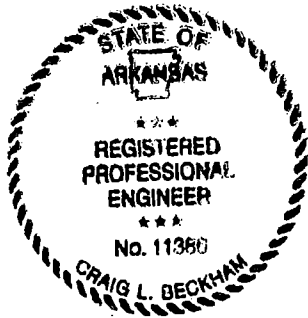


PROFESSIONAL ENGINEER CERTIFICATION

I hereby certify that: (i) I am familiar with the Sanitary Sewer Evaluation and Survey, (ii) my agent has visited and examined thoroughly the Mena sewer system, (iii) the report has been prepared in accordance with good engineering practices including the consideration of applicable standards, (iv) procedures for required inspections and testing have been established, (v) and the Plan is adequate for Mena Water Utilities.



Craig L. Beckham

Printed Name of Registered Professional Engineer

Craig L. Beckham

Signature of Registered Professional Engineer

(Professional Engineer Seal)

Date: May 14, 2012 Registration No.: 11380 State: ARKANSAS

Note: This certification is contingent on meeting the recommendations listed in Section 5.0 of this plan.

SANITARY SEWER EVALUATION & SURVEY

***MENA WATER UTILITIES
MENA, ARKANSAS***

Prepared by:



CLB Engineers, Inc.
923 Hickory Street
Texarkana, Arkansas 71854
Phone: (870) 772-6934
Fax: (870) 772-6444

Certificate of Authorization No.: 883

MAY 2012

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1.0 INTRODUCTION

This Sanitary Sewer Evaluation & Survey (SSES) was necessitated due to sewer overflows reported in early 2010, which are generally caused by excessive inflow and infiltration (I&I). Inflow normally occurs when stormwater runoff enters the sewer system through direct connections such as clean-outs, roof leaders, yard drains, catch basins, sump pumps, manhole covers and frame seals or indirect connections with storm sewers. These types of inflow are generally found on the private side of the sewer system with the private side being located on private property. Infiltration occurs when existing sewer lines experience material and joint degradation and deterioration, as well as when sewer lines are poorly designed and constructed. With the existence of these two conditions, the potential is provided to allow excessive I&I into the collection system, and therefore exceeding the system's hydraulic capacity and ultimately resulting in sewer overflows.

However, through a systematic investigation (SSES) of the sewer system, the presence and sources of I&I can be identified, quantified, and examined for alternative methods of corrective action. The elimination of I&I by subsequent sewer system rehabilitation efforts and an on-going operation and maintenance program tailored to identify problem areas is essential to protecting the City's investment of the existing wastewater collection and treatment facilities as well as continued protection of the environment.

The City of Mena, Arkansas currently operates under Permit Number AR0036692 issued January 9, 2012 with an expiration date of February 28, 2017 and a hydraulic design flow of 3.1 MGD (see Exhibit A).

Credits for preparation of this Sanitary Sewer Evaluation and Survey Engineering Services are as follows.

Mike Spencer, Wastewater Superintendent – City of Mena, Arkansas

Craig L. Beckham, P.E., Project Engineer – CLB Engineers, Inc.

Clay Hicks, Project Manager – CLB Engineers, Inc.

Daniel L. Thiels, E.I.T., Engineer-In-Training, CLB Engineers, Inc.

Adam Birchfield, Project Assistant – CLB Engineers, Inc.

Dana Johnson, Project Administrative Assistant – CLB Engineers, Inc.

2.0 EXECUTIVE SUMMARY

CLB Engineers in conjunction with Mena Water Utilities has compiled a Sanitary Sewer Evaluation and Survey (SSES) of the existing sewer collection system for the City of Mena, Arkansas. As noted in the Exhibits of this report, the entire sewer collection system consists of approximately 341,269 linear feet of sewer mains, varying in pipe size and type with 1,135 manholes constructed of both concrete and brick that tie the sewer mains together. As noted in Exhibit I, the entire sewer collection system has not been inspected. Of the 1,135 manholes in the collection system, 310 manholes have been inspected while various sewer mains are missing inspection data.

This SSES report includes the inspection results, recommended improvements, and cost summary of the sewer mains and 310 manholes that have been inspected to date. Of the sewer mains inspected, 136 leaks were reported; 112 leaks on the private side of the system with 24 leaks on the Utility's side of the system. Of the 310 manholes inspected, improvements are not recommended for 184 manholes. However, 103 manholes are recommended for improvement while 24 manholes have had improvements completed to date.

The total cost of the recommended sewer main and manhole improvements included in this SSES will require a total capital investment of \$719,070.00.

The recommended improvements are based on findings from the Manhole Evaluation and Main Line Leak Reports. Final recommendations may vary depending on further engineering analysis and inspection.

3.0 METHOD OF ANALYSIS

The SSES has been performed and is the product of a four phase process. The tasks associated with Phase 1 consisted of producing an accurate as-built sewer map encompassing the entire existing collection system. With such a map, a numbering system was assigned to the manholes where each manhole was identified for future identification. Additionally, this map was used to delineate the specific locations of the problem areas located during the field evaluation. Within Phase 2 lies the core of the field evaluation, which consisted of the smoke testing. During this Phase, all lines were smoke tested. To complete the analysis, Phases 3 and 4 constituted the inspection, analysis, and evaluation of all existing manholes and all existing lift stations respectively.

3.1 SMOKE TESTING MAIN LINES

Smoke testing is a proven method to identify locations of stormwater or groundwater entry into the existing sanitary sewer collection system. Smoke is induced into the subsurface network of sewer piping and has the ability to migrate out through openings, minute cracks, and faulty joints upwards through the adjacent soil to the surface along the same path as water may enter the system. Direct points of entry from inflow such as un-capped clean-outs, downspouts, area drains, driveway drains, stairwell drains, and patio drains can be easily confirmed with smoke testing. Indirect points of entry from infiltration can also be identified, but with greater analytical analysis of the specific site conditions regarding the surface terrain, the local drainage pattern and the pipe depth and type can also be identified.

Smoke testing is most effective if conducted during the months of July through November when a lower groundwater table is present and assuming sufficient time has elapsed between rain events. However, if it is determined that adequate field conditions exists, smoke testing may be extended beyond this time frame. Absolutely no smoke testing should be conducted unless the groundwater table is below the pipes being tested nor should the ground be frozen. Either condition will prevent the free passage of smoke into the surrounding soils, thereby resulting in an inaccurate analysis. Prior to initiating smoke testing, property owners, police and fire officials should always be notified.

Once smoke testing has been initiated and subsequently stopped because of a rain, re-initiation of the testing shall not occur until conditions are suitable. A previously tested pipe segment that exhibited indirect infiltration sources should be used as an indication that suitable conditions exists for further testing. Also, regional groundwater wells and manhole groundwater monitors may be used as guidance for area wide groundwater levels.

In most cases, smoke testing shall be conducted using a single blower technique with smoke introduced at the blower. The maximum allowable pipe segment length to be tested shall not exceed more than two manhole reaches. Field crews routinely ascertain that adequate smoke coverage has been obtained by observing smoke concentrations and observing smoke travel using house plumbing vents along the segment. Smoke will continue to be introduced into the

pipe segment until adequate smoke coverage has been obtained. In the event that smoke does not travel the entire reach, the setup will be reversed by placing the blower on the opposite manhole of the pipe segment and re-introducing smoke. Since this situation may be caused by a line-sag, grease or debris buildup, collapsed pipe, or other obstructions, it should be documented as a potential maintenance problem area. Both upstream and downstream manholes shall be restricted during the smoke testing to concentrate the smoke within the targeted pipe segment. Restrictions may be accomplished with sandbags, cones or air plugs.

In situations where heavier smoke concentrations are required, the dual blower technique may be used with a blower placed on each end of the pipe segment with smoke induced at each blower. The maximum pipe segment length tested in this situation will typically be one manhole reach, or 300 linear feet assuming the manhole separation is abnormally short.

All areas of with escaping smoke from a direct or indirect source shall be recorded on a pre-printed inspection form with all appropriate information included.

For this SSES, the smoke testing was performed during the summer months of 2010 and utilized the standard single blower technique.

3.2 MANHOLE INSPECTIONS

Manhole inspection is a task to determine the actual physical conditions of the existing manholes. The data generated from the inspection will be valuable for the identification of potential I&I sources. In addition, it is useful to verify sewer line configurations and verification of the sewer map accuracy.

Unlike the line smoke testing, the manhole inspections are usually performed during periods of a high groundwater table. This is because groundwater associated with I&I sources can be easily detected entering into the manholes. Each manhole should be entered and if possible, the inspection should take place during non-peak hours when wastewater flows are low and not under surcharge conditions. Manhole inspections should include information contained on a pre-printed inspection form such as the following.

1. Identify the manhole, either by its numbering system or by street and house number;
 - (a) Manhole cover type, number of holes in cover, whether cover is subject to ponding. Estimate the area and depth of ponding so that an approximate rate of inflow can be ascribed to this defect if applicable. The following should also be noted: holes in the manhole cover and size of holes, condition of the surrounding ground or street condition, and cracks in the pavement that could be pathways of inflow.
 - (b) Condition and number of manhole grade adjustments and manhole frame.
2. Cracks or breaks in the walls, shelf or invert.
3. Infiltration at any place, should be estimated in gallons per minute; (Table 7 of the

appendix shows the approximate flow rates that can be assigned to the various defects noted. A sample manhole inspection form is also included in the appendix for reference.) If an infiltration source was observed to be leaking at a greater rate during flow isolation than during the time of manhole inspection, then the higher observed rate should be reported on the manhole inspection form.

4. Joints between barrel sections should be tight;
5. Construction materials and conditions;
6. Manhole depth;
7. High water mark;
8. Groundwater level at the manhole, if discernible; and Condition of corbel.

3.3 LIFT STATION INSPECTIONS

Lift Station inspections are performed for various reasons depending on the motive for performing the SSES. In cases where the hydraulic or loading capacity of the treatment facility is a concern or in the event that a trend of reported overflows are presumably associated with inadequate hydraulic capacities of a lift station, then the lift station's hydraulic capacities should be evaluated. Otherwise, only the physical condition and subsequent operations of the Lift Station is necessary.

Lift Station inspections should include information contained on a pre-printed inspection form such as the following.

1. Identify the Lift Station, either by its numbering system or by physical address.
2. Lift Station type.
3. Type and number of pumps
4. Pump condition.
5. Piping and valve condition.
6. Wetwell size, configuration and condition.
7. Control Panel condition.
8. Hydraulic calibration information.

4.0 SUMMARY OF ANALYSIS

During the summer of 2010, the City of Mena joined with the project staff of CLB Engineers to conduct a Sanitary Sewer Evaluation and Survey (SSES). The entire sewer collection system consists of approximately 341,269 linear feet of sewer mains, varying in pipe size and type with 1,135 manholes constructed of both concrete and brick that tie the sewer mains together. The existing City-wide as-built sewer map was used to map out the progress of the inspection as well as to show the areas to be completed. As sewer mains on the map were found to be incorrect, the map was marked correctly so that an accurate system map could be produced. This map will allow the maintenance crews to better maintain the system and is included in Exhibit H.

This report consists of a complete summary of private and main leaks within the collection system that have been inspected using smoke test operations with the estimated repair costs. In addition, this report consists of a complete summary of manholes within the collection system that have been inspected using the manhole evaluation reports with recommendations for improvements and the estimated repair costs. This information is provided in table format in Section 5.0 (Recommendations) of this report.

With a scheduled and systematic approach to rehabilitation measures, the deficiencies identified in this SSES can be rectified and maintained for continued successful service many years into the future. See Section 4.5 for Collection Systems Operations and Maintenance.

4.1 PRIVATE SIDE

A private side leak is an I&I source located within private property. Therefore, it is the responsibility of the private property owner to make such repairs. Upon completion of the smoke testing phase, there were 112 sources of I&I located on the private side of the collection system. Most of these sources consisted of a missing or broken clean-out plug and apparent breaks along the private service line.

Because Arkansas State law prohibits City employees or City equipment to be used for private repairs, the owner of the private property shall be responsible for making repairs by a licensed plumber as appropriate. Rehabilitation methods should consist of simply replacing a clean-out cap if damaged or repair of the private service line.

See Exhibit B for a detailed listing of private side leaks with locations and the recommended rehabilitation method.

4.2 MAIN LINES

Even though the vast majority of the leaks found were on the private side of the collection system, the remaining 28 leaks found were deemed to contain significant need of repair due to their potential for excessive I&I. Each time a main line leak was found, a report is generated, categorizing the degree of leak into one of three categories: Heavy, Moderate, or Light. These categories are based on the potential inflow and infiltration into the collection system. This determination is based on several observations made in the field such as the amount of smoke surfacing, location of the line, size of the ponding area, and the potential head. Below is a brief summary of the problem areas resulting from smoke testing and their potential for I&I. A more detailed summary of main line leaks with their estimated repair costs can be seen in tabular format in Section 5.0 (Recommendations) of this report.

Table 4.2.1: Summary of Main Line Leaks

No. of Leaks	Source of Leak	I&I Potential
4	In or around storm drains	Heavy
7	Within flow line of creek	Heavy
4	Around manholes	Moderate
13	Break along main line (ponding)	Heavy

In some problems due to the severity of the leak, Mena Water Utilities made the repairs immediately. Many of the main line leaks recorded can be repaired by the point repair method. This is accomplished by excavating around the main line at the source of the I&I and making the appropriate repair. This repair method will be made on case by case basis looking at the type of each pipe to be repair and the length of the pipe segment. Final decisions will be based on the most economical and effective means to repair the leak. It should be noted that the cost summary for main line leaks in Section 5.0 (Recommendations) includes 24 main line leaks and was based on a worst-case scenario assuming that the entire line from manhole to manhole of the main line leak would have to be replaced.

4.3 MANHOLES

The manhole evaluation survey is a very important part of this SSES. As manholes are the only part of the sub-surface collection system that extends to the surface, drainage adjacent the manhole can be a major contributor of inflow to the overall I&I.

The City of Mena has approximately 1,135 manholes making up its collection system, and a total of 310 manholes were inspected. Each manhole was rated in 3 categories: Good, Fair, or Poor. From the 310 manholes inspected, 184 manholes were inspected and no improvements are recommended. A summary of these manholes and their respective evaluation reports can be viewed in Exhibit E. In addition, from the 310 manholes inspected, improvements were recommended for 103 manholes. A summary of these manholes, the recommended repair method, and the estimated repair cost can be viewed in Section 5.0 (Recommendations) of this report. Individual manhole evaluation reports for improvements recommended can be viewed in Exhibit F.

In some cases, due to the severity of the manhole condition, Mena Water Utilities made the repairs immediately. 24 manholes have had improvements completed. A summary of these manholes, the repair method completed, and the corresponding evaluation reports can be viewed in Exhibit G. In addition, the summary form in Exhibit G has multiple blanks to allow for this document to be a live document, meaning that as recommended repairs are completed, manhole evaluation forms will be moved from Exhibit F to Exhibit G.

Below is a brief summary of the condition ratings found for the 310 manholes inspected throughout the City. With a little over 27% of the condition ratings completed on manholes throughout the collection system, we can gain a good idea of what the overall rating will be.

Table 4.3.1: Summary of Manhole Evaluation Reports

<u>No. of MH's</u>	<u>Condition Rating</u>
148	Good
94	Fair
69	Poor

See Exhibits E-G for a detailed listing of manhole evaluation forms and Section 5.0 of this report for a detailed listing of Improvements Recommended.

4.4 LIFT STATIONS

The topography of the City of Mena is such that it is broken into 3 main drainage basins. Each basin utilizes a duplex lift station to convey the waste water to a gravity system which then carries the wastewater to the treatment facility. Within each basin are small areas or sub-basins that require a small lift station for a single business or a few homes that cannot gravity to the main lift stations.

This portion of the SSES will be conducted in Phase 2 and a full report will be given.

Table 4.4.1: Summary of Lift Station Hydraulic Capacity

<u>Pump ID</u>	<u>Measured Pump Flow</u>
Lift Station No. 1	0 gpm (Phase 2 Report)
Lift Station No. 2	0 gpm (Phase 2 Report)
Lift Station No. 3	0 gpm (Phase 2 Report)

See Exhibit D for Lift Station Inspection Reports.

4.5 COLLECTION SYSTEMS OPERATIONS & MAINTENANCE

Elimination of I&I by sewer system rehabilitation and an on-going operation and maintenance program to identify these areas is essential to protect the enormous investment in sewers and wastewater treatment facilities made by the City as well as for the overall protection of the environment.

Over time, a collection system corrodes, erodes, collapses, clogs and ultimately deteriorates. Its capacity can be reduced by accumulations or obstructions that are discharged to the system, such as grease, garbage, rags, paper towels and by materials described as disposable by the manufacturer. This also includes any material that may enter at the joints or through breaks in the sewer line itself, such as roots or soil materials. Sanitary sewer capacity is finite and common sense dictates that it needs to be preserved.

In the past, many municipalities have not provided the quality program for collection system maintenance necessary to protect both the public's health and the sizeable investment in their facilities. All too often sewer collection system maintenance is frequently treated as necessary evil, to be given attention only as emergencies arise. Adequate budgets should be provided for supervision, labor and equipment.

The execution of a basic plan of routine preventive maintenance designed to preclude interruption of service and to protect capital investment is extremely important. Continuous and routine inspection for physical damage to the system to be supplemented by immediate and adequate repair of such damages and elimination of the cause cannot be overemphasized.

In order to assure the continued care of the collection system after completion of the SSES, an approved operations and maintenance (O&M) program should be drafted and executed.

5.0 RECOMMENDATIONS

This section of this SSES has the recommended improvements for the sewer mains and manholes that have been inspected thus far. Refer to Exhibit H (Manhole/Main Line Inspection Completion Map) for the main line inspection completion status, manhole inspection completion status, and note that 310 manholes out of 1,135 manholes in the system have been inspected. The following tables are provided in this section of this SSES for a summary of recommended repairs and estimated repair costs.

- **Main Line Leak Reports: Cost Summary**
- **Manhole Evaluation Reports: Cost Summary**

EXHIBIT A
Wastewater Discharge Permit

EXHIBIT B
Private Line Leak Reports

PRIVATE LINE LEAK

Subject: Mena Utilities SSES

Location: 2604 W Church

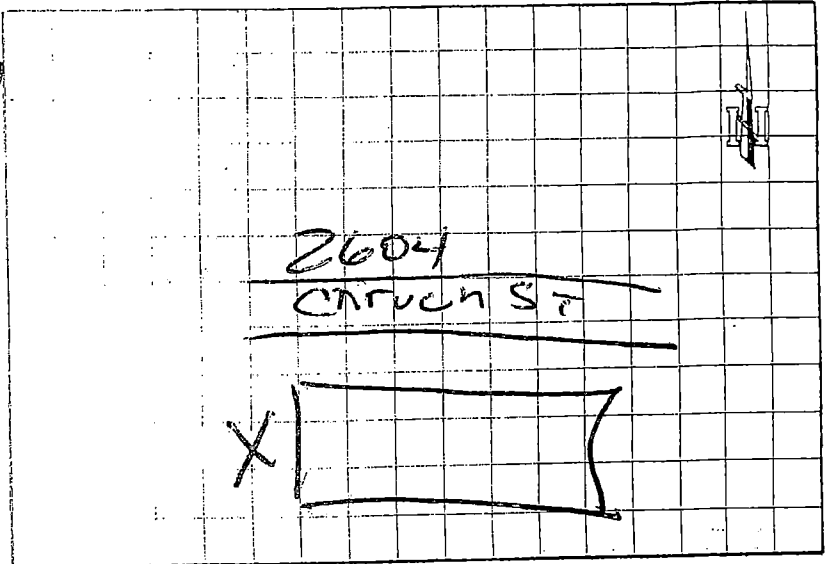
Area: 5

Line No. _____

Leak No. _____

Date: 10/10 Time: _____

Inspector: Mike



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: Clean out missing cap

MEASURED INFLOW (GPD) _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

- Ponding Area
- Size Of Hole _____
- Potential Head _____

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asp. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

20

Subject: Meng Utilities SSES

Location: (20)

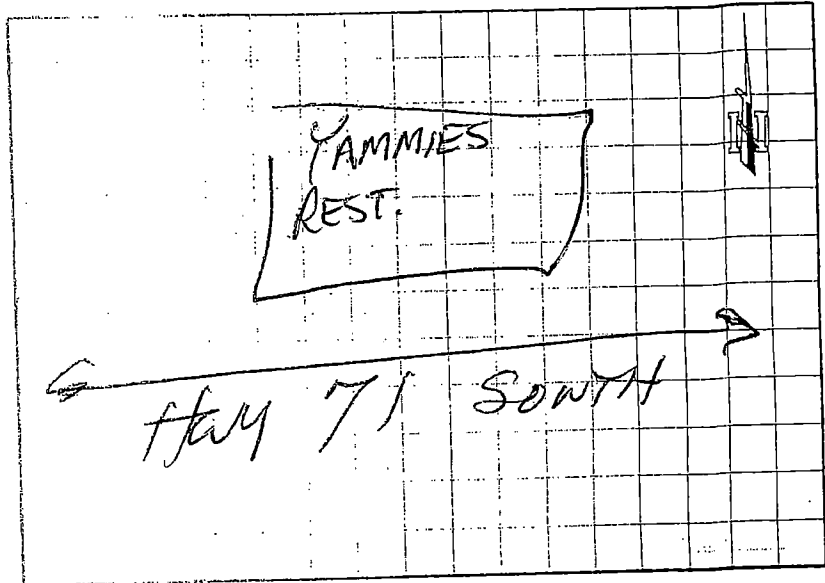
Area: _____

Line No. _____

Leak No. _____

Date: 8/20 Time: _____

Inspector: *[Signature]*



RECOMMEND

Quantification Testing _____

DESCRIPTION OF LEAK:

MEASURED INFLOW (GPD): _____

DEGREE OF LEAK

LEAK CHARACTERISTICS

DRAINAGE AREA

COVER OVER LEAK

- Heavy
- Moderate
- Light

- Ponding Area
- Size Of Hole
- Potential Head

- Pavement
- Ground
- Roof

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

REHABILITATION METHOD

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

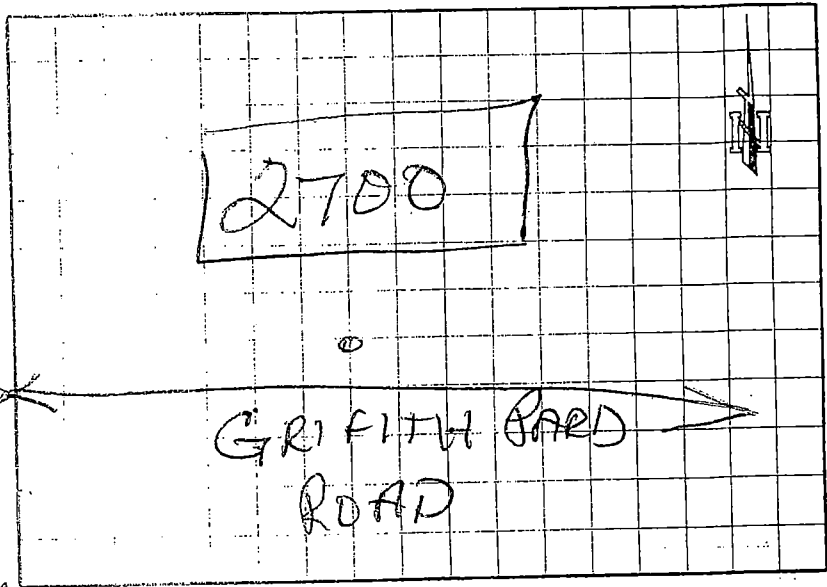
ADDITIONAL COMMENTS

LARGE PONDING AREA / MAJOR DRAINAGE.

PRIVATE LINE LEAK

20

Subject: Mena Utilities SSES
 Location: 2700 GRIFFITH PARD



Area: 20

Line No. _____

Leak No. _____

Date: 8/10 Time: _____

Inspector: (Signature)

RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: BROKE CAP.

MEASURED INFLOW (GPD) _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area 3'
 Size Of Hole 3/4" 9"
 Potential Head 2"

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

Subject: Mena Utilities SSES

Location: 300 N Polk

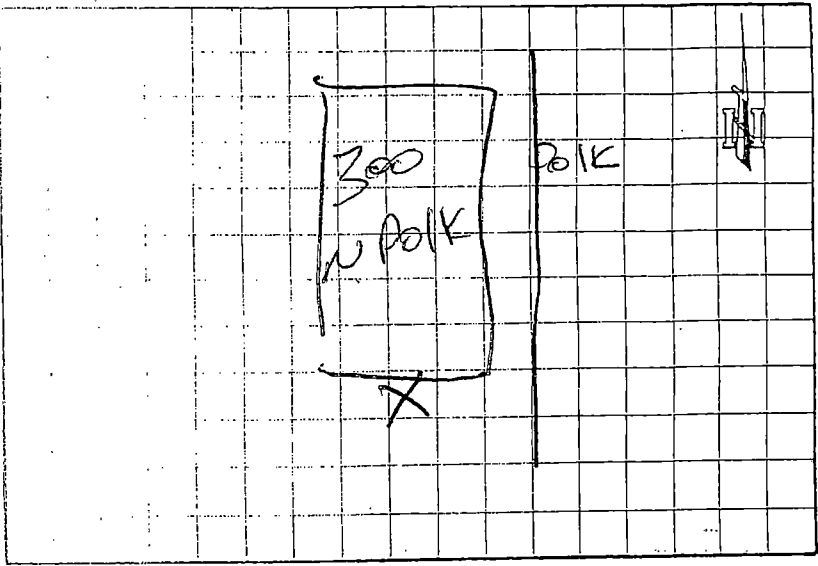
Area: 5

Line No. _____

Leak No. _____

Date: 5 Aug 10 Time: _____

Inspector: Mike



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

- Ponding Area
- Size Of Hole
- Potential Head

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
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- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
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- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

Subject: Mena Utilities SSES

Location: 300 Cedar

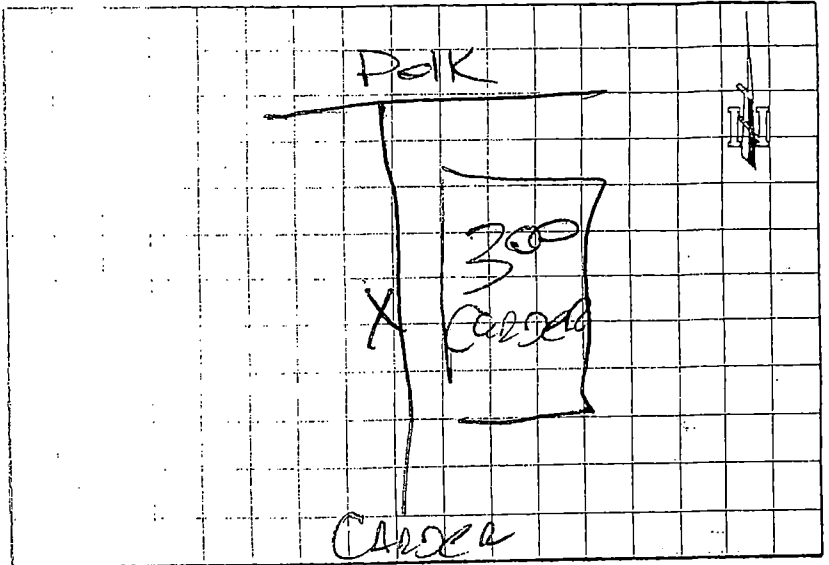
Area: 5

Line No. _____

Leak No. _____

Date: 5/15/10 Time: _____

Inspector: Mike



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

- Ponding Area _____
- Size Of Hole 4
- Potential Head _____

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

Mena Utilities SSES

on Jims Junk
RD 71 SOUTH

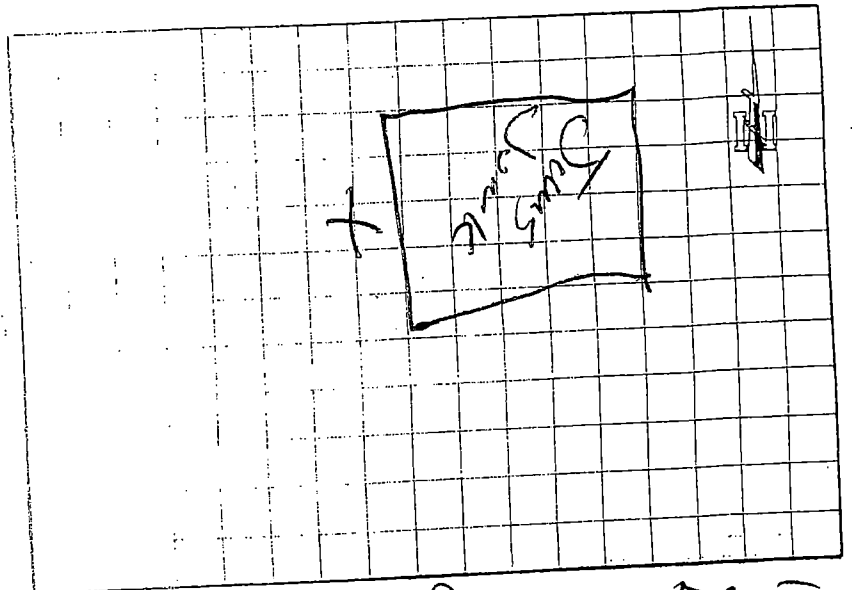
Area: 20

Line No. _____

Leak No. _____

Date: _____ Time: _____

Inspector: _____



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: X WOODEN TRASH & DEBRIS EAST

SOP
MEASURED INFLOW (GPD) _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area
Size Of Hole ?
Potential Head

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

Subject: Mena Utilities SSES

Location: 2707
GRIFITH ST

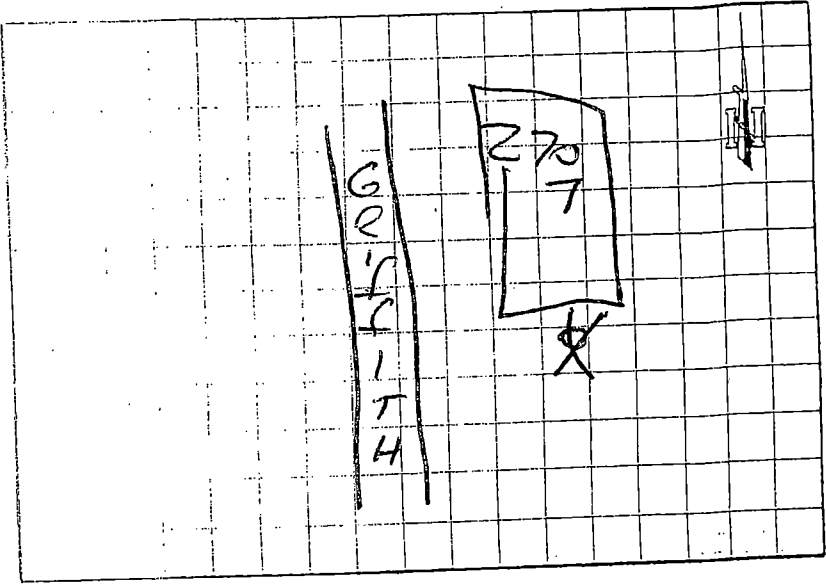
Area: 20

Line No. _____

Leak No. _____

Date: 5 Aug 10 Time: _____

Inspector: Mike



RECOMMEND
Quantification Testing

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

- Ponding Area _____
- Size Of Hole 4"
- Potential Head _____

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

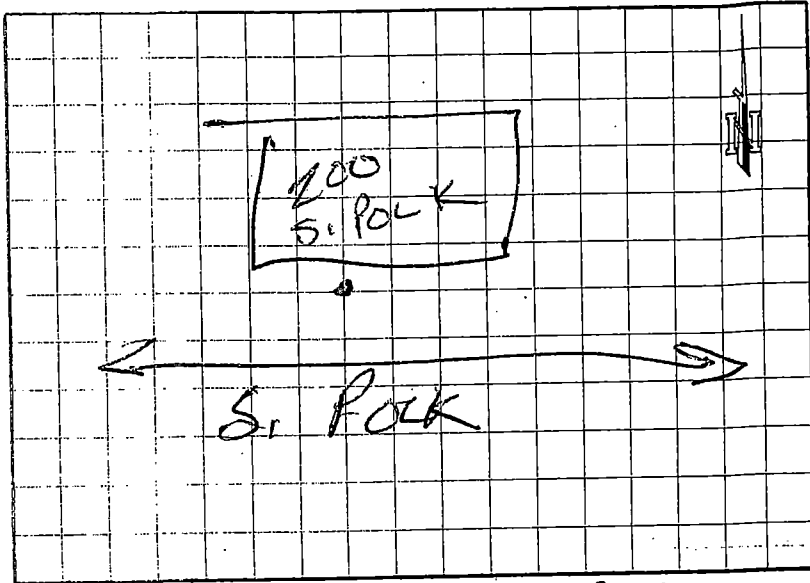
REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

Subject: Mena Utilities SSES
 Location: 200 S. POLK
 Area: 5
 Line No. _____
 Leak No. _____
 Date: 8/10 Time: _____
 Inspector: (BB)



RECOMMEND
 Quantification Testing

DESCRIPTION OF LEAK: MISSING CLEAN OUT CAP CATCHING ALL RAIN OFF EYE OF HOUSE

MEASURED INFLOW (GPD) _____

DEGREE OF LEAK <input checked="" type="checkbox"/> Heavy <input type="checkbox"/> Moderate <input type="checkbox"/> Light	LEAK CHARACTERISTICS Ponding Area <u>4</u> Size Of Hole <u>4</u> Potential Head <u>3'</u>	DRAINAGE AREA <input type="checkbox"/> Pavement <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Roof	COVER OVER LEAK <input type="checkbox"/> Conc. Pavement <input type="checkbox"/> Asph. Pavement <input type="checkbox"/> Gravel <input type="checkbox"/> Sidewalk <input checked="" type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____
TYPE OF PROPERTY			
<input checked="" type="checkbox"/> Residence <input type="checkbox"/> Business	<input type="checkbox"/> Apartment <input type="checkbox"/> Trailer Park	<input type="checkbox"/> Vacant Lot <input type="checkbox"/> Other _____	

SOURCE OF LEAK <input checked="" type="checkbox"/> CL Clean-out Plug Leaking <input type="checkbox"/> CM Clean-out Plug Missing/Broken <input type="checkbox"/> CA Clean-out Plug Assembly L/B <input type="checkbox"/> GL Grease Trap Lid Leaking <input type="checkbox"/> GB Grease Trap Lid Broken <input type="checkbox"/> RD Roof/Service drain Connection <input type="checkbox"/> DL Discontinued Private Line <input type="checkbox"/> BL Break (s) Along Line <input type="checkbox"/> SC Ditch/Storm Sewer Crossing <input type="checkbox"/> BM Break At Mainline Tap <input type="checkbox"/> OS Other _____	REHABILITATION METHOD <input type="checkbox"/> SC Seal Clean-out Plug <input type="checkbox"/> RP Replace Clean-out Plug <input type="checkbox"/> RA Replace Clean-out Plug Assembly <input type="checkbox"/> ST Seal Grease Trap Lid <input type="checkbox"/> RT Grease Trap Lid <input type="checkbox"/> DD Disconnect Drain & Cap Off <input type="checkbox"/> CL Cap Off Line <input type="checkbox"/> PR Make _____ Point Repairs <input type="checkbox"/> RF Replace _____ ft. Of Line <input type="checkbox"/> RC Replace Collar <input type="checkbox"/> RL Replace Grease Trap Lid <input type="checkbox"/> Other _____
---	---

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

29

Subject: Mena Utilities SSES

Location: 2632 ~~Quachita Circle~~
Quachita Circle

Area: 20

Line No. _____

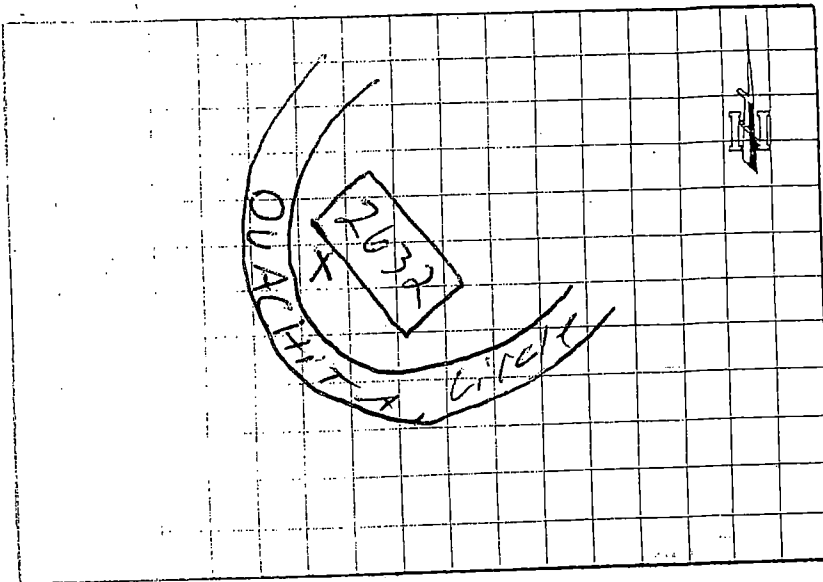
Leak No. _____

Date: 7/30/10 Time: _____

Inspector: Boyer

RECOMMEND

Quantification Testing



DESCRIPTION OF LEAK: Cap broke

MEASURED INFLOW (GPD) _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

- Ponding Area
- Size Of Hole 1 1/2"
- Potential Head 0

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

21

Subject: Mena Utilities SSES

Location: 1006 Kimberly

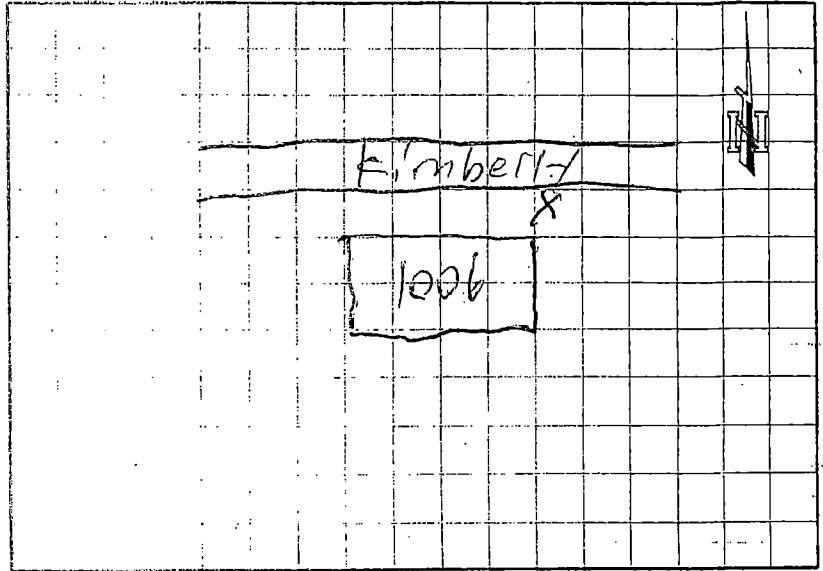
Area: 21

Line No. _____

Leak No. _____

Date: 7/29/10 Time: _____

Inspector: Boddy



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

- Ponding Area B
- Size Of Hole 4 1/2"
- Potential Head 4'

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

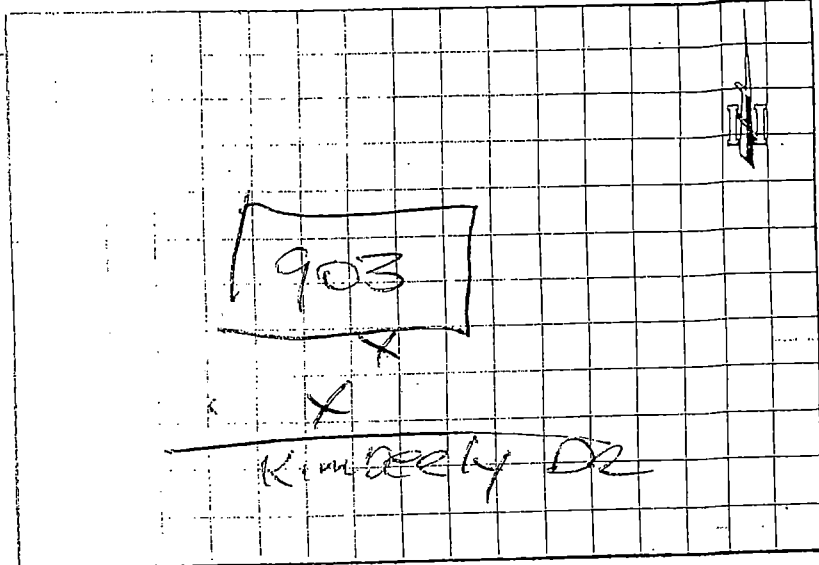
REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

Subject: Mena Utilities SSES
 Location: 903 Kimberly
 Area: 21
 Line No. _____
 Leak No. _____
 Date: 7/29/04 Time: 10
 Inspector: Mike



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK:

2 Leaks in Service to main

MEASURED INFLOW (GPD) _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area _____
 Size Of Hole 4"
 Potential Head _____

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asp. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS

PRIVATE LINE LEAK

Subject: Mena Utilities SSES

Location: 805 Kimberly

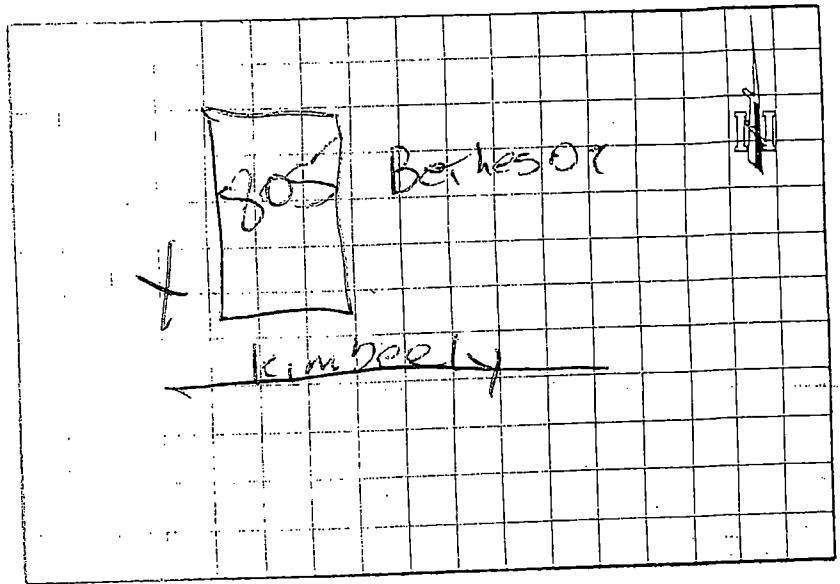
Area: 21

Line No. _____

Leak No. _____

Date: 29 Jan Time: _____

Inspector: MMR



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area _____
 Size Of Hole 4"
 Potential Head _____

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

16

Subject: Mena Utilities SSES

Location: 16 914 LAKESIDE

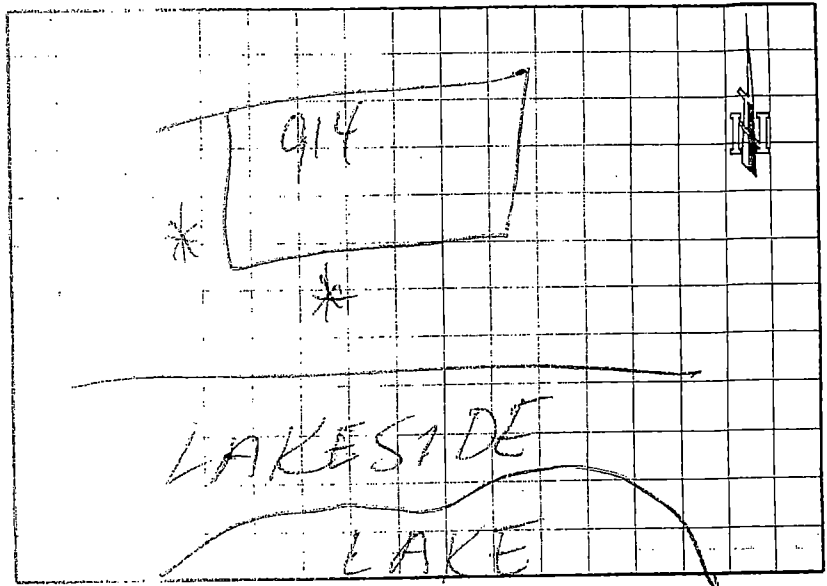
Area: 0

Line No. _____

Leak No. _____

Date: _____ Time: _____

Inspector: [Signature]



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: CM MISS

MEASURED INFLOW (GPD) _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

- Ponding Area 2
- Size Of Hole 4"
- Potential Head 2"

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

h

PRIVATE LINE LEAK

16

Subject: Mena Utilities SSES

Location: 400 Bethesos

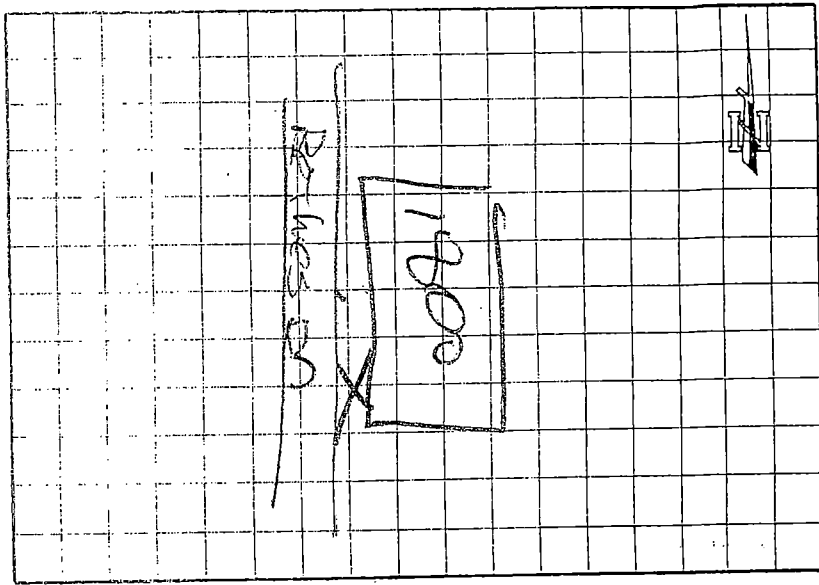
Area: 16

Line No. _____

Leak No. _____

Date: 2/2/20 Time: _____

Inspector: M.K.O



RECOMMEND

Quantification Testing

*Melissa
506 444 5517*

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

<u>DEGREE OF LEAK</u>	<u>LEAK CHARACTERISTICS</u>	<u>DRAINAGE AREA</u>	<u>COVER OVER LEAK</u>
<input checked="" type="checkbox"/> Heavy	Ponding Area _____	<input type="checkbox"/> Pavement	<input type="checkbox"/> Conc. Pavement
<input type="checkbox"/> Moderate	Size Of Hole <u>4</u>	<input type="checkbox"/> Ground	<input type="checkbox"/> Asph. Pavement
<input type="checkbox"/> Light	Potential Head _____	<input type="checkbox"/> Roof	<input type="checkbox"/> Gravel
			<input type="checkbox"/> Sidewalk
			<input checked="" type="checkbox"/> Yard/Field
			<input type="checkbox"/> Woods
			Other _____

TYPE OF PROPERTY

<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Apartment	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Business	<input type="checkbox"/> Trailer Park	<input type="checkbox"/> Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

15

Subject: Mend Utilities SSES

Location: _____

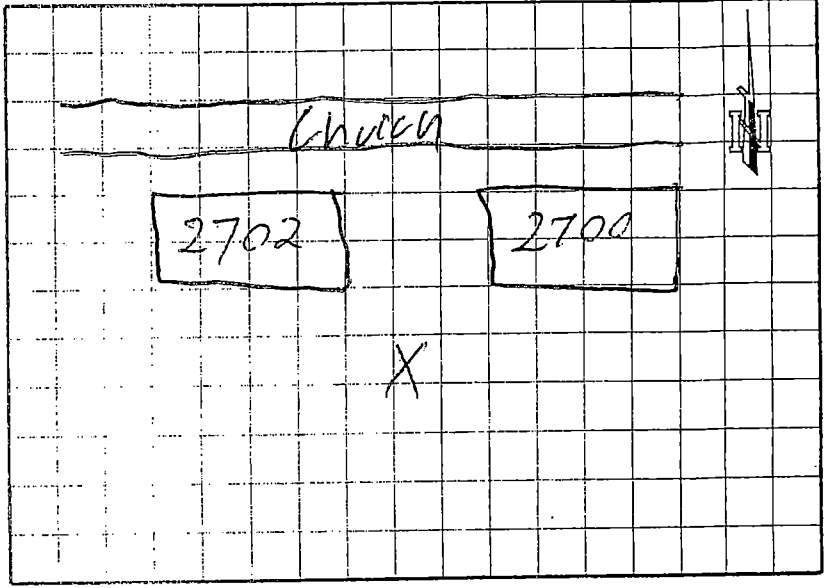
Area: _____

Line No. _____

Leak No. _____

Date: 7/22/10 Time: _____

Inspector: Boddy



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

<u>DEGREE OF LEAK</u>	<u>LEAK CHARACTERISTICS</u>	<u>DRAINAGE AREA</u>	<u>COVER OVER LEAK</u>
<input type="checkbox"/> Heavy <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Light	Ponding Area <input checked="" type="checkbox"/> Size Of Hole <input checked="" type="checkbox"/> Potential Head <input checked="" type="checkbox"/>	<input type="checkbox"/> Pavement <input type="checkbox"/> Ground <input type="checkbox"/> Roof	<input type="checkbox"/> Conc.Pavement <input type="checkbox"/> Asph.Pavement <input type="checkbox"/> Gravel <input type="checkbox"/> Sidewalk <input type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____
<u>TYPE OF PROPERTY</u>			
<input checked="" type="checkbox"/> Residence <input type="checkbox"/> Business	<input type="checkbox"/> Apartment <input type="checkbox"/> Trailer Park	<input type="checkbox"/> Vacant Lot <input type="checkbox"/> Other _____	

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

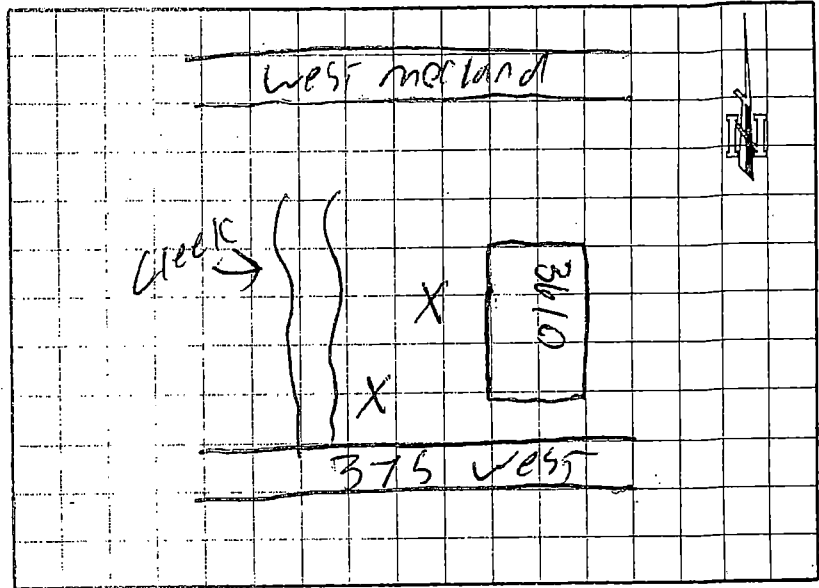
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

15

Subject: Mena Utilities SSES
 Location: 3610 ~~West~~ 375 West
 Area: 15
 Line No. _____
 Leak No. _____
 Date: 7/23/10 Time: _____
 Inspector: Bobby



RECOMMEND
 Quantification Testing

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

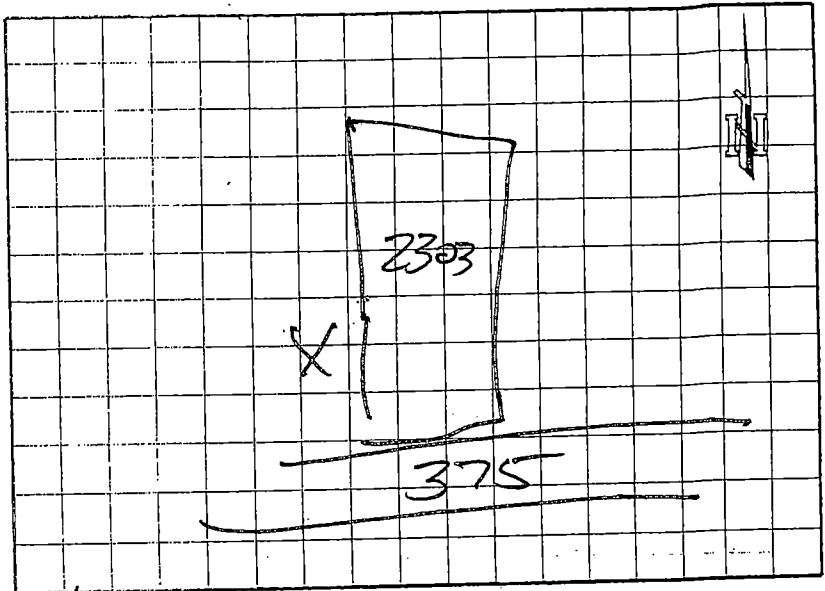
<p><u>DEGREE OF LEAK</u></p> <input type="checkbox"/> Heavy <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Light	<p><u>LEAK CHARACTERISTICS</u></p> Ponding Area <u>15 Sq Ft</u> Size Of Hole <u>?</u> Potential Head <u>1"</u>	<p><u>DRAINAGE AREA</u></p> <input type="checkbox"/> Pavement <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Roof	<p><u>COVER OVER LEAK</u></p> <input type="checkbox"/> Conc. Pavement <input type="checkbox"/> Asph. Pavement <input type="checkbox"/> Gravel <input type="checkbox"/> Sidewalk <input checked="" type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____
<p><u>TYPE OF PROPERTY</u></p> <input checked="" type="checkbox"/> Residence <input type="checkbox"/> Apartment <input type="checkbox"/> Vacant Lot <input type="checkbox"/> Business <input type="checkbox"/> Trailer Park <input type="checkbox"/> Other _____			

<p><u>SOURCE OF LEAK</u></p> <input type="checkbox"/> CL Clean-out Plug Leaking <input type="checkbox"/> CM Clean-out Plug Missing/Broken <input type="checkbox"/> CA Clean-out Plug Assembly L/B <input type="checkbox"/> GL Grease Trap Lid Leaking <input type="checkbox"/> GB Grease Trap Lid Broken <input type="checkbox"/> RD Roof/Service drain Connection <input type="checkbox"/> DL Discontinued Private Line <input checked="" type="checkbox"/> BL Break (s) Along Line <input type="checkbox"/> SC Ditch/Storm Sewer Crossing <input type="checkbox"/> BM Break At Mainline Tap <input type="checkbox"/> OS Other _____	<p><u>REHABILITATION METHOD</u></p> <input type="checkbox"/> SC Seal Clean-out Plug <input type="checkbox"/> RP Replace Clean-out Plug <input type="checkbox"/> RA Replace Clean-out Plug Assembly <input type="checkbox"/> ST Seal Grease Trap Lid <input type="checkbox"/> RT Grease Trap Lid <input type="checkbox"/> DD Disconnect Drain & Cap Off <input type="checkbox"/> CL Cap Off Line <input type="checkbox"/> PR Make _____ Point Repairs <input type="checkbox"/> RF Replace _____ ft. Of Line <input type="checkbox"/> RC Replace Collar <input type="checkbox"/> RL Replace Grease Trap Lid Other _____
---	--

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

Subject: Mena Utilities SSES
 Location: 2303
Old Hwy 375
 Area: 15
 Line No. _____
 Leak No. _____
 Date: 23 June 2 Time: 0900
 Inspector: TKP



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: Rear of House Cleanup

MEASURED INFLOW (GPD) _____

SEVERE OF LEAK

LEAK CHARACTERISTICS

DRAINAGE AREA

COVER OVER LEAK

- Heavy
- Moderate
- Light

Ponding Area
 Size Of Hole 4
 Potential Head _____

- Pavement
- Ground
- Roof

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

17

Subject: Mena Utilities, SSES

Location: _____

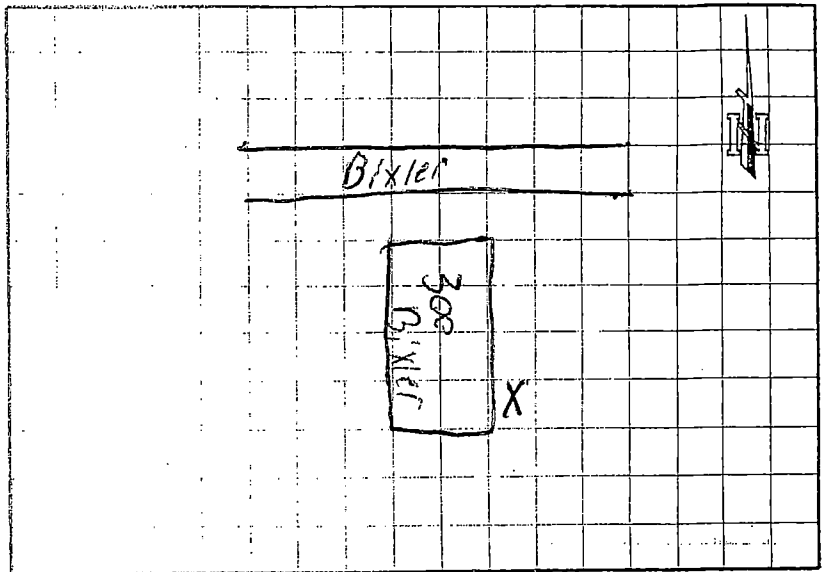
Area: 17

Line No. _____

Leak No. _____

Date: 7/22/10 Time: _____

Inspector: Rodney



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: Cap gone

MEASURED INFLOW (GPD) _____

DEGREE OF LEAK	LEAK CHARACTERISTICS	DRAINAGE AREA	COVER OVER LEAK
<input type="checkbox"/> Heavy	Ponding Area <u>5 sq. ft</u>	<input type="checkbox"/> Pavement	<input type="checkbox"/> Conc. Pavement
<input type="checkbox"/> Moderate	Size Of Hole <u>4"</u>	<input checked="" type="checkbox"/> Ground	<input type="checkbox"/> Asph. Pavement
<input checked="" type="checkbox"/> Light	Potential Head <u>1"</u>	<input type="checkbox"/> Roof	<input type="checkbox"/> Gravel
<p>TYPE OF PROPERTY</p> <input checked="" type="checkbox"/> Residence <input type="checkbox"/> Apartment <input type="checkbox"/> Vacant Lot <input type="checkbox"/> Business <input type="checkbox"/> Trailer Park <input type="checkbox"/> Other			<input type="checkbox"/> Sidewalk <input checked="" type="checkbox"/> Yard/Field <input type="checkbox"/> Woods

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

17

Subject: Mena Utilities SSES

Location _____

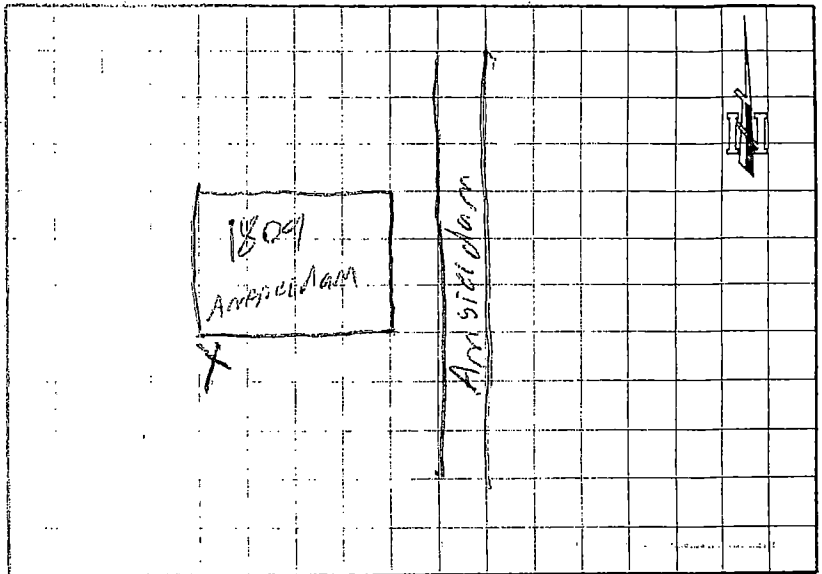
Area: _____

Line No. _____

Leak No. _____

Date: 7/22/10 Time: _____

Inspector: Boyer



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

- Ponding Area 0
- Size Of Hole 4"
- Potential Head 0

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

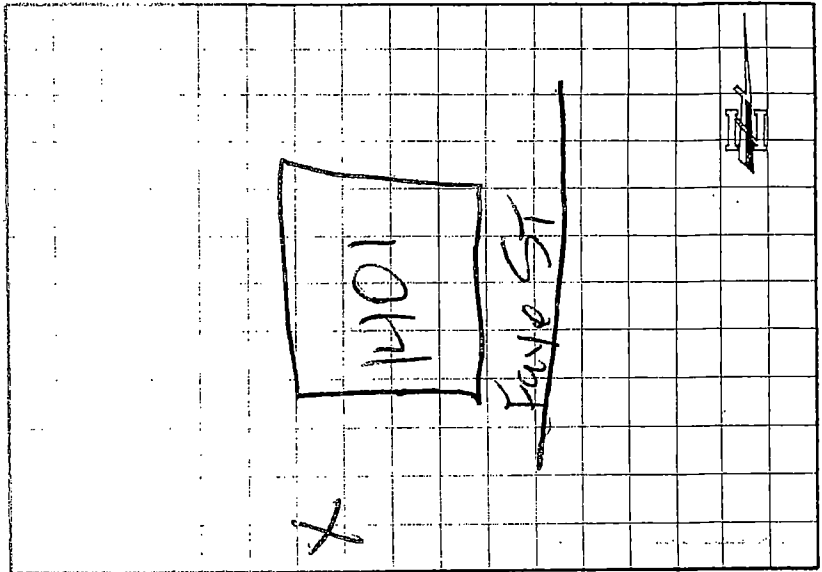
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

18

Subject: Mena Utilities SSES
 Location: 1401 Faye
 Area: 18
 Line No. _____
 Leak No. _____
 Date: 2/24/10 Time: 13:10
 Inspector: Mike



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

- Ponding Area
- Size Of Hole 1/2"
- Potential Head

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

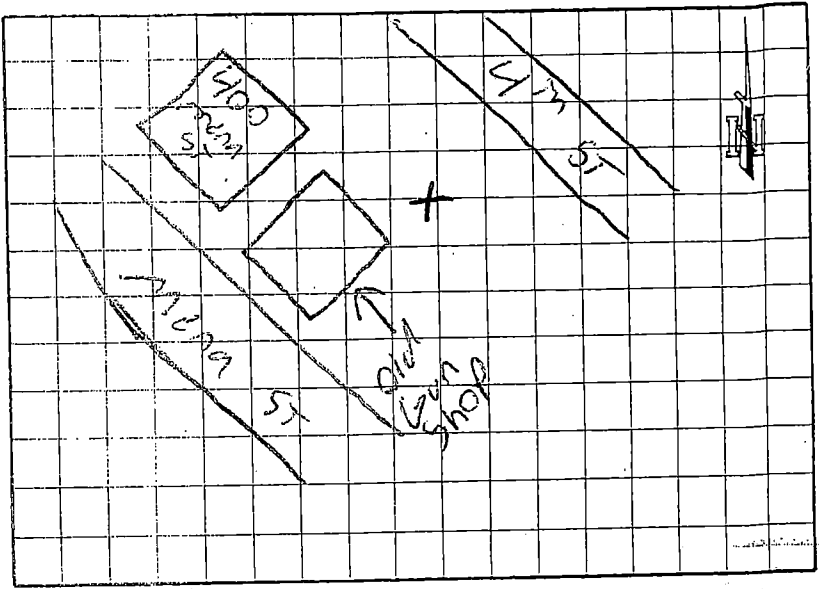
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off.
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

6

Subject: Mena Utilities SSES
 Location: Beh. by Old gunshop
next to Funel home
 Area: 6
 Line No. _____
 Leak No. _____
 Date: 7/21/10 Time: _____
 Inspector: Boyer



RECOMMEND
 Quantification Testing

DESCRIPTION OF LEAK: Cap m. '55' long

MEASURED INFLOW (GPD) _____

SEVERITY OF LEAK
 Heavy
 Moderate
 Light

LEAK CHARACTERISTICS
 Ponding Area 40 sq ft
 Size Of Hole 4"
 Potential Head 6"

DRAINAGE AREA
 Pavement
 Ground
 Roof

COVER OVER LEAK
 Conc. Pavement
 Asph. Pavement
 Gravel
 Sidewalk
 Yard/Field
 Woods
 Other _____

TYPE OF PROPERTY

Residence
 Business
 Apartment
 Trailer Park
 Vacant Lot
 Other _____

SOURCE OF LEAK

CL Clean-out Plug Leaking
 CM Clean-out Plug Missing/Broken
 CA Clean-out Plug Assembly L/B
 GL Grease Trap Lid Leaking
 GB Grease Trap Lid Broken
 RD Roof/Service drain Connection
 DL Discontinued Private Line
 BL Break (s) Along Line
 SC Ditch/Storm Sewer Crossing
 BM Break At Mainline Tap
 OS Other _____

REHABILITATION METHOD

SC Seal Clean-out Plug
 RP Replace Clean-out Plug
 RA Replace Clean-out Plug Assembly
 ST Seal Grease Trap Lid
 RT Grease Trap Lid
 DD Disconnect Drain & Cap Off
 CL Cap Off Line
 PR Make _____ Point Repairs
 RF Replace _____ ft. Of Line
 RC Replace Collar
 RL Replace Grease Trap Lid
 Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

6

Subject: Mena Utilities SSES

Location: South west corner of vacant lot

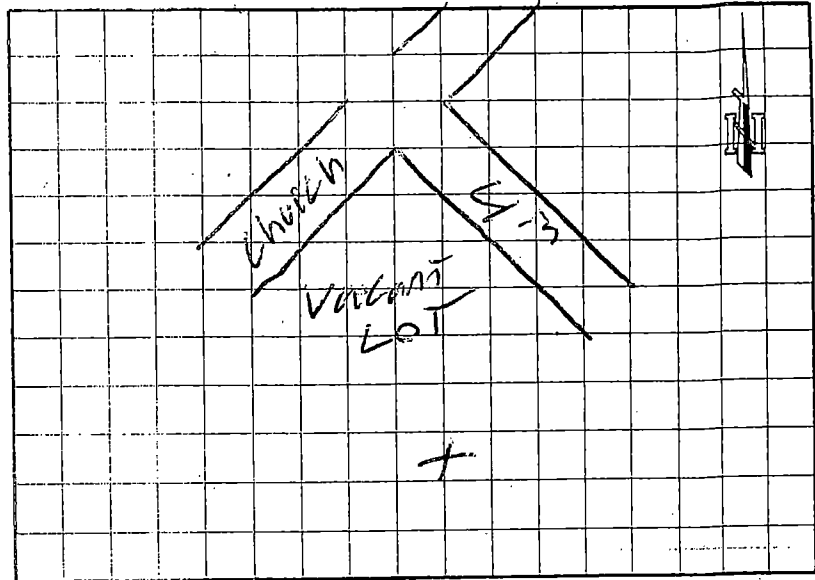
Area: 6

Line No. _____

Leak No. _____

Date: 7/21/10 Time: _____

Inspector: Booley



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: covered with old house debris

MEASURED INFLOW (GPD) _____

SEVERE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

- Ponding Area 2
- Size Of Hole 2
- Potential Head 2

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

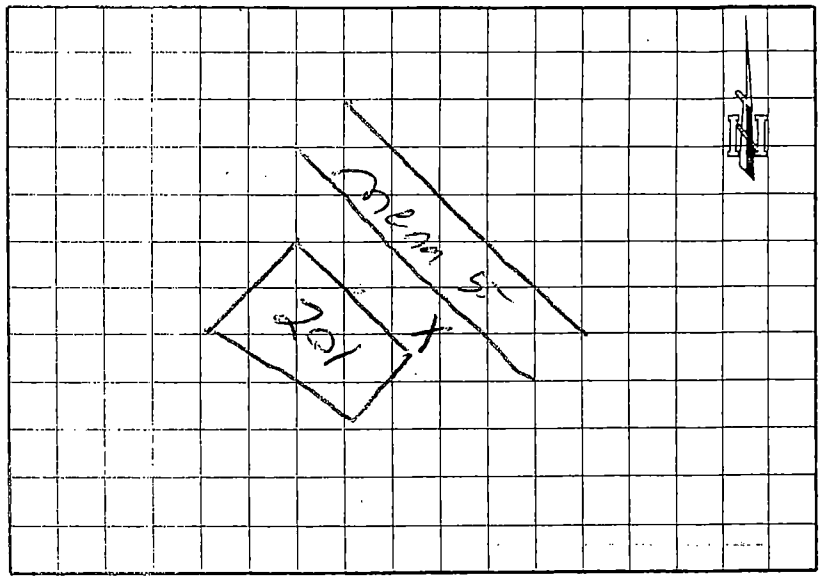
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

6

Subject: Mena Utilities SSES
 Location: IN FRONT OF HOUSE
 Area: 6
 Line No. _____
 Leak No. _____
 Date: 7/21/10 Time: _____
 Inspector: Boley



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: Service Line Leaking

MEASURED INFLOW (GPD) _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area 3050 FT
 Size Of Hole _____
 Potential Head 2"

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

6

Subject: Mena Utilities SSES

Location: 301 Reine

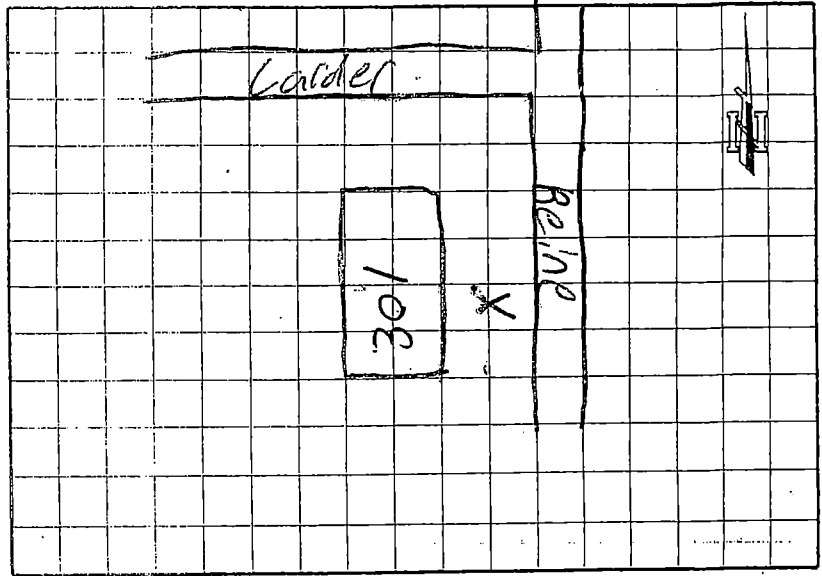
Area: _____

Line No. _____

Leak No. _____

Date: 7/21/10 Time: _____

Inspector: Bodley



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: Cap gone

MEASURED INFLOW (GPD) _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area 2 sq ft
 Size Of Hole 4"
 Potential Head 1"

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

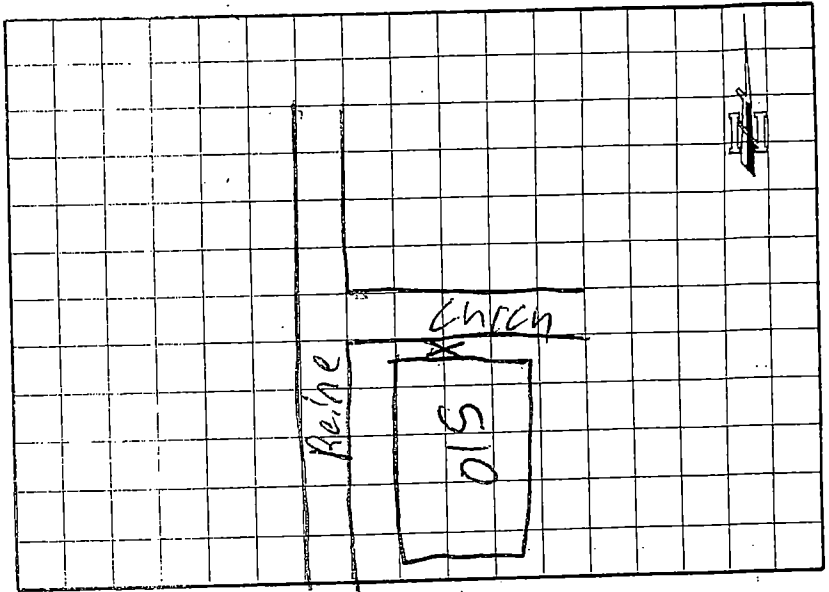
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

6

Subject: Mena Utilities SSES
 Location: 610 Bebe
 Area: _____
 Line No. _____
 Leak No. _____
 Date: 7/21/10 Time: _____
 Inspector: Boady



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: Cap gone

MEASURED INFLOW (GPD) _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area 1 Sq Ft
 Size Of Hole 4"
 Potential Head 1'

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

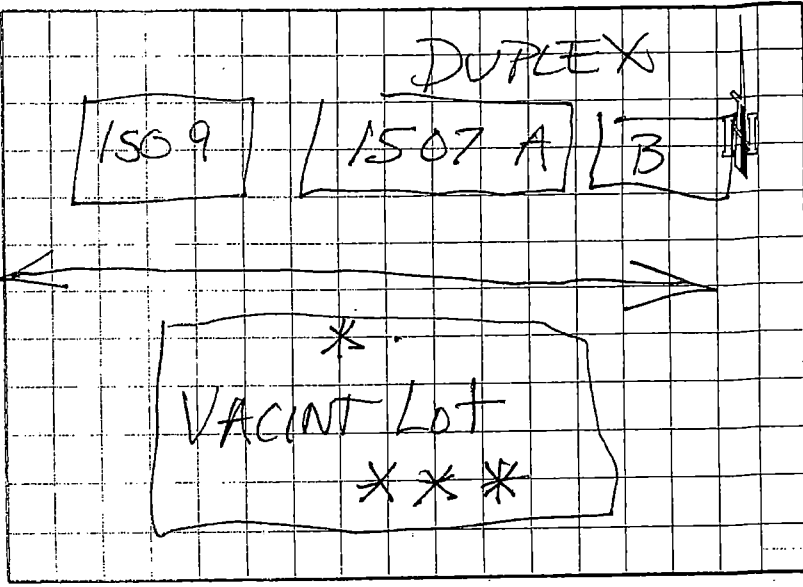
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

6

City: Mena Utilities SSES
 Location: IN FRONT OF 1507
PORT ADRIAN CHURCH
 Area: 6
 Line No. _____
 Leak No. _____
 Date: _____ Time: _____
 Inspector: BB



RECOMMEND
 Quantification Testing

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

<u>DEGREE OF LEAK</u>	<u>LEAK CHARACTERISTICS</u>	<u>DRAINAGE AREA</u>	<u>COVER OVER LEAK</u>
<input type="checkbox"/> Heavy <input type="checkbox"/> Moderate <input type="checkbox"/> Light	Ponding Area <u>4 FT.</u> Size Of Hole _____ Potential Head <u>2 FT.</u>	<input type="checkbox"/> Pavement <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Roof	<input type="checkbox"/> Conc. Pavement <input type="checkbox"/> Asph. Pavement <input type="checkbox"/> Gravel <input type="checkbox"/> Sidewalk <input checked="" type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____
<u>TYPE OF PROPERTY</u>			
<input checked="" type="checkbox"/> Residence <input type="checkbox"/> Business	<input type="checkbox"/> Apartment <input type="checkbox"/> Trailer Park	<input type="checkbox"/> Vacant Lot <input type="checkbox"/> Other _____	

<u>SOURCE OF LEAK</u>	<u>REHABILITATION METHOD</u>
<input type="checkbox"/> CL Clean-out Plug Leaking <input type="checkbox"/> CM Clean-out Plug Missing/Broken <input type="checkbox"/> CA Clean-out Plug Assembly L/B <input type="checkbox"/> GL Grease Trap Lid Leaking <input type="checkbox"/> GB Grease Trap Lid Broken <input type="checkbox"/> RD Roof/Service drain Connection <input type="checkbox"/> DL Discontinued Private Line <input type="checkbox"/> BL Break (s) Along Line <input type="checkbox"/> SC Ditch/Storm Sewer Crossing <input type="checkbox"/> BM Break At Mainline Tap <input type="checkbox"/> OS Other _____	<input type="checkbox"/> SC Seal Clean-out Plug <input type="checkbox"/> RP Replace Clean-out Plug <input type="checkbox"/> RA Replace Clean-out Plug Assembly <input type="checkbox"/> ST Seal Grease Trap Lid <input type="checkbox"/> RT Grease Trap Lid <input type="checkbox"/> DD Disconnect Drain & Cap Off <input type="checkbox"/> CL Cap Off Line <input type="checkbox"/> PR Make _____ Point Repairs <input type="checkbox"/> RF Replace _____ ft. Of-Line <u>X</u> <input type="checkbox"/> RC Replace Collar <input type="checkbox"/> RL Replace Grease Trap Lid Other _____

ADDITIONAL COMMENTS TAP BY GUY WIRES FOR POWER POLES

PRIVATE LINE LEAK SUB 11

Subject: Mena Utilities SSES

Location: 805 10th ST.

Area: SEC 11

Line No. _____

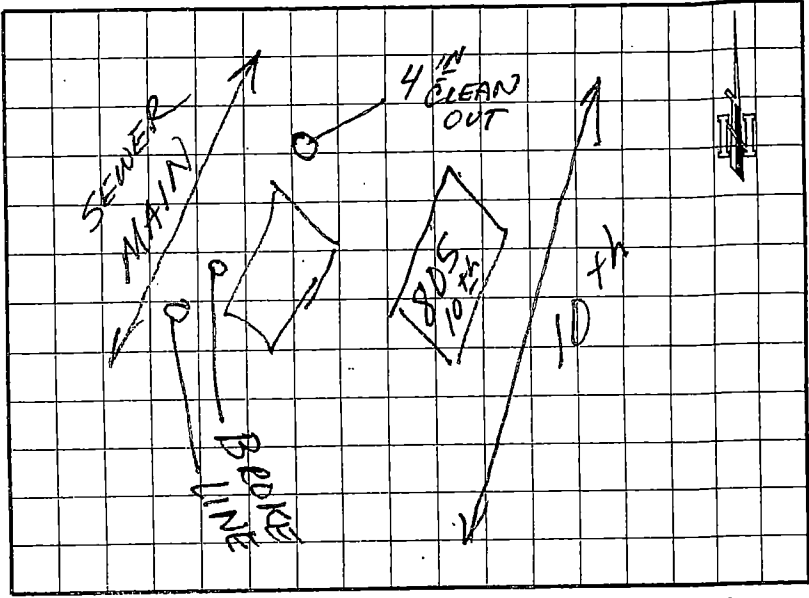
Leak No. _____

Date: 6-28-10 Time: _____

Inspector: BP

RECOMMEND PIC. # 442, 441, 440

Quantification Testing



DESCRIPTION OF LEAK: CLEAN OUT NO TOP & VERY LARGE PONDING AREA WITH TRENCH DUG TO PONDING AREA.

MEASURED INFLOW (GPD) _____

<u>TYPE OF LEAK</u>	<u>LEAK CHARACTERISTICS</u>	<u>DRAINAGE AREA</u>	<u>COVER OVER LEAK</u>
<input checked="" type="checkbox"/> Heavy <input type="checkbox"/> Moderate <input type="checkbox"/> Light	Ponding Area <u>VERY, VERY LARGE</u> Size Of Hole _____ Potential Head <u>FEET</u>	<input checked="" type="checkbox"/> Pavement <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> Roof	<input type="checkbox"/> Conc. Pavement <input type="checkbox"/> Asph. Pavement <input type="checkbox"/> Gravel <input type="checkbox"/> Sidewalk <input checked="" type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____
<u>TYPE OF PROPERTY</u>			
<input checked="" type="checkbox"/> Residence <input type="checkbox"/> Business	<input type="checkbox"/> Apartment <input type="checkbox"/> Trailer Park	<input type="checkbox"/> Vacant Lot <input type="checkbox"/> Other _____	

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS TWO BROKE ~~THE~~ PIPES WITH LARGE PONDING AREA.

PRIVATE LINE LEAK

11 E

Subject: Mená Utilities SSES

Location: 1105 MAPLE

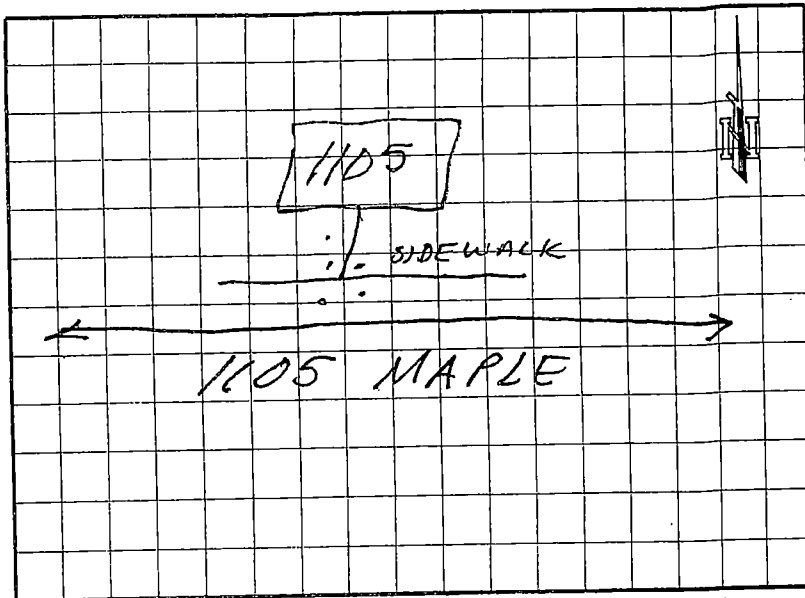
Area: SBL 11

Line No. _____

Leak No. _____

Date: 6-28-10 Time: _____

Inspector: (BR)



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: SMOKE COMING FROM METER BOX, UNDER SIDEWALK, IN YARD.

MEASURED INFLOW (GPD) _____

SEVERE OF LEAK

LEAK CHARACTERISTICS

DRAINAGE AREA

COVER OVER LEAK

- Heavy
- Moderate
- Light

Ponding Area 10 sq ft.
 Size Of Hole _____
 Potential Head 4 in.

- Pavement
- Ground
- Roof

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

Other: _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

Subject: Mena Utilities SSES

Location: 311 10th

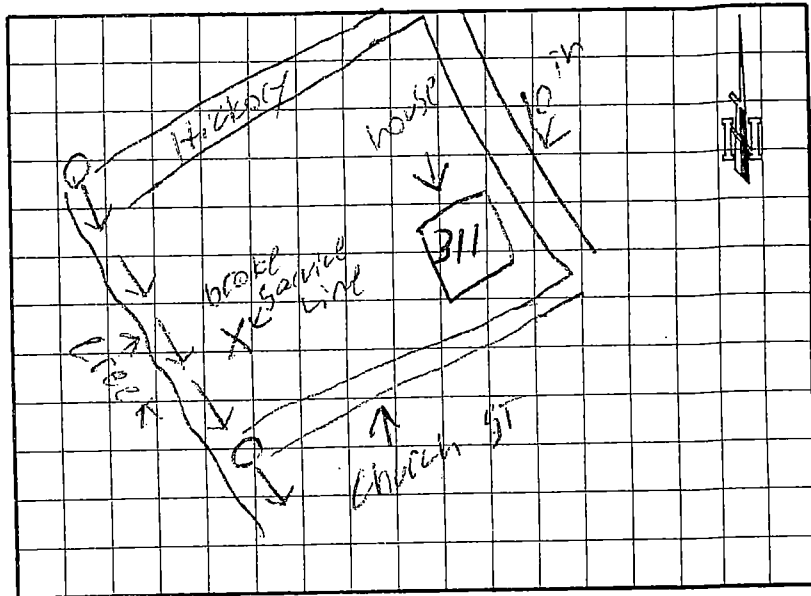
Area: SEC 6

Line No. _____

Leak No. 12

Date: 6/22/10 Time: _____

Inspector: Bodley



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: Brown over tree tore out service line

MEASURED INFLOW (GPD) _____

SEVERE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area 60 square feet
 Size Of Hole 4"
 Potential Head 3'

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other yard

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

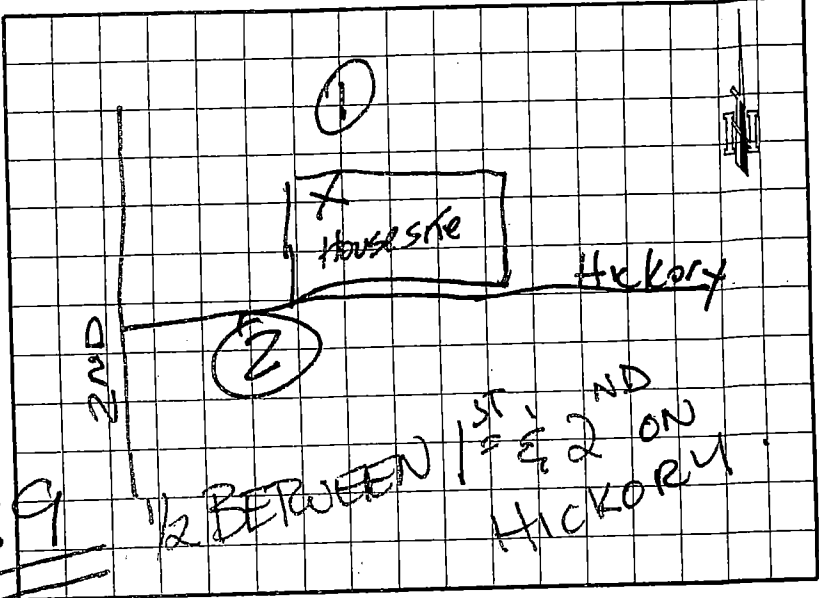
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS looks like a stump hole where a tree blew over possibly tearing out service line

pic # 6

PRIVATE LINE LEAK

Subject: Mena Utilities SSES
 Location: Hickory East
at 2nd Street
 Area: Section 2
 Line No.: _____
 Leak No.: _____
 Date: 30 Jun 10 Time: 1400
 Inspector: Mike



RECOMMEND

Quantification Testing

Picture 439

DESCRIPTION OF LEAK: Leak @ House site marked (1)
Main Hole @ # (2) in Ditch So of Hickory
Green Paint Street
 MEASURED INFLOW (GPD) _____

SEVERE OF LEAK

- Heavy 2
- Moderate
- Light 1

LEAK CHARACTERISTICS

Ponding Area Major 2
 Size Of Hole _____
 Potential Head _____

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asp. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence Business
- Apartment Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS NEAR M/H #419.

PRIVATE LINE LEAK

12

Subject: Mena Utilities SSES

Location: SECTION 12
MARTIN STREET & ALLEY

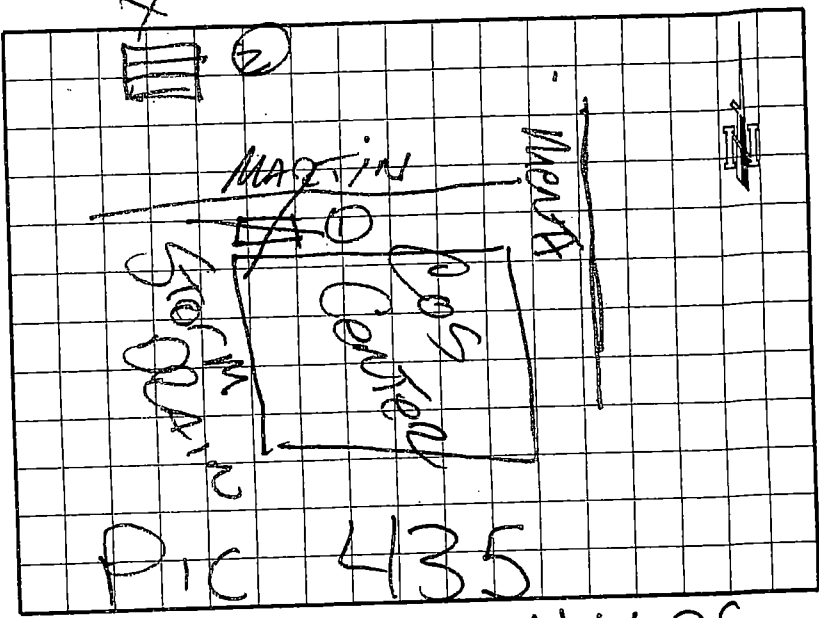
Area: _____

Line No. _____

Leak No. _____

Date: 1-24-01 Time: _____

Inspector: Mike



RECOMMEND
Quantification Testing

DESCRIPTION OF LEAK: SORM DRAINS @ MARTIN NW of
Cos Center and @ SW Corner of Herods

MEASURED INFLOW (GPD) _____

<p>SEVERE OF LEAK</p> <input checked="" type="checkbox"/> Heavy <input type="checkbox"/> Moderate <input type="checkbox"/> Light	<p>LEAK CHARACTERISTICS</p> Ponding Area <u>YES</u> Size Of Hole _____ Potential Head _____	<p>DRAINAGE AREA</p> <input checked="" type="checkbox"/> Pavement <input type="checkbox"/> Ground <input type="checkbox"/> Roof	<p>COVER OVER LEAK</p> <input type="checkbox"/> Conc.Pavement <input type="checkbox"/> Asph.Pavement <input type="checkbox"/> Gravel <input checked="" type="checkbox"/> Sidewalk <input type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____
<p>TYPE OF PROPERTY</p> <input checked="" type="checkbox"/> Residence <input checked="" type="checkbox"/> Business <input type="checkbox"/> Apartment <input type="checkbox"/> Trailer Park <input type="checkbox"/> Vacant Lot <input type="checkbox"/> Other _____			

SOURCE OF LEAK

<input type="checkbox"/>	CL Clean-out Plug Leaking
<input type="checkbox"/>	CM Clean-out Plug Missing/Broken
<input type="checkbox"/>	CA Clean-out Plug Assembly L/B
<input type="checkbox"/>	GL Grease Trap Lid Leaking
<input type="checkbox"/>	GB Grease Trap Lid Broken
<input type="checkbox"/>	RD Roof/Service drain Connection
<input type="checkbox"/>	DL Discontinued Private Line
<input checked="" type="checkbox"/>	BL Break (s) Along Line
<input type="checkbox"/>	SC Ditch/Storm Sewer Crossing
<input type="checkbox"/>	BM Break At Mainline Tap
<input type="checkbox"/>	OS Other _____

REHABILITATION METHOD

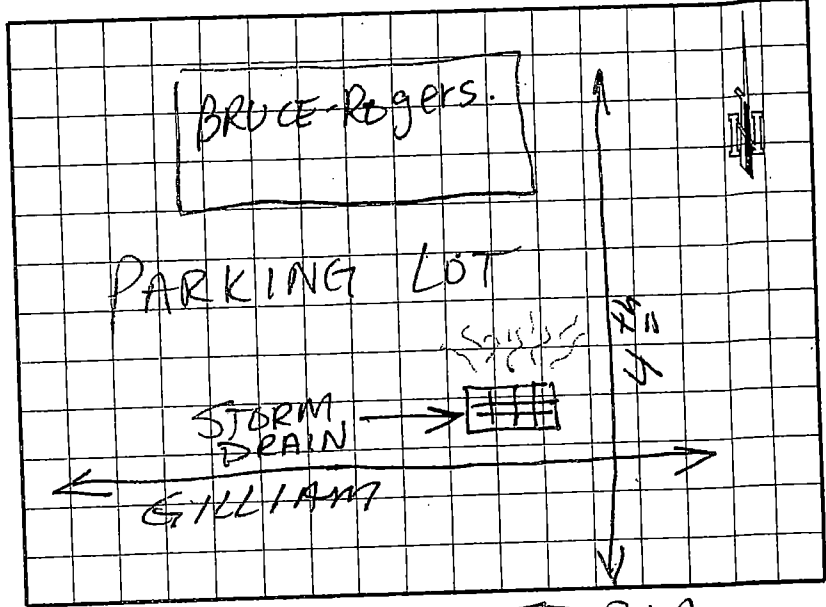
<input type="checkbox"/>	SC Seal Clean-out Plug
<input type="checkbox"/>	RP Replace Clean-out Plug
<input type="checkbox"/>	RA Replace Clean-out Plug Assembly
<input type="checkbox"/>	ST Seal Grease Trap Lid
<input type="checkbox"/>	RT Grease Trap Lid
<input type="checkbox"/>	DD Disconnect Drain & Cap Off
<input type="checkbox"/>	CL Cap Off Line
<input type="checkbox"/>	PR Make _____ Point Repairs
<input type="checkbox"/>	RF Replace _____ ft. Of Line
<input type="checkbox"/>	RC Replace Collar
<input type="checkbox"/>	RL Replace Grease Trap Lid
<input type="checkbox"/>	Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

12

Subject: Mend Utilities SSES
 Location: ~~DAK~~ § 4th
GILLIAM
 Area: SEC 12.
 Line No.: _____
 Leak No.: _____
 Date: 7.1.10 Time: _____
 Inspector: BB



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: SMOKE COMING FROM STORM DRAIN

MEASURED INFLOW (GPD) _____

SEVERE OF LEAK

LEAK CHARACTERISTICS

DRAINAGE AREA

COVER OVER LEAK

- Heavy
- Moderate
- Light

Ponding Area 1/2 BLOCK
 Size Of Hole _____
 Potential Head 2 feet.

- Pavement
- Ground
- Roof

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

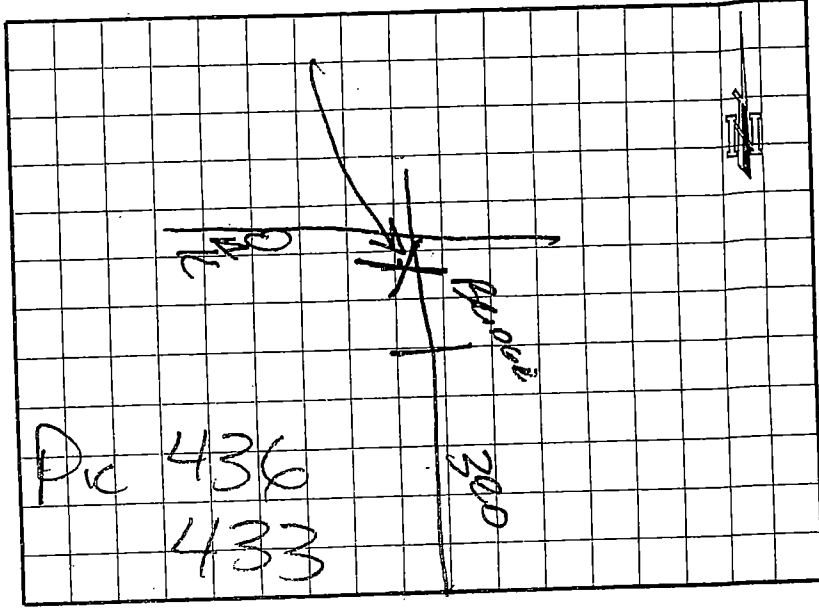
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS PIC, 437 & 438

PRIVATE LINE LEAK

12

Project: Mena Utilities SSES
 Location: 3rd Oak
 Area: SECTION 12
 Line No. _____
 Leak No. _____
 Date: July 10 Time: _____
 Inspector: Mike



RECOMMEND
 Quantification Testing

DESCRIPTION OF LEAK: Major
in Creek NEAR MH 353

MEASURED INFLOW (GPD) _____

- SOURCE OF LEAK**
- Heavy
 - Moderate
 - Light

LEAK CHARACTERISTICS

Ponding Area in Creek
 Size Of Hole _____
 Potential Head _____

- DRAINAGE AREA**
- Pavement
 - Ground
 - Roof

- COVER OVER LEAK**
- Conc. Pavement
 - Asph. Pavement
 - Gravel
 - Sidewalk
 - Yard/Field
 - Woods
 - Other _____

- TYPE OF PROPERTY**
- Residence
 - Business
 - Apartment
 - Trailer Park
 - Vacant Lot
 - Other Creek

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

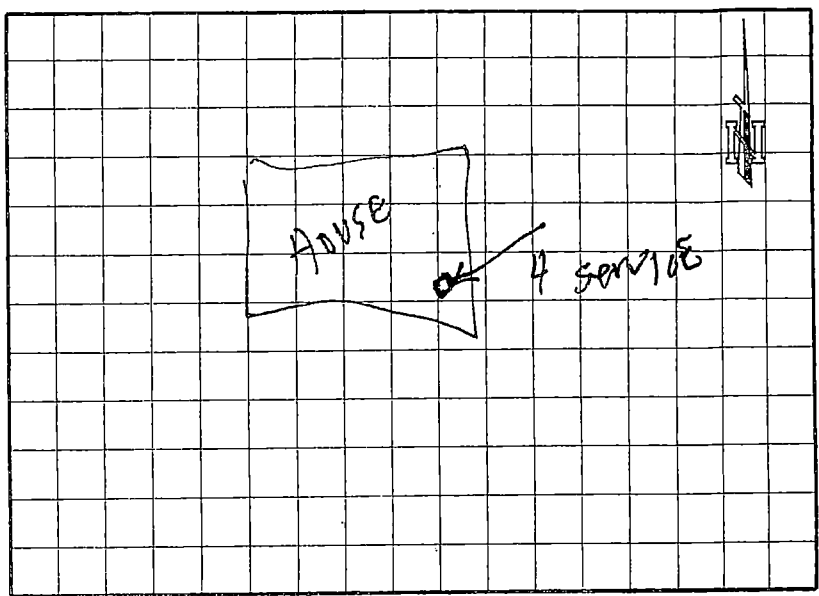
REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS Smoke From under Bridge

PRIVATE LINE LEAK 1 ~~2~~

Subject: Mena Utilities SSES
 Location: 2201 MISSOURI
 Area: FRONT RIGHT OF PROP.
 Line No. _____
 Leak No. 1
 Date: 6.22.10 Time: _____
 Inspector: (BB)



RECOMMEND
 Quantification Testing

DESCRIPTION OF LEAK: NO CAP PRESENT ON CLEAN OUT FOR RES.

MEASURED INFLOW (GPD) _____

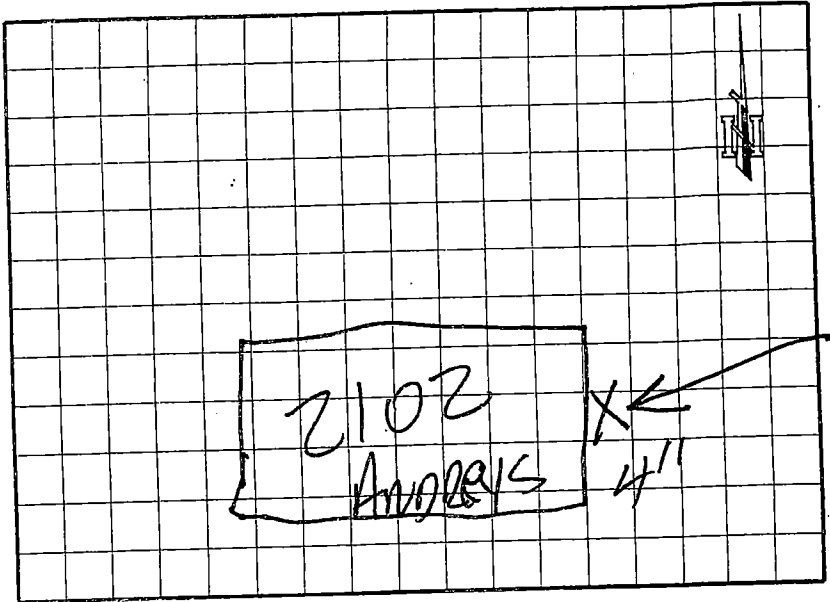
<u>DEGREE OF LEAK</u>	<u>LEAK CHARACTERISTICS</u>	<u>DRAINAGE AREA</u>	<u>COVER OVER LEAK</u>
<input type="checkbox"/> Heavy <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Light	Ponding Area <input checked="" type="checkbox"/> Size Of Hole <u>4</u> Potential Head <input checked="" type="checkbox"/>	<input type="checkbox"/> Pavement <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Roof	<input type="checkbox"/> Conc.Pavement <input type="checkbox"/> Asph.Pavement <input type="checkbox"/> Gravel <input type="checkbox"/> Sidewalk <input checked="" type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____
<u>TYPE OF PROPERTY</u>			
<input checked="" type="checkbox"/> Residence <input type="checkbox"/> Business	<input type="checkbox"/> Apartment <input type="checkbox"/> Trailer Park	<input type="checkbox"/> Vacant Lot <input type="checkbox"/> Other _____	

<u>SOURCE OF LEAK</u>	<u>REHABILITATION METHOD</u>
<input type="checkbox"/> CL Clean-out Plug Leaking <input checked="" type="checkbox"/> CM Clean-out Plug Missing/Broken <input type="checkbox"/> CA Clean-out Plug Assembly L/B <input type="checkbox"/> GL Grease Trap Lid Leaking <input type="checkbox"/> GB Grease Trap Lid Broken <input type="checkbox"/> RD Roof/Service drain Connection <input type="checkbox"/> DL Discontinued Private Line <input type="checkbox"/> BL Break (s) Along Line <input type="checkbox"/> SC Ditch/Storm Sewer Crossing <input type="checkbox"/> BM Break At Mainline Tap <input type="checkbox"/> OS Other _____	<input type="checkbox"/> SC Seal Clean-out Plug <input type="checkbox"/> RP Replace Clean-out Plug <input type="checkbox"/> RA Replace Clean-out Plug Assembly <input type="checkbox"/> ST Seal Grease Trap Lid <input type="checkbox"/> RT Grease Trap Lid <input type="checkbox"/> DD Disconnect Drain & Cap Off <input type="checkbox"/> CL Cap Off Line <input type="checkbox"/> PR Make _____ Point Repairs <input type="checkbox"/> RF Replace _____ ft. Of Line <input type="checkbox"/> RC Replace Collar <input type="checkbox"/> RL Replace Grease Trap Lid <input type="checkbox"/> Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

Subject: Mena Utilities SSES
 Location: 2102 Andrews
 Area: Section 1
 Line No. _____
 Leak No. _____
 Date: 6/30/10 Time: 1035
 Inspector: Mike



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area _____
 Size Of Hole: 4"
 Potential Head _____

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

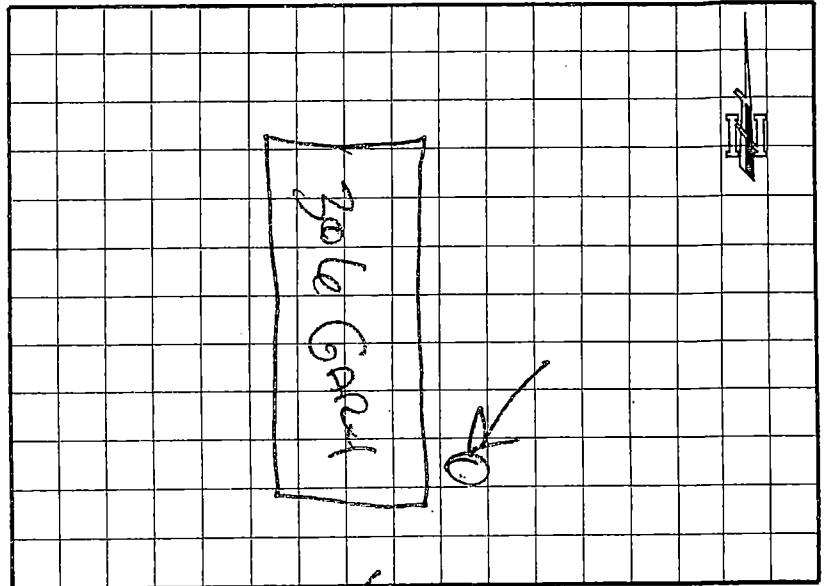
REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

Subject: Mena Utilities SSES
 Location: 306 GARY
 Area: SECTION 1
 Line No. _____
 Leak No. _____
 Date: 6/30/10 Time: 1115
 Inspector: MIKE



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: 4" Cleanout @ House

MEASURED INFLOW (GPD) _____

<p><u>DEGREE OF LEAK</u></p> <input checked="" type="checkbox"/> Heavy <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Light	<p><u>LEAK CHARACTERISTICS</u></p> Ponding Area <input checked="" type="checkbox"/> Size Of Hole _____ Potential Head _____	<p><u>DRAINAGE AREA</u></p> <input checked="" type="checkbox"/> Pavement <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Roof	<p><u>COVER OVER LEAK</u></p> <input type="checkbox"/> Conc.Pavement <input type="checkbox"/> Asph.Pavement <input type="checkbox"/> Gravel <input type="checkbox"/> Sidewalk <input type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____
<p><u>TYPE OF PROPERTY</u></p> <input checked="" type="checkbox"/> Residence <input type="checkbox"/> Apartment <input type="checkbox"/> Vacant Lot <input type="checkbox"/> Business <input type="checkbox"/> Trailer Park <input type="checkbox"/> Other _____			

SOURCE OF LEAK

CL Clean-out Plug Leaking
 CM Clean-out Plug Missing/Broken
 CA Clean-out Plug Assembly L/B
 GL Grease Trap Lid Leaking
 GB Grease Trap Lid Broken
 RD Roof/Service drain Connection
 DL Discontinued Private Line
 BL Break (s) Along Line
 SC Ditch/Storm Sewer Crossing
 BM Break At Mainline Tap
 OS Other _____

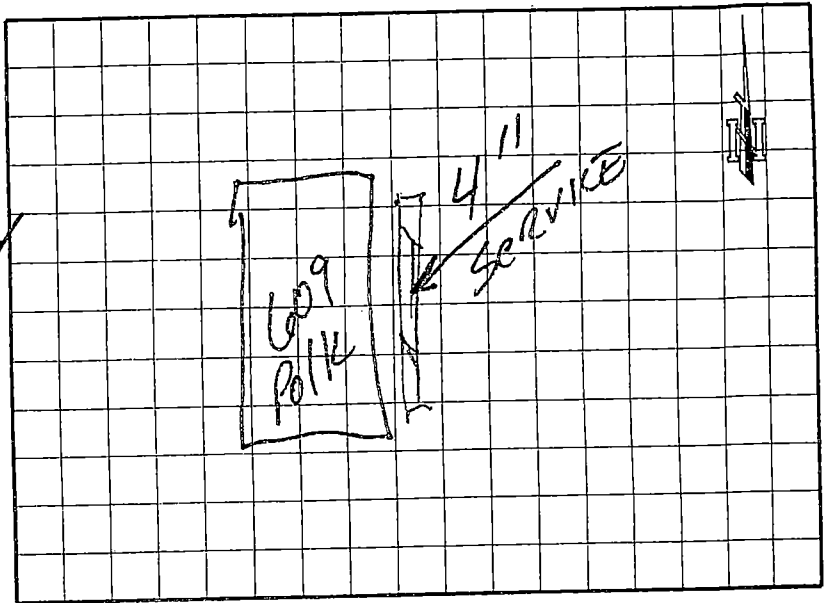
REHABILITATION METHOD

SC Seal Clean-out Plug
 RP Replace Clean-out Plug
 RA Replace Clean-out Plug Assembly
 ST Seal Grease Trap Lid
 RT Grease Trap Lid
 DD Disconnect Drain & Cap Off
 CL Cap Off Line
 PR Make _____ Point Repairs
 RF Replace _____ ft. Of Line
 RC Replace Collar
 RL Replace Grease Trap Lid
 Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK # 1

Subject: Mena Utilities SSES
 Location: 609 Polk
SECT 1
 Area: Under Hedge
 Line No. Housing Authority
 Leak No. _____
 Date: 6/30/10 Time: 10/10
 Inspector: _____



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

<u>SEVERE OF LEAK</u>	<u>LEAK CHARACTERISTICS</u>	<u>DRAINAGE AREA</u>	<u>COVER OVER LEAK</u>
<input type="checkbox"/> Heavy <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Light	Ponding Area _____ Size Of Hole <u>4"</u> Potential Head _____	<input type="checkbox"/> Pavement <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Roof	<input type="checkbox"/> Conc. Pavement <input type="checkbox"/> Asp. Pavement <input type="checkbox"/> Gravel <input type="checkbox"/> Sidewalk <input checked="" type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____
<u>TYPE OF PROPERTY</u>			
<input type="checkbox"/> Residence <input checked="" type="checkbox"/> Business	<input type="checkbox"/> Apartment <input type="checkbox"/> Trailer Park	<input type="checkbox"/> Vacant Lot <input type="checkbox"/> Other _____	

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

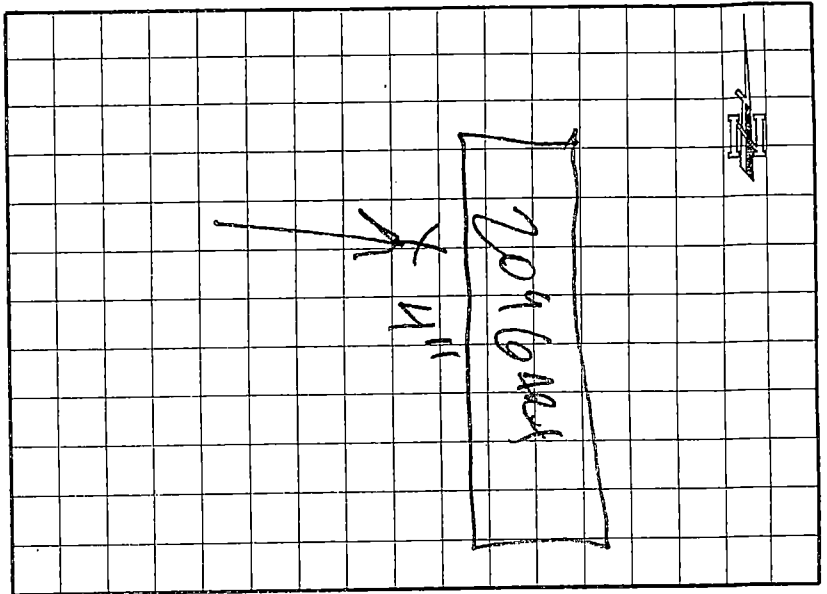
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS Under Hedge

PRIVATE LINE LEAK

5

Subject: Mena Utilities SSES
 Location: 209 Gary
 Area: SECTION 5
 Line No. _____
 Leak No. _____
 Date: 6/30/10 Time: 1130
 Inspector: Miko



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

<u>TREE OF LEAK</u>	<u>LEAK CHARACTERISTICS</u>	<u>DRAINAGE AREA</u>	<u>COVER OVER LEAK</u>
<input type="checkbox"/> Heavy <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Light	Ponding Area _____ Size Of Hole <u>4"</u> Potential Head _____	<input type="checkbox"/> Pavement <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Roof	<input type="checkbox"/> Conc.Pavement <input type="checkbox"/> Asp.Pavement <input type="checkbox"/> Gravel <input type="checkbox"/> Sidewalk <input checked="" type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____
<u>TYPE OF PROPERTY</u>			
<input checked="" type="checkbox"/> Residence <input type="checkbox"/> Business	<input type="checkbox"/> Apartment <input type="checkbox"/> Trailer Park	<input type="checkbox"/> Vacant Lot <input type="checkbox"/> Other _____	

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

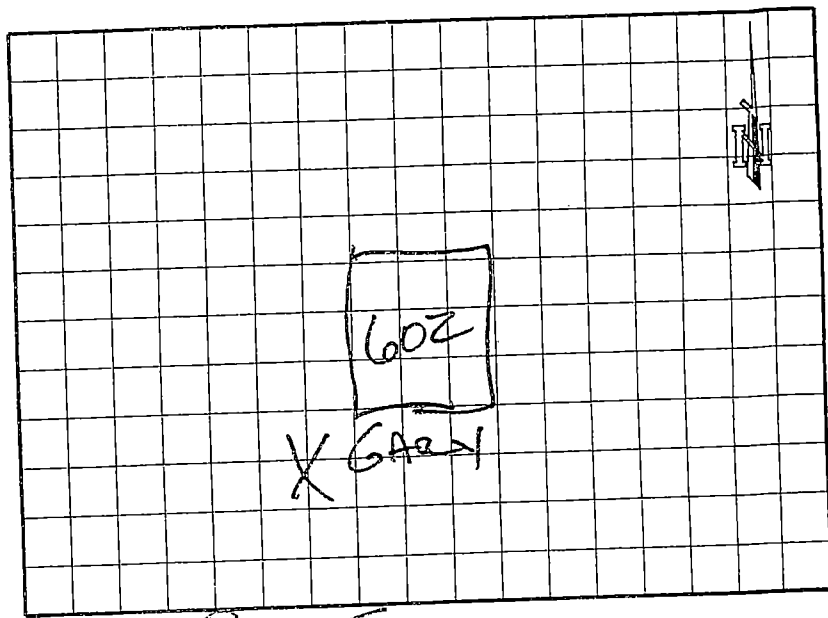
REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK SEC # 5

Subject: Mena Utilities SSES
 Location: 602 GARLY
 Area: SEC. 5
 Line No. _____
 Leak No. _____
 Date: _____ Time: _____
 Inspector: _____



RECOMMEND
 Quantification Testing

DESCRIPTION OF LEAK: HOUSE EMPTY FOR SALE

MEASURED INFLOW (GPD) _____

- SEVERE OF LEAK
- Heavy
 - Moderate
 - Light

LEAK CHARACTERISTICS

Ponding Area _____
 Size Of Hole 3"
 Potential Head _____

- DRAINAGE AREA
- Pavement
 - Ground
 - Roof

- COVER OVER LEAK
- Conc. Pavement
 - Asph. Pavement
 - Gravel
 - Sidewalk
 - Yard/Field
 - Woods
 - Other _____

- TYPE OF PROPERTY
- Residence
 - Business
 - Apartment
 - Trailer Park
 - Vacant Lot
 - Other _____

- SOURCE OF LEAK
- CL Clean-out Plug Leaking
 - CM Clean-out Plug Missing/Broken
 - CA Clean-out Plug Assembly L/B
 - GL Grease Trap Lid Leaking
 - GB Grease Trap Lid Broken
 - RD Roof/Service drain Connection
 - DL Discontinued Private Line
 - BL Break (s) Along Line
 - SC Ditch/Storm Sewer Crossing
 - BM Break At Mainline Tap
 - OS Other _____

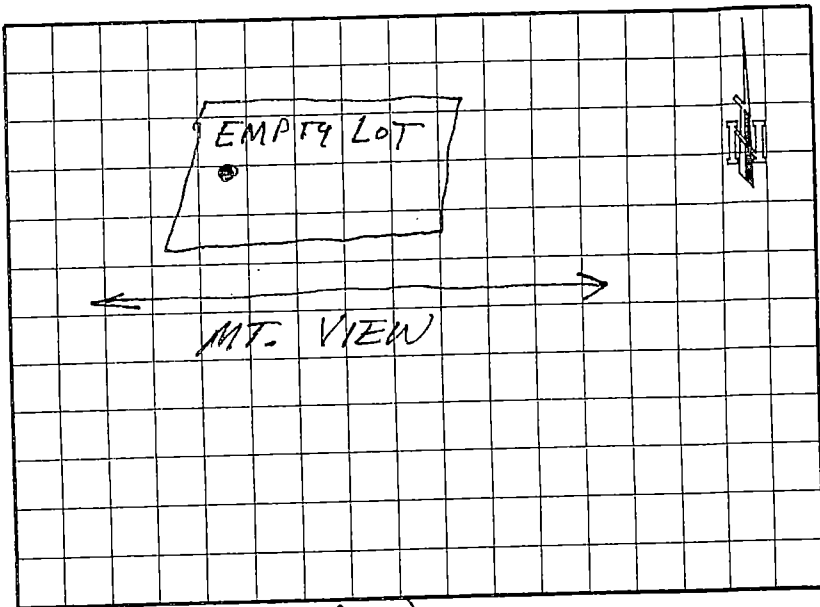
- REHABILITATION METHOD
- SC Seal Clean-out Plug
 - RP Replace Clean-out Plug
 - RA Replace Clean-out Plug Assembly
 - ST Seal Grease Trap Lid
 - RT Grease Trap Lid
 - DD Disconnect Drain & Cap Off
 - CL Cap Off Line
 - PR Make _____ Point Repairs
 - RF Replace _____ ft. Of Line
 - RC Replace Collar
 - RL Replace Grease Trap Lid
 - Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

SEC #2

Subject: Mena Utilities SSES
 Location: VACANT LOT N BET TO
308 MT. VIEW
 Area: SEC #2
 Line No. _____
 Leak No. _____
 Date: 6-30-10 Time: _____
 Inspector: BB



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: 3" SERVICE LEAK (RUSTED PIPE)

MEASURED INFLOW (GPD) _____

GREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area 3'
 Size Of Hole 2"
 Potential Head 2 to 3"

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

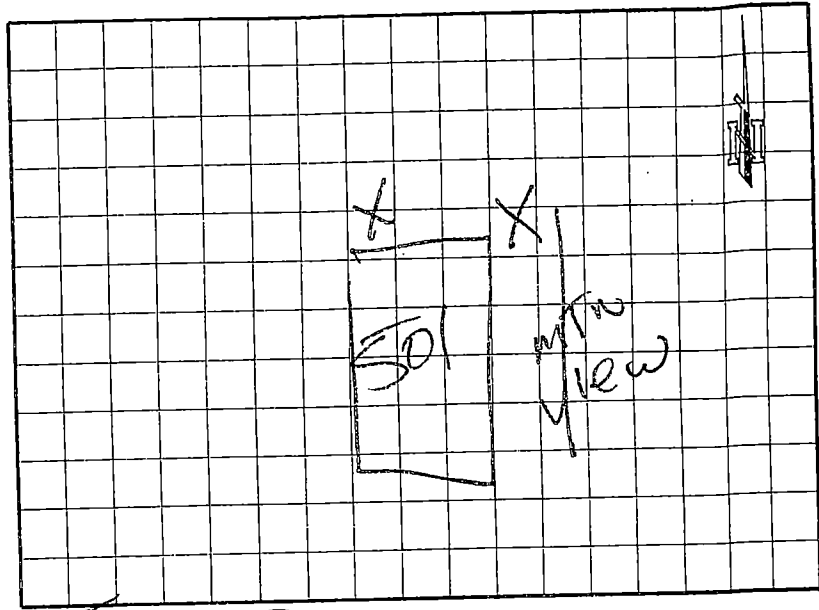
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

2

Subject: Mend Utilities SSES
 Location: 501 N Gary
 Area: SECTION 2
 Line No. _____
 Leak No. _____
 Date: _____ Time: _____
 Inspector: _____



RECOMMEND
 Quantification Testing

DESCRIPTION OF LEAK: Clean out X 2

MEASURED INFLOW (GPD) _____

- SEVERE OF LEAK
- Heavy
 - Moderate
 - Light

LEAK CHARACTERISTICS

Ponding Area _____
 Size Of Hole 3" x 3"
 Potential Head _____

- DRAINAGE AREA
- Pavement
 - Ground
 - Roof

- COVER OVER LEAK
- Conc. Pavement
 - Asph. Pavement
 - Gravel
 - Sidewalk
 - Yard/Field
 - Woods
 - Other _____

- TYPE OF PROPERTY
- Residence
 - Business
 - Apartment
 - Trailer Park
 - Vacant Lot
 - Other _____

- SOURCE OF LEAK
- CL Clean-out Plug Leaking
 - CM Clean-out Plug Missing/Broken
 - CA Clean-out Plug Assembly L/B
 - GL Grease Trap Lid Leaking
 - GB Grease Trap Lid Broken
 - RD Roof/Service drain Connection
 - DL Discontinued Private Line
 - BL Break (s) Along Line
 - SC Ditch/Storm Sewer Crossing
 - BM Break At Mainline Tap
 - OS Other _____

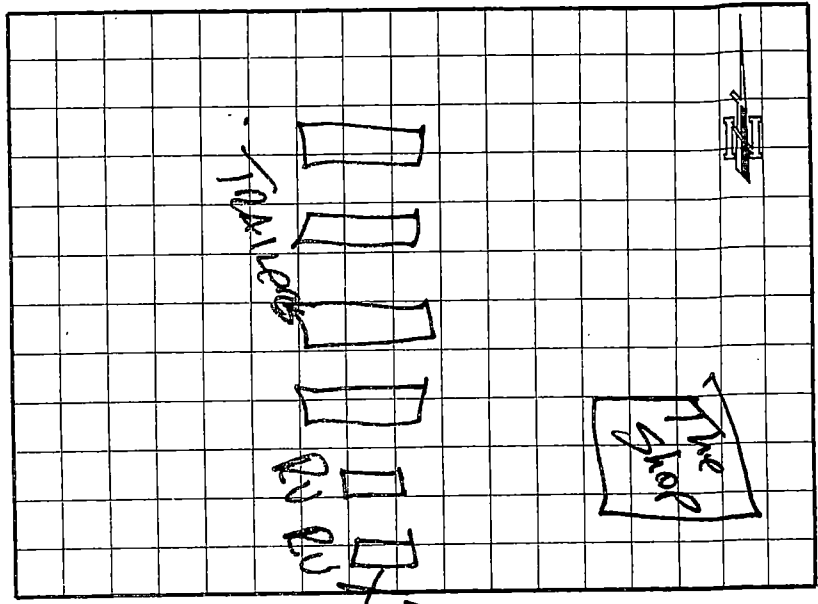
- REHABILITATION METHOD
- SC Seal Clean-out Plug
 - RP Replace Clean-out Plug
 - RA Replace Clean-out Plug Assembly
 - ST Seal Grease Trap Lid
 - RT Grease Trap Lid
 - DD Disconnect Drain & Cap Off
 - CL Cap Off Line
 - PR Make _____ Point Repairs
 - RF Replace _____ ft. Of Line
 - RC Replace Collar
 - RL Replace Grease Trap Lid
 - Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

2

Subject: Mena Utilities SSES
 Location: WA near +
Grand View
 Area: SECTION 2
 Line No.: _____
 Leak No.: _____
 Date: 6/30/10 Time: _____
 Inspector: Mike



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

SEVERE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area _____
 Size Of Hole: 4 1/2"
 Potential Head _____

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

2

Subject: Mena Utilities SSES

Location: 208 VIOLET

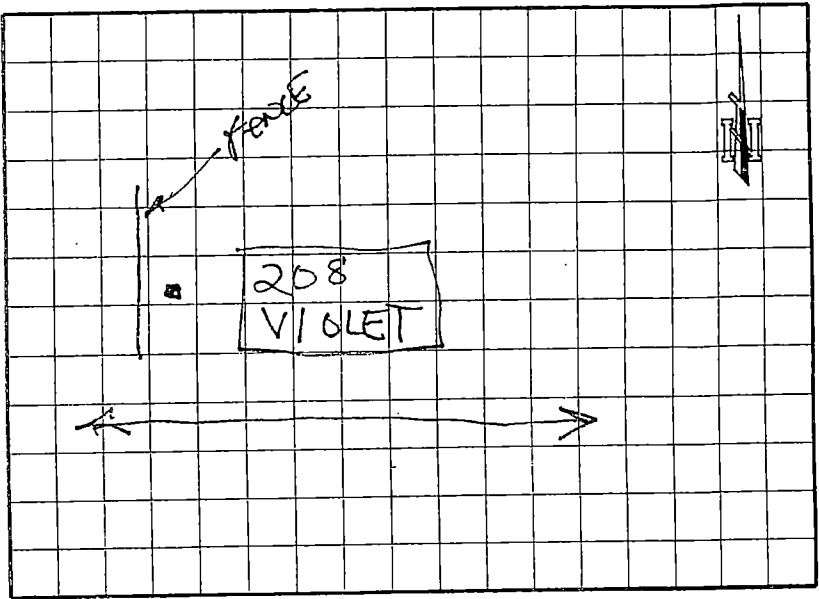
Area: 2

Line No. _____

Leak No. _____

Date: 6-30-10 Time: _____

Inspector: [Signature]



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

SEVERE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area 2'
 Size Of Hole 4"
 Potential Head 2"

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc.Pavement
- Asph.Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

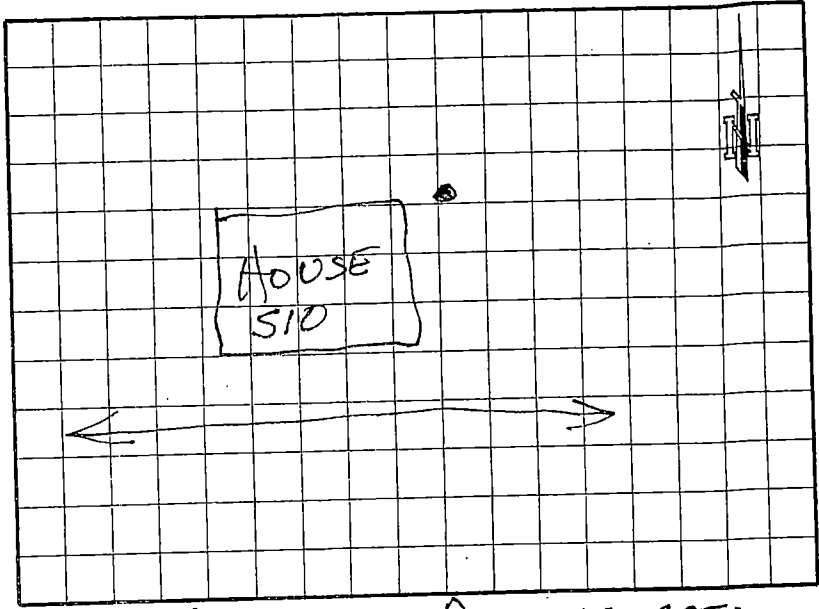
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS: _____

PRIVATE LINE LEAK

2

Subject: Mend Utilities SSES
 Location: 510 WARNER
 Area: 2
 Line No.: _____
 Leak No.: _____
 Date: 6-30-10 Time: _____
 Inspector: BR



RECOMMEND:
 Quantification Testing

DESCRIPTION OF LEAK: NO CLEAN OUT PRESENT PONDING AREA
FARLY LARGE

MEASURED INFLOW (GPD) _____

SEVERE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area 6' FOOT
 Size Of Hole 4"
 Potential Head 2"

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

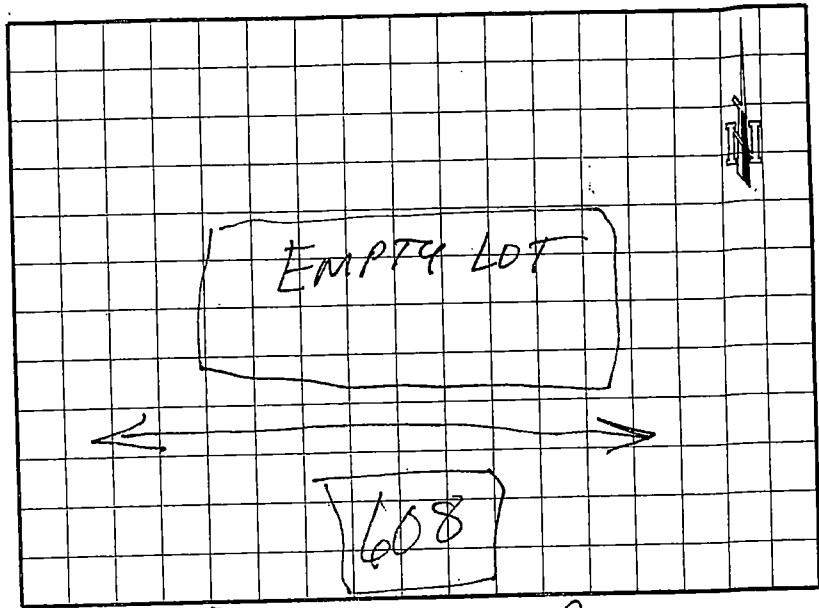
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

2

Project: Mend Utilities SSES
 Location: ACROSS FROM 608 WARNER / VACINT LOT
 Area: 2
 Line No.: _____
 Leak No.: _____
 Date: _____ Time: _____
 Inspector: _____



RECOMMEND
 Quantification Testing

DESCRIPTION OF LEAK: 3 to 4 HOLES IN PIPE SMOKE PRES.

MEASURED INFLOW (GPD) _____

<p><u>SEVERE OF LEAK</u></p> <input checked="" type="checkbox"/> Heavy <input type="checkbox"/> Moderate <input type="checkbox"/> Light	<p><u>LEAK CHARACTERISTICS</u></p> Ponding Area <u>8'</u> Size Of Hole <u>2 X 3"</u> Potential Head <u>2"</u>	<p><u>DRAINAGE AREA</u></p> <input type="checkbox"/> Pavement <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Roof	<p><u>COVER OVER LEAK</u></p> <input type="checkbox"/> Conc.Pavement <input type="checkbox"/> Asph.Pavement <input type="checkbox"/> Gravel <input type="checkbox"/> Sidewalk <input checked="" type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____
<p><u>TYPE OF PROPERTY</u></p> <input type="checkbox"/> Residence <input type="checkbox"/> Apartment <input type="checkbox"/> Vacant Lot <input type="checkbox"/> Business <input type="checkbox"/> Trailer Park <input type="checkbox"/> Other _____			

<p><u>SOURCE OF LEAK</u></p> <input type="checkbox"/> CL Clean-out Plug Leaking <input type="checkbox"/> CM Clean-out Plug Missing/Broken <input type="checkbox"/> CA Clean-out Plug Assembly L/B <input type="checkbox"/> GL Grease Trap Lid Leaking <input type="checkbox"/> GB Grease Trap Lid Broken <input type="checkbox"/> RD Roof/Service drain Connection <input type="checkbox"/> DL Discontinued Private Line <input checked="" type="checkbox"/> BL Break (s) Along Line <input type="checkbox"/> SC Ditch/Storm Sewer Crossing <input type="checkbox"/> BM Break At Mainline Tap <input type="checkbox"/> OS Other _____	<p><u>REHABILITATION METHOD</u></p> <input type="checkbox"/> SC Seal Clean-out Plug <input type="checkbox"/> RP Replace Clean-out Plug <input type="checkbox"/> RA Replace Clean-out Plug Assembly <input type="checkbox"/> ST Seal Grease Trap Lid <input type="checkbox"/> RT Grease Trap Lid <input type="checkbox"/> DD Disconnect Drain & Cap Off <input checked="" type="checkbox"/> CL Cap Off Line <input type="checkbox"/> PR Make _____ Point Repairs <input type="checkbox"/> RF Replace _____ ft. Of Line <input type="checkbox"/> RC Replace Collar <input type="checkbox"/> RL Replace Grease Trap Lid Other _____
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ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

2

Subject: Mend Utilities SSES

Location: 605

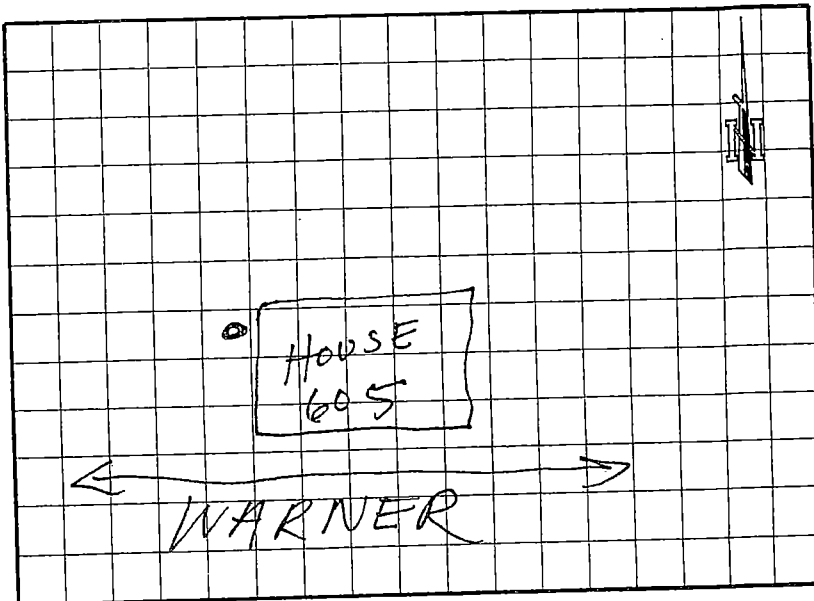
Area: 2 SIDE OF HOUSE

Line No. _____

Leak No. _____

Date: 6-30-10 Time: _____

Inspector: (B) (P)



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

GREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

- Ponding Area
- Size Of Hole 4"
- Potential Head

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

2

Subject: Mena Utilities SSES

Location: 607 MT. VIEW

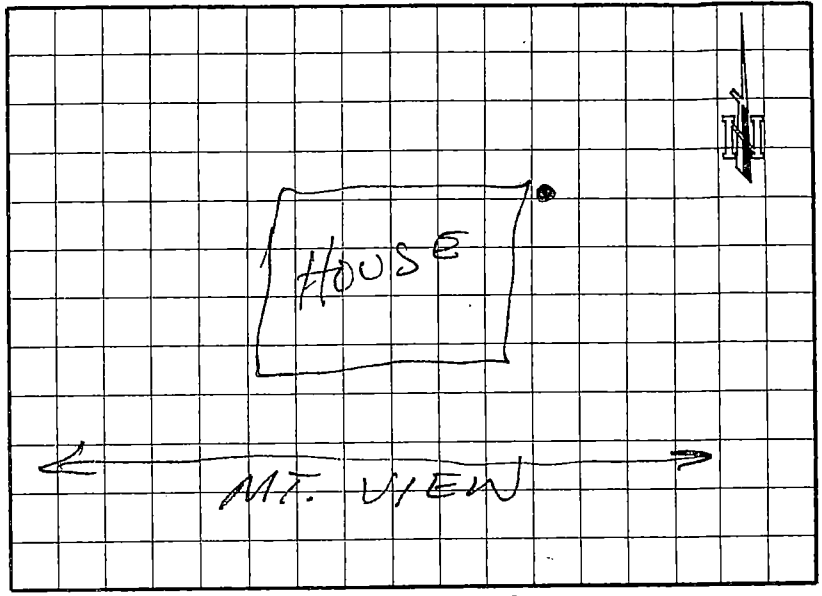
Area: 2

Line No. _____

Leak No. _____

Date: 6-30-10 Time: _____

Inspector: (Signature)



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: CLEAN OUT @ BACK RT CORNER OF HOUSE WITH NO CAP.

MEASURED INFLOW (GPD) _____

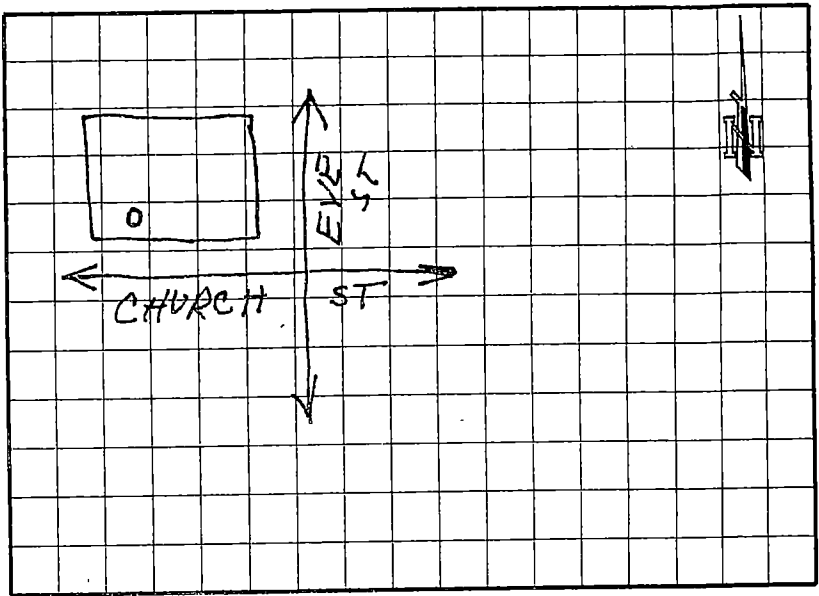
<p><u>GREE OF LEAK</u></p> <input type="checkbox"/> Heavy <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Light	<p><u>LEAK CHARACTERISTICS</u></p> Ponding Area <u>4'</u> Size Of Hole <u>4"</u> Potential Head <u>3"</u>	<p><u>DRAINAGE AREA</u></p> <input type="checkbox"/> Pavement <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Roof	<p><u>COVER OVER LEAK</u></p> <input type="checkbox"/> Conc.Pavement <input type="checkbox"/> Asph.Pavement <input type="checkbox"/> Gravel <input type="checkbox"/> Sidewalk <input checked="" type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____
<p><u>TYPE OF PROPERTY</u></p> <input checked="" type="checkbox"/> Residence <input type="checkbox"/> Apartment <input type="checkbox"/> Vacant Lot <input type="checkbox"/> Business <input type="checkbox"/> Trailer Park <input type="checkbox"/> Other _____			

<p><u>SOURCE OF LEAK</u></p> <input checked="" type="checkbox"/> CL Clean-out Plug Leaking <input type="checkbox"/> CM Clean-out Plug Missing/Broken <input type="checkbox"/> CA Clean-out Plug Assembly L/B <input type="checkbox"/> GL Grease Trap Lid Leaking <input type="checkbox"/> GB Grease Trap Lid Broken <input type="checkbox"/> RD Roof/Service drain Connection <input type="checkbox"/> DL Discontinued Private Line <input type="checkbox"/> BL Break (s) Along Line <input type="checkbox"/> SC Ditch/Storm Sewer Crossing <input type="checkbox"/> BM Break At Mainline Tap <input type="checkbox"/> OS Other _____	<p><u>REHABILITATION METHOD</u></p> <input type="checkbox"/> SC Seal Clean-out Plug <input type="checkbox"/> RP Replace Clean-out Plug <input type="checkbox"/> RA Replace Clean-out Plug Assembly <input type="checkbox"/> ST Seal Grease Trap Lid <input type="checkbox"/> RT Grease Trap Lid <input type="checkbox"/> DD Disconnect Drain & Cap Off <input type="checkbox"/> CL Cap Off Line <input type="checkbox"/> PR Make _____ Point Repairs <input type="checkbox"/> RF Replace _____ ft. Of Line <input type="checkbox"/> RC Replace Collar <input type="checkbox"/> RL Replace Grease Trap Lid <input type="checkbox"/> Other _____
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ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK 5

Subject: Mend Utilities SSES
 Location: EVE & CHURCH
 (EMPTY LOT)
 Area: LF. SIDE OF PROP.
 Line No.: _____
 Leak No. 5
 Date: 10-22-10 Time: _____
 Inspector: BB



RECOMMEND
 Quantification Testing

DESCRIPTION OF LEAK: BROKE OFF CLEAN OUT CAP. ON EMPTY LOT.

MEASURED INFLOW (GPD) _____

GREE OF LEAK	LEAK CHARACTERISTICS	DRAINAGE AREA	COVER OVER LEAK
<input type="checkbox"/> Heavy <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Light	Ponding Area <u>1 sq Ft</u> Size Of Hole <u>3 1/2"</u> Potential Head <u>2 1/2"</u>	<input type="checkbox"/> Pavement <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Roof	<input type="checkbox"/> Conc. Pavement <input type="checkbox"/> Asph. Pavement <input type="checkbox"/> Gravel <input type="checkbox"/> Sidewalk <input checked="" type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____
TYPE OF PROPERTY			
<input type="checkbox"/> Residence <input type="checkbox"/> Business	<input type="checkbox"/> Apartment <input type="checkbox"/> Trailer Park	<input type="checkbox"/> Vacant Lot <input type="checkbox"/> Other _____	

SOURCE OF LEAK	REHABILITATION METHOD
<input checked="" type="checkbox"/> CL Clean-out Plug Leaking <input type="checkbox"/> CM Clean-out Plug Missing/Broken <input type="checkbox"/> CA Clean-out Plug Assembly L/B <input type="checkbox"/> GL Grease Trap Lid Leaking <input type="checkbox"/> GB Grease Trap Lid Broken <input type="checkbox"/> RD Roof/Service drain Connection <input type="checkbox"/> DL Discontinued Private Line <input type="checkbox"/> BL Break (s) Along Line <input type="checkbox"/> SC Ditch/Storm Sewer Crossing <input type="checkbox"/> BM Break At Mainline Tap <input type="checkbox"/> OS Other _____	<input type="checkbox"/> SC Seal Clean-out Plug <input type="checkbox"/> RP Replace Clean-out Plug <input type="checkbox"/> RA Replace Clean-out Plug Assembly <input type="checkbox"/> ST Seal Grease Trap Lid <input type="checkbox"/> RT Grease Trap Lid <input type="checkbox"/> DD Disconnect Drain & Cap Off <input type="checkbox"/> CL Cap Off Line <input type="checkbox"/> PR Make _____ Point Repairs <input type="checkbox"/> RF Replace _____ ft. Of Line <input type="checkbox"/> RC Replace Collar <input type="checkbox"/> RL Replace Grease Trap Lid <input type="checkbox"/> Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

~~5~~ 5

Subject: Mena Utilities SSES

Location: 309 EVE ST

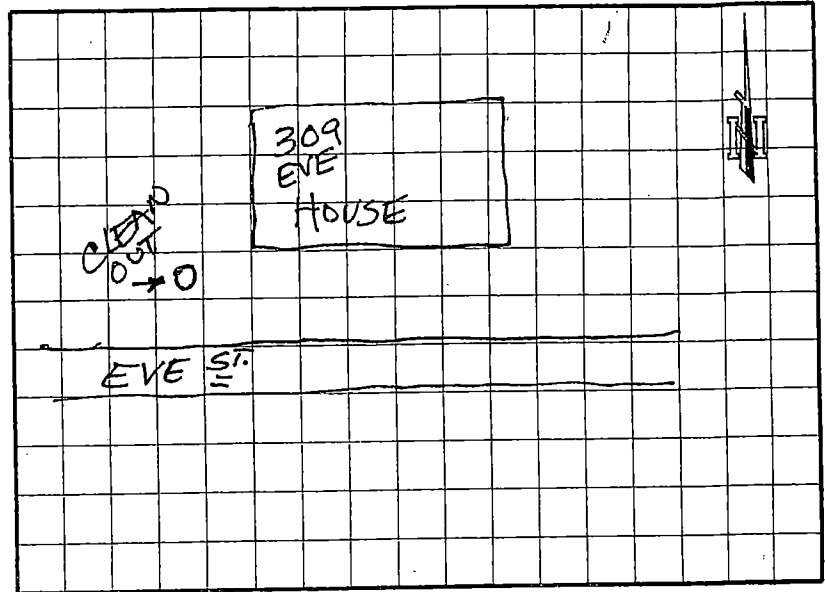
Area: FRONT LF. OF PROP.

Line No: _____

Leak No: 4

Date: 10:23:10 Time: _____

Inspector: BB



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: SMOKE COMING FROM CUST. CLEAN OUT (CAP BROKE)

MEASURED INFLOW (GPD) _____

SEVERE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area 4 FT.
 Size Of Hole 2x2
 Potential Head 4 IN.

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal/Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK 5



Subject: Mend Utilities SSES

Location: 208 EVC

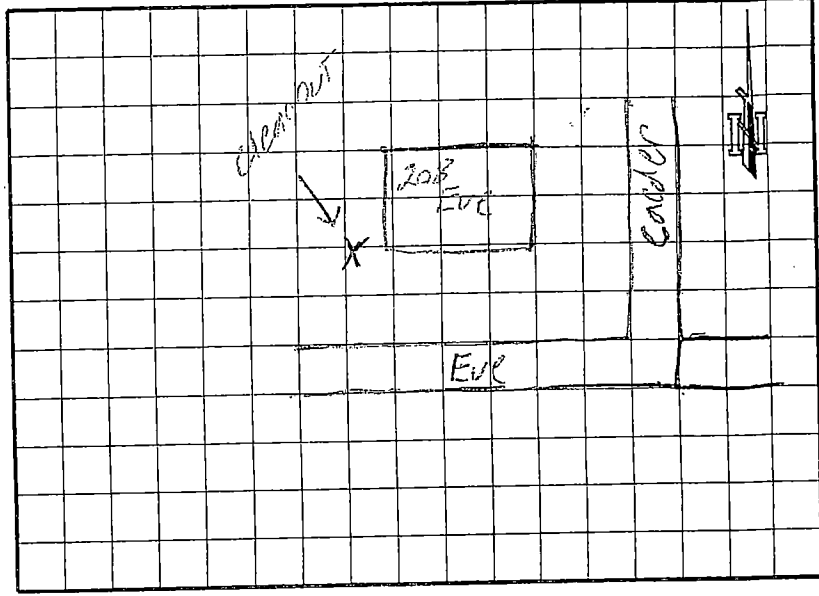
Area: _____

Line No.: _____

Leak No. 10

Date: 6/23/10 Time: _____

Inspector: Reddy



RECOMMEND _____

Quantification- Testing

DESCRIPTION OF LEAK: NO CAP ON CLEANOUT

MEASURED INFLOW (GPD) _____

TYPE OF LEAK	LEAK CHARACTERISTICS	DRAINAGE AREA	COVER OVER LEAK
<input type="checkbox"/> Heavy <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Light	Ponding Area <u>6 sqm feet</u> Size Of Hole <u>4"</u> Potential Head <u>1"</u>	<input type="checkbox"/> Pavement <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Roof	<input type="checkbox"/> Conc.Pavement <input type="checkbox"/> Asph.Pavement <input type="checkbox"/> Gravel <input type="checkbox"/> Sidewalk <input checked="" type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____
TYPE OF PROPERTY			
<input checked="" type="checkbox"/> Residence <input type="checkbox"/> Business	<input type="checkbox"/> Apartment <input type="checkbox"/> Trailer Park	<input type="checkbox"/> Vacant Lot <input type="checkbox"/> Other _____	

SOURCE OF LEAK	REHABILITATION METHOD
<input type="checkbox"/> CL Clean-out Plug Leaking <input checked="" type="checkbox"/> CM Clean-out Plug Missing/Broken <input type="checkbox"/> CA Clean-out Plug Assembly L/B <input type="checkbox"/> GL Grease Trap Lid Leaking <input type="checkbox"/> GB Grease Trap Lid Broken <input type="checkbox"/> RD Roof/Service drain Connection <input type="checkbox"/> DL Discontinued Private Line <input type="checkbox"/> BL Break (s) Along Line <input type="checkbox"/> SC Ditch/Storm Sewer Crossing <input type="checkbox"/> BM Break At Mainline Tap <input type="checkbox"/> OS Other _____	<input checked="" type="checkbox"/> SC Seal Clean-out Plug <input type="checkbox"/> RP Replace Clean-out Plug <input type="checkbox"/> RA Replace Clean-out Plug Assembly <input type="checkbox"/> ST Seal Grease Trap Lid <input type="checkbox"/> RT Grease Trap Lid <input type="checkbox"/> DD Disconnect Drain & Cap Off <input type="checkbox"/> CL Cap Off Line <input type="checkbox"/> PR Make _____ Point Repairs <input type="checkbox"/> RF Replace _____ ft. Of Line <input type="checkbox"/> RC Replace Collar <input type="checkbox"/> RL Replace Grease Trap Lid Other _____

ADDITIONAL COMMENTS PIC # 4

PRIVATE LINE LEAK 5

Subject: Mena Utilities SSES

Location: 207 Adams

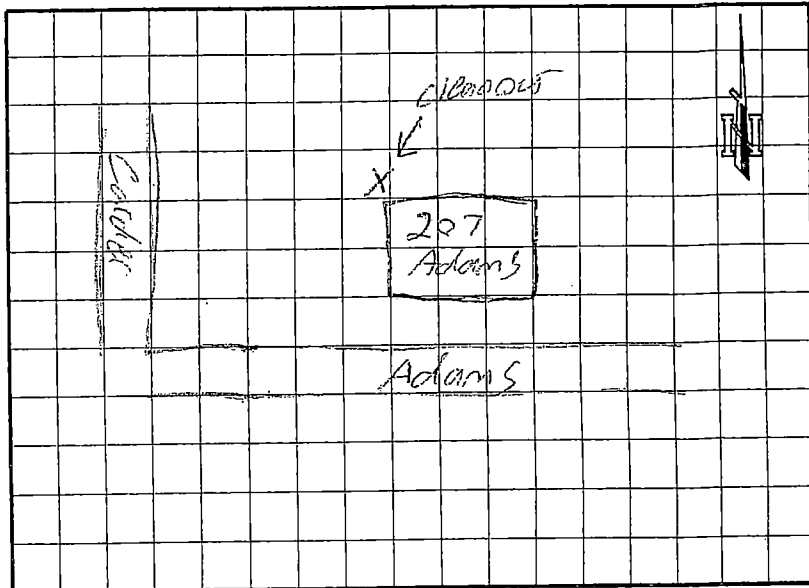
Area: _____

Line No.: _____

Leak No.: 11

Date: 6/23/10 Time: _____

Inspector: Rodley



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: NO CAP ON CREST 100 CLEANOUT

MEASURED INFLOW (GPD) _____

GREE OF LEAK

Heavy
 Moderate
 Light

LEAK CHARACTERISTICS

Ponding Area 3x3
Size Of Hole 4"
Potential Head 2"

DRAINAGE AREA

Pavement
 Ground
 Roof

COVER OVER LEAK

Conc. Pavement
 Asph. Pavement
 Gravel
 Sidewalk
 Yard/Field
 Woods
Other _____

TYPE OF PROPERTY

Residence Apartment Vacant Lot
 Business Trailer Park Other _____

SOURCE OF LEAK

CL Clean-out Plug Leaking
 CM Clean-out Plug Missing/Broken
 CA Clean-out Plug Assembly L/B
 GL Grease Trap Lid Leaking
 GB Grease Trap Lid Broken
 RD Roof/Service drain Connection
 DL Discontinued Private Line
 BL Break (s) Along Line
 SC Ditch/Storm Sewer Crossing
 BM Break At Mainline Tap
 OS Other _____

REHABILITATION METHOD

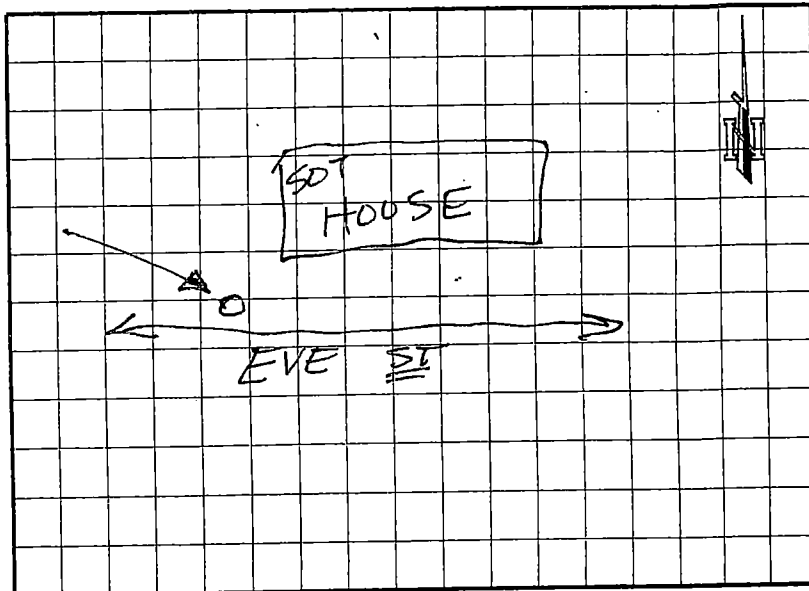
SC Seal Clean-out Plug
 RP Replace Clean-out Plug
 RA Replace Clean-out Plug Assembly
 ST Seal Grease Trap Lid
 RT Grease Trap Lid
 DD Disconnect Drain & Cap Off
 CL Cap Off Line
 PR Make _____ Point Repairs
 RF Replace _____ ft. Of Line
 RC Replace Collar
 RL Replace Grease Trap Lid
Other _____

ADDITIONAL COMMENTS PIC #5

PRIVATE LINE LEAK

6

Project: Mena Utilities SSES
 Location: 507 CHURCH ST
 Area: FRONT LF. OF PROP.
 Line No.: _____
 Leak No.: 7
 Date: 11.22.10 Time: _____
 Inspector: BD



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: BROKE OFF LID OF CLEAN OUT.

MEASURED INFLOW (GPD) _____

GREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area 0
 Size Of Hole 4 IN
 Potential Head 0

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

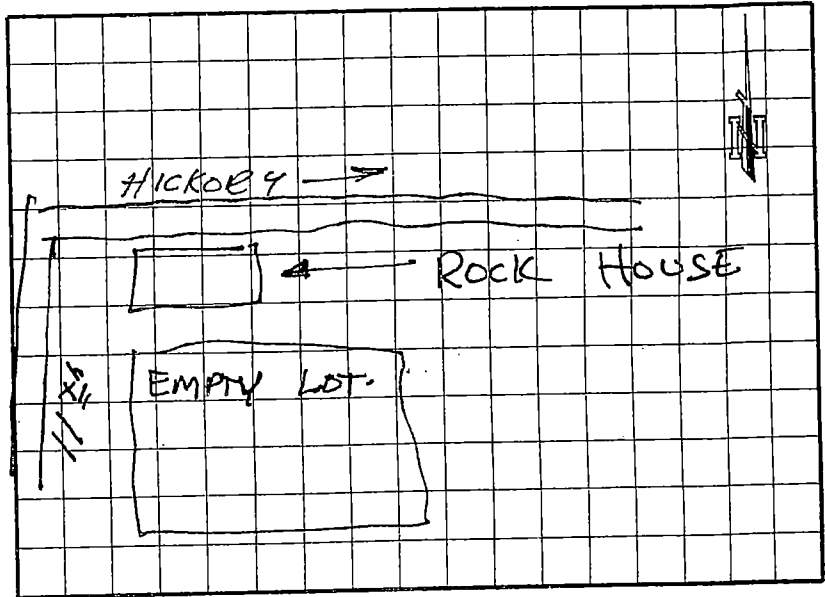
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

6

Subject: Mena Utilities SSES
 Location: EMPTY LOT BEHIND ROCK HOUSE
ON ~~11th~~ 11th & Hickory / 11th St.
 Area: EMPTY LOT.
 Line No.: _____
 Leak No.: 2
 Date: 6-22-10 Time: _____
 Inspector: (Signature)



DESCRIPTION OF LEAK: COMING FROM CLEAN OUTS.

MEASURED INFLOW (GPD) _____

SEVERE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area 1 ft.
 Size Of Hole 4 IN.
 Potential Head 1 IN

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK 6

Subject: Mena Utilities SSES

Location: ALLEY BETWEEN MENA ST & 4th OFF MAPAL.

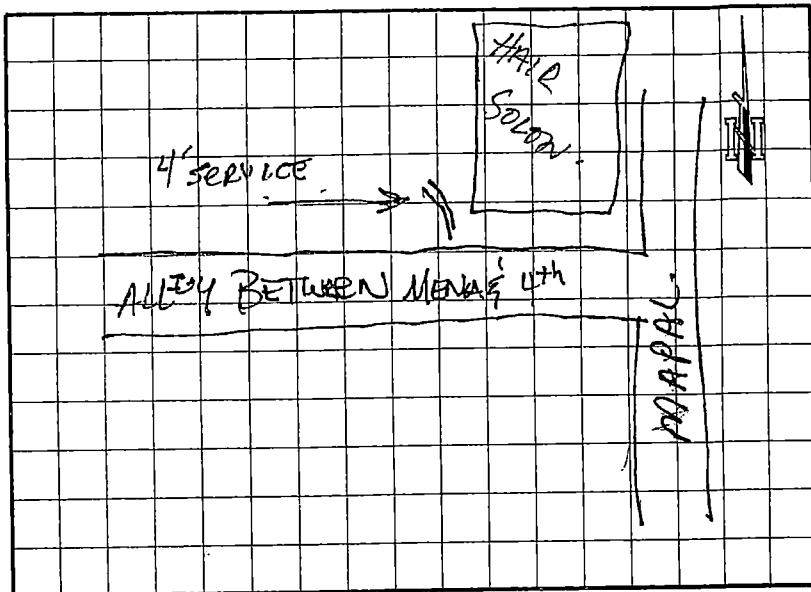
Area: BESIDE BUILDING.

Line No. _____

Leak No. 3

Date: 6-22-10 Time: _____

Inspector: (Signature)



RECOMMEND

Quantification-Testing

DESCRIPTION OF LEAK: COMING FROM OLD SERVICE LINE

MEASURED INFLOW (GPD) _____

GREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area 3 sq ft.
 Size Of Hole 4
 Potential Head 2^{IN}

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asp. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

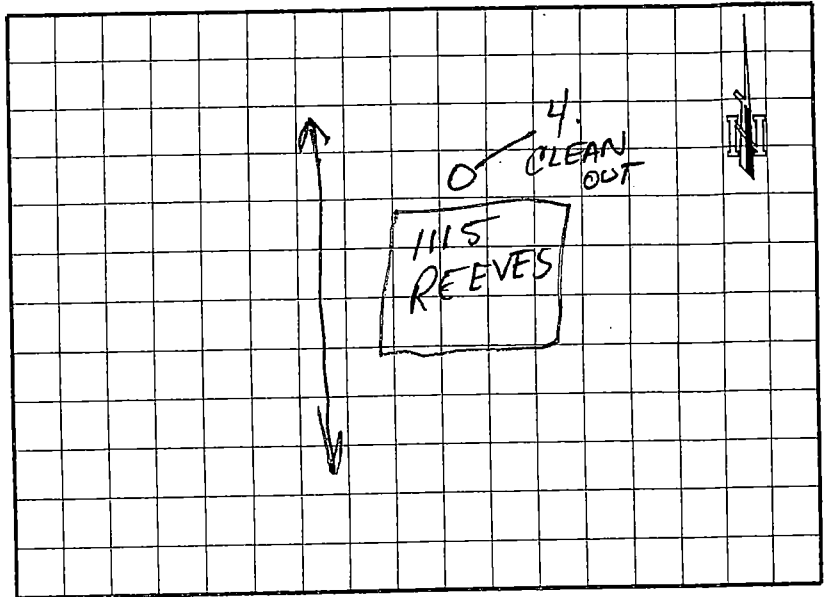
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS SMOKE COMING FROM WHAT APP. TO BE OLD SERVICE LINE

PRIVATE LINE LEAK

SUB ~~11~~

Project: Mena Utilities SSES
 Location: 1115 REEVES
SEC 11
 Area: BESIDE HOUSE
 Line No. _____
 Leak No. _____
 Date: 6-28-10 Time: _____
 Inspector: BAW



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: BROKE CLEAN OUT CAP

MEASURED INFLOW (GPD) _____

SEVERE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area 4 FOOT
 Size Of Hole 4
 Potential Head 3 IN.

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

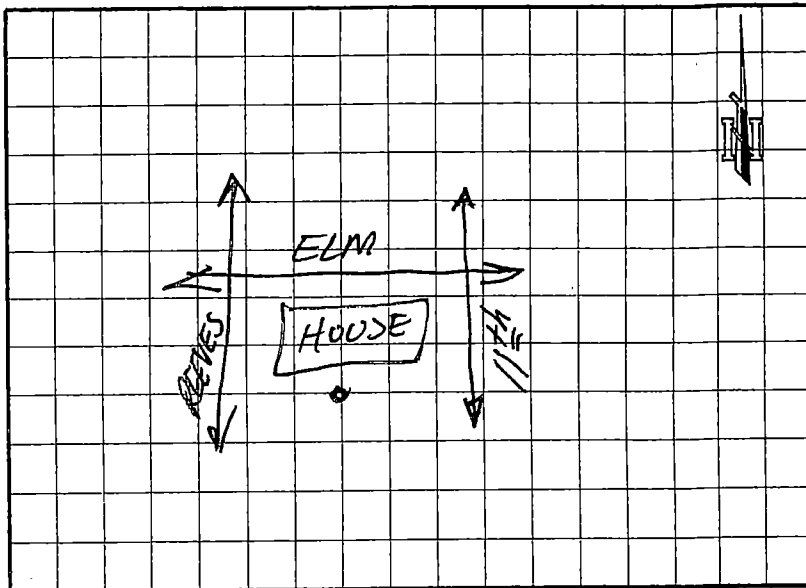
REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK SUB " ~~11~~ "

Project: Mena Utilities SSES
 Location: HOUSE BETWEEN REEVES
5811^{1/2} ON ELM-
 Area: BEHIND HOUSE
 Line No. _____
 Leak No. _____
 Date: 6-28-10 Time: _____
 Inspector: (Signature)



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: BROKE CLEAN OUT CAP

MEASURED INFLOW (GPD) _____

GREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area 4 FT.
 Size Of Hole 4
 Potential Head 3 IN.

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

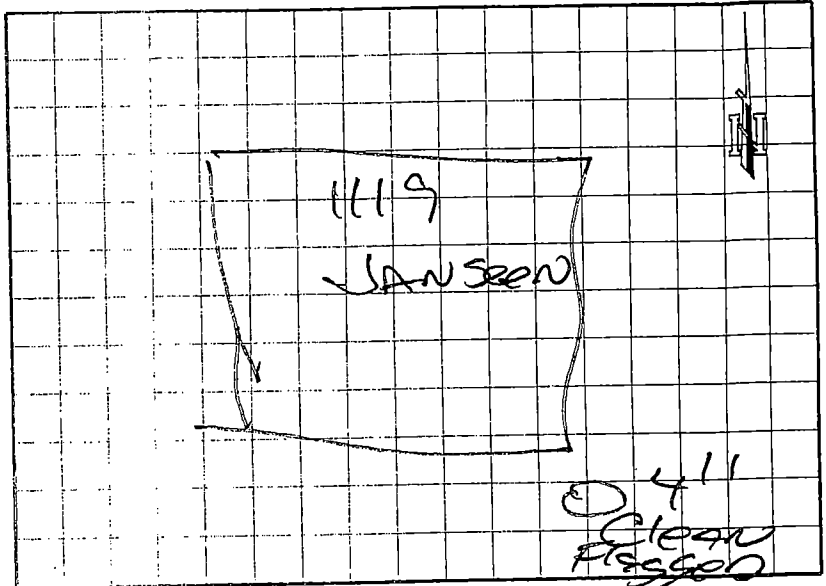
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

11

Subject: Mena Utilities SSES
 Location: 1119 JANSEEN
Geary Dopley A+B
 Area: JANSEEN
 Line No. _____
 Leak No. _____
 Date: 2/26/08 Time: _____
 Inspector: Mike



RECOMMEND:

Quantification Testing

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

<u>SEVERE OF LEAK</u>	<u>LEAK CHARACTERISTICS</u>	<u>DRAINAGE AREA</u>	<u>COVER OVER LEAK</u>
<input type="checkbox"/> Heavy <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Light	Ponding Area _____ Size Of Hole: <u>3"</u> Potential Head _____	<input type="checkbox"/> Pavement <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Roof	<input type="checkbox"/> Conc. Pavement <input type="checkbox"/> Asph. Pavement <input type="checkbox"/> Gravel <input type="checkbox"/> Sidewalk <input checked="" type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____
<u>TYPE OF PROPERTY</u>			
<input checked="" type="checkbox"/> Residence <input type="checkbox"/> Business	<input type="checkbox"/> Apartment <input type="checkbox"/> Trailer Park	<input type="checkbox"/> Vacant Lot <input type="checkbox"/> Other _____	

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

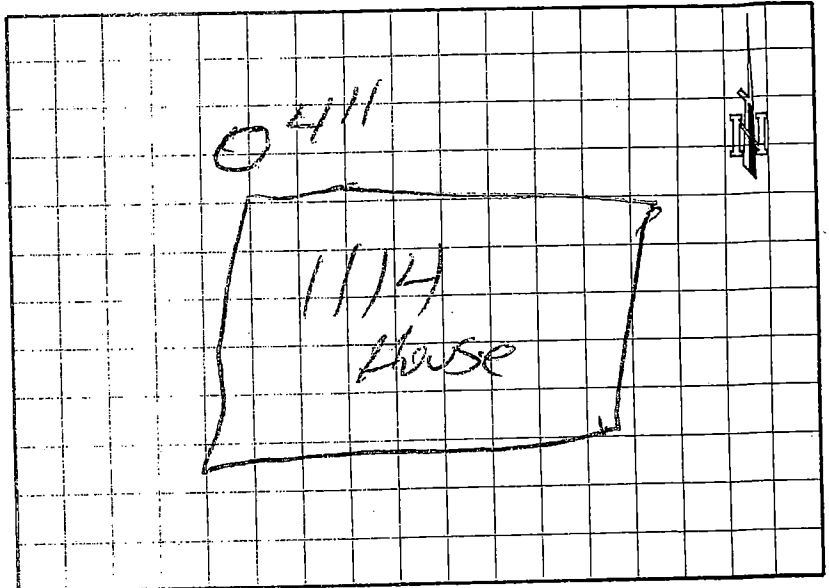
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS: Under Metal Cap Between
House & Street Pledged Clean

PRIVATE LINE LEAK

11

Subject: Mena Utilities SSES
 Location: 1114 Maple
 Area: _____
 Line No.: _____
 Leak No.: _____
 Date: 6/24/10 Time: _____
 Inspector: WKO



RECOMMENDATION
 Quantification Testing

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

SEVERE OF LEAK

LEAK CHARACTERISTICS

DRAINAGE AREA

COVER OVER LEAK

- Heavy
- Moderate
- Light

Ponding Area _____
 Size Of Hole 2"
 Potential Head _____

- Pavement
- Ground
- Roof

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

REHABILITATION METHOD

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

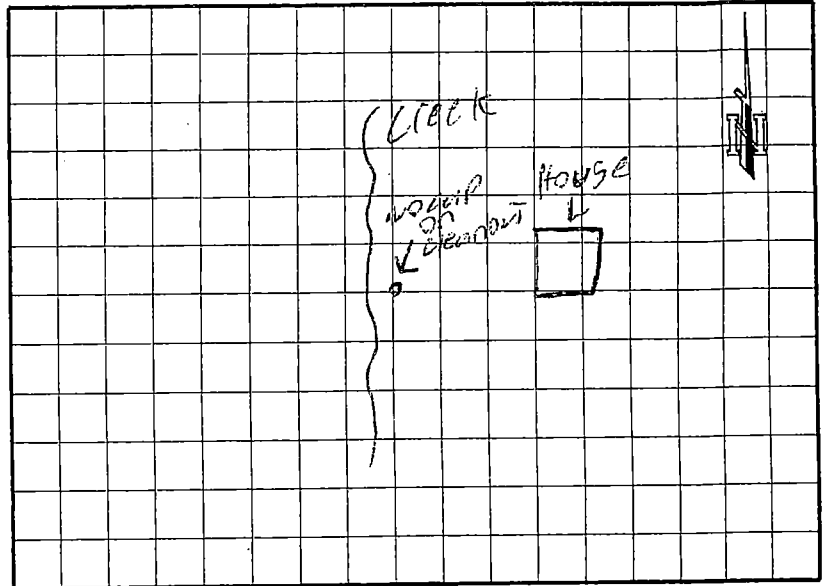
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS Plugged Green

PRIVATE LINE LEAK

R11

Subject: Mena Utilities SSES
 Location: 609 10th
 Area: _____
 Line No.: _____
 Leak No.: 8
 Date: 6/22/10 Time: _____
 Inspector: Bodey



RECOMMEND:

Quantification Testing

DESCRIPTION OF LEAK: NO CAP ON CLEANOUT

MEASURED INFLOW (GPD) _____

GREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area in low spot
 Size Of Hole 4"
 Potential Head 6"

DRAINAGE AREA

- Pavement
- Ground
- Roof
- in yard

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

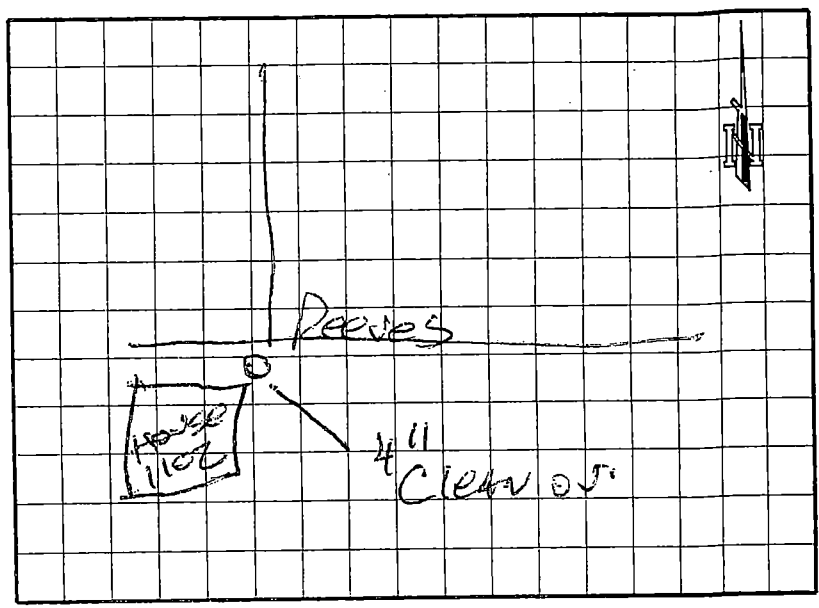
REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK SUB ~~11~~ 11

Subject: Menā Utilities SSES
 Location: 1102 @ Reeves
@ 11th Street
 Area: YARD
 Line No. _____
 Leak No. _____
 Date: 06/26/10 Time: _____
 Inspector: Mike



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

SEVERE OF LEAK	LEAK CHARACTERISTICS	DRAINAGE AREA	COVER OVER LEAK
<input checked="" type="checkbox"/> Heavy <input type="checkbox"/> Moderate <input type="checkbox"/> Light	Ponding Area _____ Size Of Hole <u>4\"/> </u>	<input type="checkbox"/> Pavement <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Roof	<input type="checkbox"/> Conc. Pavement <input type="checkbox"/> Asph. Pavement <input type="checkbox"/> Gravel <input type="checkbox"/> Sidewalk <input checked="" type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____
TYPE OF PROPERTY			
<input checked="" type="checkbox"/> Residence <input type="checkbox"/> Business	<input type="checkbox"/> Apartment <input type="checkbox"/> Trailer Park	<input type="checkbox"/> Vacant Lot <input type="checkbox"/> Other _____	

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

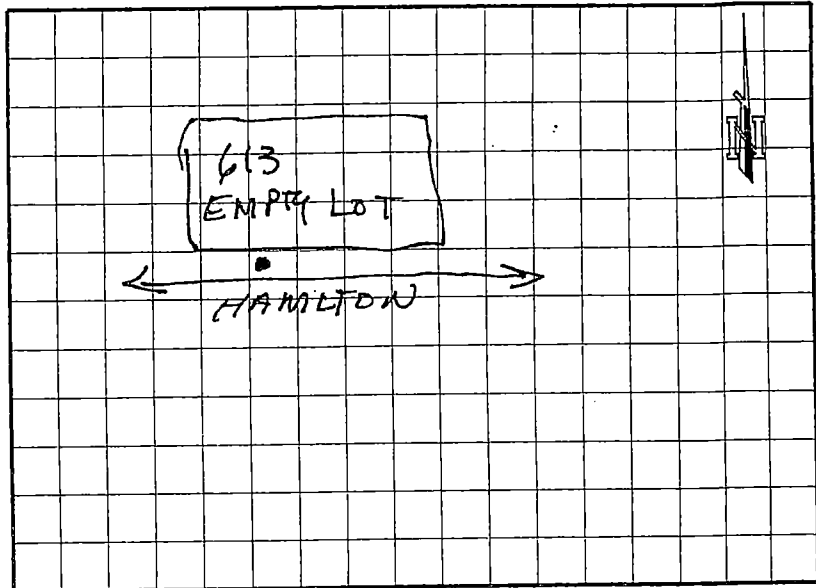
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

11 ~~12~~

Project: Mend Utilities SSES
 Location: 613 HAMILTON
EMPT. LOT. OLD SERVICE.
 Area: FRONT OF OLD SLAB.
 Line No. _____
 Leak No. 10
 Date: 6-22 Time: _____
 Inspector: (PK)



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: OLD CLEAN OUT / BROKE LID.

MEASURED INFLOW (GPD) _____

SEVERE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area 2 sq ft.
 Size Of Hole 4 in
 Potential Head 2 in

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

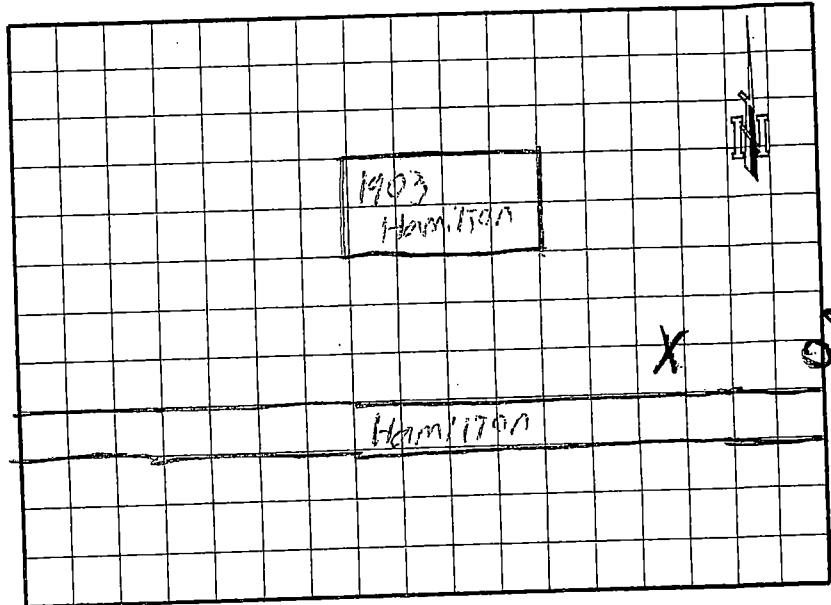
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK



Subject: Mena Utilities SSES
 Location: 1903 Hamilton
Right Front corner of property
 Area:
 Line No.:
 Leak No.: 9
 Date: 6/23/10 Time:
 Inspector: Bodley



RECOMMEND
 Quantification-Testing

DESCRIPTION OF LEAK: Service line broke?

MEASURED INFLOW (GPD)

SEVERE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area 3³ feet
 Size Of Hole
 Potential Head 1"

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other Service line broke?

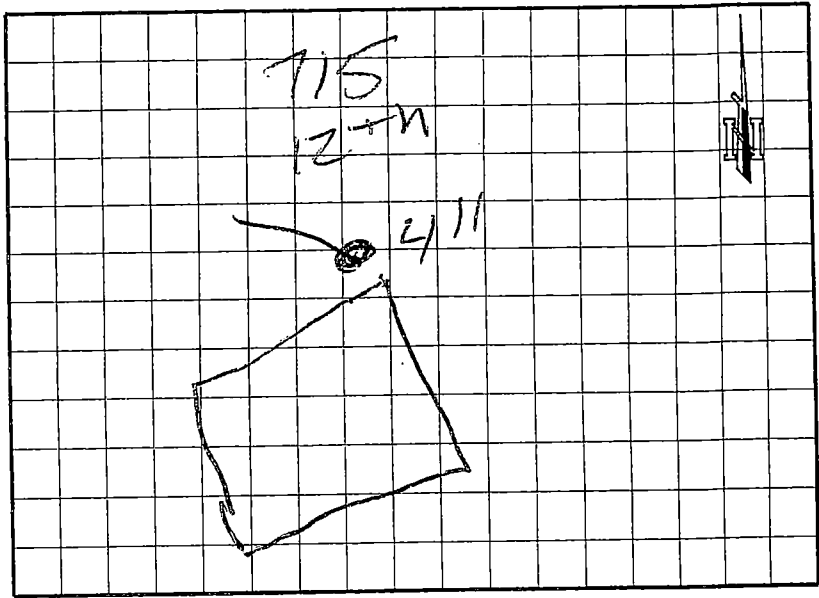
REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make Point Repairs
- RF Replace ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other

ADDITIONAL COMMENTS Pic #3 / 1903 Hamilton
Not deep will dig up by hand to see what it is.

PRIVATE LINE LEAK 11

Subject: Mend Utilities SSES
 Location: 715 Twelfth
 Area: _____
 Line No.: _____
 Leak No.: _____
 Date: 1/25/10 Time: _____
 Inspector: _____



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

GREE OF LEAK	LEAK CHARACTERISTICS	DRAINAGE AREA	COVER OVER LEAK
<input type="checkbox"/> Heavy <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Light	Ponding Area _____ Size Of Hole _____ Potential Head _____	<input type="checkbox"/> Pavement <input type="checkbox"/> Ground <input type="checkbox"/> Roof	<input type="checkbox"/> Conc.Pavement <input type="checkbox"/> Asph.Pavement <input type="checkbox"/> Gravel <input type="checkbox"/> Sidewalk <input type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____
TYPE OF PROPERTY			
<input type="checkbox"/> Residence <input type="checkbox"/> Business	<input type="checkbox"/> Apartment <input type="checkbox"/> Trailer Park	<input type="checkbox"/> Vacant Lot <input type="checkbox"/> Other _____	

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

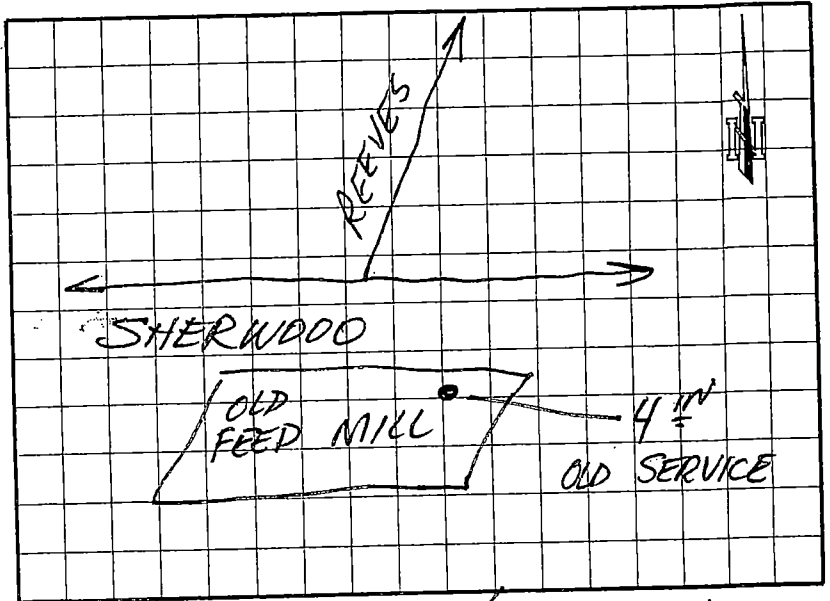
REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS metal cap

PRIVATE LINE LEAK ~~0000~~ 11

Subject: Memor Utilities SSES
 Location: SHERWOOD & REEVES
 Area: _____
 Line No.: _____
 Leak No.: _____
 Date: 6-26-10 Time: _____
 Inspector: GA



RECOMMEND
 Quantification Testing

DESCRIPTION OF LEAK: OLD CLEAN OUT FOR FEED MILL / CASTIRON.

MEASURED INFLOW (GPD) _____

GREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area 6x6
 Size Of Hole 4
 Potential Head 1 to 2 in.

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

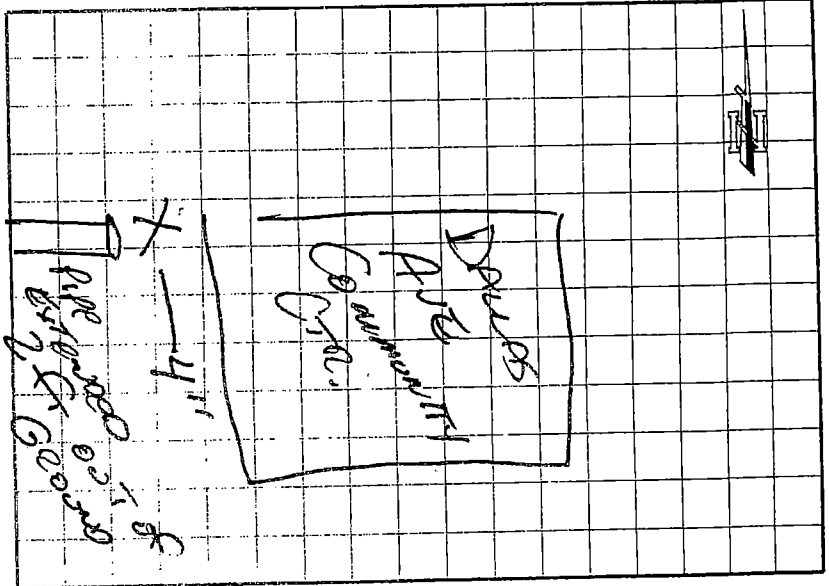
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

#12

Subject: Mend Utilities SSES
 Location: DALLAS AVE
Community CTR
 Area: SECTION 12
 Line No. _____
 Leak No. _____
 Date: JULY 10 Time: _____
 Inspector: MAKE



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

GREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area NO
 Size Of Hole 4"
 Potential Head _____

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other Church

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

12

Subject: Mena Utilities SSES

Location: PETROS E. OF CHERRY

Area: 12

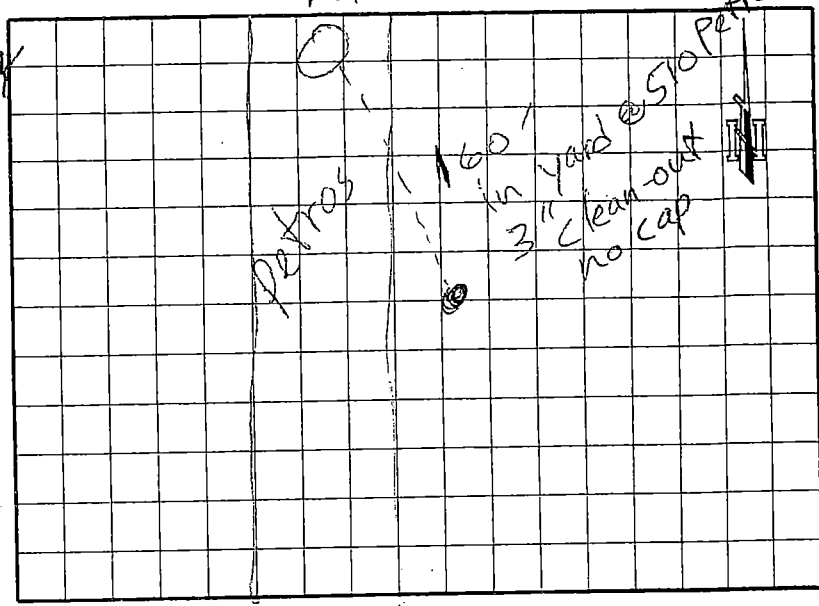
Line No. _____

Leak No. _____

Date: 7 JUL 2010 Time: 1100

Inspector: _____

MH # 296



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

GREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area no
 Size Of Hole 3"
 Potential Head _____

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Apartment
- Vacant Lot
- Business
- Trailer Park
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

12

Subject: Mend Utilities SSES

Location: 411 DALLAS

Area: 12

Line No. _____

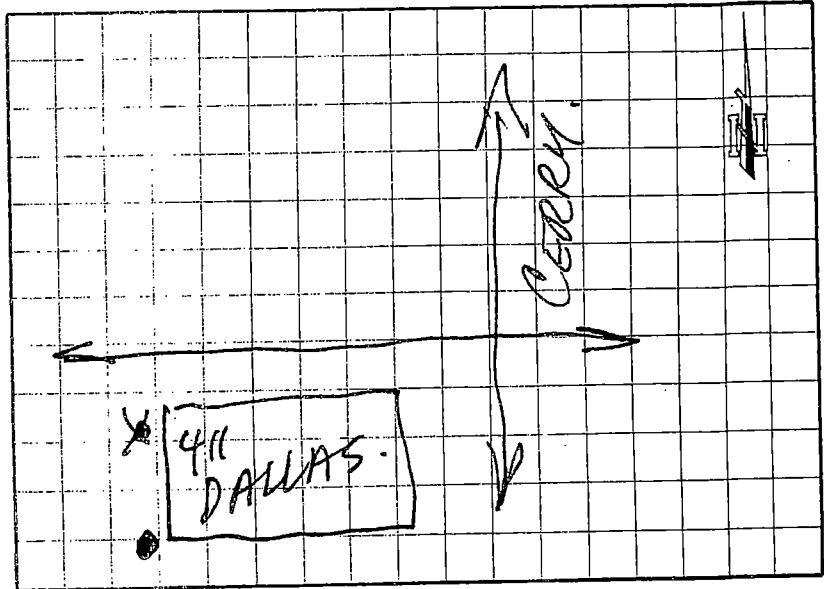
Leak No. _____

Date: 7-2-10 Time: _____

Inspector: BB

RECOMMEND

Quantification Testing



DESCRIPTION OF LEAK: 4" SERVICE NO CLEAN OUT CAP.

MEASURED INFLOW (GPD) _____

SEVERE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area 4'
 Size Of Hole 4"
 Potential Head 3"

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

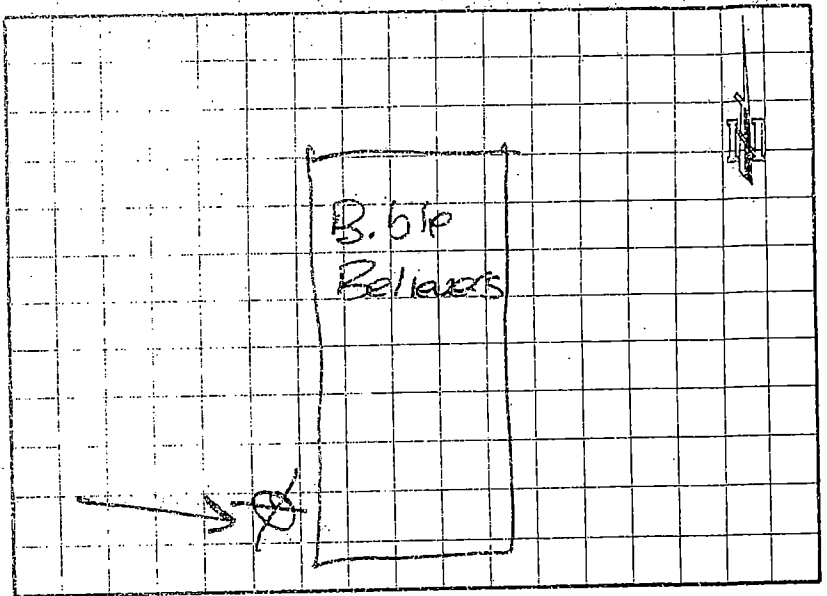
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

12

Subject: Mena Utilities SSES
 Location: Bible Believers Baptist Church
 Area: Cherry + Deardorff
 Line No. _____
 Leak No. _____
 Date: 1/20/10 Time: _____
 Inspector: MIKE



RECOMMEND

Quantification: Testing

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

SEVERE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area NO
 Size Of Hole _____
 Potential Head _____

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other Church

Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

12

Subject: Remed Utilities SSES

Location: 1001 FOREST
SECTION 12

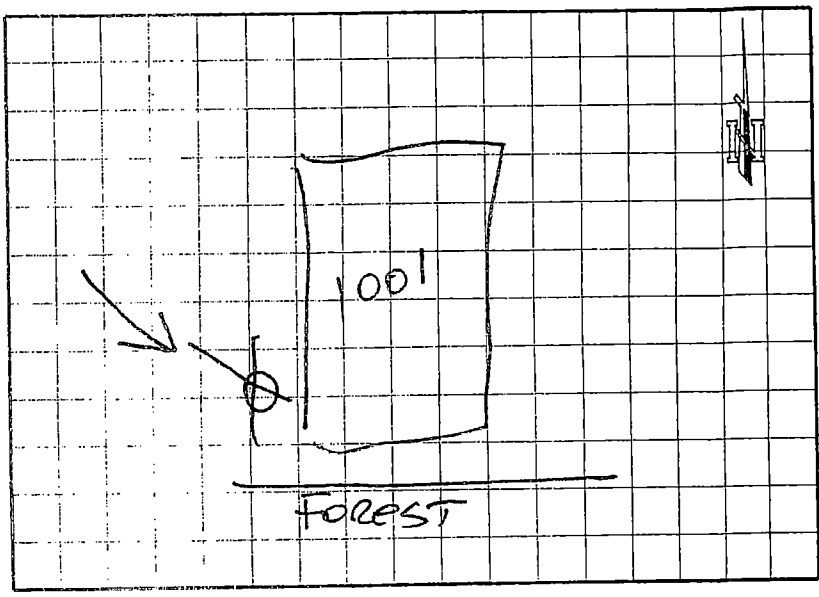
Area: _____

Line No. _____

Leak No. _____

Date: 1/20/10 Time: _____

Inspector: MIKE



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

<u>SEVERE OF LEAK</u>	<u>LEAK CHARACTERISTICS</u>	<u>DRAINAGE AREA</u>	<u>COVER OVER LEAK</u>
<input type="checkbox"/> Heavy <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Light	Ponding Area <u>NO</u> Size Of Hole _____ Potential Head _____	<input type="checkbox"/> Pavement <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Roof	<input type="checkbox"/> Conc.Pavement <input type="checkbox"/> Asph.Pavement <input checked="" type="checkbox"/> Gravel <input type="checkbox"/> Sidewalk <input type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____
<u>TYPE OF PROPERTY</u>			
<input checked="" type="checkbox"/> Residence <input type="checkbox"/> Business	<input type="checkbox"/> Apartment <input type="checkbox"/> Trailer Park	<input type="checkbox"/> Vacant Lot <input type="checkbox"/> Other _____	

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

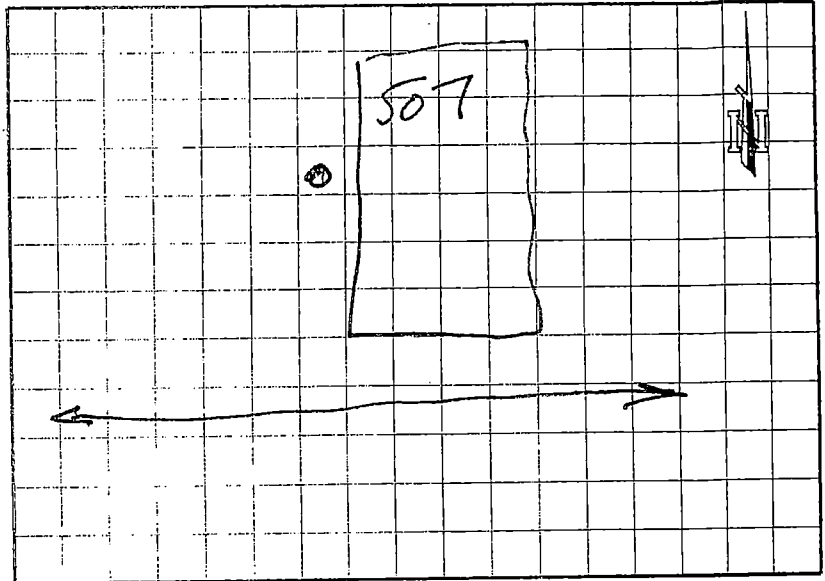
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

12

Subject: Mena Utilities SSES
 Location: 507 FOREST
 Area: 12
 Line No.: _____
 Leak No.: _____
 Date: 7.1.10 Time: _____
 Inspector: (BA)



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: MISS. CLEAN OUT CAP.

MEASURED INFLOW (GPD) _____

GREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area _____
 Size Of Hole: 4
 Potential Head _____

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc.Pavement
- Asph.Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

12

Subject: Mena Utilities SSES

Location: 611 FOREST.

Area: 12

Line No. _____

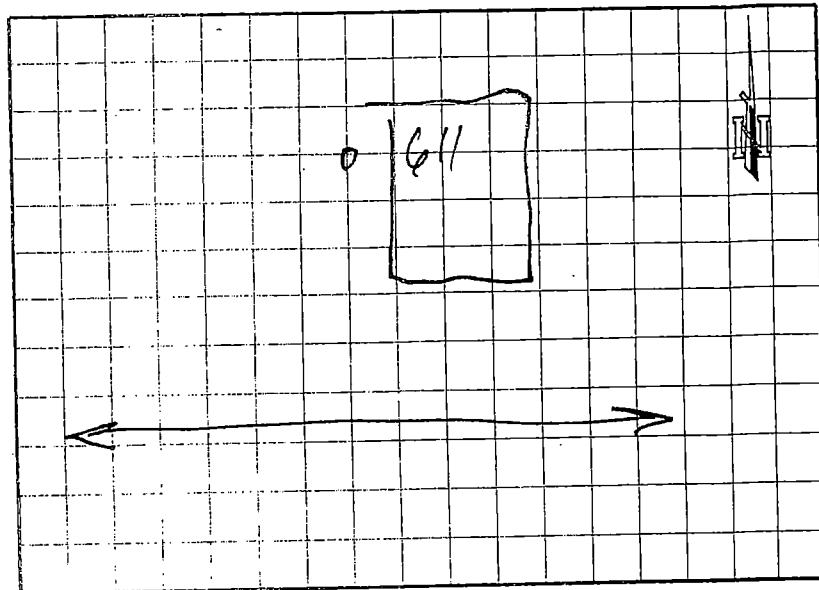
Leak No. _____

Date: 2-1-10 Time: _____

Inspector: [Signature]

RECOMMENDATIONS

Quantification Testing



DESCRIPTION OF LEAK: CLEAN OUT NISS. CAP.

MEASURED INFLOW (GPD) _____

SEVERE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area 377
 Size Of Hole 4
 Potential Head 2"

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

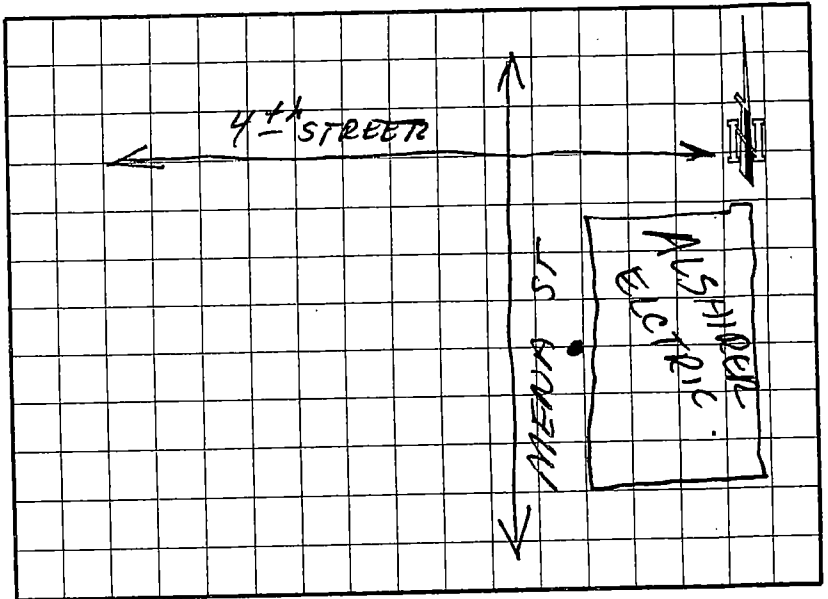
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

12

Project: Mena Utilities SSES
 Location: AUSHIER ELECT.
 Area: Sec. 12.
 Line No. _____
 Leak No. _____
 Date: 7.1.10 Time: _____
 Inspector: (Signature)



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: 4" SERVICE LINE MISS. CLEAN OUT CAP.

MEASURED INFLOW (GPD) _____

SEVERE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area 0
 Size Of Hole 4
 Potential Head 0

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

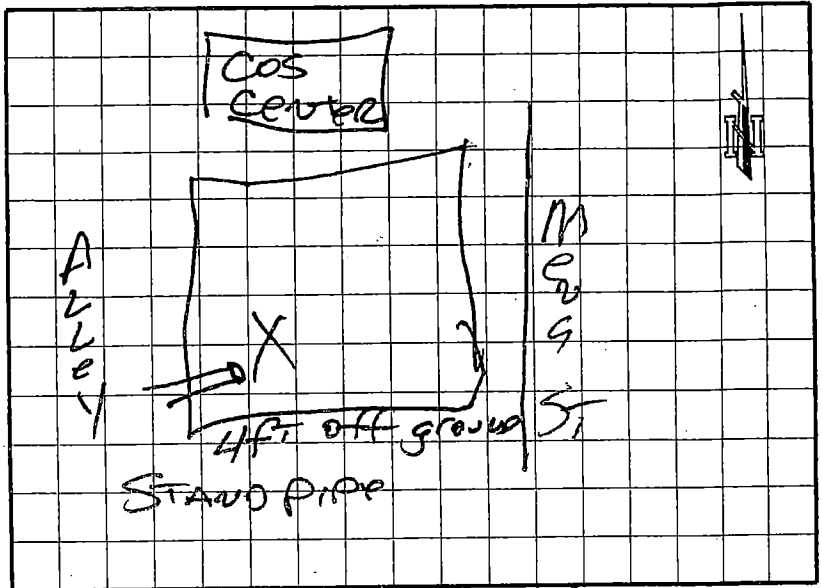
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

12

Subject: Mena Utilities SSES
 Location: Alley @
Old Turner Tire Store
 Area: VACATED
 Line No.: SECTION 12
 Leak No.: _____
 Date: 11/10/10 Time: _____
 Inspector: MIKE



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: STAND PIPE @ building in Alley
WEST of Mena Street building next to
Cosmotology Center
 MEASURED INFLOW (GPD) _____

<u>SEVERE OF LEAK</u>	<u>LEAK CHARACTERISTICS</u>	<u>DRAINAGE AREA</u>	<u>COVER OVER LEAK</u>
<input checked="" type="checkbox"/> Heavy <input type="checkbox"/> Moderate <input type="checkbox"/> Light	Ponding Area _____ Size Of Hole <u>4 1/2"</u> Potential Head _____	<input checked="" type="checkbox"/> Pavement <input type="checkbox"/> Ground <input type="checkbox"/> Roof	<input type="checkbox"/> Conc. Pavement <input type="checkbox"/> Asph. Pavement <input type="checkbox"/> Gravel <input checked="" type="checkbox"/> Sidewalk <input type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____
<u>TYPE OF PROPERTY</u>			
<input checked="" type="checkbox"/> Residence <input type="checkbox"/> Business	<input type="checkbox"/> Apartment <input type="checkbox"/> Trailer Park	<input type="checkbox"/> Vacant Lot <input type="checkbox"/> Other _____	

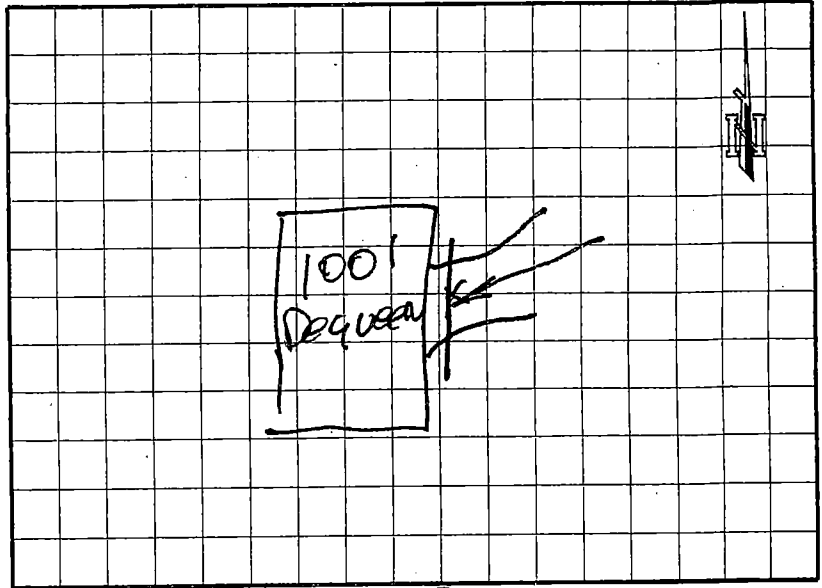
<u>SOURCE OF LEAK</u>	<u>REHABILITATION METHOD</u>
<input type="checkbox"/> CL Clean-out Plug Leaking <input checked="" type="checkbox"/> CM Clean-out Plug Missing/Broken <input type="checkbox"/> CA Clean-out Plug Assembly L/B <input type="checkbox"/> GL Grease Trap Lid Leaking <input type="checkbox"/> GB Grease Trap Lid Broken <input type="checkbox"/> RD Roof/Service drain Connection <input type="checkbox"/> DL Discontinued Private Line <input type="checkbox"/> BL Break (s) Along Line <input type="checkbox"/> SC Ditch/Storm Sewer Crossing <input type="checkbox"/> BM Break At Mainline Tap <input type="checkbox"/> OS Other _____	<input type="checkbox"/> SC Seal Clean-out Plug <input type="checkbox"/> RP Replace Clean-out Plug <input type="checkbox"/> RA Replace Clean-out Plug Assembly <input type="checkbox"/> ST Seal Grease Trap Lid <input type="checkbox"/> RT Grease Trap Lid <input type="checkbox"/> DD Disconnect Drain & Cap Off <input type="checkbox"/> CL Cap Off Line <input type="checkbox"/> PR Make _____ Point Repairs <input type="checkbox"/> RF Replace _____ ft. Of Line <input type="checkbox"/> RC Replace Collar <input type="checkbox"/> RL Replace Grease Trap Lid Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

12

Subject: Mena Utilities SSES
Location: 1001 Dequeen St
Area: SECTION 12
Line No.: _____
Leak No.: _____
Date: 1 July 10 Time: _____
Inspector: Nike



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: Leak in low spot in Driveway

MEASURED INFLOW (GPD) _____

GREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area 6' by 6'
Size Of Hole _____
Potential Head _____

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

Mena Water Utilities
Sanitary Sewer Rehabilitation Program
Private Line Leak Summary

Address / Location	Description of Leak	Degree of Leak
2604 W Church ST.	Clean out missing cap	Moderate
Yammies Rest. HWY 71 South	Clean out plug missing, Break along line	Heavy
2700 Griffith Pard Rd.	Boken.Cap	Moderate
300 N.Polk Rd.	Clean out plug Leaking	Moderate
300 Carder	Clean out plug Leaking	Moderate
Jims Junk HWY. 71 South	Trash and debris on east side of bldg.	Moderate
2707 Griffith St.	Clean out plug Leaking	Heavy
200 S. Polk	Missing clean out cap	Heavy
2632 Ouachita Circle	Cap broken	Light
1006 Kimberly	Clean out plug missing, Broken	Moderate
903 Kimberly	Two leaks in service to main	Heavy
805 Kimberly	Clean out plug leaking	Moderate
914 lakeside	Clean out cap missing	Moderate
1800 Bethes Dr:	Clean out plug missing, Broken	Moderate
between 2702 and 2700 Church St.	Clean out plug missing, Broken	Light
3610, 375 West	Breaks along line	Moderate
2303 Old HWY. 375	Rear of house clean out plug leaking	Moderate
300 Bixler	Clean out plug missing	Light
1809 Amsterdam	Clean out plug missing or broken	Light
1401 Faye	Clean out plug Leaking	Light
Behind old gun shop between Mena and 4th St.	Clean out cap missing	Heavy
Corner of Church and 4th St. Vacant lot	Coverd with old house debris	Moderate
201 Mena St. back of house	Service line Leaking	Light
301 Reine	Cap missing	Light
510 Reine	Cap missing	Light
Infront of 1507 A Church St.	Breaks along line	Heavy
805 10th St.	Clean out plug missing, Break along line	Heavy
1105 Maple	Smoke comeing from meter box in yard	Heavy
711 10th St.	Broke Service line	Heavy
Hickory east of 2nd St.	Clean out plug missing, Break along line	Heavy

Section 2 Martin St. and Alley	Ditch/Storm Sewer crossing	Heavy
4th and Gillam	Smoke from storm drain	Heavy
3rd and Oak St.	smoke coming from creek near 353	Heavy
2201 Missouri	Clean out plug missing	Light
2102 Andreys	Clean out plug leaking	Moderate
306 Gary	Clean out plug Leaking	Moderate
609 Polk	Clean out plug Leaking	Moderate
209 Gary	Clean out plug Leaking	Moderate
602 Gary	Clean out plug Leaking	Moderate
Vacant lot next to 308 Mt. View	Discontinued Private line	Moderate
501 N. Gary	Clean out plug Leaking	Heavy
Warner and Grandview	Clean out plug Leaking	Heavy
208 Violet	Clean out plug Missing	Moderate
510 Warner	Clean out plug missing/large ponding area	Heavy
Across from 608 Warner/ vacant lot	Breaks along line	Heavy
605 Warner	Clean out plug missing/broken	Light
607 Mt. View	Clean out plug missing	Moderate
Eve and Church Empty lot	Clean out plug Leaking	Light
309 Eve St.	Clean out cap Broken	Moderate
208 Eve	Clean out cap missing	Moderate
207 Adams	Clean out cap missing	Moderate
507 Church St.	Clean out cap broken	Light
Lot behind rock house 11th and Hickory	Smoke coming from clean outs	Light
Alley between Mena and 4th St.	smoke coming from old service line	Moderate
1115 Reeves	Clean out cap broken	Moderate
House between Reeves and 11th on Elm	Clean out cap broken	Moderate
1119 Janseen	Clean out cap leaking	Moderate
1114 Maple	Clean out cap missing	Moderate
609 10th St.	Clean out cap missing	Moderate
1102 Reeves at 11th St.	Clean out cap leaking	Heavy
613 Hamilton empty lot old service	Clean out cap Broken	Light
1903 Hamilton	Service line broken	Moderate
715 12th St.	Clean out plug Leaking	Moderate
Old Feed Mill Sherwood and Reeves	Clean out cap broken	Moderate
Dallas Ave. Community Center	Clean out cap broken	Moderate

Petros E. of Cherry	Clean out cap missing	Moderate
111 Dalla	Clean out cap missing	Moderate
Bible Believers Baptist Church	Clean out cap Broken	Moderate
1001 forest	Clean out cap Broken	Moderate
507 Forrest	Clean out cap missing	Light
611 Forrest	Clean out cap Missing	Moderate
Alshier Electric Mena St.	Clean out cap missing	Light
4th And Ally St.	4" service leak breaks along line	Heavy
111 3rd St	Clean out cap missing & breaks along line	Heavy
Alley at Old Turner Tire Store	Clean out cap broken	Moderate
1001 Dequeen St.	Leak in low spot in driveway	Light

76

PRIVATE LINE LEAK

12

Subject: Mena Utilities SSES

Location: _____

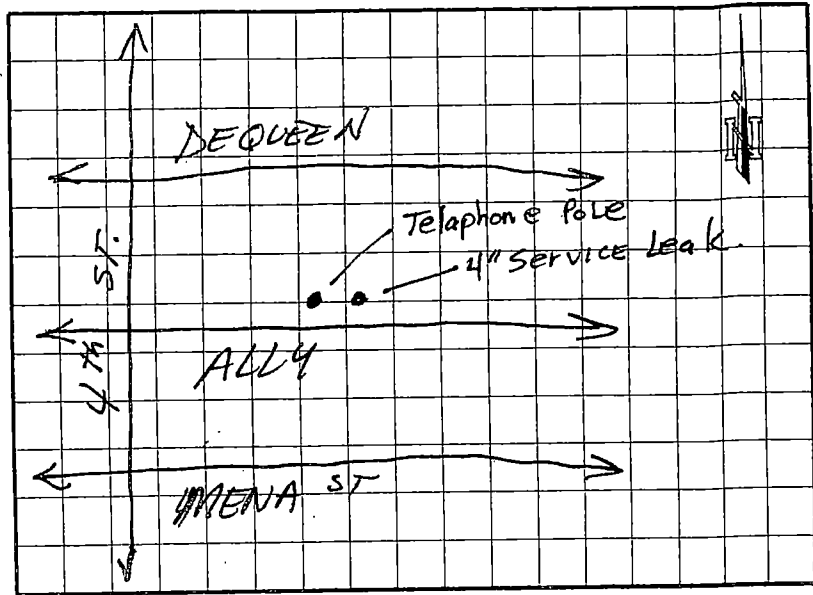
Area: SEC 12

Line No: _____

Leak No: _____

Date: 7-1-10 Time: _____

Inspector: BR



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

SEVERE OF LEAK

LEAK CHARACTERISTICS

DRAINAGE AREA

COVER OVER LEAK

- Heavy
- Moderate
- Light

Ponding Area _____
 Size Of Hole 2"
 Potential Head _____

- Pavement
- Ground DITCH.
- Roof

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

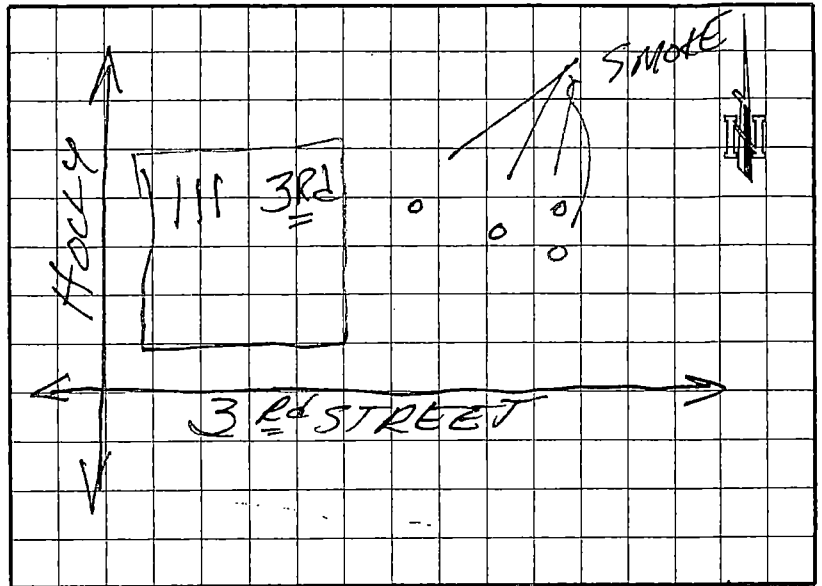
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

12

Project: Mena Utilities SSES
 Location: 111 3rd STREET
 Area: SEC. 12
 Line No.: _____
 Leak No.: _____
 Date: 7-1-10 Time: _____
 Inspector: (Signature)



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: SMOKE COMEING FROM OLD LOT./CLEAN OUT & BUSTED LINE.

MEASURED INFLOW (GPD) _____

<p><u>GREE OF LEAK</u></p> <input checked="" type="checkbox"/> Heavy <input type="checkbox"/> Moderate <input type="checkbox"/> Light	<p><u>LEAK CHARACTERISTICS</u></p> Ponding Area <u>2 ft</u> Size Of Hole _____ Potential Head <u>2"</u>	<p><u>DRAINAGE AREA</u></p> <input type="checkbox"/> Pavement <input type="checkbox"/> Ground <input type="checkbox"/> Roof	<p><u>COVER OVER LEAK</u></p> <input type="checkbox"/> Conc.Pavement <input type="checkbox"/> Asph.Pavement <input type="checkbox"/> Gravel <input type="checkbox"/> Sidewalk <input checked="" type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____
<p><u>TYPE OF PROPERTY</u></p> <input checked="" type="checkbox"/> Residence <input type="checkbox"/> Apartment <input type="checkbox"/> Vacant Lot <input type="checkbox"/> Business <input type="checkbox"/> Trailer Park <input type="checkbox"/> Other _____			

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

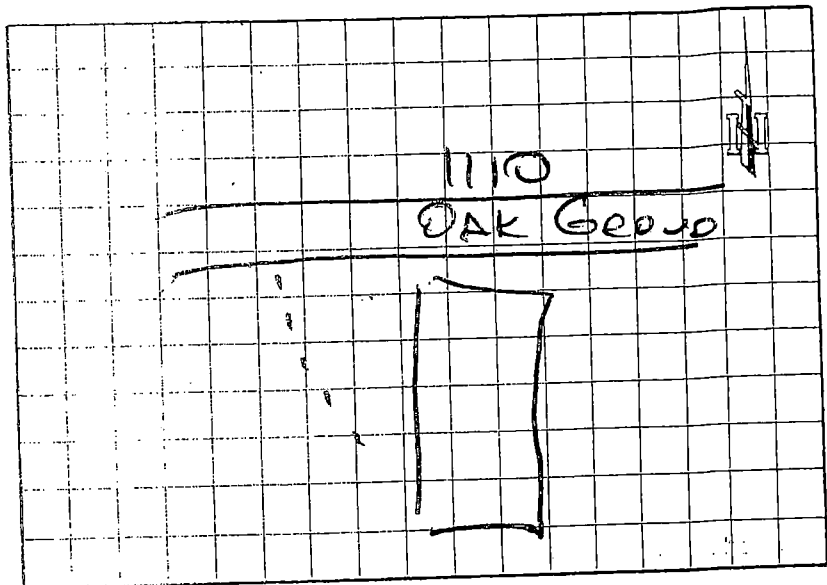
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

11

Subject: Mena Utilities SSES
 Location: 1110 Oak Grove
 Area: U
 Line No. _____
 Leak No. _____
 Date: 10 Aug 10 Time: _____
 Inspector: Mike



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: Entire Sewer Leak in Yo.

MEASURED INFLOW (GPD) _____

SEVERE OF LEAK		LEAK CHARACTERISTICS		DRAINAGE AREA		COVER OVER LEAK														
<input checked="" type="checkbox"/> Heavy	<input type="checkbox"/> Moderate	<input type="checkbox"/> Light	Ponding Area _____	Size Of Hole _____	Potential Head _____	<input type="checkbox"/> Pavement	<input type="checkbox"/> Ground	<input type="checkbox"/> Roof	<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Gravel	<input type="checkbox"/> Sidewalk	<input checked="" type="checkbox"/> Yard/Field	<input type="checkbox"/> Woods	Other _____					
TYPE OF PROPERTY			Residence <input checked="" type="checkbox"/>			Apartment <input type="checkbox"/>			Vacant Lot <input type="checkbox"/>			Business <input type="checkbox"/>			Trailer Park <input type="checkbox"/>			Other _____		

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

26

Subject: Mena Utilities SSES

Location: 134 Polk St

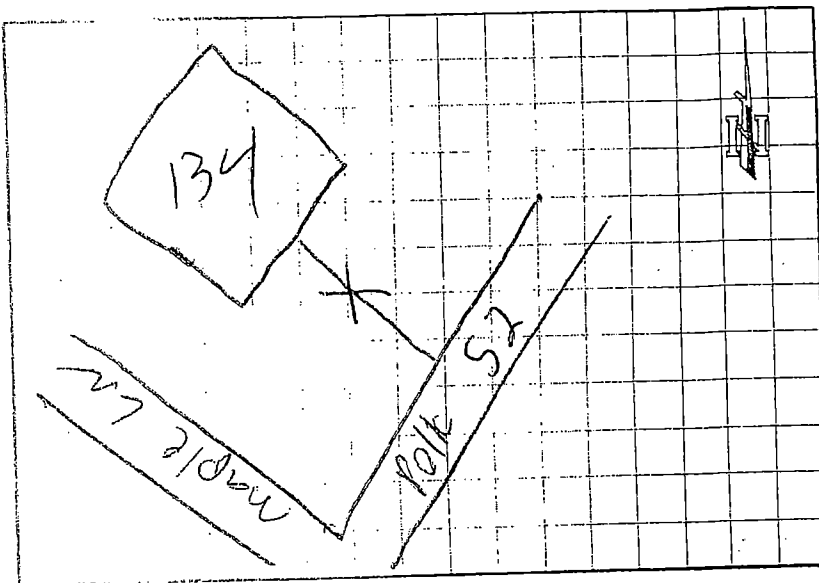
Area: 26

Line No. _____

Leak No. _____

Date: 8/19/19 Time: _____

Inspector: Bodley



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK:

MEASURED INFLOW (GPD):

DEGREE OF LEAK

Heavy
 Moderate
 Light

Heavy
Moderate
Light

LEAK CHARACTERISTICS

Ponding Area 3x3
Size Of Hole 4"
Potential Head 4"

DRAINAGE AREA

Pavement
 Ground
 Roof

COVER OVER LEAK

Conc. Pavement
Asph. Pavement
Gravel
Sidewalk
Yard/Field
Woods

Other _____

TYPE OF PROPERTY

Residence
Business

Apartment
Trailer Park

Vacant
Other

SOURCE OF LEAK

CL Clean-out Plug Leaking
CM Clean-out Plug Missing/Broken
CA Clean-out Plug Assembly L/B
GL Grease Trap Lid Leaking
GB Grease Trap Lid Broken
RD Roof/Service drain Connection
DL Discontinued Private Line
BL Break (s) Along Line
SC Ditch/Storm Sewer Crossing
BM Break At Mainline Tap
OS Other _____

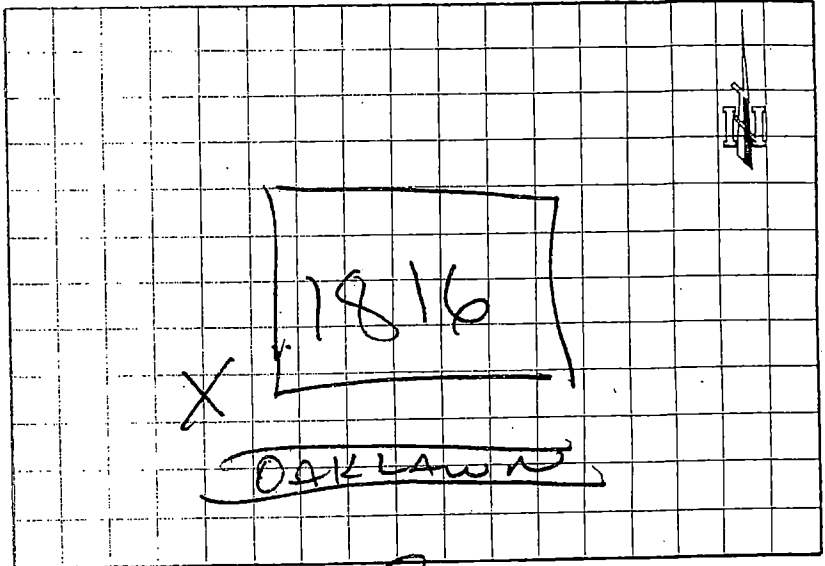
REHABILITATION METHOD

SC Seal Clean-out Plug
RP Replace Clean-out Plug
RA Replace Clean-out Plug Assembly
ST Seal Grease Trap Lid
RT Grease Trap Lid
DD Disconnect Drain & Cap Off
CL Cap Off Line
PR Make _____ Point Repairs
RF Replace _____ ft. Of Line
RC Replace Collar
RL Replace Grease Trap Lid
Other _____

ADDITIONAL COMMENTS

PRIVATE LINE LEAK

Subject: Mena Utilities SSES
 Location: 1816 Oaklawn
 Area: 8
 Line No. _____
 Leak No. _____
 Date: 3/20/10 Time: _____
 Inspector: M. H. H.



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: Clean needs cap

MEASURED INFLOW (GPD) _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

- Ponding Area
- Size Of Hole _____
- Potential Head _____

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

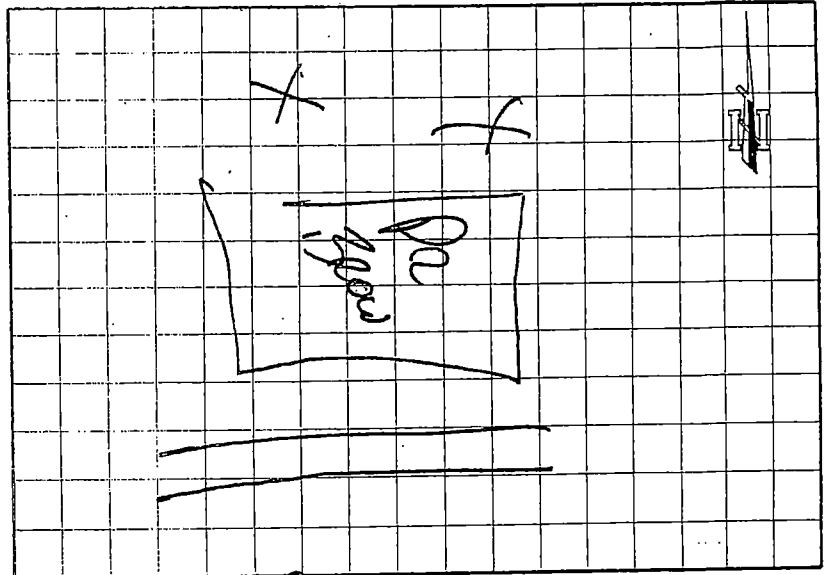
REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

Subject: Mena Utilities SSES
 Location: Hwy 71
Da Browns Office
 Area: 8
 Line No. _____
 Leak No. _____
 Date: 22 Aug 10 Time: _____
 Inspector: Mike



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: 2 Clean North of Buildings

MEASURED INFLOW (GPD) _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area _____
 Size Of Hole: 4
 Potential Head _____

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Apartment
- Vacant Lot
- Business
- Trailer Park
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

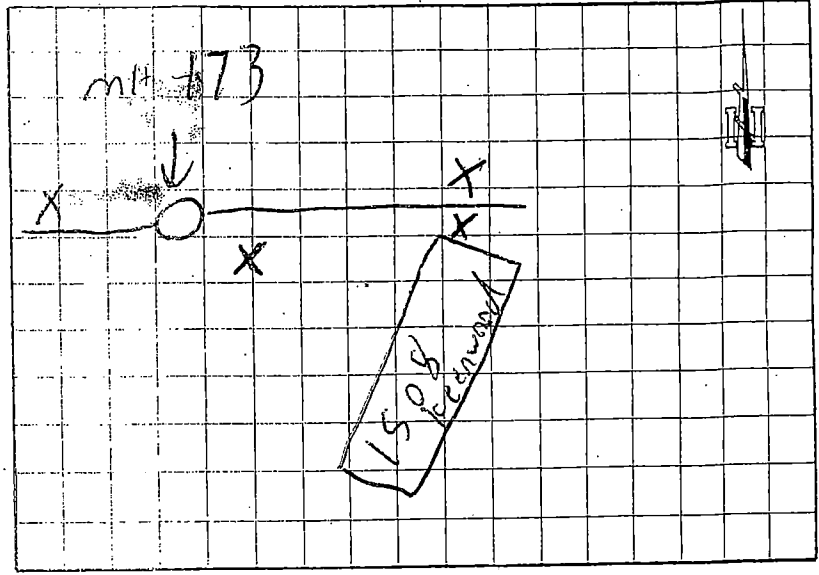
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

7
1

Subject: Mena Utilities SSES
 Location: Mont View Trailer Park
 Area: 8
 Line No. _____
 Leak No. _____
 Date: 8/23/10 Time: _____
 Inspector: Booley



RECOMMEND
 Quantification Testing

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

<u>DEGREE OF LEAK</u>	<u>LEAK CHARACTERISTICS</u>	<u>DRAINAGE AREA</u>	<u>COVER OVER LEAK</u>
<input checked="" type="checkbox"/> Heavy <input type="checkbox"/> Moderate <input type="checkbox"/> Light	Ponding Area <u>multiple</u> Size Of Hole <u>4" x 4"</u> Potential Head _____	<input type="checkbox"/> Pavement <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Roof	<input type="checkbox"/> Conc. Pavement <input type="checkbox"/> Asph. Pavement <input type="checkbox"/> Gravel <input type="checkbox"/> Sidewalk <input checked="" type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____
<u>TYPE OF PROPERTY</u>			
<input type="checkbox"/> Residence <input type="checkbox"/> Business	<input type="checkbox"/> Apartment <input type="checkbox"/> Trailer Park	<input type="checkbox"/> Vacant Lot <input type="checkbox"/> Other _____	

<u>SOURCE OF LEAK</u>	<u>REHABILITATION METHOD</u>
<input type="checkbox"/> CL Clean-out Plug Leaking <input checked="" type="checkbox"/> CM Clean-out Plug Missing/Broken <input type="checkbox"/> CA Clean-out Plug Assembly L/B <input type="checkbox"/> GL Grease Trap Lid Leaking <input type="checkbox"/> GB Grease Trap Lid Broken <input type="checkbox"/> RD Roof/Service drain Connection <input type="checkbox"/> DL Discontinued Private Line <input type="checkbox"/> BL Break (s) Along Line <input type="checkbox"/> SC Ditch/Storm Sewer Crossing <input type="checkbox"/> BM Break At Mainline Tap <input type="checkbox"/> OS Other _____	<input type="checkbox"/> SC Seal Clean-out Plug <input type="checkbox"/> RP Replace Clean-out Plug <input type="checkbox"/> RA Replace Clean-out Plug Assembly <input type="checkbox"/> ST Seal Grease Trap Lid <input type="checkbox"/> RT Grease Trap Lid <input type="checkbox"/> DD Disconnect Drain & Cap Off <input type="checkbox"/> CL Cap Off Line <input type="checkbox"/> PR Make _____ Point Repairs <input type="checkbox"/> RF Replace _____ ft. Of Line <input type="checkbox"/> RC Replace Collar <input type="checkbox"/> RL Replace Grease Trap Lid Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

7

Project: Mena Utilities SSES

Location: 105 Church St

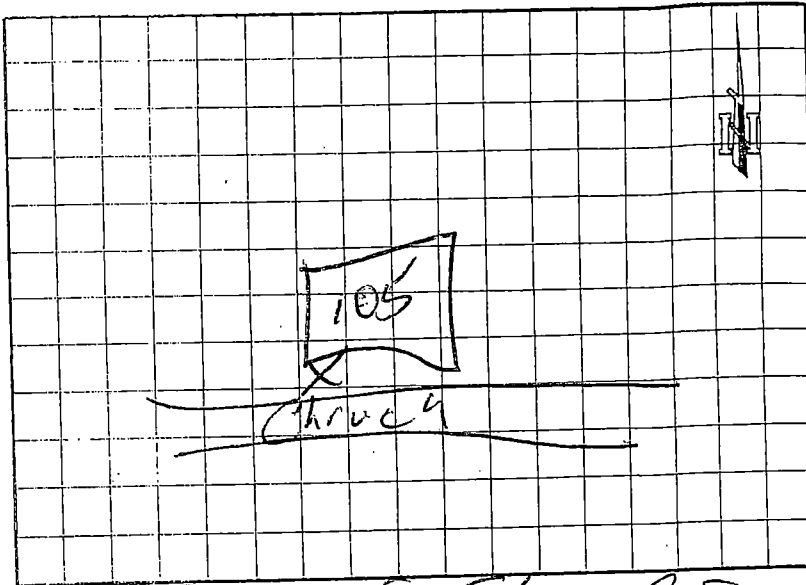
Area: 7

Line No. _____

Leak No. _____

Date: 1/8/10 Time: _____

Inspector: Mike



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: Clean out @ Base of S/W Pipes of House

MEASURED INFLOW (GPD) _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

- Ponding Area
- Size Of Hole _____
- Potential Head _____

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc.Pavement
- Asph.Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

7

Subject: Mena Utilities SSES

Location: 900 15th Street

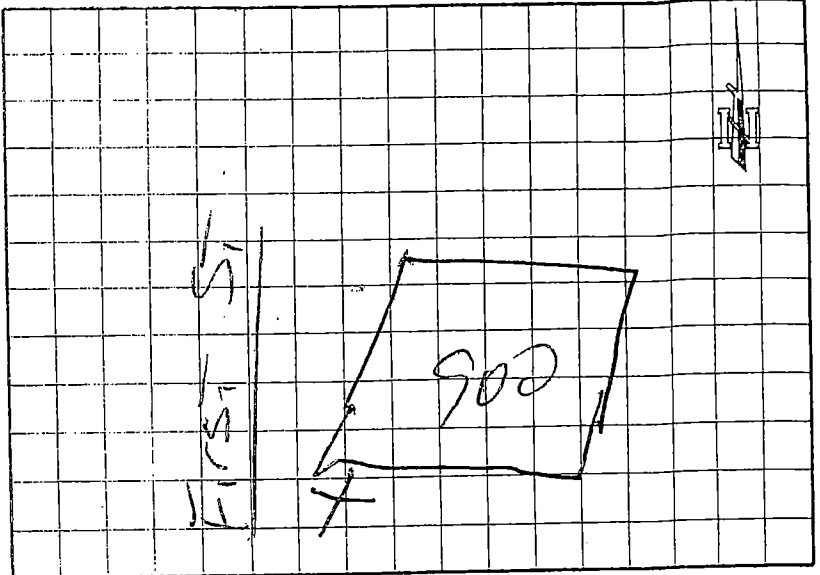
Area: 7

Line No. _____

Leak No. _____

Date: 18 July 20 Time: _____

Inspector: Mike



RECOMMEND
Quantification Testing

DESCRIPTION OF LEAK: 4" Clean out Broken

MEASURED INFLOW (GPD) _____

<u>DEGREE OF LEAK</u>		<u>LEAK CHARACTERISTICS</u>		<u>DRAINAGE AREA</u>		<u>COVER OVER LEAK</u>	
<input checked="" type="checkbox"/> Heavy	<input type="checkbox"/> Moderate	<input checked="" type="checkbox"/> Ponding Area	<input type="checkbox"/> Size Of Hole	<input type="checkbox"/> Pavement	<input checked="" type="checkbox"/> Ground	<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Asph. Pavement
<input type="checkbox"/> Light		<input type="checkbox"/> Potential Head		<input type="checkbox"/> Roof		<input checked="" type="checkbox"/> Gravel	<input type="checkbox"/> Sidewalk
<u>TYPE OF PROPERTY</u>				<u>Other</u> _____			
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Business	<input type="checkbox"/> Apartment	<input type="checkbox"/> Trailer Park	<input type="checkbox"/> Vacant Lot	<input type="checkbox"/> Other	<input type="checkbox"/> Yard/Field	<input type="checkbox"/> Woods

<u>SOURCE OF LEAK</u>		<u>REHABILITATION METHOD</u>	
<input checked="" type="checkbox"/> CL Clean-out Plug Leaking	<input type="checkbox"/> RP Replace Clean-out Plug	<input type="checkbox"/> SC Seal Clean-out Plug	<input type="checkbox"/> RA Replace Clean-out Plug Assembly
<input checked="" type="checkbox"/> CM Clean-out Plug Missing/Broken	<input type="checkbox"/> ST Seal Grease Trap Lid	<input type="checkbox"/> RT Grease Trap Lid	<input type="checkbox"/> DD Disconnect Drain & Cap Off
<input type="checkbox"/> CA Clean-out Plug Assembly L/B	<input type="checkbox"/> CL Cap Off Line	<input type="checkbox"/> PR Make _____ Point Repairs	<input type="checkbox"/> RF Replace _____ ft. Of Line
<input type="checkbox"/> GL Grease Trap Lid Leaking	<input type="checkbox"/> RC Replace Collar	<input type="checkbox"/> RL Replace Grease Trap Lid	<input type="checkbox"/> Other _____
<input type="checkbox"/> GB Grease Trap Lid Broken			
<input type="checkbox"/> RD Roof/Service drain Connection			
<input type="checkbox"/> DL Discontinued Private Line			
<input type="checkbox"/> BL Break (s) Along Line			
<input type="checkbox"/> SC Ditch/Storm Sewer Crossing			
<input type="checkbox"/> BM Break At Mainline Tap			
<input type="checkbox"/> OS Other _____			

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

7

Subject: Mena Utilities, SSES

Location: 409 Cheery St

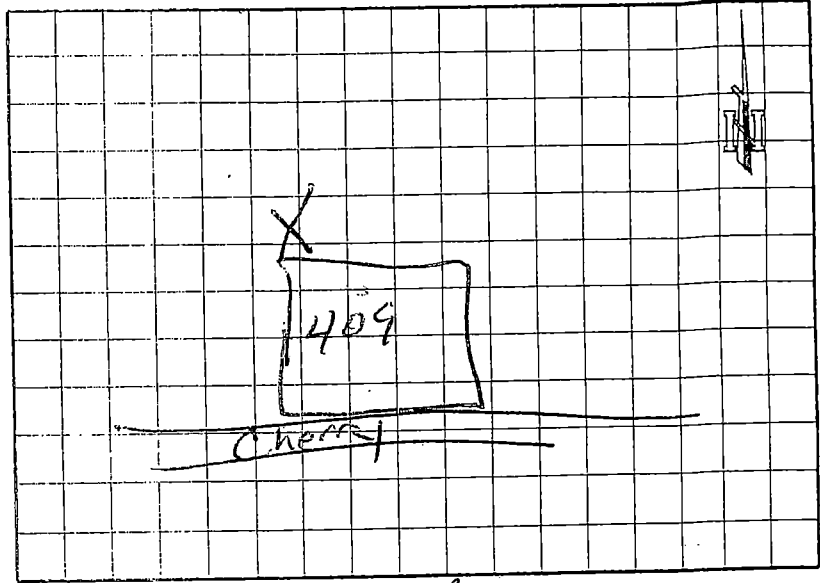
Area: 7

Line No. _____

Leak No. _____

Date: 18 Aug 10 Time: _____

Inspector: Mike



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: Private Line Leak Behind on NW Corner of House

MEASURED INFLOW (GPD) _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

- Ponding Area
- Size Of Hole _____
- Potential Head _____

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

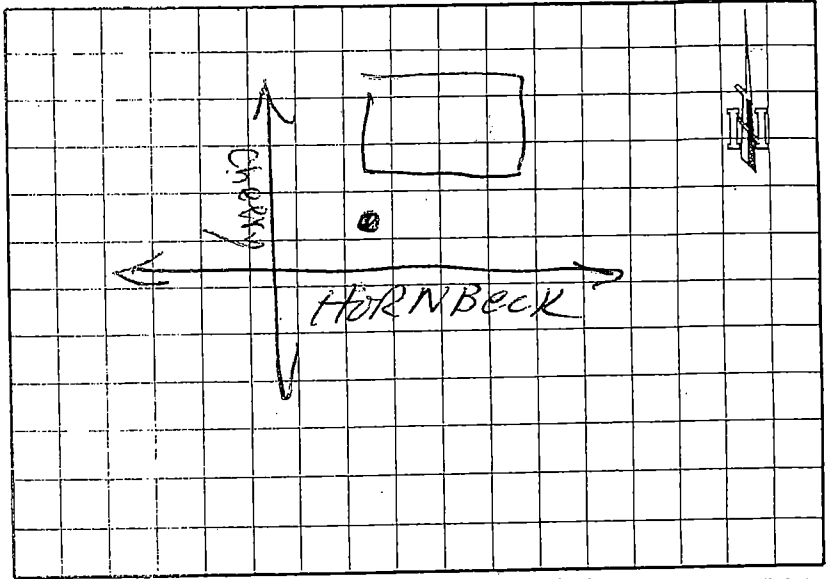
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

7

Subject: Mena Utilities SSES
 Location: Cheery & Hornbeck
 Area: 7
 Line No. _____
 Leak No. _____
 Date: 1/8/10 Time: _____
 Inspector: [Signature]



RECOMMEND
 Quantification Testing

DESCRIPTION OF LEAK: SMOKE COMING FROM WEST. ARK. COUNSELING

MEASURED INFLOW (GPD) _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area 10'
 Size Of Hole 3"
 Potential Head 3"

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

7

Subject: Mena Utilities, SSES

Location: Howa Beck Forest Service Work CTR

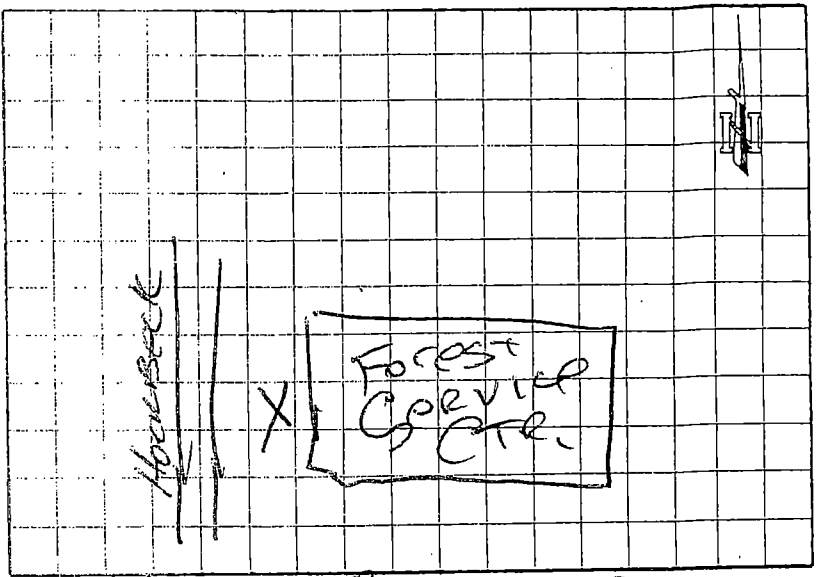
Area: 7

Line No. _____

Leak No. _____

Date: _____ Time: _____

Inspector: Mike



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: 4" in yard of Service CTR

MEASURED INFLOW (GPD) _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

- Ponding Area
- Size Of Hole _____
- Potential Head _____

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

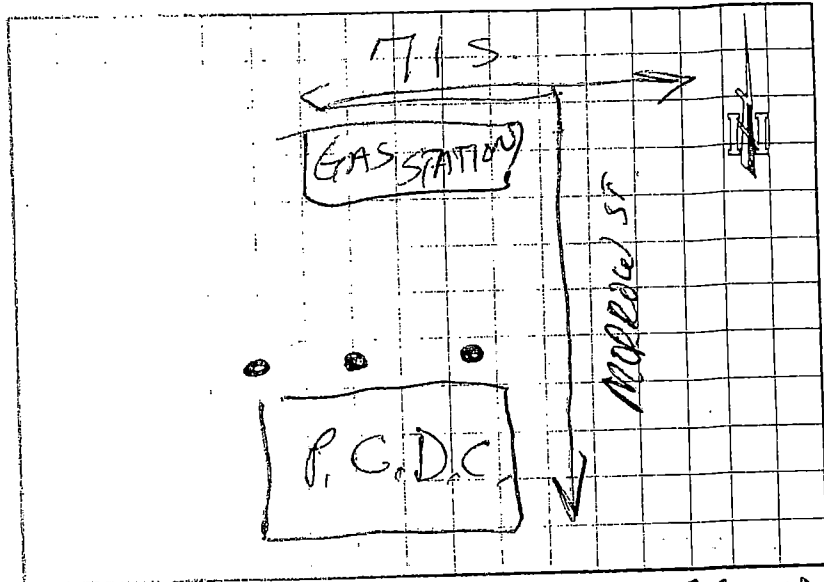
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

7

Subject: Mena Utilities SSES
 Location: MORROW ST.
@ P.C.D.C.
 Area: 7
 Line No. _____
 Leak No. _____
 Date: 8/10 Time: _____
 Inspector: BK



RECOMMEND
 Quantification Testing

DESCRIPTION OF LEAK: 3 4" SERVICE LINE STUBB OUTS UNDER GROUND
Level NO CAP/CATCHING DITCH H₂O & RUN OFF FROM ROOF OF
Building
 MEASURED INFLOW (GPD) _____

<u>SEVERE OF LEAK</u>	<u>LEAK CHARACTERISTICS</u>	<u>DRAINAGE AREA</u>	<u>COVER OVER LEAK</u>
<input checked="" type="checkbox"/> Heavy <input type="checkbox"/> Moderate <input type="checkbox"/> Light	Ponding Area <u>2'</u> Size Of Hole <u>4x3</u> Potential Head <u>2'??</u>	<input checked="" type="checkbox"/> Pavement <input type="checkbox"/> Ground <input type="checkbox"/> Roof	<input type="checkbox"/> Conc. Pavement <input type="checkbox"/> Asph. Pavement <input type="checkbox"/> Gravel <input type="checkbox"/> Sidewalk <input checked="" type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____
<u>TYPE OF PROPERTY</u>			
<input checked="" type="checkbox"/> Residence <input checked="" type="checkbox"/> Business	<input type="checkbox"/> Apartment <input type="checkbox"/> Trailer Park	<input type="checkbox"/> Vacant Lot <input type="checkbox"/> Other	

<u>SOURCE OF LEAK</u>	<u>REHABILITATION METHOD</u>
<input checked="" type="checkbox"/> CL Clean-out Plug Leaking <input type="checkbox"/> CM Clean-out Plug Missing/Broken <input type="checkbox"/> CA Clean-out Plug Assembly L/B <input type="checkbox"/> GL Grease Trap Lid Leaking <input type="checkbox"/> GB Grease Trap Lid Broken <input type="checkbox"/> RD Roof/Service drain Connection <input type="checkbox"/> DL Discontinued Private Line <input type="checkbox"/> BL Break (s) Along Line <input type="checkbox"/> SC Ditch/Storm Sewer Crossing <input type="checkbox"/> BM Break At Mainline Tap <input type="checkbox"/> OS Other _____	<input type="checkbox"/> SC Seal Clean-out Plug <input type="checkbox"/> RP Replace Clean-out Plug <input type="checkbox"/> RA Replace Clean-out Plug Assembly <input type="checkbox"/> ST Seal Grease Trap Lid <input type="checkbox"/> RT Grease Trap Lid <input type="checkbox"/> DD Disconnect Drain & Cap Off <input type="checkbox"/> CL Cap Off Line <input type="checkbox"/> PR Make _____ Point Repairs <input type="checkbox"/> RF Replace _____ ft. Of Line <input type="checkbox"/> RC Replace Collar <input type="checkbox"/> RL Replace Grease Trap Lid <input type="checkbox"/> Other _____

ADDITIONAL COMMENTS Big INJ.

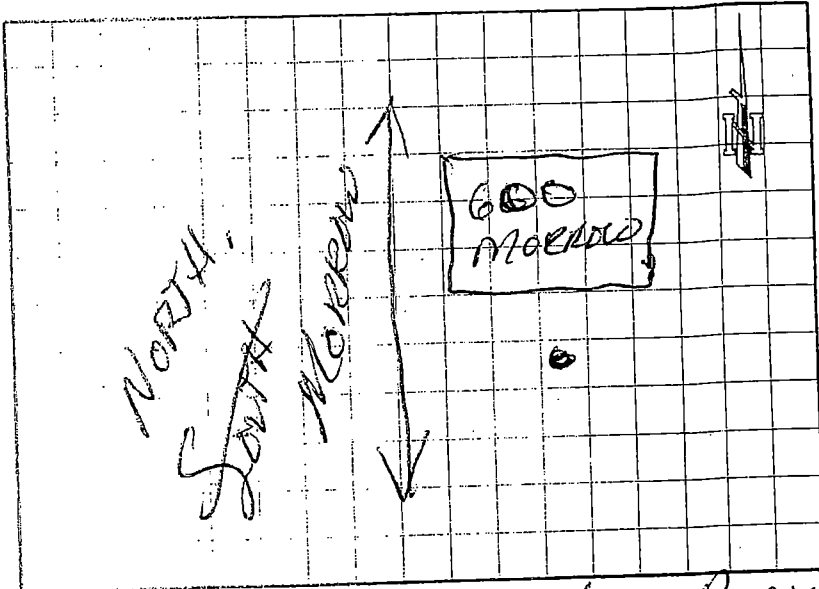
XXXXX

PRIVATE LINE LEAK



Subject: Mena Utilities SSES
Location: ~~600~~ LEDD MORROW

Area: 7
Line No. _____
Leak No. _____
Date: 8/10 Time: _____
Inspector: (BA)



RECOMMEND
Quantification Testing

DESCRIPTION OF LEAK: 4" CAP MISS. DRAINAGE IS HOLE PARKING LOT.

MEASURED INFLOW (GPD) _____

<u>SEVERE OF LEAK</u>	<u>LEAK CHARACTERISTICS</u>	<u>DRAINAGE AREA</u>	<u>COVER OVER LEAK</u>
<input checked="" type="checkbox"/> Heavy <input type="checkbox"/> Moderate <input type="checkbox"/> Light	Ponding Area _____ Size Of Hole <u>4"</u> Potential Head <u>3"</u>	<input checked="" type="checkbox"/> Pavement <input type="checkbox"/> Ground <input type="checkbox"/> Roof	<input type="checkbox"/> Conc. Pavement <input type="checkbox"/> Asph. Pavement <input type="checkbox"/> Gravel <input type="checkbox"/> Sidewalk <input checked="" type="checkbox"/> Yard/Field <input type="checkbox"/> Woods
<u>TYPE OF PROPERTY</u>			
<input checked="" type="checkbox"/> Residence <input type="checkbox"/> Business	<input type="checkbox"/> Apartment <input type="checkbox"/> Trailer Park	<input type="checkbox"/> Vacant Lot <input type="checkbox"/> Other	<input type="checkbox"/> Other _____

Besides PARKING LOT.

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

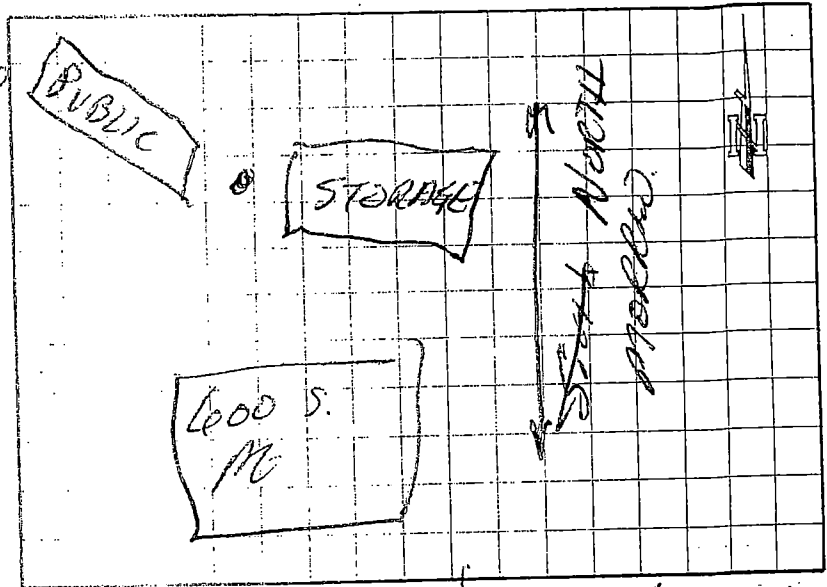
ADDITIONAL COMMENTS _____

XXXXX

PRIVATE LINE LEAK

7

Subject: Mena Utilities SSES
 Location: IN FRONT OF 600 MADRWA
@ PUBLIC STORAGE
 Area: 7
 Line No. _____
 Leak No. _____
 Date: 8/10 Time: _____
 Inspector: BR



RECOMMEND
 Quantification Testing

DESCRIPTION OF LEAK: 4" SERVICE WITH BROKE 4" & MISSING CLEAN
OUT CAP. DRAINAGE AREA IS A PARKING
LOT.

MEASURED INFLOW (GPD) _____

- SEVERE OF LEAK
- Heavy
 - Moderate
 - Light

- LEAK CHARACTERISTICS
- Ponding Area 5'
 - Size Of Hole 4"
 - Potential Head _____

- DRAINAGE AREA
- Pavement
 - Ground
 - Roof

- COVER OVER LEAK
- Conc. Pavement
 - Asph. Pavement
 - Gravel
 - Sidewalk
 - Yard/Field
 - Woods
 - Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

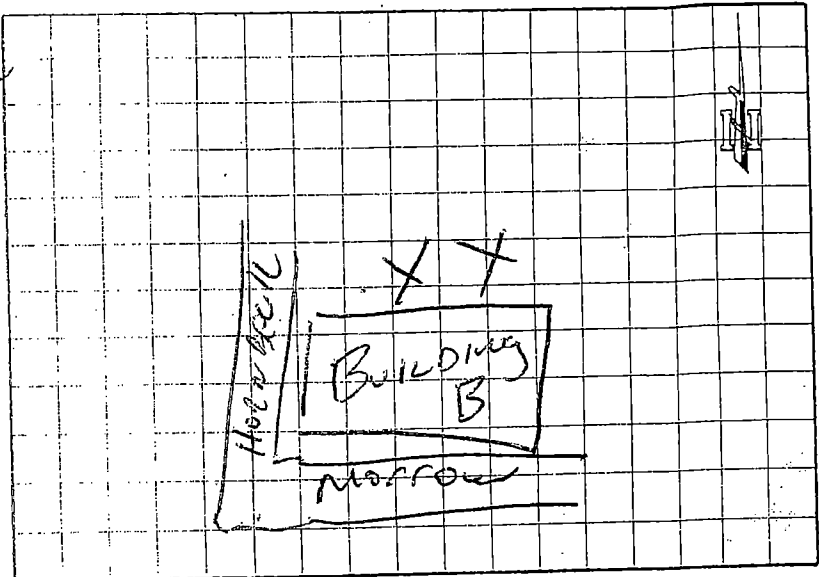
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

7

Subject: Mena Utilities SSES
 Location: Hornbeck + Morrow
 Area: 7
 Line No. _____
 Leak No. _____
 Date: _____ Time: _____
 Inspector: Mike



RECOMMEND
 Quantification Testing

DESCRIPTION OF LEAK: 2 2 1/2" CLEAN OUTS BEHIND
APT BUILDING B
 MEASURED INFLOW (GPD) _____

<u>DEGREE OF LEAK</u>	<u>LEAK CHARACTERISTICS</u>	<u>DRAINAGE AREA</u>	<u>COVER OVER LEAK</u>
<input type="checkbox"/> Heavy <input checked="" type="checkbox"/> Moderate <input checked="" type="checkbox"/> Light	Ponding Area _____ Size Of Hole: <u>4 1/2"</u> Potential Head _____	<input type="checkbox"/> Pavement <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Roof	<input type="checkbox"/> Conc.Pavement <input type="checkbox"/> Asph.Pavement <input checked="" type="checkbox"/> Gravel <input type="checkbox"/> Sidewalk <input type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____
<u>TYPE OF PROPERTY</u>			
<input type="checkbox"/> Residence <input type="checkbox"/> Business	<input checked="" type="checkbox"/> Apartment <input type="checkbox"/> Trailer Park	<input type="checkbox"/> Vacant Lot <input type="checkbox"/> Other _____	

<u>SOURCE OF LEAK</u>	<u>REHABILITATION METHOD</u>
<input checked="" type="checkbox"/> CL Clean-out Plug Leaking <input checked="" type="checkbox"/> CM Clean-out Plug Missing/Broken <input type="checkbox"/> CA Clean-out Plug Assembly L/B <input type="checkbox"/> GL Grease Trap Lid Leaking <input type="checkbox"/> GB Grease Trap Lid Broken <input type="checkbox"/> RD Roof/Service drain Connection <input type="checkbox"/> DL Discontinued Private Line <input type="checkbox"/> BL Break (s) Along Line <input type="checkbox"/> SC Ditch/Storm Sewer Crossing <input type="checkbox"/> BM Break At Mainline Tap <input type="checkbox"/> OS Other _____	<input checked="" type="checkbox"/> SC Seal Clean-out Plug <input type="checkbox"/> RP Replace Clean-out Plug <input type="checkbox"/> RA Replace Clean-out Plug Assembly <input type="checkbox"/> ST Seal Grease Trap Lid <input type="checkbox"/> RT Grease Trap Lid <input type="checkbox"/> DD Disconnect Drain & Cap Off <input type="checkbox"/> CL Cap Off Line <input type="checkbox"/> PR Make _____ Point Repairs <input type="checkbox"/> RF Replace _____ ft. Of Line <input type="checkbox"/> RC Replace Collar <input type="checkbox"/> RL Replace Grease Trap Lid Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

23

Subject: Mena Utilities, SSES

Location: Heavenly Falls

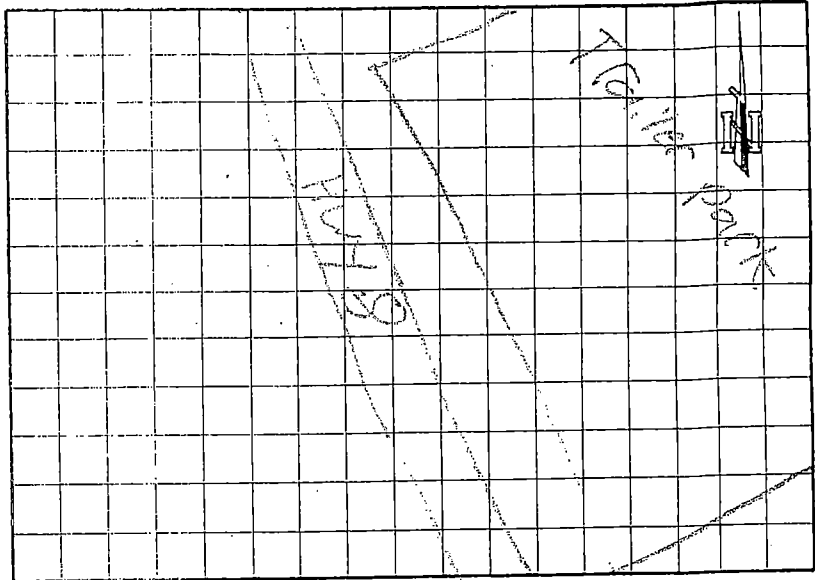
Area: 23

Line No. _____

Leak No. _____

Date: _____ Time: _____

Inspector: _____



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: multiple (broken) caps buried

MEASURED INFLOW (GPD) _____

<u>SEVERE OF LEAK</u>		<u>LEAK CHARACTERISTICS</u>		<u>DRAINAGE AREA</u>		<u>COVER OVER LEAK</u>									
<input checked="" type="checkbox"/> Heavy	<input type="checkbox"/> Moderate	<input type="checkbox"/> Light	Ponding Area _____	Size Of Hole _____	Potential Head _____	<input type="checkbox"/> Pavement	<input type="checkbox"/> Ground	<input type="checkbox"/> Roof	<input type="checkbox"/> Conc.Pavement	<input type="checkbox"/> Asph.Pavement	<input type="checkbox"/> Gravel	<input type="checkbox"/> Sidewalk	<input type="checkbox"/> Yard/Field	<input type="checkbox"/> Woods	Other _____
<u>TYPE OF PROPERTY</u>															
<input type="checkbox"/> Residence	<input type="checkbox"/> Business	<input type="checkbox"/> Apartment	<input type="checkbox"/> Trailer Park	<input type="checkbox"/> Vacant Lot	<input type="checkbox"/> Other _____										

<u>SOURCE OF LEAK</u>		<u>REHABILITATION METHOD</u>																				
<input checked="" type="checkbox"/> CL Clean-out Plug Leaking	<input checked="" type="checkbox"/> CM Clean-out Plug Missing/Broken	<input checked="" type="checkbox"/> CA Clean-out Plug Assembly L/B	<input type="checkbox"/> GL Grease Trap Lid Leaking	<input type="checkbox"/> GB Grease Trap Lid Broken	<input type="checkbox"/> RD Roof/Service drain Connection	<input type="checkbox"/> DL Discontinued Private Line	<input type="checkbox"/> BL Break (s) Along Line	<input type="checkbox"/> SC Ditch/Storm Sewer Crossing	<input type="checkbox"/> BM Break At Mainline Tap	<input type="checkbox"/> OS Other _____	<input type="checkbox"/> SC Seal Clean-out Plug	<input type="checkbox"/> RP Replace Clean-out Plug	<input type="checkbox"/> RA Replace Clean-out Plug Assembly	<input type="checkbox"/> ST Seal Grease Trap Lid	<input type="checkbox"/> RT Grease Trap Lid	<input type="checkbox"/> DD Disconnect Drain & Cap Off	<input type="checkbox"/> CL Cap Off Line	<input type="checkbox"/> PR Make _____ Point Repairs	<input type="checkbox"/> RF Replace _____ ft. Of Line	<input type="checkbox"/> RC Replace Collar	<input type="checkbox"/> RL Replace Grease Trap Lid	Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

7

Subject: Mena Utilities SSES

Location: TRAILER PARK @ HWY 1

Area: 8 EAST HAS TO MANY

Leak No: UNUSED 4" SERVICE TO

Date: _____ Time: _____
Inspector: _____
RECOMMEND
Quantification Testing
DESCRIPTION OF LEAK: COUNT. OWNER OF

MEASURED INFLOW (GPD) _____
SOURCE OF LEAK _____ LEAK CHARACTERISTICS _____ DRAINAGE AREA _____ COVER OVER LEAK _____
TRAILER PARK NEEDS

TO BE NOTIFIED &
REPAIRED. ASAP.

TYPE OF PROPERTY
 Heavy Pending Area
 Moderate Size Of Hole
 Light Potential Head
 Residence Apartment Vacant Lot
 Business Trailer Park Other
Pavement Conc. Pavement
 Concrete Asph. Pavement
 Road Grave
 Yard/Field
 Woods
REHABILITATION METHOD

- SOURCE OF LEAK
- CL Clean-out Plug Leaking
 - CM Clean-out Plug Missing/Broken
 - CA Clean-out Plug Assembly L/B
 - GL Grease Trap Lid Leaking
 - GB Grease Trap Lid Broken
 - RD Roof/Service drain Connection
 - DL Discontinued Private Line
 - BL Break (s) Along Line
 - SC Ditch/Storm Sewer Crossing
 - BM Break At Mainline Tap
 - OS Other _____

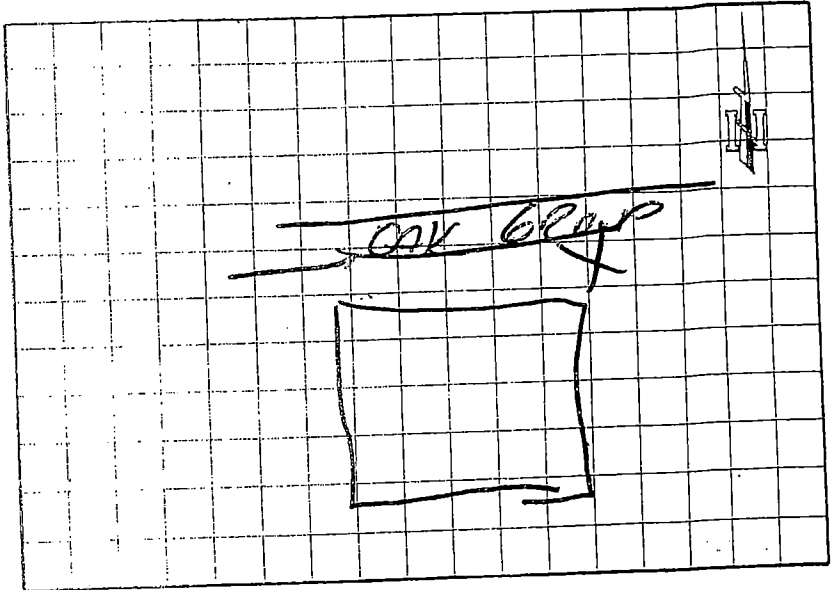
- REHABILITATION METHOD
- SC Seal Clean-out Plug
 - RP Replace Clean-out Plug
 - RA Replace Clean-out Plug Assembly
 - ST Seal Grease Trap Lid
 - RT Grease Trap Lid
 - DD Disconnect Drain & Cap Off
 - CL Cap Off Line
 - PR Make _____ Point Repairs
 - RF Replace _____ ft. Of Line
 - RC Replace Collar
 - RL Replace Grease Trap Lid
 - Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

11

Subject: Mena Utilities SSES
 Location: 1100 Oak Group
 Area: 11
 Line No. _____
 Leak No. _____
 Date: 10 Time: _____
 Inspector: Mko



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____

GREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area _____
 Size Of Hole: 4
 Potential Head _____

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

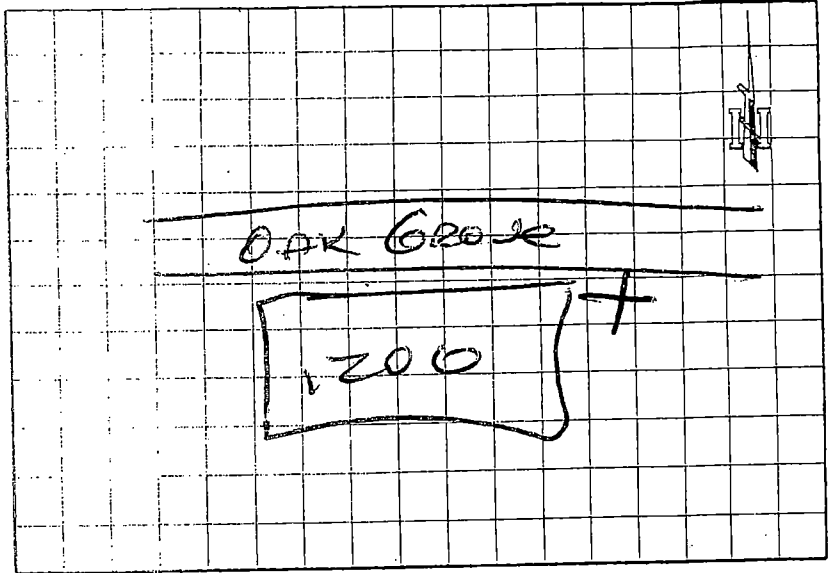
- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

COMMENTS _____

PRIVATE LINE LEAK

// ?

Subject: Mena Utilities SSES
 Location: 1206
Oak Grove
 Area: 11
 Line No. _____
 Leak No. _____
 Date: 10 Aug 10 Time: _____
 Inspector: Mike



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: in Downspout @ Carport

MEASURED INFLOW (GPD) _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area _____
 Size Of Hole 4
 Potential Head _____

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

?

7

Subject: Mena Utilities, SSES

Location: Auto Zone

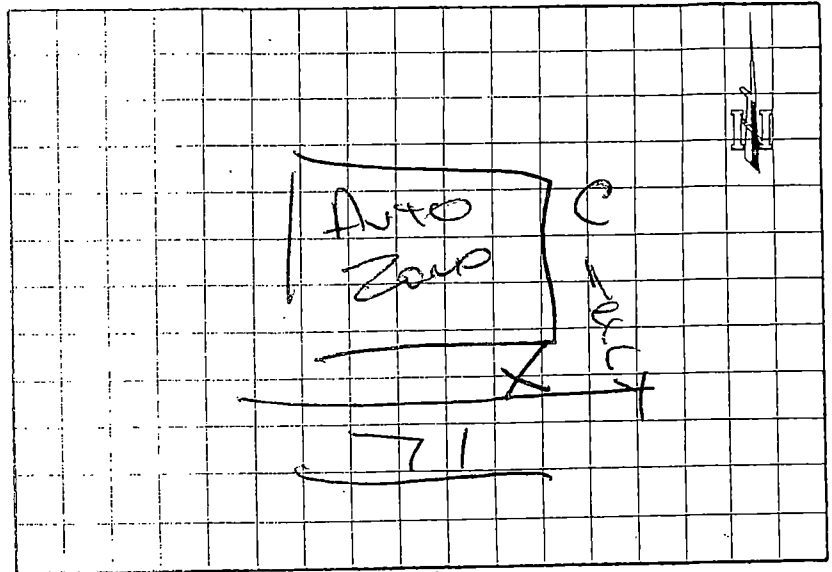
Area: 7

Line No. _____

Leak No. _____

Date: 18 Aug 10 Time: _____

Inspector: MKP



RECOMMEND

Quantification Testing

DESCRIPTION OF LEAK: Sewer Line from Auto Zone to Main

MEASURED INFLOW (GPD) _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

- Ponding Area
- Size Of Hole _____
- Potential Head _____

DRAINAGE AREA

- Pavement
- Ground
- Roof

COVER OVER LEAK

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

SOURCE OF LEAK

- CL Clean-out Plug Leaking
- CM Clean-out Plug Missing/Broken
- CA Clean-out Plug Assembly L/B
- GL Grease Trap Lid Leaking
- GB Grease Trap Lid Broken
- RD Roof/Service drain Connection
- DL Discontinued Private Line
- BL Break (s) Along Line
- SC Ditch/Storm Sewer Crossing
- BM Break At Mainline Tap
- OS Other _____

REHABILITATION METHOD

- SC Seal Clean-out Plug
- RP Replace Clean-out Plug
- RA Replace Clean-out Plug Assembly
- ST Seal Grease Trap Lid
- RT Grease Trap Lid
- DD Disconnect Drain & Cap Off
- CL Cap Off Line
- PR Make _____ Point Repairs
- RF Replace _____ ft. Of Line
- RC Replace Collar
- RL Replace Grease Trap Lid
- Other _____

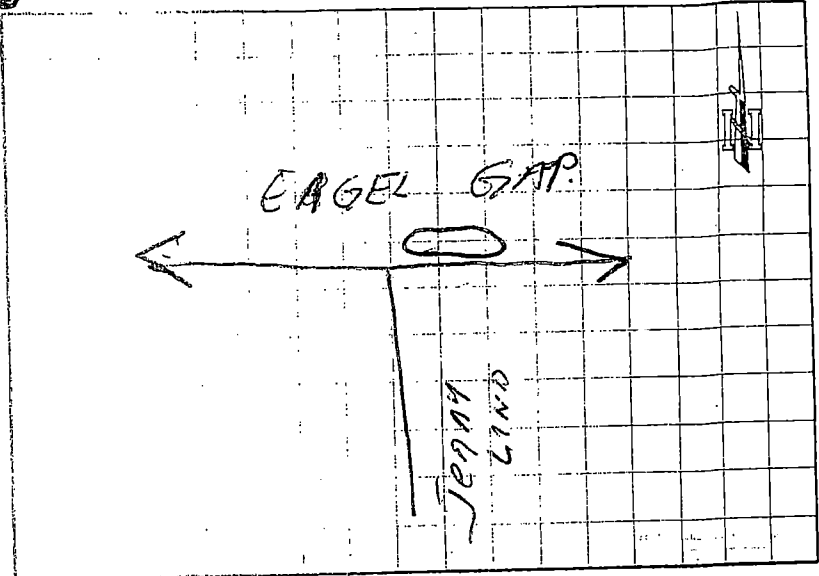
ADDITIONAL COMMENTS _____

PRIVATE LINE LEAK

7

Subject: Mena Utilities SSES
 Location: EAGLE GAP & TENNA LIND

Area: 7
 Line No. _____
 Leak No. _____
 Date: 8/10 Time: _____
 Inspector: (Signature)



RECOMMEND
 Quantification Testing

DESCRIPTION OF LEAK: IN DITCH

MEASURED INFLOW (GPD) _____

<u>SEVERE OF LEAK</u>	<u>LEAK CHARACTERISTICS</u>	<u>DRAINAGE AREA</u>	<u>COVER OVER LEAK</u>
<input checked="" type="checkbox"/> Heavy <input type="checkbox"/> Moderate <input type="checkbox"/> Light	Ponding Area <u>3' IN DITCH</u> Size Of Hole <u>?</u> Potential Head <u>3'</u>	<input type="checkbox"/> Pavement <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Roof	<input type="checkbox"/> Conc. Pavement <input type="checkbox"/> Asph. Pavement <input type="checkbox"/> Gravel <input type="checkbox"/> Sidewalk <input checked="" type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____
<u>TYPE OF PROPERTY</u>			
<input type="checkbox"/> Residence <input checked="" type="checkbox"/> Business	<input type="checkbox"/> Apartment <input type="checkbox"/> Trailer Park	<input type="checkbox"/> Vacant Lot <input type="checkbox"/> Other	

<u>SOURCE OF LEAK</u>	<u>REHABILITATION METHOD</u>
<input type="checkbox"/> CL Clean-out Plug Leaking <input type="checkbox"/> CM Clean-out Plug Missing/Broken <input type="checkbox"/> CA Clean-out Plug Assembly L/B <input type="checkbox"/> GL Grease Trap Lid Leaking <input type="checkbox"/> GB Grease Trap Lid Broken <input type="checkbox"/> RD Roof/Service drain Connection <input type="checkbox"/> DL Discontinued Private Line <input type="checkbox"/> BL Break (s) Along Line <input type="checkbox"/> SC Ditch/Storm Sewer Crossing <input type="checkbox"/> BM Break At Mainline Tap <input type="checkbox"/> OS Other _____	<input type="checkbox"/> SC Seal Clean-out Plug <input type="checkbox"/> RP Replace Clean-out Plug <input type="checkbox"/> RA Replace Clean-out Plug Assembly <input type="checkbox"/> ST Seal Grease Trap Lid <input type="checkbox"/> RT Grease Trap Lid <input type="checkbox"/> DD Disconnect Drain & Cap Off <input type="checkbox"/> CL Cap Off Line <input type="checkbox"/> PR Make _____ Point Repairs <input type="checkbox"/> RF Replace _____ ft. Of Line <input type="checkbox"/> RC Replace Collar <input type="checkbox"/> RL Replace Grease Trap Lid Other _____

ADDITIONAL COMMENTS: NEED CAMRA.

EXHIBIT C
Main Line Leak Reports



MAIN LINE LEAK REPORTS COST SUMMARY

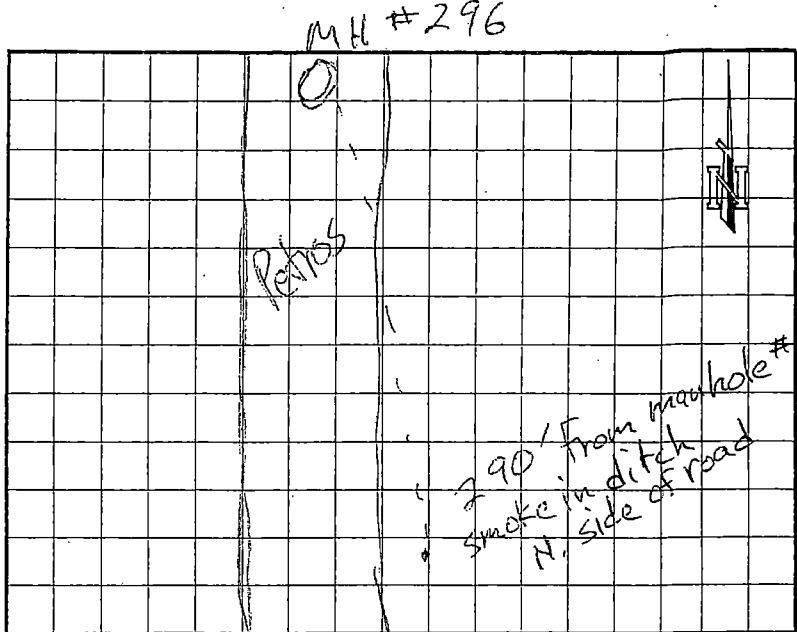
Main Line	From		Line	Replacement	Cover	Estimated Unit	Total
Leak No.	MH No.	MH No.	Size, in.	Length, ft.	Condition	Cost, \$/ft.	Cost
1	296	295	8	370	pavement	65	\$24,050.00
2	290	291	8	500	natural ground	35	\$17,500.00
3	534	535	10	427	pavement	75	\$32,025.00
4	330	331 ?	8	328	pavement	65	\$21,320.00
5	110	112	18	301	natural ground	95	\$28,595.00
6							\$0.00
7	1098	1097	12	145	natural ground	60	\$8,700.00
8	208	209	8	75	natural ground	35	\$2,625.00
9	607	608	18	100	pavement	95	\$9,500.00
10	329	330	18	255	pavement	95	\$24,225.00
11	863	864	10	242	natural ground	55	\$13,310.00
12	1120	1119	8	160	natural ground	35	\$5,600.00
13	551	542	10	343	pavement	75	\$25,725.00
14	567	568	10	315	pavement	75	\$23,625.00
15	485	484	8	355	pavement	65	\$23,075.00
16	551	534	8	338	pavement	65	\$21,970.00
17	518	517	6	751	pavement	65	\$48,815.00
18	727	726	8	479	natural ground	35	\$16,765.00
19	712	710	6	253	pavement	65	\$16,445.00
20	288	300	10	485	pavement	75	\$36,375.00
21	359	361	8 ?	645	natural ground	35	\$22,575.00
22	1020	1021	6	366	pavement	65	\$23,790.00
23	916	921	12 ?	462	pavement	85	\$39,270.00
24	856	855	8 ?	396	pavement	65	\$25,740.00
Total							\$511,620.00

? on main size

MAIN LINE LEAK

12

Project: Mena Utilities SSES
 Location: Petros E. of Cherry
SECTION 12
 Area: 12
 Line No. _____
 Leak No. 1
 Line Size: 8"
 Date: 2 JULY Time: 1100
 Inspector: Jeff/Brian



RECOMMEND

Quantification Testing
 Internal Televising

DESCRIPTION OF LEAK: smoke seeping from soil in ditch

MEASURED INFLOW (GPD) _____ LEAK LOCATION: ditch Feet from MH# 296 = 290'
 (see above)

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

- Ponding Area
- Size Of Hole _____
- Potential Head _____

LOCATION OF LINE

- Under Street
- Right Of Way
- Easement

COVER OVER LINE

- Conc.Pavement
- Asph.Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

DRAINAGE AREA

Pavement _____
 Ground

LEAK SOURCE

- Ditch/Storm sewer crossing
- Ditch/Storm sewer parallels
- Ponding Area
- Potholes/Faults
- Break along line
- Private line tie-in
- Other _____

Are Manholes Accessible

- Yes
- No

ADDITIONAL COMMENTS

MH 296 to MH 295 -> 370ft.
Under Pavement

REHABILITATION METHOD (in office)

Replace 370 ft. of Line 8"
 Make _____ Point repair(s)
 Other _____

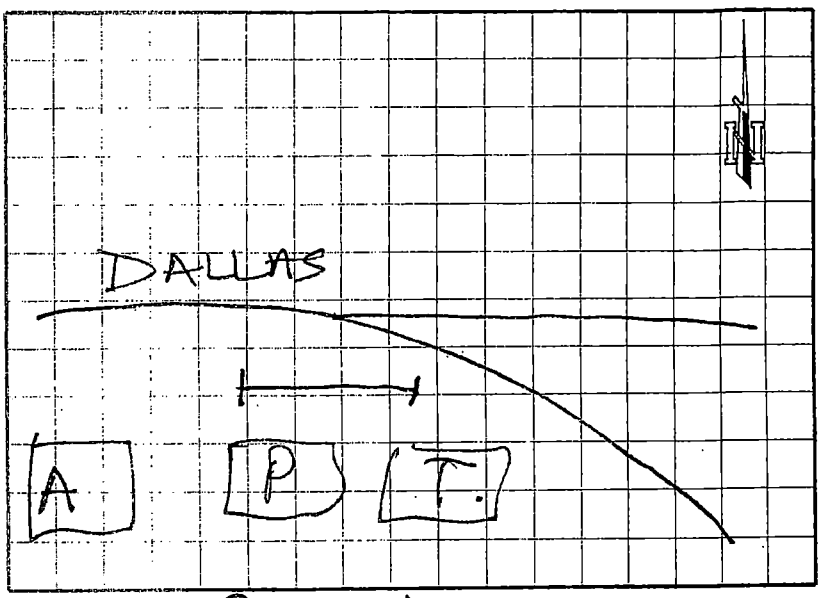
MAIN.

X X X

PRIVATE LINE LEAK

EL

Subject: Mena Utilities SSES
 Location: REBECCAS'S APT.
ACROSS FROM 709 DALLAS
 Area: _____
 Line No.: _____
 Leak No. 2
 Date: _____ Time: _____
 Inspector: _____



RECOMMEND
 Quantification Testing

DESCRIPTION OF LEAK: SMOILE COMING FROM DITCH.

MEASURED INFLOW (GPD) _____

<u>SEVERE OF LEAK</u>	<u>LEAK CHARACTERISTICS</u>	<u>DRAINAGE AREA</u>	<u>COVER OVER LEAK</u>
<input type="checkbox"/> Heavy <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Light	Ponding Area _____ Size Of Hole _____ Potential Head _____	<input type="checkbox"/> Pavement <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Roof	<input type="checkbox"/> Conc. Pavement <input type="checkbox"/> Asph. Pavement <input checked="" type="checkbox"/> Gravel <input type="checkbox"/> Sidewalk <input type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____
<u>TYPE OF PROPERTY</u>			
<input checked="" type="checkbox"/> Residence <input type="checkbox"/> Business	<input type="checkbox"/> Apartment <input type="checkbox"/> Trailer Park	<input type="checkbox"/> Vacant Lot <input type="checkbox"/> Other _____	

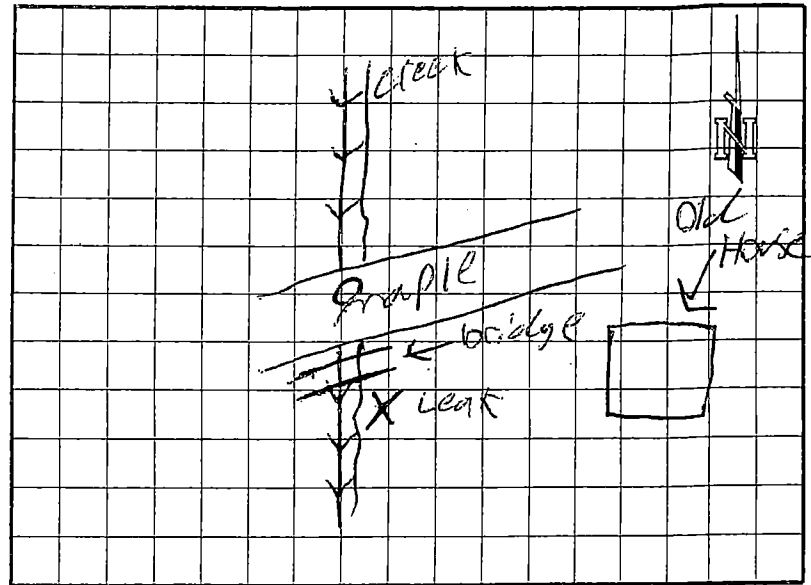
<u>SOURCE OF LEAK</u>	<u>REHABILITATION METHOD</u>
<input type="checkbox"/> CL Clean-out Plug Leaking <input type="checkbox"/> CM Clean-out Plug Missing/Broken <input type="checkbox"/> CA Clean-out Plug Assembly L/B <input type="checkbox"/> GL Grease Trap Lid Leaking <input type="checkbox"/> GB Grease Trap Lid Broken <input type="checkbox"/> RD Roof/Service drain Connection <input type="checkbox"/> DL Discontinued Private Line <input checked="" type="checkbox"/> BL Break (s) Along Line <input type="checkbox"/> SC Ditch/Storm Sewer Crossing <input type="checkbox"/> BM Break At Mainline Tap <input type="checkbox"/> OS Other _____	<input type="checkbox"/> SC Seal Clean-out Plug <input type="checkbox"/> RP Replace Clean-out Plug <input type="checkbox"/> RA Replace Clean-out Plug Assembly <input type="checkbox"/> ST Seal Grease Trap Lid <input type="checkbox"/> RT Grease Trap Lid <input type="checkbox"/> DD Disconnect Drain & Cap Off <input type="checkbox"/> CL Cap Off Line <input type="checkbox"/> PR Make _____ Point Repairs <input type="checkbox"/> RF Replace _____ ft. Of Line <input type="checkbox"/> RC Replace Collar <input type="checkbox"/> RL Replace Grease Trap Lid <input type="checkbox"/> Other _____

ADDITIONAL COMMENTS
MH 290 to MH 291
500 ft. of 8"

MAIN LINE LEAK

11

Project: Mena Utilities SSES
 Location: maple between 10th & 21st
 Area: SEC 11
 Line No. 3
 Leak No. 3
 Line Size: 10"
 Date: 6/22/10 Time: _____
 Inspector: Boley



RECOMMEND

Quantification Testing
 Internal Televising

DESCRIPTION OF LEAK: possible service line to old Joe down House,

MEASURED INFLOW (GPD) _____ LEAK LOCATION: _____ Feet from MH# _____

DEGREE OF LEAK	LEAK CHARACTERISTICS	LOCATION OF LINE	COVER OVER LINE
<input type="checkbox"/> Heavy	Ponding Area <u>in creek</u>	<input type="checkbox"/> Under Street	<input type="checkbox"/> Conc. Pavement
<input type="checkbox"/> Moderate	Size Of Hole <u>1"</u>	<input type="checkbox"/> Right Of Way	<input type="checkbox"/> Asp. Pavement
<input checked="" type="checkbox"/> Light	Potential Head <u>2'</u>	<input type="checkbox"/> Easement	<input type="checkbox"/> Gravel
		<input checked="" type="checkbox"/> <u>X in creek</u>	<input type="checkbox"/> Sidewalk
			<input type="checkbox"/> Yard/Field
			<input type="checkbox"/> Woods
			Other _____

DRAINAGE AREA	LEAK SOURCE
Pavement _____	<input type="checkbox"/> Ditch/Storm sewer crossing
Ground _____	<input type="checkbox"/> Ditch/Storm sewer parallels
	<input type="checkbox"/> Ponding Area
	<input type="checkbox"/> Potholes/Faults
	<input type="checkbox"/> Break along line
	<input type="checkbox"/> Private line tie-in
	Other <u>in creek</u>

Are Manholes Accessible
 Yes
 No

ADDITIONAL COMMENTS

Leak #3 ~~_____~~
MH 534 to MH 535
427 ft. of 10"

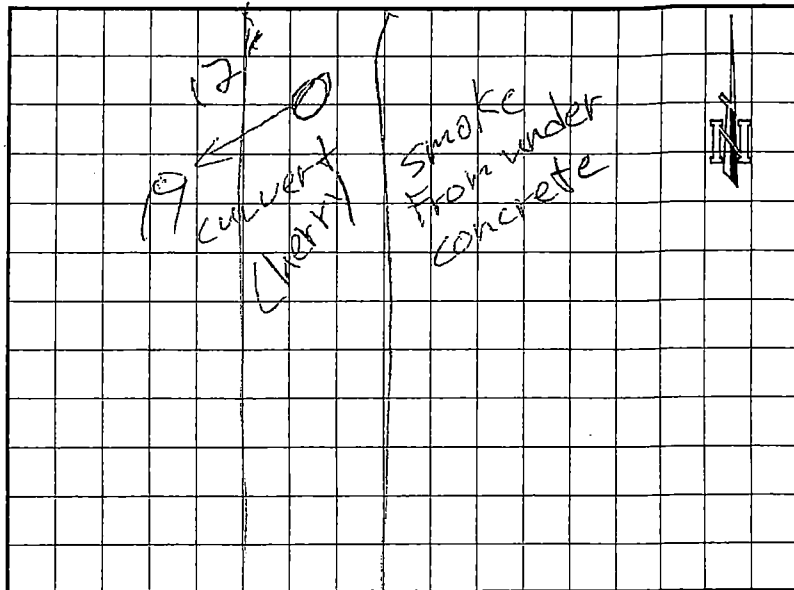
REHABILITATION METHOD (in office)

Replace 427 ft. of Line 10"
 Make _____ Point repair(s)
 Other _____

MAIN LINE LEAK

12

Project: Mena Utilities SSES
 Location: Cherry S. of Hornbeck
 Area: 12
 Line No. _____
 Leak No. 4
 Line Size: 8"
 Date: 2 JULY Time: 1300
 Inspector: JEFF/BRIAN



RECOMMEND

Quantification Testing
 Internal Televising

DESCRIPTION OF LEAK: smoke in ditch

MEASURED INFLOW (GPD) _____ LEAK LOCATION: _____ Feet from MH# _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

- Ponding Area
- Size Of Hole _____
- Potential Head _____

LOCATION OF LINE

- Under Street
- Right Of Way
- Easement

COVER OVER LINE

- Conc.Pavement
- Asph.Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

DRAINAGE AREA

Pavement _____
 Ground _____

LEAK SOURCE

- Ditch/Storm sewer crossing
- Ditch/Storm sewer parallels
- Ponding Area
- Potholes/Faults
- Break along line
- Private line tie-in
- Other _____

Are Manholes Accessible

- Yes
- No

ADDITIONAL COMMENTS

MH 330 to MH 331
328 ft of 8"

REHABILITATION METHOD (in office)

Replace 328 ft. of Line 8"
 Make _____ Point repair(s)
 Other _____

MAIN LINE LEAK

SUB

#25

Project: Mena Utilities SSES

Location: @ H/H # 110

Area: SEC 25

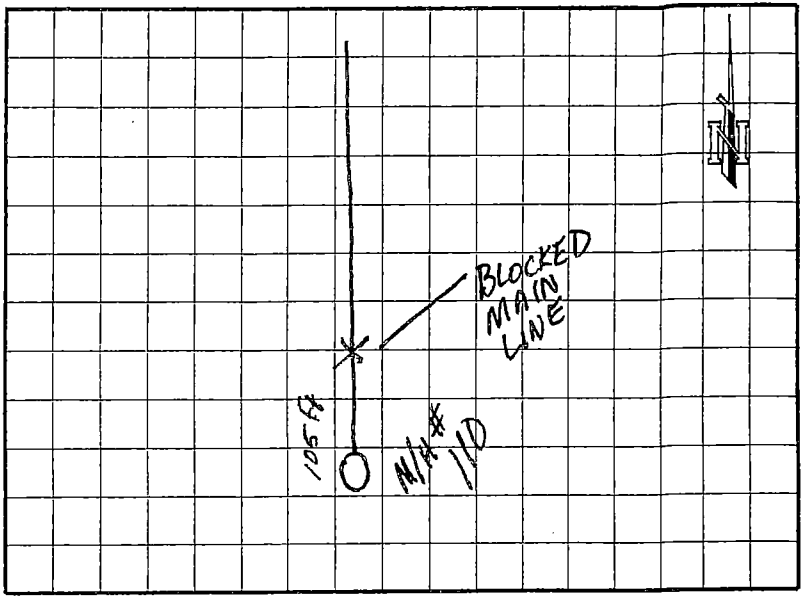
Line No. _____

Leak No. 5

Line Size: 18

Date: 6-23-10 Time: _____

Inspector: (BB) (RS) (MS)



RECOMMEND

Quantification Testing
Internal Televising

DESCRIPTION OF LEAK: BLOCKED MAIN LINE APPROX 105 FT FROM MAN HOLE #110 FLOW REDUCED TO APPROX 6 TO 8 IN. PIPE.

MEASURED INFLOW (GPD) _____ LEAK LOCATION: _____ Feet from MH# APPROX 105-FT.

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

- Ponding Area _____
- Size Of Hole _____
- Potential Head _____

LOCATION OF LINE

- Under Street
- Right Of Way
- Easement

COVER OVER LINE

- Conc.Pavement
- Asph.Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

DRAINAGE AREA

Pavement _____
Ground _____

LEAK SOURCE

- Ditch/Storm sewer crossing
- Ditch/Storm sewer parallels
- Ponding Area
- Potholes/Faults
- Break along line
- Private line tie-in
- Other _____

Are Manholes Accessible

- Yes
- No

ADDITIONAL COMMENTS

MH 110 to MH 112
301 ft. of 18"

REHABILITATION METHOD (in office)

Replace 301 ft. of Line 18"
Make _____ Point repair(s)
Other _____

Line blocked, maybe just needs cleaning

MAIN LINE LEAK

Project: Mena Utilities SSES

Location: S35 OLD 77

Area: 8

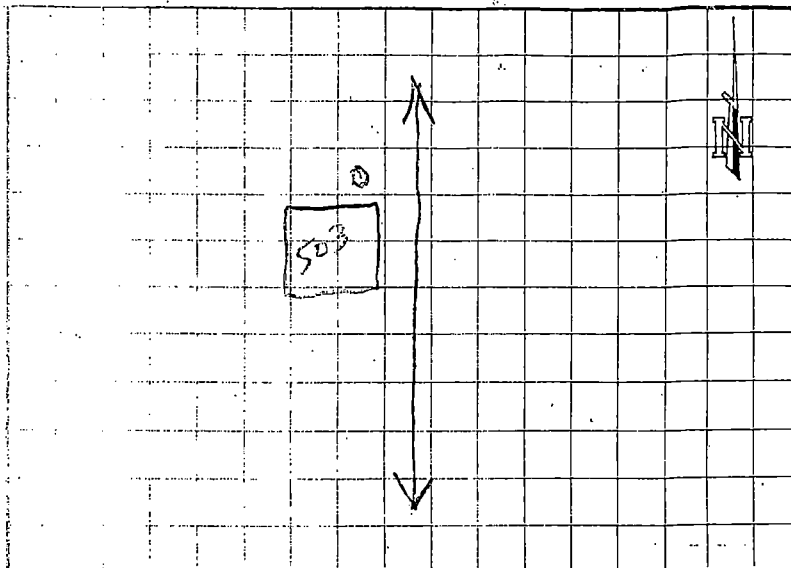
Line No. _____

Leak No. 6

Line Size: _____

Date: _____ Time: _____

Inspector: _____



RECOMMEND

Quantification Testing
 Internal Televising

DESCRIPTION OF LEAK: CLEAN OUT BROKE OF @ SLAB.

MEASURED INFLOW (GPD) _____ LEAK LOCATION: _____ Feet from MH# _____

DEGREE OF LEAK

LEAK CHARACTERISTICS

LOCATION OF LINE

COVER OVER LINE

- Heavy
- Moderate
- Light

- Ponding Area IN PARKING LOT
- Size Of Hole 4
- Potential Head 2"

- Under Street
- Right Of Way
- Easement

- Conc. Pavement
- Asp. Pavement
- Gravel
- Sidewalk PARKING LOT
- Yard/Field
- Woods
- Other _____

DRAINAGE AREA

LEAK SOURCE

- Pavement
- Ground _____

- Ditch/Storm sewer crossing
- Ditch/Storm sewer parallels
- Ponding Area
- Potholes/Faults
- Break along line
- Private line tie-in
- Other _____

Are Manholes Accessible

- Yes
- No

ADDITIONAL COMMENTS

REHABILITATION METHOD (in office)

Replace _____ ft. of Line
 Make _____ Point repair(s)
 Other _____

MAIN LINE LEAK

15

Project: Mena Utilities SSES

Location: _____

Area: 15

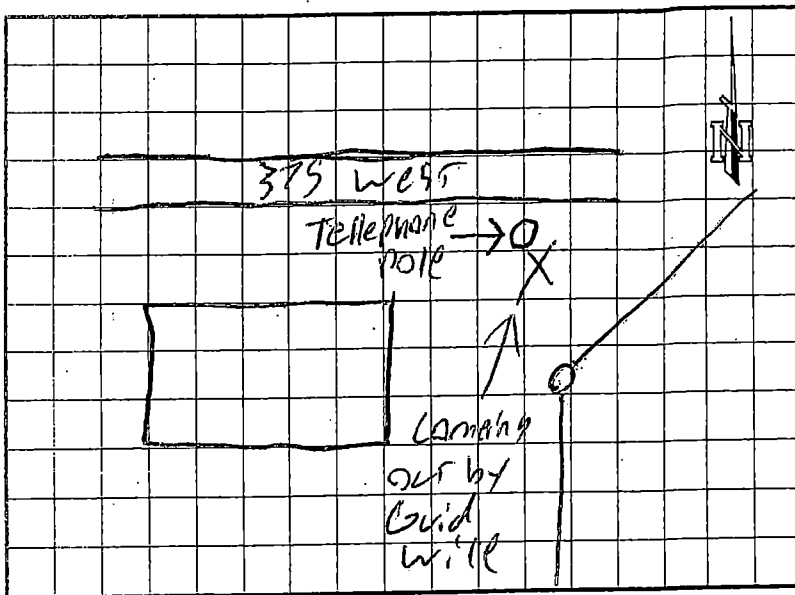
Line No. _____

Leak No. 7

Line Size: 12"

Date: 7/23/19 Time: _____

Inspector: Radly



RECOMMEND

Quantification Testing
Internal Televising

DESCRIPTION OF LEAK: Smoke coming up around Guid wire

MEASURED INFLOW (GPD) _____ LEAK LOCATION: _____ Feet from MH# _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area _____
Size Of Hole ?
Potential Head ?

LOCATION OF LINE

- Under Street
- Right Of Way
- Easement

COVER OVER LINE

- Conc.Pavement
- Asp.Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

DRAINAGE AREA

Pavement _____
Ground

LEAK SOURCE

- Ditch/Storm sewer crossing
- Ditch/Storm sewer parallels
- Ponding Area
- Potholes/Faults
- Break along line
- Private line tie-in
- Other _____

Are Manholes Accessible

- Yes
- No

ADDITIONAL COMMENTS

MH 1098 to MH 1097
145 ft. of 12"

REHABILITATION METHOD (in office)

Replace 145 ft. of Line 12"
Make _____ Point repair(s)
Other under N.G.

MAIN LINE LEAK

8

Project: Mena Utilities SSES

Location: RODGER'S ADDITION

Area: 8

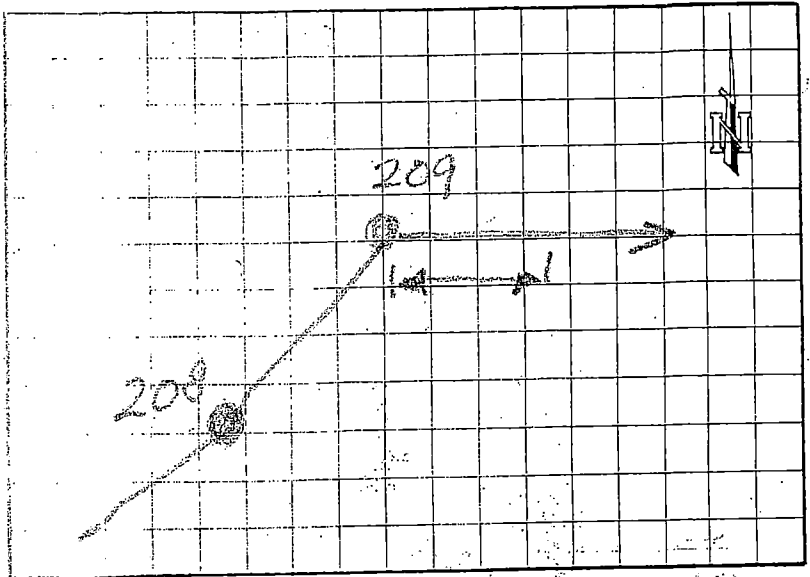
Line No. _____

Leak No. 8

Line Size: _____

Date: _____ Time: _____

Inspector: _____



RECOMMEND

Quantification Testing
 Internal Televising

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____ LEAK LOCATION: _____ Feet from MH# _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

- Ponding Area _____
- Size Of Hole _____
- Potential Head _____

LOCATION OF LINE

- Under Street
- Right Of Way
- Easement

COVER OVER LINE

- Conc. Pavement
- Asp. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other _____

DRAINAGE AREA

Pavement _____
 Ground _____

LEAK SOURCE

- Ditch/Storm sewer crossing
- Ditch/Storm sewer parallels
- Ponding Area
- Potholes/Faults
- Break along line
- Private line tie-in
- Other _____

Are Manholes Accessible

- Yes
- No

ADDITIONAL COMMENTS

FROM M/H 209 NORTH APPROX 20
FT. SMOKE REMAINS FROM
GROUND.

REHABILITATION METHOD (in office)

Replace 75 ft. of Line 8"
 Make _____ Point repair(s)
 Other under N. 9.

MAIN LINE LEAK

Project: Mena Utilities SSES

Location _____

Area: _____

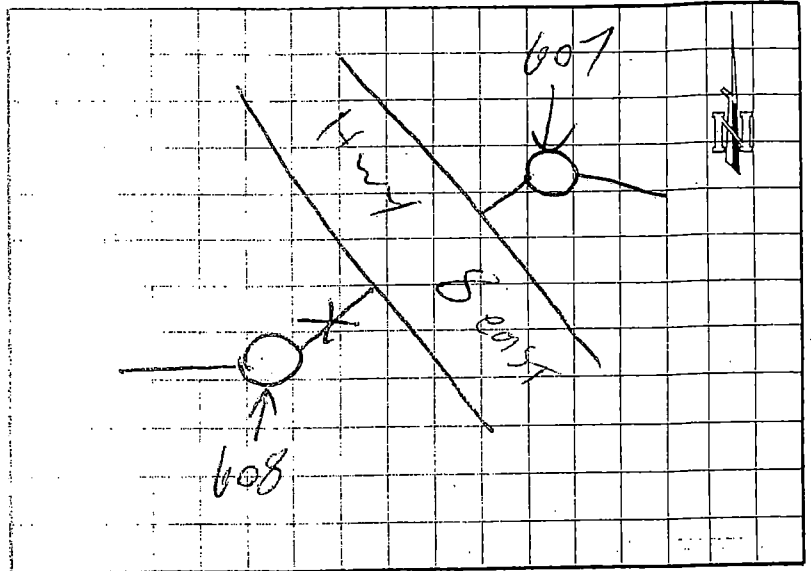
Line No. _____

Leak No. 9

Line Size: 18"

Date: 8/19/10 Time: _____

Inspector: Bodney



RECOMMEND

Quantification Testing
Internal Televising

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____ LEAK LOCATION: _____ Feet from MH# _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area drum
Size Of Hole ?
Potential Head 3'

LOCATION OF LINE

- Under Street
- Right Of Way
- Easement

COVER OVER LINE

- Conc.Pavement
- Asph.Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other _____

Are Manholes Accessible

- Yes
- No

DRAINAGE AREA

Pavement _____
Ground

LEAK SOURCE

- Ditch/Storm sewer crossing
- Ditch/Storm sewer parallels
- Ponding Area
- Potholes/Faults
- Break along line
- Private line tie-in
- Other _____

ADDITIONAL COMMENTS

MH 607 to MH 608, 18"
18", 100ft.

REHABILITATION METHOD (in office)

Replace 100 ft. of Line 18"
Make _____ Point repair(s)
Other under street

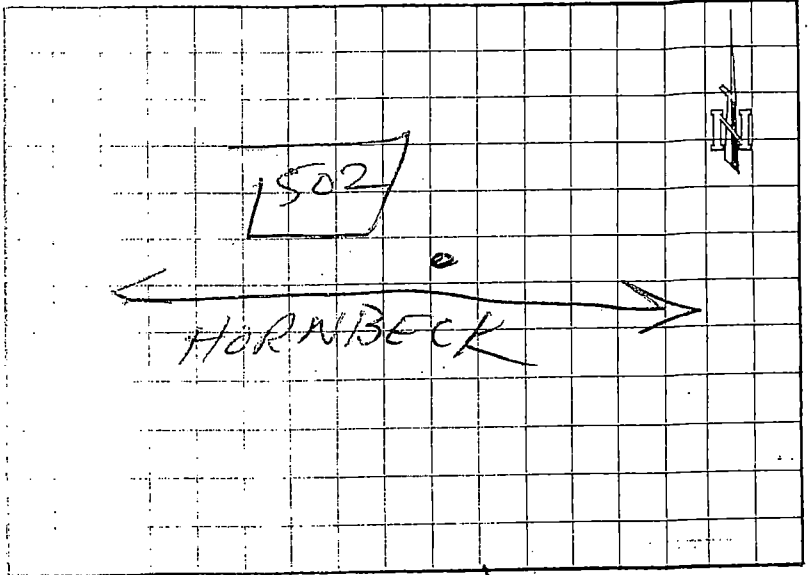


MAIN LINE LEAK

7

Project: Mena Utilities SSES
Location: on HOENBECK (502)

Area: 7
Line No. _____
Leak No. 10
Line Size: 18
Date: 8/10 Time: _____
Inspector: BD



RECOMMEND

Quantification Testing
Internal Televising

DESCRIPTION OF LEAK: Smoke coming from Ditch.

MEASURED INFLOW (GPD) _____ LEAK LOCATION: _____ Feet from MH# _____

DEGREE OF LEAK	LEAK CHARACTERISTICS	LOCATION OF LINE	COVER OVER LINE
<input type="checkbox"/> Heavy <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Light	Ponding Area <u>3'</u> Size Of Hole <u>3"</u> Potential Head <u>1'</u>	<input checked="" type="checkbox"/> Under Street <input type="checkbox"/> Right Of Way <input type="checkbox"/> Easement	<input type="checkbox"/> Conc.Pavement <input checked="" type="checkbox"/> Asph.Pavement <input type="checkbox"/> Gravel <input type="checkbox"/> Sidewalk <input type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____

DRAINAGE AREA	LEAK SOURCE
<input type="checkbox"/> Pavement <input checked="" type="checkbox"/> Ground	<input type="checkbox"/> Ditch/Storm sewer crossing <input checked="" type="checkbox"/> Ditch/Storm sewer parallels <input type="checkbox"/> Ponding Area <input type="checkbox"/> Potholes/Faults <input type="checkbox"/> Break along line <input type="checkbox"/> Private line tie-in <input type="checkbox"/> Other _____

Are Manholes Accessible
 Yes
 No

ADDITIONAL COMMENTS

NEED CAMERA
MH 329 + MH 330
255 ft. 18"

REHABILITATION METHOD (in office)

Replace 255 ft. of Line 18"
Make _____ Point repair(s)
Other _____

MAIN LINE LEAK

15

Project: Mena Utilities SSES

Location _____

Area: 15

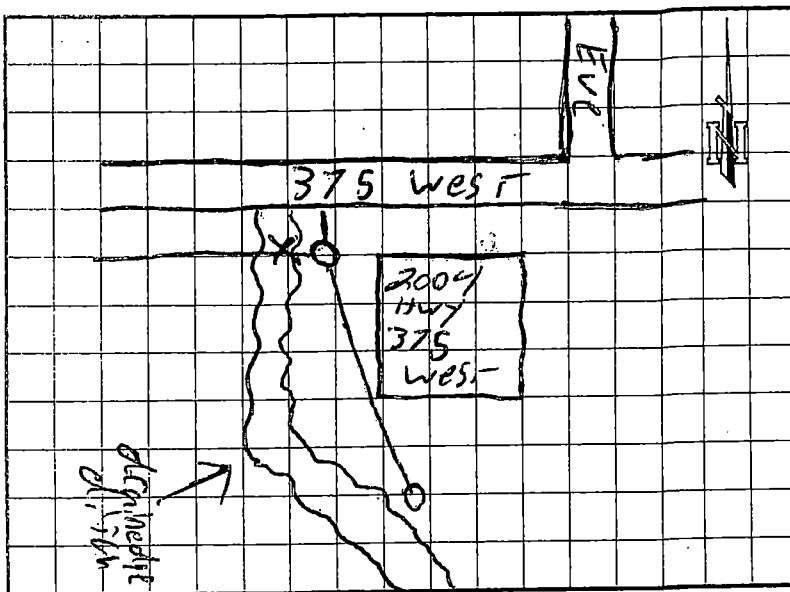
Line No. _____

Leak No. 11

Line Size: 10"

Date: 7/23/10 Time: _____

Inspector: Bodley



RECOMMEND

Quantification Testing
Internal Televising

DESCRIPTION OF LEAK: Smoke coming up in ditch

MEASURED INFLOW (GPD) _____ LEAK LOCATION: _____ Feet from MH# 20

DEGREE OF LEAK

Heavy
 Moderate
 Light

LEAK CHARACTERISTICS

Ponding Area 30 sq ft
Size Of Hole ?
Potential Head 3 ft

LOCATION OF LINE

Under Street
 Right Of Way
 Easement

ditch

COVER OVER LINE

Conc. Pavement
 Asph. Pavement
 Gravel
 Sidewalk
 Yard/Field
 Woods

Other _____

Are Manholes Accessible

Yes
 No

DRAINAGE AREA

Pavement
Ground

LEAK SOURCE

Ditch/Storm sewer crossing
 Ditch/Storm sewer parallels
 Ponding Area
 Potholes/Faults
 Break along line
 Private line tie-in
Other _____

ADDITIONAL COMMENTS

MH 863 to MH 867
242 ft., 10"

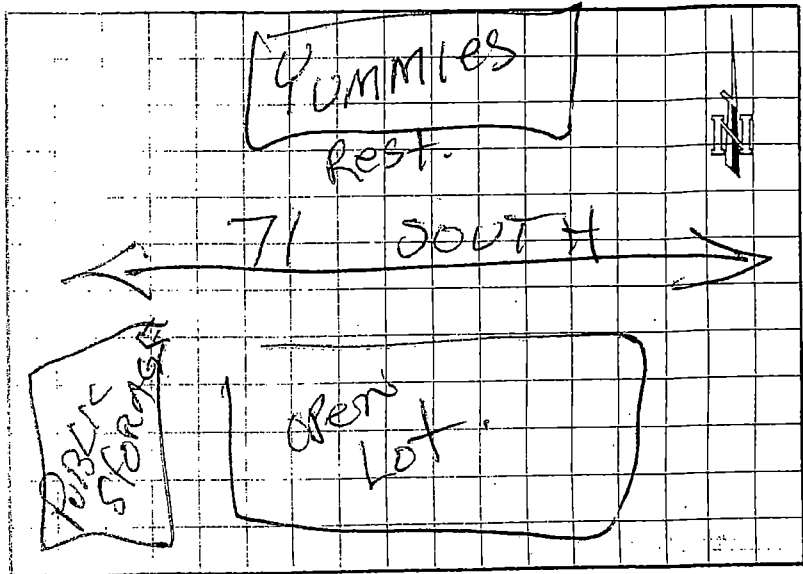
REHABILITATION METHOD (in office)

Replace 520²⁴² ft. of Line 10"
Make _____ Point repair(s)
Other under M.G.

MAIN LINE LEAK

20

Project: Mena Utilities SSES
 Location: _____
 Area: _____
 Line No. _____
 Leak No. 12
 Line Size: _____
 Date: _____ Time: _____
 Inspector: _____



RECOMMEND

Quantification Testing
 Internal Televising

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____ LEAK LOCATION: _____ Feet from MH# _____

DEGREE OF LEAK	LEAK CHARACTERISTICS	LOCATION OF LINE	COVER OVER LINE
<input type="checkbox"/> Heavy <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Light	<input type="checkbox"/> Ponding Area <input type="checkbox"/> Size Of Hole <input type="checkbox"/> Potential Head	<input type="checkbox"/> Under Street <input type="checkbox"/> Right Of Way <input type="checkbox"/> Easement	<input type="checkbox"/> Conc. Pavement <input type="checkbox"/> Asph. Pavement <input type="checkbox"/> Gravel <input type="checkbox"/> Sidewalk <input type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____

DRAINAGE AREA	LEAK SOURCE	Are Manholes Accessible
<input type="checkbox"/> Pavement <input type="checkbox"/> Ground	<input type="checkbox"/> Ditch/Storm sewer crossing <input type="checkbox"/> Ditch/Storm sewer parallels <input type="checkbox"/> Ponding Area <input type="checkbox"/> Potholes/Faults <input type="checkbox"/> Break along line <input type="checkbox"/> Private line tie-in <input type="checkbox"/> Other _____	<input type="checkbox"/> Yes <input type="checkbox"/> No

ADDITIONAL COMMENTS
MH 1120 to MH 1119

REHABILITATION METHOD (in office)
Replace <u>333</u> ft. of Line <u>8"</u>
Make _____ Point repair(s)
Other <u>under N.G.</u>

MAIN LINE LEAK

Project: Mena Utilities SSES

Location: Travis Johnson

Area: 11

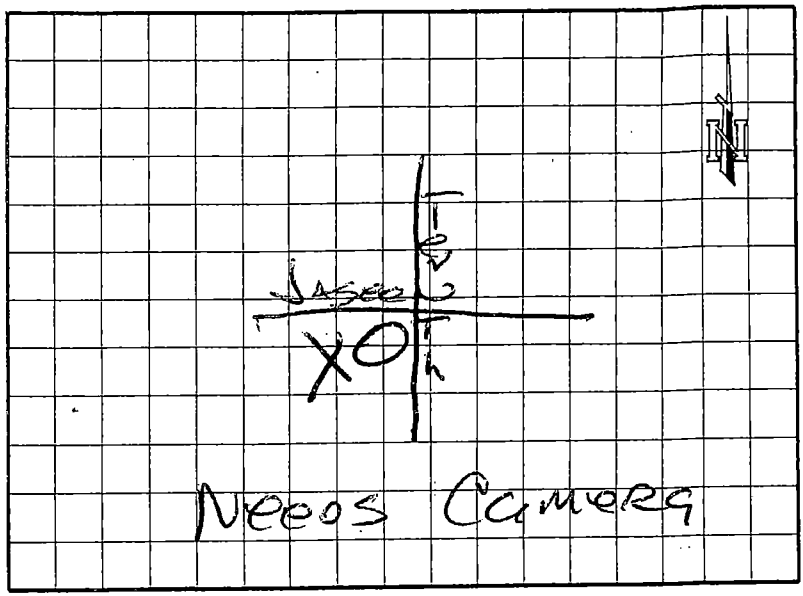
Line No. _____

Leak No. 13

Line Size: _____

Date: 10/24/10 Time: _____

Inspector: Mike



NEEDS CAMERA

RECOMMEND

Quantification Testing
Internal Televising

DESCRIPTION OF LEAK: Main Line leaking TO Storm Drain

MEASURED INFLOW (GPD) _____ LEAK LOCATION: _____ Feet from MH# 106

DEGREE OF LEAK	LEAK CHARACTERISTICS	LOCATION OF LINE	COVER OVER LINE
<input type="checkbox"/> Heavy <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Light	Ponding Area _____ Size Of Hole _____ Potential Head _____	<input type="checkbox"/> Under Street <input type="checkbox"/> Right Of Way <input type="checkbox"/> Easement	<input type="checkbox"/> Conc.Pavement <input type="checkbox"/> Asph.Pavement <input type="checkbox"/> Gravel <input type="checkbox"/> Sidewalk <input type="checkbox"/> Yard/Field <input type="checkbox"/> Woods Other _____

DRAINAGE AREA	LEAK SOURCE
Pavement _____ Ground _____	<input type="checkbox"/> Ditch/Storm sewer crossing <input type="checkbox"/> Ditch/Storm sewer parallels <input type="checkbox"/> Ponding Area <input type="checkbox"/> Potholes/Faults <input type="checkbox"/> Break along line <input type="checkbox"/> Private line tie-in Other _____

Are Manholes Accessible

Yes
 No

ADDITIONAL COMMENTS

MH 551 to MH 542

10", 343 ft.

REHABILITATION METHOD (in. office)

Replace 343 ft. of Line 10"

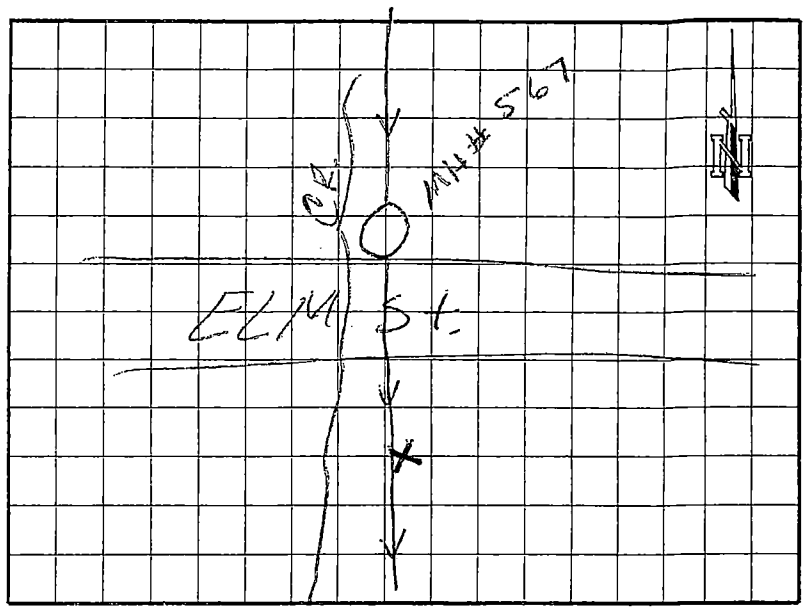
Make _____ Point repair(s)

Other under street

MAIN LINE LEAK

~~11~~ //

Project: Mena Utilities SSES
 Location: Just South of Elm in Creek E. Bank
 Area: SEC II
 Line No. _____
 Leak No. 14
 Line Size: 10"
 Date: _____ Time: _____
 Inspector: _____



RECOMMEND

Quantification Testing
 Internal Televising

DESCRIPTION OF LEAK: Hole in Creek Bank. (Major)

MEASURED INFLOW (GPD) _____ LEAK LOCATION: _____ Feet from MH# 45'

DEGREE OF LEAK	LEAK CHARACTERISTICS	LOCATION OF LINE	COVER OVER LINE
<input checked="" type="checkbox"/> Heavy	Ponding Area <u>In Creek</u>	<input type="checkbox"/> Under Street	<input type="checkbox"/> Conc. Pavement
<input type="checkbox"/> Moderate	Size Of Hole <u>16" Dia</u>	<input type="checkbox"/> Right Of Way	<input type="checkbox"/> Asph. Pavement
<input type="checkbox"/> Light	Potential Head <u>3'</u>	<input type="checkbox"/> Easement	<input type="checkbox"/> Gravel
		<input checked="" type="checkbox"/> <u>In Creek Bank</u>	<input type="checkbox"/> Sidewalk
			<input type="checkbox"/> Yard/Field
			<input type="checkbox"/> Woods
			Other <u>Creek</u>

DRAINAGE AREA	LEAK SOURCE
Pavement _____	<input type="checkbox"/> Ditch/Storm sewer crossing
Ground <input checked="" type="checkbox"/>	<input type="checkbox"/> Ditch/Storm sewer parallels
	<input type="checkbox"/> Ponding Area
	<input type="checkbox"/> Potholes/Faults
	<input type="checkbox"/> Break along line
	<input type="checkbox"/> Private line tie-in
	Other _____

Are Manholes Accessible
 Yes
 No

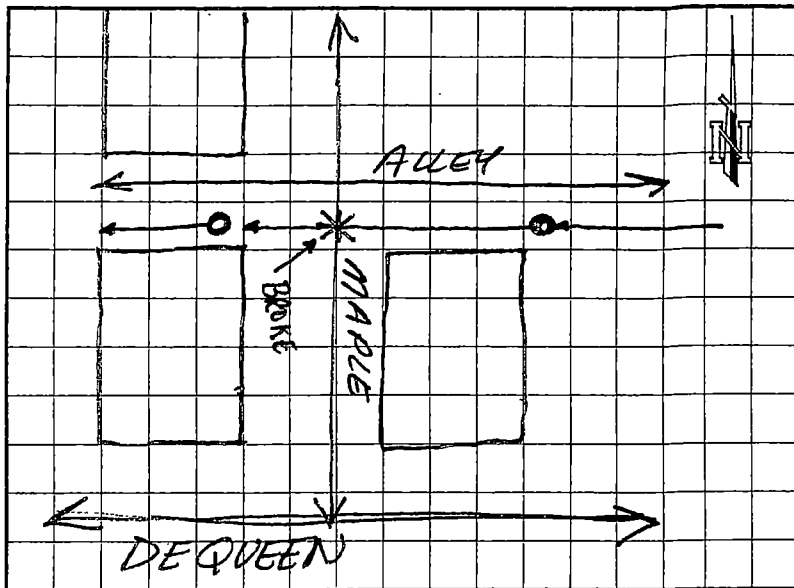
ADDITIONAL COMMENTS
MH 567 to MH 568

REHABILITATION METHOD (in office)
 Replace 315 ft. of Line 10"
 Make _____ Point repair(s)
 Other under alley

MAIN LINE LEAK

SUB 16 #6

Project: Mena Utilities SSES
 Location: MAPLE & DeQueen
SEC 6
 Area: MAIN LINE IN AVEY
 Line No. _____
 Leak No. 15
 Line Size: 8 IN
 Date: 6-24-10 Time: _____
 Inspector: (Signature)



RECOMMEND

Quantification Testing
 Internal Televising

DESCRIPTION OF LEAK: 8" SEWER MAIN BROKE & FLOWING INTO STORM DRAIN

MEASURED INFLOW (GPD) _____ LEAK LOCATION: _____ Feet from MH# _____

DEGREE OF LEAK	LEAK CHARACTERISTICS	LOCATION OF LINE	COVER OVER LINE
<input checked="" type="checkbox"/> Heavy	Ponding Area _____	<input checked="" type="checkbox"/> Under Street	<input type="checkbox"/> Conc. Pavement
<input type="checkbox"/> Moderate	Size Of Hole _____	<input type="checkbox"/> Right Of Way	<input checked="" type="checkbox"/> Asph. Pavement
<input type="checkbox"/> Light	Potential Head _____	<input type="checkbox"/> Easement	<input type="checkbox"/> Gravel
			<input type="checkbox"/> Sidewalk
			<input type="checkbox"/> Yard/Field
			<input type="checkbox"/> Woods
			Other _____

DRAINAGE AREA	LEAK SOURCE
Pavement _____	<input checked="" type="checkbox"/> Ditch/Storm sewer crossing
Ground _____	<input type="checkbox"/> Ditch/Storm sewer parallels
	<input type="checkbox"/> Ponding Area
	<input type="checkbox"/> Potholes/Faults
	<input type="checkbox"/> Break along line
	<input type="checkbox"/> Private line tie-in
	Other _____

Are Manholes Accessible
 Yes
 No

DRAINING INTO STORM DRAIN.

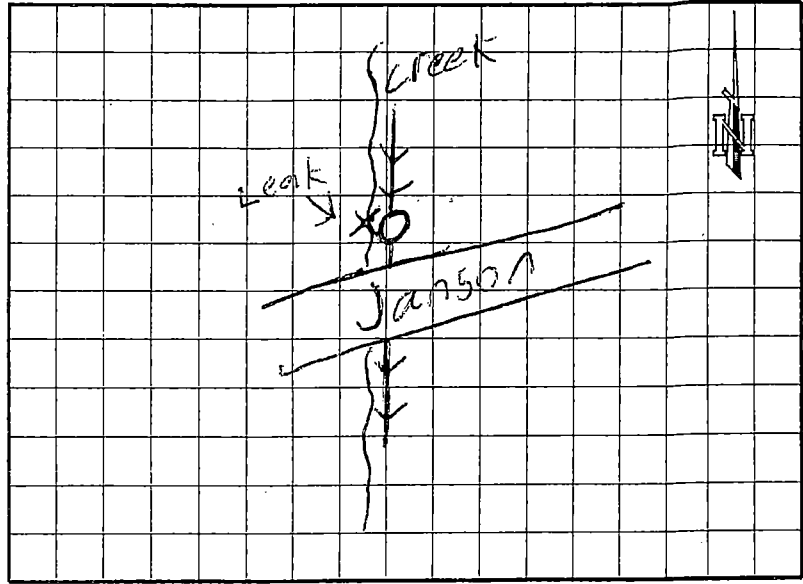
ADDITIONAL COMMENTS
MH 485 to MH 484
355 ft. of 8"

REHABILITATION METHOD (in office)	
Replace	<u>355</u> ft. of Line <u>8"</u>
Make	_____ Point repair(s)
Other	_____

MAIN LINE LEAK

11

Project: Mena Utilities SSES
 Location: Janson between
10th & 11th
 Area: SEC 11
 Line No. _____
 Leak No. 16 ~~X~~
 Line Size: 10"
 Date: 6/22/10 Time: _____
 Inspector: Booley



RECOMMEND

Quantification Testing
 Internal Televising

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____ LEAK LOCATION: _____ Feet from MH# 3'

<u>DEGREE OF LEAK</u>	<u>LEAK CHARACTERISTICS</u>	<u>LOCATION OF LINE</u>	<u>COVER OVER LINE</u>
<input checked="" type="checkbox"/> Heavy	Ponding Area <u>in Creek</u>	<input type="checkbox"/> Under Street	<input type="checkbox"/> Conc.Pavement
<input type="checkbox"/> Moderate	Size Of Hole <u>4" in dia</u>	<input type="checkbox"/> Right Of Way	<input type="checkbox"/> Asph.Pavement
<input type="checkbox"/> Light	Potential Head <u>5'</u>	<input type="checkbox"/> Easement	<input type="checkbox"/> Gravel
		<input checked="" type="checkbox"/> <u>in Creek</u>	<input type="checkbox"/> Sidewalk
			<input type="checkbox"/> Yard/Field
			<input type="checkbox"/> Woods
			Other <u>Creek</u>

<u>DRAINAGE AREA</u>	<u>LEAK SOURCE</u>
Pavement _____	<input type="checkbox"/> Ditch/Storm sewer crossing
Ground _____	<input type="checkbox"/> Ditch/Storm sewer parallels
	<input type="checkbox"/> Ponding Area
	<input type="checkbox"/> Potholes/Faults
	<input type="checkbox"/> Break along line
	<input type="checkbox"/> Private line tie-in
	Other <u>Creek</u>

Are Manholes Accessible
 Yes
 No

ADDITIONAL COMMENTS
PIC #1 on Leak #2
MH 551 to MH 534 Replace
338' of 8"

REHABILITATION METHOD (in office)

Replace	<u>338</u>	ft. of Line	<u>8"</u>
Make	_____	Point repair(s)	
Other	_____		

XXX

MAIN LINE LEAK

6

Project: Mena Utilities SSES

Location: Church & Beine

Area: 6

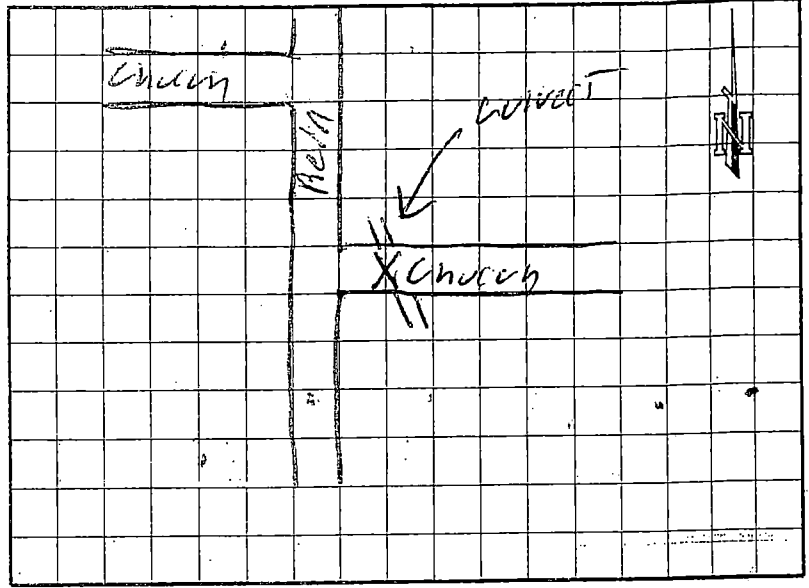
Line No. _____

Leak No. 17

Line Size: 6"

Date: 7/21/10 Time: _____

Inspector: Prody



RECOMMEND

Quantification Testing

Internal Televising

DESCRIPTION OF LEAK: Smoke coming out of culvert

MEASURED INFLOW (GPD) _____ LEAK LOCATION: _____ Feet from MH# _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

- Ponding Area ?
- Size of Hole ?
- Potential Head ?

LOCATION OF LINE

- Under Street
- Right Of Way
- Easement

COVER OVER LINE

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

DRAINAGE AREA

- Pavement _____
- Ground

LEAK SOURCE

- Ditch/Storm sewer crossing
- Ditch/Storm sewer parallels
- Ponding Area
- Potholes/Faults
- Break along line
- Private line tie-in
- Other _____

Are Manholes Accessible

- Yes
- No

ADDITIONAL COMMENTS

MH 518 to MH 517
Replace 751' of 6" line

REHABILITATION METHOD (in office)

Replace 751 ft. of Line 6"

Make _____ Point repair(s)

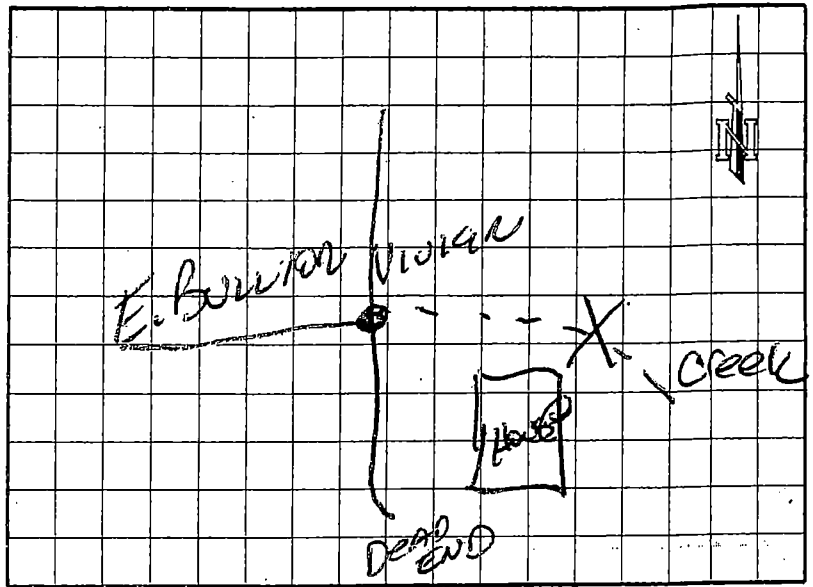
Other _____

XXX

MAIN LINE LEAK

17

Project: Mena Utilities SSES
 Location: Vivian
E BOLLION
 Area: 17
 Line No. _____
 Leak No. 18
 Line Size: 8"
 Date: 2/27/10 Time: 1007
 Inspector: Mike



RECOMMEND

Quantification Testing
 Internal Televising

DESCRIPTION OF LEAK: 8" in Creek Separated
MARKED WITH PINK + GREEN PAINT

MEASURED INFLOW (GPD) _____ LEAK LOCATION: _____ Feet from MH# _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

- Ponding Area
- Size Of Hole _____
- Potential Head _____

LOCATION OF LINE

- Under Street
- Right Of Way
- Easement

COVER OVER LINE

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other _____

DRAINAGE AREA

Pavement _____
 Ground _____

LEAK SOURCE

- Ditch/Storm sewer crossing
- Ditch/Storm sewer parallels
- Ponding Area
- Potholes/Faults
- Break along line
- Private line tie-in
- Other _____

Are Manholes Accessible

- Yes
- No

ADDITIONAL COMMENTS

Manhole @ Vivian E
BOLLION go SE along
Creek 80 yds

MH 727 to 726
Replace 479' of 8"

REHABILITATION METHOD (in office)

Replace 479 ft. of Line 8"
 Make _____ Point repair(s)
 Other _____

M/H # 712

MAIN LINE LEAK

12

Project: Mena Utilities SSES

Location: _____

Area: 12

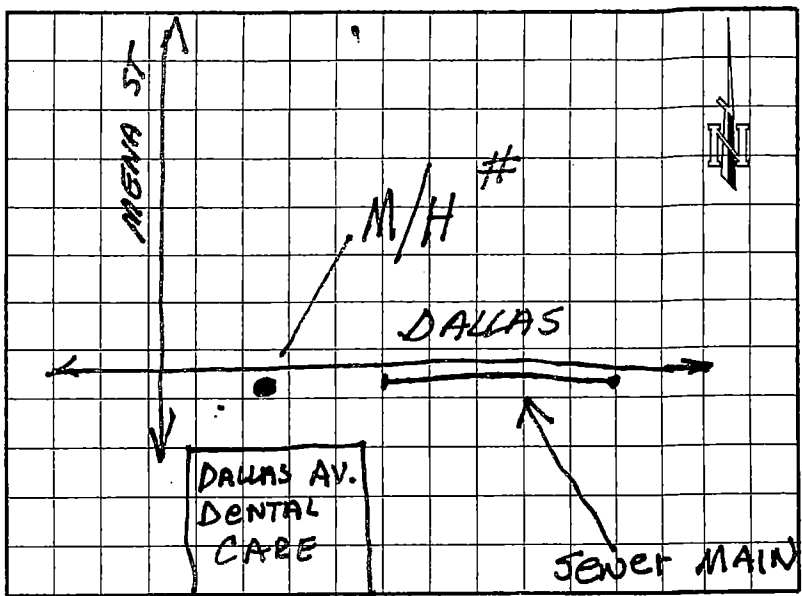
Line No. _____

Leak No. 19

Line Size: _____

Date: 7.10.10 Time: _____

Inspector: BB



RECOMMEND

Quantification Testing
Internal Televising

DESCRIPTION OF LEAK: M/H # 712 & MAIN HAS Defect. (BREAK ALONG LINE)

MEASURED INFLOW (GPD) _____ LEAK LOCATION: _____ Feet from MH# _____

<u>DEGREE OF LEAK</u>	<u>LEAK CHARACTERISTICS</u>	<u>LOCATION OF LINE</u>	<u>COVER OVER LINE</u>
-----------------------	-----------------------------	-------------------------	------------------------

Heavy
 Moderate
 Light

Ponding Area _____
 Size Of Hole _____
 Potential Head _____

Under Street
 Right Of Way
 Easement

Conc.Pavement
 Asph.Pavement
 Gravel
 Sidewalk
 Yard/Field
 Woods
 Other _____

DRAINAGE AREA

Pavement _____
 Ground _____

LEAK SOURCE

Ditch/Storm sewer crossing
 Ditch/Storm sewer parallels
 Ponding Area
 Potholes/Faults
 Break along line
 Private line tie-in
 Other _____

Are Manholes Accessible

Yes
 No

ADDITIONAL COMMENTS

MH 712 to MH 710
Replace 253' of 6" line

REHABILITATION METHOD (in office)

Replace 253 ft. of Line 6"
 Make _____ Point repair(s)
 Other _____



MAIN LINE LEAK

Project: Mena Utilities SSES

Location: Dallas AVE @ HWY 8 E

Across HWY 8 fr. Carwash

Area: 12

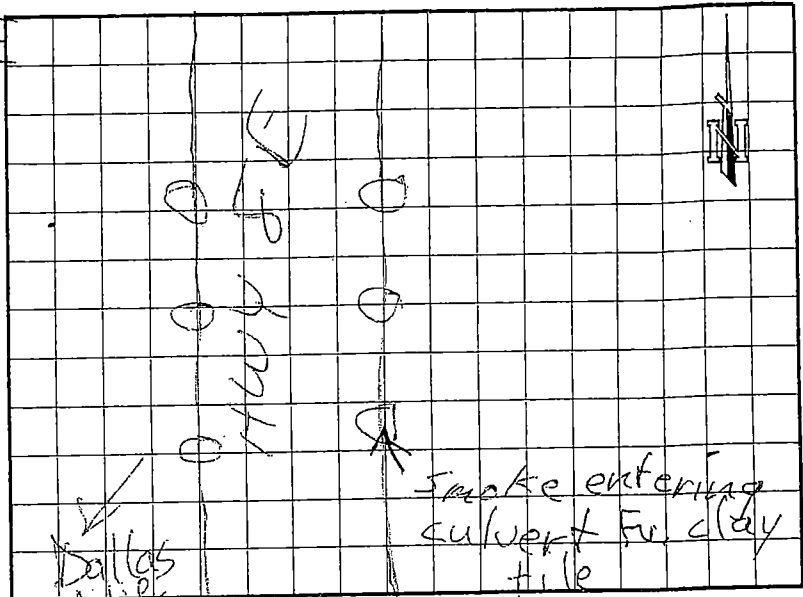
Line No. _____

Leak No. 20

Line Size: 10"

Date: 2 JULY 10 Time: 10:00

Inspector: JEFF F



RECOMMEND

Quantification Testing
Internal Televising

DESCRIPTION OF LEAK: Open 10" tile inside Large Culvert

MEASURED INFLOW (GPD) _____ LEAK LOCATION: _____ Feet from MH# _____

DEGREE OF LEAK

- Very Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area _____
Size Of Hole 10"
Potential Head _____

LOCATION OF LINE

- Under Street
- Right Of Way
- Easement

COVER OVER LINE

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

DRAINAGE AREA

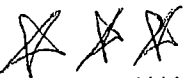
Pavement _____
Ground _____

LEAK SOURCE

- Ditch/Storm sewer crossing
- Ditch/Storm sewer parallels
- Ponding Area
- Potholes/Faults
- Break along line
- Private line tie-in
- Other _____

Are Manholes Accessible

- Yes
- No



ADDITIONAL COMMENTS

Open 10" Clay inside Large Storm Culvert Southmost of 3

MA 288 to MA 300 Replace 485' of 10" line

REHABILITATION METHOD (in office)

Replace 485 ft. of Line 10"
Make _____ Point repair(s)
Other _____

MAIN LINE LEAK

XX

Project: Mena Utilities SSES

Location: 2000 mena sites

Area: 12

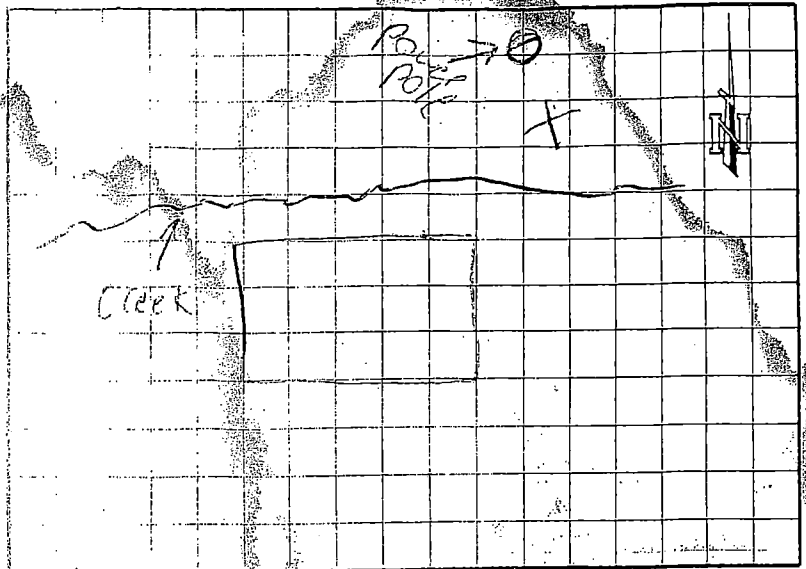
Line No. _____

Leak No. 21

Line Size: 8"

Date: _____ Time: _____

Inspector: Reidy



RECOMMEND

Quantification Testing
Internal Televising

DESCRIPTION OF LEAK: 3 large holes in ground, marked with paint & flagging

MEASURED INFLOW (GPD) _____ LEAK LOCATION: _____ Feet from MH# _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

- Ponding Area
- Size Of Hole
- Potential Head

LOCATION OF LINE

- Under Street
- Right Of Way
- Easement

COVER OVER LINE

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other _____

Are Manholes Accessible

- Yes
- No

DRAINAGE AREA

Pavement _____
Ground

LEAK SOURCE

- Ditch/Storm sewer crossing
- Ditch/Storm sewer parallels
- Ponding Area
- Potholes/Faults
- Break along line
- Private line tie-in
- Other

ADDITIONAL COMMENTS

MH 359 to MH 361
Replace 645 Ft. of 8" line

REHABILITATION METHOD (in office)

Replace 645 ft. of Line 8"
Make _____ Point repair(s)
Other _____



MAIN LINE LEAK

5

Project: Mena Utilities SSES

Location _____

Area: 5

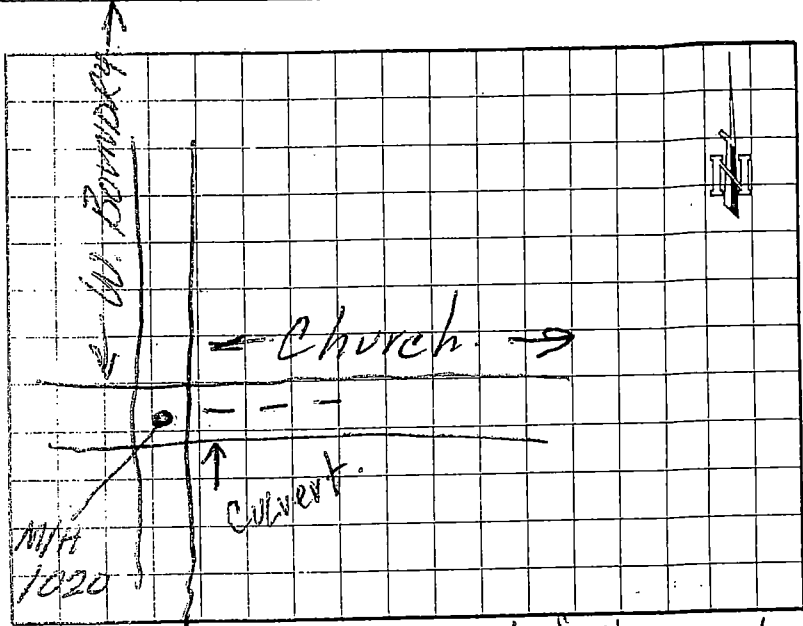
Line No. _____

Leak No. 22

Line Size: _____

Date: 9/10 Time: _____

Inspector: (Signature)



RECOMMEND

Quantification Testing

Internal Televising

DESCRIPTION OF LEAK: SMOKE COME IN FROM CULVERT & HOLE IN PAVEMENT. FROM MAIN OR M/H. Need CAMRAD

MEASURED INFLOW (GPD) _____ LEAK LOCATION: _____ Feet from MH# _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

- Ponding Area _____
- Size Of Hole _____
- Potential Head _____

LOCATION OF LINE

- Under Street
- Right Of Way
- Easement

COVER OVER LINE

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other _____

DRAINAGE AREA

- Pavement _____
- Ground

LEAK SOURCE

- Ditch/Storm sewer crossing
- Ditch/Storm sewer parallels
- Ponding Area
- Potholes/Faults
- Break along line
- Private line tie-in
- Other _____

Are Manholes Accessible

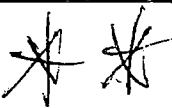
- Yes
- No

ADDITIONAL COMMENTS

MH 1020 to MH 1021
Replace 366' of 6" line

REHABILITATION METHOD (in office)

Replace 366 ft. of Line 6"
 Make _____ Point repair(s)
 Other _____



MAIN LINE LEAK

11

Project: Mena Utilities SSES

Location: 12th & OAK GROVE

Area: 11

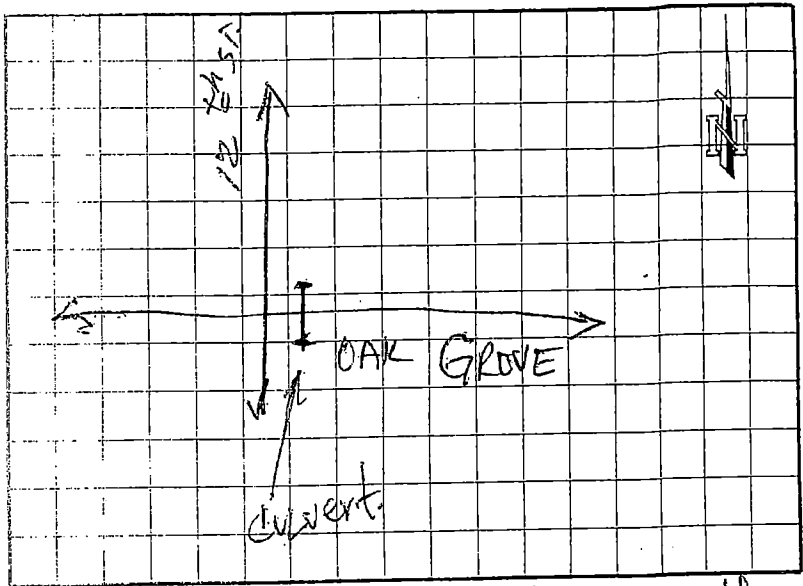
Line No. _____

Leak No. 23

Line Size: _____

Date: 8/10 Time: _____

Inspector: [Signature]



RECOMMEND

Quantification Testing

Internal Televising

DESCRIPTION OF LEAK: SMOKE COMING FROM CULVERT ON 12th LINE NEEDS CAMRAID.

MEASURED INFLOW (GPD) _____ LEAK LOCATION: _____ Feet from MH# _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

- Ponding Area _____
- Size Of Hole _____
- Potential Head _____

LOCATION OF LINE

- Under Street
- Right Of Way
- Easement

COVER OVER LINE

- Conc.Pavement
- Asph.Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

DRAINAGE AREA

- Pavement _____
- Ground

LEAK SOURCE

- Ditch/Storm sewer crossing
- Ditch/Storm sewer parallels
- Ponding Area
- Potholes/Faults
- Break along line
- Private line tie-in
- Other _____

Are Manholes Accessible

- Yes
- No

ADDITIONAL COMMENTS

~~MH 916 - MH 921~~
 Replace 462' of 12" line

REHABILITATION METHOD (in office)

Replace 462 ft. of Line 12"
 Make _____ Point repair(s)
 Other _____

MAIN LINE LEAK

16

Project: Mena Utilities SSES

Location _____

Area: 16

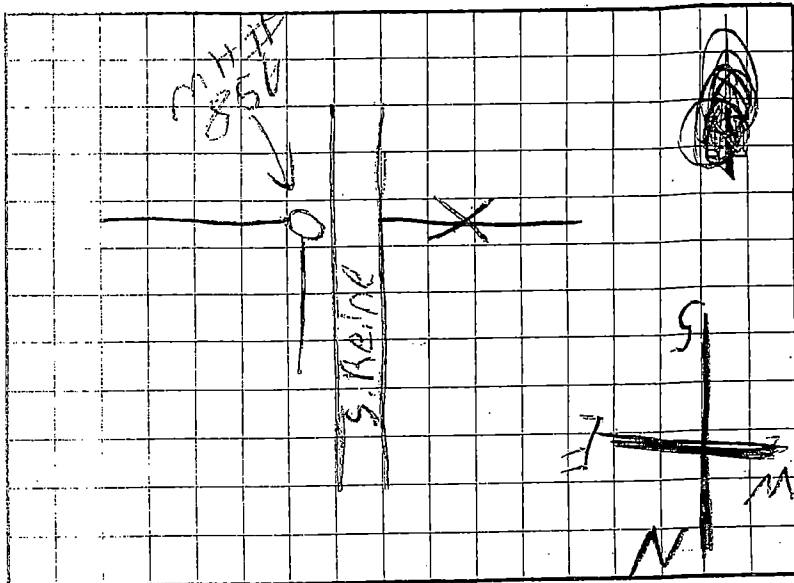
Line No. _____

Leak No. 20 24

Line Size: _____

Date: _____ Time: _____

Inspector: _____



RECOMMEND

Quantification Testing
 Internal Televising

DESCRIPTION OF LEAK: _____

MEASURED INFLOW (GPD) _____ LEAK LOCATION: _____ Feet from MH# _____

DEGREE OF LEAK

- Heavy
- Moderate
- Light

LEAK CHARACTERISTICS

Ponding Area 100 sq. ft.
 Size Of Hole 6"
 Potential Head 4"

LOCATION OF LINE

- Under Street
- Right Of Way
- Easement

COVER OVER LINE

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods
- Other _____

DRAINAGE AREA

Pavement _____
 Ground

LEAK SOURCE

- Ditch/Storm sewer crossing
- Ditch/Storm sewer parallels
- Ponding Area
- Potholes/Faults
- Break along line
- Private line tie-in
- Other _____

Are Manholes Accessible

- Yes
- No

ADDITIONAL COMMENTS

~~_____~~

MH 856 to MH 855
Replace 396' of 8"

REHABILITATION METHOD (in office)

Replace 396' ft. of Line 8"
 Make _____ Point repair(s)
 Other _____

EXHIBIT D
Lift Station Reports

EXHIBIT E
Manhole Evaluation Reports:
Improvements Not Recommended

**MANHOLE EVALUATION FORMS:
IMPROVEMENTS NOT RECOMMENDED**

Manhole No.	Manhole Condition	Date of Inspection
292	POOR	7/2/2010
359	POOR	7/2/2010
364	POOR	7/1/2010
379	POOR	7/1/2010
461	POOR	7/21/2010
519	POOR	7/21/2010
636	POOR	8/19/2010
663	POOR	9/23/2010
734	POOR	7/22/2010
749	POOR	7/22/2010
782 1/2	POOR	8/1/2010
1036	POOR	3/1/2011
298	FAIR	7/2/2010
319	FAIR	8/1/2010
378	FAIR	7/1/2010
388	FAIR	8/1/2010
393	FAIR	3/2/2011
394	FAIR	3/2/2011
396	FAIR	3/2/2011
404	FAIR	3/2/2011
407	FAIR	3/2/2011
409	FAIR	3/2/2011
414	FAIR	3/2/2011
446	FAIR	3/2/2011
458	FAIR	7/21/2010
460	FAIR	3/7/2011
480	FAIR	2/22/2011
481	FAIR	2/22/2011
501	FAIR	3/7/2011
511	FAIR	6/23/2010
535	FAIR	6/28/2010
606	FAIR	2/23/2011
611	FAIR	6/23/2010

160
162

**MANHOLE EVALUATION FORMS:
IMPROVEMENTS NOT RECOMMENDED**

Manhole No.	Manhole Condition	Date of Inspection
625	FAIR	6/23/2010
628	FAIR	6/23/2010
643	FAIR	2/28/2011
644	FAIR	2/28/2011
677	FAIR	7/22/2010
679	FAIR	7/22/2010
699	FAIR	7/1/2010
710	FAIR	7/1/2010
753	FAIR	7/23/2010
901	FAIR	7/23/2010
914	FAIR	8/1/2010
949	FAIR	3/1/2011
951	FAIR	3/1/2011
952	FAIR	3/1/2011
956	FAIR	2/23/2011
969	FAIR	8/1/2010
971	FAIR	2/24/2011
1019 1/2	FAIR	2/23/2011
1032	FAIR	2/28/2011
1051	FAIR	3/1/2011
1051 1/2	FAIR	3/1/2011
1053	FAIR	2/23/2011
1068 1/2	FAIR	8/1/2010
122	GOOD	7/21/2010
180	GOOD	7/23/2010
199	GOOD	7/23/2010
248	GOOD	7/23/2010
296	GOOD	7/2/2010
313	GOOD	7/23/2010
335	GOOD	7/2/2010
353	GOOD	7/1/2010
367	GOOD	7/1/2010
411	GOOD	3/2/2011

**MANHOLE EVALUATION FORMS:
IMPROVEMENTS NOT RECOMMENDED**

Manhole No.	Manhole Condition	Date of Inspection
413	GOOD	3/2/2011
415	GOOD	3/2/2011
417	GOOD	3/2/2011
420	GOOD	3/2/2011
422	GOOD	3/2/2011
433	GOOD	3/2/2011
434	GOOD	3/2/2011
441	GOOD	3/2/2011
442	GOOD	3/2/2011
443	GOOD	3/2/2011
452	GOOD	3/2/2011
453	GOOD	3/2/2011
463 1/2 ✓	GOOD	7/21/2010
466 ✓	GOOD	3/7/2011
468 ✓	GOOD	2/22/2011
469 ✓	GOOD	2/22/2011
479 ✓	GOOD	3/7/2011
482 ✓	GOOD	2/22/2011
499 ✓	GOOD	2/22/2011
503 ✓	GOOD	3/7/2011
517 ✓	GOOD	3/7/2011
L 529 ✓	GOOD	2/23/2011
559 ✓	GOOD	7/22/2010
568 ✓	GOOD	7/1/2010
572 ✓	GOOD	6/28/2010
574 ✓	GOOD	6/28/2010
586 ✓	GOOD	7/23/2010
597 ✓	GOOD	2/23/2011
604 ✓	GOOD	6/23/2010
607 ✓	GOOD	2/23/2011
608 ✓	GOOD	2/23/2011
612 ✓	GOOD	6/22/2010
613 ✓	GOOD	6/23/2010

**MANHOLE EVALUATION FORMS:
IMPROVEMENTS NOT RECOMMENDED**

Manhole No.	Manhole Condition	Date of Inspection
616 ✓	GOOD	7/23/2010
626 ✓ ?	GOOD	6/23/2010
633 ✓	GOOD	7/23/2010
651 ✓	GOOD	7/22/2010
653 ✓	GOOD	7/22/2010
700 ✓ ?	GOOD	6/22/2010
703 ✓	GOOD	7/1/2010
729 ✓	GOOD	7/22/2010
733 ✓	GOOD	7/22/2010
736 ✓	GOOD	7/22/2010
745 ✓	GOOD	7/22/2010
761 ✓	GOOD	2/24/2011
792 ✓	GOOD	7/23/2010
805 ✓	GOOD	7/23/2010
807 ✓	GOOD	7/23/2010
816 ✓	GOOD	7/23/2010
841 ✓	GOOD	7/23/2010
856 ✓ ?	GOOD	7/23/2010
864 ✓ ?	GOOD	7/23/2010
864 ✓ ?	GOOD	7/23/2010
881 ✓	GOOD	7/23/2010
895 ✓	GOOD	3/2/2011
897 ✓	GOOD	3/2/2011
935 ✓	GOOD	3/1/2011
937 ✓	GOOD	3/1/2011
940 ✓	GOOD	3/1/2011
941 ✓	GOOD	2/23/2011
942 ✓	GOOD	2/23/2011
943 ✓	GOOD	2/23/2011
944 ✓	GOOD	2/22/2011
950 ✓	GOOD	3/1/2011
953 ✓	GOOD	3/1/2011
978 ✓ ?	GOOD	6/30/2010

**MANHOLE EVALUATION FORMS:
IMPROVEMENTS NOT RECOMMENDED**

Manhole No.	Manhole Condition	Date of Inspection
982 ✓ ?	GOOD	6/30/2010
992 ✓	GOOD	2/23/2011
994 ✓	GOOD	6/30/2010
999 ✓	GOOD	6/30/2010
1001 ✓ ?	GOOD	7/23/2010
1003 ✓	GOOD	6/30/2010
1011 ✓	GOOD	2/28/2011
1012 ✓	GOOD	2/28/2011
1013 ✓	GOOD	2/28/2011
1013B ✓	GOOD	2/28/2011
1013C ✓	GOOD	2/28/2011
1013D ✓	GOOD	2/28/2011
1013E ✓	GOOD	2/28/2011
1015 ✓	GOOD	2/28/2011
1015B ✓	GOOD	2/28/2011
1015D ✓	GOOD	2/28/2011
1016 ✓	GOOD	2/28/2011
1018 ✓	GOOD	2/28/2011
* 1020 ✓	GOOD	2/23/2011
1021 ✓	GOOD	2/23/2011
1024 ✓	GOOD	2/23/2011
1025 ✓	GOOD	3/11/2011
1026 ✓	GOOD	3/2/2011
1027 ✓	GOOD	3/2/2011
1029 ✓	GOOD	3/2/2011
1043 ✓	GOOD	7/23/2010
1044 ✓	GOOD	2/28/2011
1045 ✓	GOOD	2/28/2011
1047 ✓	GOOD	2/28/2011
1049 ✓	GOOD	2/28/2011
1050 ✓	GOOD	3/1/2011
1051 ✓	GOOD	7/23/2010
1052 ✓	GOOD	2/23/2011

**MANHOLE EVALUATION FORMS:
IMPROVEMENTS NOT RECOMMENDED**

Manhole No.	Manhole Condition	Date of Inspection
1052 1/2 ✓	GOOD	2/23/2011
1061 ✓	GOOD	2/23/2011
1062 ✓	GOOD	2/28/2011
1062B ✓	GOOD	2/28/2011
1063 ✓	GOOD	2/23/2011
1064 ✓	GOOD	2/28/2011
1065 ✓	GOOD	2/28/2011
1070 ✓	GOOD	3/2/2011
1076 ✓	GOOD	3/2/2011
1078 ✓	GOOD	3/2/2011
1079 ✓	GOOD	3/2/2011
1082 ✓	GOOD	3/2/2011
1084 ✓	GOOD	7/23/2010
1093 ✓	GOOD	7/23/2010
1098 ✓	GOOD	7/23/2010
1120 ✓	GOOD	7/23/2010
1123 ✓	GOOD	7/23/2010
1126 ✓	GOOD	7/23/2010
1131 ✓	GOOD	7/23/2010

Total 184

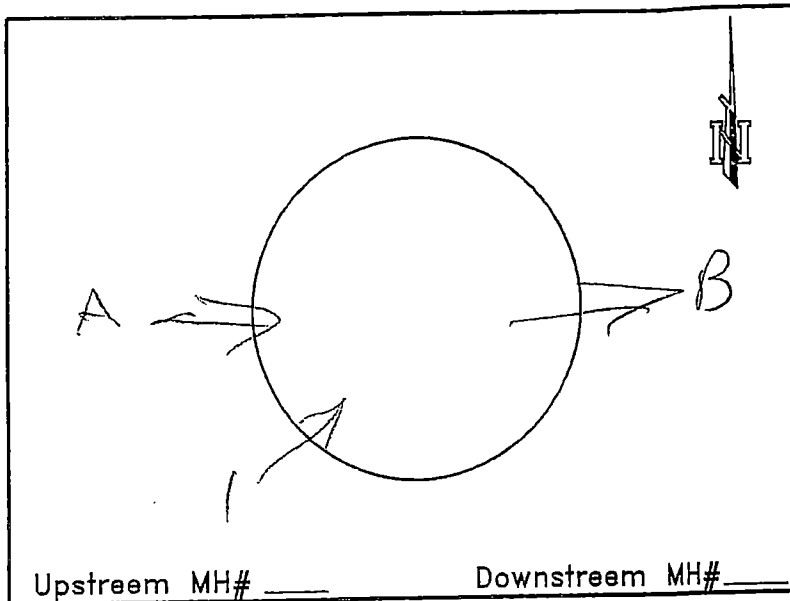
All checked
& entered on D.B.

EXHIBIT E
Manhole Evaluation Reports:
Improvements Not Recommended
(Poor Condition)

MANHOLE EVALUATION

12

Project: Mena Utilities SSES
 Location: Cherry & Dallas
AREA 12
 Basin: _____
 MH No. 292
 Date: 2 JULY 10 Time: 0945
 Inspector: Jeff F



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter
 Brick 6 ft. Depth
 Fiberglass
 Other 24" Lid Size

Clay

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8"	Clay	6'	1	4"	Clay	3'
B	8"	1"	6'	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

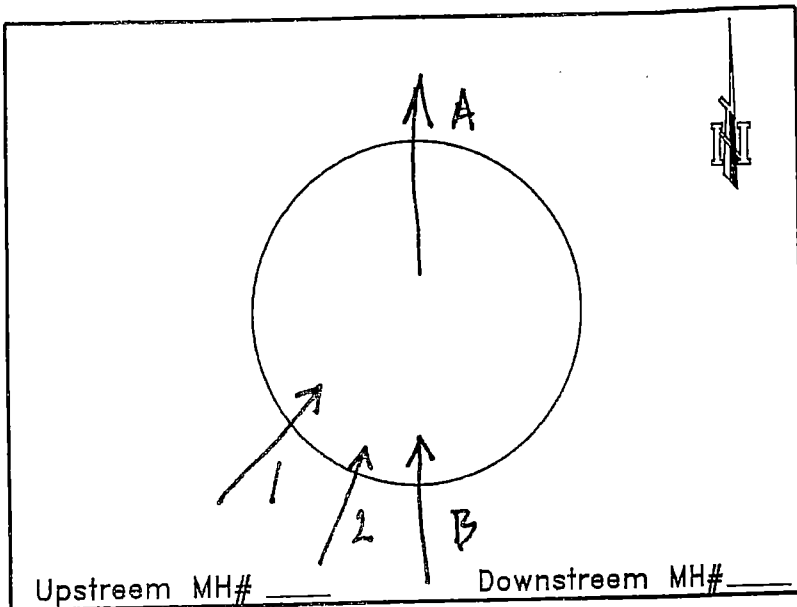
Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

12

Project: Mena Utilities SSES
 Location: SIGSBEE & MENA
 Basin: _____
 MH No: 359
 Date: 7.2.10 Time: _____
 Inspector: (Signature)



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter
 Brick 3.7 ft. Depth
 Fiberglass
 Other 23.5 Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	CLAY	3.7	1	6	CLAY	3.7
B	6	1	3.7	2	6	1	3.7
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

12

Project: Mena Utilities SSES

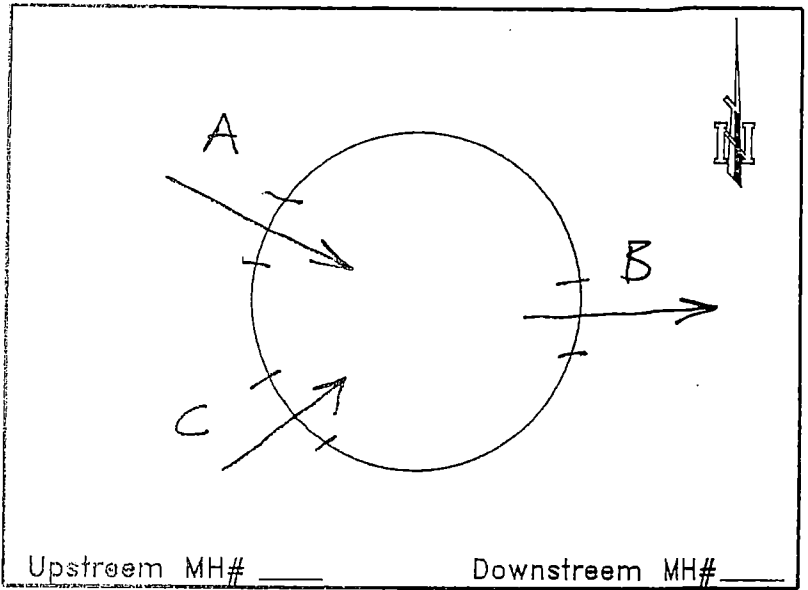
Location: _____

Basin: SEC 12

MH No. 344

Date: 7-1-10 Time: _____

Inspector: BE



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input checked="" type="checkbox"/> Brick	<u>3'</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>23.5</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY	
<input type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input checked="" type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CLAY	3'	1			
B	8	CLAY	3'	2			
C	8	CLAY	3'	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION
<input type="checkbox"/> Good
<input type="checkbox"/> Fair
<input checked="" type="checkbox"/> Poor
<input type="checkbox"/> Debris in Flowline
<input type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surcharge
<input type="checkbox"/> Evidence of Infiltration
<input type="checkbox"/> Other _____

SOURCE OF LEAK
<input type="checkbox"/> Main Line Pipe Penetrations
<input type="checkbox"/> Service Penetrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole In Lid
<input type="checkbox"/> Other _____

REHABILITATION (in office)
<input type="checkbox"/> Replace Manhole
<input type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top Cone & Lid
<input type="checkbox"/> Seal Inside of Manhole
<input type="checkbox"/> Grout in Pipe Penetration
Other _____

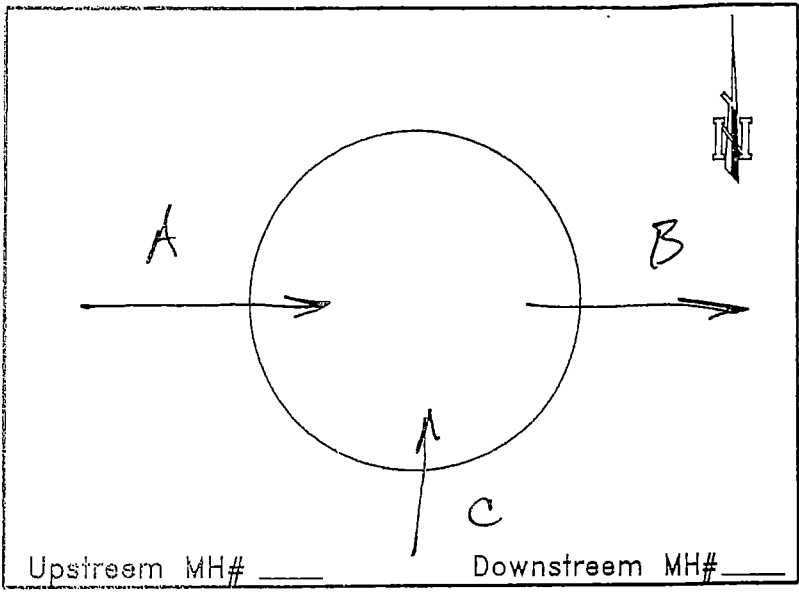
ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

12

Project: Mena Utilities SSES
 Location: GILLHAM & DEQUEEN

Basin: _____
 MH No: 379
 Date: 7.1.10 Time: _____
 Inspector: BW



TYPE OF MH DESCRIPTION

Concrete 4 ft. Diameter
 Brick 4 ft. Depth
 Fiberglass
 Other 23.5 Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CLAY	4'	1			
B	8	5	4'	2			
C	6	6	4'	3			
D				4			

PVC--Plastic, CI--Cast Iron, CL--Clay, DI--Ductile, C--Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

6

Project: Mena Utilities SSES

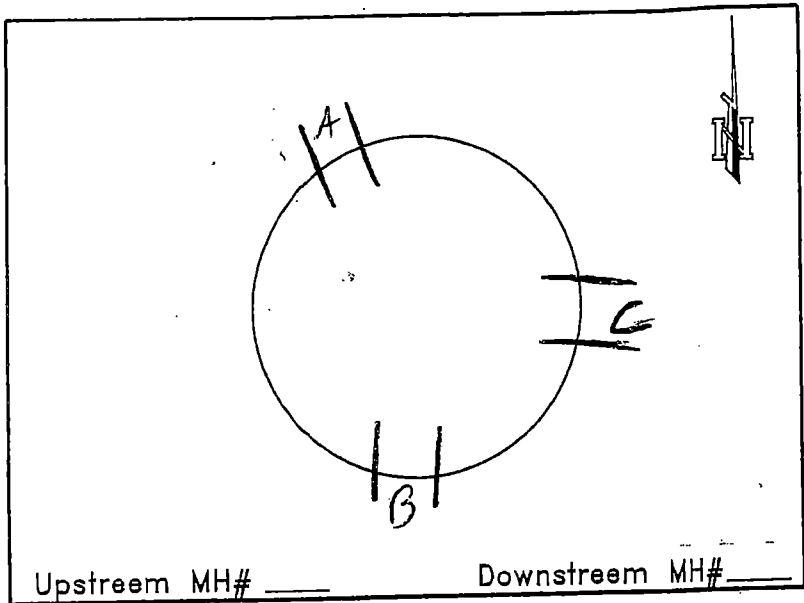
Location: ~~6~~

Basin: 6

MH No. 461

Date: 7/21/10 Time: _____

Inspector: ~~Rodney~~ Rodney



TYPE OF MH	DESCRIPTION
<input type="checkbox"/>	Concrete <u>4</u> ft. Diameter
<input checked="" type="checkbox"/>	Brick <u>6</u> ft. Depth
<input type="checkbox"/>	Fiberglass
<input type="checkbox"/>	Other <u>23 1/2</u> Lid Size

TYPE OF PROPERTY

<input type="checkbox"/>	Residence	<input type="checkbox"/>	Trailer Park
<input type="checkbox"/>	Business	<input type="checkbox"/>	Vacant Lot
<input type="checkbox"/>	Apartment	<input checked="" type="checkbox"/>	Other: <u>all</u>

COVER OVER MANHOLE

<input checked="" type="checkbox"/>	Conc. Pavement	<input type="checkbox"/>	Sidewalk
<input type="checkbox"/>	Asph. Pavement	<input type="checkbox"/>	Yard/Field
<input type="checkbox"/>	Gravel	<input type="checkbox"/>	Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	<u>16</u>	<u>CL</u>	<u>5 1/2</u>	1			
B	<u>18</u>	<u>PVC</u>	<u>5 1/2</u>	2			
C	<u>18</u>	<u>CL</u>	<u>5 1/2</u>	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

<input type="checkbox"/>	Good
<input type="checkbox"/>	Fair
<input checked="" type="checkbox"/>	Poor
<input checked="" type="checkbox"/>	Debris in Flowline
<input checked="" type="checkbox"/>	Debris on Bench
<input type="checkbox"/>	Evidence of Surge
<input type="checkbox"/>	Evidence of Infiltration
<input type="checkbox"/>	Other _____

SOURCE OF LEAK

<input type="checkbox"/>	Main Line Pipe Penetrations
<input type="checkbox"/>	Service Penetrations
<input type="checkbox"/>	Manhole Joints
<input type="checkbox"/>	Cone Broken
<input type="checkbox"/>	Lid Broken
<input type="checkbox"/>	Lid Missing
<input type="checkbox"/>	Hole In Lid
<input type="checkbox"/>	Other _____

REHABILITATION (in office)

<input type="checkbox"/>	Replace Manhole
<input type="checkbox"/>	Clean-out Manhole
<input type="checkbox"/>	Re-Build Bench <u>23 1/2</u>
<input type="checkbox"/>	Replace Ring & Cover
<input type="checkbox"/>	Re-Grout Top Cone & Lid
<input type="checkbox"/>	Seal Inside of Manhole
<input type="checkbox"/>	Grout in Pipe Penetration
<input type="checkbox"/>	Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

6

Project: Mena Utilities SSES

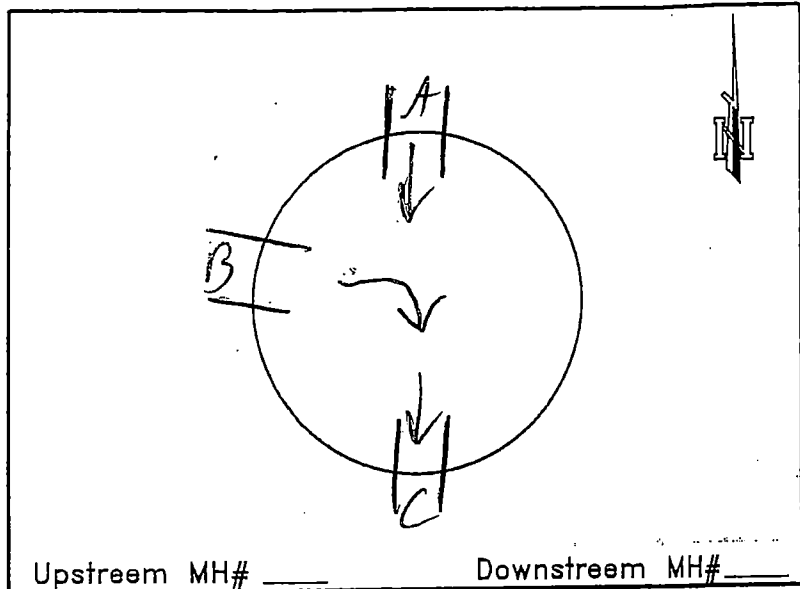
Location: intersection of Church & Beine

Basin: _____

MH No. 5/9

Date: 7/21/10 Time: _____

Inspector: Badey



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>2</u> ft. Diameter
<input checked="" type="checkbox"/> Brick	<u>2</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>24</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY

<input type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input checked="" type="checkbox"/> Other <u>Street</u>

COVER OVER MANHOLE

<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	CL	2 1/2	1			
B	6	CL	2 1/2	2			
C	6	CL	2 1/2	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

<input type="checkbox"/> Good
<input type="checkbox"/> Fair
<input checked="" type="checkbox"/> Poor
<input type="checkbox"/> Debris in Flowline
<input type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surcharge
<input type="checkbox"/> Evidence of Infiltration
<input type="checkbox"/> Other _____

SOURCE OF LEAK

<input type="checkbox"/> Main Line Pipe Penitrations
<input type="checkbox"/> Service Penitrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole In Lid
<input type="checkbox"/> Other _____

REHABILITATION (in office)

<input type="checkbox"/> Replace Manhole
<input type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top Cone & Lid
<input type="checkbox"/> Seal Inside of Manhole
<input type="checkbox"/> Grout in Pipe Penetration
<input type="checkbox"/> Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION 23

Project: Mena Utilities SSES

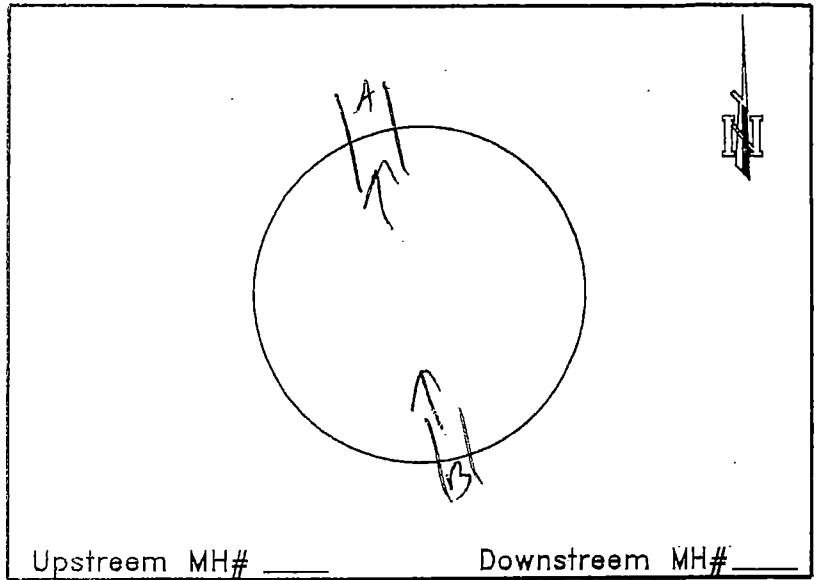
Location: _____

Basin: 23

MH No. 636

Date: 8/19/10 Time: _____

Inspector: Rodney



TYPE OF MH DESCRIPTION

- Concrete 3 ft. Diameter
- Brick 2 1/2 ft. Depth
- Fiberglass
- Other 2 1/2 Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
 - Asph. Pavement Yard/Field
 - Gravel Woods
- Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	2 1/2	1			
B	6	PVC	2 1/2	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

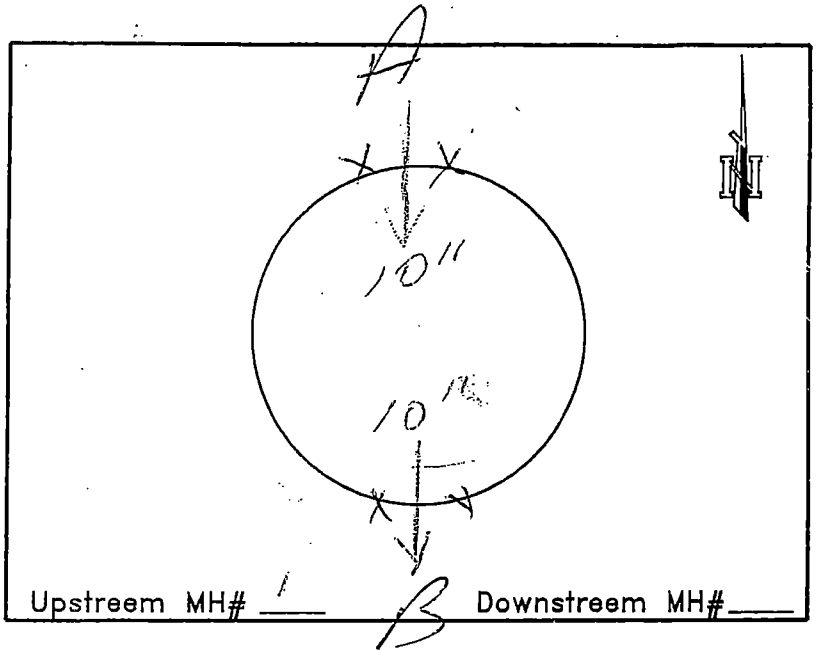
REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: Right of way from 375
 Basin: _____
 MH No. 1063
 Date: Sept 23 Time: _____
 Inspector: M. Ko



TYPE OF MH **DESCRIPTION**

Concrete _____ ft. Diameter
 Brick _____ ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other Right of way

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10			1			
B	10			2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods

Other _____

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS Heavy I & T
Turned over to ICM

MANHOLE EVALUATION 17

Project: Mena Utilities SSES

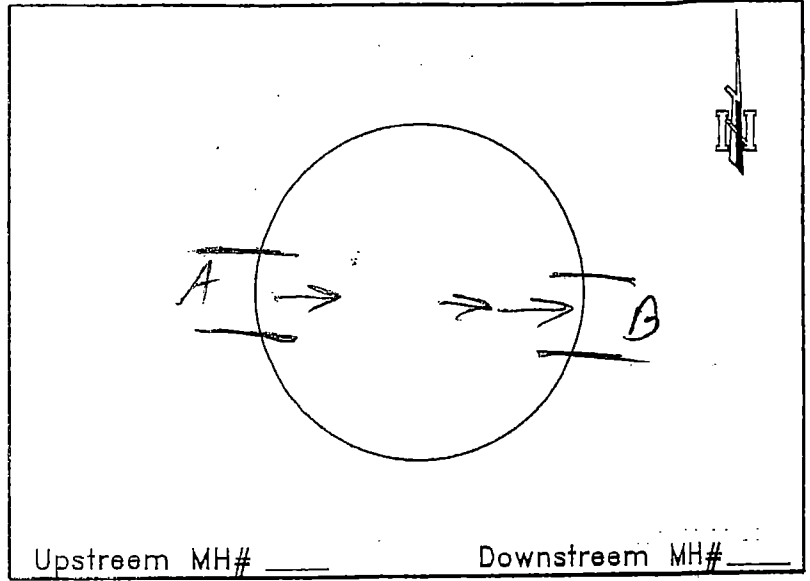
Location: _____

Basin: _____

MH No. 734

Date: 7/22/10 Time: _____

Inspector: Borey



TYPE OF MH DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 6 ft. Depth
- Fiberglass
- Other 24 Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other Streets

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other ditch

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10"	TLCS	5'	1			
B	10"	TLCS	6'	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

17

Project: Mena Utilities SSES

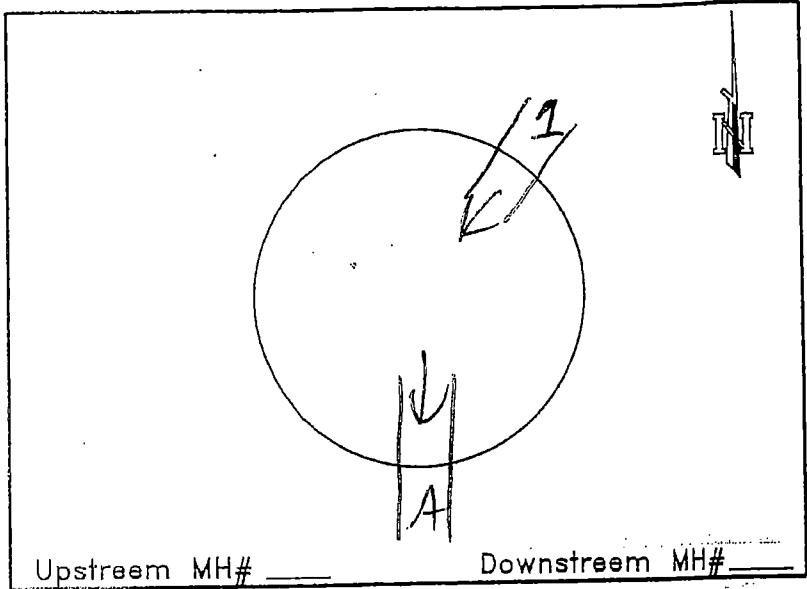
Location: End of Whispering
Pilot

Basin: _____

MH No. 749

Date: 7/22/10 Time: _____

Inspector: Boley



TYPE OF MH DESCRIPTION

- Concrete 2 1/2 ft. Diameter
- Brick 4 ft. Depth
- Fiberglass
- Other 23 1/2 Lid Size

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other Street

COVER OVER MANHOLE

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	4.6	1	4"	PVC	3
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration

Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

11

Project: Mena Utilities SSES

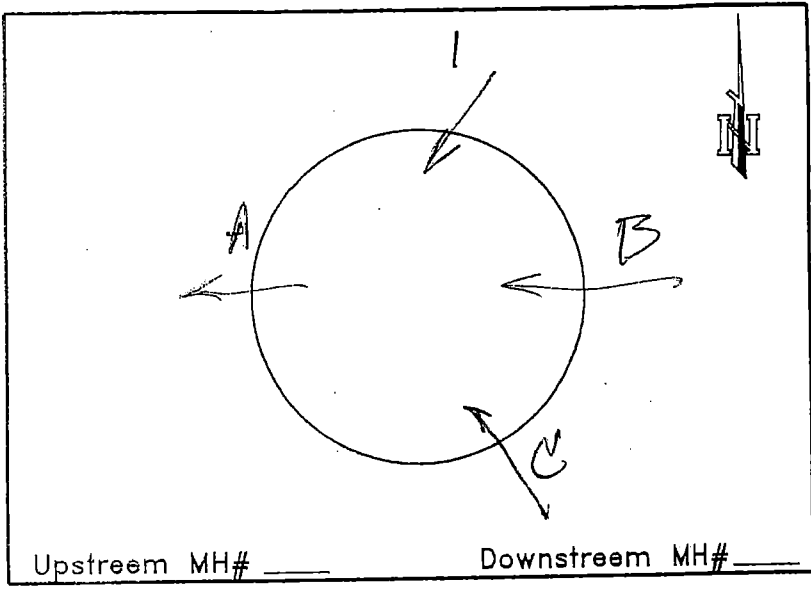
Location: GILAM ST

Basin: _____

MH No. UP GILAM FROM M/A # 782
NOT ON MAP

Date: 8/10 Time: _____

Inspector: BB



TYPE OF MH

DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 4 ft. Depth
- Fiberglass
- Other 27.5 Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	CLAY	4	1	4	PVC	2
B	6	1	4	2			
C	6	1	2	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

INT FROM JOINTS & ROOT IN M/H

MANHOLE EVALUATION

10

Project: Mena Utilities SSES

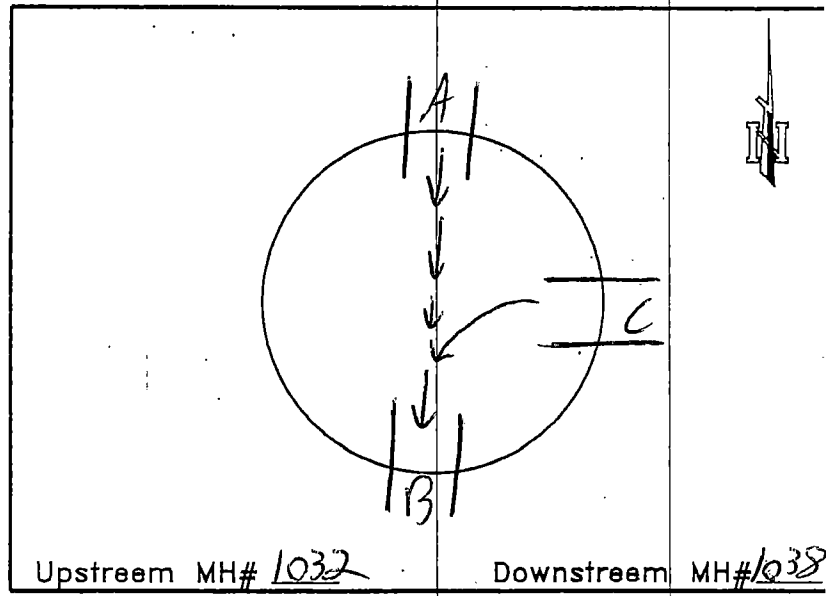
Location: on vermillion between Hensley & Reeves

Basin: 10

MH No. 103b

Date: 3/1/11 Time: _____

Inspector: Booley



TYPE OF MH DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 14 ft. Depth
- Fiberglass
- Other 24 Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	TISS	14	1			
B	10	TISS	14	2			
C	6	PVC	8	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

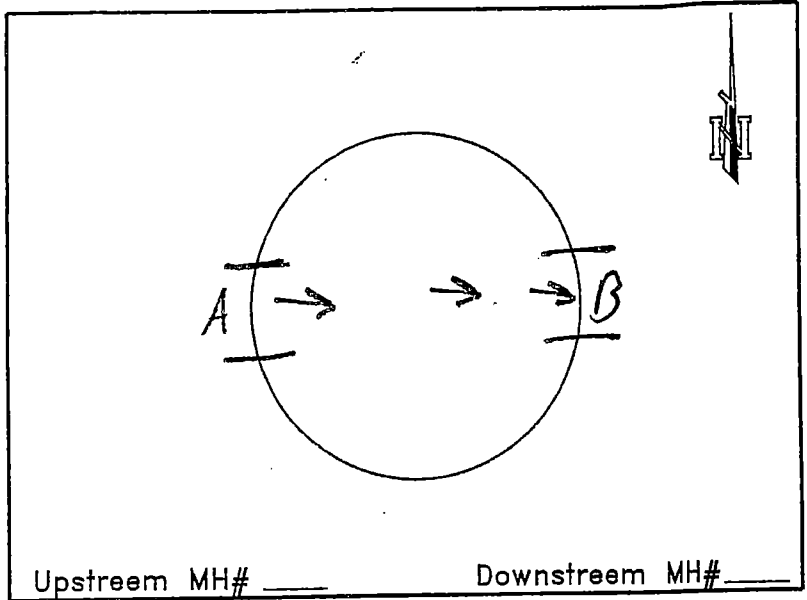
ADDITIONAL COMMENTS

EXHIBIT E
Manhole Evaluation Reports:
Improvements Not Recommended
(Fair Condition)

MANHOLE EVALUATION

12

Project: Mena Utilities SSES
 Location: in front of 709
petrose in street
 Basin: _____
 MH No. 298
 Date: 7/2/10 Time: _____
 Inspector: Bodley



TYPE OF MH **DESCRIPTION**

Concrete 4' ft. Diameter
 Brick 55" ft. Depth
 Fiberglass
 Other 23 1/2" Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other STREET

COVER OVER MANHOLE

Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods
 Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8"	C	59"	1			
B	8"	C	59"	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

7

Project: Mena Utilities SSES

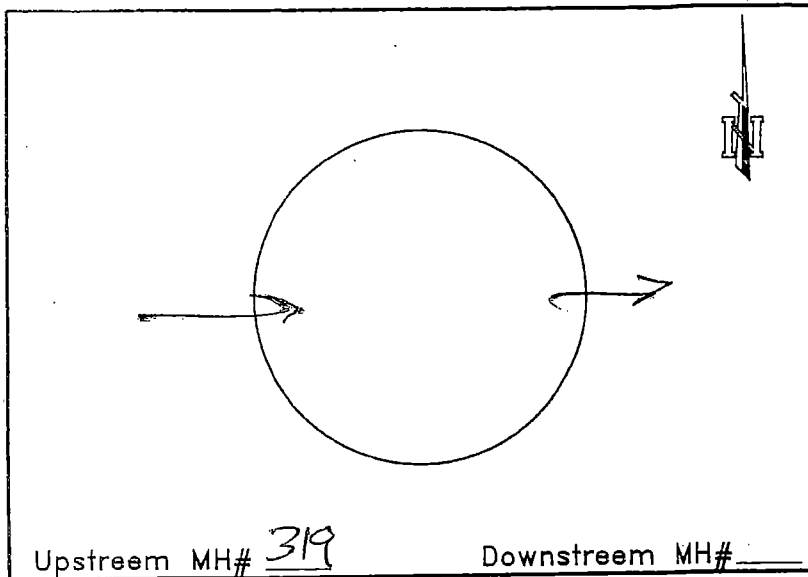
Location: ON Hornbeck

Basin: _____

MH No. 319

Date: 8/10 Time: _____

Inspector: 8/10



TYPE OF MH DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 5.8 ft. Depth
- Fiberglass 23.5 Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	18	con	5.8	1			
B	18	1	5.8	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole in Lid
- Other _____

REHABILITATION (in office)

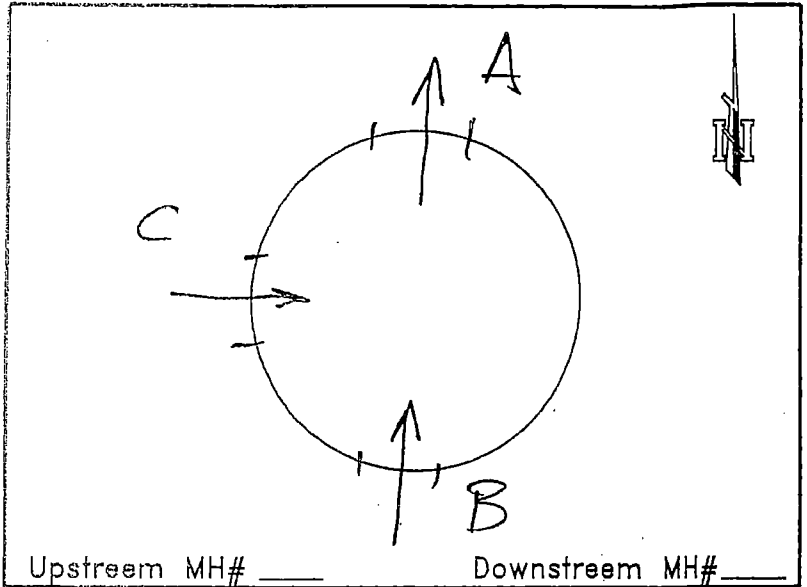
- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

12

Project: Mena Utilities SSES
 Location: 1/2 BETWEEN DEQUEEN
& MENA ST. ON 4TH
 Basin: SEC. 12
 MH No. 378
 Date: 7-1-10 Time: _____
 Inspector: (BB)



TYPE OF MH DESCRIPTION

Concrete 4 ft. Diameter
 Brick 3.7 ft. Depth
 Fiberglass
 Other 23.5 Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods
 Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CLAY	3.7	1			
B	8	CLAY	3.7	2			
C	8	CLAY	3.7	3			
D				4			

PVC--Plastic, CI--Cast Iron, CL--Clay, DI--Ductile, C--Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

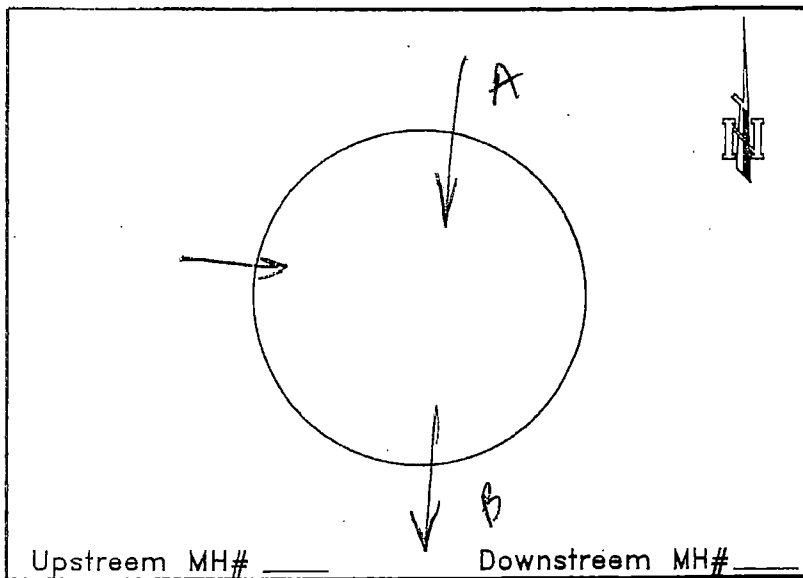
REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION 7

Project: Mena Utilities SSES
 Location: 1st & MARTIN
 Basin: _____
 MH No. 378
 Date: 8/10 Time: _____
 Inspector: (Signature)



TYPE OF MH

DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 6 ft. Depth
- Fiberglass
- Other 23.5 Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	18	CON	4	1	6	CLA	4"
B	1	1	4	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION 7

Project: Mena Utilities SSES

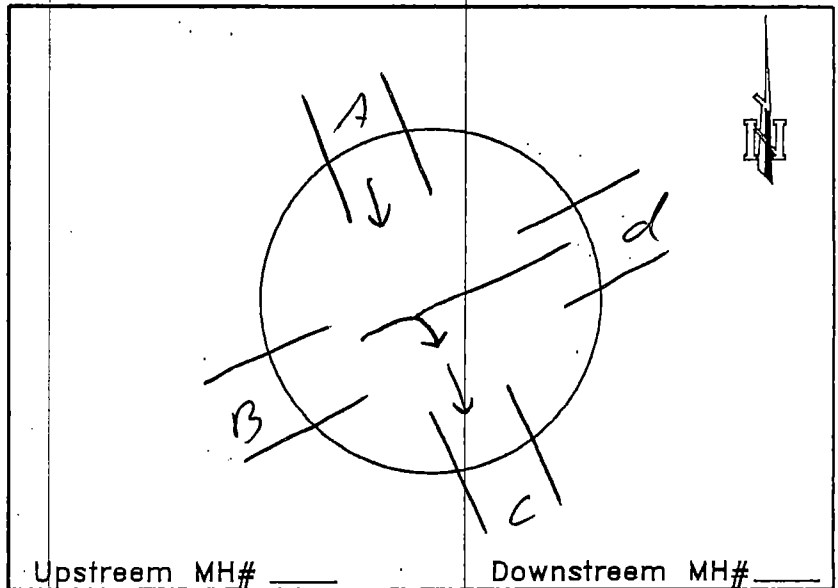
Location: On Jackson between
Canby & 4th

Basin: 7

MH No. 393

Date: 3/2/11 Time: _____

Inspector: Rodley



TYPE OF MH

DESCRIPTION

- Concrete 6 ft. Diameter
- Brick 9 ft. Depth
- Fiberglass 23 1/2 Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other Street

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asp. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	CL	9	1			
B	10	CL	9	2			
C	10	CL	9	3			
D	10	CL	9	4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

SOURCE OF LEAK

REHABILITATION (in office)

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surge
- Evidence of Infiltration
- Other _____

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole in Lid
- Other _____

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION 7

Project: Mena Utilities SSES

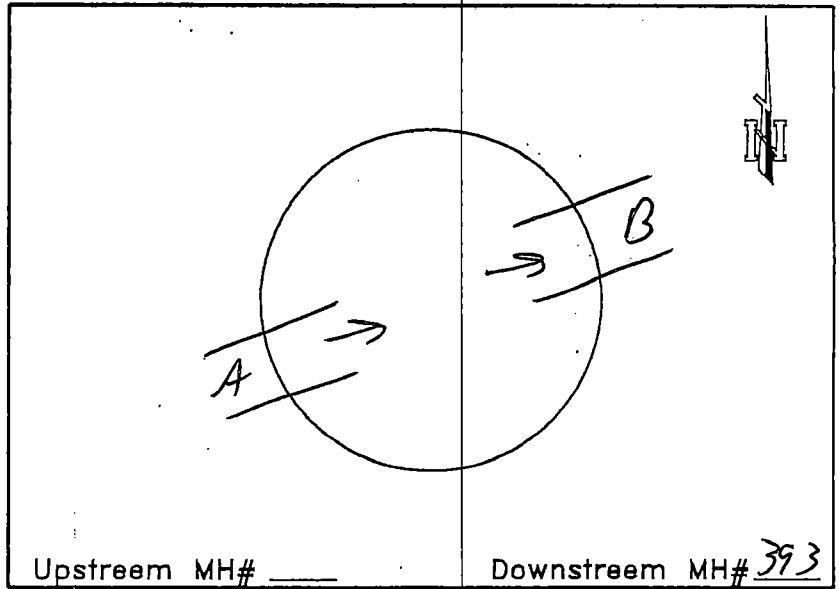
Location: Inflant Of Steeling 5
building on Jansar

Basin: 7

MH No. 394

Date: 3/2/11 Time: _____

Inspector: Bodley



TYPE OF MH

DESCRIPTION

- Concrete 6 ft. Diameter
 Brick 5 ft. Depth
 Fiberglass 23 1/2 Lid Size
 Other _____

TYPE OF PROPERTY

- Residence Trailer Park
 Business Vacant Lot
 Apartment Other Street

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	5	1			
B	8	TISS	5	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
 Fair
 Poor
 Debris In Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

- Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout In Pipe Penetration
 Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

7

Project: Mena Utilities SSES

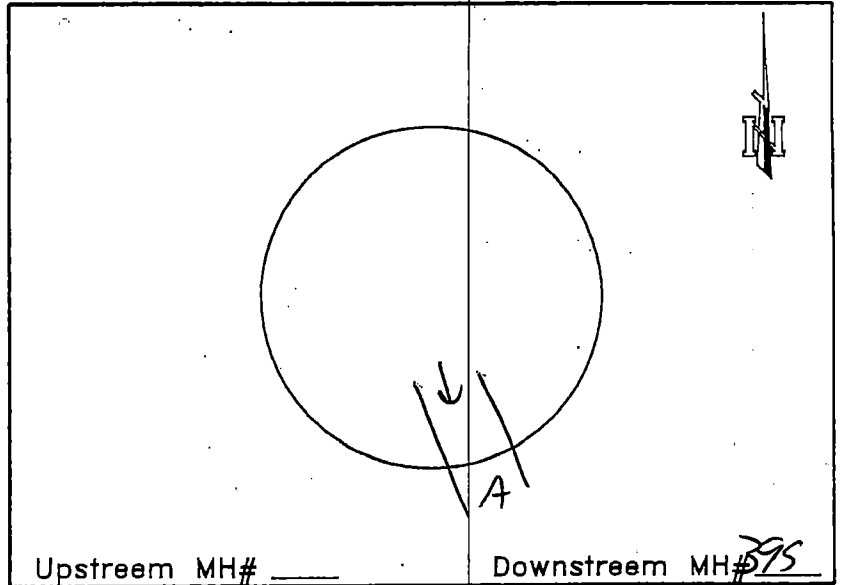
Location: 602 Canby

Basin: 7

MH No. 396

Date: 3/2/11 Time: _____

Inspector: Prody



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>6</u> ft. Diameter
<input type="checkbox"/> Brick	<u>6</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>23 1/2</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY	
<input type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input checked="" type="checkbox"/> Other <u>Streets</u>

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	7655	6	1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asp. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods

Other _____

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole in Lid
- Other _____

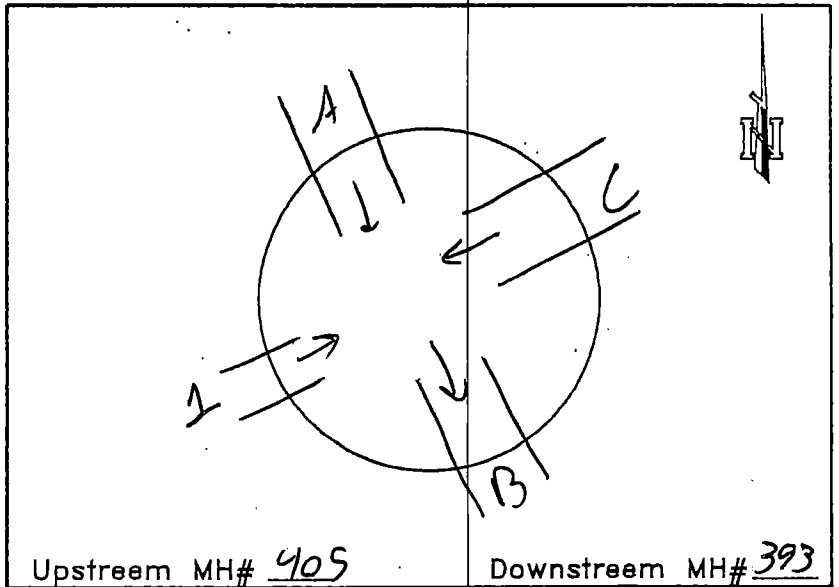
REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION 7

Project: Mena Utilities SSES
 Location: in front of shop.
maple & 1st
 Basin: 7
 MH No. 404
 Date: 3/2/11 Time: _____
 Inspector: Rodey



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>6</u> ft. Diameter
<input checked="" type="checkbox"/> Brick	<u>10</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>24</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY

<input type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input checked="" type="checkbox"/> Other <u>Street</u>

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CL	10	1	4	PVC	5
B	8	CL	10	2			
C	8	CL	10	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods

Other _____

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

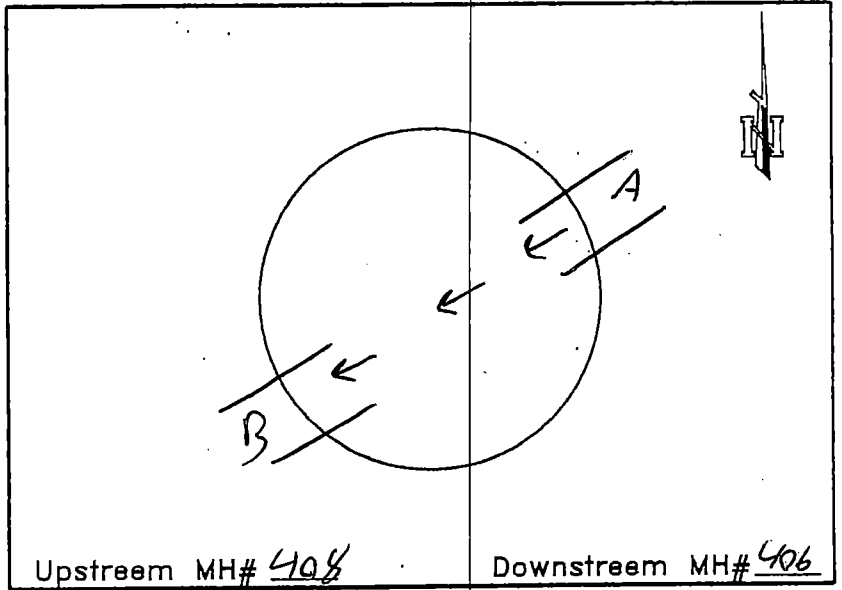
Location: in front of 91 Church

Basin: 7

MH No. 407

Date: 3/2/11 Time: _____

Inspector: Boley



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>6</u> ft. Diameter
<input type="checkbox"/> Brick	<u>6</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>24</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY	
<input type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input checked="" type="checkbox"/> Other <u>Street</u>

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	Tees	6	1			
B	8	CL	6	2			
C				3			
D				4			
PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete							

MANHOLE CONDITION
<input type="checkbox"/> Good
<input checked="" type="checkbox"/> Fair
<input type="checkbox"/> Poor
<input type="checkbox"/> Debris in Flowline
<input type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surcharge
<input type="checkbox"/> Evidence of Infiltration
<input type="checkbox"/> Other _____

SOURCE OF LEAK
<input type="checkbox"/> Main Line Pipe Penetrations
<input type="checkbox"/> Service Penetrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole in Lid
<input type="checkbox"/> Other _____

REHABILITATION (in office)
<input type="checkbox"/> Replace Manhole
<input type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top Cone & Lid
<input type="checkbox"/> Seal Inside of Manhole
<input type="checkbox"/> Grout in Pipe Penetration
<input type="checkbox"/> Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

7

Project: Mena Utilities SSES

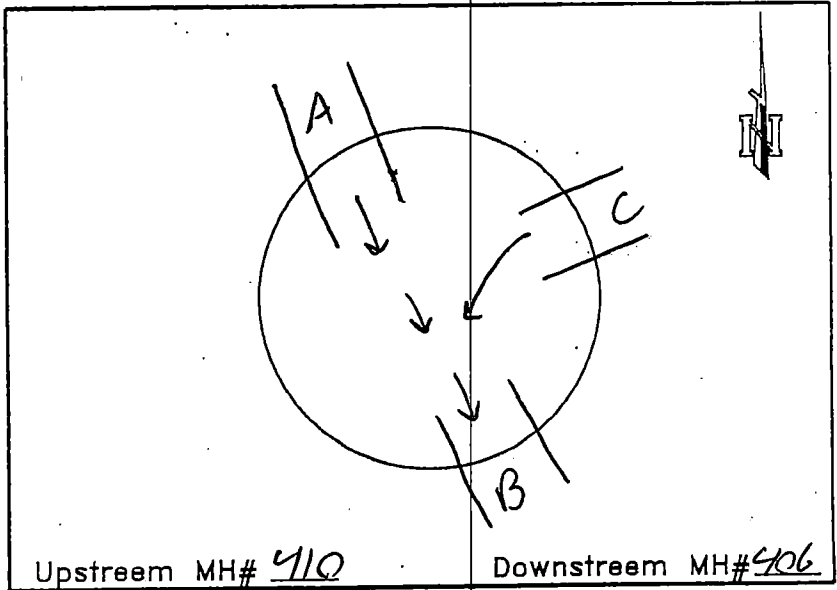
Location: Hilary 2nd St

Basin: 7

MH No. 409

Date: 3/2/11 Time: _____

Inspector: Bodey



Upstream MH# 410

Downstream MH# 406

TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>6</u> ft. Diameter
<input type="checkbox"/> Brick	<u>6</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>24</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY	
<input type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input checked="" type="checkbox"/> Other <u>Street</u>

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CL	6	1			
B	8	CL	6	2			
C	6	CL	6	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asp. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

MANHOLE CONDITION
<input type="checkbox"/> Good
<input checked="" type="checkbox"/> Fair
<input type="checkbox"/> Poor
<input type="checkbox"/> Debris in Flowline
<input type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surcharge
<input type="checkbox"/> Evidence of Infiltration
<input type="checkbox"/> Other _____

SOURCE OF LEAK
<input type="checkbox"/> Main Line Pipe Penitrations
<input type="checkbox"/> Service Penitrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole In Lid
<input type="checkbox"/> Other _____

REHABILITATION (in office)
<input type="checkbox"/> Replace Manhole
<input type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top Cone & Lid
<input type="checkbox"/> Seal Inside of Manhole
<input type="checkbox"/> Grout In Pipe Penetration
Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

7

Project: Mena Utilities SSES

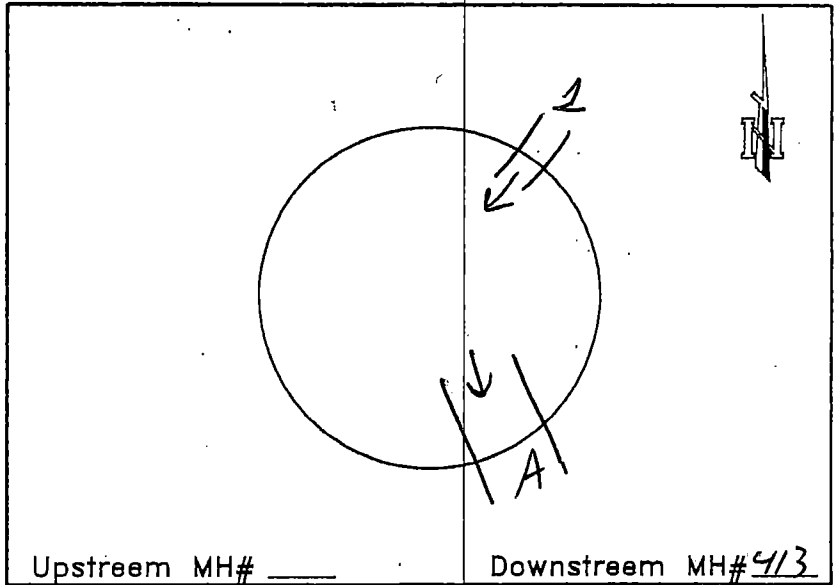
Location: ally between port Arthur & Church, & 2nd & 3rd

Basin: 7

MH No. 414

Date: 3/2/11 Time: _____

Inspector: Rodey



TYPE OF MH

DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 4 ft. Depth
- Fiberglass 23 1/2 Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	Tress	4	1	4		
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other _____

MANHOLE CONDITION

SOURCE OF LEAK

REHABILITATION (in office)

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

7

Project: Mena Utilities SSES

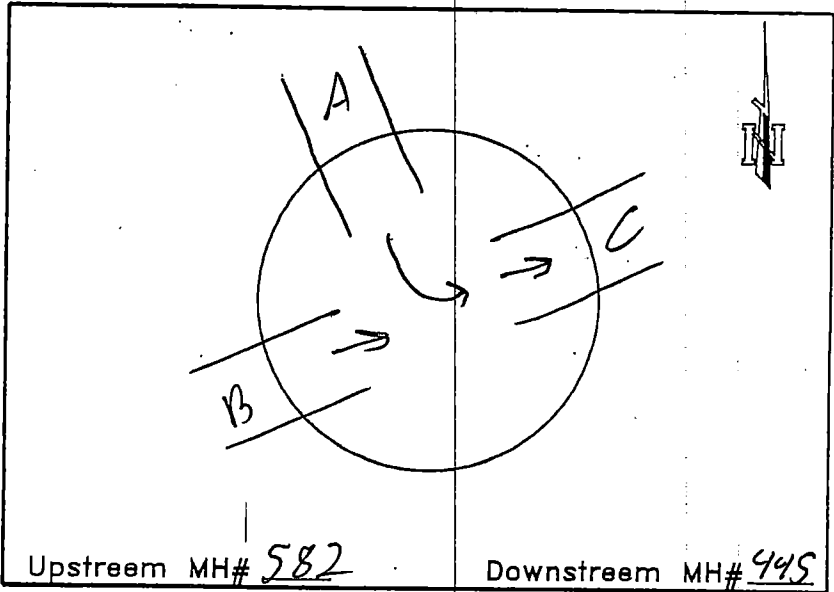
Location: On Sheerwood in front of Brantley's

Basin: 7

MH No. 446

Date: 3/2/11 Time: _____

Inspector: Rodley



TYPE OF MH

DESCRIPTION

- Concrete 6 ft. Diameter
- Brick 5 ft. Depth
- Fiberglass 24 Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other Street

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	12 12	C	5	1			
B	12	C	5	2			
C	12	C	5	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole in Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION 6

Project: Mena Utilities SSES

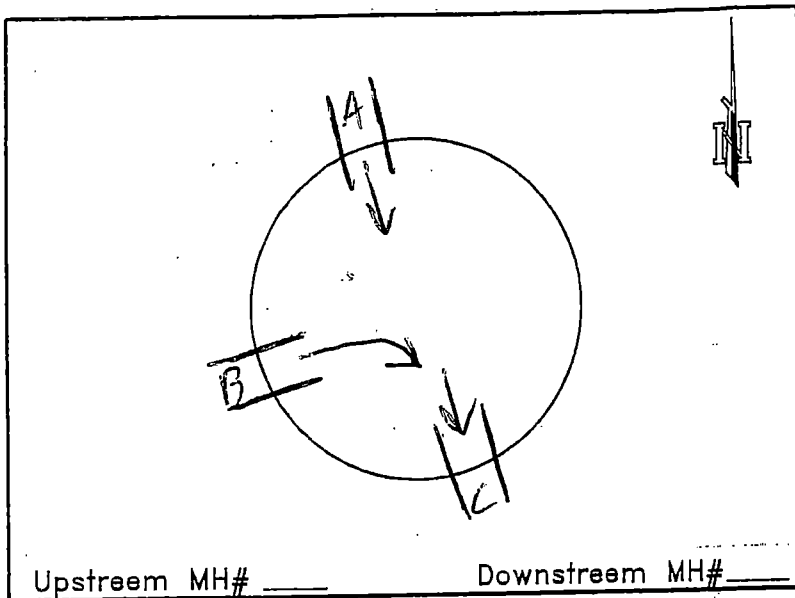
Location: _____

Basin: _____

MH No. 458

Date: 7/21/10 Time: _____

Inspector: Bokey



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input checked="" type="checkbox"/> Brick	<u>5</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>24</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY

<input type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input checked="" type="checkbox"/> Other <u>Heavy Railway</u>

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6"	CL	4 1/2	1			
B	6"	CL	4 1/2	2			
C	6"	CL	4 1/2	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input checked="" type="checkbox"/> Gravel	<input type="checkbox"/> Woods

Other _____

MANHOLE CONDITION

<input type="checkbox"/> Good
<input checked="" type="checkbox"/> Fair
<input type="checkbox"/> Poor
<input type="checkbox"/> Debris in Flowline
<input type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surcharge
<input type="checkbox"/> Evidence of Infiltration
<input type="checkbox"/> Other _____

SOURCE OF LEAK

<input type="checkbox"/> Main Line Pipe Penitrations
<input type="checkbox"/> Service Penitrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole in Lid
<input type="checkbox"/> Other _____

REHABILITATION (in office)

<input type="checkbox"/> Replace Manhole
<input type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top Cone & Lid
<input type="checkbox"/> Seal Inside of Manhole
<input type="checkbox"/> Grout in Pipe Penetration
<input type="checkbox"/> Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

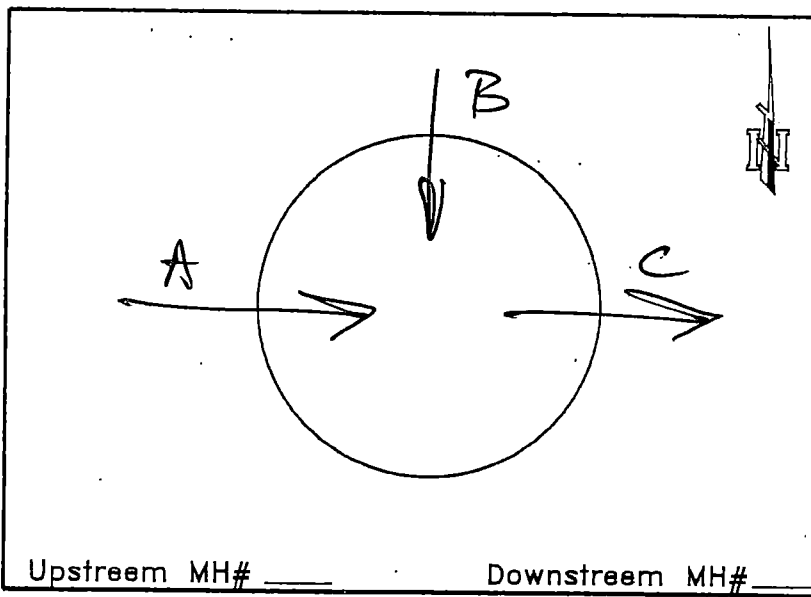
Location: HICKORY & MENA ST

Basin: 6

MH No. 460

Date: 3-7 Time: _____

Inspector: (Signature)



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>3.5</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____

TYPE OF PROPERTY	
<input type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input checked="" type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service			
				Line	Size	Type	Depth
A	<u>6</u>	<u>PVC</u>	<u>3.5</u>	1			
B	<u>1</u>	<u>1</u>		2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION	
<input type="checkbox"/> Good	
<input checked="" type="checkbox"/> Fair	
<input type="checkbox"/> Poor	
<input type="checkbox"/> Debris in Flowline	
<input type="checkbox"/> Debris on Bench	
<input type="checkbox"/> Evidence of Surcharge	
<input type="checkbox"/> Evidence of Infiltration	
<input type="checkbox"/> Other _____	

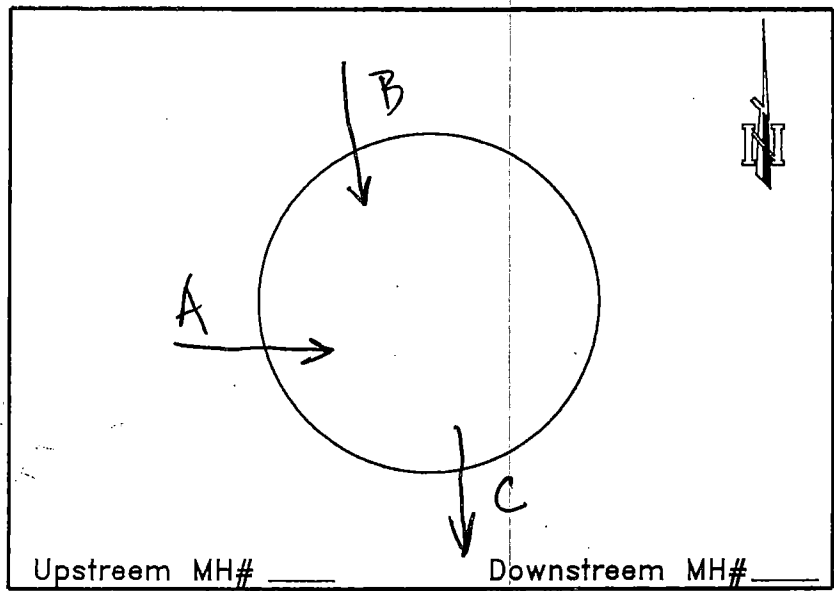
SOURCE OF LEAK	
<input type="checkbox"/> Main Line Pipe Penitrations	
<input type="checkbox"/> Service Penitrations	
<input type="checkbox"/> Manhole Joints	
<input type="checkbox"/> Cone Broken	
<input type="checkbox"/> Lid Broken	
<input type="checkbox"/> Lid Missing	
<input type="checkbox"/> Hole In Lid	
<input type="checkbox"/> Other _____	

REHABILITATION (in office)	
<input type="checkbox"/> Replace Manhole	
<input type="checkbox"/> Clean-out Manhole	
<input type="checkbox"/> Re-Build Bench	
<input type="checkbox"/> Replace Ring & Cover	
<input type="checkbox"/> Re-Grout Top Cone & Lid	
<input type="checkbox"/> Seal Inside of Manhole	
<input type="checkbox"/> Grout in Pipe Penetration	
<input type="checkbox"/> Other _____	

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Object: Mena Utilities SSES
 Location: WARNER 1/2 MT. VIEW
 Basin: 2
 MH No. 480
 Date: 2-22 Time: _____
 Inspector: _____



TYPE OF MH **DESCRIPTION**
 Concrete 4 ft. Diameter
 Brick 7.8 ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY
 Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	7.8	1			
B	8			2			
C	8			3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE
 Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

MANHOLE CONDITION
 Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

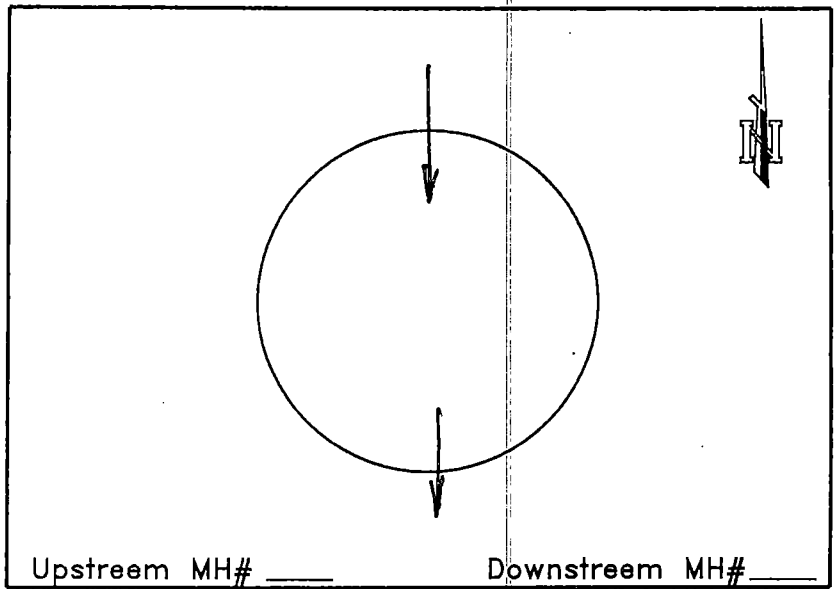
SOURCE OF LEAK
 Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)
 Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Subject: Mena Utilities SSES
 Location: 508 MT. VIEW
 Basin: 2
 MH No. 481
 Date: 2-22 Time: _____
 Inspector: (BA)



TYPE OF MH DESCRIPTION
 Concrete 4 ft. Diameter
 Brick 5.7 ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY
 Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE
 Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods
 Other DITCH

Main Line	Size	Type	Depth	Service Line			
					Size	Type	Depth
A				1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION
 Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK
 Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)
 Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

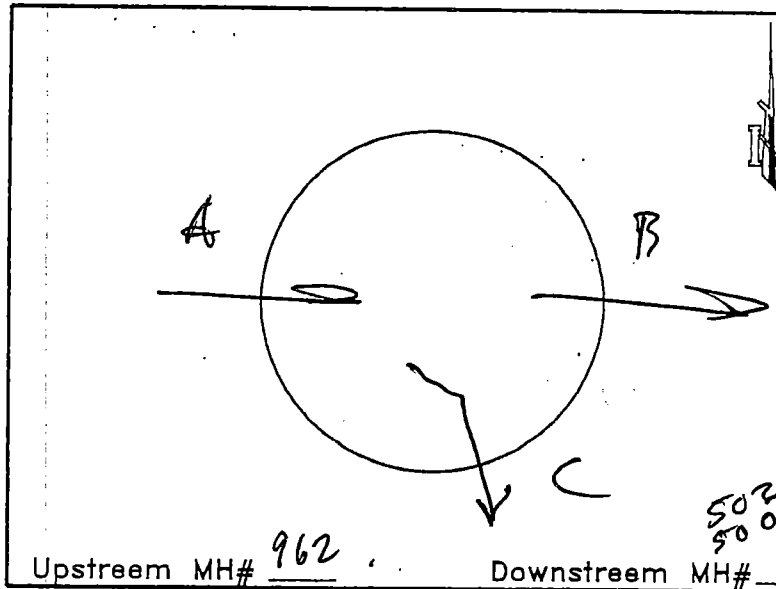
Location: CAMBLE & SOUTHERLAND

Basin: 6

MH No. 501

Date: 3-7 Time: _____

Inspector: (Signature)



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>4.3</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A	8	CL	4.3	1			
B	8	CL		2			
C	6	PVC		3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Duct
C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole in Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & L
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

6

Project: Mena Utilities SSES

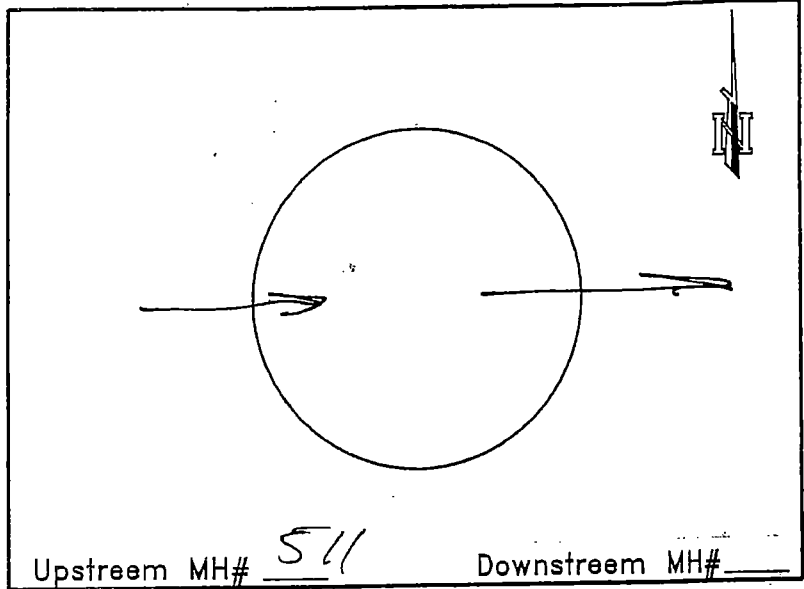
Location: 6

Basin: _____

MH No. 511

Date: _____ Time: _____

Inspector: AK



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input checked="" type="checkbox"/> Brick	<u>2.8</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>23.5</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input checked="" type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input checked="" type="checkbox"/> Conc.Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph.Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A				1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION	
<input checked="" type="checkbox"/> Good	
<input type="checkbox"/> Fair	
<input type="checkbox"/> Poor	
<input type="checkbox"/> Debris in Flowline	
<input type="checkbox"/> Debris on Bench	
<input type="checkbox"/> Evidence of Surcharge	
<input type="checkbox"/> Evidence of Infiltration	
<input type="checkbox"/> Other _____	

SOURCE OF LEAK	
<input type="checkbox"/> Main Line Pipe Penetrations	
<input type="checkbox"/> Service Penetrations	
<input type="checkbox"/> Manhole Joints	
<input type="checkbox"/> Cone Broken	
<input type="checkbox"/> Lid Broken	
<input type="checkbox"/> Lid Missing	
<input type="checkbox"/> Hole In Lid	
<input type="checkbox"/> Other _____	

REHABILITATION (in office)	
<input type="checkbox"/> Replace Manhole	
<input type="checkbox"/> Clean-out Manhole	
<input type="checkbox"/> Re-Build Bench	
<input type="checkbox"/> Replace Ring & Cover	
<input type="checkbox"/> Re-Grout Top Cone & Lid	
<input type="checkbox"/> Seal Inside of Manhole	
<input type="checkbox"/> Grout in Pipe Penetration	
<input type="checkbox"/> Other _____	

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION 110

Project: Mena Utilities SSES

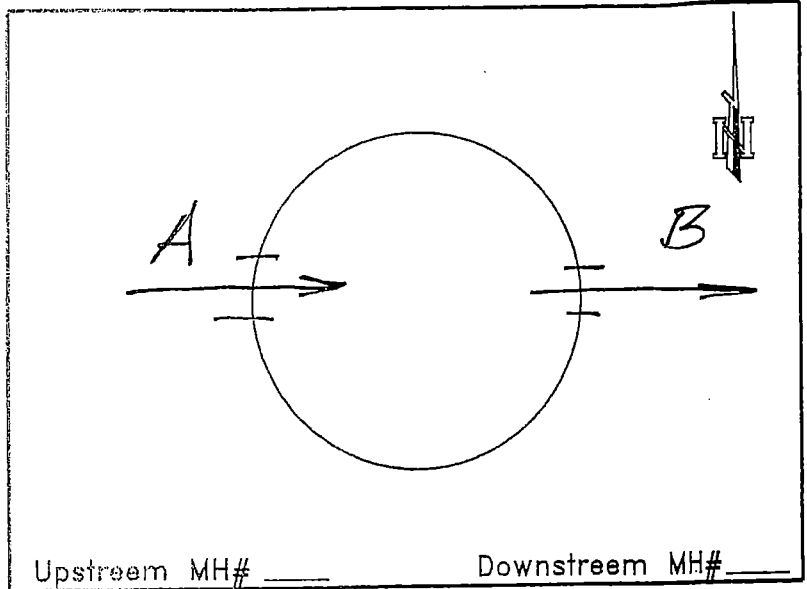
Location: 1112 MAPAL

Basin: _____

MH No: 535

Date: 6-28-10 Time: _____

Inspector: BB



TYPE OF MH

DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 8 ft. Depth
- Fiberglass
- Other 23 1/2 lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	CLAY	8	1			
B	6	CLAY	8	2			
C				3			
D				4			

PVC--Plastic, CI--Cast Iron, CL--Clay, DI--Ductile, C--Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole in Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-build Bench
- Replace Ring & Cover
- Re-grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

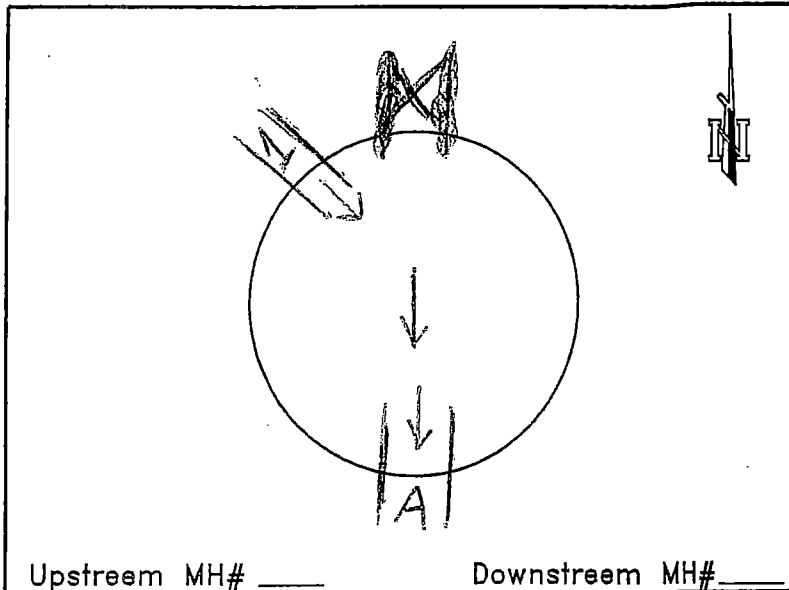
Location: Last manhole on Eve by Southland

Basin: _____

MH No. 611

Date: 6/23/10 Time: _____

Inspector: Proley



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick _____ ft. Depth
- Fiberglass _____ Lid Size
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other STREET

COVER OVER MANHOLE

- Conc.Pavement
- Asph.Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8"	CL	9' 8"	1	8"	PVC	9'
B	8"			2	8"		
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION



Project: Mena Utilities SSES

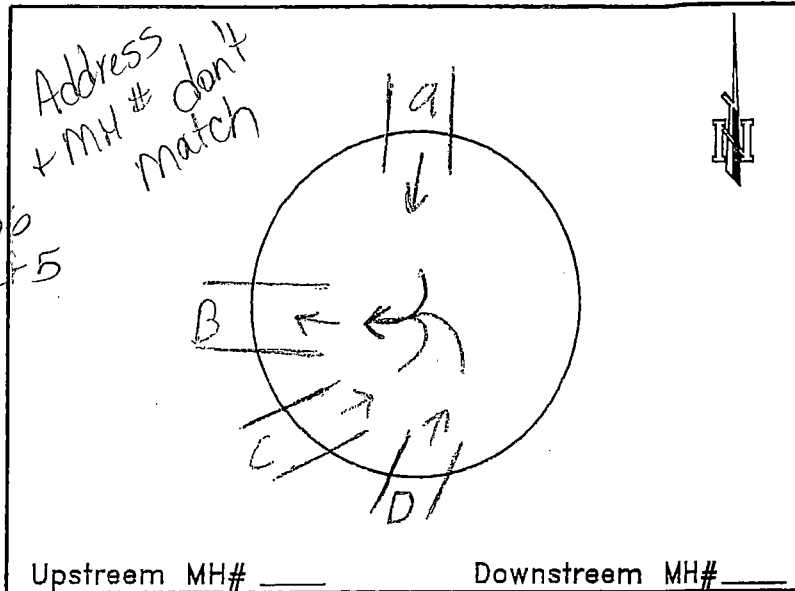
Location: at intersection of
Carder & Adams

Basin: _____

MH No. 625 Entered as #950

Date: 6/23/10 Time: _____ in sec 5

Inspector: Bodey



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick 1 ft. Depth
- Fiberglass 23 1/2 Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other Street

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	18"	C	6'	1			
B	18"	C	7'	2			
C	8"	C	6'	3			
D	8"	C	6'	4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

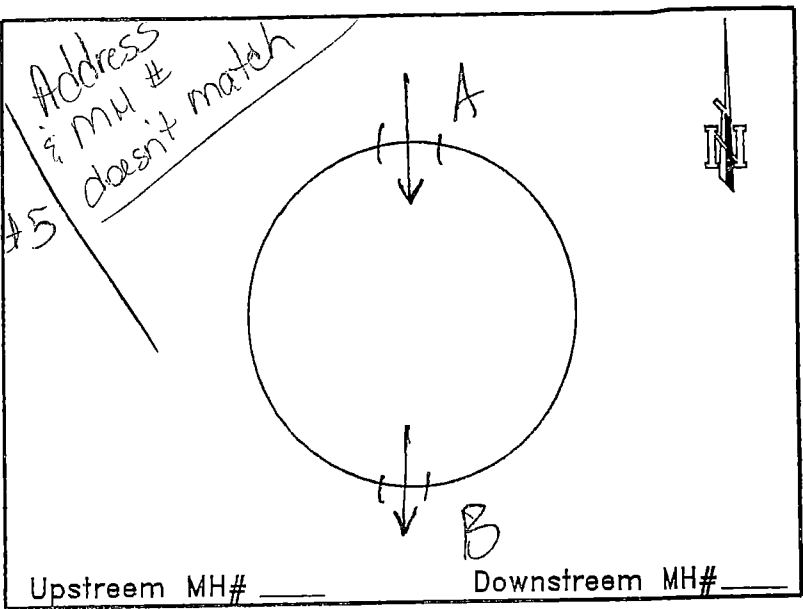
- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION



Project: Mena Utilities SSES
 Location: 207 N. ADAMS.
 Basin: _____
 MH No. 628 *Entered as #958 in sect 5*
 Date: 6-23-10 Time: _____
 Inspector: BB



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter

Brick 5 ft. Depth

Fiberglass

Other 24 Lid Size

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

COVER OVER MANHOLE

Conc.Pavement Sidewalk

Asph.Pavement Yard/Field

Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	5	1			
B	6	PVC	5	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations

Service Penetrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole in Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

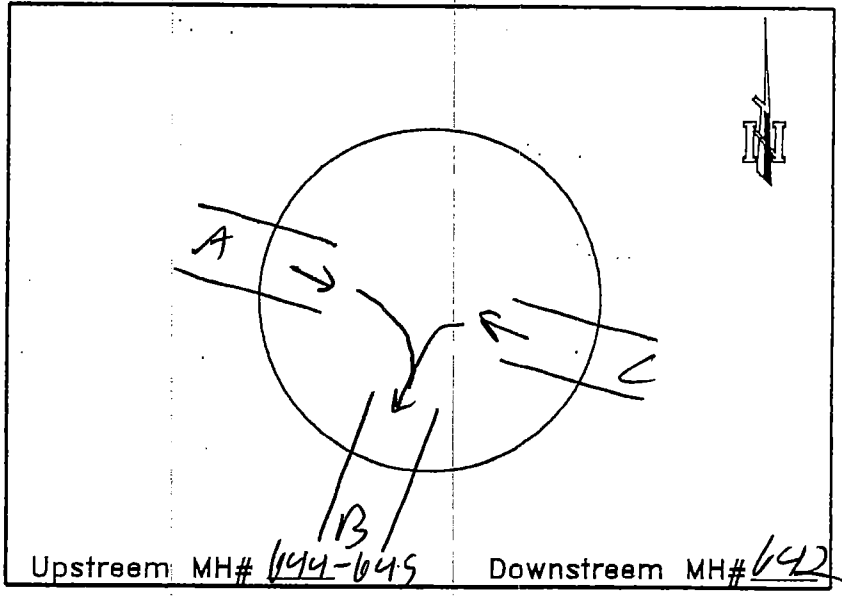
Grout in Pipe Penetration

Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION 24

Project: Mena Utilities SSES
 Location: Heavenly aces
 Basin: 24
 MH No. 143
 Date: 2/28/11 Time: _____
 Inspector: Boyer



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter
 Brick 4 ft. Depth
 Fiberglass
 Other 23 1/2 Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods
 Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
B	6	PVC	4	2			
C	6	PVC	4	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout In Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

Added to D.B.

MANHOLE EVALUATION 24

Project: Mena Utilities SSES

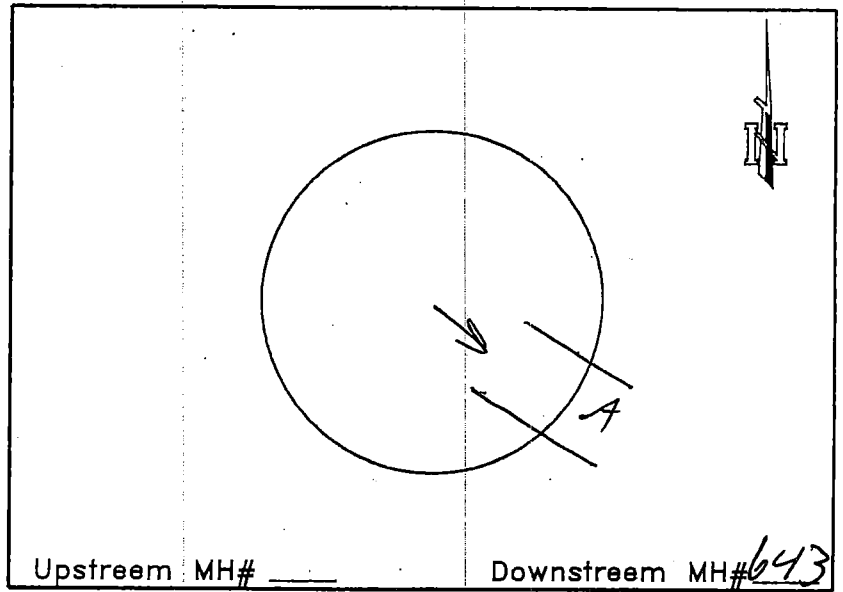
Location: Heavenly acres

Basin: 24

MH No. 644

Date: 2/28/11 Time: _____

Inspector: Rodriguez



TYPE OF MH

DESCRIPTION

- Concrete 6 ft. Diameter
- Brick 4 ft. Depth
- Fiberglass 24 Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	Pvc	4	1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

Added to D.B.

MANHOLE EVALUATION 18

Project: Mena Utilities SSES

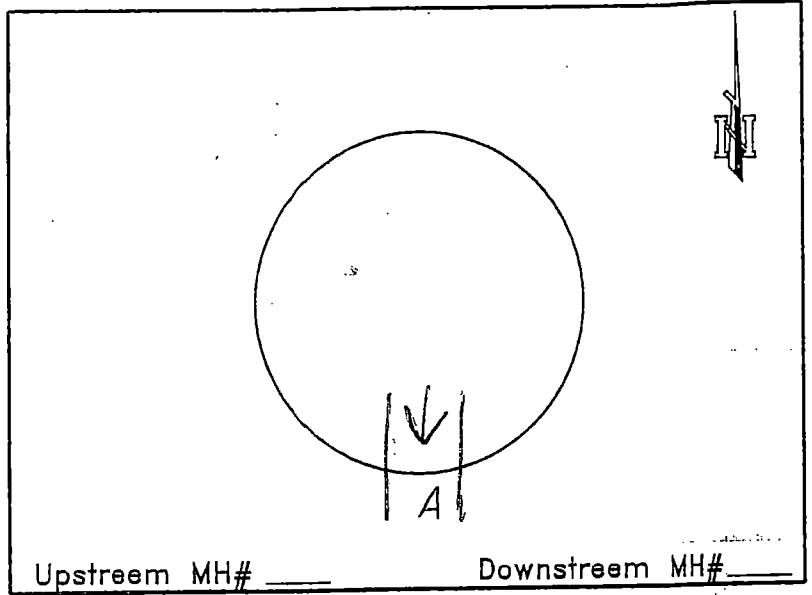
Location: _____

Basin: _____

MH No. 677

Date: 7/22/10 Time: _____

Inspector: Bodley



TYPE OF MH DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 3 ft. Depth
- Fiberglass
- Other 24 Lid Size

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other: Street

COVER OVER MANHOLE

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other: _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CL	3'	1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other: _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other: _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other: _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

18

Project: Mena Utilities SSES

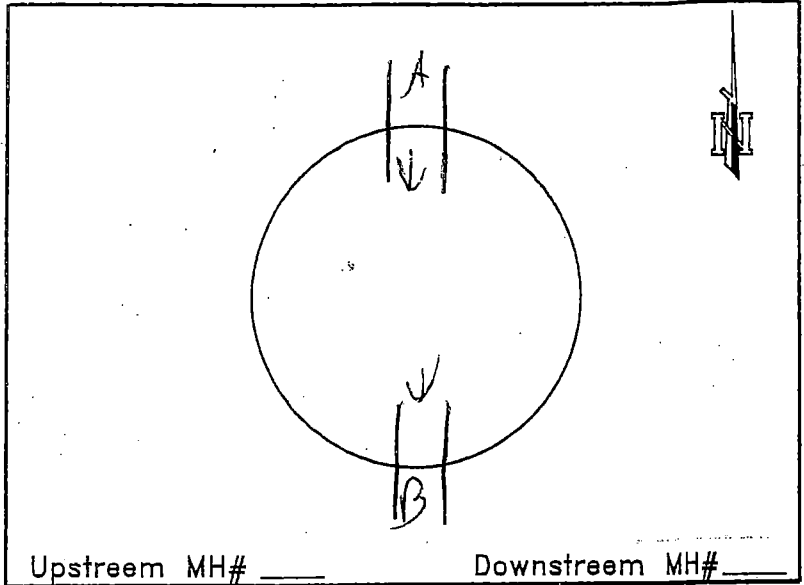
Location: _____

Basin: _____

MH No. 679

Date: 7/22/10 Time: _____

Inspector: Boley



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick 5 1/2 ft. Depth
- Fiberglass
- Other _____ Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other STREET

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	PVC	4 1/2	1			
B	10	TCSS	5 1/2	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration

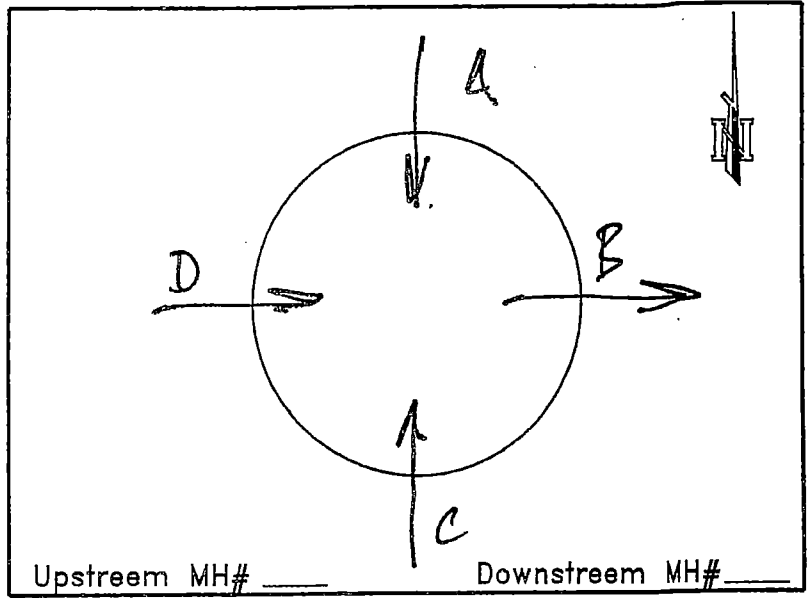
Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

12

Project: Mena Utilities SSES
 Location: 1006 CHERRY ST.
 Basin: Sec. 12
 MH No. 699
 Date: 7-1-10 Time: _____
 Inspector: BB



TYPE OF MH DESCRIPTION

Concrete 4 ft. Diameter
 Brick 7 ft. Depth
 Fiberglass
 Other 24 Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CLAY	7	1			
B	8	CLAY	7	2			
C	8	CLAY	7	3			
D	8	CLAY	7	4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS

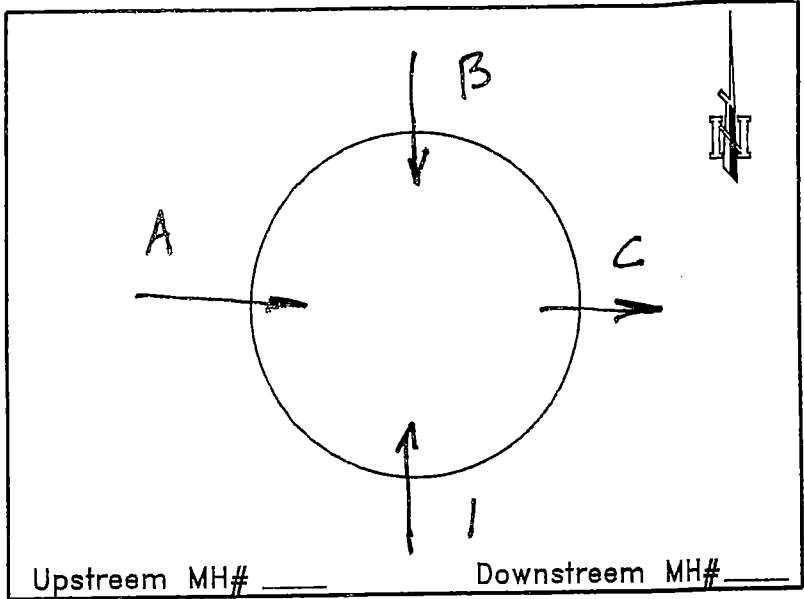
Rehab complete
 Lining 7/27/2010

MANHOLE EVALUATION

12

Project: Mena Utilities SSES
 Location: DALLAS 3 4th ST.

Basin: _____
 MH No. 710
 Date: 7.1.10 Time: _____
 Inspector: BB



TYPE OF MH DESCRIPTION

Concrete 4 ft. Diameter
 Brick 7.6 ft. Depth
 Fiberglass
 Other 23.5 Lid Size

Does not match D.B. info

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10		7.6	1	4	PVC	5.0
B	8		6.4	2			
C	10		7.6	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

17

Project: Mena Utilities SSES

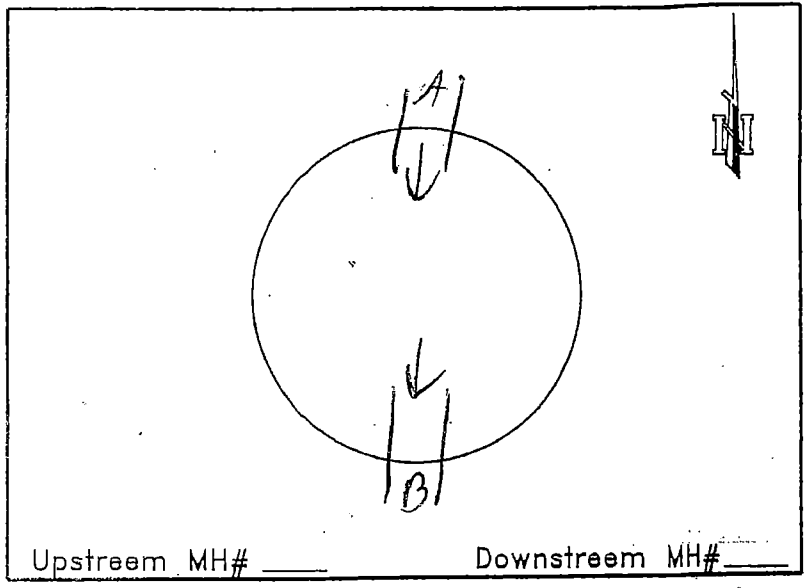
Location: _____

Basin: _____

MH No. 753

Date: 7/22/10 Time: _____

Inspector: Bohly



Upstream MH# _____

Downstream MH# _____

TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick
- Fiberglass _____ ft. Depth
- Other _____ Lid Size

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other Street

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	TCSS	4.6	1			
B	8	TCSS	4.6	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

- Conc.Pavement
- Asph.Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other _____

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penitrations
- Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

16

Project: Mena Utilities SSES

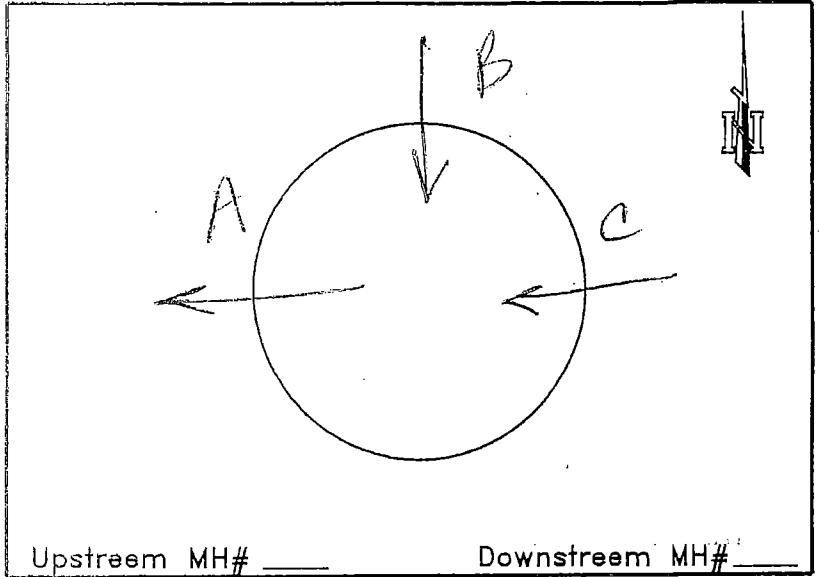
Location: END OF TRILER

Basin: _____

MH No. 901

Date: _____ Time: _____

Inspector: [Signature]



TYPE OF MH DESCRIPTION

Concrete 4 ft. Diameter

Brick 3 ft. Depth

Fiberglass

Other 24 Lid Size

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

COVER OVER MANHOLE

Conc.Pavement Sidewalk

Asph.Pavement Yard/Field

Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	3	1			
B	6	1	1	2			
C	6			3			
D				4			

PVC=Plastic, CI=Cast Iron, CL=Clay, DI=Ductile, C=Concrete

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations

Service Penitrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

Grout in Pipe Penetration

Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

16

Project: Mena Utilities SSES

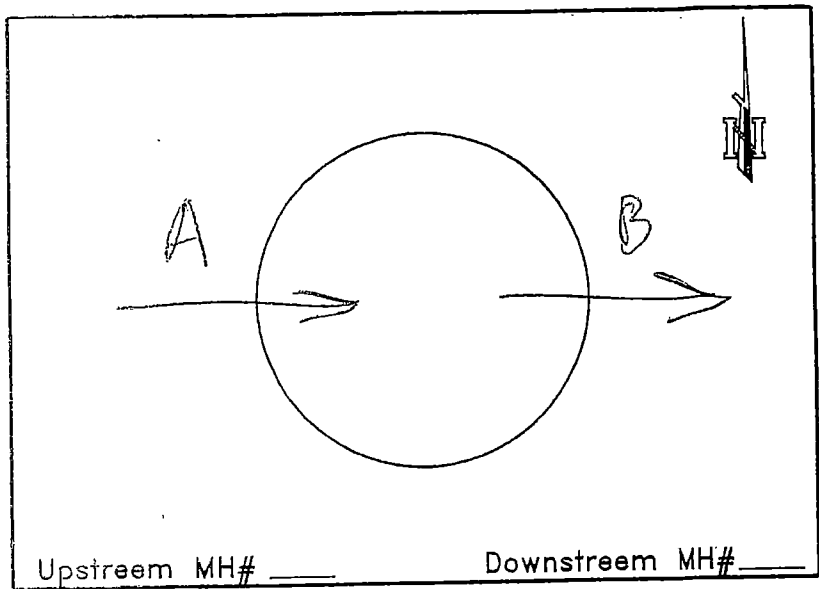
Location: TYLER & COLE

Basin: _____

MH No. 914

Date: _____ Time: _____

Inspector: BAK



TYPE OF MH DESCRIPTION

Concrete 4 ft. Diameter

Brick 7 ft. Depth

Fiberglass _____ Lid Size

Other _____

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	CLAY	7	1			
B	6	1	7	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc.Pavement Sidewalk

Asph.Pavement Yard/Field

Gravel Woods

Other _____

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations

Service Penetrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

Grout in Pipe Penetration

Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

10

Project: Mena Utilities SSES

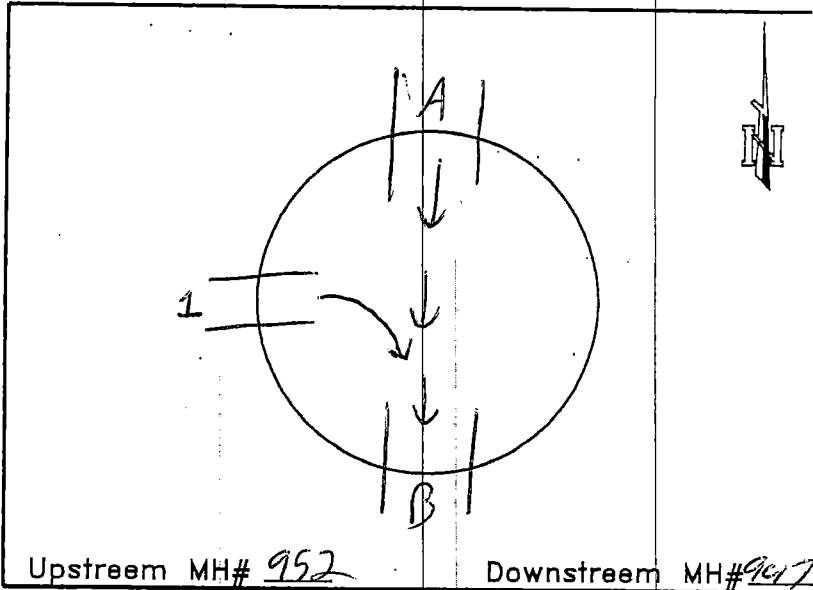
Location: North side of Hamilton
Between Euc & Polk

Basin: _____

MH No. 949

Date: 3/1/11 Time: _____

Inspector: Booley



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>5</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>23 1/2</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY

<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE

<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input type="checkbox"/> Asph. Pavement	<input checked="" type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	Tress	5	1	4	Pvc	4
B	8	Tress	5	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

<input type="checkbox"/> Good
<input checked="" type="checkbox"/> Fair
<input type="checkbox"/> Poor
<input type="checkbox"/> Debris in Flowline
<input type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surcharge
<input type="checkbox"/> Evidence of Infiltration
<input type="checkbox"/> Other _____

SOURCE OF LEAK

<input type="checkbox"/> Main Line Pipe Penetrations
<input type="checkbox"/> Service Penitrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole in Lid
<input type="checkbox"/> Other _____

REHABILITATION (in office)

<input type="checkbox"/> Replace Manhole
<input type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top Cone & Lid
<input type="checkbox"/> Seal Inside of Manhole
<input type="checkbox"/> Grout in Pipe Penetration
<input type="checkbox"/> Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

10

Project: Mena Utilities SSES

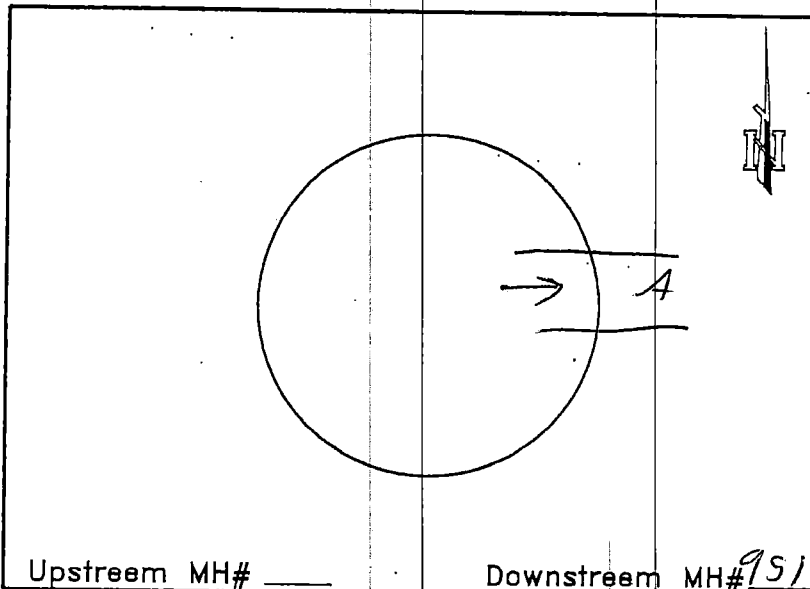
Location: 1904 Miller

Basin: 10

MH No. 951

Date: 3/1/11 Time: _____

Inspector: Bodey



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>4</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>23 1/2</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY	
<input type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input checked="" type="checkbox"/> Other <u>Street</u>

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	<u>6</u>	<u>Pvc</u>	<u>4</u>	1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION
<input type="checkbox"/> Good
<input checked="" type="checkbox"/> Fair
<input type="checkbox"/> Poor
<input type="checkbox"/> Debris in Flowline
<input type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surcharge
<input type="checkbox"/> Evidence of Infiltration
Other _____

SOURCE OF LEAK
<input type="checkbox"/> Main Line Pipe Penetrations
<input type="checkbox"/> Service Penetrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole in Lid
Other _____

REHABILITATION (in office)
<input type="checkbox"/> Replace Manhole
<input type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top, Cone & Lid
<input type="checkbox"/> Seal Inside of Manhole
<input type="checkbox"/> Grout in Pipe Penetration
Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

10

Project: Mena Utilities SSES

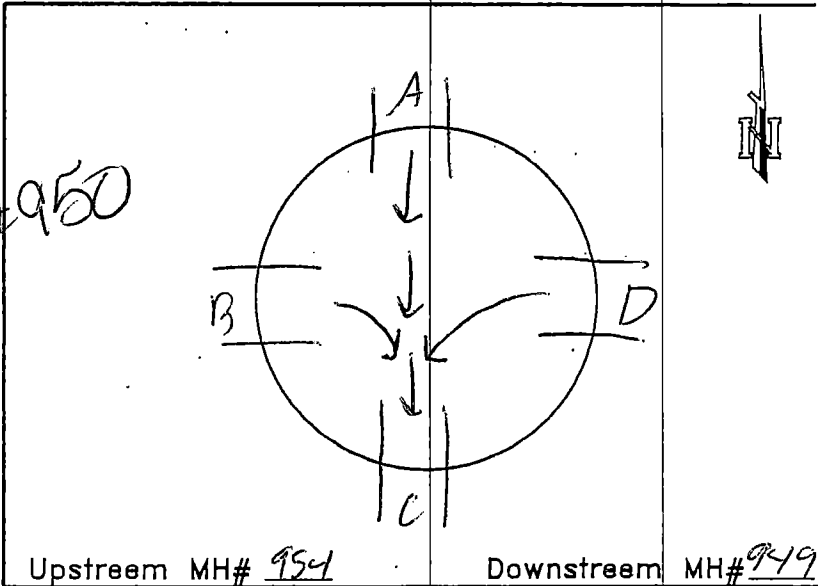
Location: 1806 Miller

Basin: 10

MH No. 952 - Possibly MH # 950

Date: 3/1/11 Time: _____

Inspector: Bodey



TYPE OF MH DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 4.5 ft. Depth
- Fiberglass
- Other 24 Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other Streets

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	4	1			
B	6	PVC	4	2			
C	8	CL	4	3			
D	6	PVC	4	4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole in Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Object: Mena Utilities SSES

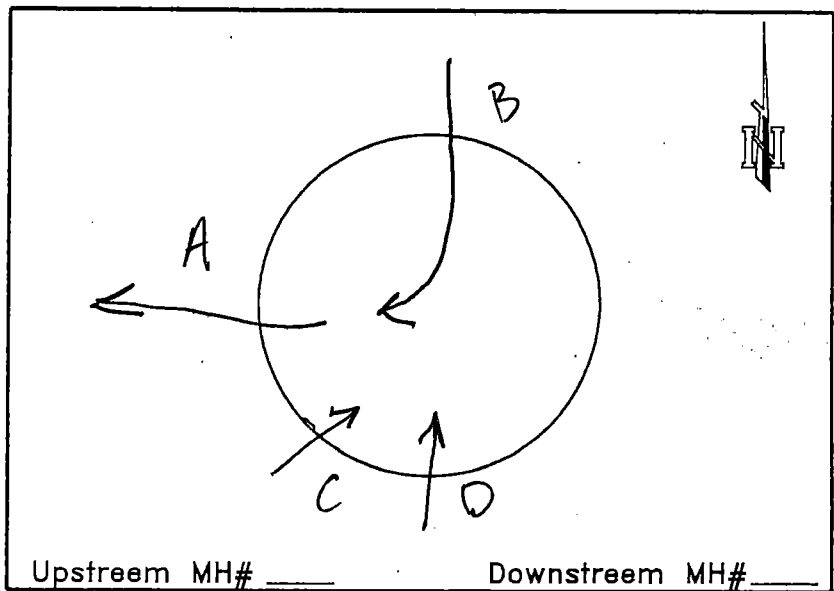
Location: ADAMS & CARTER

Basin: 5

MH No. 956

Date: 2-23 Time: _____

Inspector: (BB)



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick _____ ft. Depth
- Fiberglass _____ Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CON	7.0	1			
B	1	1	7.0	2			
C		CLAY	6.5	3			
D	1	1	6.5	4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

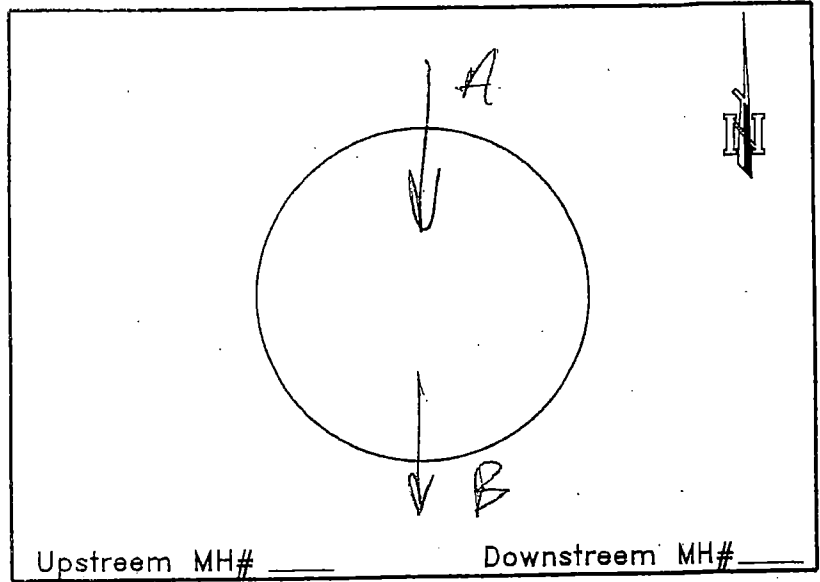
Location: _____

Basin: _____

MH No. 969

Date: 8/10 Time: _____

Inspector: (Signature)



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input checked="" type="checkbox"/> Brick	<u>6</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>23 1/2</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	A6	CLAY	6	1			
B	B6	I	6	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE	
<input checked="" type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input type="checkbox"/> Asp. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other: _____	

MANHOLE CONDITION
<input type="checkbox"/> Good
<input checked="" type="checkbox"/> Fair
<input type="checkbox"/> Poor
<input type="checkbox"/> Debris in Flowline
<input type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surcharge
<input type="checkbox"/> Evidence of Infiltration
<input type="checkbox"/> Other: _____

SOURCE OF LEAK
<input type="checkbox"/> Main Line Pipe Penetrations
<input type="checkbox"/> Service Penetrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole in Lid
<input type="checkbox"/> Other: _____

REHABILITATION (in office)
<input type="checkbox"/> Replace Manhole
<input type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top Cone & Lid
<input type="checkbox"/> Seal Inside of Manhole
<input type="checkbox"/> Grout in Pipe Penetration
<input type="checkbox"/> Other: _____

ADDITIONAL COMMENTS _____

Added to D.B.

MANHOLE EVALUATION

Project: Mena Utilities SSES

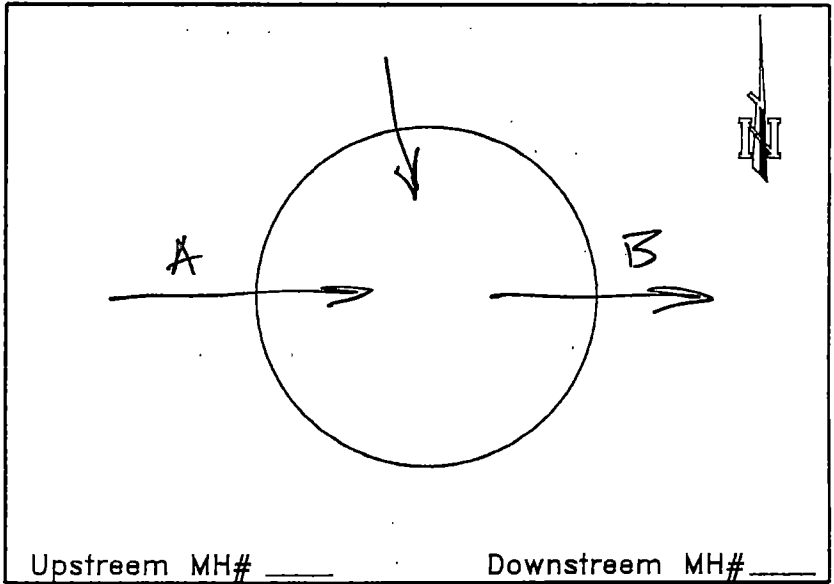
Location: 1803 BOLTIN

Basin: 5

MH No. 971

Date: 2-24 Time: _____

Inspector: BA



TYPE OF MH

DESCRIPTION

- Concrete _____ ft. Diameter
- Brick _____ ft. Depth
- Fiberglass _____ Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	4.3	1	4	PVC	2.0
B	1	CLAY	1	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

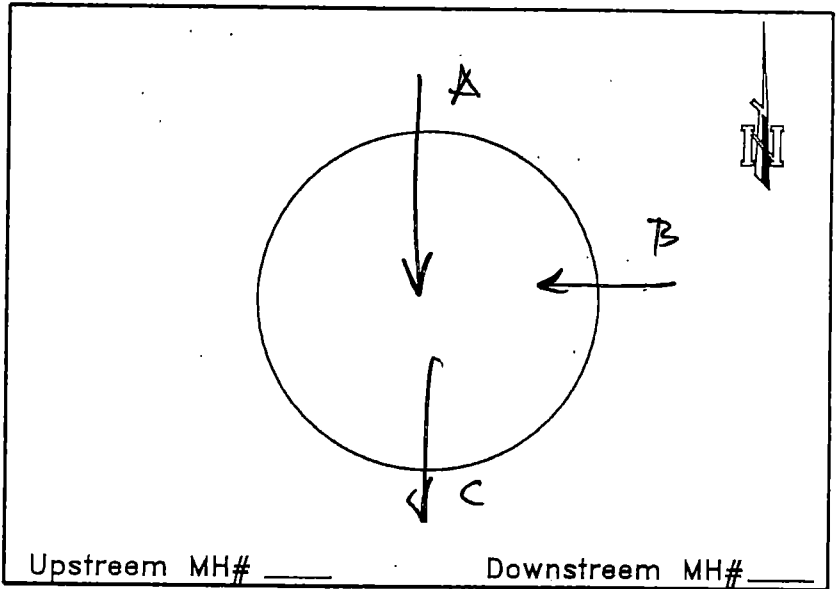
Location: 205 W. BOUNDARY

Basin: 5

MH No. 1019 1/2 B

Date: 8-2-23 Time: _____

Inspector: _____



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick 6.3 ft. Depth
- Fiberglass
- Other _____ Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	P	6.3	1			
B	4	V	↓	2			
C	8	C		3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

Rehab Complete 12/5/10

~~RE-Check~~

MANHOLE EVALUATION

Project: Mena Utilities SSES

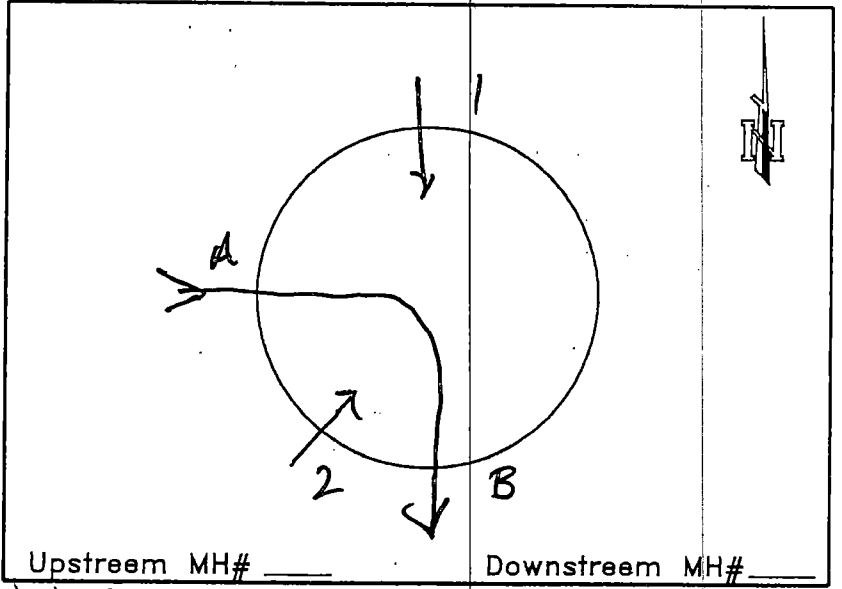
Location: REVES & VERMILLIONS

Basin: 10

MH No. 1032

Date: 2-28 Time: _____

Inspector: (Signature)



TYPE OF MH

DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 16 ft. Depth
- Fiberglass _____ Lid Size
- Other _____

TYPE OF PROPERTY

Verify data!

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	Truss	16	1	4	Pvc	6
B	1	1	1	2	4	1	10
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other _____

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

10

Project: Mena Utilities SSES

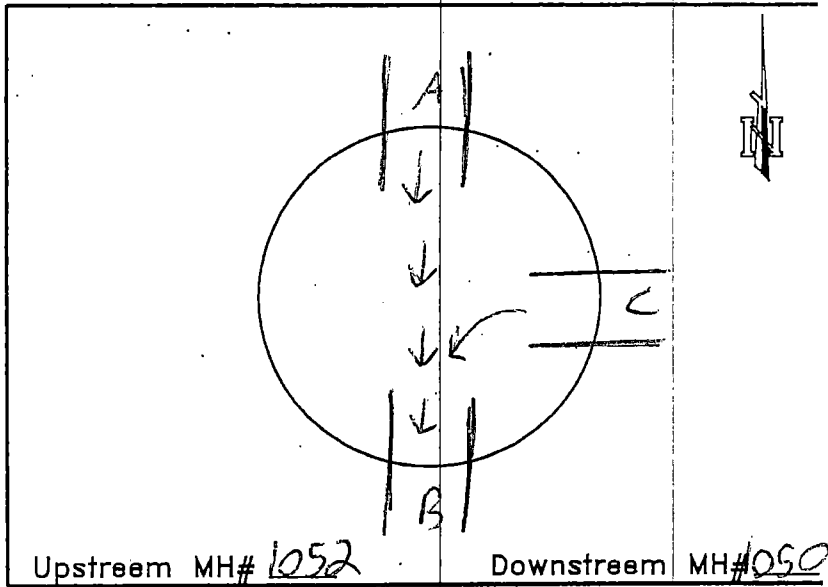
Location: Fink & Miller

Basin: 10

MH No. 1051

Date: 3/1/11 Time: _____

Inspector: Bodey



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>9</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>24</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY	
<input type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input checked="" type="checkbox"/> Other <u>Street</u>

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	CI	3 1/2	1			
B	8	Truss	9	2			
C	8	CI	9	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE	
<input checked="" type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

MANHOLE CONDITION
<input type="checkbox"/> Good
<input checked="" type="checkbox"/> Fair
<input type="checkbox"/> Poor
<input type="checkbox"/> Debris in Flowline
<input type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surcharge
<input type="checkbox"/> Evidence of Infiltration
<input type="checkbox"/> Other _____

SOURCE OF LEAK
<input type="checkbox"/> Main Line Pipe Penetrations
<input type="checkbox"/> Service Penetrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole in Lid
<input type="checkbox"/> Other _____

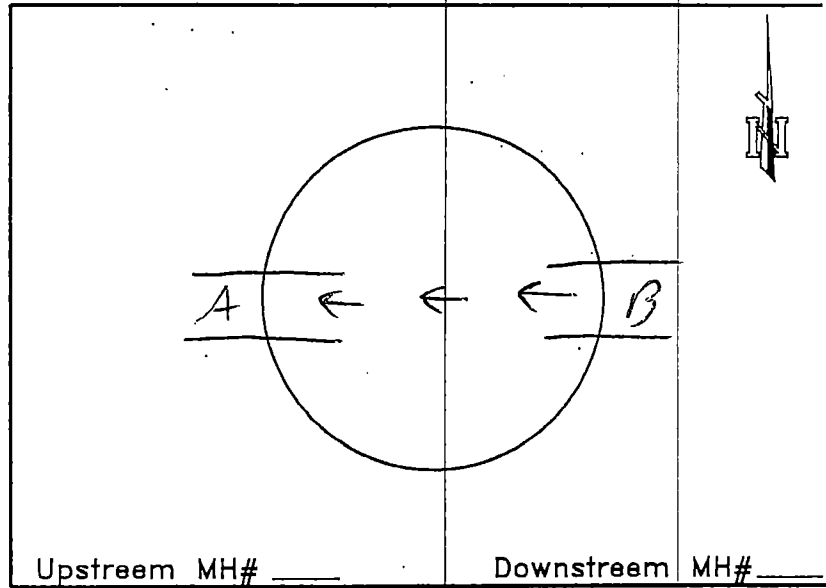
REHABILITATION (in office)
<input type="checkbox"/> Replace Manhole
<input type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top Cone & Lid
<input type="checkbox"/> Seal Inside of Manhole
<input type="checkbox"/> Grout in Pipe Penetration
<input type="checkbox"/> Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

10

Project: Mena Utilities SSES
 Location: Miller between Eve & Flak
 Basin: 10
 MH No. 1051 1/2
 Date: 3/1/11 Time: _____
 Inspector: Bodey



TYPE OF MH DESCRIPTION

Concrete 4 ft. Diameter
 Brick 6 ft. Depth
 Fiberglass
 Other 23 1/2 Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other ditch

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	Pvc	3	1			
B	8	TRUSS	6	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods

Other _____

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

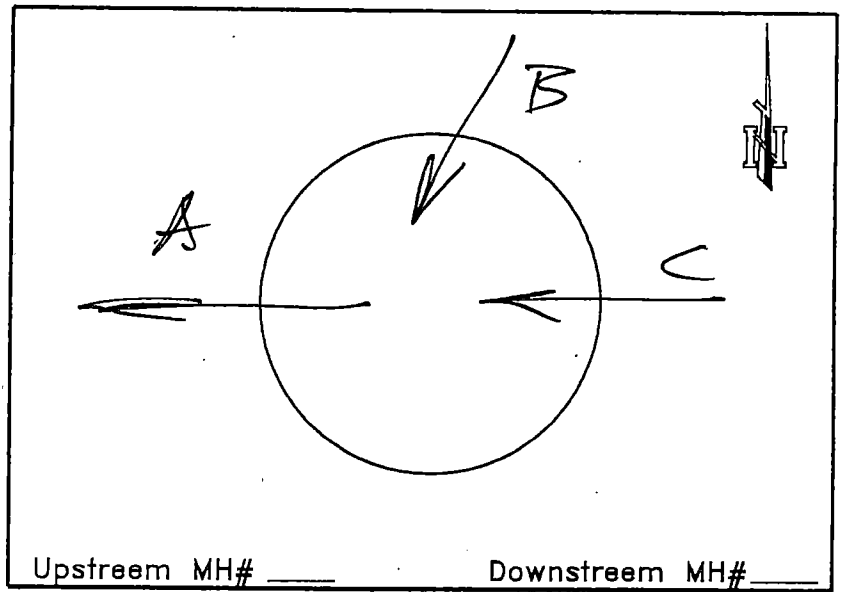
REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout In Pipe Penetration
 Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: Down ^{Flow} From 2205 CHURCH.
 Basin: 5
 MH No. 1053
 Date: 2-23 Time: _____
 Inspector: (BA)



TYPE OF MH **DESCRIPTION**
 Concrete _____ ft. Diameter
 Brick
 Fiberglass _____ ft. Depth
 Other _____ Lid Size

TYPE OF PROPERTY
 Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	Tross	3.2	1			
B	1	1	1.0	2			
C	1	1	3.2	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE
 Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other DITCH.

MANHOLE CONDITION
 Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK
 Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)
 Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout In Pipe Penetration
 Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

5

Subject: Mena Utilities SSES

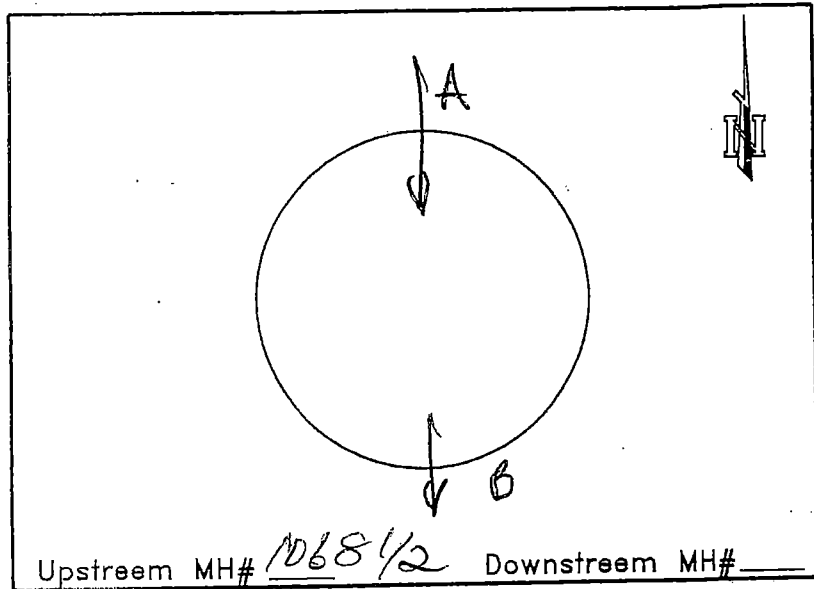
Location: S

Basin: _____

MH No. 1068 1/2

Date: _____ Time: _____

Inspector: BA



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>5</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>24</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	PVC	5'	1			
B	8	I	5'	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input type="checkbox"/> Asp. Pavement	<input checked="" type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods

Other _____

MANHOLE CONDITION

<input checked="" type="checkbox"/>	Good
<input type="checkbox"/>	Fair
<input type="checkbox"/>	Poor
<input type="checkbox"/>	Debris in Flowline
<input type="checkbox"/>	Debris on Bench
<input type="checkbox"/>	Evidence of Surcharge
<input type="checkbox"/>	Evidence of Infiltration
<input type="checkbox"/>	Other _____

SOURCE OF LEAK

<input type="checkbox"/>	Main Line Pipe Penitrations
<input type="checkbox"/>	Service Penitrations
<input type="checkbox"/>	Manhole Joints
<input type="checkbox"/>	Cone Broken
<input type="checkbox"/>	Lid Broken
<input type="checkbox"/>	Lid Missing
<input type="checkbox"/>	Hole In Lid
<input type="checkbox"/>	Other _____

REHABILITATION (in office)

<input type="checkbox"/>	Replace Manhole
<input type="checkbox"/>	Clean-out Manhole
<input type="checkbox"/>	Re-Build Bench
<input type="checkbox"/>	Replace Ring & Cover
<input type="checkbox"/>	Re-Grout Top Cone & Lid
<input type="checkbox"/>	Seal Inside of Manhole
<input type="checkbox"/>	Grout in Pipe Penetration
<input type="checkbox"/>	Other _____

ADDITIONAL COMMENTS _____

Added to D.B.

EXHIBIT E
Manhole Evaluation Reports:
Improvements Not Recommended
(Good Condition)

MANHOLE EVALUATION

19

Project: Mena Utilities SSES

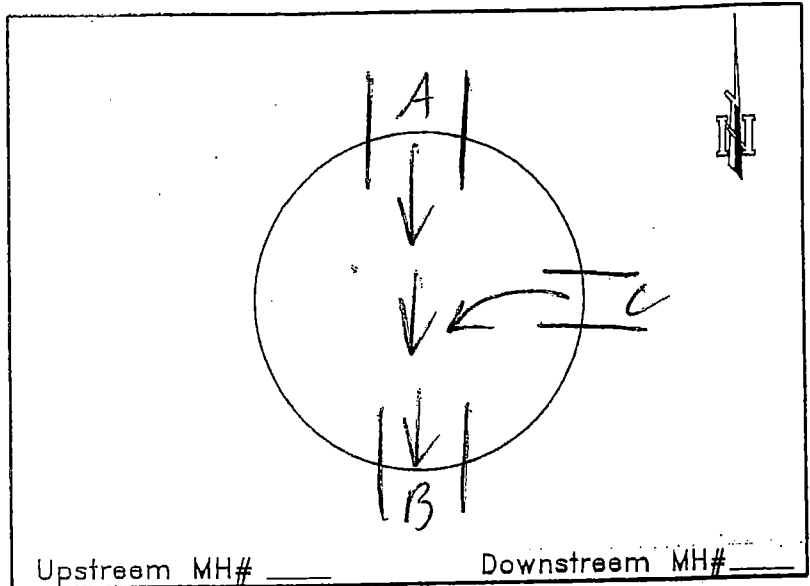
Location: _____

Basin: _____

MH No. 12a

Date: 7/21/19 Time: _____

Inspector: Rodley



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick _____ ft. Depth
- Fiberglass
- Other _____ Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	<u>18</u>	<u>C</u>	<u>4'</u>	1			
B	<u>8</u>	<u>PVC</u>	<u>4'</u>	2			
C	<u>8</u>	<u>C</u>	<u>4'</u>	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

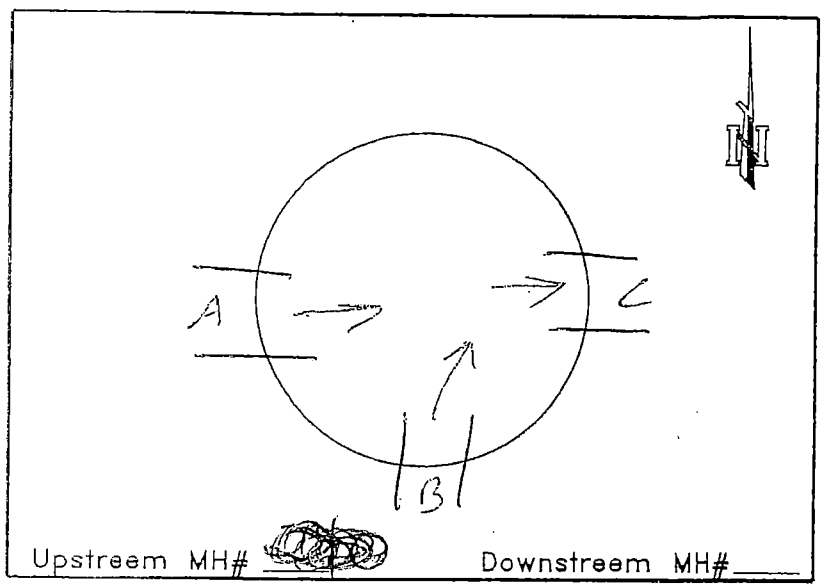
- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

8

Project: Mena Utilities SSES
 Location: ~~Mena~~
 Basin: 8
 MH No. ~~180~~ 180
 Date: _____ Time: _____
 Inspector: _____



TYPE OF MH DESCRIPTION

Concrete _____ ft. Diameter
 Brick
 Fiberglass 43" ft. Depth
 Other 24 Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	PVC		1			
B	8	PVC		2			
C	10	PVC		3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS

Added to D.B.

MANHOLE EVALUATION

Project: Mena Utilities SSES

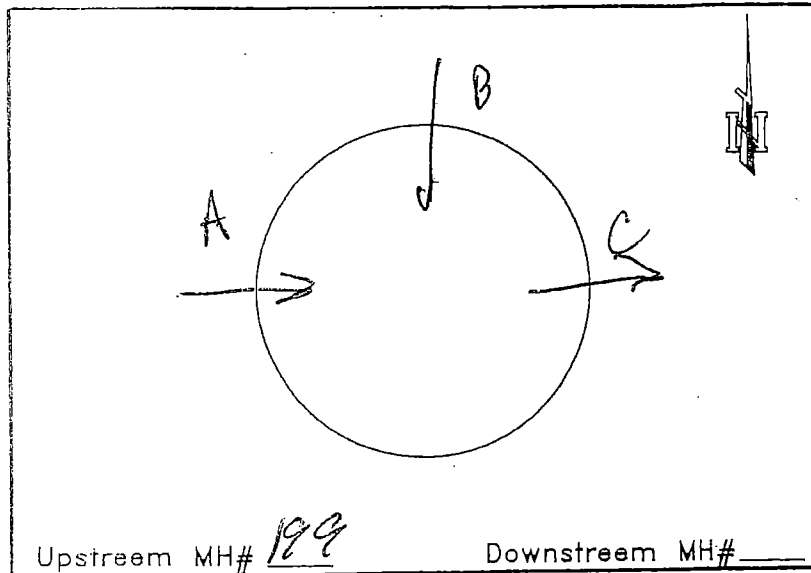
Location: _____

Basin: _____

MH No. 199

Date: _____ Time: _____

Inspector: _____



TYPE OF MH DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 72" ft. Depth
- Fiberglass
- Other 24 Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	Plc	72"	1			
B	6	1		2			
C	8	1		3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

Added to D.B.

MANHOLE EVALUATION

7

Project: Mena Utilities SSES

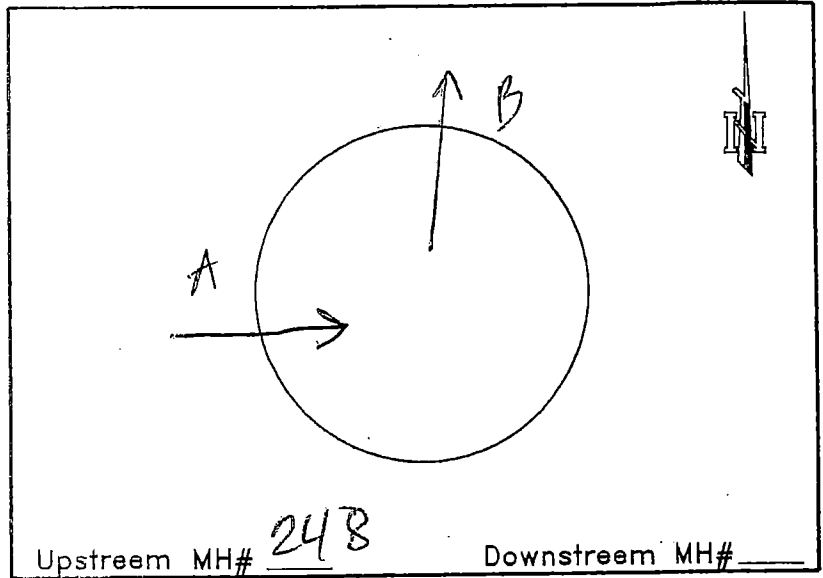
Location: _____

Basin: _____

MH No. 248

Date: 8/10 Time: _____

Inspector: BLD



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>33"</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>23.5</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other

Verify dates

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	33"	1			
B	10	PVC	1	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE	
<input checked="" type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asp. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

MANHOLE CONDITION
<input checked="" type="checkbox"/> Good
<input type="checkbox"/> Fair
<input type="checkbox"/> Poor
<input type="checkbox"/> Debris in Flowline
<input type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surcharge
<input type="checkbox"/> Evidence of Infiltration
<input type="checkbox"/> Other _____

SOURCE OF LEAK
<input type="checkbox"/> Main Line Pipe Penetrations
<input type="checkbox"/> Service Penetrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole In Lid
<input type="checkbox"/> Other _____

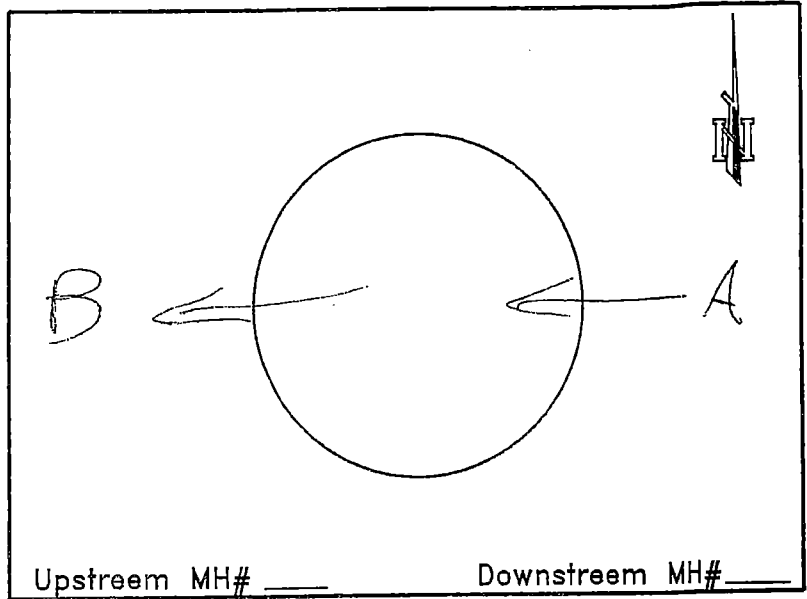
REHABILITATION (in office)
<input type="checkbox"/> Replace Manhole
<input type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top Cone & Lid
<input type="checkbox"/> Seal Inside of Manhole
<input type="checkbox"/> Grout in Pipe Penetration
<input type="checkbox"/> Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

12

Project: Mena Utilities SSES
 Location: Petros - Cherry
SECTION 12
 Basin: _____
 MH No. 296
 Date: 2 JUL 10 Time: 1045
 Inspector: JEFF F



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter
 Brick 5'3" ft. Depth
 Fiberglass
 Other 23 1/2" Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

Verify

Main Line	Size	Type	Depth	Service Line			
				Line	Size	Type	Depth
A	8	Concr	5'3"	1	8	Concr	5'3"
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION 7

7

Project: Mena Utilities SSES

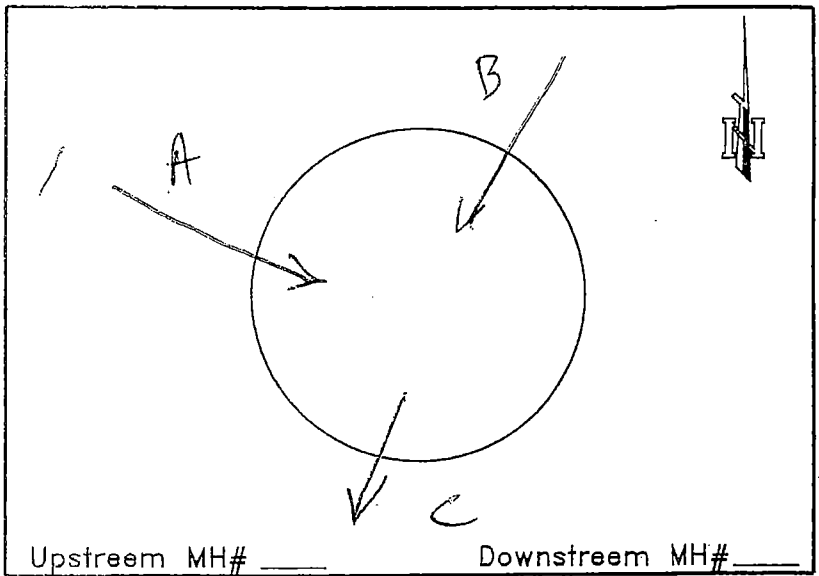
Location: @ 715 & Cherry

Basin: _____

MH No. 313

Date: 8/10 Time: _____

Inspector: PAW



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>6</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>23.5</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY	
<input type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	<u>10</u>	<u>CON</u>	<u>6</u>	1			
B	<u>1</u>	<u>1</u>	<u>6</u>	2			
C	<u>1</u>	<u>1</u>	<u>6</u>	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE	
<input checked="" type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input type="checkbox"/> Asph. Pavement	<input checked="" type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

MANHOLE CONDITION
<input checked="" type="checkbox"/> Good
<input type="checkbox"/> Fair
<input type="checkbox"/> Poor
<input type="checkbox"/> Debris in Flowline
<input type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surcharge
<input type="checkbox"/> Evidence of Infiltration
<input type="checkbox"/> Other _____

SOURCE OF LEAK
<input type="checkbox"/> Main Line Pipe Penetrations
<input type="checkbox"/> Service Penetrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole In Lid
<input type="checkbox"/> Other _____

REHABILITATION (in office)
<input type="checkbox"/> Replace Manhole
<input type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top Cone & Lid
<input type="checkbox"/> Seal Inside of Manhole
<input type="checkbox"/> Grout in Pipe Penetration
<input type="checkbox"/> Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

12

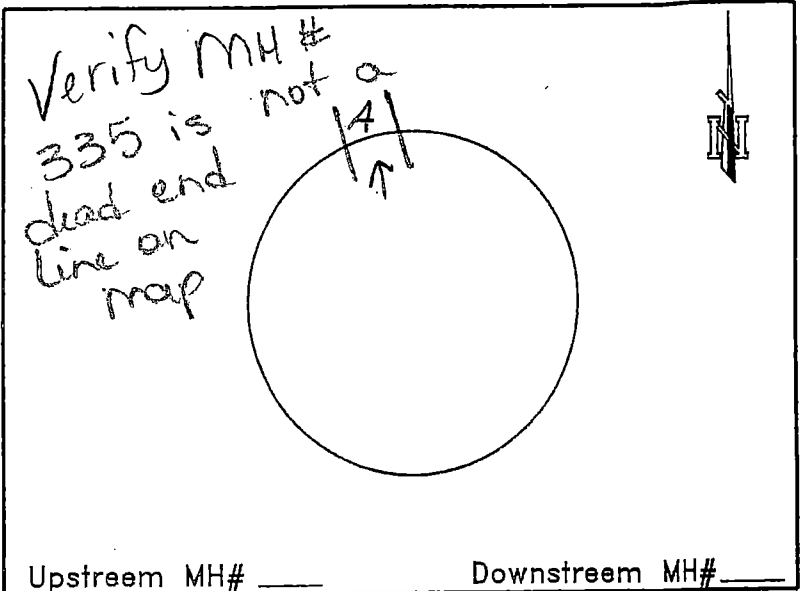
Project: Mena Utilities SSES

Location: Ally between 2nd & 3rd Street, North side of Pine Street

Basin: _____
MH No. 335 maybe 336?

Date: 7/2/10 Time: 1130

Inspector: Rodley
AREA 12



TYPE OF MH **DESCRIPTION**

Concrete _____ ft. Diameter

Brick _____ ft. Depth

Fiberglass _____ Lid Size

Other _____

Upstream MH# _____ Downstream MH# _____

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other Ally between 2nd & 3rd

Verify - D.B. shows 4 main lines

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6"	CL	64"	1			
B				2			
C				3			
D				4			

COVER OVER MANHOLE

Conc. Pavement Sidewalk

Asph. Pavement Yard/Field

Gravel Woods

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

Other _____

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations

Service Penetrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

Grout in Pipe Penetration

Other _____

ADDITIONAL COMMENTS dead end line

MANHOLE EVALUATION

12

Project: Mena Utilities SSES

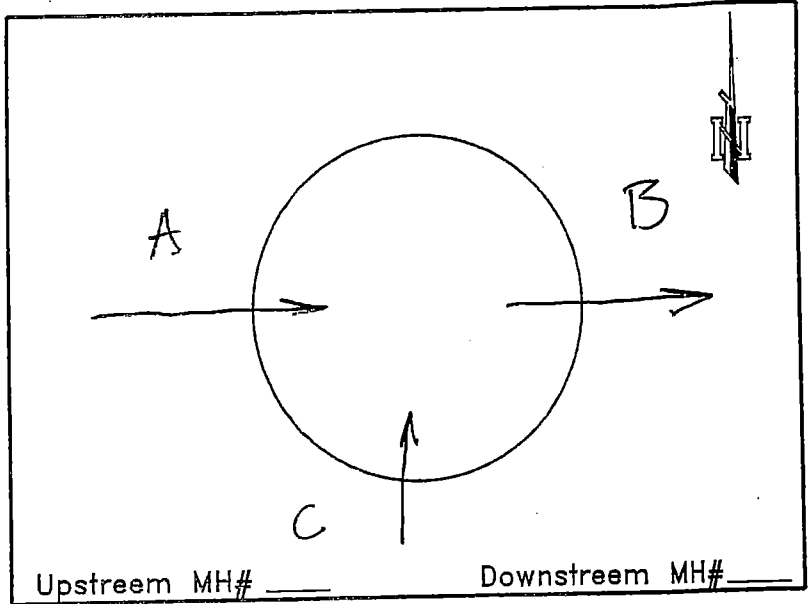
Location: 3rd & DAK

Basin: _____

MH No. 353

Date: 7-1-10 Time: _____

Inspector: BA



TYPE OF MH

<input checked="" type="checkbox"/>	Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/>	Brick	<u>3ft</u> ft. Depth
<input type="checkbox"/>	Fiberglass	<u>23 1/2</u> Lid Size
<input type="checkbox"/>	Other	

TYPE OF PROPERTY

<input checked="" type="checkbox"/>	Residence	<input type="checkbox"/>	Trailer Park
<input type="checkbox"/>	Business	<input type="checkbox"/>	Vacant Lot
<input type="checkbox"/>	Apartment	<input type="checkbox"/>	Other _____

COVER OVER MANHOLE

<input checked="" type="checkbox"/>	Conc. Pavement	<input type="checkbox"/>	Sidewalk
<input type="checkbox"/>	Asph. Pavement	<input type="checkbox"/>	Yard/Field
<input type="checkbox"/>	Gravel	<input type="checkbox"/>	Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	12	PVC	3ft	1			
B	12	PVC	3ft	2			
C	6	PVC	3ft	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

<input checked="" type="checkbox"/>	Good
<input type="checkbox"/>	Fair
<input type="checkbox"/>	Poor
<input type="checkbox"/>	Debris in Flowline
<input type="checkbox"/>	Debris on Bench
<input type="checkbox"/>	Evidence of Surcharge
<input type="checkbox"/>	Evidence of Infiltration
<input type="checkbox"/>	Other _____

SOURCE OF LEAK

<input type="checkbox"/>	Main Line Pipe Penetrations
<input type="checkbox"/>	Service Penetrations
<input type="checkbox"/>	Manhole Joints
<input type="checkbox"/>	Cone Broken
<input type="checkbox"/>	Lid Broken
<input type="checkbox"/>	Lid Missing
<input type="checkbox"/>	Hole In Lid
<input type="checkbox"/>	Other _____

REHABILITATION (in office)

<input type="checkbox"/>	Replace Manhole
<input type="checkbox"/>	Clean-out Manhole
<input type="checkbox"/>	Re-Build Bench
<input type="checkbox"/>	Replace Ring & Cover
<input type="checkbox"/>	Re-Grout Top Cone & Lid
<input type="checkbox"/>	Seal Inside of Manhole
<input type="checkbox"/>	Grout in Pipe Penetration
<input type="checkbox"/>	Other _____

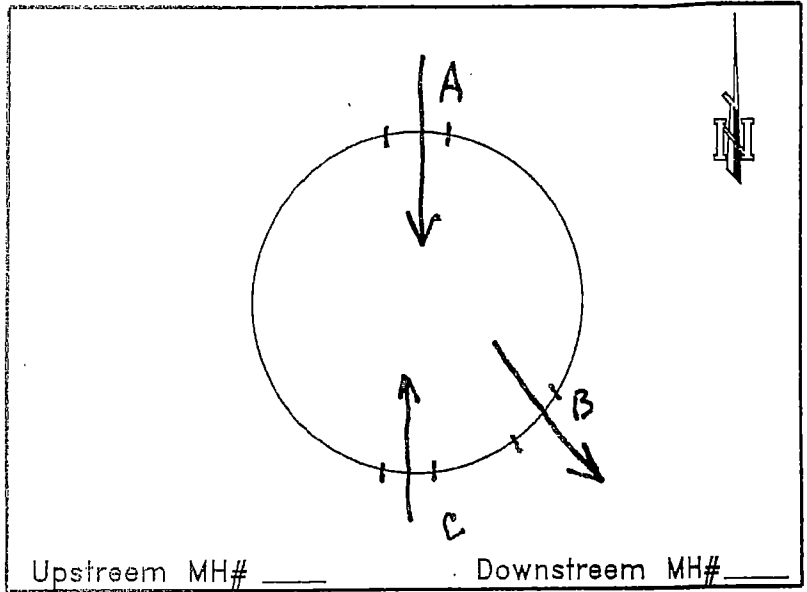
ADDITIONAL COMMENTS

Could be mixed up 353 & 356
 down on 4th & Dak - Repair made to 356?

MANHOLE EVALUATION

12

Project: Mena Utilities SSES
 Location: 1/2 BETWEEN MARTIN & GILLHAM IN AUM.
 Basin: SEC. 12.
 MH No: 373 367
 Date: 7.1.10 Time: _____
 Inspector: (BB)



TYPE OF MH DESCRIPTION

Concrete 4 ft. Diameter
 Brick 4.2 ft. Depth
 Fiberglass
 Other 23.5 Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	PVC	4.2	1			
B	8	PVC	4.2	2			
C	8	PVC	4.2	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

7

Project: Mena Utilities SSES

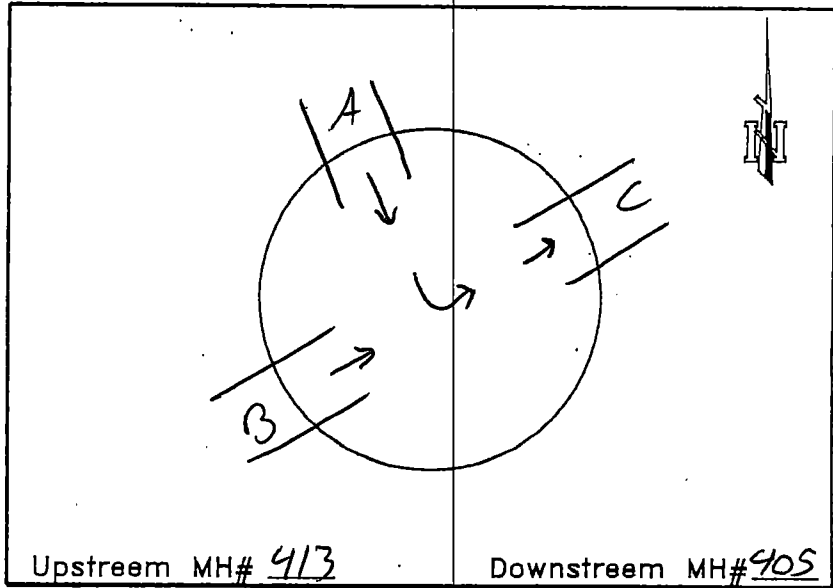
Location: POCT Arthur L 2nd

Basin: 7

MH No. 411

Date: 3/2/11 Time: _____

Inspector: Bodley



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>6</u> ft. Diameter
<input type="checkbox"/> Brick	<u>6</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>24</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input type="checkbox"/> Asp. Pavement	<input checked="" type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	Truss	6	1			
B	8	Truss	4	2			
C	10	Truss	6	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION
<input checked="" type="checkbox"/> Good
<input type="checkbox"/> Fair
<input type="checkbox"/> Poor
<input type="checkbox"/> Debris in Flowline
<input type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surcharge
<input type="checkbox"/> Evidence of Infiltration
<input type="checkbox"/> Other _____

SOURCE OF LEAK
<input type="checkbox"/> Main Line Pipe Penetrations
<input type="checkbox"/> Service Penetrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole in Lid
<input type="checkbox"/> Other _____

REHABILITATION (in office)
<input type="checkbox"/> Replace Manhole
<input type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top Cone & Lid
<input type="checkbox"/> Seal Inside of Manhole
<input type="checkbox"/> Grout in Pipe Penetration
<input type="checkbox"/> Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION 7

Project: Mena Utilities SSES

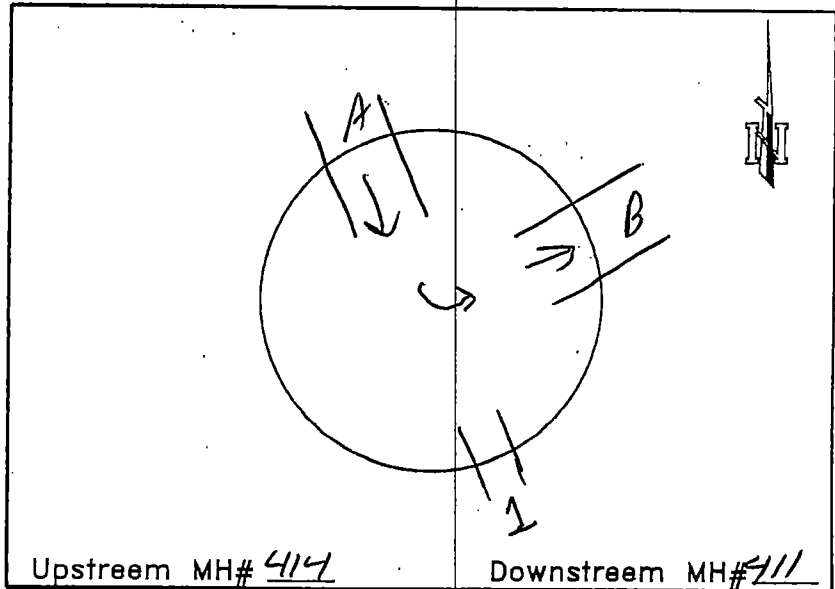
Location: On post Aucther between 2nd & 3rd

Basin: 7

MH No. 413

Date: 3/2/11 Time: _____

Inspector: Boddy



TYPE OF MH **DESCRIPTION**

Concrete 6 ft. Diameter

Brick 6 ft. Depth

Fiberglass

Other 24 Lid Size

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	Tfoss	6	1	4	Pvc	3
B	8	Tfoss	6	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc.Pavement Sidewalk

Asp.Pavement Yard/Field

Gravel Woods

Other _____

MANHOLE CONDITION

Good

Fair

Poor

Debris In Flowline

Debris on Bench

Evidence of Surge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations

Service Penitrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

Grout in Pipe Penetration

Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION 7

Project: Mena Utilities SSES

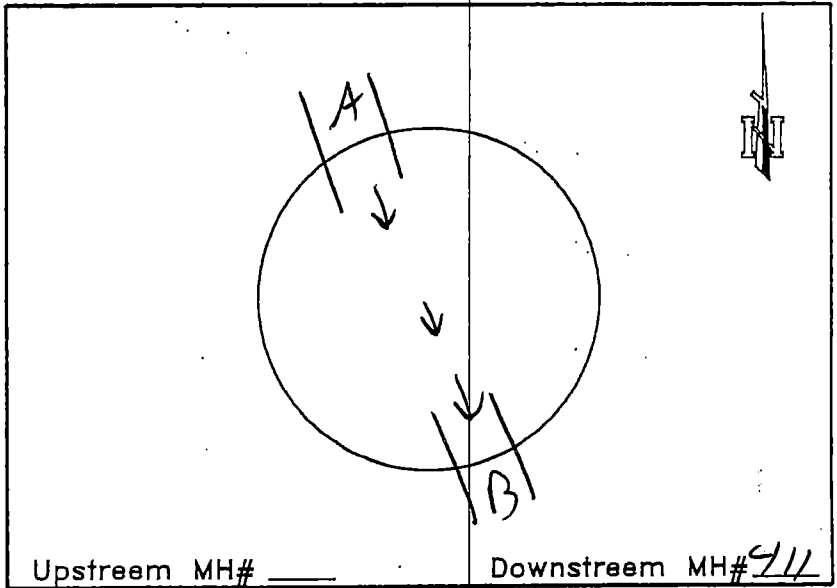
Location: Church & 2nd

Basin: 7

MH No. 415

Date: 3/2/11 Time: _____

Inspector: Booley



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>6</u> ft. Diameter
<input checked="" type="checkbox"/> Brick	<u>8</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>24</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY	
<input type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input checked="" type="checkbox"/> Other <u>Street</u>

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CL	6	1			
B	8	TRUSS	8	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods

Other _____

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris In Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

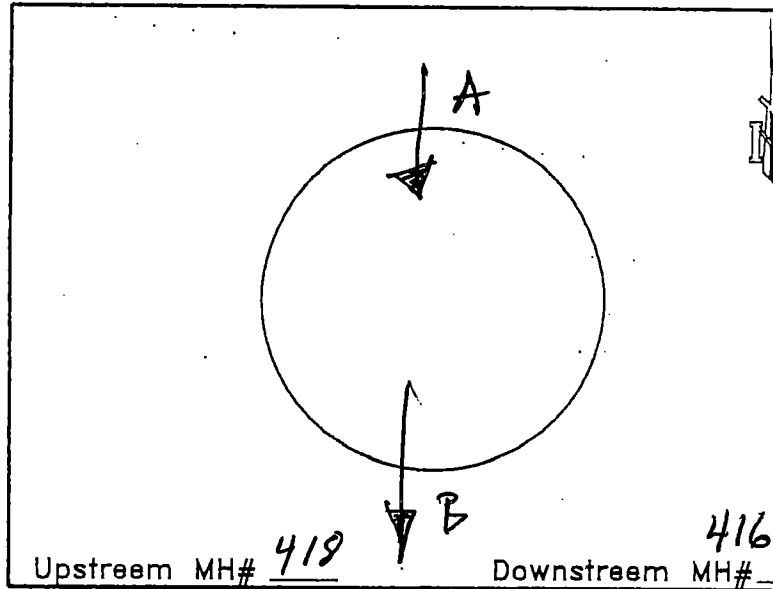
Location: 207 2ND

Basin: 6

MH No. 417

Date: 3-2 Time: _____

Inspector: (BB)



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>5.8</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____ Lid Size

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Traller Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service			
				Line	Size	Type	De
A	b	CL	5.8	1			
B	b	CL	5.8	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ducti
C-Concrete

MANHOLE CONDITION	
<input checked="" type="checkbox"/> Good	
<input type="checkbox"/> Fair	
<input type="checkbox"/> Poor	
<input type="checkbox"/> Debris in Flowline	
<input type="checkbox"/> Debris on Bench	
<input type="checkbox"/> Evidence of Surcharge	
<input type="checkbox"/> Evidence of Infiltration	
<input type="checkbox"/> Other _____	

SOURCE OF LEAK	
<input type="checkbox"/> Main Line Pipe Penitratlons	
<input type="checkbox"/> Service Penitrations	
<input type="checkbox"/> Manhole Joints	
<input type="checkbox"/> Cone Broken	
<input type="checkbox"/> Lid Broken	
<input type="checkbox"/> Lid Missing	
<input type="checkbox"/> Hole In Lid	
<input type="checkbox"/> Other _____	

REHABILITATION (in office)	
<input type="checkbox"/> Replace Manhole	
<input type="checkbox"/> Clean-out Manhole	
<input type="checkbox"/> Re-Build Bench	
<input type="checkbox"/> Replace Ring & Cover	
<input type="checkbox"/> Re-Grout Top Cone &	
<input type="checkbox"/> Seal Inside of Manhole	
<input type="checkbox"/> Grout in Pipe Penitratio	
<input type="checkbox"/> Other _____	

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Object: Mena Utilities SSES

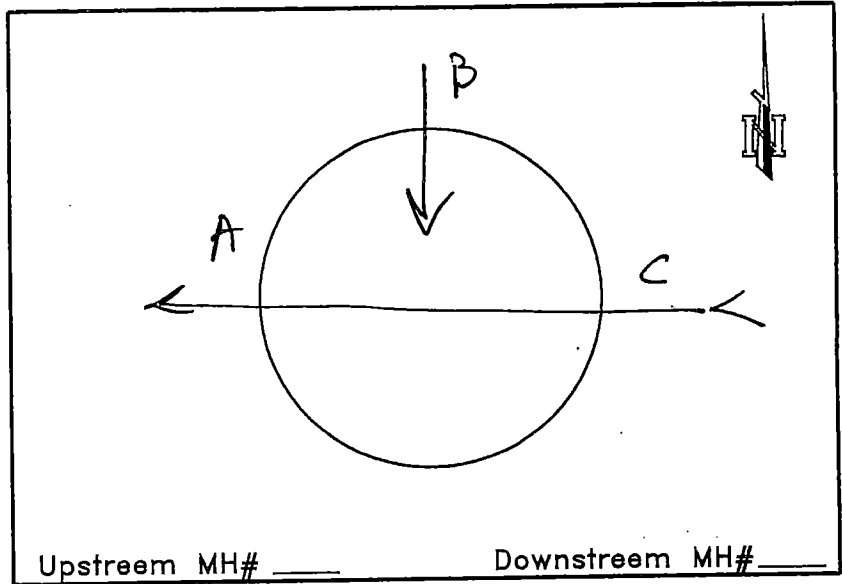
Location: _____

Basin: 2

MH No. 420

Date: 2-22 Time: _____

Inspector: (Signature)



TYPE OF MH DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 4 ft. Depth
- Fiberglass
- Other _____ Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	CLAY	4'	1			
B	8	TRUSS	4'	2			
C	C	CLAY	4'	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other _____

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surchage
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole in Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION 2

Project: Mena Utilities SSES

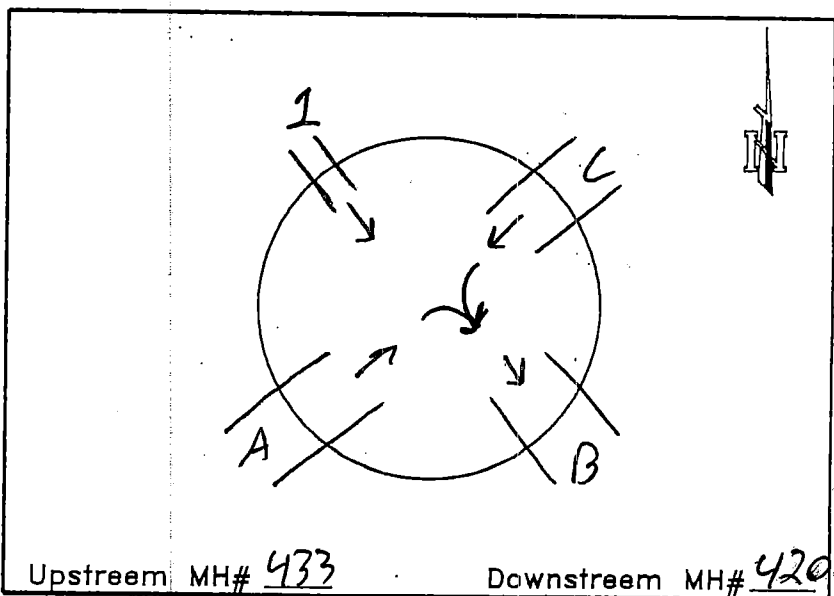
Location: Magnolia between 1st & 2nd

Basin: 2

MH No. 422

Date: 3/2/11 Time: _____

Inspector: Bodley



TYPE OF MH **DESCRIPTION**

Concrete 6 ft. Diameter

Brick 17 ft. Depth

Fiberglass

Other 24 Lid Size

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other Street

Verify data

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	TILSS	17	1	4	PVC	8
B	10	TILSS	17	2			
C	8	TILSS	8	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc.Pavement Sidewalk

Asph.Pavement Yard/Field

Gravel Woods

Other _____

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations

Service Penitrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

Grout In Pipe Penetration

Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

2

Object: Mena Utilities SSES

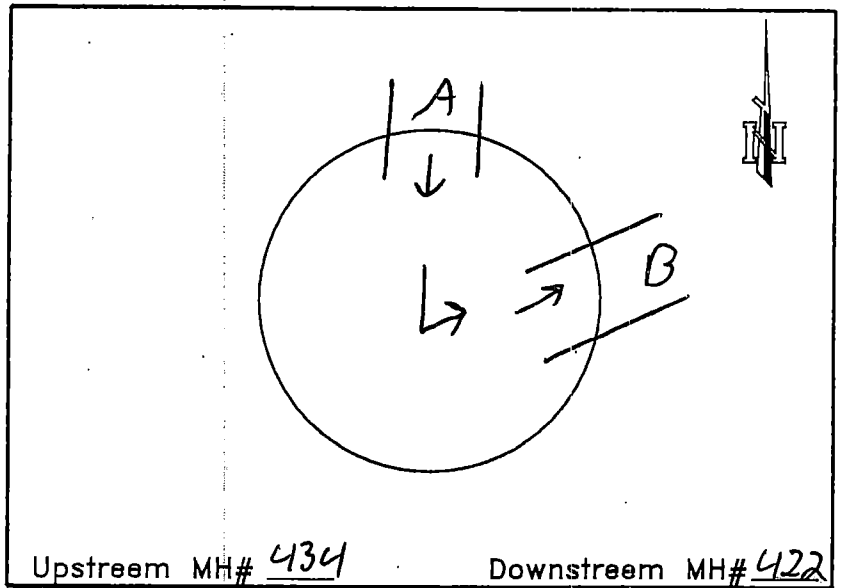
Location: magnolia & Tulip

Basin: 2

MH No. 433

Date: 3/2/11 Time: _____

Inspector: Bodey



TYPE OF MH DESCRIPTION

- Concrete 6 ft. Diameter
- Brick
- Fiberglass 15 ft. Depth
- Other 23 1/2 Lid Size

*Verify or truss
clay or truss*

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other Streets

COVER OVER MANHOLE

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	Truss	15	1			
B	8	Truss	15	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

2

Project: Mena Utilities SSES

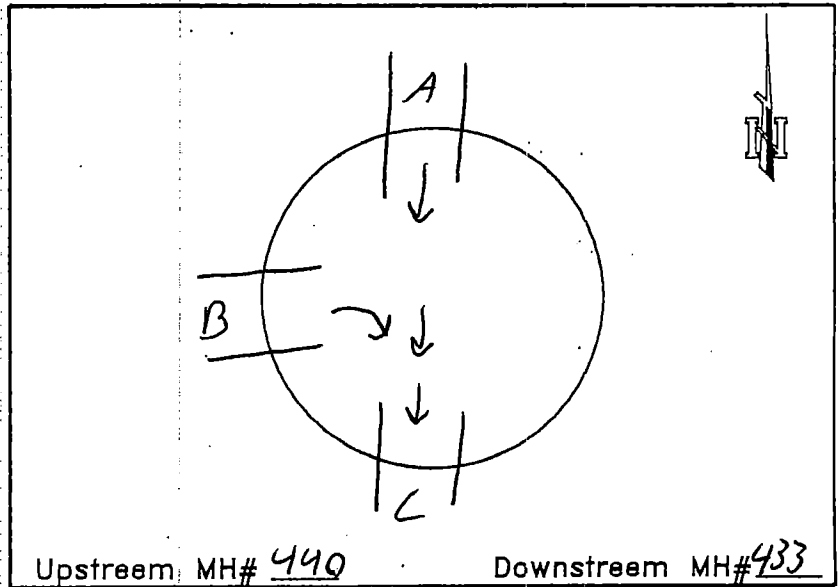
Location: ON Tulip between Magnolia & Violet

Basin: 2

MH No. 434

Date: 3/2/11 Time: _____

Inspector: Rodey



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>6</u> ft. Diameter
<input type="checkbox"/> Brick	<u>15</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>24</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY	
<input type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input checked="" type="checkbox"/> Other <u>Streets</u>

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	Truss	10	1			
B	8	Truss	15	2			
C	8	Truss	15	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asp. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

MANHOLE CONDITION
<input checked="" type="checkbox"/> Good
<input type="checkbox"/> Fair
<input type="checkbox"/> Poor
<input type="checkbox"/> Debris in Flowline
<input type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surcharge
<input type="checkbox"/> Evidence of Infiltration
<input type="checkbox"/> Other _____

SOURCE OF LEAK
<input type="checkbox"/> Main Line Pipe Penitrations
<input type="checkbox"/> Service Penitrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole in Lid
<input type="checkbox"/> Other _____

REHABILITATION (in office)
<input type="checkbox"/> Replace Manhole
<input type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top Cone & Lid
<input type="checkbox"/> Seal Inside of Manhole
<input type="checkbox"/> Grout in Pipe Penetration
<input type="checkbox"/> Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

2

Project: Mena Utilities SSES

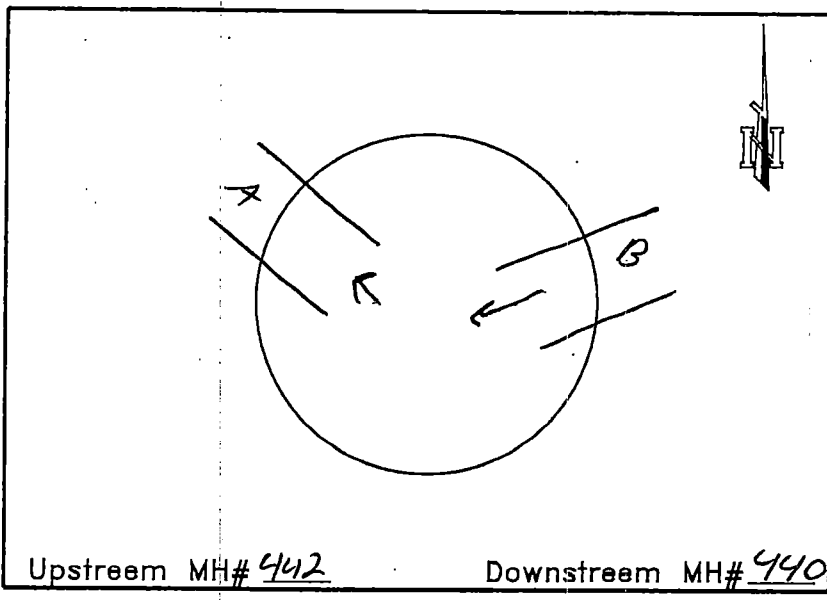
Location: Highland & boulevard

Basin: 2

MH No. 441

Date: 3/2/11 Time: _____

Inspector: Bodey



TYPE OF MH DESCRIPTION

- Concrete 6 ft. Diameter
- Brick
- Fiberglass 4 ft. Depth
- Other 24 Lid Size

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other ditch

COVER OVER MANHOLE

- Conc.Pavement
- Asph.Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	Truss	4	1			
B	8	Truss	4	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION 2

Project: Mena Utilities SSES

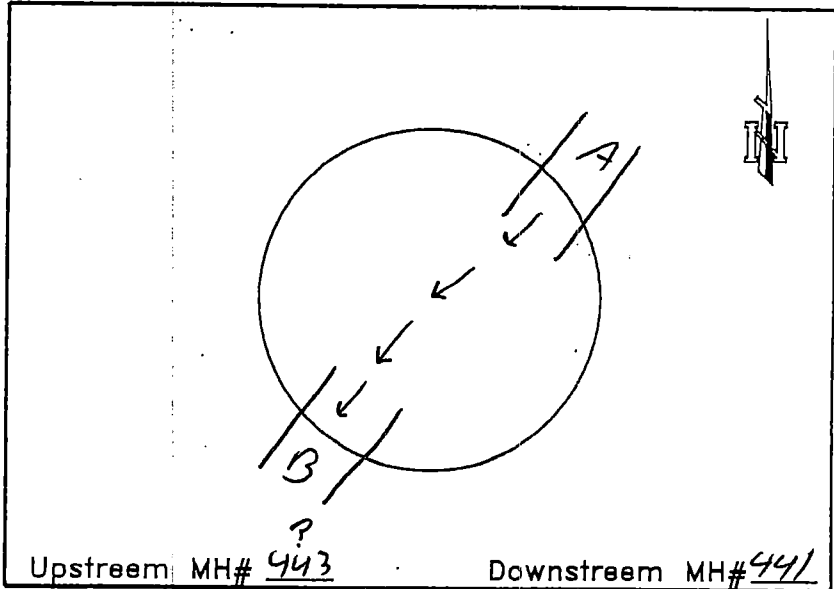
Location: Highland

Basin: ~~443~~ 2

MH No. 442

Date: 3/2/11 Time: _____

Inspector: Bodley



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>3 1/2</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>23 1/2</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input checked="" type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	CL	3 1/2	1			
B	8	Trass	3 1/2	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION
<input checked="" type="checkbox"/> Good
<input type="checkbox"/> Fair
<input type="checkbox"/> Poor
<input type="checkbox"/> Debris in Flowline
<input type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surcharge
<input type="checkbox"/> Evidence of Infiltration
<input type="checkbox"/> Other _____

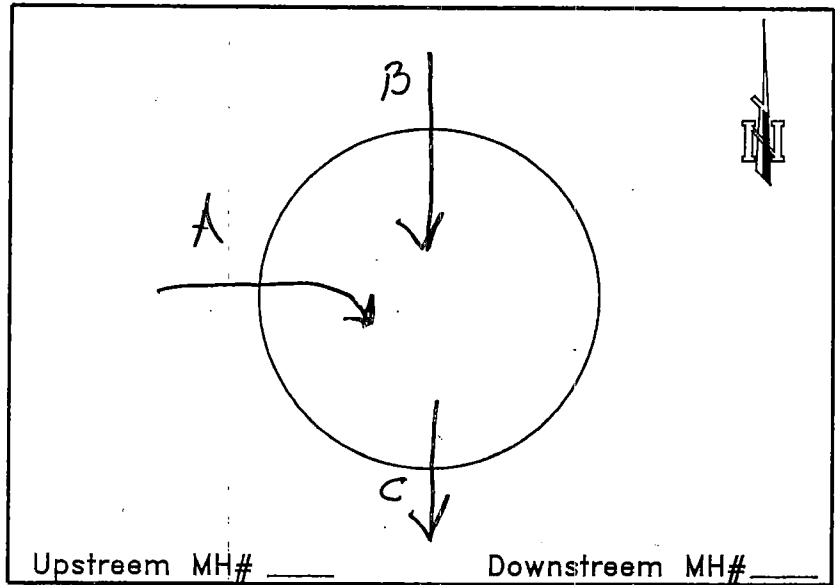
SOURCE OF LEAK
<input type="checkbox"/> Main Line Pipe Penetrations
<input type="checkbox"/> Service Penetrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole in Lid
<input type="checkbox"/> Other _____

REHABILITATION (in office)
<input type="checkbox"/> Replace Manhole
<input type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top Cone & Lid
<input type="checkbox"/> Seal Inside of Manhole
<input type="checkbox"/> Grout in Pipe Penetration
Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Object: Mena Utilities SSES
 Location: _____
 Basin: 2
 MH No. 443
 Date: 2-22 Time: _____
 Inspector: (Signature)



TYPE OF MH **DESCRIPTION**
 Concrete _____ ft. Diameter
 Brick
 Fiberglass 14 ft. Depth
 Other _____ Lid Size

TYPE OF PROPERTY
 Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	CLAY		1			
B	8	TRUSS		2			
C	8	I		3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE
 Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods
 Other _____

MANHOLE CONDITION
 Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK
 Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole in Lid
 Other _____

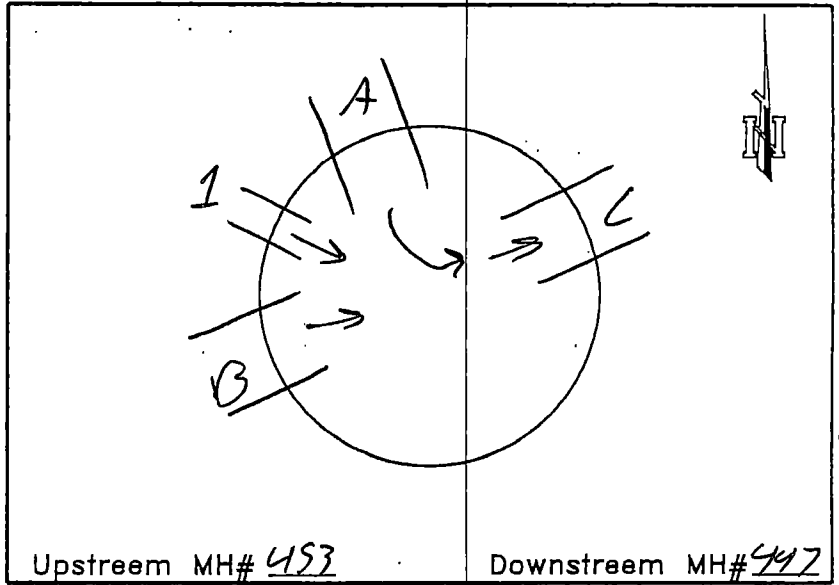
REHABILITATION (in office)
 Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

7

Project: Mena Utilities SSES
 Location: in ally behind
Really clear pizza
 Basin: 7
 MH No. 452
 Date: 3/2/11 Time: _____
 Inspector: Bodley



TYPE OF MH **DESCRIPTION**

Concrete 3 ft. Diameter
 Brick 3 ft. Depth
 Fiberglass
 Other 23 Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other ally

COVER OVER MANHOLE

Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CL	3	1	6"	C	2
B	10	CL	3	2			
C	10	CL	3	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole in Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

7

Project: Mena Utilities SSES

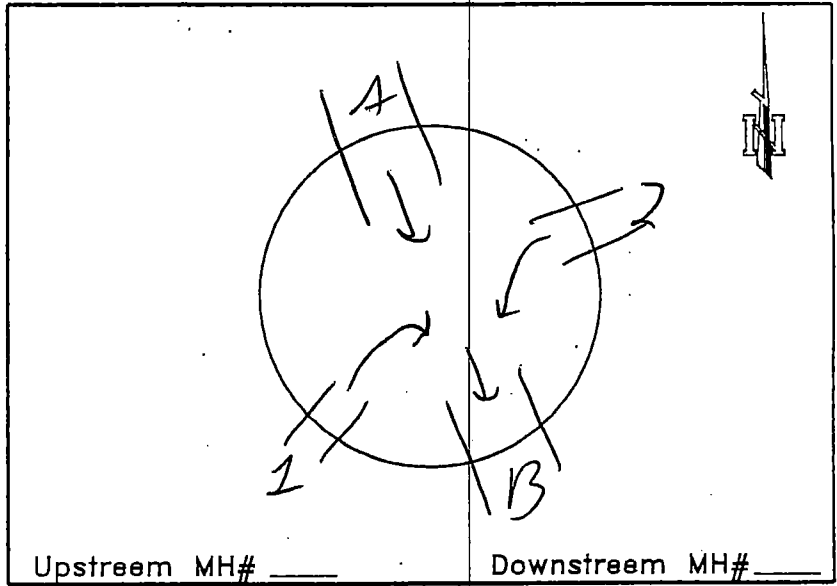
Location: Behind Skyline Cafe

Basin: 7

MH No. 453

Date: 3/2/11 Time: _____

Inspector: Bodey



TYPE OF MH

DESCRIPTION

- Concrete 6 ft. Diameter
- Brick 4 ft. Depth
- Fiberglass
- Other 24 Lid Size

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other all

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	CL	4	1	4	CI	3
B	10	CL	4	2	4	CL	3
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other _____

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole in Lid
- Other _____

REHABILITATION (in office)

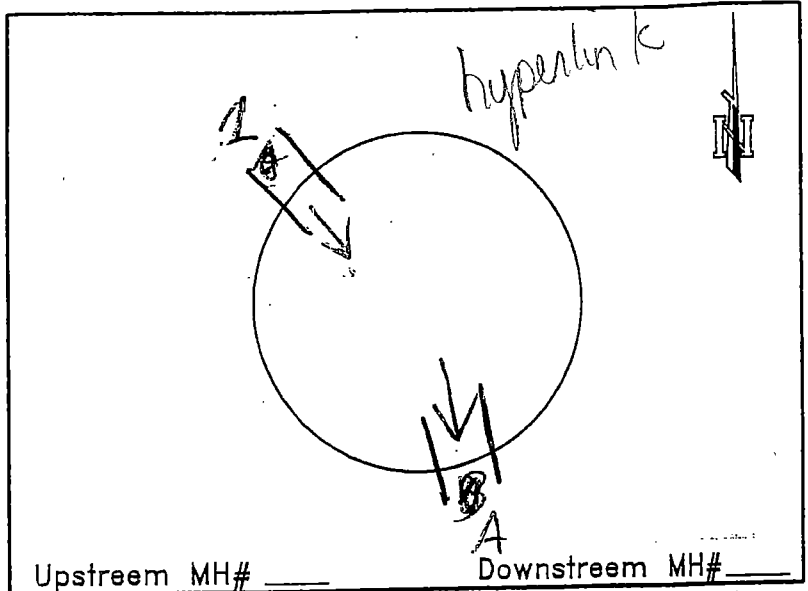
- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

6

Project: Mena Utilities SSES
 Location: bus turn around at old middle school
 Basin: _____
 MH No. 463 1/2
 Date: 7/21/10 Time: _____
 Inspector: Reddy



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter
 Brick 7 ft. Depth
 Fiberglass
 Other 24 Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other driveway at middle school

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8"	CL	7'	1	4"	Clay pipe	4'
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS

Added to D.B.

MANHOLE EVALUATION

Project: Mena Utilities SSES

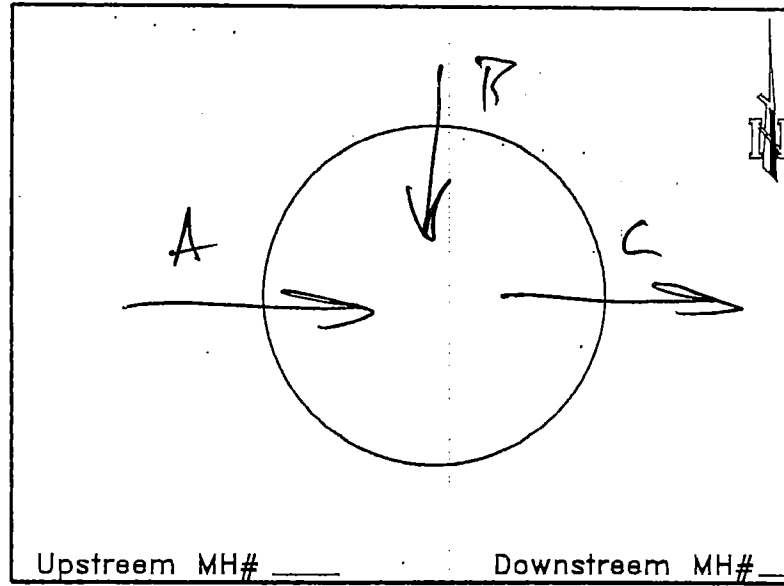
Location: SID CAMPSON

Basin: 6

MH No. 466

Date: 3-7 Time: _____

Inspector: (B)



Upstream MH# _____ Downstream MH# _____

TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick _____ ft. Depth
- Fiberglass _____ Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asp. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	PVC	6.3	1			
B	8	Tross	6.3	2			
C	8	CL	6.3	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductil
C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

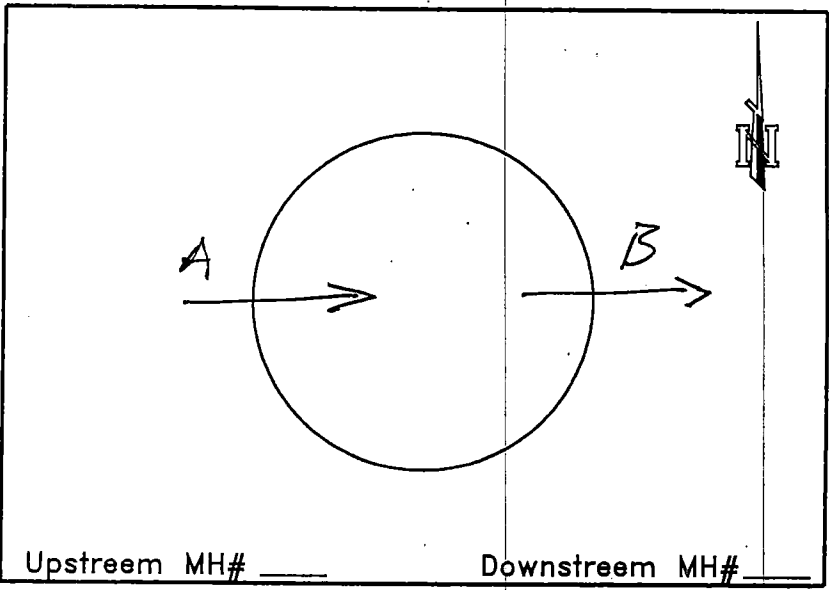
REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & L
- Seal Inside of Manhole
- Grout in Pipe Penitrator
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: 608 WARNER
 Basin: 2
 MH No. 468
 Date: 2-22 Time: _____
 Inspector: (Signature)



TYPE OF MH **DESCRIPTION**
 Concrete 4 ft. Diameter
 Brick 7 ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY
 Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	PVC	7.0	1			
B	1	1	7.0	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE
 Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

MANHOLE CONDITION
 Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

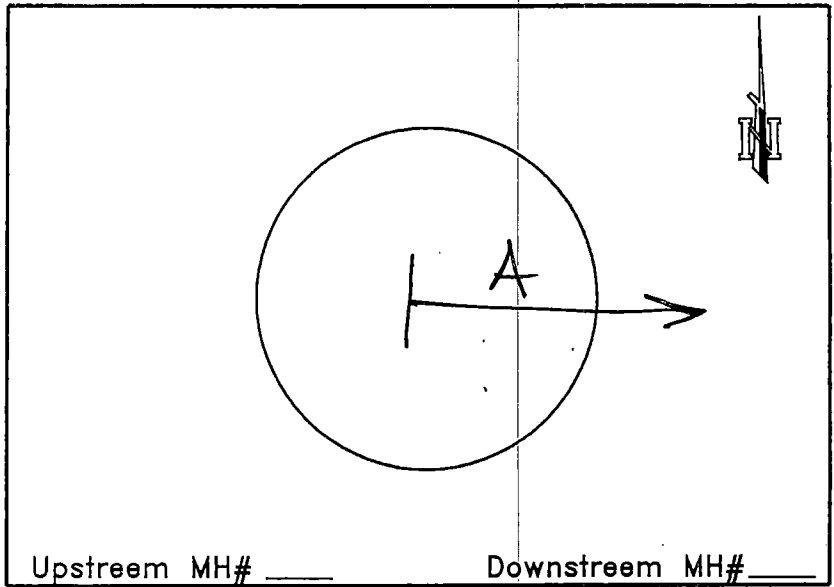
SOURCE OF LEAK
 Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)
 Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Object: Mena Utilities SSES
 Location: 710 WARNER.
 Basin: 2
 MH No. 469
 Date: 2-22 Time: _____
 Inspector: (BK)



TYPE OF MH **DESCRIPTION**
 Concrete 4 ft. Diameter
 Brick 9.4 ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY
 Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	9.4	1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE
 Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

MANHOLE CONDITION
 Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK
 Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)
 Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

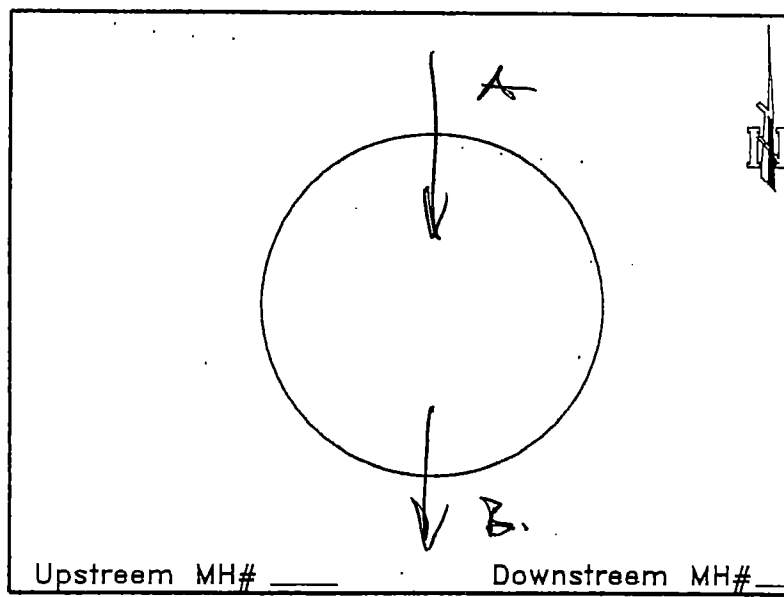
Location: SAMPSON & MTN. VIEW

Basin: 6

MH No. 479

Date: 3-7 Time: _____

Inspector: BP



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter

Brick 4.9 ft. Depth

Fiberglass

Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

COVER OVER MANHOLE

Conc. Pavement Sidewalk

Asph. Pavement Yard/Field

Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	Truss	4.9	1			
B	1	1	1	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductil
C-Concrete

MANHOLE CONDITION

Good

Fair

Poor

Debris In Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations

Service Penitrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & L

Seal Inside of Manhole

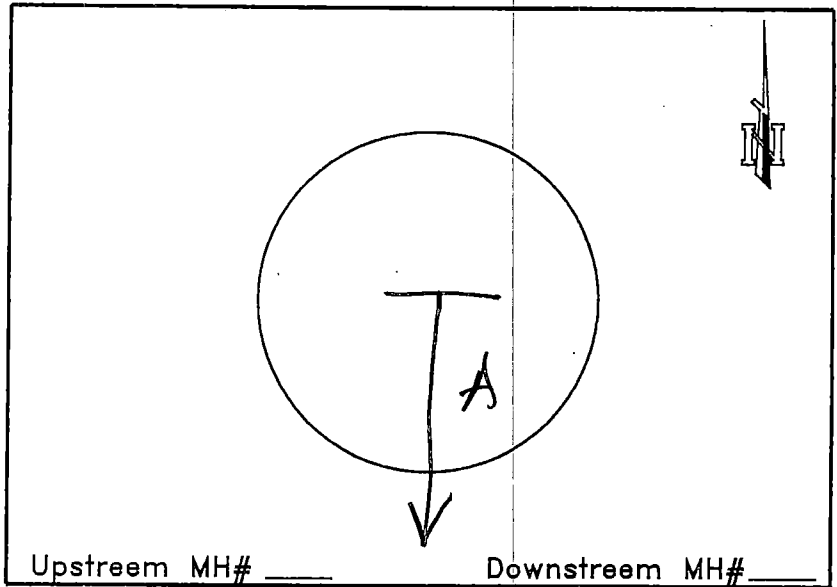
Grout In Pipe Penitrator

Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Object: Mena Utilities SSES
 Location: MT. VIEW
 Basin: 2
 MH No. 482
 Date: 2-22 Time: _____
 Inspector: (BB)



Upstream MH# _____

Downstream MH# _____

TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick 6.1 ft. Depth
- Fiberglass
- Other _____ Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	6.1	1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penitration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

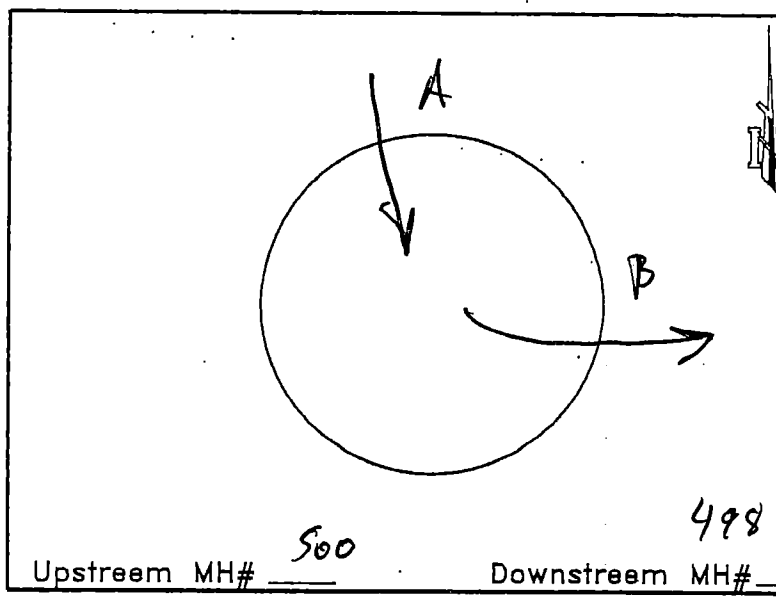
Location: 9th & MAGNOLIA

Basin: 6

MH No. 499

Date: _____ Time: _____

Inspector: (Signature)



TYPE OF MH	DESCRIPTION
<input type="checkbox"/>	Concrete <u>4</u> ft. Diameter
<input checked="" type="checkbox"/>	Brick <u>REINFORCED</u> <u>4.16</u> ft. Depth
<input type="checkbox"/>	Fiberglass _____ Lid Size
<input type="checkbox"/>	Other _____ Lid Size

TYPE OF PROPERTY	
<input checked="" type="checkbox"/>	Residence <input type="checkbox"/> Trailer Park
<input type="checkbox"/>	Business <input type="checkbox"/> Vacant Lot
<input type="checkbox"/>	Apartment <input type="checkbox"/> Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A	10	CL	4.6	1			
B	1	CL	1	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ducti
C-Concrete

COVER OVER MANHOLE	
<input type="checkbox"/>	Conc. Pavement <input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/>	Asph. Pavement <input type="checkbox"/> Yard/Field
<input type="checkbox"/>	Gravel <input type="checkbox"/> Woods
Other _____	

MANHOLE CONDITION
<input checked="" type="checkbox"/> Good
<input type="checkbox"/> Fair
<input type="checkbox"/> Poor
<input type="checkbox"/> Debris in Flowline
<input type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surcharge
<input type="checkbox"/> Evidence of Infiltration
<input type="checkbox"/> Other _____

SOURCE OF LEAK
<input type="checkbox"/> Main Line Pipe Penitrations
<input type="checkbox"/> Service Penitrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole In Lid
<input type="checkbox"/> Other _____

REHABILITATION (in office)
<input type="checkbox"/> Replace Manhole
<input type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top Cone &
<input type="checkbox"/> Seal Inside of Manhole
<input type="checkbox"/> Grout in Pipe Penitratio
Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

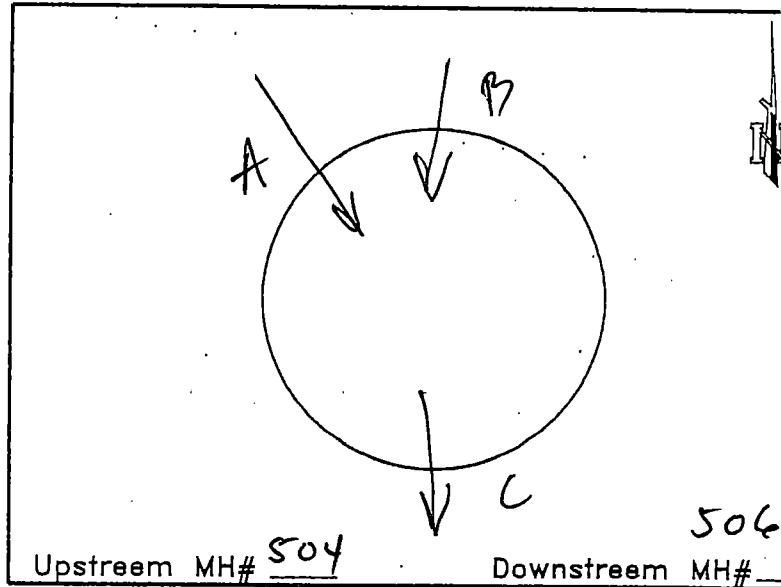
Location: 11th MAGNOLIA.

Basin: 6

MH No. 503

Date: 3-7-11 Time: _____

Inspector: (Signature)



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>3</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A	6	CL.	5	1			
B	6	Pvc.	1	2			
C	10	CL.	1	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ducti
C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & L
- Seal Inside of Manhole
- Grout In Pipe Penitrator
- Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

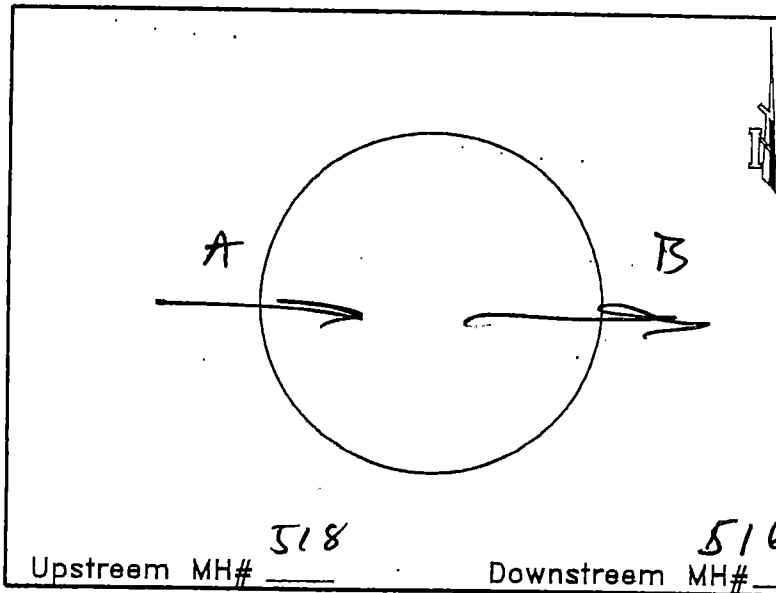
Location: 1500 CHURCH.

Basin: 6

MH No. 517

Date: 3-7 Time: _____

Inspector: (Signature)



TYPE OF MH

- | | | |
|-------------------------------------|------------|-----------------------|
| <input checked="" type="checkbox"/> | Concrete | <u>4</u> ft. Diameter |
| <input type="checkbox"/> | Brick | <u>6</u> ft. Depth |
| <input type="checkbox"/> | Fiberglass | _____ Lid Size |
| <input type="checkbox"/> | Other | _____ |

DESCRIPTION

TYPE OF PROPERTY

- | | | | |
|-------------------------------------|-----------|--------------------------|--------------|
| <input checked="" type="checkbox"/> | Residence | <input type="checkbox"/> | Trailer Park |
| <input type="checkbox"/> | Business | <input type="checkbox"/> | Vacant Lot |
| <input type="checkbox"/> | Apartment | <input type="checkbox"/> | Other _____ |

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A	6	CL	6	1			
B	6	CL	1	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductil
C-Concrete

COVER OVER MANHOLE

- | | | | |
|-------------------------------------|----------------|--------------------------|------------|
| <input checked="" type="checkbox"/> | Conc. Pavement | <input type="checkbox"/> | Sidewalk |
| <input type="checkbox"/> | Asph. Pavement | <input type="checkbox"/> | Yard/Field |
| <input type="checkbox"/> | Gravel | <input type="checkbox"/> | Woods |

Other _____

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & L
- Seal Inside of Manhole
- Grout in Pipe Penitratior
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

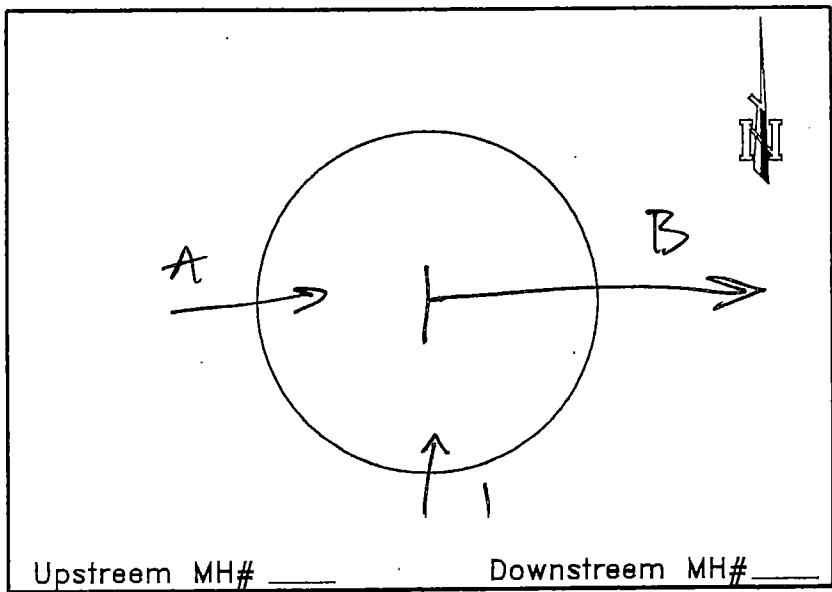
Location: CARTER & POLK

Basin: 5

MH No. 529

Date: 2-23 Time: _____

Inspector: (Signature)



TYPE OF MH **DESCRIPTION**

Concrete _____ ft. Diameter

Brick _____ ft. Depth

Fiberglass

Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CON	7.3	1	4	CAST	3.6
B	1	1	4.6	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc.Pavement Sidewalk

Asph.Pavement Yard/Field

Gravel Woods

Other _____

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations

Service Penitrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

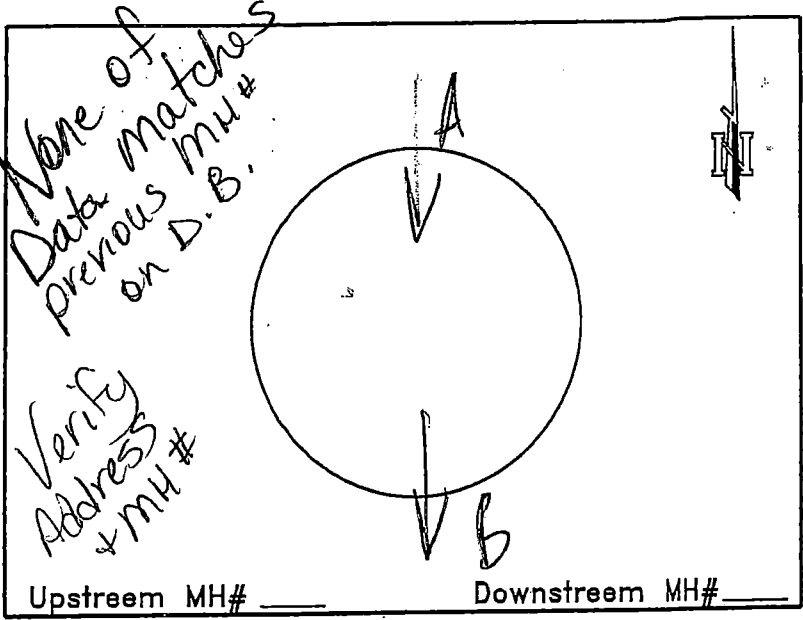
Grout in Pipe Penetration

Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: Hwy 71 South
ACROSS FROM LEONIS
 Basin: CLUB ROAD.
 MH No. 559
 Date: _____ Time: _____
 Inspector: BB



TYPE OF MH **DESCRIPTION**

Concrete _____ ft. Diameter
 Brick _____ ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	12"	TRUST	4.0	1			
B	12"	1	4.0	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

11



Project: Mena Utilities SSES

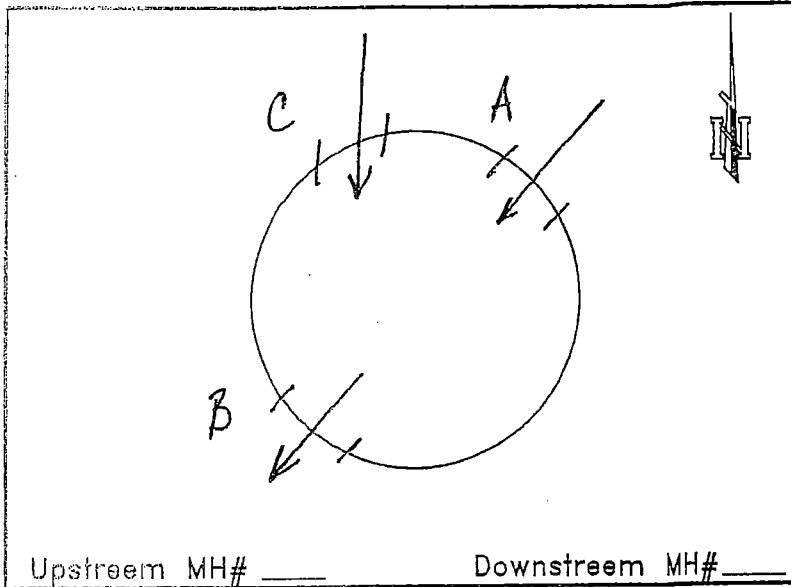
Location: SHERWOOD & REEVES

Basin: _____

MH No. 5p8

Date: _____ Time: _____

Inspector: (BB)



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>6.5</u> ft. Depth
<input type="checkbox"/> Fiberglass	
<input type="checkbox"/> Other	<u>23.5</u> Lid Size

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input checked="" type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	CON	6	1			
B	10	CON	6.5	2			
C	8	CIN	4	3			
D				4			

PVC--Plastic, CI--Cast Iron, CL--Clay, DI--Ductile, C--Concrete

MANHOLE CONDITION
<input checked="" type="checkbox"/> Good
<input type="checkbox"/> Fair
<input type="checkbox"/> Poor
<input type="checkbox"/> Debris in Flowline
<input type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surcharge
<input type="checkbox"/> Evidence of Infiltration
<input type="checkbox"/> Other _____

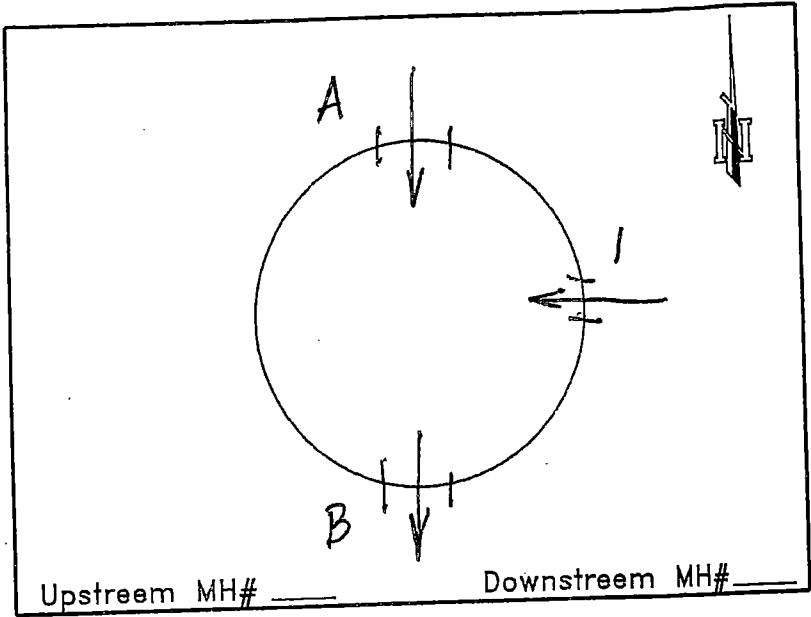
SOURCE OF LEAK
<input type="checkbox"/> Main Line Pipe Penetrations
<input type="checkbox"/> Service Penetrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole In Lid
<input type="checkbox"/> Other _____

REHABILITATION (in office)
<input type="checkbox"/> Replace Manhole
<input type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top Cone & Lid
<input type="checkbox"/> Seal Inside of Manhole
<input type="checkbox"/> Grout in Pipe Penetration
<input type="checkbox"/> Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: 1100 REEVES
IN ROAD IN FRONT OF PROP.
 Basin: _____
 MH No. 572
 Date: 6.28.10 Time: _____
 Inspector: BB



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter
 Brick _____ ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CON	5.9	1	4	PVC	4.5
B	8	CON	5.9	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

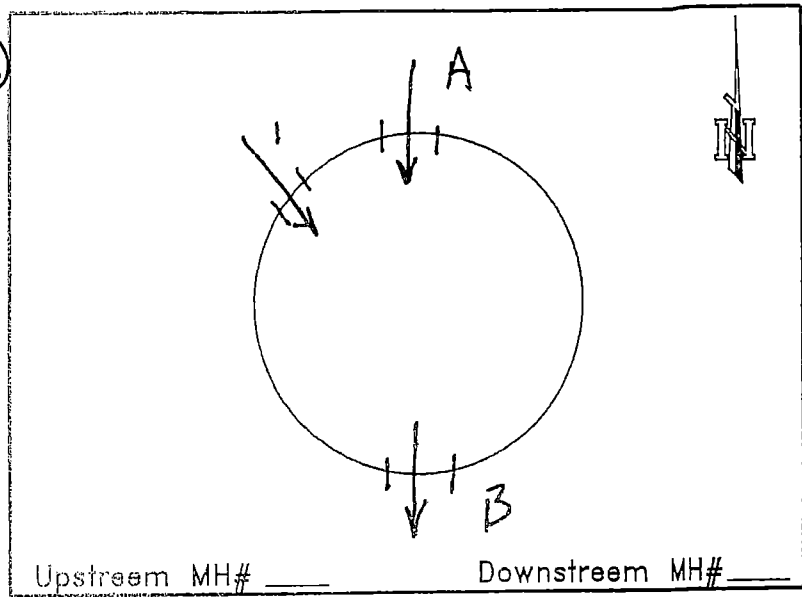
REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: ON REEVES (START OF REEVES)
 Basin: _____
 MH No: 574
 Date: 6-28-10 Time: _____
 Inspector: (Signature)



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter
 Brick _____ ft. Depth
 Fiberglass
 Other 23 1/2 Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	PVC	6	1			5.6
B	8	CON	6	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

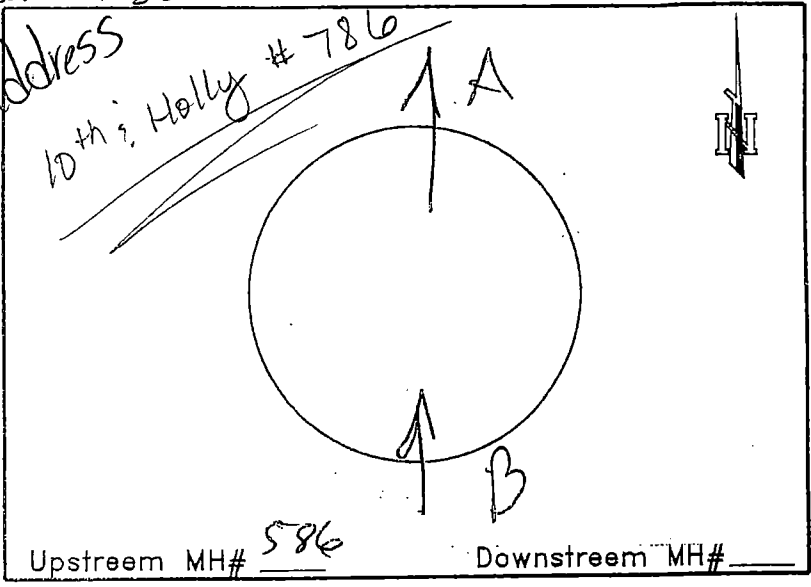
ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

11

Project: Mena Utilities SSES
 Location: 10th & HOLLY or 9th 30th Oak - #586

Verify address



Basin: _____
 MH No. 586
 Date: 8/10 Time: _____
 Inspector: (Signature)

TYPE OF MH DESCRIPTION

Concrete 4-23.5 ft. Diameter
 Brick 6 ft. Depth
 Fiberglass
 Other 23.5 Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other

COVER OVER MANHOLE

Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods
 Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	CON	6	1			
B	1	1	1	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole in Lid
 Other _____

REHABILITATION (in office)

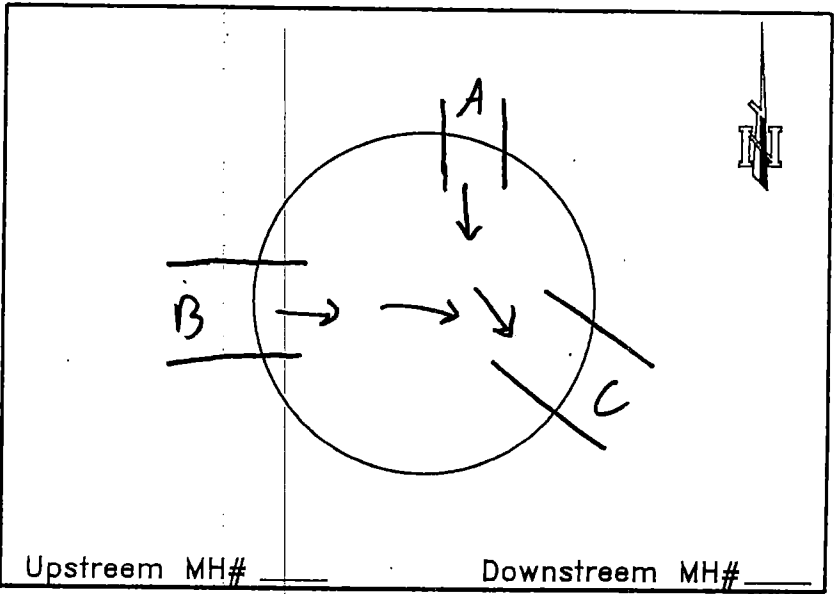
Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS

Not on D.B.

MANHOLE EVALUATION

Object: Mena Utilities SSES
 Location: EAST side of Hwy 8E
By Southern disposal
 Basin: 23
 MH No. 607
 Date: 2/23/11 Time: _____
 Inspector: Rodey



TYPE OF MH **DESCRIPTION**
 Concrete 6 ft. Diameter
 Brick 8 ft. Depth
 Fiberglass
 Other 24 Lid Size

TYPE OF PROPERTY
 Residence Trailer Park
 Business Vacant Lot
 Apartment Other

COVER OVER MANHOLE
 Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	PVC	7'6"	1			
B	18	C	6'5"	2			
C	18	C	6'5"	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION
 Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK
 Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)
 Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION



Project: Mena Utilities SSES

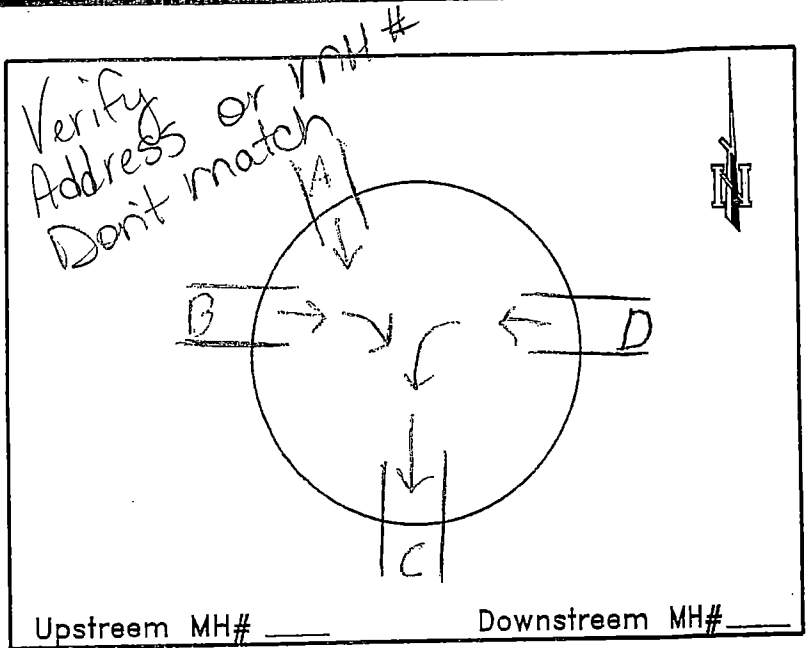
Location: manhole on the middle of Miller - Sect 10

Basin: _____

MH No: 604 - Sect 24

Date: 1/23/10 Time: _____

Inspector: Booley



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	_____ ft. Diameter
<input type="checkbox"/> Brick	_____ ft. Depth
<input type="checkbox"/> Fiberglass	<u>24</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY	
<input type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input checked="" type="checkbox"/> Other <u>Silvest</u>

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8"	PVC	40"	1			
B	6"	PVC	5.6'	2			
C	8"	TRUSS	6'	3			
D	6"	PVC	6'	4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE	
<input checked="" type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods

Other _____

MANHOLE CONDITION	
<input checked="" type="checkbox"/> Good	
<input type="checkbox"/> Fair	
<input type="checkbox"/> Poor	
<input type="checkbox"/> Debris in Flowline	
<input type="checkbox"/> Debris on Bench	
<input type="checkbox"/> Evidence of Surcharge	
<input type="checkbox"/> Evidence of Infiltration	
<input type="checkbox"/> Other _____	

SOURCE OF LEAK	
<input type="checkbox"/>	Main Line Pipe Penetrations
<input type="checkbox"/>	Service Penetrations
<input type="checkbox"/>	Manhole Joints
<input type="checkbox"/>	Cone Broken
<input type="checkbox"/>	Lid Broken
<input type="checkbox"/>	Lid Missing
<input type="checkbox"/>	Hole in Lid
<input type="checkbox"/>	Other _____

REHABILITATION (in office)	
<input type="checkbox"/>	Replace Manhole
<input type="checkbox"/>	Clean-out Manhole
<input type="checkbox"/>	Re-Build Bench
<input type="checkbox"/>	Replace Ring & Cover
<input type="checkbox"/>	Re-Grout Top Cone & Lid
<input type="checkbox"/>	Seal Inside of Manhole
<input type="checkbox"/>	Grout in Pipe Penetration
<input type="checkbox"/>	Other _____

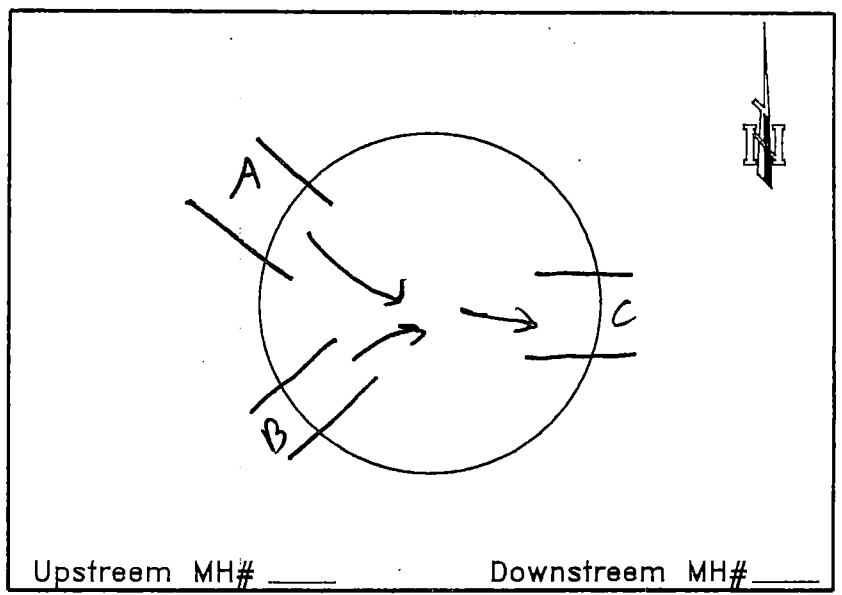
ADDITIONAL COMMENTS _____

Not on D.B.

MANHOLE EVALUATION

23

Project: Mena Utilities SSES
 Location: WEST Side OF Hwy 8E
along from Southern d.'s posale
 Basin: 23
 MH No. 608
 Date: 2/23/11 Time: _____
 Inspector: Bodey



Upstream MH# _____ Downstream MH# _____

TYPE OF MH DESCRIPTION

Concrete 6 ft. Diameter
 Brick 5 ft. Depth
 Fiberglass
 Other 24 Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other side away

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	18	C	4'	1			
B	10	DI	3'	2			
C	18	C	4'	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods

Other _____

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

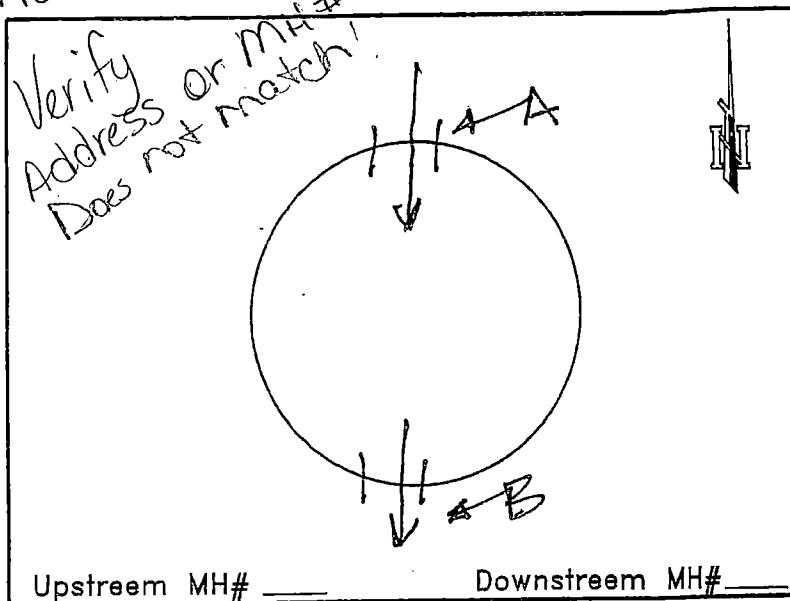
REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: EVE & HAMILTON ST. - sect. 10
(MID. OF ROAD)
 Basin: _____
 MH No: 612 - sect 23
 Date: 6-22-10 Time: _____
 Inspector: BB



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter

Brick 5.6 ft. Depth

Fiberglass

Other 23 Lid Size

Upstream MH# _____ Downstream MH# _____

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10 ^{IN}	CLAY	5.6	1			
B	10 ^{IN}	CLAY	5.6	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc.Pavement Sidewalk

Asph.Pavement Yard/Field

Gravel Woods

Other _____

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline.
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

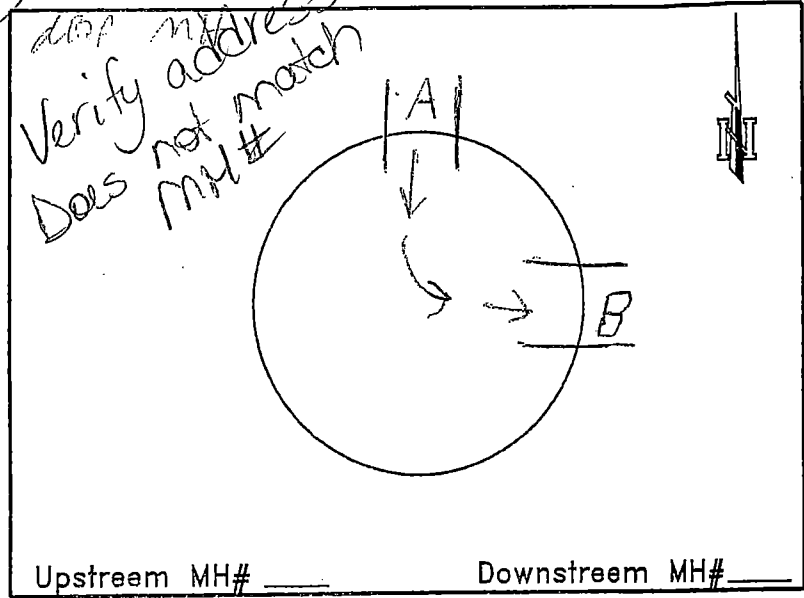
ADDITIONAL COMMENTS _____

NOT on D.B.

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: intersection of Polk and Hamilton
 Basin: _____
 MH No. 613 - (sect 26)
 Date: 6/23/10 Time: _____
 Inspector: Rodley

(sect 10)



TYPE OF MH DESCRIPTION

Concrete _____ ft. Diameter
 Brick 12.3 ft. Depth
 Fiberglass _____
 Other 24 Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other SILENT

COVER OVER MANHOLE

Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods
 Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8"	TRUSS	6'	1			
B	8"	CL	12.3'	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

Not on D.B.

MANHOLE EVALUATION

26

Project: Mena Utilities SSES

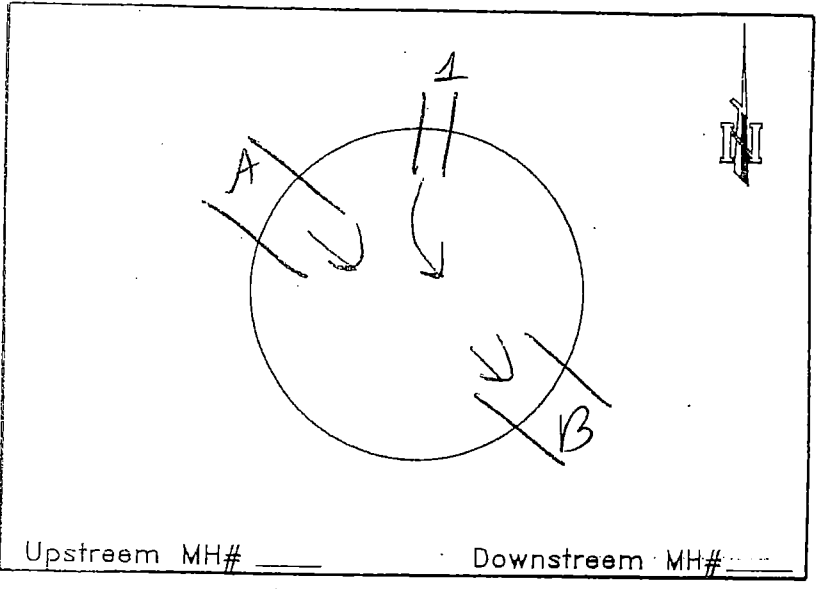
Location: _____

Basin: 26

MH No. 616

Date: _____ Time: _____

Inspector: _____



TYPE OF MH DESCRIPTION

- Concrete 4 ft. Diameter
- Brick
- Fiberglass 1 ft. Depth
- Other 23 1/2 Lid Size

TYPE OF PROPERTY

- Residence
- Business Trailer, Park
- Apartment Vacant Lot
- Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	MC	7'	1	4"	MC	1 1/2'
B	10	MC	7'	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods
- Other _____

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION 23

Project: Mena Utilities SSES

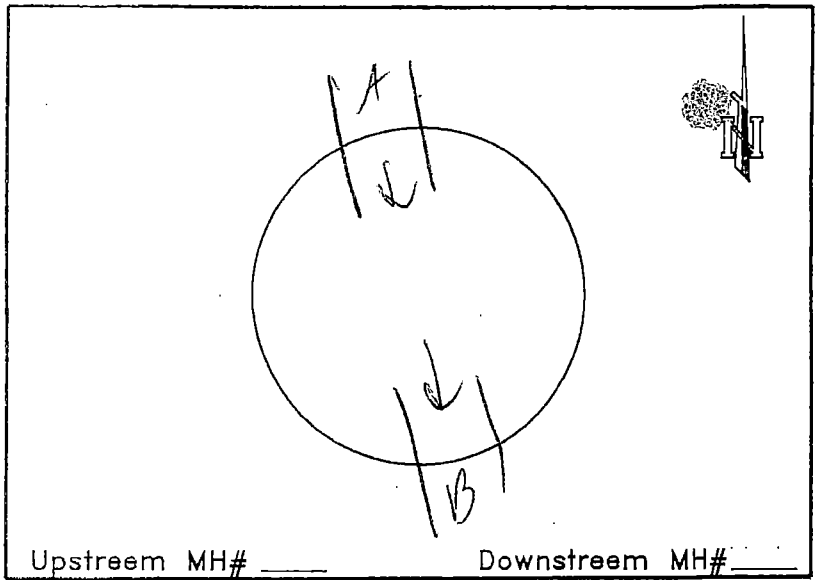
Location: _____

Basin: _____

MH No. 033

Date: 8/19/10 Time: _____

Inspector: Boady



TYPE OF MH DESCRIPTION

- | | | |
|-------------------------------------|------------|-----------------------|
| <input checked="" type="checkbox"/> | Concrete | <u>4</u> ft. Diameter |
| <input type="checkbox"/> | Brick | |
| <input type="checkbox"/> | Fiberglass | <u>8</u> ft. Depth |
| <input type="checkbox"/> | Other | <u>24</u> Lid Size |

Upstream MH# _____ Downstream MH# _____

TYPE OF PROPERTY

- | | | | |
|--------------------------|-----------|-------------------------------------|-------------------|
| <input type="checkbox"/> | Residence | <input type="checkbox"/> | Trailer Park |
| <input type="checkbox"/> | Business | <input type="checkbox"/> | Vacant Lot |
| <input type="checkbox"/> | Apartment | <input checked="" type="checkbox"/> | Other <u>City</u> |

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	TUSS	8'	1			
B	10	TUSS	6'	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

- | | | | |
|-------------------------------------|----------------|--------------------------|------------|
| <input checked="" type="checkbox"/> | Conc. Pavement | <input type="checkbox"/> | Sidewalk |
| <input type="checkbox"/> | Asph. Pavement | <input type="checkbox"/> | Yard/Field |
| <input type="checkbox"/> | Gravel | <input type="checkbox"/> | Woods |

Other _____

MANHOLE CONDITION

- | | |
|-------------------------------------|--------------------------|
| <input checked="" type="checkbox"/> | Good |
| <input type="checkbox"/> | Fair |
| <input type="checkbox"/> | Poor |
| <input type="checkbox"/> | Debris in Flowline |
| <input type="checkbox"/> | Debris on Bench |
| <input type="checkbox"/> | Evidence of Surcharge |
| <input type="checkbox"/> | Evidence of Infiltration |
| <input type="checkbox"/> | Other _____ |

SOURCE OF LEAK

- | | |
|--------------------------|-----------------------------|
| <input type="checkbox"/> | Main Line Pipe Penetrations |
| <input type="checkbox"/> | Service Penetrations |
| <input type="checkbox"/> | Manhole Joints |
| <input type="checkbox"/> | Cone Broken |
| <input type="checkbox"/> | Lid Broken |
| <input type="checkbox"/> | Lid Missing |
| <input type="checkbox"/> | Hole In Lid |
| <input type="checkbox"/> | Other _____ |

REHABILITATION (in office)

- | | |
|--------------------------|---------------------------|
| <input type="checkbox"/> | Replace Manhole |
| <input type="checkbox"/> | Clean-out Manhole |
| <input type="checkbox"/> | Re-Build Bench |
| <input type="checkbox"/> | Replace Ring & Cover |
| <input type="checkbox"/> | Re-Grout Top Cone & Lid |
| <input type="checkbox"/> | Seal Inside of Manhole |
| <input type="checkbox"/> | Grout in Pipe Penetration |
| <input type="checkbox"/> | Other _____ |

ADDITIONAL COMMENTS

MANHOLE EVALUATION

18

Project: Mena Utilities SSES

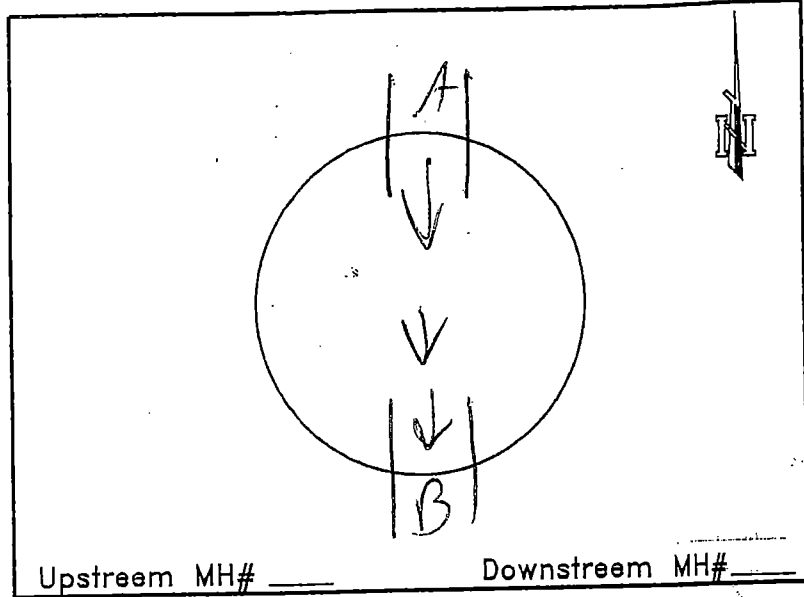
Location: _____

Basin: _____

MH No. 650

Date: 7/22/10 Time: _____

Inspector: _____



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>6</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>23 1/2</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY	
<input type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input checked="" type="checkbox"/> Other <u>Street</u>

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	PVC	6	1			
B	8	PVC	6.8	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE	
<input checked="" type="checkbox"/> Conc.Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph.Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

MANHOLE CONDITION	
<input checked="" type="checkbox"/> Good	
<input type="checkbox"/> Fair	
<input type="checkbox"/> Poor	
<input type="checkbox"/> Debris in Flowline	
<input type="checkbox"/> Debris on Bench	
<input type="checkbox"/> Evidence of Surcharge	
<input type="checkbox"/> Evidence of Infiltration	
<input type="checkbox"/> Other _____	

SOURCE OF LEAK	
<input type="checkbox"/> Main Line Pipe Penetrations	
<input type="checkbox"/> Service Penetrations	
<input type="checkbox"/> Manhole Joints	
<input type="checkbox"/> Cone Broken	
<input type="checkbox"/> Lid Broken	
<input type="checkbox"/> Lid Missing	
<input type="checkbox"/> Hole In Lid	
<input type="checkbox"/> Other _____	

REHABILITATION (in office)	
<input type="checkbox"/> Replace Manhole	
<input type="checkbox"/> Clean-out Manhole	
<input type="checkbox"/> Re-Build Bench	
<input type="checkbox"/> Replace Ring & Cover	
<input type="checkbox"/> Re-Grout Top Cone & Lid	
<input type="checkbox"/> Seal Inside of Manhole	
<input type="checkbox"/> Grout in Pipe Penetration	
<input type="checkbox"/> Other _____	

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

18

Project: Mena Utilities SSES

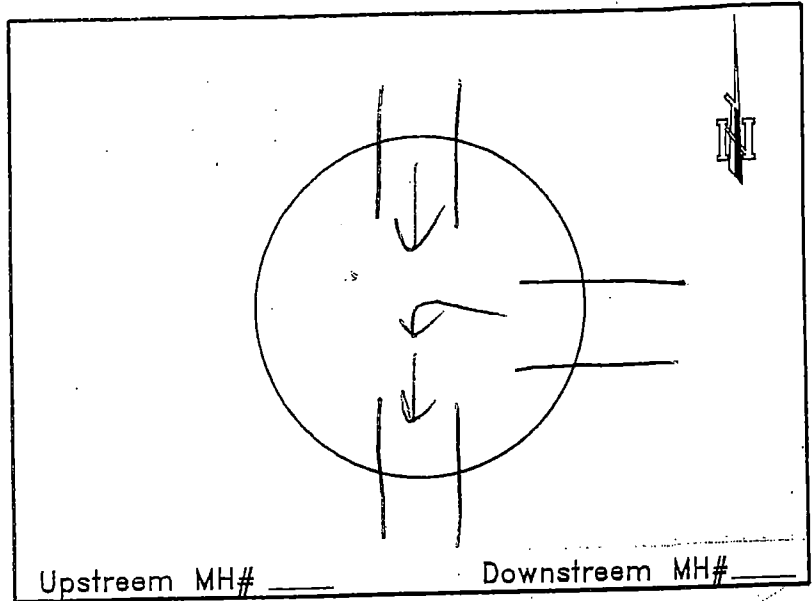
Location: _____

Basin: _____

MH No. 653

Date: 7/22/10 Time: _____

Inspector: Rodney



Upstream MH# _____ Downstream MH# _____

TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>9</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>33 1/2</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY

<input type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input checked="" type="checkbox"/> Other <u>Street</u>

COVER OVER MANHOLE

<input type="checkbox"/> Conc.Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph.Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	PVC	9.10	1			
B	10	PVC	9.10	2			
C	10	PVC	9.10	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

<input checked="" type="checkbox"/> Good
<input type="checkbox"/> Fair
<input type="checkbox"/> Poor
<input type="checkbox"/> Debris in Flowline
<input type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surcharge
<input type="checkbox"/> Evidence of Infiltration
<input type="checkbox"/> Other _____

SOURCE OF LEAK

<input type="checkbox"/> Main Line Pipe Penetrations
<input type="checkbox"/> Service Penetrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole In Lid
<input type="checkbox"/> Other _____

REHABILITATION (in office)

<input type="checkbox"/> Replace Manhole
<input type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top Cone & Lid
<input type="checkbox"/> Seal Inside of Manhole
<input type="checkbox"/> Grout in Pipe Penetration
<input type="checkbox"/> Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION



Project: Mena Utilities SSES

Location: Mission + Locust

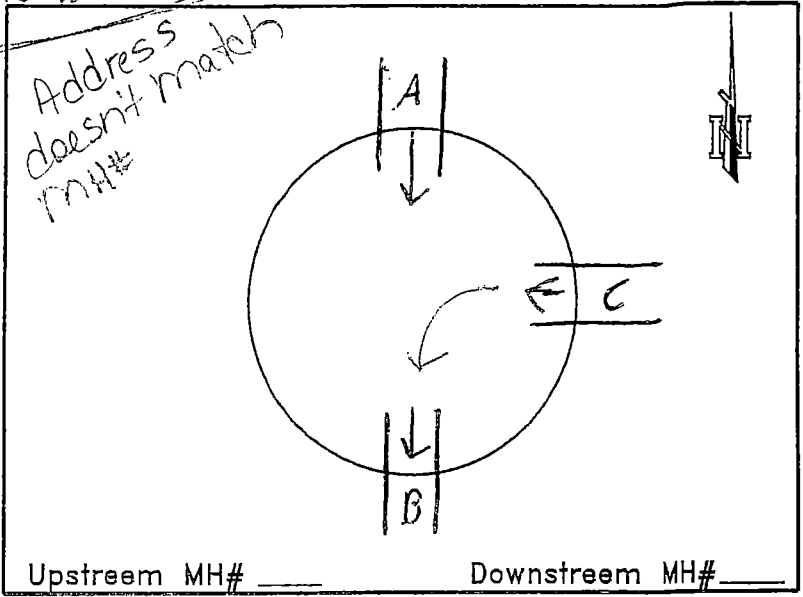
#990 Sect 1
Address doesn't match MH#

Basin: _____

MH No. 700 - Sect. 12

Date: 6/22/10 Time: _____

Inspector: Korey



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	_____ ft. Diameter
<input type="checkbox"/> Brick	_____ ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____

TYPE OF PROPERTY	
<input type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input checked="" type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other <u>ditch</u>	

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8"	TRUSS	4.9"	1			
B	8"	TRUSS	3.9	2			
C	8"	TRUSS	3.9	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION	
<input checked="" type="checkbox"/> Good	
<input type="checkbox"/> Fair	
<input type="checkbox"/> Poor	
<input type="checkbox"/> Debris in Flowline	
<input type="checkbox"/> Debris on Bench	
<input type="checkbox"/> Evidence of Surcharge	
<input type="checkbox"/> Evidence of Infiltration	
<input type="checkbox"/> Other _____	

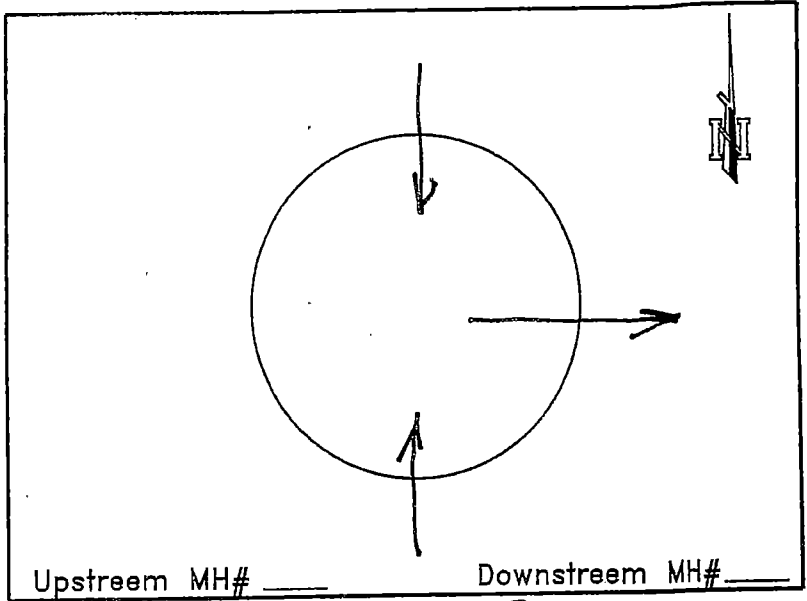
SOURCE OF LEAK	
<input type="checkbox"/> Main Line Pipe Penitrations	
<input type="checkbox"/> Service Penitrations	
<input type="checkbox"/> Manhole Joints	
<input type="checkbox"/> Cone Broken	
<input type="checkbox"/> Lid Broken	
<input type="checkbox"/> Lid Missing	
<input type="checkbox"/> Hole In Lid	
<input type="checkbox"/> Other _____	

REHABILITATION (in office)	
<input type="checkbox"/> Replace Manhole	
<input type="checkbox"/> Clean-out Manhole	
<input type="checkbox"/> Re-Build Bench	
<input type="checkbox"/> Replace Ring & Cover	
<input type="checkbox"/> Re-Grout Top Cone & Lid	
<input type="checkbox"/> Seal Inside of Manhole	
<input type="checkbox"/> Grout in Pipe Penetration	
<input type="checkbox"/> Other _____	

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION 12

Project: Mena Utilities SSES
 Location: DIRIDER & VIVIAN
SEC 12
 Basin: _____
 MH No. 703
 Date: 7.1.10 Time: _____
 Inspector: (Signature)



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter
 Brick 5 ft. Depth
 Fiberglass
 Other 24 Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

Truss or Clay?

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CLAY	5	1			
B	8		5	2			
C	8		5	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

17

Project: Mena Utilities SSES

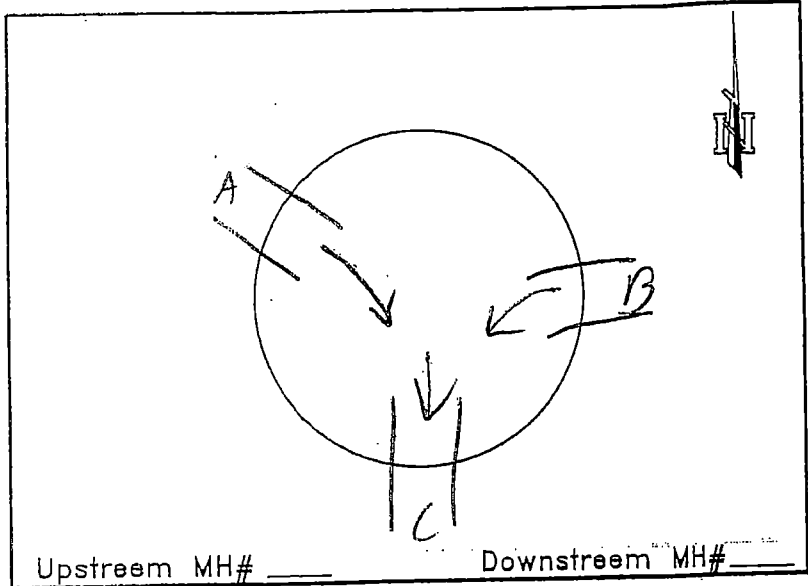
Location: _____

Basin: _____

MH No. 729

Date: 7/22/10 Time: _____

Inspector: Rodey



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>81</u>
<input type="checkbox"/> Fiberglass	<u>22</u> ft. Depth
<input type="checkbox"/> Other	<u>24</u> Lid Size

TYPE OF PROPERTY

<input type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input checked="" type="checkbox"/> Other <u>Site et</u>

COVER OVER MANHOLE

<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	TCSS		1			
B	10	TCSS		2			
C	10	TCSS		3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

<input checked="" type="checkbox"/> Good
<input type="checkbox"/> Fair
<input type="checkbox"/> Poor
<input type="checkbox"/> Debris in Flowline
<input type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surcharge
<input type="checkbox"/> Evidence of Infiltration
<input type="checkbox"/> Other _____

SOURCE OF LEAK

<input type="checkbox"/> Main Line Pipe Penetrations
<input type="checkbox"/> Service Penetrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole In Lid
<input type="checkbox"/> Other _____

REHABILITATION (in office)

<input type="checkbox"/> Replace Manhole
<input type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top Cone & Lid
<input type="checkbox"/> Seal Inside of Manhole
<input type="checkbox"/> Grout in Pipe Penetration
<input type="checkbox"/> Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

17

Project: Mena Utilities, SSES

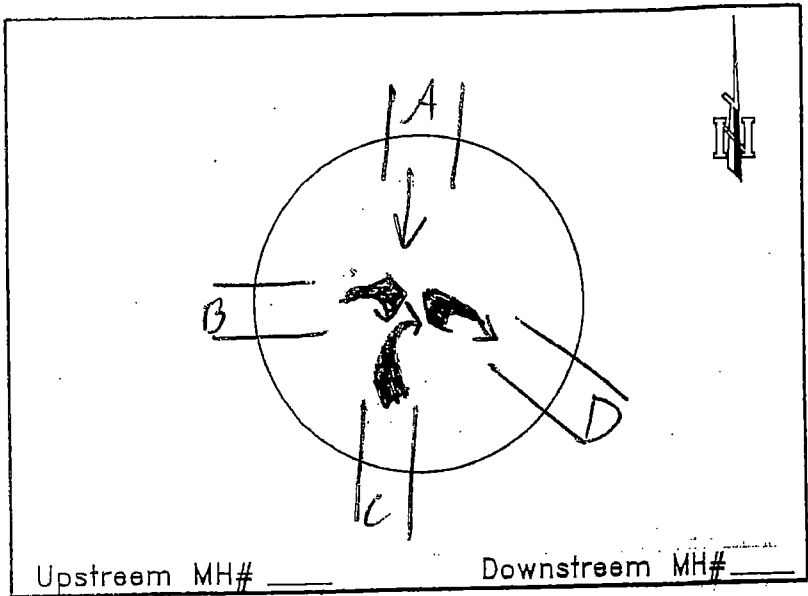
Location: _____

Basin: _____

MH No. 733

Date: _____ Time: _____

Inspector: _____



Upstream MH# _____

Downstream MH# _____

TYPE OF MH DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 6 ft. Depth
- Fiberglass
- Other 24 Lid Size

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other Street

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	TUSS		1			
B	8	PVC		2			
C	10	TUSS		3			
D	10	PVC		4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

- Conc.Pavement
- Asph.Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other _____

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

17

Project: Mena Utilities, SSES

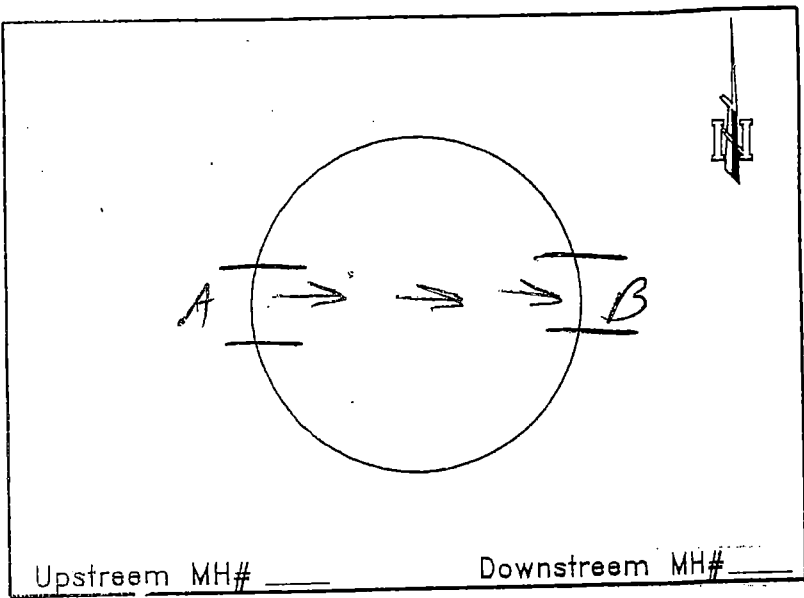
Location: _____

Basin: _____

MH No. 736

Date: 7/22/10 Time: _____

Inspector: Bodley



TYPE OF MH **DESCRIPTION**

Concrete _____ ft. Diameter

Brick 3 ft. Depth

Fiberglass

Other 24 Lid Size

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6"	CL	3'	1			
B	8"	TCSS	3'	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc.Pavement Sidewalk

Asph.Pavement Yard/Field

Gravel Woods

Other _____

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations

Service Penetrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

Grout in Pipe Penetration

Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

17

Project: Mena Utilities, SSES

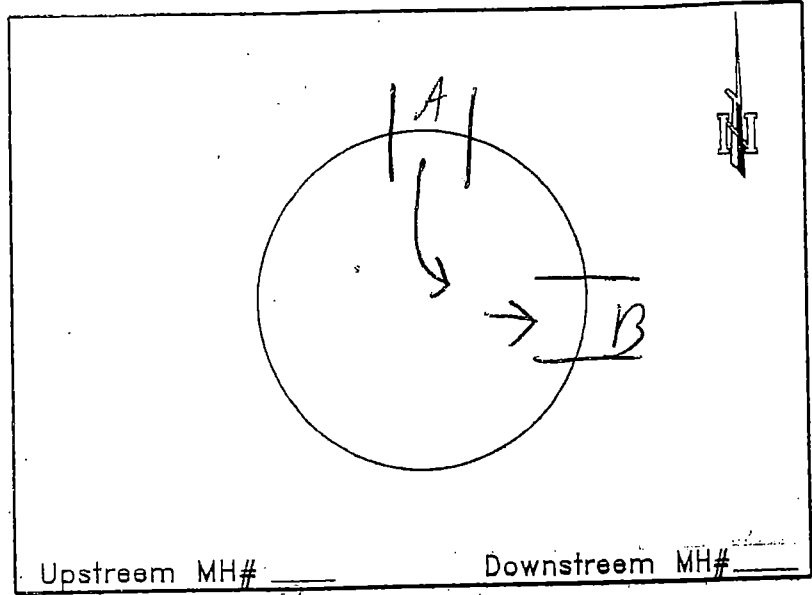
Location: _____

Basin: _____

MH No. 745

Date: 7/22/10 Time: _____

Inspector: Rodney



Upstream MH# _____ Downstream MH# _____

TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick
- Fiberglass 4 ft. Depth
- Other _____ Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

Doesn't match

data on D.B.

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asp. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	7033	4.5	1			
B	10	7033	4.5	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

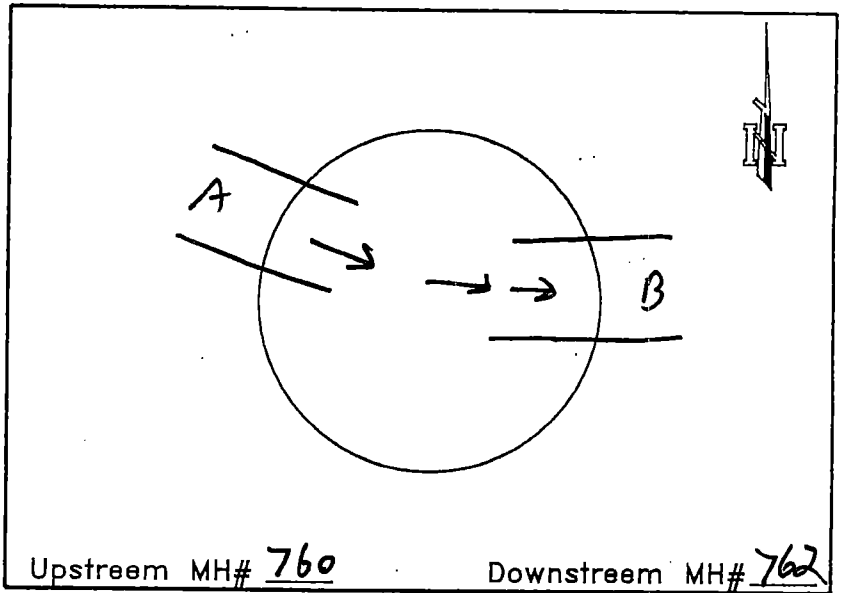
- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

17

Object: Mena Utilities SSES
 Location: Bite Away South of West Bullion
 Basin: 17
 MH No. 761
 Date: 2/24/11 Time: _____
 Inspector: Rodley



TYPE OF MH DESCRIPTION

- Concrete 6 ft. Diameter
- Brick
- Fiberglass 8 ft. Depth
- Other 24 Lid Size

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other Bite away

COVER OVER MANHOLE

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	12	C	8	1			
B	12	C	8	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole in Lid
- Other _____

REHABILITATION (in office)

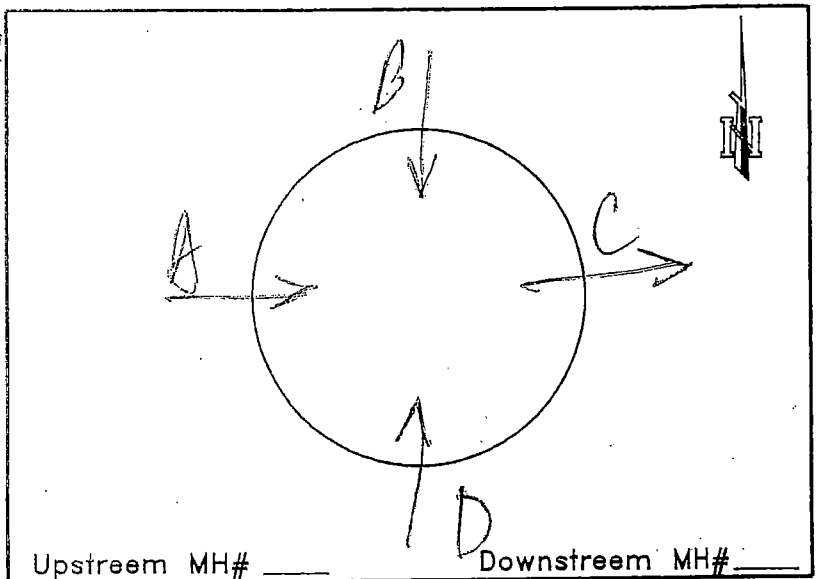
- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

16

Project: Mena Utilities SSES
 Location: RIDGE & BETHESDA
 Basin: _____
 MH No. 792
 Date: _____ Time: _____
 Inspector: [Signature]



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick 5.8 ft. Depth
- Fiberglass
- Other 235 Lid Size

Upstream MH# _____ Downstream MH# _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CON	5.8	1			
B				2			
C				3			
D		CLAY		4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other _____

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

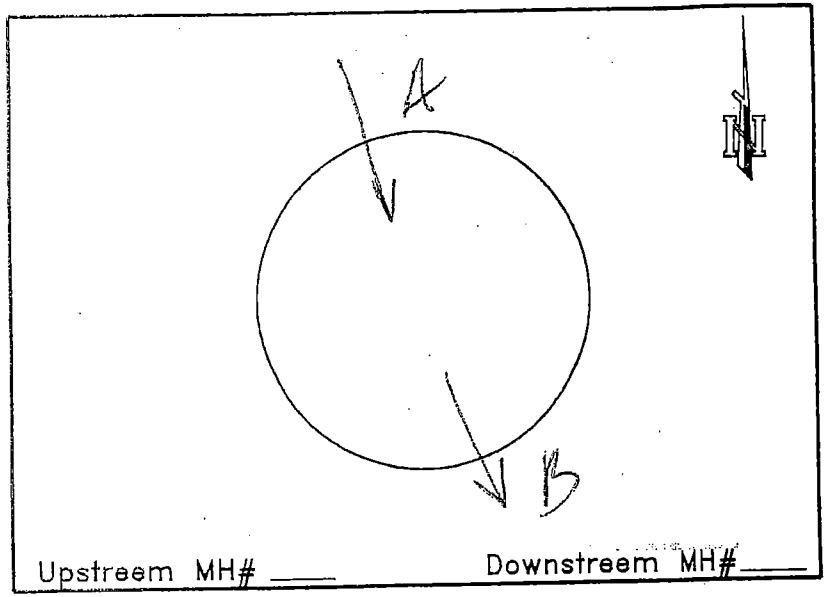
- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

16

Project: Mena Utilities SSES
 Location: LAKE SIDE
 Basin: _____
 MH No: 805
 Date: _____ Time: _____
 Inspector: _____



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter
 Brick 3 ft. Depth
 Fiberglass
 Other 24 Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods
 Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	IVSS	3'	1			
B	10	cast	3	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION 16

Project: Mena Utilities SSES

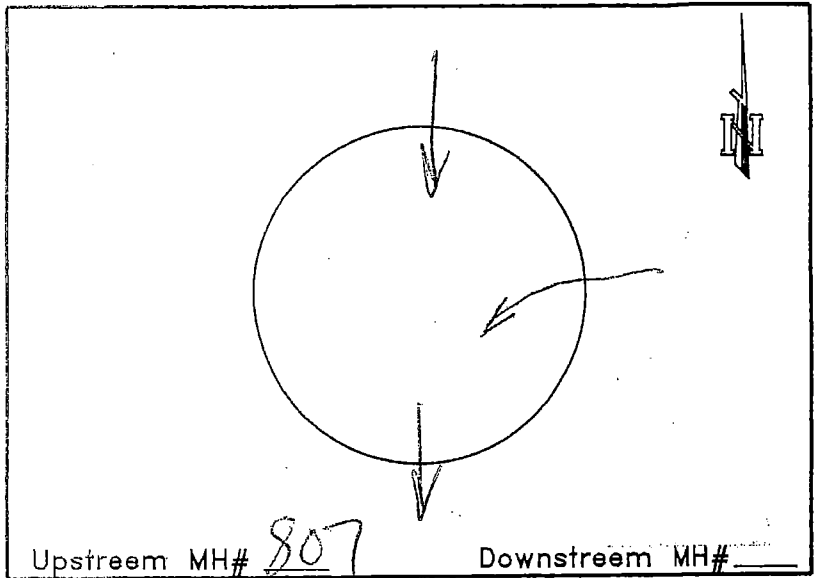
Location: 16

Basin: _____

MH No. 807

Date: _____ Time: _____

Inspector: (Signature)



TYPE OF MH DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 5 ft. Depth
- Fiberglass 23.5 Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	CAST	5	1			
B	1	1	5	2			
C	1	1	5	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

21

Project: Mena Utilities SSES

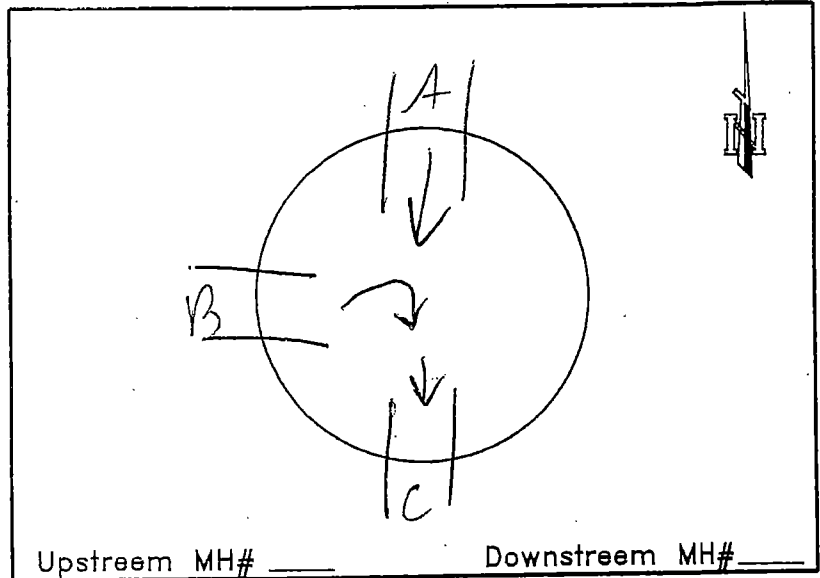
Location: _____

Basin: _____

MH No. 816

Date: 7/29/10 Time: _____

Inspector: Boody



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>6</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>23 1/2</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY

- | | |
|---|---------------------------------------|
| <input checked="" type="checkbox"/> Residence | <input type="checkbox"/> Trailer Park |
| <input type="checkbox"/> Business | <input type="checkbox"/> Vacant Lot |
| <input type="checkbox"/> Apartment | <input type="checkbox"/> Other _____ |

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	PVC	6.10	1			
B	10	PVC	6.10	2			
C	10	PVC	6.10	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

- | | |
|---|--|
| <input type="checkbox"/> Conc. Pavement | <input type="checkbox"/> Sidewalk |
| <input type="checkbox"/> Asph. Pavement | <input checked="" type="checkbox"/> Yard/Field |
| <input type="checkbox"/> Gravel | <input type="checkbox"/> Woods |

Other _____

MANHOLE CONDITION

- | |
|---|
| <input checked="" type="checkbox"/> Good |
| <input type="checkbox"/> Fair |
| <input type="checkbox"/> Poor |
| <input type="checkbox"/> Debris in Flowline |
| <input type="checkbox"/> Debris on Bench |
| <input type="checkbox"/> Evidence of Surcharge |
| <input type="checkbox"/> Evidence of Infiltration |
| <input type="checkbox"/> Other _____ |

SOURCE OF LEAK

- | |
|--|
| <input type="checkbox"/> Main Line Pipe Penetrations |
| <input type="checkbox"/> Service Penetrations |
| <input type="checkbox"/> Manhole Joints |
| <input type="checkbox"/> Cone Broken |
| <input type="checkbox"/> Lid Broken |
| <input type="checkbox"/> Lid Missing |
| <input type="checkbox"/> Hole In Lid |
| <input type="checkbox"/> Other _____ |

REHABILITATION (in office)

- | |
|--|
| <input type="checkbox"/> Replace Manhole |
| <input type="checkbox"/> Clean-out Manhole |
| <input type="checkbox"/> Re-Build Bench |
| <input type="checkbox"/> Replace Ring & Cover |
| <input type="checkbox"/> Re-Grout Top Cone & Lid |
| <input type="checkbox"/> Seal Inside of Manhole |
| <input type="checkbox"/> Grout in Pipe Penetration |
| <input type="checkbox"/> Other _____ |

ADDITIONAL COMMENTS

MANHOLE EVALUATION

16

Project: Mena Utilities SSES

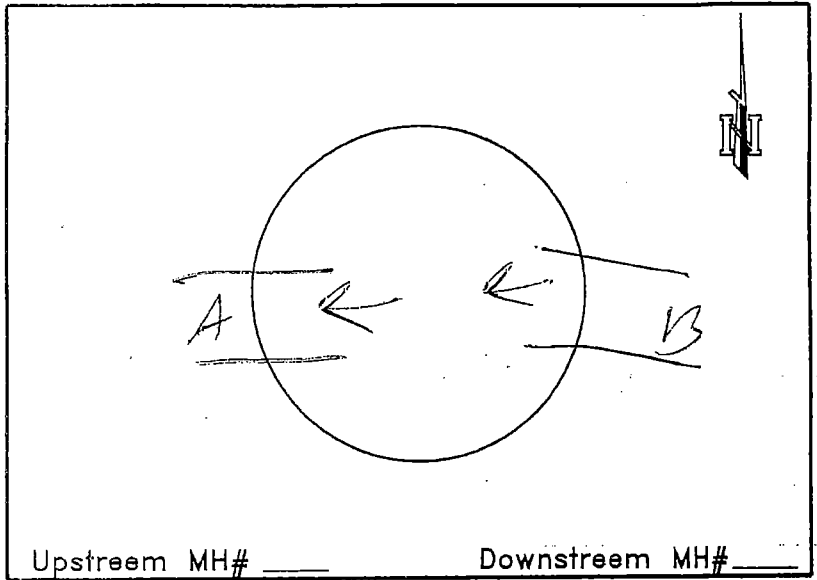
Location: _____

Basin: _____

MH No. 841

Date: _____ Time: _____

Inspector: _____



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter

Brick 7 ft. Depth

Fiberglass

Other 2.35 Lid Size

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other Street

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	PVC	7.10	1			
B	10	PVC	7.10	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc.Pavement Sidewalk

Asph.Pavement Yard/Field

Gravel Woods

Other _____

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations

Service Penitrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

Grout in Pipe Penetration

Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

16

Project: Mena Utilities SSES

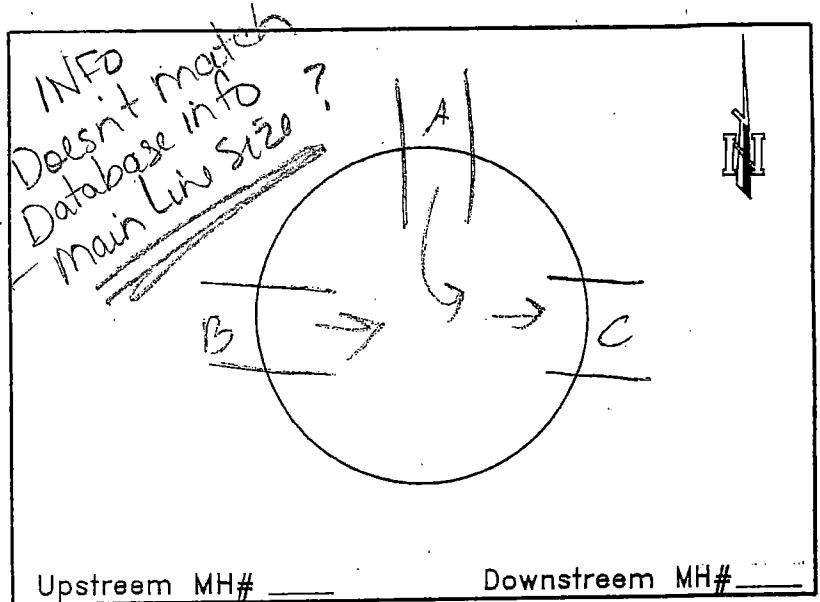
Location: _____

Basin: _____

MH No. 856

Date: 7/28/10 Time: _____

Inspector: Rodney



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick 4 ft. Depth
- Fiberglass
- Other 24" Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other Apartment

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other: _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	71655	4'	1			
B	12	71655	4'	2			
C	12	71655	4'	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other: _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other: _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other: _____

ADDITIONAL COMMENTS Lid passed

MANHOLE EVALUATION

15

Project: Mena Utilities SSES

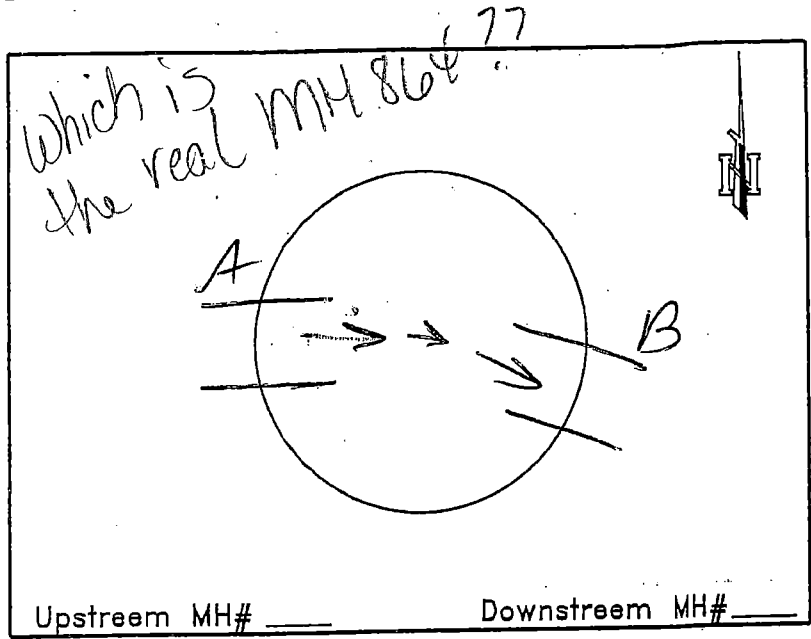
Location: _____

Basin: _____

MH No. 864

Date: 7/23/10 Time: _____

Inspector: Rodey



TYPE OF MH DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 4.2 ft. Depth
- Fiberglass
- Other 24 Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	TRUSS	4.2	1			
B	10	TRUSS	4.2	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

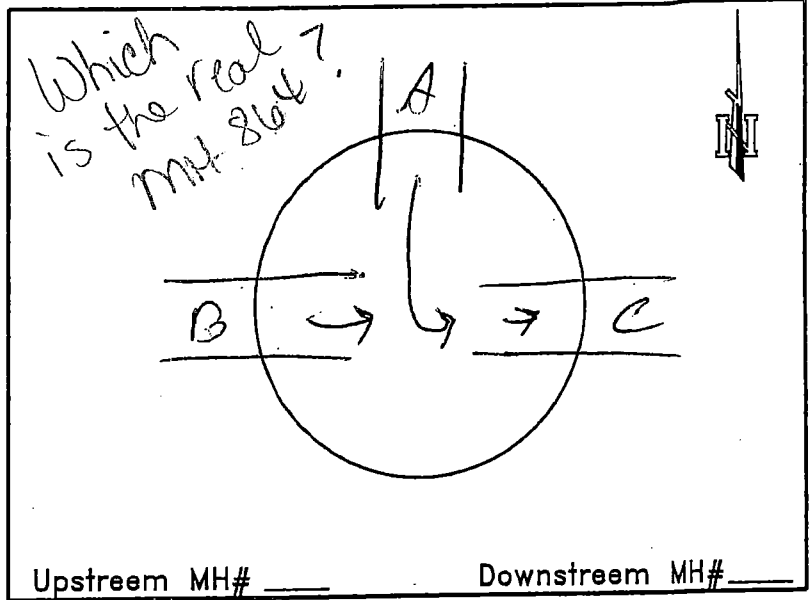
Location: _____

Basin: _____

MH No. 804

Date: 7/23/19 Time: _____

Inspector: Booley



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>80"</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>24</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY	
<input type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input checked="" type="checkbox"/> Other <u>Street</u>

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8"	PVC		1			
B	10	PLSS		2			
C	10	PLSS		3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

16

Project: Mena Utilities SSES

Location: THE OUT BACK BARN
BILDER OF T.S.

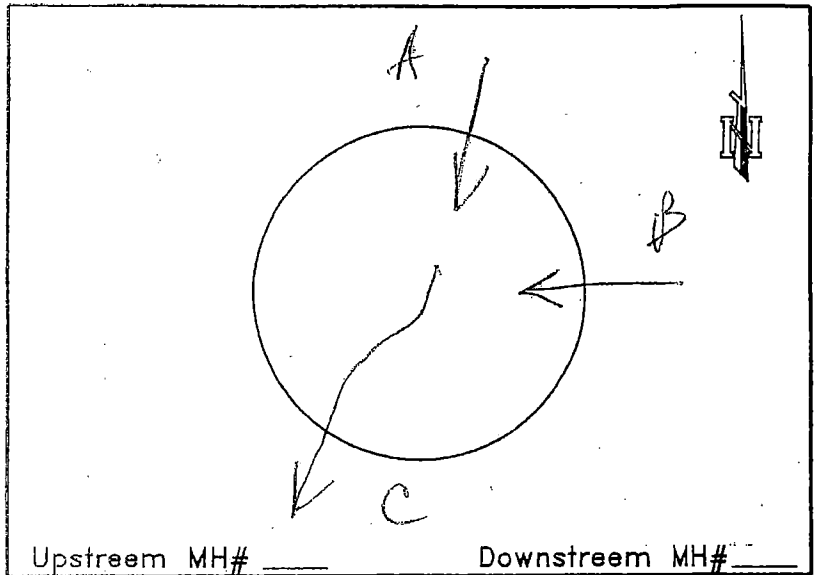
Basin: _____

MH No. 881

Date: _____

Time: _____

Inspector: BR



TYPE OF MH

DESCRIPTION

Concrete 4 ft. Diameter
Brick
Fiberglass 5.9 ft. Depth
Other 24 Lid Size

TYPE OF PROPERTY

Residence Trailer Park
Business Vacant Lot
Apartment Other _____

COVER OVER MANHOLE

Conc. Pavement Sidewalk
Asph. Pavement Yard/Field
Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	?	5.9	1			
B	16	PVC	1	2			
C	10	?	1	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
Fair
Poor
Debris in Flowline
Debris on Bench
Evidence of Surcharge
Evidence of Infiltration
Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
Service Penetrations
Manhole Joints
Cone Broken
Lid Broken
Lid Missing
Hole In Lid
Other _____

REHABILITATION (in office)

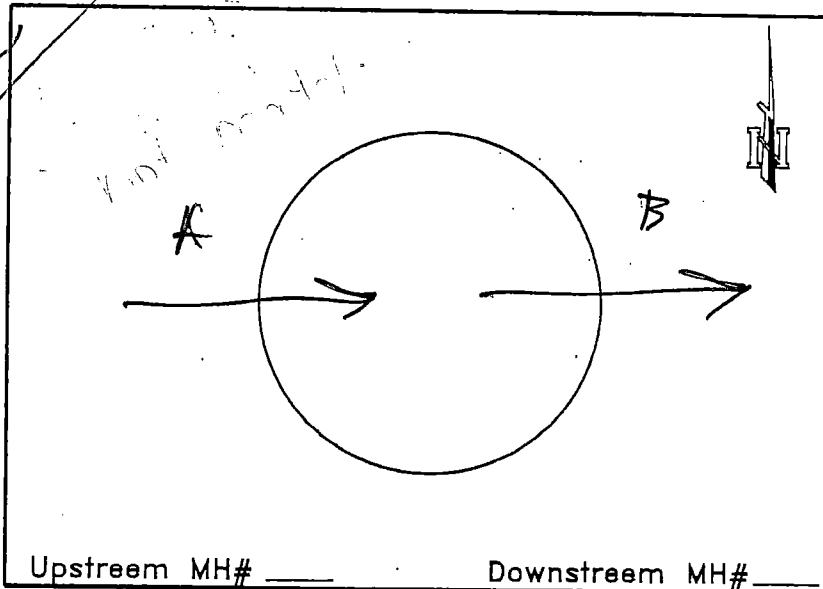
Replace Manhole
Clean-out Manhole
Re-Build Bench
Replace Ring & Cover
Re-Grout Top Cone & Lid
Seal Inside of Manhole
Grout in Pipe Penetration

Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: 1903 THALA -
 Basin: 10 Also
 MH No. ~~894~~ 895 - sect 16
 Date: 3-2 Time: _____
 Inspector: (Signature)



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter
 Brick 2.8 ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods
 Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	Tross	2.8	1			
B	10		2.8	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole in Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

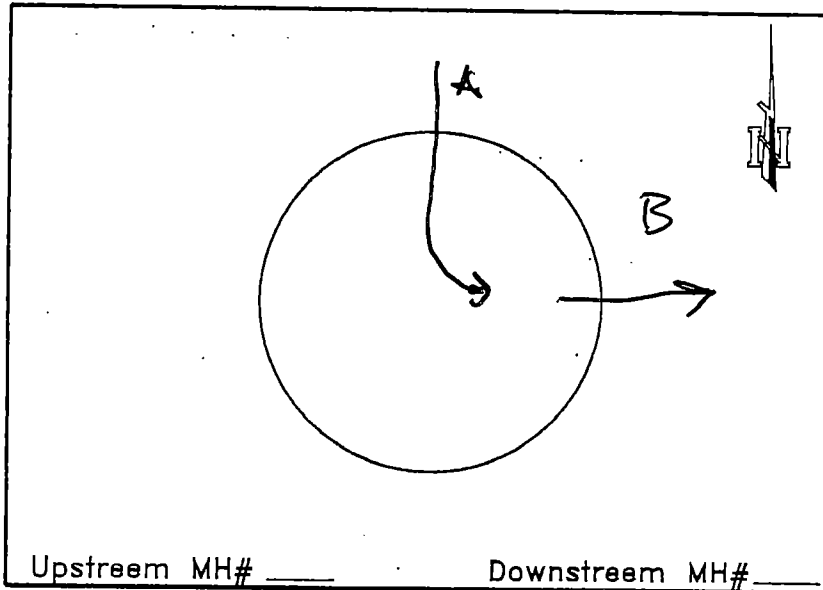
Location: 1401 EVE

Basin: 10

MH No. 897

Date: 3-2 Time: _____

Inspector: BB



TYPE OF MH

DESCRIPTION

- | | | |
|-------------------------------------|------------|-----------------------|
| <input checked="" type="checkbox"/> | Concrete | <u>4</u> ft. Diameter |
| <input type="checkbox"/> | Brick | <u>3.5</u> ft. Depth |
| <input type="checkbox"/> | Fiberglass | _____ Lid Size |
| <input type="checkbox"/> | Other | _____ |

TYPE OF PROPERTY

- | | | | |
|-------------------------------------|-----------|--------------------------|--------------|
| <input checked="" type="checkbox"/> | Residence | <input type="checkbox"/> | Trailer Park |
| <input type="checkbox"/> | Business | <input type="checkbox"/> | Vacant Lot |
| <input type="checkbox"/> | Apartment | <input type="checkbox"/> | Other _____ |

COVER OVER MANHOLE

- | | | | |
|--------------------------|----------------|-------------------------------------|-------------------|
| <input type="checkbox"/> | Conc. Pavement | <input type="checkbox"/> | Sidewalk |
| <input type="checkbox"/> | Asph. Pavement | <input checked="" type="checkbox"/> | <u>Yard</u> Field |
| <input type="checkbox"/> | Gravel | <input type="checkbox"/> | Woods |

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	Tuss	3.5	1			
B	8	1	1	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- | | |
|-------------------------------------|--------------------------|
| <input checked="" type="checkbox"/> | Good |
| <input type="checkbox"/> | Fair |
| <input type="checkbox"/> | Poor |
| <input type="checkbox"/> | Debris in Flowline |
| <input type="checkbox"/> | Debris on Bench |
| <input type="checkbox"/> | Evidence of Surcharge |
| <input type="checkbox"/> | Evidence of Infiltration |
| <input type="checkbox"/> | Other _____ |

SOURCE OF LEAK

- | | |
|--------------------------|-----------------------------|
| <input type="checkbox"/> | Main Line Pipe Penetrations |
| <input type="checkbox"/> | Service Penetrations |
| <input type="checkbox"/> | Manhole Joints |
| <input type="checkbox"/> | Cone Broken |
| <input type="checkbox"/> | Lid Broken |
| <input type="checkbox"/> | Lid Missing |
| <input type="checkbox"/> | Hole in Lid |
| <input type="checkbox"/> | Other _____ |

REHABILITATION (in office)

- | | |
|--------------------------|---------------------------|
| <input type="checkbox"/> | Replace Manhole |
| <input type="checkbox"/> | Clean-out Manhole |
| <input type="checkbox"/> | Re-Build Bench |
| <input type="checkbox"/> | Replace Ring & Cover |
| <input type="checkbox"/> | Re-Grout Top Cone & Lid |
| <input type="checkbox"/> | Seal Inside of Manhole |
| <input type="checkbox"/> | Grout in Pipe Penetration |
| <input type="checkbox"/> | Other _____ |

ADDITIONAL COMMENTS

MANHOLE EVALUATION

10

Project: Mena Utilities SSES

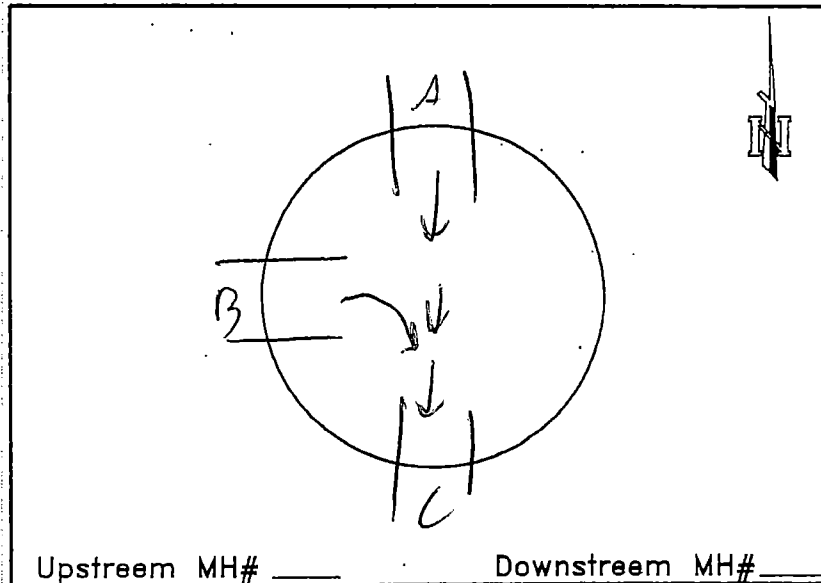
Location: POIK & Reeves

Basin: 10

MH No. 935

Date: 3/1/11 Time: _____

Inspector: Bodey



Upstream MH# _____ Downstream MH# _____

TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>12</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>24</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY	
<input type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input checked="" type="checkbox"/> Other <u>STREET</u>

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	TUSS	8	1			
B	8	TUSS	12	2			
C	10	TUSS	12	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION
<input checked="" type="checkbox"/> Good
<input type="checkbox"/> Fair
<input type="checkbox"/> Poor
<input type="checkbox"/> Debris in Flowline
<input type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surcharge
<input type="checkbox"/> Evidence of Infiltration
<input type="checkbox"/> Other _____

SOURCE OF LEAK
<input type="checkbox"/> Main Line Pipe Penetrations
<input type="checkbox"/> Service Penetrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole in Lid
<input type="checkbox"/> Other _____

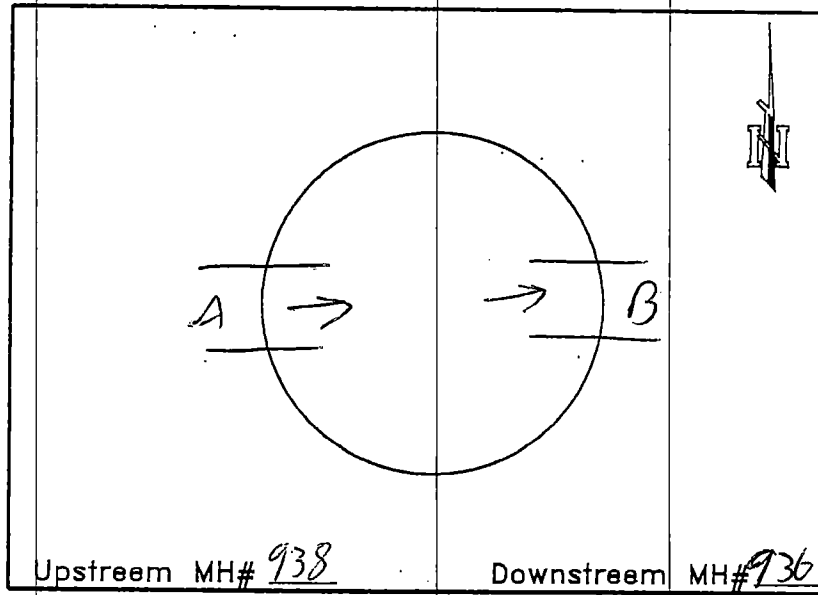
REHABILITATION (in office)
<input type="checkbox"/> Replace Manhole
<input type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top Cone & Lid
<input type="checkbox"/> Seal Inside of Manhole
<input type="checkbox"/> Grout in Pipe Penetration
<input type="checkbox"/> Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

10

Project: Mena Utilities SSES
 Location: Between polk & Eve on Beeves
 Basin: 10
 MH No. 937
 Date: 3/1/11 Time: _____
 Inspector: Boyle



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter
 Brick 7 ft. Depth
 Fiberglass
 Other 23 Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other Street

COVER OVER MANHOLE

Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods
 Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CL	7	1			
B	8	CL	7	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole in Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

10

Project: Mena Utilities SSES

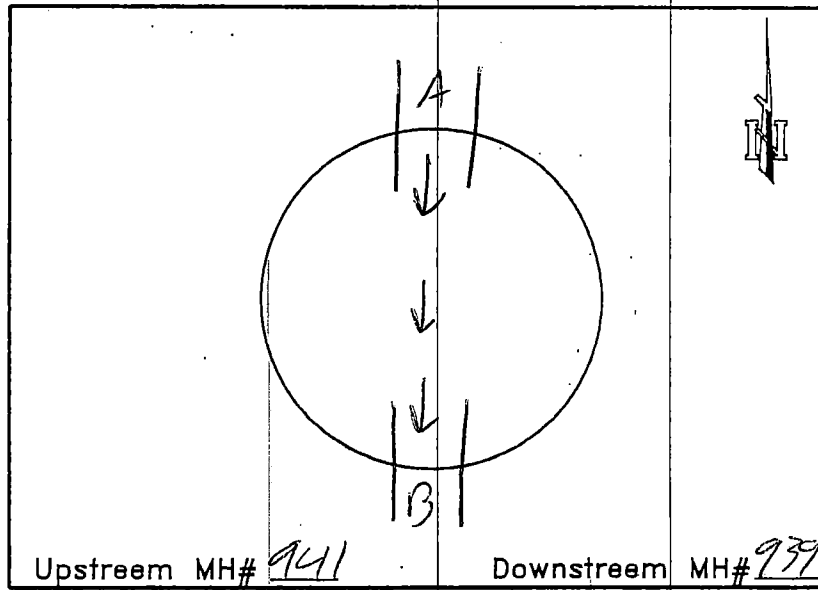
Location: Miller & Eve

Basin: 10

MH No. 940

Date: 3/11/11 Time: _____

Inspector: Bodey



Upstream MH# 941

Downstream MH# 939

TYPE OF MH DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 8 ft. Depth
- Fiberglass
- Other 24 Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other Streets

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	C	8	1			
B	8	C	8	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole in Lid
- Other _____

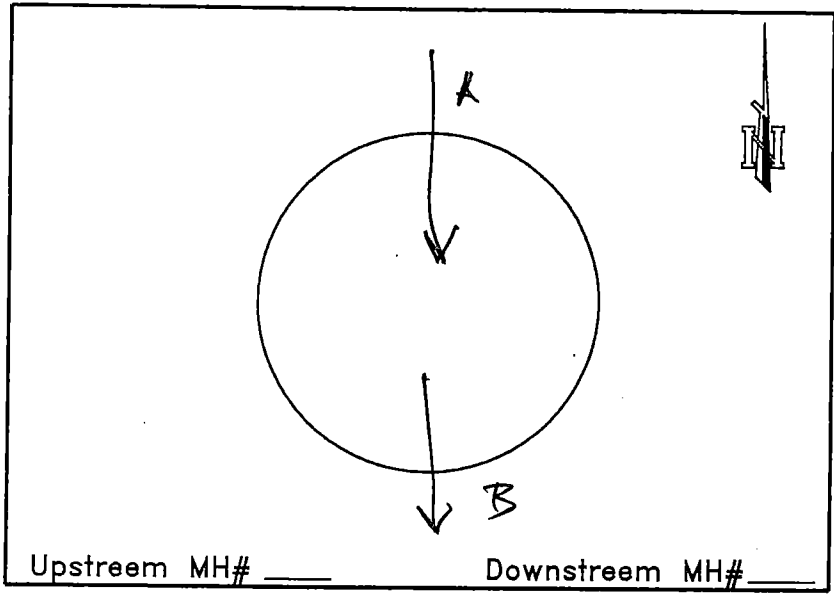
REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: 700 S. EVE
 Basin: 5
 MH No. 941
 Date: 2-23 Time: _____
 Inspector: (BTD)



TYPE OF MH **DESCRIPTION**
 Concrete _____ ft. Diameter
 Brick 5.8 ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY
 Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CON	5.8	1			
B	8			2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE
 Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods
 Other _____

MANHOLE CONDITION
 Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK
 Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

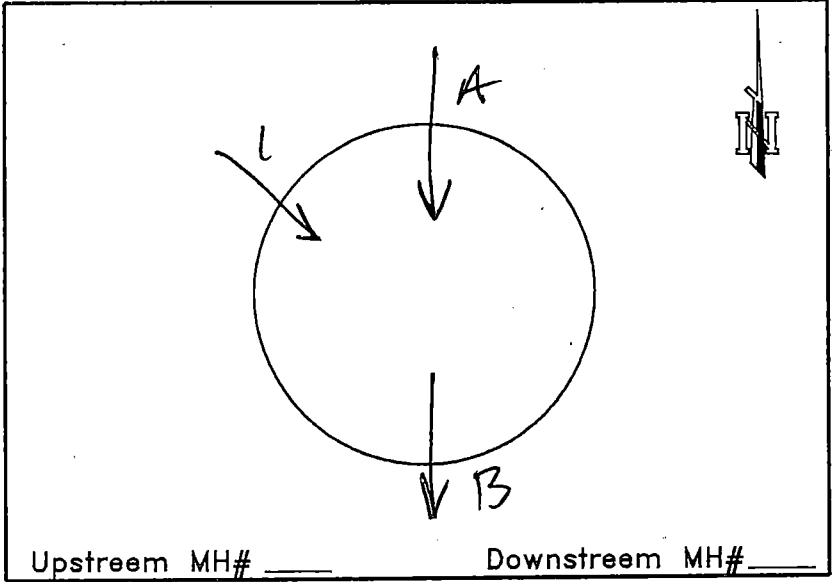
REHABILITATION (in office)
 Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: EVE & CHURCH.

Basin: 5
 MH No. 942
 Date: 2-23 Time: _____
 Inspector: (BR)



TYPE OF MH **DESCRIPTION**

Concrete _____ ft. Diameter
 Brick _____ ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CON.	5.3	1	4	BRG. Berg	2.7
B	1	1	5.3	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods

Other _____

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

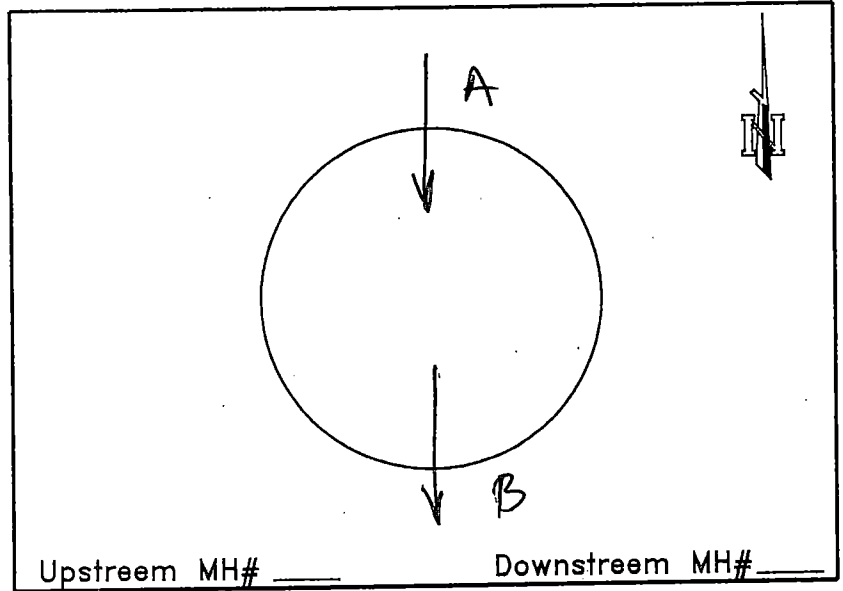
Location: SMITH & EVE

Basin: 5

MH No. 943

Date: 2-23 Time: _____

Inspector: (BR)



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick 6.0 ft. Depth
- Fiberglass _____ Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	con	6.0	1			
B	1	1	1	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

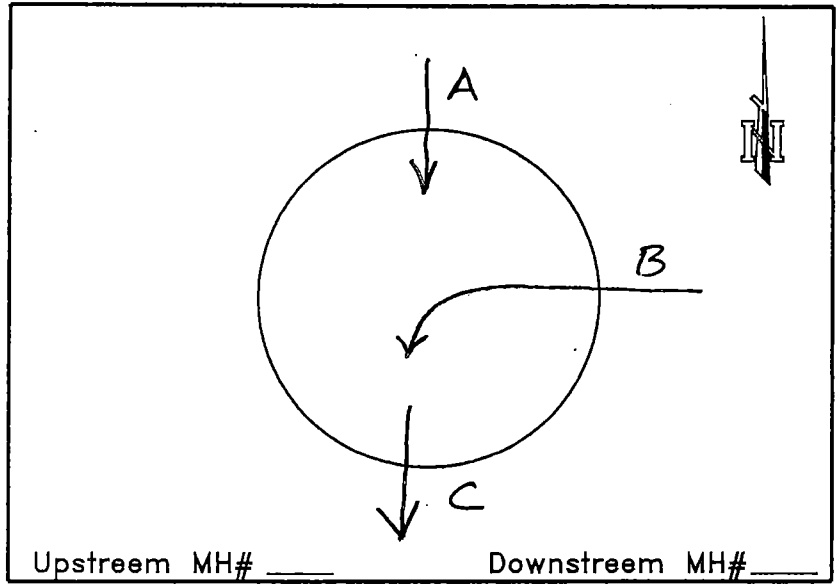
REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Subject: Mena Utilities SSES
 Location: S. EVE & CARTER
 Basin: 5
 MH No. 944
 Date: 2-22 Time: _____
 Inspector: (BB)



TYPE OF MH **DESCRIPTION**
 Concrete _____ ft. Diameter
 Brick _____ ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY
 Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE
 Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods
 Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CLAY	6.5	1			
B	8	CON	6.9	2			
C	8		6.9	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION
 Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK
 Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)
 Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

10

Project: Mena Utilities SSES

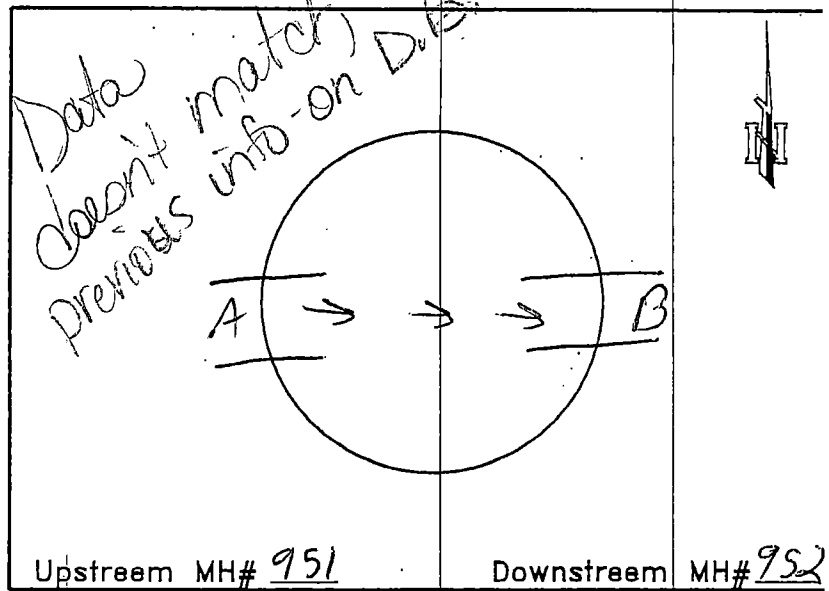
Location: 1808 Miller

Basin: 10

MH No. 950

Date: 3/1/11 Time: _____

Inspector: Boley



TYPE OF MH DESCRIPTION

Concrete 4 ft. Diameter

Brick 4 ft. Depth

Fiberglass 23 1/2 Lid Size

Other _____

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other Street

COVER OVER MANHOLE

Conc. Pavement Sidewalk

Asph. Pavement Yard/Field

Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	4	1			
B	6	PVC	4	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations

Service Penetrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole in Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

Grout in Pipe Penetration

Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

10

Project: Mena Utilities SSES

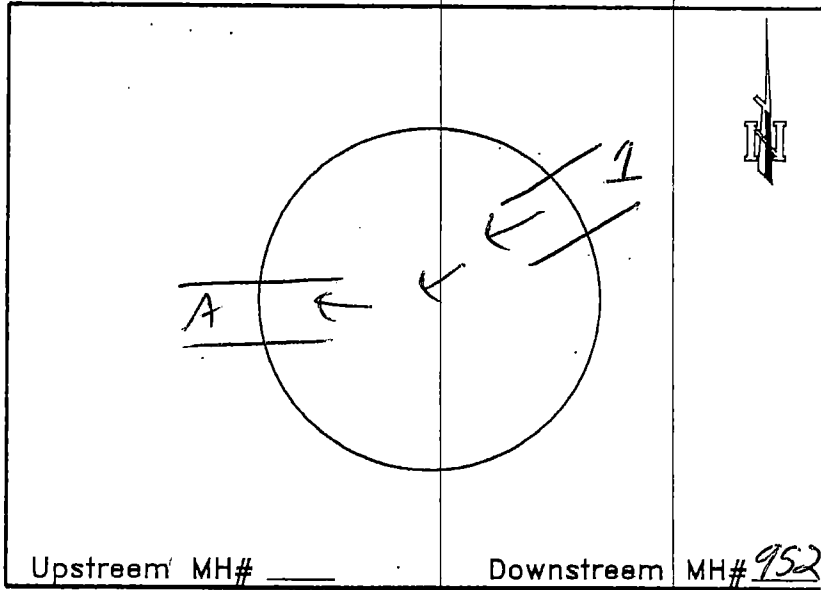
Location: 1706 Miller

Basin: 10

MH No. 953

Date: 3/1/11 Time: _____

Inspector: Boddy



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>3 1/2</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>24</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY	
<input type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input checked="" type="checkbox"/> Other <u>Street</u>

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	3 1/2	1	6	PVC	3
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION	
<input checked="" type="checkbox"/> Good	
<input type="checkbox"/> Fair	
<input type="checkbox"/> Poor	
<input type="checkbox"/> Debris in Flowline	
<input type="checkbox"/> Debris on Bench	
<input type="checkbox"/> Evidence of Surcharge	
<input type="checkbox"/> Evidence of Infiltration	
<input type="checkbox"/> Other _____	

SOURCE OF LEAK	
<input type="checkbox"/> Main Line Pipe Penetrations	
<input type="checkbox"/> Service Penetrations	
<input type="checkbox"/> Manhole Joints	
<input type="checkbox"/> Cone Broken	
<input type="checkbox"/> Lid Broken	
<input type="checkbox"/> Lid Missing	
<input type="checkbox"/> Hole in Lid	
<input type="checkbox"/> Other _____	

REHABILITATION (in office)	
<input type="checkbox"/> Replace Manhole	
<input type="checkbox"/> Clean-out Manhole	
<input type="checkbox"/> Re-Build Bench	
<input type="checkbox"/> Replace Ring & Cover	
<input type="checkbox"/> Re-Grout Top Cone & Lid	
<input type="checkbox"/> Seal Inside of Manhole	
<input type="checkbox"/> Grout in Pipe Penetration	
<input type="checkbox"/> Other _____	

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

1

Project: Mena Utilities SSES

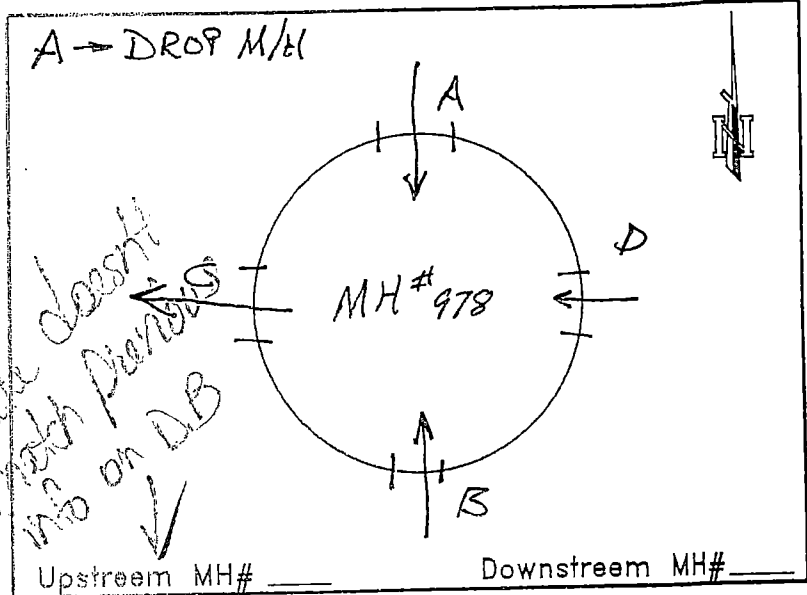
Location: POLK & MISSOURI

Basin: _____

MH No. 978

Date: 6-30-10 Time: _____

Inspector: BB



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>9.4</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>24</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A		TRUST	9.4	1			
B		TRUST	6.0	2			
C		PVC	9.4	3			
D	P	PVC	9.4	4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION	
<input checked="" type="checkbox"/> Good	
<input type="checkbox"/> Fair	
<input type="checkbox"/> Poor	
<input type="checkbox"/> Debris in Flowline	
<input type="checkbox"/> Debris on Bench	
<input type="checkbox"/> Evidence of Surchage	
<input type="checkbox"/> Evidence of Infiltration	
<input type="checkbox"/> Other _____	

SOURCE OF LEAK	
<input type="checkbox"/> Main Line Pipe Penitrations	
<input type="checkbox"/> Service Penitrations	
<input type="checkbox"/> Manhole Joints	
<input type="checkbox"/> Cone Broken	
<input type="checkbox"/> Lid Broken	
<input type="checkbox"/> Lid Missing	
<input type="checkbox"/> Hole In Lid	
<input type="checkbox"/> Other _____	

REHABILITATION (in office)	
<input type="checkbox"/> Replace Manhole	
<input type="checkbox"/> Clean-out Manhole	
<input type="checkbox"/> Re-Build Bench	
<input type="checkbox"/> Replace Ring & Cover	
<input type="checkbox"/> Re-Grout Top Cone & Lid	
<input type="checkbox"/> Seal Inside of Manhole	
<input type="checkbox"/> Grout in Pipe Penetration	
<input type="checkbox"/> Other _____	

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION #1

Project: Mena Utilities SSES

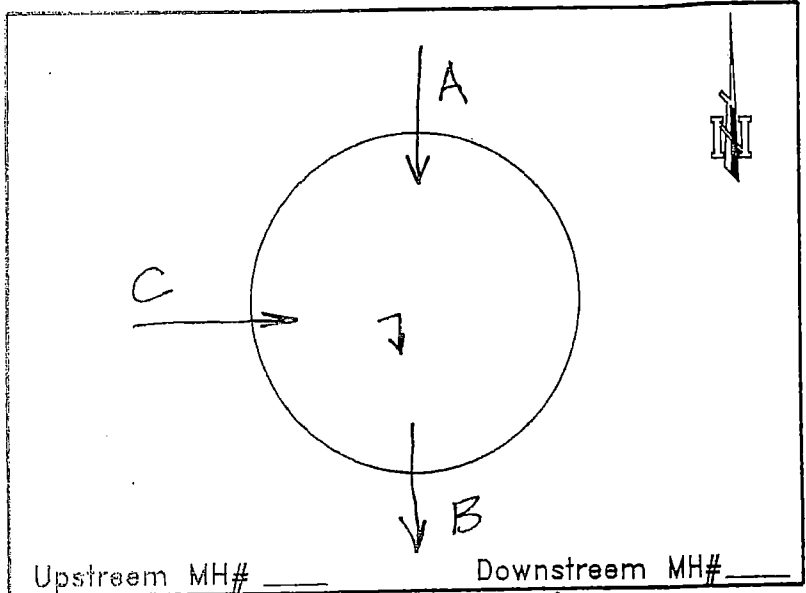
Location: POLK & WERTS

Basin: _____

MH No: 982

Date: 6-30-10 Time: _____

Inspector: BR



TYPE OF MH DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 6 ft. Depth
- Fiberglass
- Other 23.5 Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other _____

All PVC or Clay + PVC?

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	CLAY	6	1			
B	6	CLAY	6	2			
C	6	PVC	6	3			
D				4			

PVC--Plastic, CI--Cast Iron, CL--Clay, DI--Ductile, C--Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

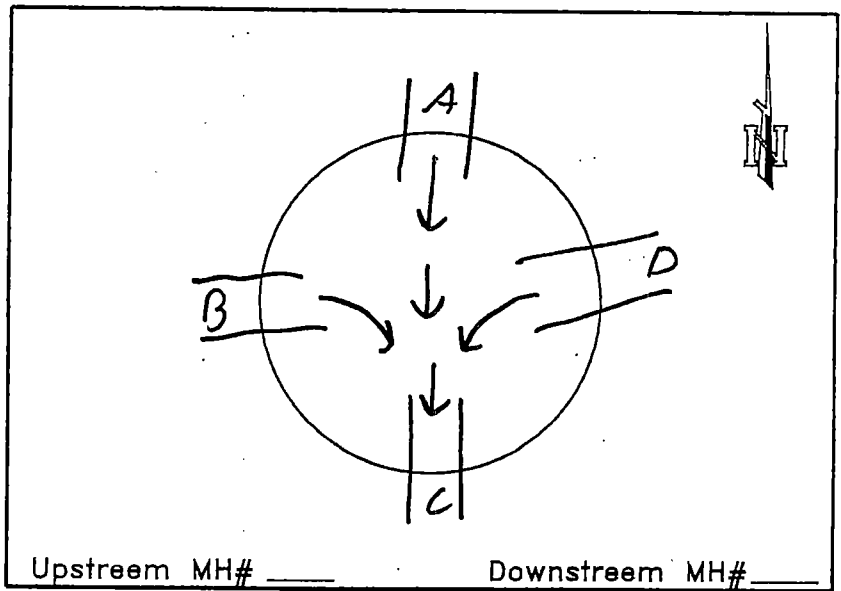
Location: LOCUST & ANDREWS

Basin: 1

MH No. 992

Date: 2/23/11 Time: _____

Inspector: Rodney



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick _____ ft. Depth
- Fiberglass _____ Lid Size
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other Asphalt

COVER OVER MANHOLE

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	PVC	13	1			
B	6	PVC	13	2			
C	8	TISS	13	3			
D	8	TISS	13	4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

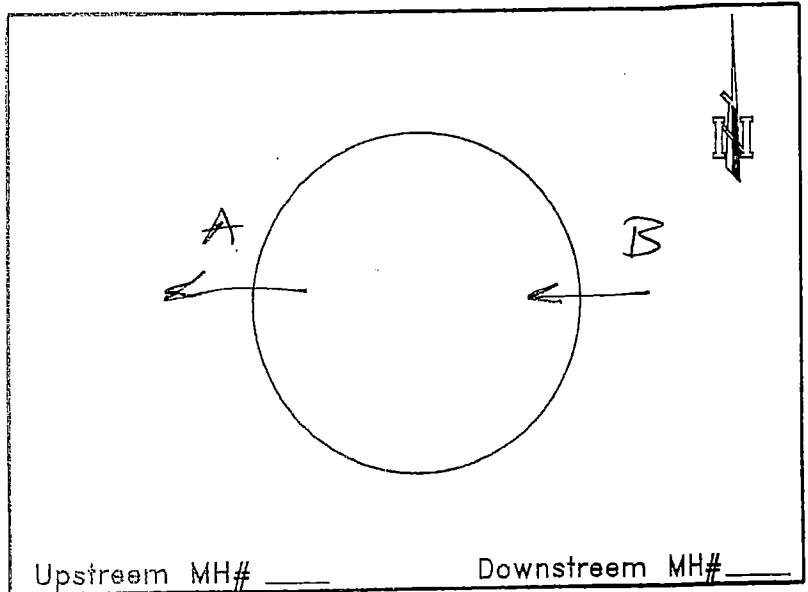
- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

Manhole Rehab complete 8/12/10

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: BETWEEN LOCUST & EVE
 Basin: _____
 MH No. 994
 Date: 6-30-10 Time: _____
 Inspector: BB



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter
 Brick 6 ft. Depth
 Fiberglass
 Other 23 1/4 Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	TRUST	6	1			
B	8	TRUST	6	2			
C				3			
D				4			

PVC--Plastic, CI--Cast Iron, CL--Clay, DI--Ductile, C--Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

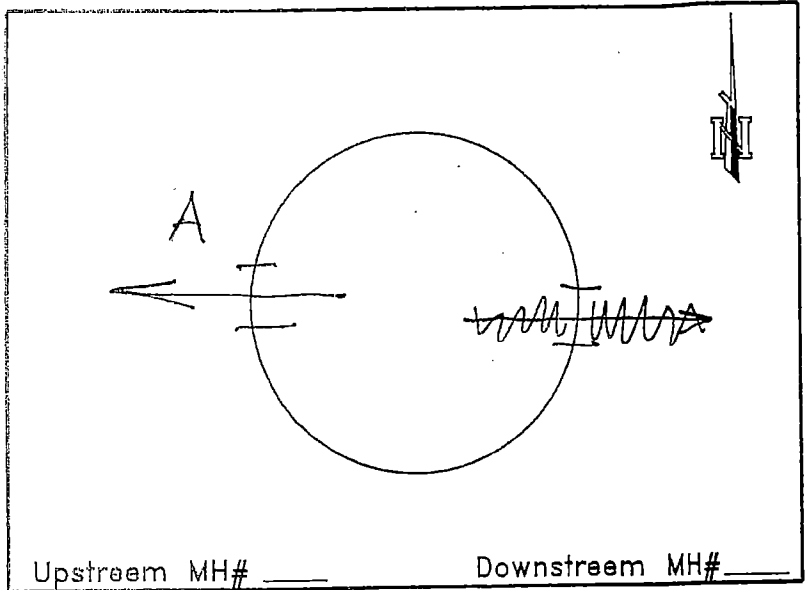
REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: EDWARD & ANDRYS
 Basin: _____
 MH No: 999
 Date: 6-30-10 Time: _____
 Inspector: BR



TYPE OF MH DESCRIPTION

Concrete 4 ft. Diameter
 Brick 55 ft. Depth
 Fiberglass
 Other 24 Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	55	1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

15

Project: Mena Utilities SSES

Location: _____

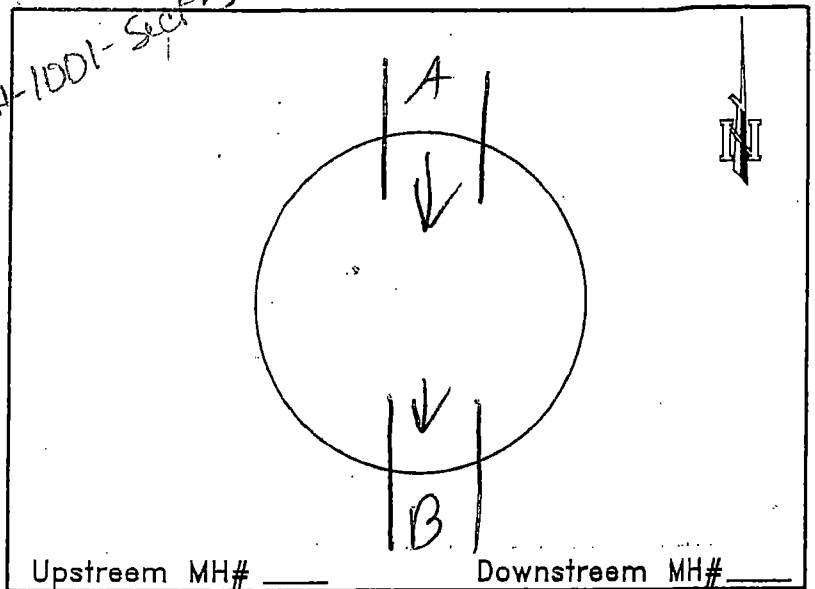
Basin: _____

MH No. 1001

Date: 7/23/10 Time: _____

Inspector: Bodley

MN-1001-sec 5



Upstream MH# _____

Downstream MH# _____

TYPE OF MH

DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 4.2 ft. Depth
- Fiberglass
- Other 24 Lid Size

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other Sites
Cityway

COVER OVER MANHOLE

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other Asph

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	A	PVC	4.2	1			
B	B	PVC	4.2	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

Not added to DB.

MANHOLE EVALUATION #5

Project: Mena Utilities SSES

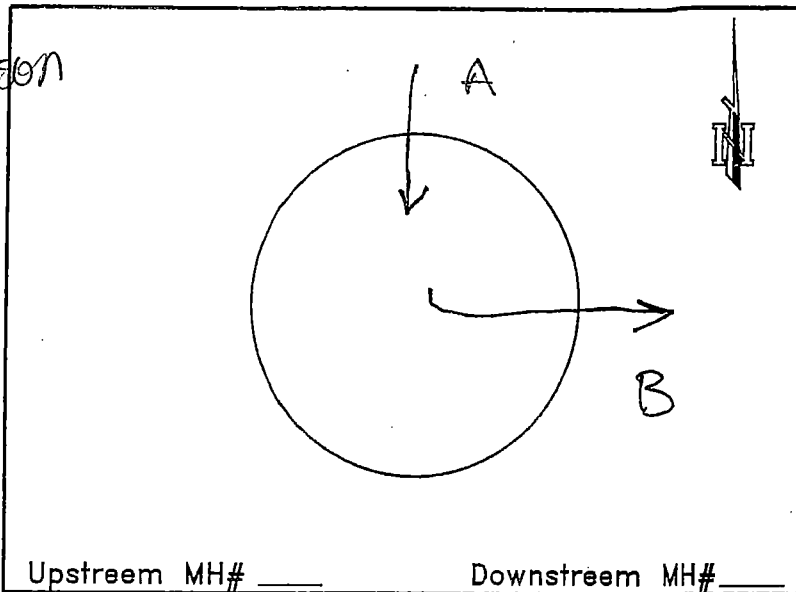
Location: 308 SIMPSON Simpson
Sheet # 5

Basin: _____

MH No. 1003

Date: 6-30-10 Time: _____

Inspector: BR



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>48</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>24</u> Lid Size
<input type="checkbox"/> Other	_____

TYPE OF PROPERTY

<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE

<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input type="checkbox"/> Asph. Pavement	<input checked="" type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	Trust	48"	1			
B	8	Trust	48"	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

<input checked="" type="checkbox"/> Good
<input type="checkbox"/> Fair
<input type="checkbox"/> Poor
<input type="checkbox"/> Debris in Flowline
<input type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surcharge
<input type="checkbox"/> Evidence of Infiltration
<input type="checkbox"/> Other _____

SOURCE OF LEAK

<input type="checkbox"/> Main Line Pipe Penetrations
<input type="checkbox"/> Service Penetrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole In Lid
<input type="checkbox"/> Other _____

REHABILITATION (in office)

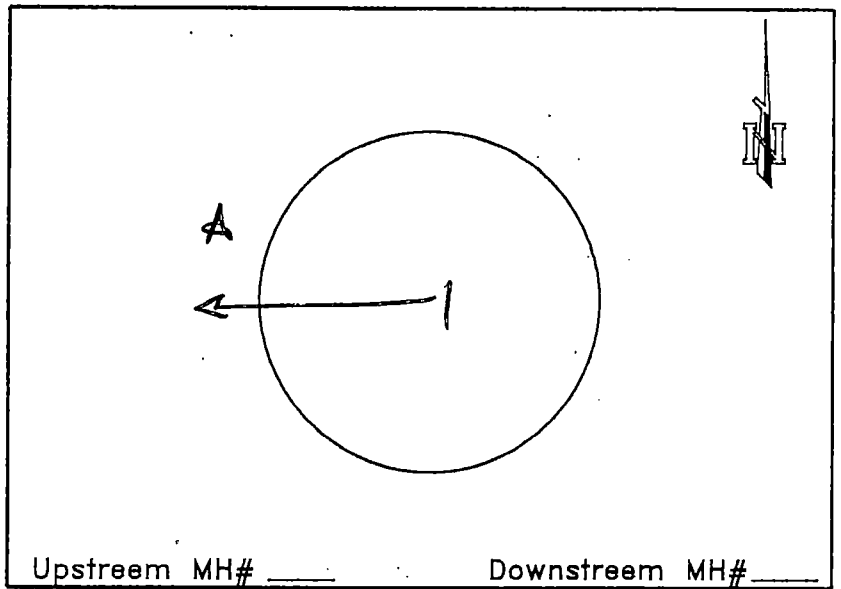
<input type="checkbox"/> Replace Manhole
<input type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top Cone & Lid
<input type="checkbox"/> Seal Inside of Manhole
<input type="checkbox"/> Grout in Pipe Penetration
<input type="checkbox"/> Other _____

ADDITIONAL COMMENTS _____

Added to D.B.

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: 2305 SOUTHERLAND.
 Basin: 5
 MH No. 1011
 Date: 2-28 Time: _____
 Inspector: _____



TYPE OF MH DESCRIPTION

Concrete _____ ft. Diameter
 Brick 5 ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	5	1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole in Lid
 Other _____

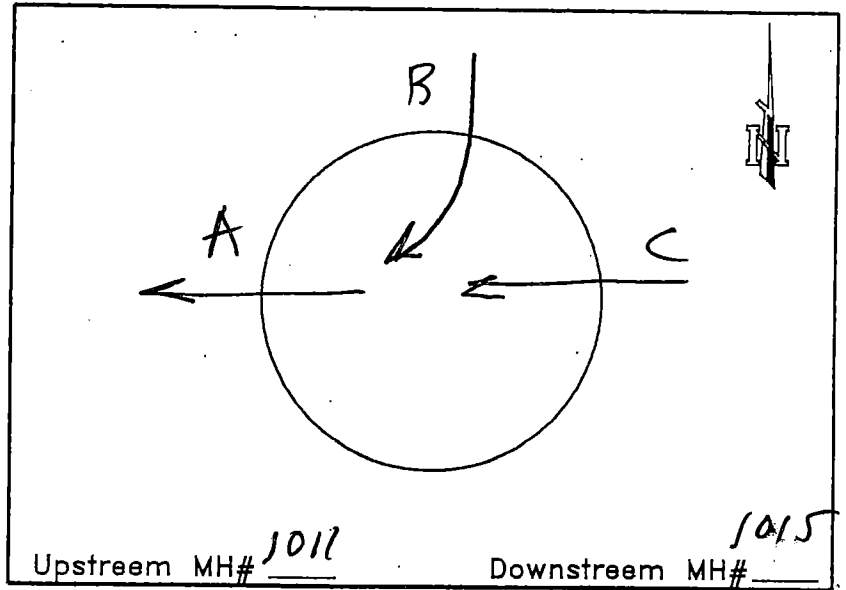
REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: GARY DRIVE & SOUTHERLAND.
 Basin: 5
 MH No. 1014 1012
 Date: 2-28 Time: _____
 Inspector: (Signature)



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter
 Brick
 Fiberglass 6.5 ft. Depth
 Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	Tross	6.5	1			
B	10			2			
C	8			3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout In Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

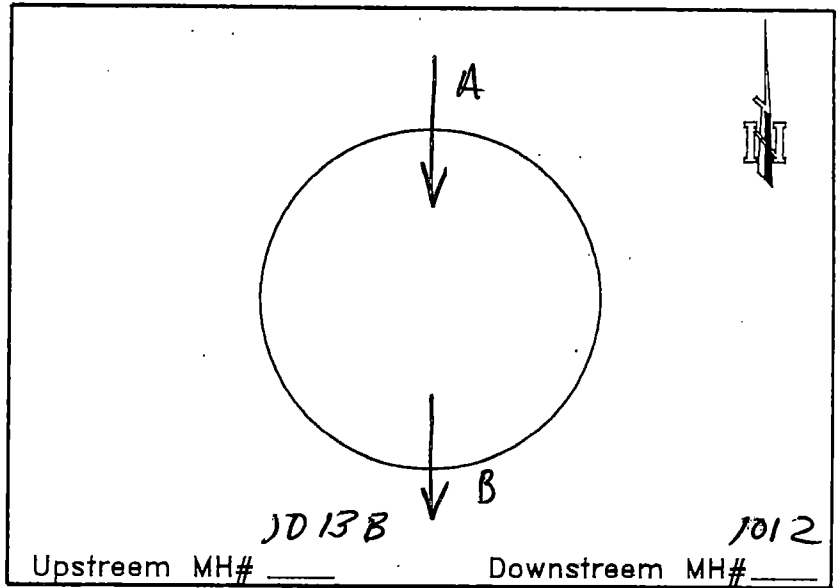
Location: GARY DRIVE.

Basin: 5

MH No. 1013

Date: 2-28 Time: _____

Inspector: (BA)



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick 4 ft. Depth
- Fiberglass
- Other _____ Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	Tross	4.0	1			
B	1	1	1	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

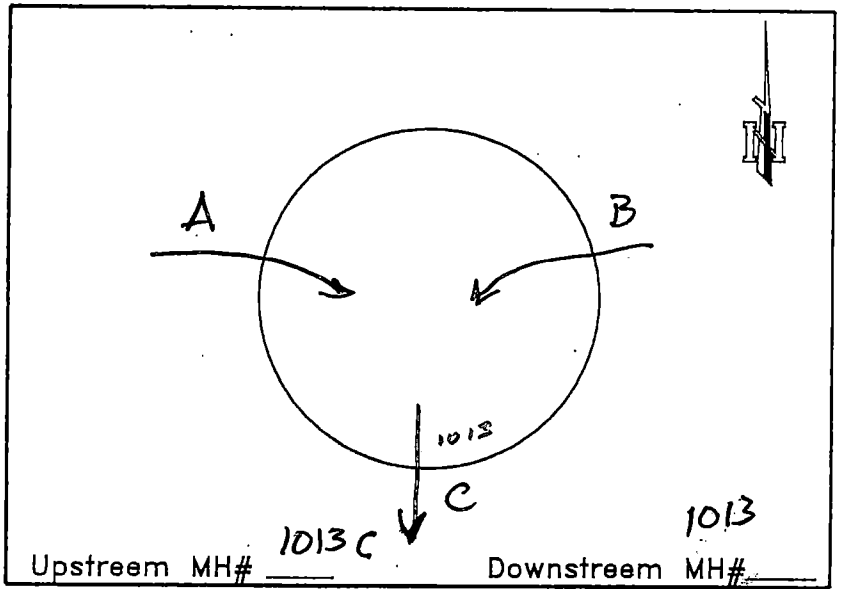
Location: 307 GARY DR.

Basin: 5

MH No. 1013 B

Date: 2-28 Time: _____

Inspector: _____



TYPE OF MH

DESCRIPTION

- | | | |
|-------------------------------------|------------|-----------------------|
| <input checked="" type="checkbox"/> | Concrete | <u>4</u> ft. Diameter |
| <input type="checkbox"/> | Brick | |
| <input type="checkbox"/> | Fiberglass | <u>5.4</u> ft. Depth |
| <input type="checkbox"/> | Other | ____ Lid Size |

TYPE OF PROPERTY

- | | | | |
|-------------------------------------|-----------|--------------------------|--------------|
| <input checked="" type="checkbox"/> | Residence | <input type="checkbox"/> | Trailer Park |
| <input type="checkbox"/> | Business | <input type="checkbox"/> | Vacant Lot |
| <input type="checkbox"/> | Apartment | <input type="checkbox"/> | Other _____ |

COVER OVER MANHOLE

- | | | | |
|-------------------------------------|----------------|--------------------------|------------|
| <input type="checkbox"/> | Conc. Pavement | <input type="checkbox"/> | Sidewalk |
| <input checked="" type="checkbox"/> | Asph. Pavement | <input type="checkbox"/> | Yard/Field |
| <input type="checkbox"/> | Gravel | <input type="checkbox"/> | Woods |

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	PVC	5.4	1			
B	1	1	5.4	2			
C	1	1	5.4	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- | | |
|-------------------------------------|--------------------------|
| <input checked="" type="checkbox"/> | Good |
| <input type="checkbox"/> | Fair |
| <input type="checkbox"/> | Poor |
| <input type="checkbox"/> | Debris in Flowline |
| <input type="checkbox"/> | Debris on Bench |
| <input type="checkbox"/> | Evidence of Surcharge |
| <input type="checkbox"/> | Evidence of Infiltration |
| <input type="checkbox"/> | Other _____ |

SOURCE OF LEAK

- | | |
|--------------------------|-----------------------------|
| <input type="checkbox"/> | Main Line Pipe Penetrations |
| <input type="checkbox"/> | Service Penetrations |
| <input type="checkbox"/> | Manhole Joints |
| <input type="checkbox"/> | Cone Broken |
| <input type="checkbox"/> | Lid Broken |
| <input type="checkbox"/> | Lid Missing |
| <input type="checkbox"/> | Hole In Lid |
| <input type="checkbox"/> | Other _____ |

REHABILITATION (in office)

- | | |
|--------------------------|---------------------------|
| <input type="checkbox"/> | Replace Manhole |
| <input type="checkbox"/> | Clean-out Manhole |
| <input type="checkbox"/> | Re-Build Bench |
| <input type="checkbox"/> | Replace Ring & Cover |
| <input type="checkbox"/> | Re-Grout Top Cone & Lid |
| <input type="checkbox"/> | Seal Inside of Manhole |
| <input type="checkbox"/> | Grout In Pipe Penetration |
| <input type="checkbox"/> | Other _____ |

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

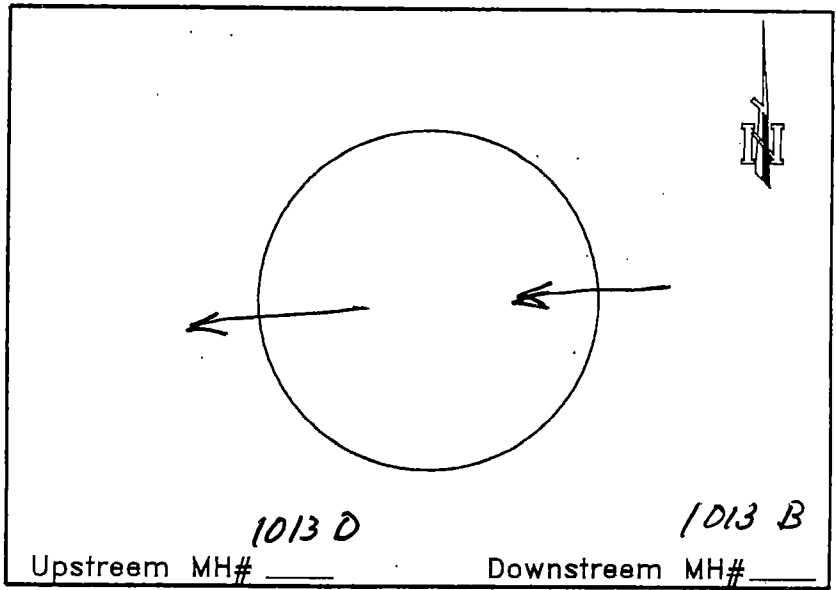
Location: BEHIND 307 GARY.

Basin: S

MH No. 1013 C

Date: 2-28 Time: _____

Inspector: (SR)



TYPE OF MH DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 4.7 ft. Depth
- Fiberglass
- Other _____ Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	Truss	4.7	1			
B	8	/	/	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

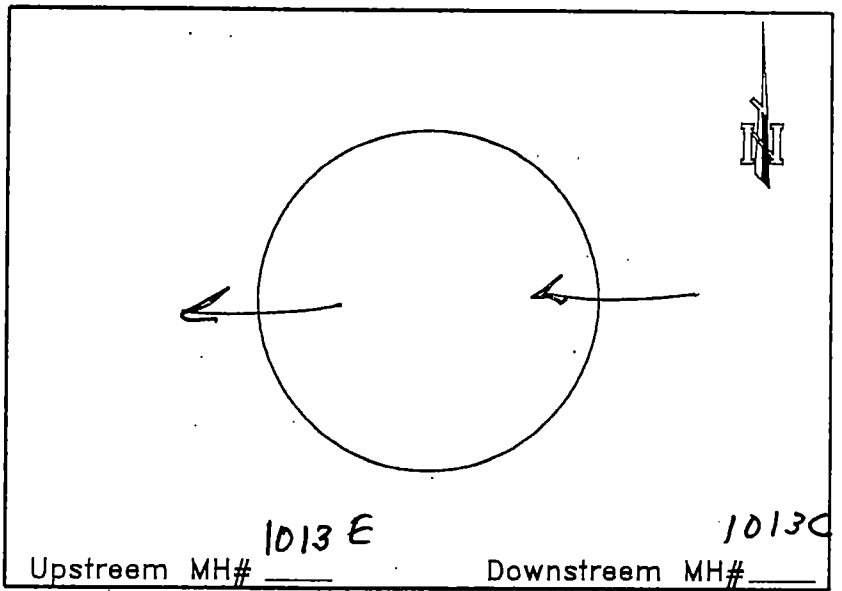
REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: BEHIND 1210
MISSOURI.
 Basin: 5
 MH No. 1013 D
 Date: 2-28 Time: _____
 Inspector: (Signature)



TYPE OF MH DESCRIPTION

Concrete 4 ft. Diameter
 Brick
 Fiberglass 4.1 ~~ft.~~ ft. Depth
 Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods
 Other: HOLE PASTER.

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	TUSS	4.7	1			
B	8	l		2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout In Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

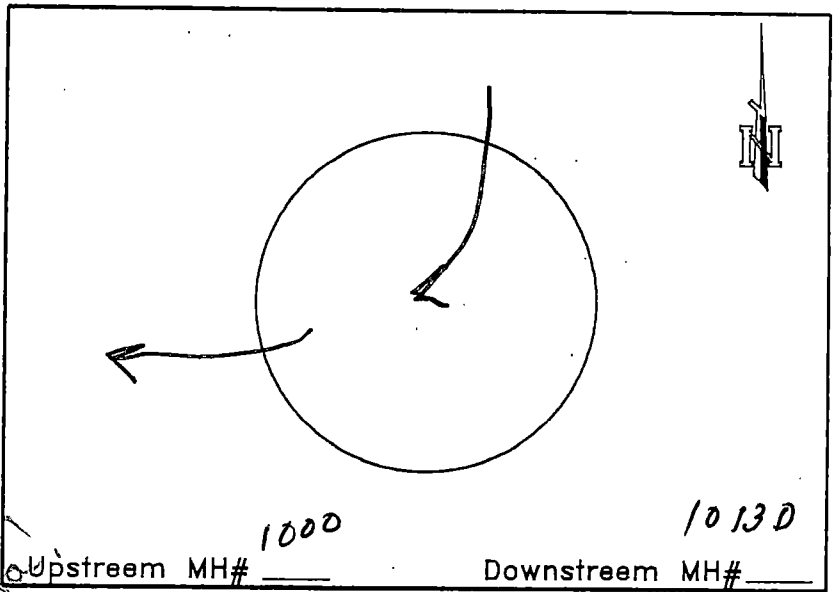
Location: BEHIND 12-10 MISSOURI

Basin: 5

MH No. 1013E

Date: 2-28 Time: _____

Inspector: (BD)



TYPE OF MH

DESCRIPTION

- Concrete _____ ft. Diameter
- Brick _____ ft. Depth
- Fiberglass _____ Lid Size
- Other _____

Upstream MH# 1000 Downstream MH# 1013D

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

Need more data!

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A				1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

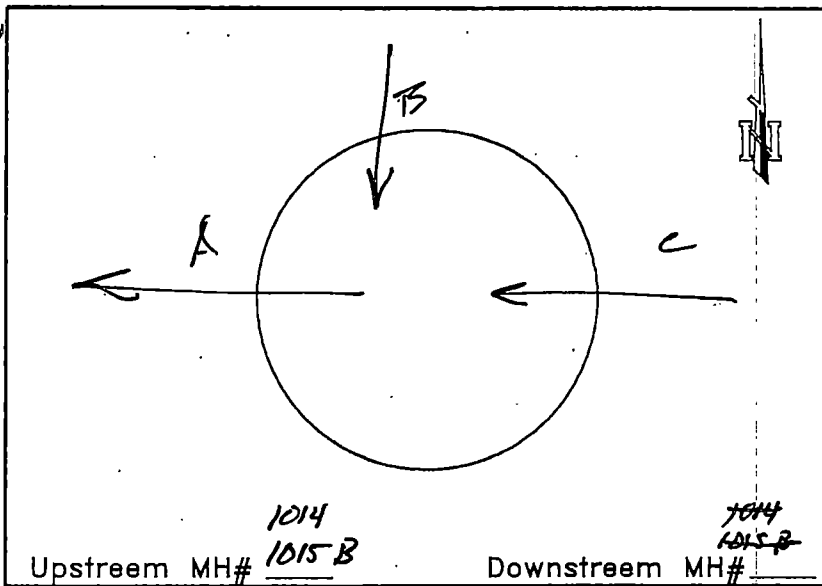
Location: SIMPSON & HWY 8 OK

Basin: 5

MH No. 1015

Date: 2-28 Time: _____

Inspector: (BB)



TYPE OF MH

DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 6.7 ft. Depth
- Fiberglass _____ Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other DITCH.

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	Truss	6.7	1			
B	10		5.4	2			
C	10		6.7	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

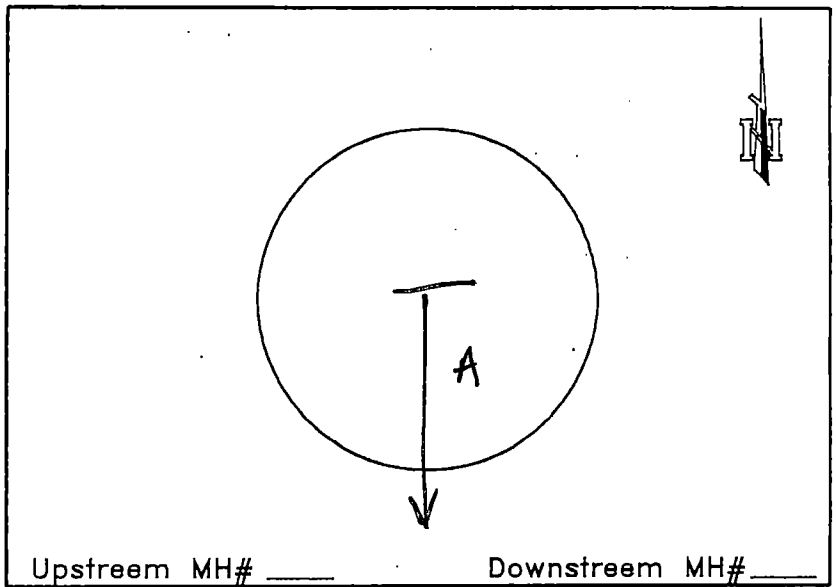
Location: SAMPSON Simpson

Basin: 5

MH No. 1015 B

Date: 2-28 Time: _____

Inspector: BA



TYPE OF MH DESCRIPTION

- | | | |
|-------------------------------------|------------|-----------------------|
| <input checked="" type="checkbox"/> | Concrete | <u>4</u> ft. Diameter |
| <input type="checkbox"/> | Brick | <u>4.3</u> ft. Depth |
| <input type="checkbox"/> | Fiberglass | _____ Lid Size |
| <input type="checkbox"/> | Other | _____ Lid Size |

TYPE OF PROPERTY

- | | | | |
|-------------------------------------|-----------|--------------------------|--------------|
| <input checked="" type="checkbox"/> | Residence | <input type="checkbox"/> | Trailer Park |
| <input type="checkbox"/> | Business | <input type="checkbox"/> | Vacant Lot |
| <input type="checkbox"/> | Apartment | <input type="checkbox"/> | Other _____ |

COVER OVER MANHOLE

- | | | | |
|--------------------------|----------------|-------------------------------------|------------|
| <input type="checkbox"/> | Conc. Pavement | <input type="checkbox"/> | Sidewalk |
| <input type="checkbox"/> | Asph. Pavement | <input checked="" type="checkbox"/> | Yard/Field |
| <input type="checkbox"/> | Gravel | <input type="checkbox"/> | Woods |

Other Ditch

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	<u>8/10</u>	<u>Tross</u>	<u>4.3</u>	1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- | | |
|-------------------------------------|--------------------------|
| <input checked="" type="checkbox"/> | Good |
| <input type="checkbox"/> | Fair |
| <input type="checkbox"/> | Poor |
| <input type="checkbox"/> | Debris in Flowline |
| <input type="checkbox"/> | Debris on Bench |
| <input type="checkbox"/> | Evidence of Surcharge |
| <input type="checkbox"/> | Evidence of Infiltration |
| <input type="checkbox"/> | Other _____ |

SOURCE OF LEAK

- | | |
|--------------------------|-----------------------------|
| <input type="checkbox"/> | Main Line Pipe Penitrations |
| <input type="checkbox"/> | Service Penitrations |
| <input type="checkbox"/> | Manhole Joints |
| <input type="checkbox"/> | Cone Broken |
| <input type="checkbox"/> | Lid Broken |
| <input type="checkbox"/> | Lid Missing |
| <input type="checkbox"/> | Hole In Lid |
| <input type="checkbox"/> | Other _____ |

REHABILITATION (in office)

- | | |
|--------------------------|---------------------------|
| <input type="checkbox"/> | Replace Manhole |
| <input type="checkbox"/> | Clean-out Manhole |
| <input type="checkbox"/> | Re-Build Bench |
| <input type="checkbox"/> | Replace Ring & Cover |
| <input type="checkbox"/> | Re-Grout Top Cone & Lid |
| <input type="checkbox"/> | Seal Inside of Manhole |
| <input type="checkbox"/> | Grout In Pipe Penetration |
| <input type="checkbox"/> | Other _____ |

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

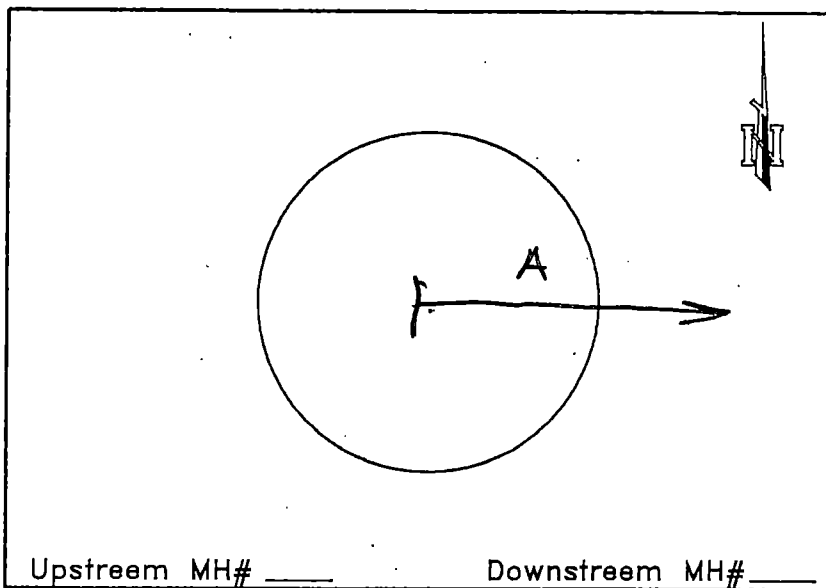
Location: 2511 SOUTHERLAND.

Basin: 5

MH No. 1015 D

Date: 2-28 Time: _____

Inspector: BB



Upstream MH# _____

Downstream MH# _____

TYPE OF MH

DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 4.4 ft. Depth
- Fiberglass _____ Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	Truss	4.4	1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

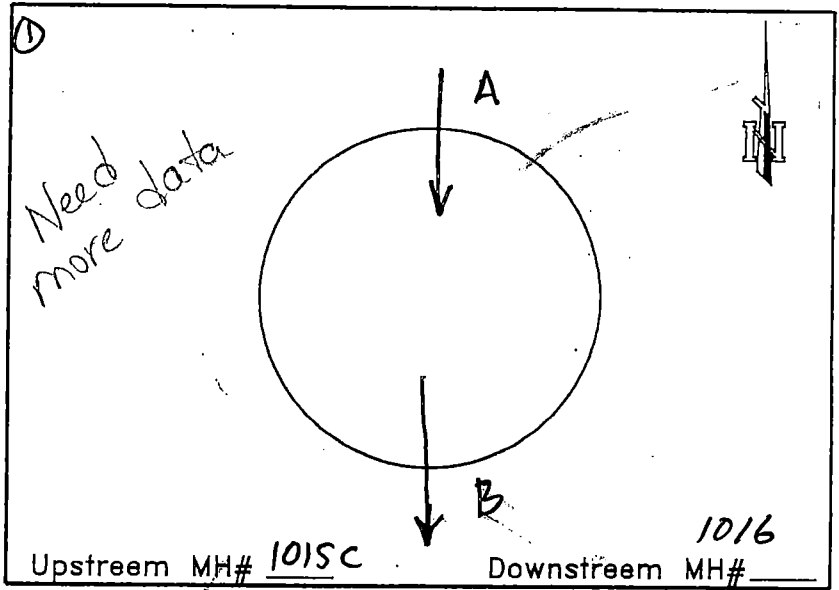
Location: RIDE A WAY, B4 2504
SOUTHERLAND.

Basin: _____

MH No. 1016

Date: 2-28 Time: _____

Inspector: (BB)



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>5.8</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input checked="" type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A			<u>3.0</u>	1			
B			<u>5.8</u>	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION	
<input checked="" type="checkbox"/> Good	
<input type="checkbox"/> Fair	
<input type="checkbox"/> Poor	
<input type="checkbox"/> Debris in Flowline	
<input type="checkbox"/> Debris on Bench	
<input type="checkbox"/> Evidence of Surcharge	
<input type="checkbox"/> Evidence of Infiltration	
<input type="checkbox"/> Other _____	

SOURCE OF LEAK	
<input type="checkbox"/> Main Line Pipe Penitrations	
<input type="checkbox"/> Service Penitrations	
<input type="checkbox"/> Manhole Joints	
<input type="checkbox"/> Cone Broken	
<input type="checkbox"/> Lid Broken	
<input type="checkbox"/> Lid Missing	
<input type="checkbox"/> Hole In Lid	
<input type="checkbox"/> Other _____	

REHABILITATION (in office)	
<input type="checkbox"/> Replace Manhole	
<input type="checkbox"/> Clean-out Manhole	
<input type="checkbox"/> Re-Build Bench	
<input type="checkbox"/> Replace Ring & Cover	
<input type="checkbox"/> Re-Grout Top Cone & Lid	
<input type="checkbox"/> Seal Inside of Manhole	
<input type="checkbox"/> Grout in Pipe Penetration	
<input type="checkbox"/> Other _____	

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

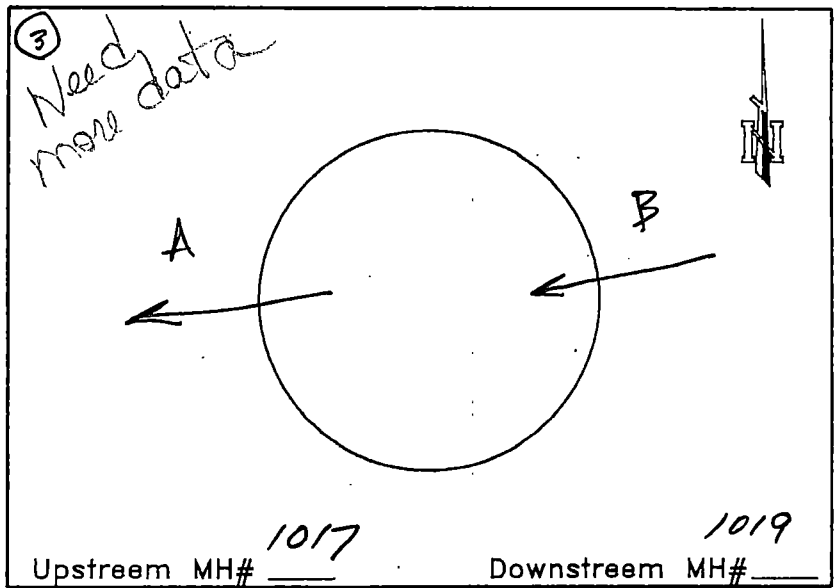
Location: RIDE A WAY BY 2504
SOUTHER LAND

Basin: 5

MH No. 1018

Date: 2-28 Time: _____

Inspector: (BR)



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick 7 ft. Depth
- Fiberglass
- Other _____ Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A				1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

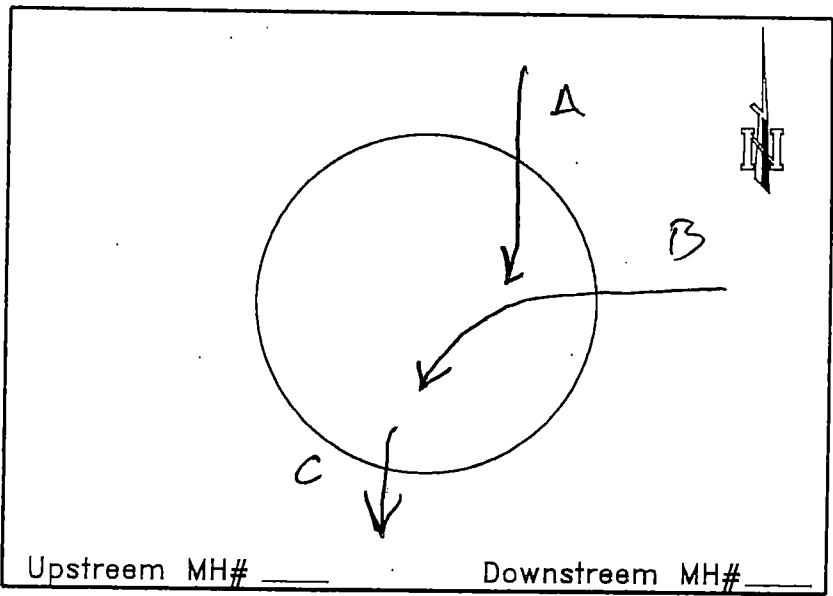
REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Object: Mena Utilities SSES
 Location: CORCHA - W. BOUNDARY.
 Basin: 5
 MH No. 1020
 Date: 2-23 Time: _____
 Inspector: (Signature)



TYPE OF MH **DESCRIPTION**
 Concrete _____ ft. Diameter
 Brick
 Fiberglass _____ ft. Depth
 Other _____ Lid Size

TYPE OF PROPERTY
 Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	Truss	5	1			
B	6	PVC	5	2			
C	10	Truss	5	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE
 Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

MANHOLE CONDITION
 Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK
 Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)
 Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

Main line 366' of 6" between 1020-1021 - Done at same time?

Manhole Rehab Comp. 9/10/2010

MANHOLE EVALUATION

Object: Mena Utilities SSES

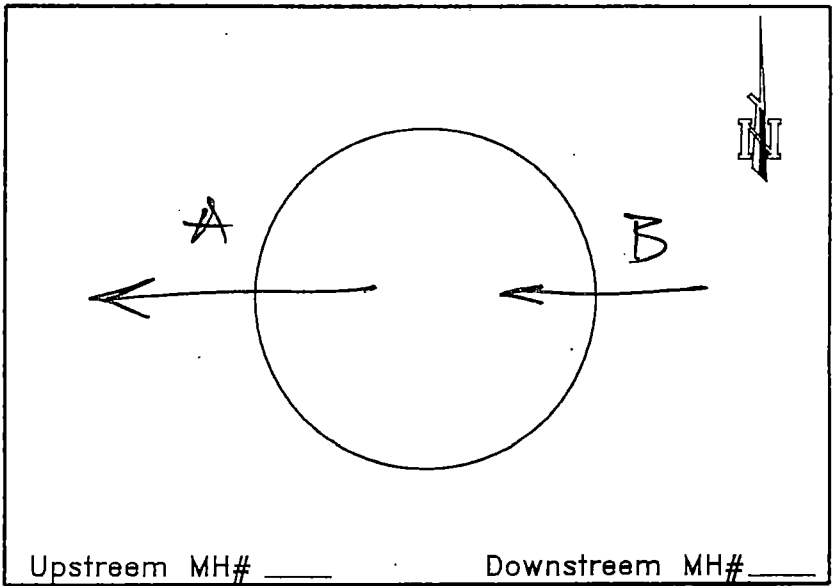
Location: 2700 CHURCH.

Basin: 5

MH No. 1021

Date: 2-23 Time: _____

Inspector: (BHO)



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick _____ ft. Depth
- Fiberglass _____ Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	6.4	1			
B	6		5.6	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other DITCH.

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

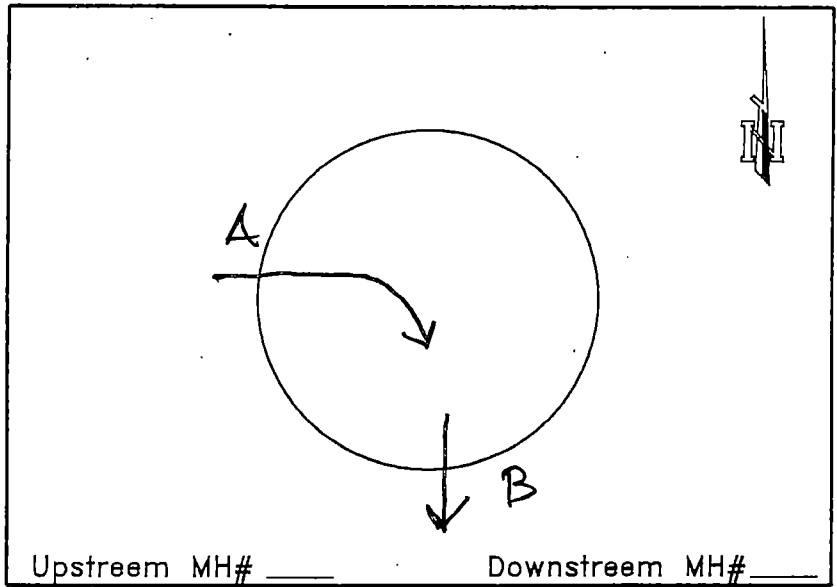
REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Object: Mena Utilities SSES
 Location: BACK YARD OF 2611
OSARK
 Basin: 5
 MH No. 1024
 Date: 2-23 Time: _____
 Inspector: (BR)



TYPE OF MH DESCRIPTION
 Concrete 4 ft. Diameter
 Brick 14.5 ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY
 Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	PVC	14.5	1			
B	10	1	1	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE
 Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

MANHOLE CONDITION
 Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK
 Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)
 Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout In Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

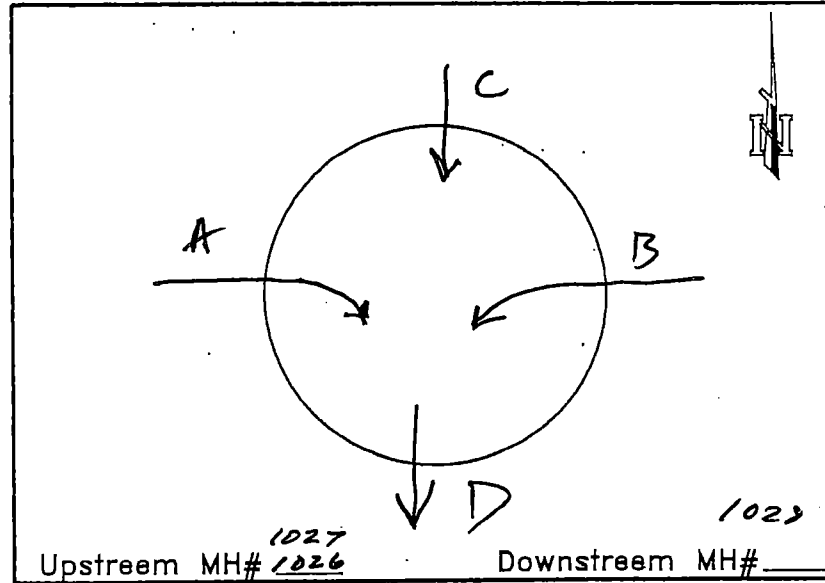
Location: 2700 OZARK ST.

Basin: 10

MH No. 1025

Date: 3-11 Time: _____

Inspector: (BB)



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>20'</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	6.2	1			
B	6	PVC	6.2	2			
C	8	PVC	20'	3			
D	8	1	20'	4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input type="checkbox"/> Asp. Pavement	<input checked="" type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods

Other Ditch

MANHOLE CONDITION	
<input checked="" type="checkbox"/> Good	
<input type="checkbox"/> Fair	
<input type="checkbox"/> Poor	
<input type="checkbox"/> Debris in Flowline	
<input type="checkbox"/> Debris on Bench	
<input type="checkbox"/> Evidence of Surcharge	
<input type="checkbox"/> Evidence of Infiltration	
<input type="checkbox"/> Other _____	

SOURCE OF LEAK	
<input type="checkbox"/> Main Line Pipe Penetrations	
<input type="checkbox"/> Service Penetrations	
<input type="checkbox"/> Manhole Joints	
<input type="checkbox"/> Cone Broken	
<input type="checkbox"/> Lid Broken	
<input type="checkbox"/> Lid Missing	
<input type="checkbox"/> Hole in Lid	
<input type="checkbox"/> Other _____	

REHABILITATION (in office)	
<input type="checkbox"/> Replace Manhole	
<input type="checkbox"/> Clean-out Manhole	
<input type="checkbox"/> Re-Build Bench	
<input type="checkbox"/> Replace Ring & Cover	
<input type="checkbox"/> Re-Grout Top Cone & Lid	
<input type="checkbox"/> Seal Inside of Manhole	
<input type="checkbox"/> Grout in Pipe Penetration	
<input type="checkbox"/> Other _____	

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

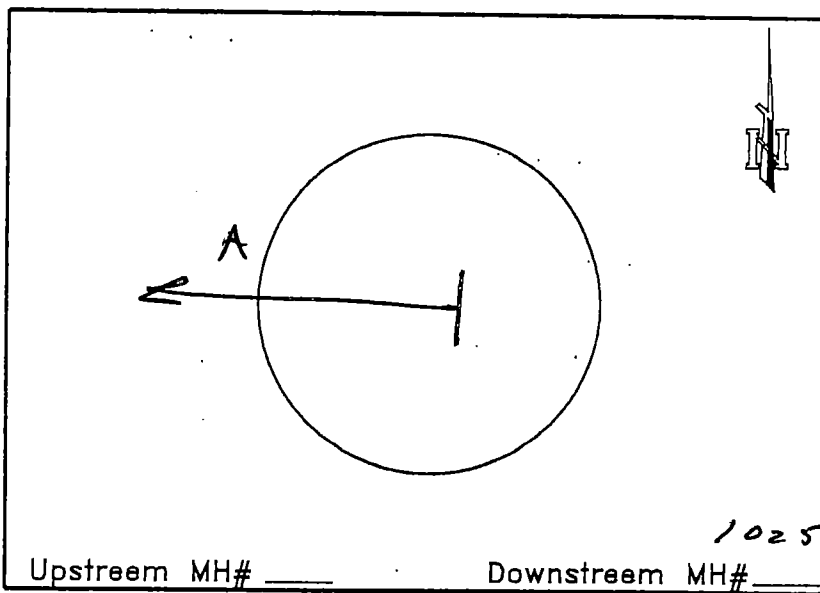
Location: 2602 O2MRK

Basin: 10

MH No. 1026

Date: 3-2 Time: _____

Inspector: (BB)



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>2</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____ Lid Size

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc.Pavement	<input type="checkbox"/> Sidewalk
<input type="checkbox"/> Asph.Pavement	<input checked="" type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	6	1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION	
<input checked="" type="checkbox"/> Good	
<input type="checkbox"/> Fair	
<input type="checkbox"/> Poor	
<input type="checkbox"/> Debris in Flowline	
<input type="checkbox"/> Debris on Bench	
<input type="checkbox"/> Evidence of Surcharge	
<input type="checkbox"/> Evidence of Infiltration	
<input type="checkbox"/> Other _____	

SOURCE OF LEAK	
<input type="checkbox"/> Main Line Pipe Penitrations	
<input type="checkbox"/> Service Penitrations	
<input type="checkbox"/> Manhole Joints	
<input type="checkbox"/> Cone Broken	
<input type="checkbox"/> Lid Broken	
<input type="checkbox"/> Lid Missing	
<input type="checkbox"/> Hole In Lid	
<input type="checkbox"/> Other _____	

REHABILITATION (in office)	
<input type="checkbox"/> Replace Manhole	
<input type="checkbox"/> Clean-out Manhole	
<input type="checkbox"/> Re-Build Bench	
<input type="checkbox"/> Replace Ring & Cover	
<input type="checkbox"/> Re-Grout Top Cone & Lid	
<input type="checkbox"/> Seal Inside of Manhole	
<input type="checkbox"/> Grout In Pipe Penetration	
<input type="checkbox"/> Other _____	

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

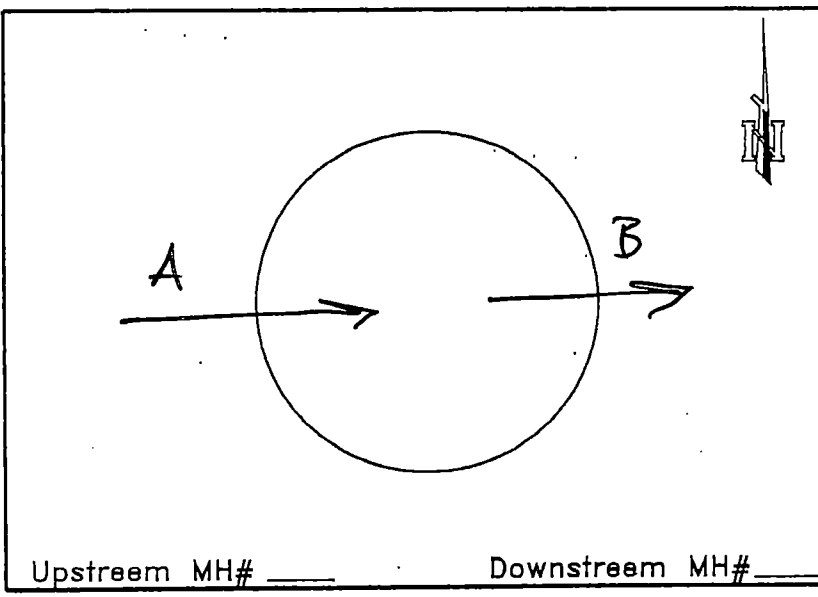
Location: 2703 OZARK.

Basin: 10

MH No. 1027

Date: 3-2 Time: _____

Inspector: BR



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter

Brick 5 ft. Depth

Fiberglass _____ Lid Size

Other _____

TYPE OF PROPERTY

Residence Traller Park

Business Vacant Lot

Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	5'	1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc.Pavement Sidewalk

Asph.Pavement Yard/Field

Gravel Woods

Other _____

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations

Service Penitrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

Grout In Pipe Penetration

Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

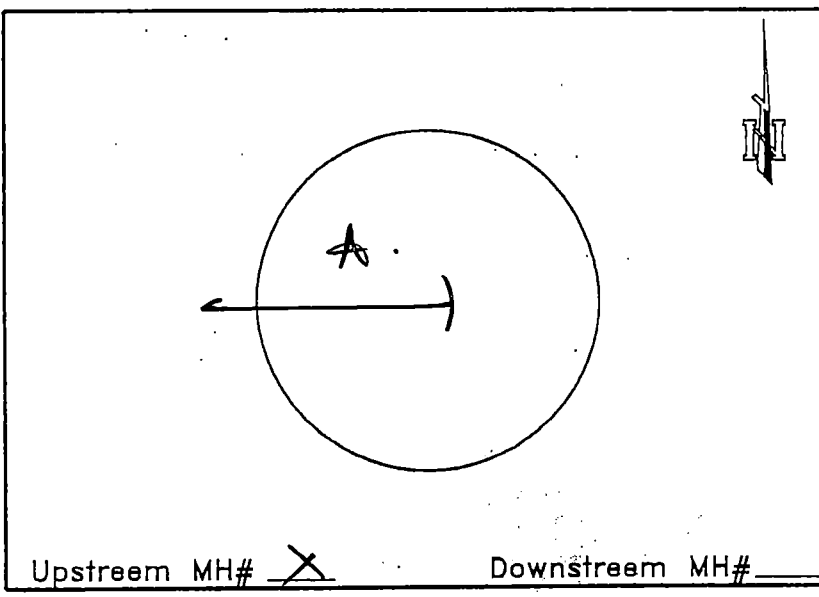
Location: DZARK & MILLER

Basin: 10

MH No. 1026 1029

Date: 3-2 Time: _____

Inspector: (BR)



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>6.4</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____ Lid Size

TYPE OF PROPERTY

<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	PVC		1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods

Other _____

MANHOLE CONDITION

<input checked="" type="checkbox"/> Good
<input type="checkbox"/> Fair
<input type="checkbox"/> Poor
<input type="checkbox"/> Debris in Flowline
<input type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surcharge
<input type="checkbox"/> Evidence of Infiltration
<input type="checkbox"/> Other _____

SOURCE OF LEAK

<input type="checkbox"/> Main Line Pipe Penetrations
<input type="checkbox"/> Service Penetrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole In Lid
<input type="checkbox"/> Other _____

REHABILITATION (in office)

<input type="checkbox"/> Replace Manhole
<input type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top Cone & Lid
<input type="checkbox"/> Seal Inside of Manhole
<input type="checkbox"/> Grout In Pipe Penetration
<input type="checkbox"/> Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION 10

Project: Mena Utilities SSES

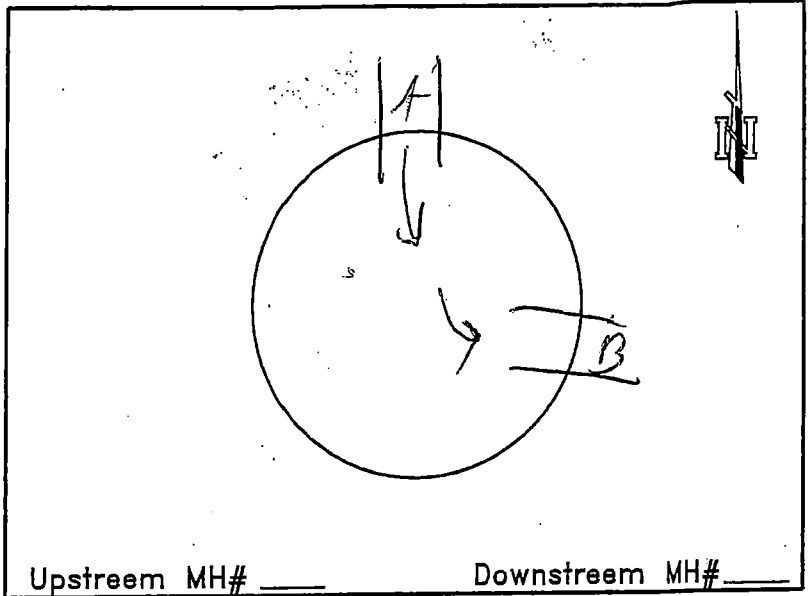
Location: _____

Basin: _____

MH No. 1043

Date: 7/23/10 Time: _____

Inspector: Boley



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick _____ ft. Depth
- Fiberglass
- Other 23 1/2 Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other GOPE T

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	TRUSS	6.5	1			
B	10	TRUSS	6.5	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

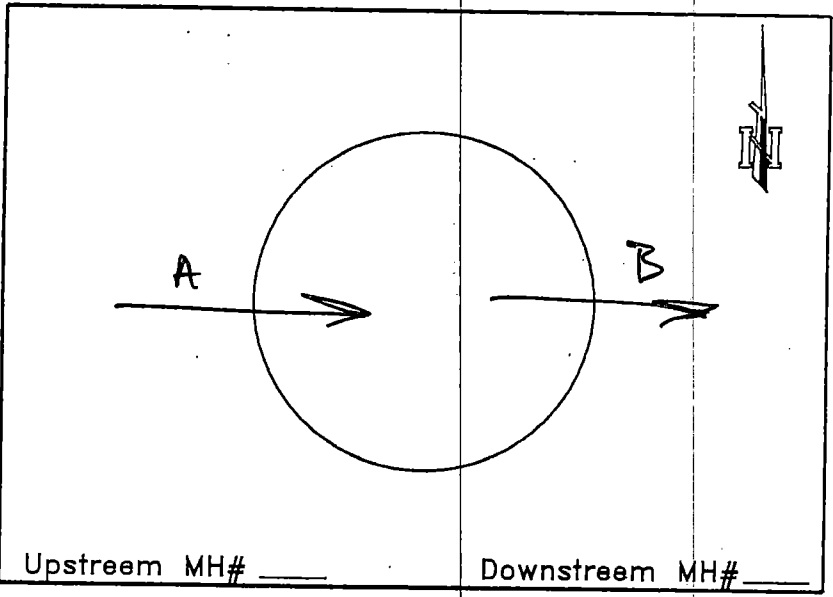
Location: 2504 AVERITT.

Basin: 10

MH No. 1044

Date: 2-28 Time: _____

Inspector: (PAB)



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>5.8</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____ Lid Size

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	TRUSS	5.8	1			
B	1	1	1	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE	
<input type="checkbox"/> Conc.Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph.Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

MANHOLE CONDITION
<input checked="" type="checkbox"/> Good
<input type="checkbox"/> Fair
<input type="checkbox"/> Poor
<input type="checkbox"/> Debris in Flowline
<input type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surcharge
<input type="checkbox"/> Evidence of Infiltration
<input type="checkbox"/> Other _____

SOURCE OF LEAK
<input type="checkbox"/> Main Line Pipe Penitrations
<input type="checkbox"/> Service Penitrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole In Lid
<input type="checkbox"/> Other _____

REHABILITATION (in office)
<input type="checkbox"/> Replace Manhole
<input type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top Cone & Lid
<input type="checkbox"/> Seal Inside of Manhole
<input type="checkbox"/> Grout In Pipe Penetration
<input type="checkbox"/> Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

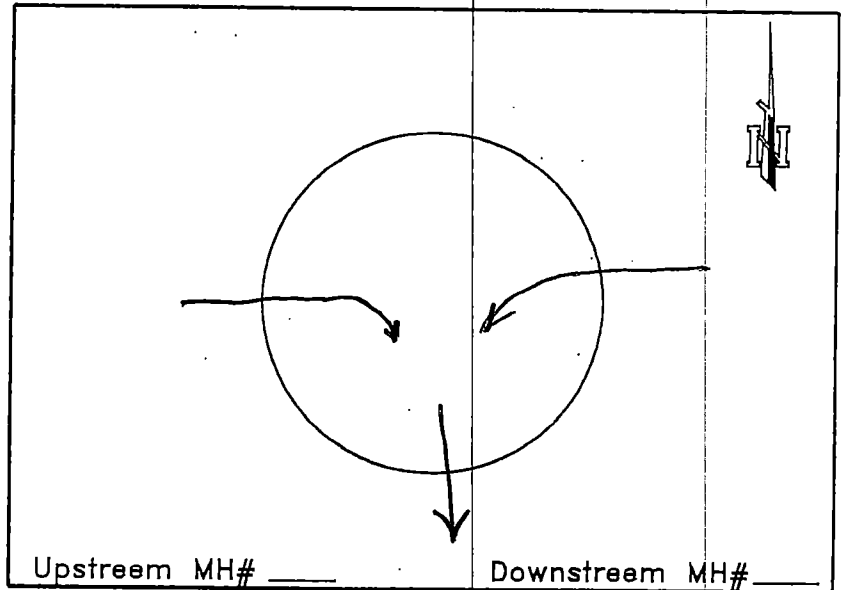
Location: 2409 AVERITT AVE.

Basin: 10

MH No. ~~1044~~ 1045

Date: 2-29 Time: _____

Inspector: (Signature)



- TYPE OF MH** **DESCRIPTION**
- Concrete _____ ft. Diameter
 - Brick 8 ft. Depth
 - Fiberglass _____ Lid Size
 - Other _____

- TYPE OF PROPERTY**
- Residence Trailer Park
 - Business Vacant Lot
 - Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	Truss	8	1			
B	1	1	1	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

- COVER OVER MANHOLE**
- Conc.Pavement Sidewalk
 - Asph.Pavement Yard Field
 - Gravel Woods
- Other _____

- MANHOLE CONDITION**
- Good
 - Fair
 - Poor
 - Debris In Flowline
 - Debris on Bench
 - Evidence of Surcharge
 - Evidence of Infiltration
 - Other _____

- SOURCE OF LEAK**
- Main Line Pipe Penitrations
 - Service Penitrations
 - Manhole Joints
 - Cone Broken
 - Lid Broken
 - Lid Missing
 - Hole In Lid
 - Other _____

- REHABILITATION (in office)**
- Replace Manhole
 - Clean-out Manhole
 - Re-Build Bench
 - Replace Ring & Cover
 - Re-Grout Top Cone & Lid
 - Seal Inside of Manhole
 - Grout In Pipe Penetration
 - Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

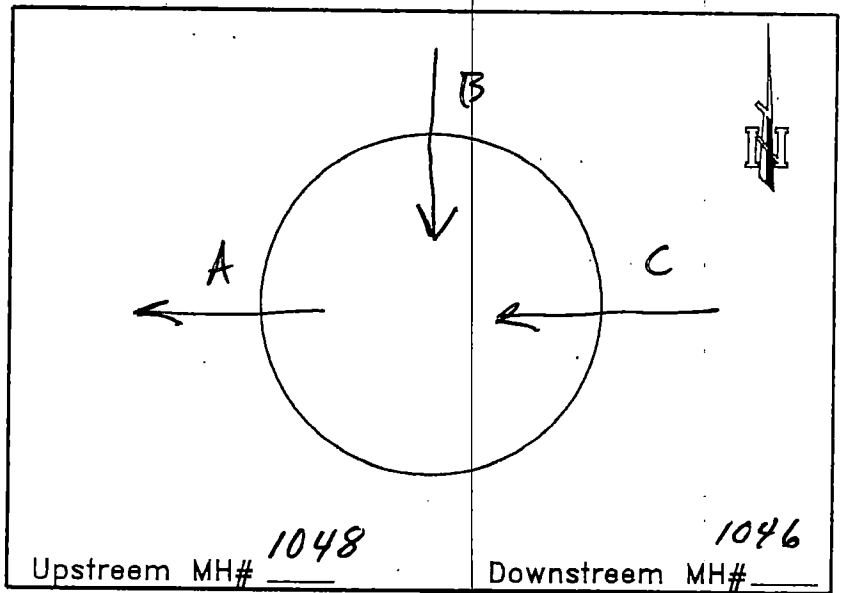
Location: AVERITT & FINKS

Basin: 10

MH No. 1047

Date: 2-28 Time: _____

Inspector: (Signature)



TYPE OF MH

DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 7 ft. Depth
- Fiberglass _____ Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	Truss	7.0	1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

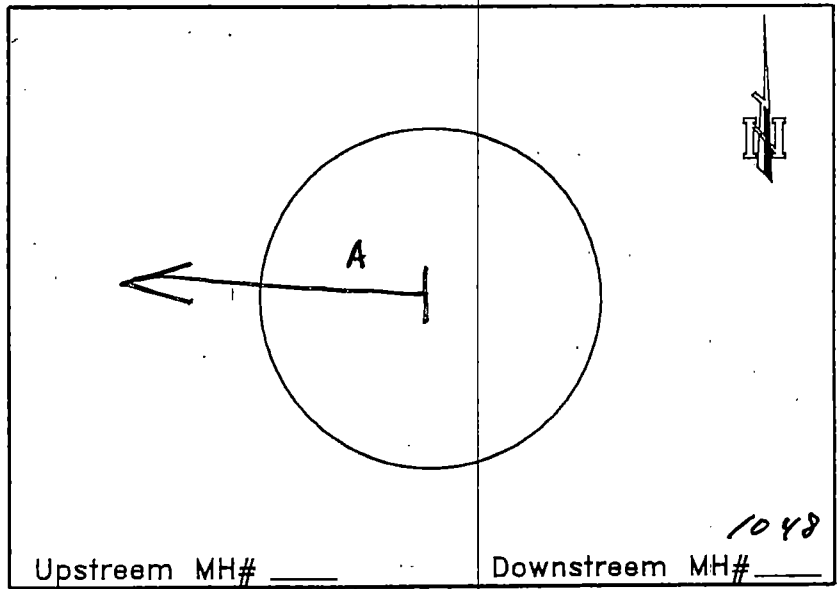
Location: 204 AVERITT AVE

Basin: 10

MH No. 1049

Date: 2-28 Time: _____

Inspector: [Signature]



TYPE OF MH DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 4.8 ft. Depth
- Fiberglass
- Other _____ Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	Tross	4.8	1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

10

Project: Mena Utilities SSES

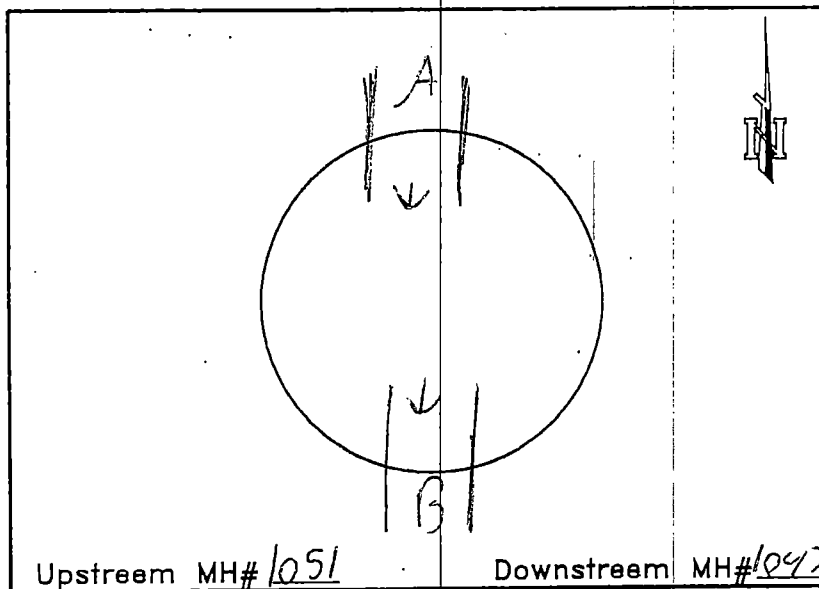
Location: Fink J. Reeves

Basin: 10

MH No. 1050

Date: 3/1/11 Time: _____

Inspector: Bode-



TYPE OF MH DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 10 ft. Depth
- Fiberglass
- Other 23 1/2 Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other Street

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	Truss	4	1			
B	10	Truss	10	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris In Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

10

Project: Mena Utilities SSES

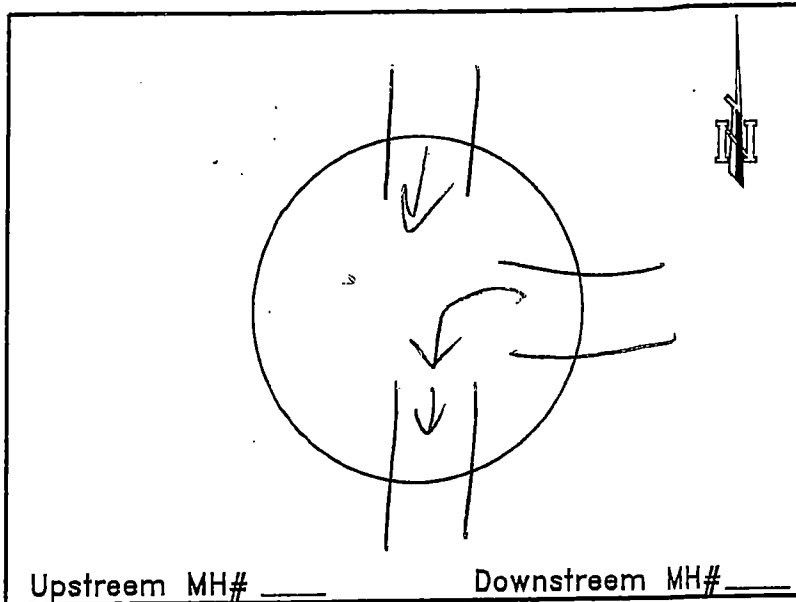
Location: _____

Basin: _____

MH No. 1051

Date: 7/23/10 Time: _____

Inspector: Boady



TYPE OF MH

DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 6.5 ft. Depth
- Fiberglass
- Other 23 1/2 Lid Size

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other Streets

COVER OVER MANHOLE

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	TRUSS	6 1/2	1			
B	10	TRUSS	6 1/2	2			
C	10			3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole in Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

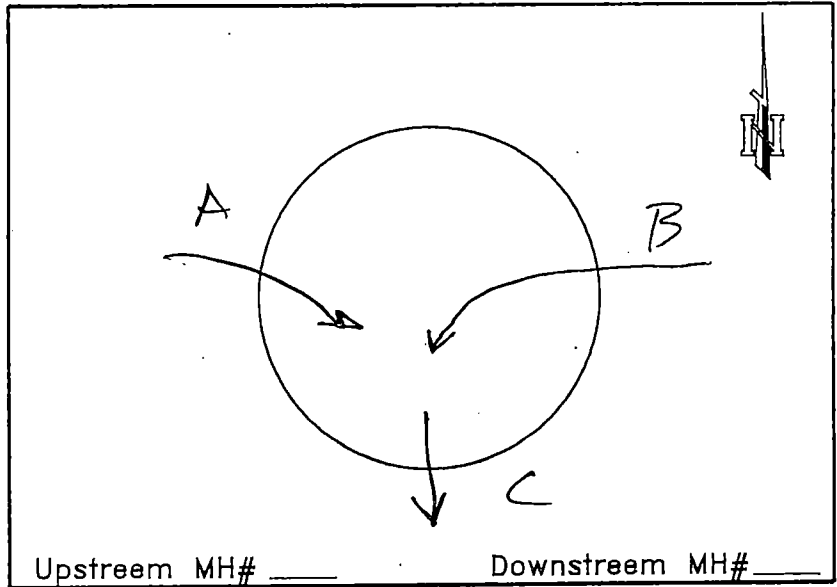
Location: FINK - CHURCH

Basin: 5

MH No. 1052

Date: 2-23 Time: _____

Inspector: (Signature)



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick _____ ft. Depth
- Fiberglass _____ Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	Trus	8.0	1			
B	10		8.0	2			
C	10		8.0	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other _____

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

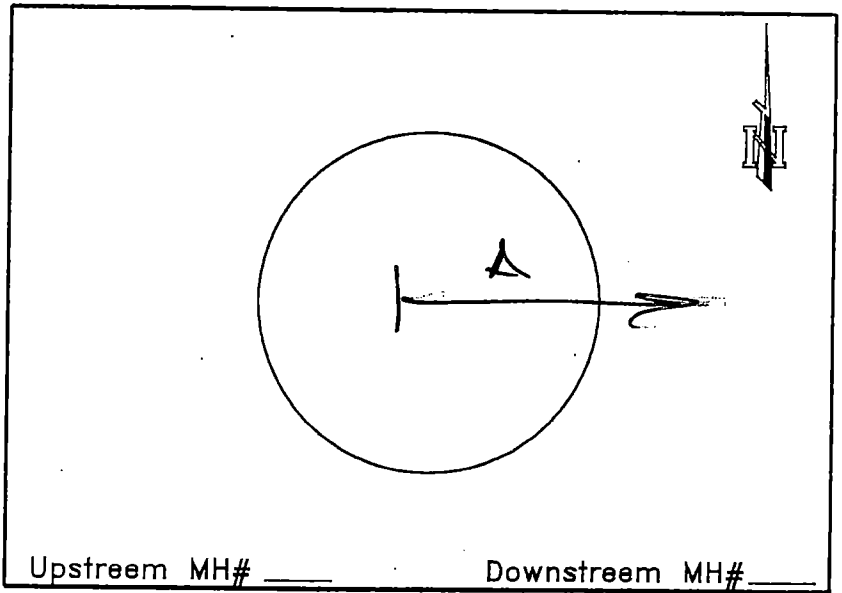
REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Object: Mena Utilities SSES
 Location: CHURCH ST.
 Basin: 5
 MH No. 1052 1/2
 Date: 2-23 Time: _____
 Inspector: (BB)



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick _____ ft. Depth
- Fiberglass
- Other _____ Lid Size

Upstream MH# _____ Downstream MH# _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	2.6	1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other _____

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

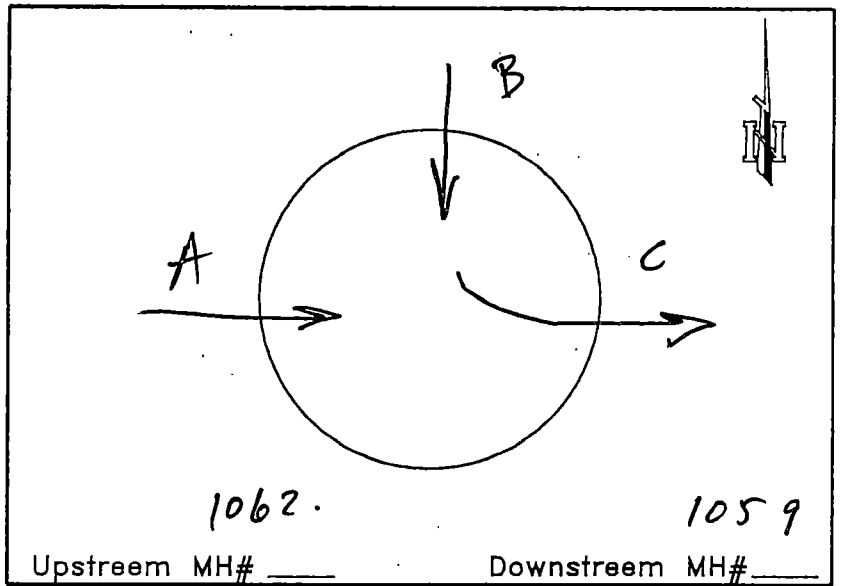
Location: OW CARTER BETWEEN FINK
& TURNER.

Basin: 5

MH No. 1061

Date: 2-28 Time: _____

Inspector: (Signature)



TYPE OF MH

DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 4.6 ft. Depth
- Fiberglass _____
- Other _____ Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other DITCH

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	PVC		1			
B	6	1		2			
C	8	1		3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

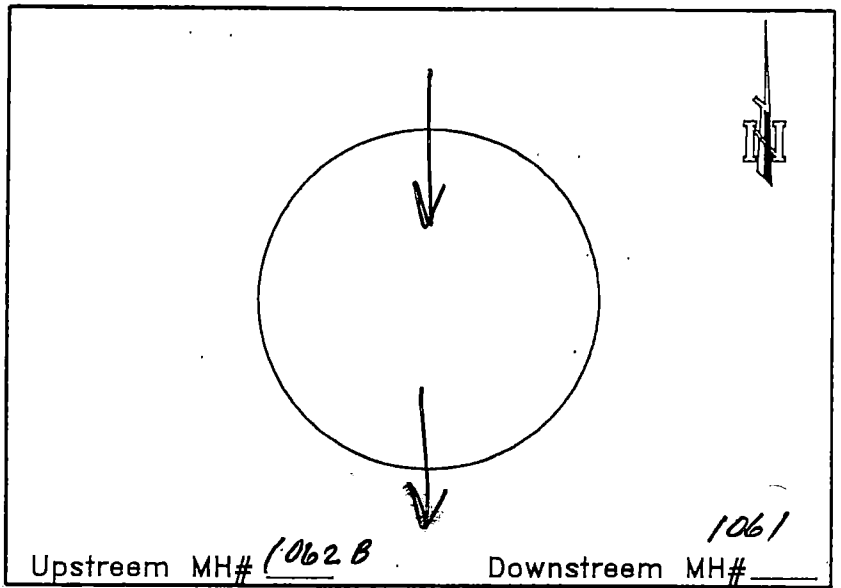
Location: AN ALLEY BETWEEN FINK & TURNER
ON CARTER.

Basin: 5

MH No. 1062

Date: 2-28 Time: _____

Inspector: [Signature]



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>4.5</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input type="checkbox"/> Asph. Pavement	<input checked="" type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	Pvc	4.5	1			
B	6	1	1	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION	
<input checked="" type="checkbox"/> Good	
<input type="checkbox"/> Fair	
<input type="checkbox"/> Poor	
<input type="checkbox"/> Debris in Flowline	
<input type="checkbox"/> Debris on Bench	
<input type="checkbox"/> Evidence of Surcharge	
<input type="checkbox"/> Evidence of Infiltration	
<input type="checkbox"/> Other _____	

SOURCE OF LEAK	
<input type="checkbox"/> Main Line Pipe Penitrations	
<input type="checkbox"/> Service Penitrations	
<input type="checkbox"/> Manhole Joints	
<input type="checkbox"/> Cone Broken	
<input type="checkbox"/> Lid Broken	
<input type="checkbox"/> Lid Missing	
<input type="checkbox"/> Hole In Lid	
<input type="checkbox"/> Other _____	

REHABILITATION (in office)	
<input type="checkbox"/> Replace Manhole	
<input type="checkbox"/> Clean-out Manhole	
<input type="checkbox"/> Re-Build Bench	
<input type="checkbox"/> Replace Ring & Cover	
<input type="checkbox"/> Re-Grout Top Cone & Lid	
<input type="checkbox"/> Seal Inside of Manhole	
<input type="checkbox"/> Grout In Pipe Penetration	
Other _____	

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

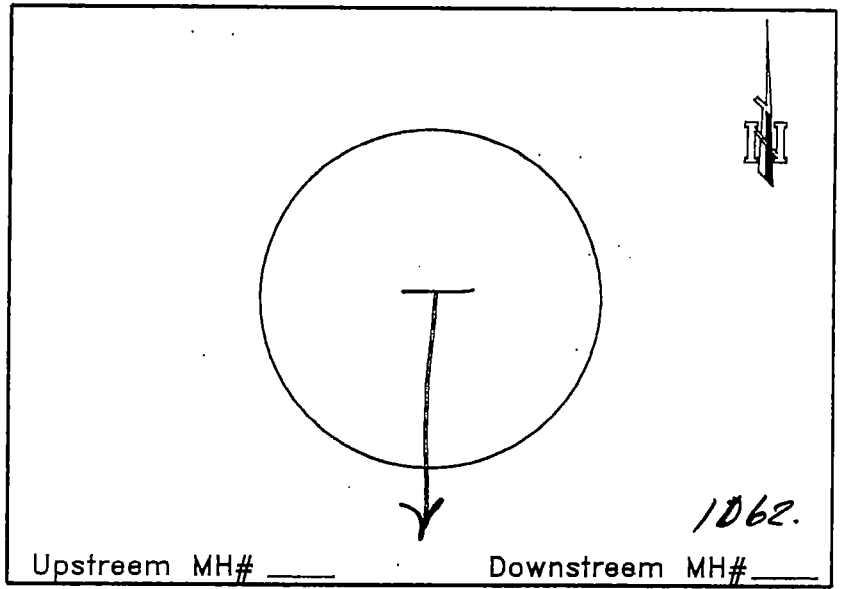
Location: ALLEY BTWEEN FINK & TURNER ON CARTER

Basin: 5

MH No. 1062 B

Date: APR Time: _____

Inspector: 2-28



TYPE OF MH

DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 4 ft. Depth
- Fiberglass _____ Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	4.0	1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

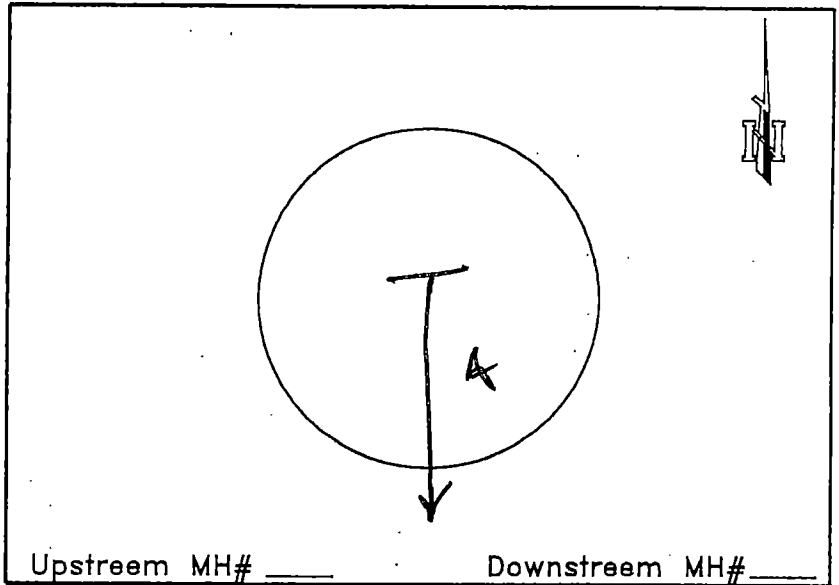
Location: BEHIND 107 LUNA
IN ALLEY.

Basin: 5

MH No. 1063

Date: 2-28 Time: _____

Inspector: (BA)



Upstream MH# _____ Downstream MH# _____

TYPE OF MH DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 3.5 ft. Depth
- Fiberglass
- Other _____ Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	TRUSS	3.5	1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

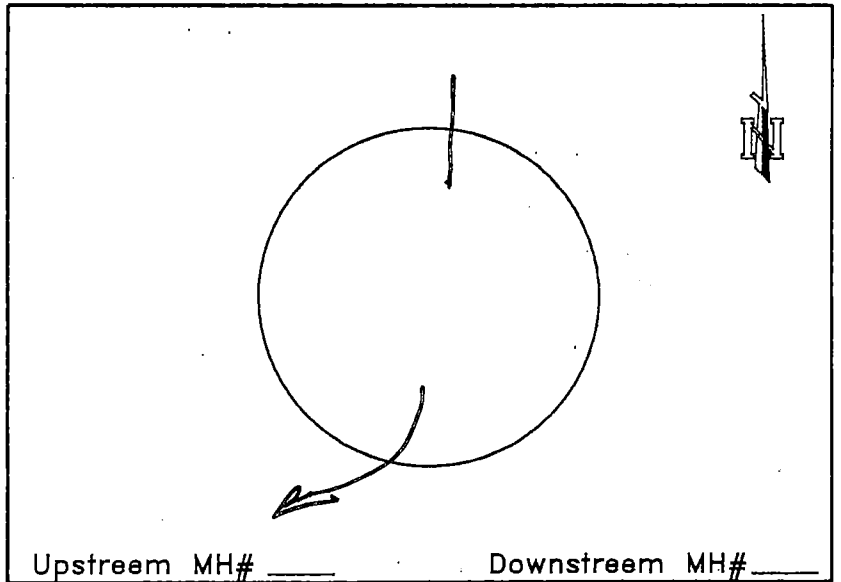
Location: BEHIND PROP. OF 2102 SOUTHERLAND.

Basin: 5

MH No. 1064

Date: 2-28 Time: _____

Inspector: ATD



Upstream MH# _____ Downstream MH# _____

TYPE OF MH		DESCRIPTION
<input checked="" type="checkbox"/>	Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/>	Brick	<u>4.0</u> ft. Depth
<input type="checkbox"/>	Fiberglass	_____ Lid Size
<input type="checkbox"/>	Other	_____ Lid Size

TYPE OF PROPERTY			
<input checked="" type="checkbox"/>	Residence	<input type="checkbox"/>	Trailer Park
<input type="checkbox"/>	Business	<input type="checkbox"/>	Vacant Lot
<input type="checkbox"/>	Apartment	<input type="checkbox"/>	Other _____

COVER OVER MANHOLE			
<input type="checkbox"/>	Conc. Pavement	<input type="checkbox"/>	Sidewalk
<input type="checkbox"/>	Asph. Pavement	<input checked="" type="checkbox"/>	Yard/Field
<input type="checkbox"/>	Gravel	<input type="checkbox"/>	Woods
Other _____			

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	<u>6</u>	<u>PVC</u>	<u>4.0</u>	1			
B	<u>1</u>	<u>1</u>	<u>1</u>	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION	
<input checked="" type="checkbox"/>	Good
<input type="checkbox"/>	Fair
<input type="checkbox"/>	Poor
<input type="checkbox"/>	Debris in Flowline
<input type="checkbox"/>	Debris on Bench
<input type="checkbox"/>	Evidence of Surcharge
<input type="checkbox"/>	Evidence of Infiltration
<input type="checkbox"/>	Other _____

SOURCE OF LEAK	
<input type="checkbox"/>	Main Line Pipe Penitrations
<input type="checkbox"/>	Service Penitrations
<input type="checkbox"/>	Manhole Joints
<input type="checkbox"/>	Cone Broken
<input type="checkbox"/>	Lid Broken
<input type="checkbox"/>	Lid Missing
<input type="checkbox"/>	Hole In Lid
<input type="checkbox"/>	Other _____

REHABILITATION (in office)	
<input type="checkbox"/>	Replace Manhole
<input type="checkbox"/>	Clean-out Manhole
<input type="checkbox"/>	Re-Build Bench
<input type="checkbox"/>	Replace Ring & Cover
<input type="checkbox"/>	Re-Grout Top Cone & Lid
<input type="checkbox"/>	Seal Inside of Manhole
<input type="checkbox"/>	Grout in Pipe Penetration
<input type="checkbox"/>	Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

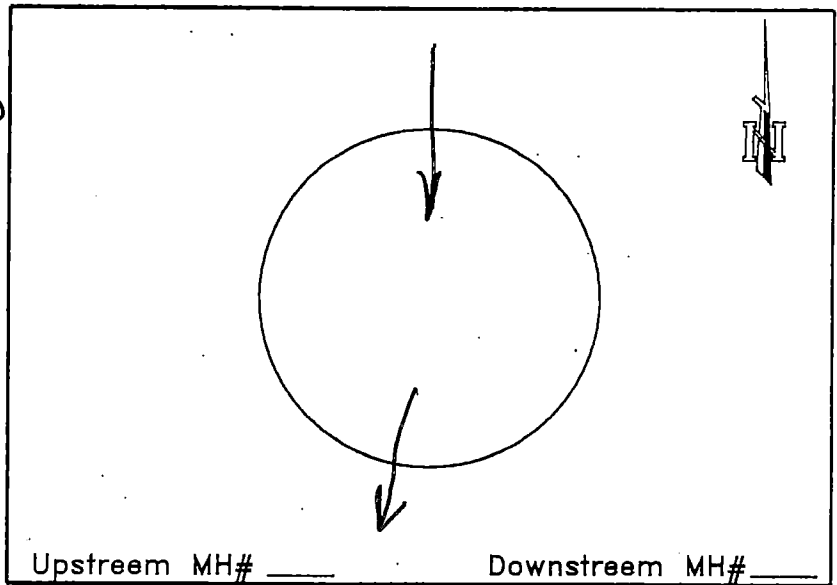
Location: BEHIND PROPERTY OF 2102 SOUTHERLAND

Basin: 5

MH No. ~~7064~~ 1065

Date: 2-28 Time: _____

Inspector: (BAD)



Upstream MH# _____

Downstream MH# _____

TYPE OF MH DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 3.7 ft. Depth
- Fiberglass
- Other _____ Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods
- Other: B

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	3.7	1			
B	1	1	1	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

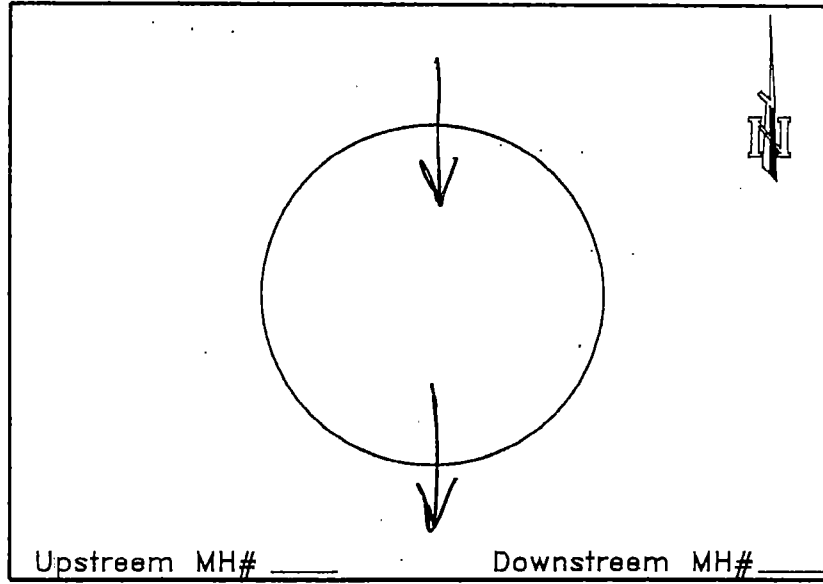
Location: OFF CRESCENT.

Basin: _____

MH No. 1070

Date: 3-2 Time: _____

Inspector: [Signature]



TYPE OF MH **DESCRIPTION**

Concrete _____ ft. Diameter

Brick 8 ft. Depth

Fiberglass _____ Lid Size

Other _____

TYPE OF PROPERTY

Residence Traller Park

Business Vacant Lot

Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	<u>12</u>	<u>Tross.</u>	<u>8</u>	1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc.Pavement Sidewalk

Asph.Pavement Yard/Field

Gravel Woods

Other _____

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations

Service Penitrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

Grout In Pipe Penetration

Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

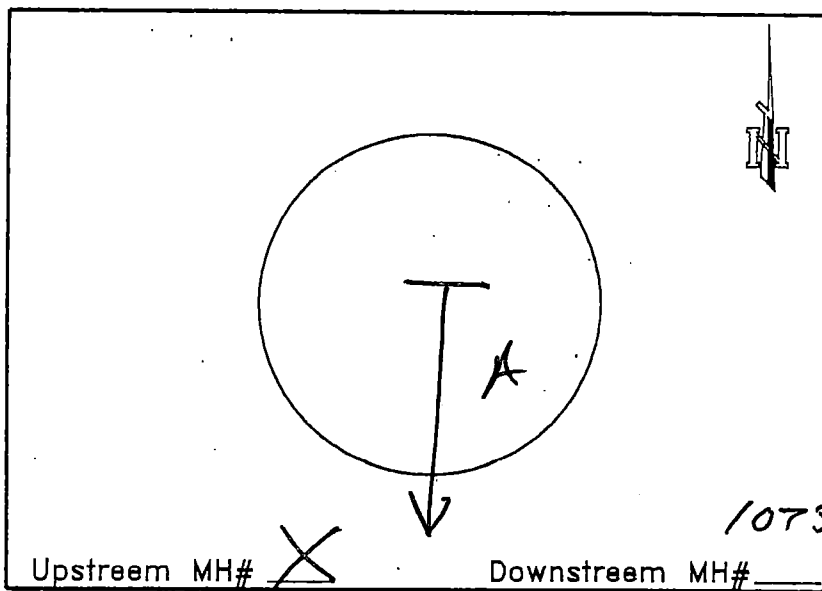
Location: 1014 CRESCENT

Basin: 10

MH No. 1076

Date: 3-2 Time: _____

Inspector: (B2)



TYPE OF MH DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 2 ft. Depth
- Fiberglass _____ Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	2	1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

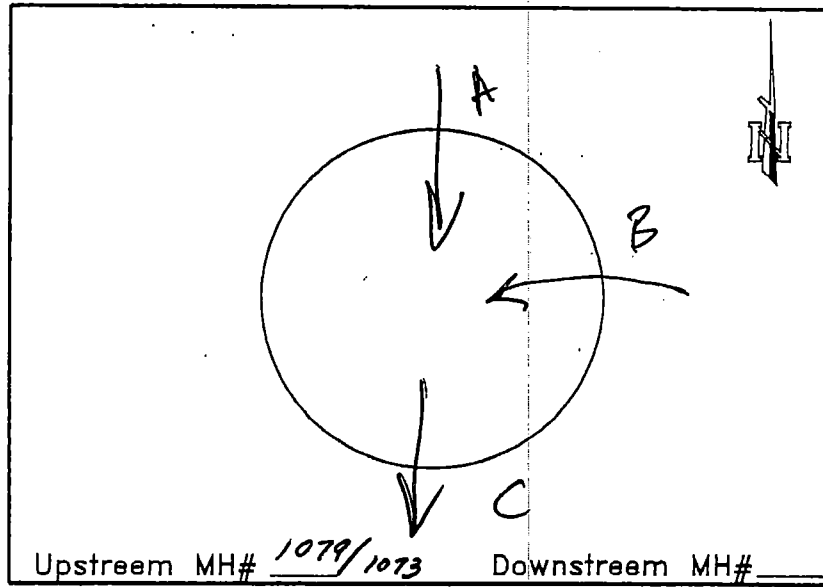
Location: OFF FINK

Basin: 10

MH No. 1078

Date: 3-2 Time: _____

Inspector: (BR)



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick _____ ft. Depth
- Fiberglass
- Other _____ Lid Size

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- ~~Vacant~~ Lot
- Other FEA

COVER OVER MANHOLE

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	12	Trvs	6	1			
B	8	PVC	6	2			
C	12	Trvs	6	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

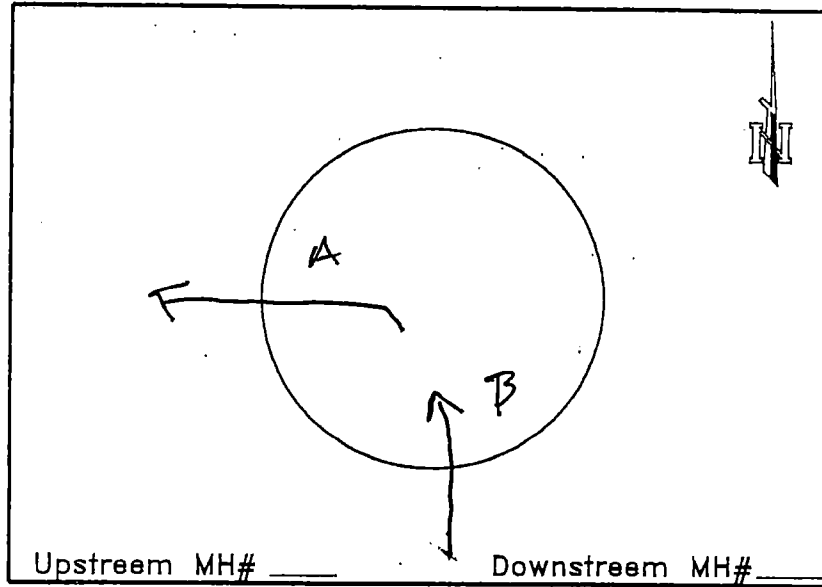
Location: FINK ST.

Basin: 10

MH No. 1079

Date: 3-2 Time: _____

Inspector: (30)



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>7</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	P	7.	1			
B	6	C	7.	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other <u>DITCH</u>	

MANHOLE CONDITION	
<input checked="" type="checkbox"/> Good	
<input type="checkbox"/> Fair	
<input type="checkbox"/> Poor	
<input type="checkbox"/> Debris In Flowline	
<input type="checkbox"/> Debris on Bench	
<input type="checkbox"/> Evidence of Surcharge	
<input type="checkbox"/> Evidence of Infiltration	
<input type="checkbox"/> Other _____	

SOURCE OF LEAK	
<input type="checkbox"/> Main Line Pipe Penetrations	
<input type="checkbox"/> Service Penetrations	
<input type="checkbox"/> Manhole Joints	
<input type="checkbox"/> Cone Broken	
<input type="checkbox"/> Lid Broken	
<input type="checkbox"/> Lid Missing	
<input type="checkbox"/> Hole In Lid	
<input type="checkbox"/> Other _____	

REHABILITATION (in office)	
<input type="checkbox"/> Replace Manhole	
<input type="checkbox"/> Clean-out Manhole	
<input type="checkbox"/> Re-Build Bench	
<input type="checkbox"/> Replace Ring & Cover	
<input type="checkbox"/> Re-Grout Top Cone & Lid	
<input type="checkbox"/> Seal Inside of Manhole	
<input type="checkbox"/> Grout In Pipe Penetration	
<input type="checkbox"/> Other _____	

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

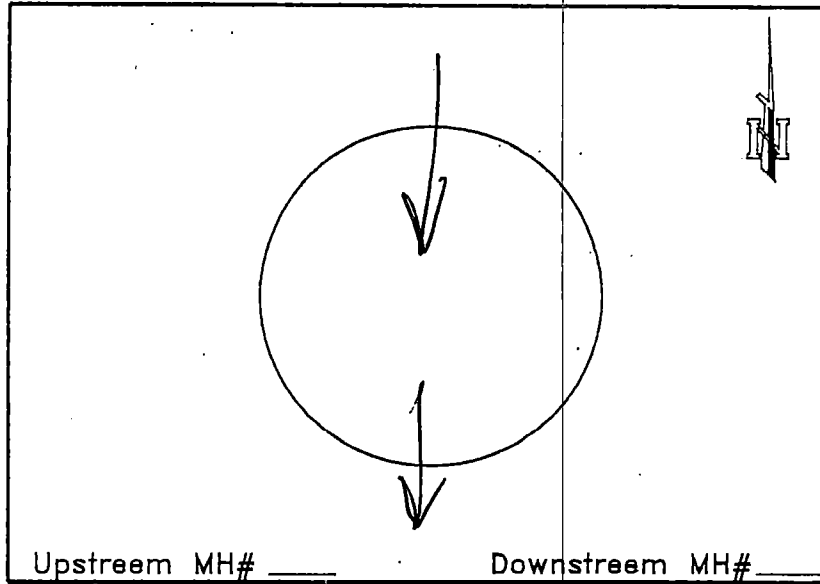
Location: OFF FINK.

Basin: 10

MH No. 1082

Date: 3-2 Time: _____

Inspector: RPD



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>4</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input type="checkbox"/> Asp. Pavement	<input type="checkbox"/> Yard <u>Field</u>
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	12	Tros	4	1			
B	12	1	4	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION	
<input checked="" type="checkbox"/> Good	
<input type="checkbox"/> Fair	
<input type="checkbox"/> Poor	
<input type="checkbox"/> Debris in Flowline	
<input type="checkbox"/> Debris on Bench	
<input type="checkbox"/> Evidence of Surcharge	
<input type="checkbox"/> Evidence of Infiltration	
<input type="checkbox"/> Other _____	

SOURCE OF LEAK	
<input type="checkbox"/> Main Line Pipe Penetrations	
<input type="checkbox"/> Service Penetrations	
<input type="checkbox"/> Manhole Joints	
<input type="checkbox"/> Cone Broken	
<input type="checkbox"/> Lid Broken	
<input type="checkbox"/> Lid Missing	
<input type="checkbox"/> Hole In Lid	
<input type="checkbox"/> Other _____	

REHABILITATION (in office)	
<input type="checkbox"/> Replace Manhole	
<input type="checkbox"/> Clean-out Manhole	
<input type="checkbox"/> Re-Build Bench	
<input type="checkbox"/> Replace Ring & Cover	
<input type="checkbox"/> Re-Grout Top Cone & Lid	
<input type="checkbox"/> Seal Inside of Manhole	
<input type="checkbox"/> Grout In Pipe Penetration	
Other _____	

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

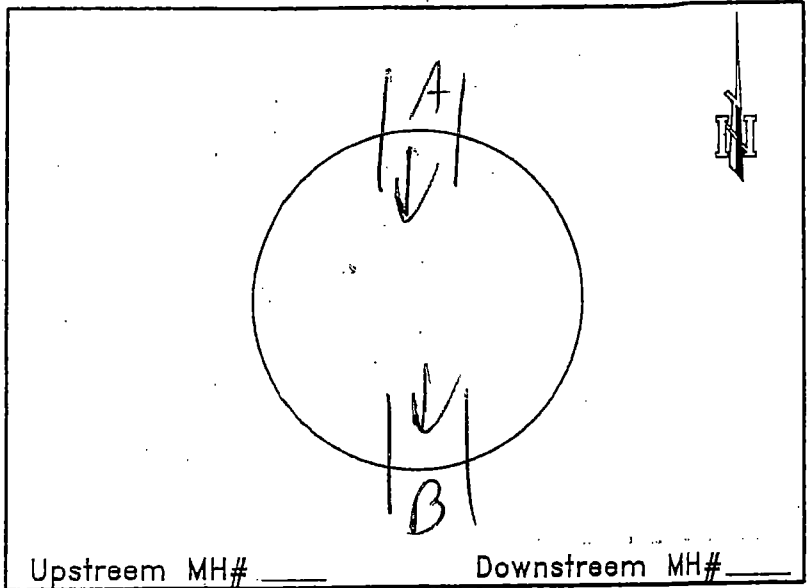
Location: ?

Basin: 15

MH No. 1084

Date: 7/23/10 Time: _____

Inspector: Roddy



TYPE OF MH

DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 4 1/2 ft. Depth
- Fiberglass
- Other 24 Lid Size

Upstream MH# _____

Downstream MH# _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	12	T/W	4.10	1			
B	12	T/W	4.10	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other _____

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

Added to DB.

MANHOLE EVALUATION

15

Project: Mena Utilities SSES

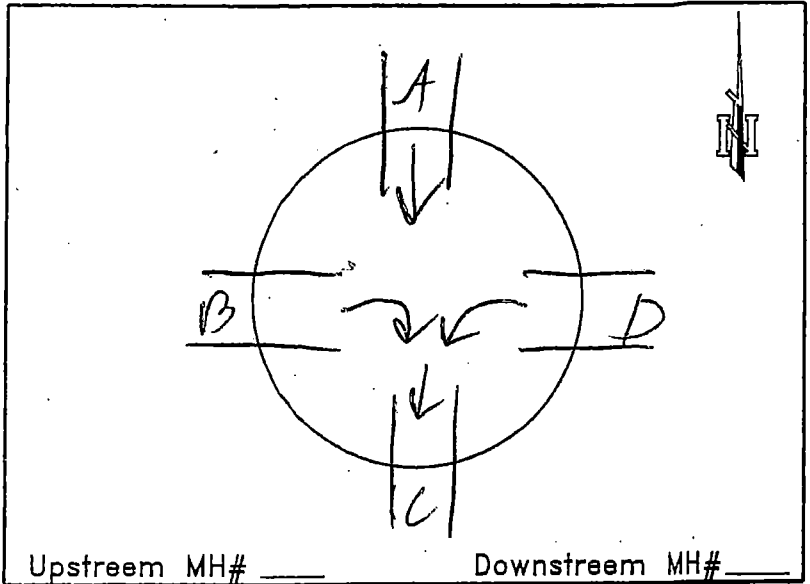
Location: ?

Basin: 15

MH No. 1093

Date: 7/23/10 Time: _____

Inspector: Bodey



TYPE OF MH

DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 7 ft. Depth
- Fiberglass
- Other 235 Lid Size

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other d.r.ch

COVER OVER MANHOLE

- Conc.Pavement
- Asph.Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other d.r.ch

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	PVC	7'	1			
B	10	PVC	7'	2			
C	10	PVC	7'	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole.
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

15

Project: Mena Utilities SSES

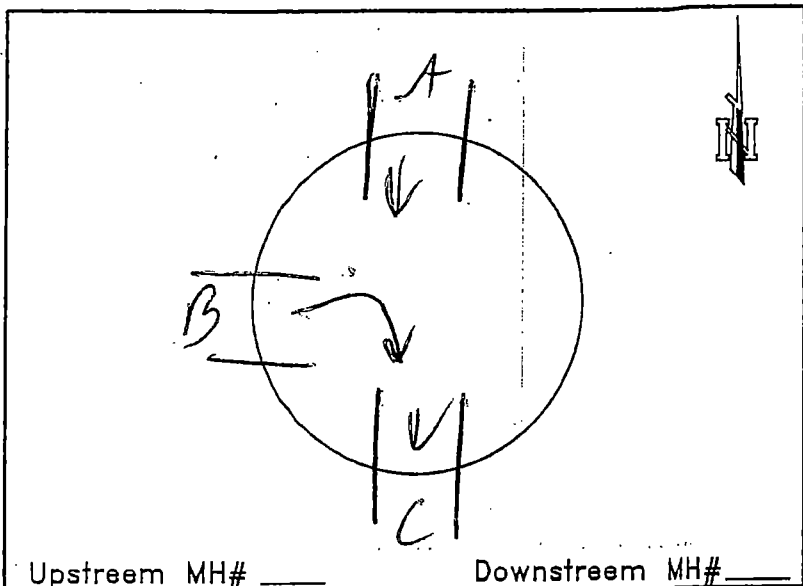
Location: ??

Basin: 15

MH No. 1098

Date: 7/22/10 Time: _____

Inspector: Booley



Upstream MH# _____ Downstream MH# _____

TYPE OF MH

DESCRIPTION

- Concrete _____ ft. Diameter
- Brick 1 1/2 ft. Depth
- Fiberglass 23 1/2 Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	12"	Cl	7	1			
B	10"	PVC	6	2			
C	12"	Cl	7	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

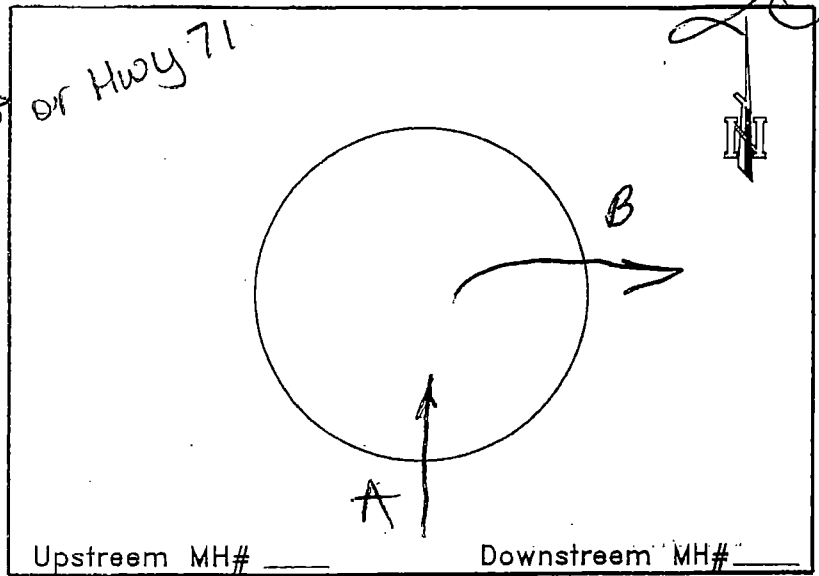
ADDITIONAL COMMENTS

145' Line Replacement
between #1098-1097
Completed yet?

MANHOLE EVALUATION

20

Project: Mena Utilities SSES
 Location: (20) CORNER OF GRIFFITH DRIVE & Hwy 71
 Basin: _____
 MH No. 1120
 Date: 8/10 Time: _____
 Inspector: (Signature)



TYPE OF MH

<input checked="" type="checkbox"/>	Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/>	Brick	<u>4'</u> ft. Depth
<input type="checkbox"/>	Fiberglass	
<input type="checkbox"/>	Other	<u>3 1/2</u> lid Size

TYPE OF PROPERTY

<input checked="" type="checkbox"/>	Residence	<input type="checkbox"/>	Trailer Park
<input type="checkbox"/>	Business	<input type="checkbox"/>	Vacant Lot
<input type="checkbox"/>	Apartment	<input type="checkbox"/>	Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	<u>8" ID</u>	<u>PVC</u>	<u>4'</u>	1			
B	<u>1</u>		<u>4'</u>	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

<input type="checkbox"/>	Conc. Pavement	<input type="checkbox"/>	Sidewalk
<input type="checkbox"/>	Asph. Pavement	<input checked="" type="checkbox"/>	Yard/Field
<input type="checkbox"/>	Gravel	<input type="checkbox"/>	Woods

Other _____

MANHOLE CONDITION

<input checked="" type="checkbox"/>	Good
<input type="checkbox"/>	Fair
<input type="checkbox"/>	Poor
<input type="checkbox"/>	Debris in Flowline
<input type="checkbox"/>	Debris on Bench
<input type="checkbox"/>	Evidence of Surcharge
<input type="checkbox"/>	Evidence of Infiltration
<input type="checkbox"/>	Other _____

SOURCE OF LEAK

<input type="checkbox"/>	Main Line Pipe Penitrations
<input type="checkbox"/>	Service Penitrations
<input type="checkbox"/>	Manhole Joints
<input type="checkbox"/>	Cone Broken
<input type="checkbox"/>	Lid Broken
<input type="checkbox"/>	Lid Missing
<input type="checkbox"/>	Hole In Lid
<input type="checkbox"/>	Other _____

REHABILITATION (in office)

<input type="checkbox"/>	Replace Manhole
<input type="checkbox"/>	Clean-out Manhole
<input type="checkbox"/>	Re-Build Bench
<input type="checkbox"/>	Replace Ring & Cover
<input type="checkbox"/>	Re-Grout Top Cone & Lid
<input type="checkbox"/>	Seal Inside of Manhole
<input type="checkbox"/>	Grout in Pipe Penetration
<input type="checkbox"/>	Other _____

ADDITIONAL COMMENTS

333' Replacement 8" between 1120-1119 Completed yet?

MANHOLE EVALUATION

20

Project: Mena Utilities SSES

Location: LAST M/H ON RODEO DR.

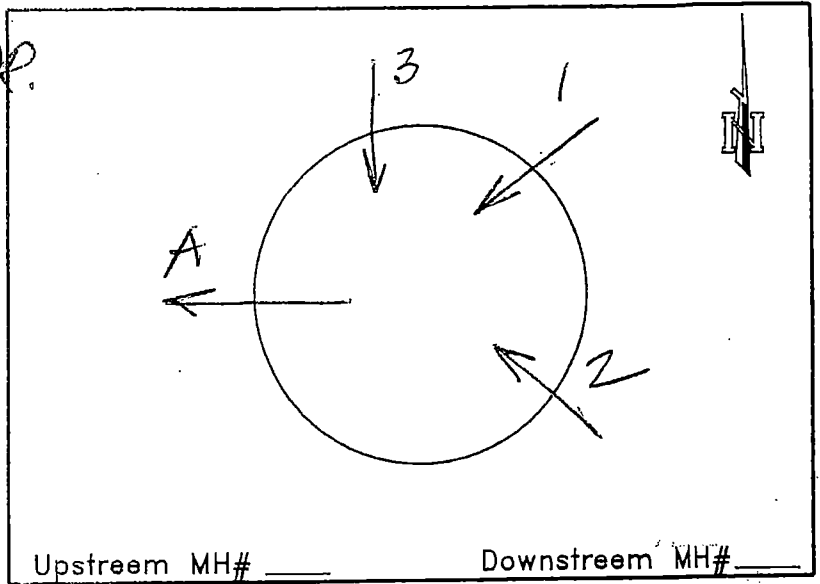
AAA 20

Basin: _____

MH No. 1123

Date: 8-5-10 Time: _____

Inspector: (Signature)



TYPE OF MH DESCRIPTION

- Concrete 23 1/2 ft. Diameter
- Brick 4 ft. Depth
- Fiberglass
- Other 23.5 Lid Size

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

COVER OVER MANHOLE

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	PVC	4	1	4	PVC	4
B				2	4	I	4
C				3	2	PVC	2
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION 20

Project: Mena Utilities SSES

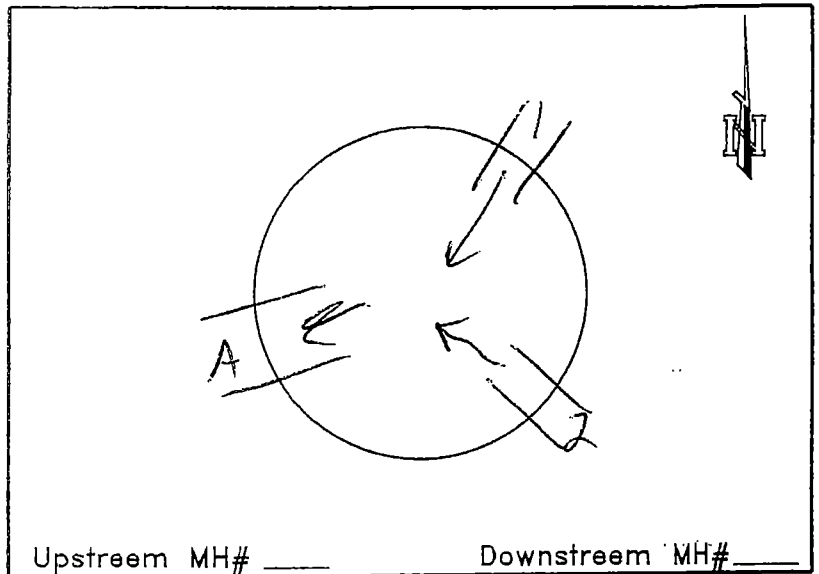
Location: _____

Basin: 20

MH No. 1126

Date: 7/30/10 Time: _____

Inspector: Boddy



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick 4 1/2 ft. Depth
- Fiberglass
- Other 23 1/2 Lid Size

Upstream MH# _____ Downstream MH# _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	A	PC	5	1	4"	PC	4 1/2
B				2	4"	PC	4 1/2
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other _____

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

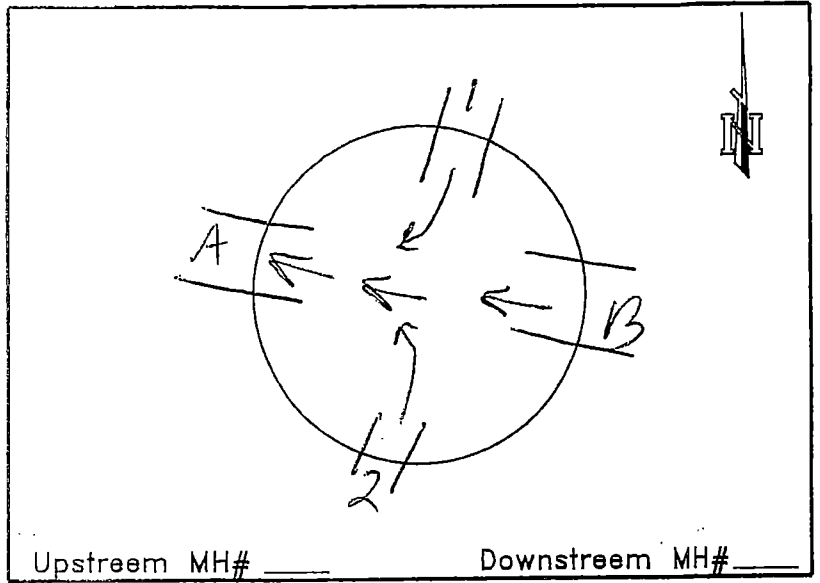
Location: 20

Basin: _____

MH No. 1131

Date: 7/30/10 Time: _____

Inspector: Roddy



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick 3 1/2 ft. Depth
- Fiberglass
- Other 23 1/2 Lid Size

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other Street

COVER OVER MANHOLE

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	PVC	4	1	4"	PVC	4
B	8	PVC	4	2	4"	PVC	4
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

EXHIBIT F
Manhole Evaluation Reports:
Improvements Recommended
(Complete Replacement)

ALL ON D.B.



MANHOLE EVALUATION REPORTS: IMPROVEMENTS RECOMMENDED COST SUMMARY

Manhole No.	Manhole Condition	Recommended Repair Method	Repair Cost
405	FAIR	Complete Replacement	\$2,500.00
406	FAIR	Complete Replacement	\$2,500.00
416	POOR	Complete Replacement	\$2,500.00
447		Complete Replacement	\$2,500.00
450		Complete Replacement	\$2,500.00
451		Complete Replacement	\$2,500.00
454		Complete Replacement	\$2,500.00
455		Complete Replacement	\$2,500.00
456		Complete Replacement	\$2,500.00
463	FAIR	Complete Replacement	\$2,500.00
465	FAIR	Complete Replacement	\$2,500.00
470	FAIR	Complete Replacement	\$2,500.00
471	FAIR	Complete Replacement	\$2,500.00
472	FAIR	Complete Replacement	\$2,500.00
473	POOR	Complete Replacement	\$2,500.00
474	FAIR	Complete Replacement	\$2,500.00
491	POOR	Complete Replacement	\$2,500.00
493	FAIR	Complete Replacement	\$2,500.00
495	FAIR	Complete Replacement	\$2,500.00
496	POOR	Complete Replacement	\$2,500.00
498	POOR	Complete Replacement	\$2,500.00
500	POOR	Complete Replacement	\$2,500.00
507	POOR	Complete Replacement	\$2,500.00
508	POOR	Complete Replacement	\$2,500.00
509	POOR	Complete Replacement	\$2,500.00
510	POOR	Complete Replacement	\$2,500.00
512	POOR	Complete Replacement	\$2,500.00
515	POOR	Complete Replacement	\$2,500.00
516	FAIR	Complete Replacement	\$2,500.00
519	FAIR	Complete Replacement	\$2,500.00
520	FAIR	Complete Replacement	\$2,500.00
521	POOR	Complete Replacement	\$2,500.00

Rehab completed on MH 447

516, 519, 520 still needs repair

MANHOLE EVALUATION REPORTS: IMPROVEMENTS RECOMMENDED COST SUMMARY

Manhole No.	Manhole Condition	Recommended Repair Method	Repair Cost
522	FAIR	Complete Replacement	\$2,500.00
523	POOR	Complete Replacement	\$2,500.00
524	POOR	Complete Replacement	\$2,500.00
526	POOR	Complete Replacement	\$2,500.00
528	FAIR	Complete Replacement	\$2,500.00
530	POOR	Complete Replacement	\$2,500.00
531	FAIR	Complete Replacement	\$2,500.00
532	FAIR	Complete Replacement	\$2,500.00
545	FAIR	Complete Replacement	\$2,500.00
546	FAIR	Complete Replacement	\$2,500.00
547	FAIR	Complete Replacement	\$2,500.00
548	POOR	Complete Replacement	\$2,500.00
549	POOR	Complete Replacement	\$2,500.00
550	POOR	Complete Replacement	\$2,500.00
904	FAIR	Complete Replacement	\$2,500.00
906	FAIR	Complete Replacement	\$2,500.00
933	FAIR	Complete Replacement	\$2,500.00
934	FAIR	Complete Replacement	\$2,500.00
938	FAIR	Complete Replacement	\$2,500.00
939	FAIR	Complete Replacement	\$2,500.00
944 1/4	POOR	Complete Replacement	\$2,500.00
954	POOR	Complete Replacement	\$2,500.00
957	FAIR	Complete Replacement	\$2,500.00
958	FAIR	Complete Replacement	\$2,500.00
959	FAIR	Complete Replacement	\$2,500.00
962	FAIR	Complete Replacement	\$2,500.00
963	POOR	Complete Replacement	\$2,500.00
964	FAIR	Complete Replacement	\$2,500.00
965	POOR	Complete Replacement	\$2,500.00
966	POOR	Complete Replacement	\$2,500.00
968	POOR	Complete Replacement	\$2,500.00
969	FAIR	Complete Replacement	\$2,500.00

*5/1/20
road
repairs*

MANHOLE EVALUATION REPORTS: IMPROVEMENTS RECOMMENDED COST SUMMARY

Manhole No.	Manhole Condition	Recommended Repair Method	Repair Cost
970	FAIR	Complete Replacement	\$2,500.00
973	FAIR	Complete Replacement	\$2,500.00
974	FAIR	Complete Replacement	\$2,500.00
975	POOR	Complete Replacement	\$2,500.00
976	FAIR	Complete Replacement	\$2,500.00
1017	POOR	Complete Replacement	\$2,500.00
1019 3/4	POOR	Complete Replacement	\$2,500.00
1033	POOR	Complete Replacement	\$2,500.00
1038	POOR	Complete Replacement	\$2,500.00
1039	POOR	Complete Replacement	\$2,500.00
1041	FAIR	Complete Replacement	\$2,500.00
1041 B	POOR	Complete Replacement	\$2,500.00
1042	POOR	Complete Replacement	\$2,500.00
1055	POOR	Complete Replacement	\$2,500.00
1059	FAIR	RegROUT Top Cone & Lid	\$1,300.00
290	POOR	Seal Inside of Manhole	\$1,000.00
689	POOR	Seal Inside of Manhole	\$1,000.00
960	POOR	Seal Inside of Manhole	\$1,000.00
961	POOR	Seal Inside of Manhole	\$1,000.00
1019 1/4 B	POOR	Seal Inside of Manhole	\$1,000.00
1022	POOR	Seal Inside of Manhole	\$1,000.00
1068	POOR	Seal Inside of Manhole	\$1,000.00
1075	POOR	Seal Inside of Manhole	\$1,000.00
1048	POOR	Rebuild Bench	\$500.00
1048 B	POOR	Rebuild Bench	\$500.00
648	POOR	Grout in Pipe Penetration	\$150.00
513	FAIR	Grout in Pipe Penetration	\$150.00
891	POOR	Grout in Pipe Penetration	\$150.00
893	POOR	Grout in Pipe Penetration	\$150.00
898	POOR	Grout in Pipe Penetration	\$150.00
1019	POOR	Grout in Pipe Penetration	\$150.00
1021 1/4	POOR	Grout in Pipe Penetration	\$150.00

*stop
needs
repa. b*

*Rehab to
complete*

*Rehab
complete*

**MANHOLE EVALUATION REPORTS: IMPROVEMENTS RECOMMENDED
COST SUMMARY**

Manhole No.	Manhole Condition	Recommended Repair Method	Repair Cost
1028	POOR	Grout in Pipe Penetration	\$150.00
1054	POOR	Grout in Pipe Penetration	\$150.00
1074	POOR	Grout in Pipe Penetration	\$150.00
493 B	FAIR	Clean Out Manhole	\$100.00
504	FAIR	Clean Out & Replace Ring & Cover	\$350.00
506	FAIR	Clean Out Manhole	\$100.00
527	FAIR	Clean Out Manhole	\$100.00
Total			\$207,450.00

*Total
103*

My summary page
for this section

EXHIBIT F

MANHOLE EVALUATION REPORTS: IMPROVEMENTS RECOMMENDED (COMPLETE REPLACEMENT)

405

406

416

447 - Rehab completed

450

451

454

455

456

463

465

470

471

472

473

474

491

493

495

496

498

500

507

508

509

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512

516

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521

522

523

524

526

528

530

531

532

545

Previous recommendation - Install Internal lining - now comp. replacement

546

547

548

549

550

904

906

933

934

938

939

944 1/4

954

957

(628) 958 - prev. recomm. - Install internal lining - now complete replacement

959

962

963

964

965

966

968

969 - prev. recomm. - install internal lining - now comp. replacement

970

973

974

975

976

1017

1019 3/4

1033 - prev. recomm. - install internal lining - now comp. replacement

1038

1039

1041

1041 B

1042

1055

} Rehab. completed on all three

MANHOLE EVALUATION

7

Project: Mena Utilities SSES

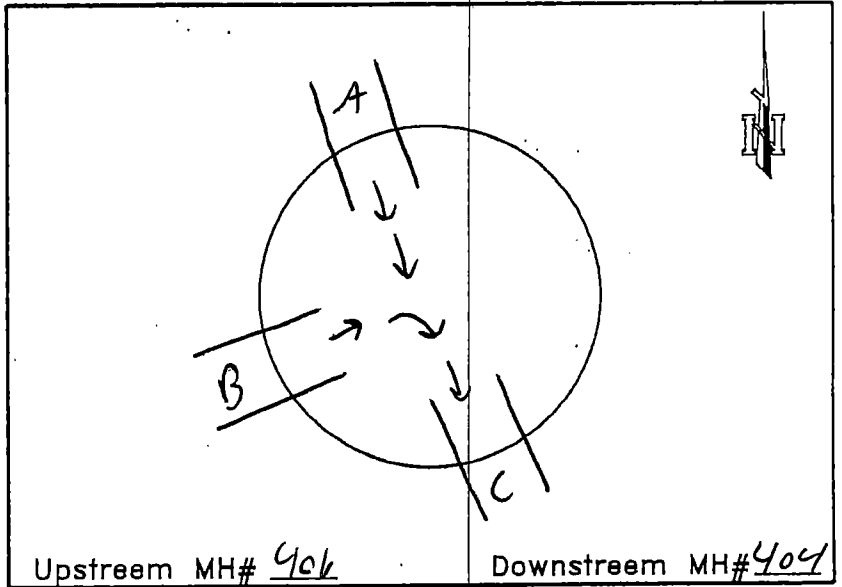
Location: POCT Aucinet 2 1st

Basin: 7

MH No. 405

Date: 3/2/11 Time: _____

Inspector: Rodey



Upstream MH# 406

Downstream MH# 404

TYPE OF MH DESCRIPTION

Concrete _____ ft. Diameter

Brick _____ ft. Depth

Fiberglass _____ Lid Size

Other _____

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other STREET

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	Tress	6	1			
B	10	Tress	12	2			
C	10	Tress	12	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc. Pavement Sidewalk

Asph. Pavement Yard/Field

Gravel Woods

Other _____

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations

Service Penetrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole in Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

Grout in Pipe Penetration

Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION 7

Project: Mena Utilities SSES

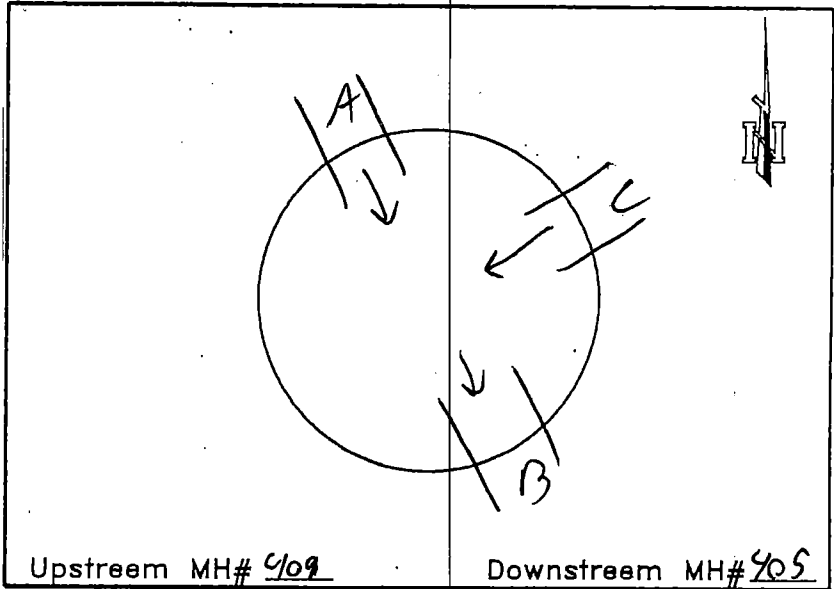
Location: Church 2.1ST

Basin: 7

MH No. 406

Date: 3/2/11 Time: _____

Inspector: Roddy



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>6</u> ft. Diameter
<input checked="" type="checkbox"/> Brick	<u>7</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>23 1/2</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY	
<input type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input checked="" type="checkbox"/> Other <u>Street</u>

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CL	7	1			
B	8	CL	7	2			
C	6	CL	7	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION	
<input type="checkbox"/> Good	
<input checked="" type="checkbox"/> Fair	
<input type="checkbox"/> Poor	
<input type="checkbox"/> Debris In Flowline	
<input type="checkbox"/> Debris on Bench	
<input type="checkbox"/> Evidence of Surcharge	
<input type="checkbox"/> Evidence of Infiltration	
<input type="checkbox"/> Other _____	

SOURCE OF LEAK	
<input type="checkbox"/> Main Line Pipe Penitrations	
<input type="checkbox"/> Service Penitrations	
<input type="checkbox"/> Manhole Joints	
<input type="checkbox"/> Cone Broken	
<input type="checkbox"/> Lid Broken	
<input type="checkbox"/> Lid Missing	
<input type="checkbox"/> Hole In Lid	
<input type="checkbox"/> Other _____	

REHABILITATION (in office)	
<input checked="" type="checkbox"/> Replace Manhole	
<input type="checkbox"/> Clean-out Manhole	
<input type="checkbox"/> Re-Build Bench	
<input type="checkbox"/> Replace Ring & Cover	
<input type="checkbox"/> Re-Grout Top Cone & Lid	
<input type="checkbox"/> Seal Inside of Manhole	
<input type="checkbox"/> Grout in Pipe Penetration	
<input type="checkbox"/> Other _____	

ADDITIONAL COMMENTS _____

XXX

MANHOLE EVALUATION

Project: Mena Utilities SSES

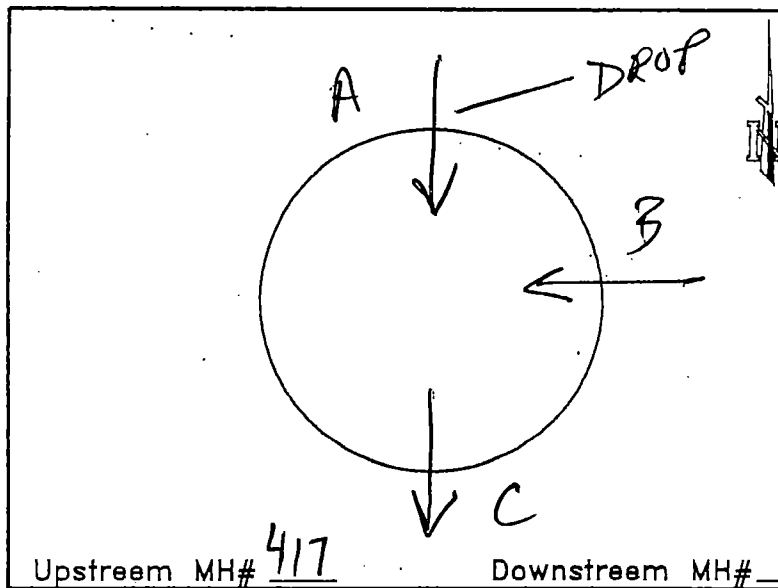
Location: HICKORY # 2

Basin: 6

MH No. 416

Date: 3-2 Time: _____

Inspector: (BA)



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input checked="" type="checkbox"/> Brick <u>RED</u>	<u>7</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A	8	C	7	1			
B	8	C	7	2			
C	8	C	7	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ducti
C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & I
- Seal Inside of Manhole
- Grout In Pipe Penitratio
- Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

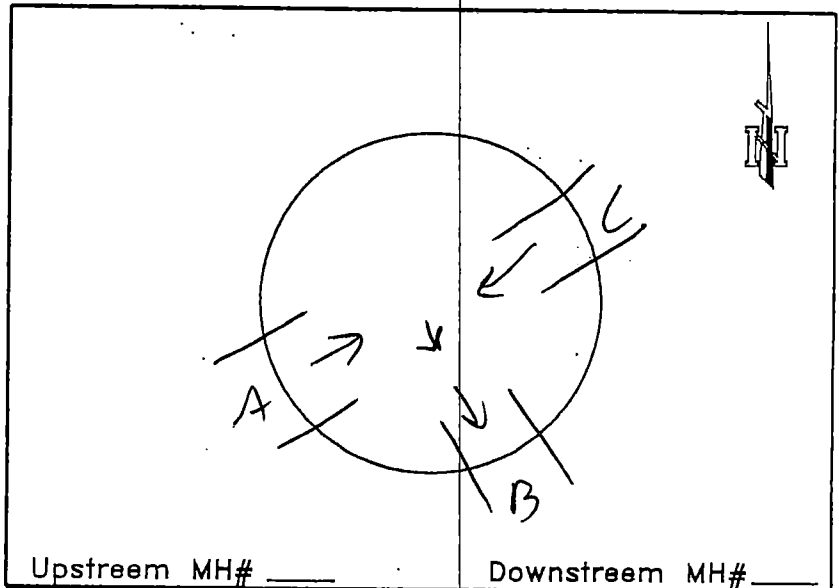
Location: 4th STREET NORTH EAST
CORNER OF SWEET PEAS PHOTOGRAPHY

Basin: 7

MH No. 447

Date: 3/2/11 Time: _____

Inspector: Bodey



TYPE OF MH **DESCRIPTION**

Concrete 6 ft. Diameter

Brick 4 ft. Depth

Fiberglass

Other 23 1/2 Lid Size

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other Street

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	CL	4	1			
B	12	C	4	2			
C	6	CL	4	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc. Pavement Sidewalk

Asp. Pavement Yard/Field

Gravel Woods

Other _____

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations

Service Penetrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole in Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

Grout in Pipe Penetration

Other _____

ADDITIONAL COMMENTS needs rehab

Rehab complete - 10/9/2010

MANHOLE EVALUATION



Project: Mena Utilities SSES

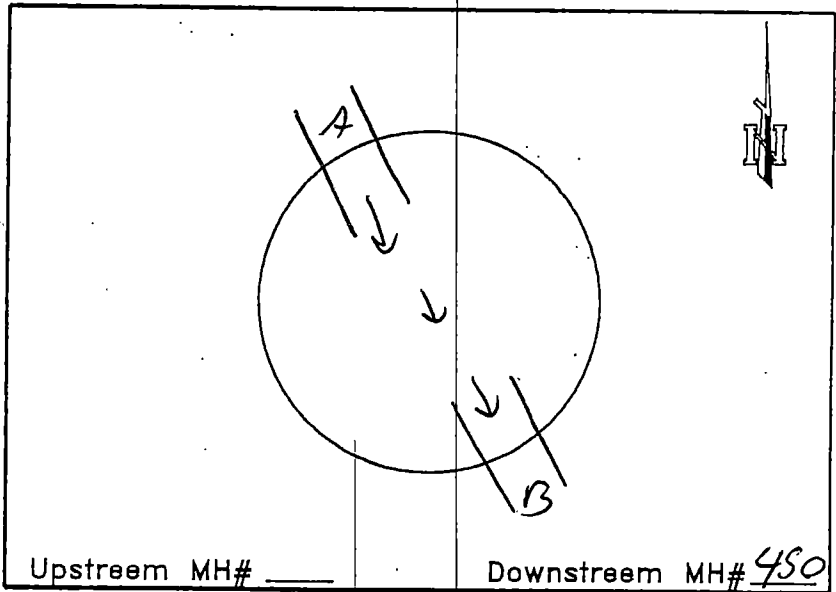
Location: ally between Janson & maple between 4th & 3rd

Basin: 7

MH No. 450

Date: 3/2/11 Time: _____

Inspector: Booley



TYPE OF MH

DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 3 1/2 ft. Depth
- Fiberglass
- Other 24 Lid Size

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other 9117

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	CL	3 1/2	1			
B	6	CL	3 1/2	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

- Conc.Pavement
- Asph.Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other: _____

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris In Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

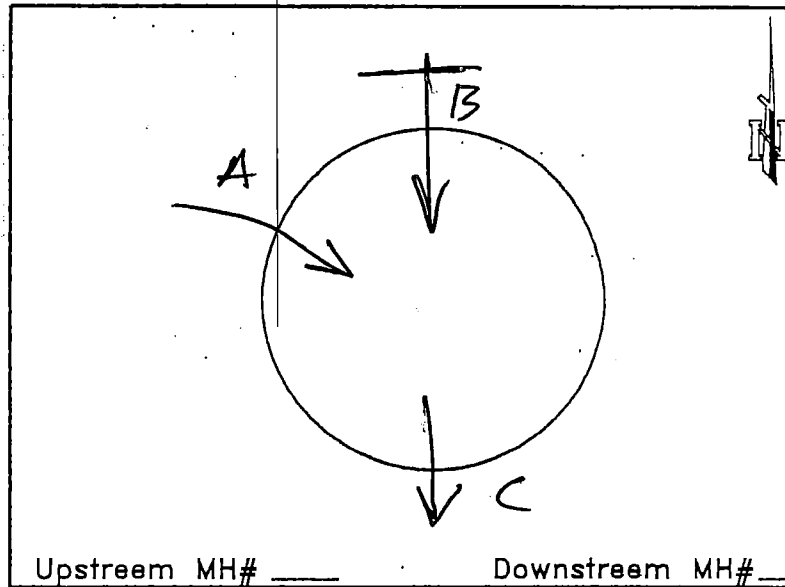
REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS Needs Re-lid

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: ALLEY BETWEEN 3 & 4 ON
CHURCH
 Basin: 6
 MH No. 451
 Date: 3-2 Time: _____
 Inspector: (BA)



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input checked="" type="checkbox"/> Brick <u>RED</u>	<u>3</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asp. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
B	6		3	2			
C	6		3	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile
C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surchage
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

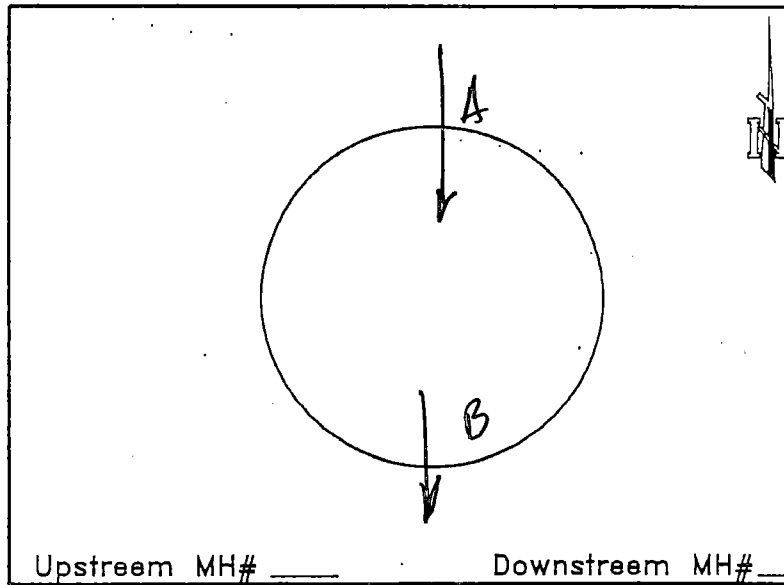
REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & L
- Seal Inside of Manhole
- Grout In Pipe Penitrator
- Other _____

ADDITIONAL COMMENTS NO APARINT INI BUT BAD M/H.

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: ALLEY BETWEEN MENA 54th
ON MAPLE
 Basin: 6
 MH No. 454
 Date: 3-2 Time: _____
 Inspector: (BFB)



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter
 Brick 7.6 ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods
 Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A	10	C	7.6	1			
B	10	I	1	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ducti
 C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

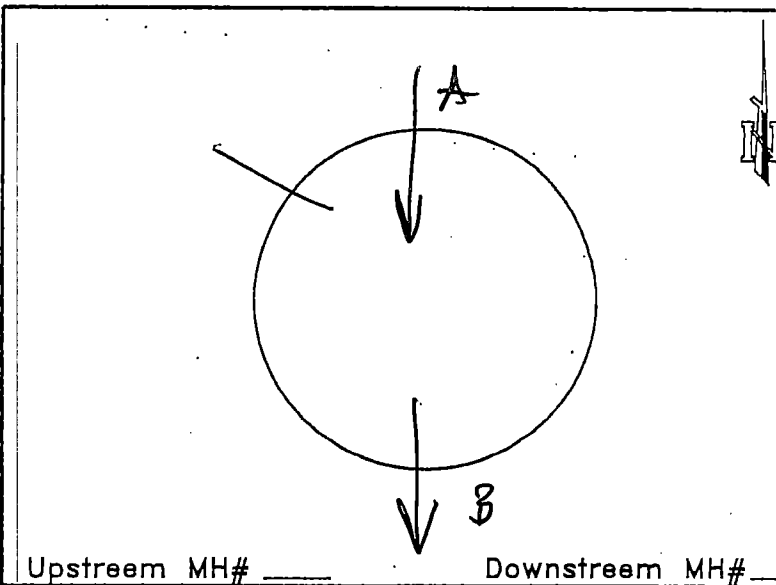
REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & I
 Seal Inside of Manhole
 Grout In Pipe Penitratio
 Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: PORT ARTHUR ALLEY BETWEEN
4th & MENA.
 Basin: 6
 MH No. 455
 Date: 3-2 Time: _____
 Inspector: (BB)



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter
 Brick 7 ft. Depth
 Fiberglass _____ Lid Size
 Other _____

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

Conc. Pavement Sidewalk
 Asp. Pavement Yard Field
 Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A	10	C	7	1	4	O.B.	3
B	1	C	7	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ducti
 C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & I
 Seal Inside of Manhole
 Grout In Pipe Penitratio
 Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

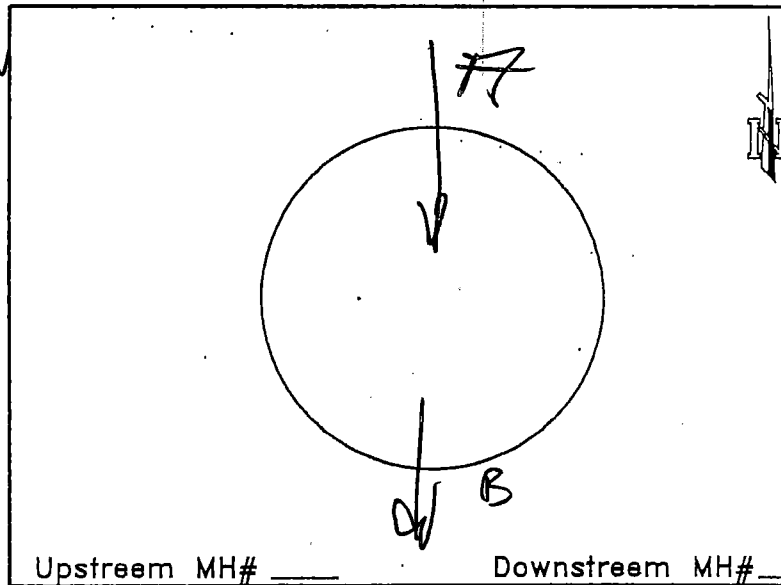
Location: ON CHURCH IN ALLEY BETWEEN
4 & MENA ST.

Basin: 6

MH No. 456

Date: 3-2 Time: _____

Inspector: (BB)



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input checked="" type="checkbox"/> Brick	<u>5.9</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____ Lid Size

TYPE OF PROPERTY	
<input type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input checked="" type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A	10	C	5.9	1			
B	1	C	5.9	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ducti
C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & I
- Seal Inside of Manhole
- Grout In Pipe Penetratio
- Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

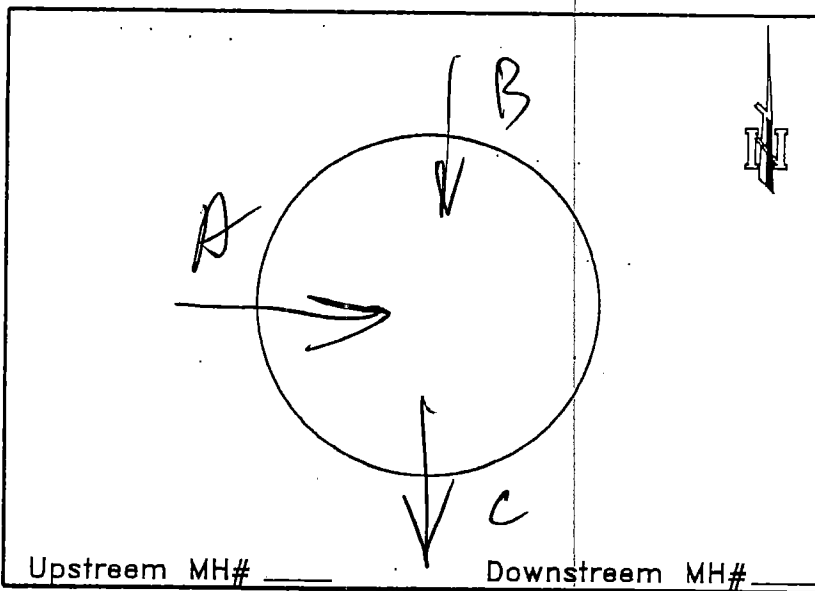
Location: 109 MEWA ST.

Basin: 6

MH No. 463

Date: 3-7 Time: _____

Inspector: BB



TYPE OF MH

DESCRIPTION

- | | | |
|-------------------------------------|------------------|------------------------|
| <input type="checkbox"/> | Concrete | <u>21</u> ft. Diameter |
| <input checked="" type="checkbox"/> | Brick <u>RED</u> | <u>6</u> ft. Depth |
| <input type="checkbox"/> | Fiberglass | _____ Lid Size |
| <input type="checkbox"/> | Other | _____ |

TYPE OF PROPERTY

- | | | | |
|-------------------------------------|-----------|--------------------------|--------------|
| <input checked="" type="checkbox"/> | Residence | <input type="checkbox"/> | Trailer Park |
| <input type="checkbox"/> | Business | <input type="checkbox"/> | Vacant Lot |
| <input type="checkbox"/> | Apartment | <input type="checkbox"/> | Other _____ |

COVER OVER MANHOLE

- | | | | |
|-------------------------------------|----------------|--------------------------|------------|
| <input type="checkbox"/> | Conc. Pavement | <input type="checkbox"/> | Sidewalk |
| <input checked="" type="checkbox"/> | Asph. Pavement | <input type="checkbox"/> | Yard/Field |
| <input type="checkbox"/> | Gravel | <input type="checkbox"/> | Woods |

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	CL	6	1			
B	6	1	1	2			
C	6	1	1	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- | | |
|-------------------------------------|--------------------------|
| <input type="checkbox"/> | Good |
| <input checked="" type="checkbox"/> | Fair |
| <input type="checkbox"/> | Poor |
| <input type="checkbox"/> | Debris in Flowline |
| <input type="checkbox"/> | Debris on Bench |
| <input type="checkbox"/> | Evidence of Surcharge |
| <input type="checkbox"/> | Evidence of Infiltration |
| <input type="checkbox"/> | Other _____ |

SOURCE OF LEAK

- | | |
|--------------------------|-----------------------------|
| <input type="checkbox"/> | Main Line Pipe Penetrations |
| <input type="checkbox"/> | Service Penetrations |
| <input type="checkbox"/> | Manhole Joints |
| <input type="checkbox"/> | Cone Broken |
| <input type="checkbox"/> | Lid Broken |
| <input type="checkbox"/> | Lid Missing |
| <input type="checkbox"/> | Hole in Lid |
| <input type="checkbox"/> | Other _____ |

REHABILITATION (in office)

- | | |
|-------------------------------------|---------------------------|
| <input checked="" type="checkbox"/> | Replace Manhole |
| <input type="checkbox"/> | Clean-out Manhole |
| <input type="checkbox"/> | Re-Build Bench |
| <input type="checkbox"/> | Replace Ring & Cover |
| <input type="checkbox"/> | Re-Grout Top Cone & Lid |
| <input type="checkbox"/> | Seal Inside of Manhole |
| <input type="checkbox"/> | Grout in Pipe Penetration |
| <input type="checkbox"/> | Other _____ |

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

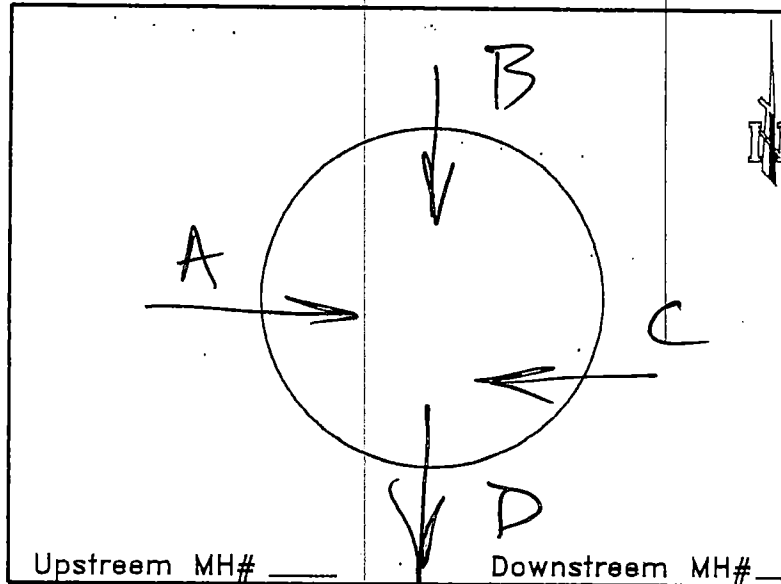
Location: SAMPSON & MENA ST.

Basin: _____

MH No. 465

Date: _____ Time: _____

Inspector: _____



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	_____ ft. Diameter
<input checked="" type="checkbox"/> Brick RED	_____ ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CL	5.8	1			
B	8	CL		2			
C	10	C		3			
D	10	C		4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile
C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & L
- Seal Inside of Manhole
- Grout In Pipe Penitrator
- Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

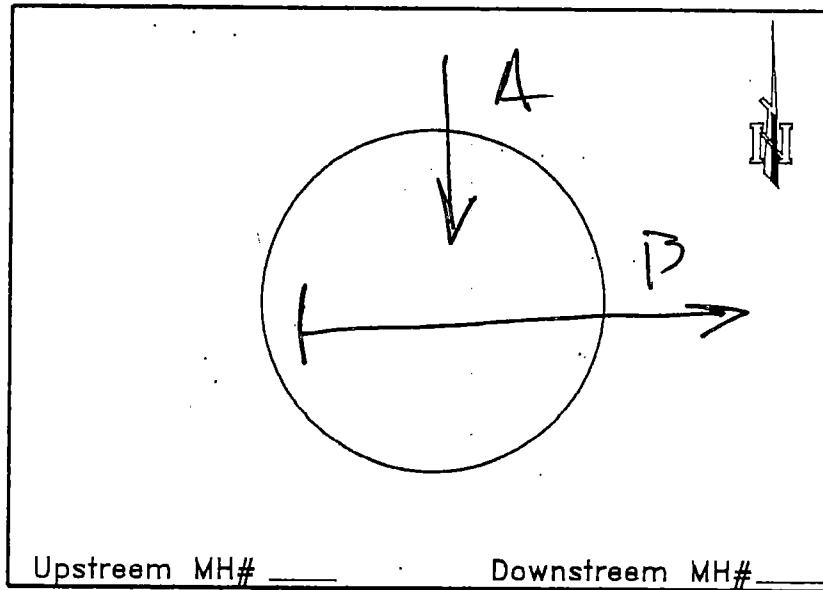
Location: 206 DEQUEN

Basin: 6

MH No. 470

Date: 3-7 Time: _____

Inspector: [Signature]



TYPE OF MH DESCRIPTION

<input type="checkbox"/>	Concrete	<u>4</u> ft. Diameter
<input checked="" type="checkbox"/>	Brick <u>RED</u>	<u>6</u> ft. Depth
<input type="checkbox"/>	Fiberglass	_____ Lid Size
<input type="checkbox"/>	Other	_____

TYPE OF PROPERTY

<input checked="" type="checkbox"/>	Residence	<input type="checkbox"/>	Trailer Park
<input type="checkbox"/>	Business	<input type="checkbox"/>	Vacant Lot
<input type="checkbox"/>	Apartment	<input type="checkbox"/>	Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CL	4	1			
B	8	1	1	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

<input type="checkbox"/>	Conc. Pavement	<input type="checkbox"/>	Sidewalk
<input checked="" type="checkbox"/>	Asph. Pavement	<input type="checkbox"/>	Yard/Field
<input type="checkbox"/>	Gravel	<input type="checkbox"/>	Woods

Other _____

MANHOLE CONDITION

<input type="checkbox"/>	Good
<input checked="" type="checkbox"/>	Fair
<input type="checkbox"/>	Poor
<input type="checkbox"/>	Debris in Flowline
<input type="checkbox"/>	Debris on Bench
<input type="checkbox"/>	Evidence of Surcharge
<input type="checkbox"/>	Evidence of Infiltration
<input type="checkbox"/>	Other _____

SOURCE OF LEAK

<input type="checkbox"/>	Main Line Pipe Penitrations
<input type="checkbox"/>	Service Penitrations
<input type="checkbox"/>	Manhole Joints
<input type="checkbox"/>	Cone Broken
<input type="checkbox"/>	Lid Broken
<input type="checkbox"/>	Lid Missing
<input type="checkbox"/>	Hole In Lid
<input type="checkbox"/>	Other _____

REHABILITATION (in office)

<input checked="" type="checkbox"/>	Replace Manhole
<input type="checkbox"/>	Clean-out Manhole
<input type="checkbox"/>	Re-Build Bench
<input type="checkbox"/>	Replace Ring & Cover
<input type="checkbox"/>	Re-Grout Top Cone & Lid
<input type="checkbox"/>	Seal Inside of Manhole
<input type="checkbox"/>	Grout In Pipe Penetration
<input type="checkbox"/>	Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

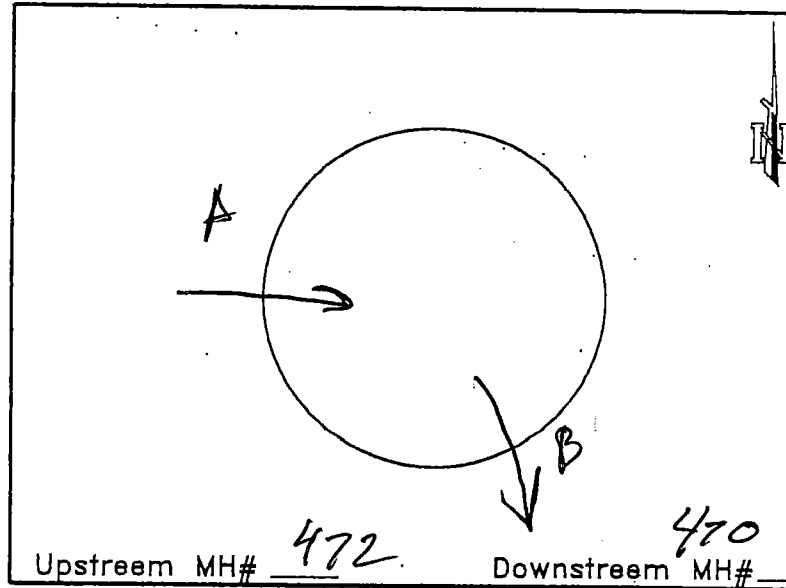
Location: MAGNOLIA & DEWEY.

Basin: 6

MH No. 471

Date: 3-7 Time: _____

Inspector: (Signature)



TYPE OF MH **DESCRIPTION**

Concrete _____ ft. Diameter

Brick RED 4.3 ft. Depth

Fiberglass _____

Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

COVER OVER MANHOLE

Conc.Pavement Sidewalk

Asph.Pavement Yard/Field

Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Dep
A	10	C	4.3	1			
B	10	CL	1	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductil
C-Concrete

MANHOLE CONDITION

Good

Fair

Poor

Debris In Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations

Service Penitrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & L

Seal Inside of Manhole

Grout in Pipe Penitrator

Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

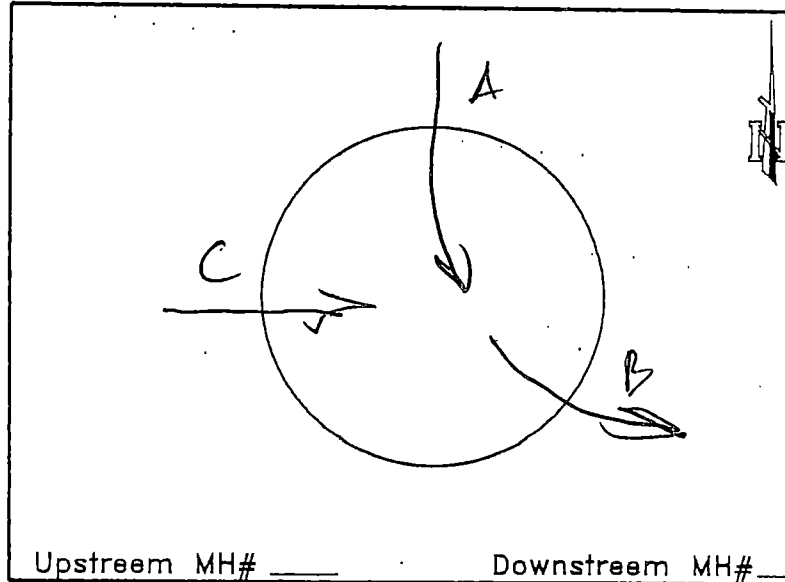
Location: 615 DENNEY

Basin: 6

MH No. 472

Date: 3-7 Time: _____

Inspector: (Signature)



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input checked="" type="checkbox"/> Brick	<u>6.0</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	C	6.0	1			
B	10	C	6.0	2			
C	10	CL	6.0	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductil
C-Concrete

COVER OVER MANHOLE	
<input type="checkbox"/> Conc.Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph.Pavement	<input type="checkbox"/> Yard/Field
<input checked="" type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole in Lid
- Other _____

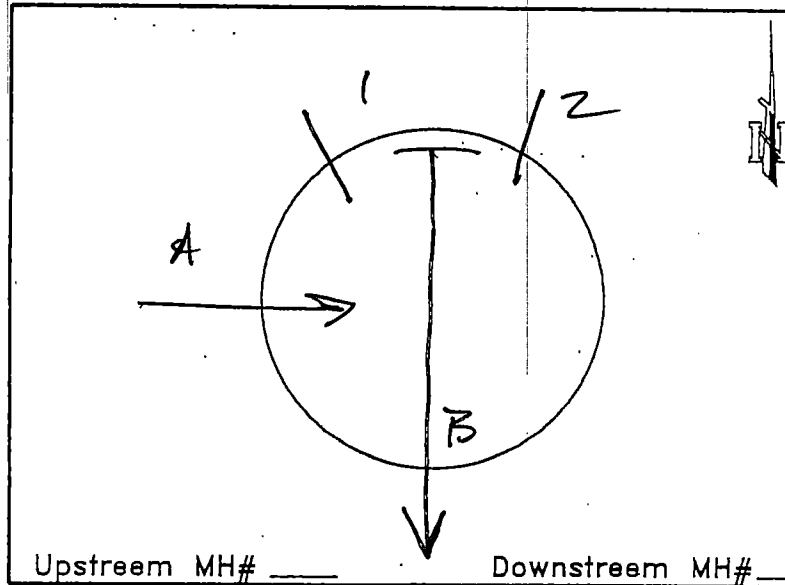
REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & L
- Seal Inside of Manhole
- Grout in Pipe Penitration
- Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: FLEMING & SAMPSON
 Basin: 6
 MH No. 473
 Date: 3-7 Time: _____
 Inspector: (Signature)



TYPE OF MH **DESCRIPTION**

Concrete _____ ft. Diameter
 Brick 6.5 ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CL	6.5	1	4	O.B	4
B	10	C	6.5	2	4	C	4
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductil
 C-Concrete

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & L
 Seal Inside of Manhole
 Grout In Pipe Penitrator
 Other _____

ADDITIONAL COMMENTS @ BASE OF M/H.

MANHOLE EVALUATION

Project: Mena Utilities SSES

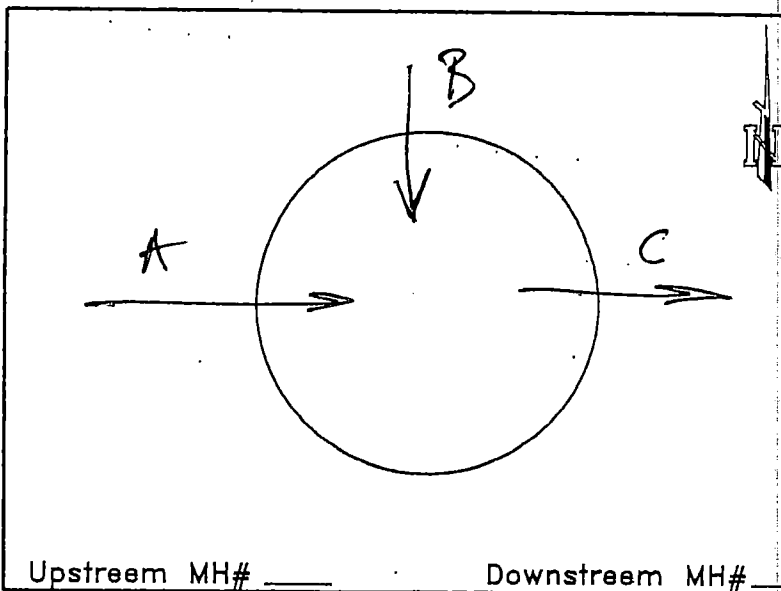
Location: 709 SAMPSON.

Basin: 6

MH No. 474

Date: 3-7 Time: _____

Inspector: (B/E)



Upstream MH# _____ Downstream MH# _____

TYPE OF MH DESCRIPTION

Concrete 4 ft. Diameter

Brick RED 6.4 ft. Depth

Fiberglass _____ Lid Size

Other _____

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

COVER OVER MANHOLE

Conc. Pavement Sidewalk

Asp. Pavement Yard/Field

Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	CL.	6.4	1			
B	6			2			
C	6			3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductil
C-Concrete

MANHOLE CONDITION

Good

Fair

Poor

Debris In Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations

Service Penitrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & L

Seal Inside of Manhole

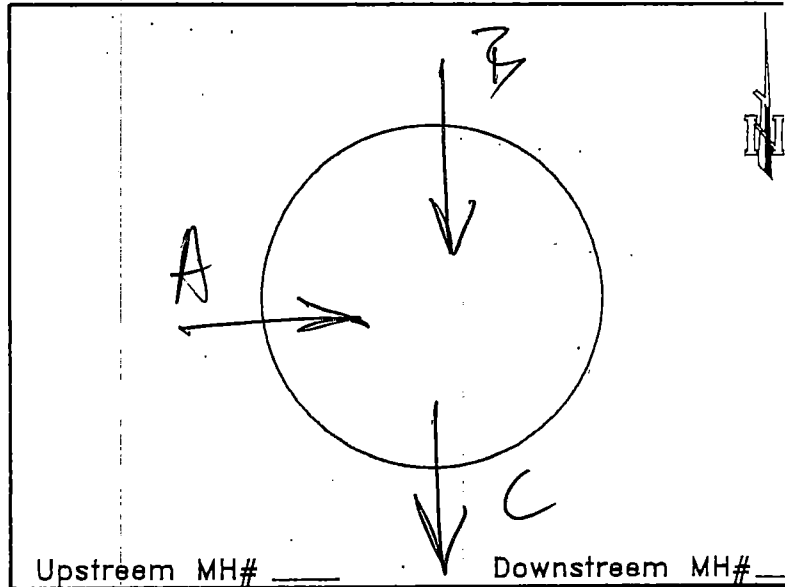
Grout in Pipe Penitrator

Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: ALLEY BETWEEN 7TH & DEQUEN
ON CHURCH.
 Basin: 6
 MH No. 491
 Date: 3-2 Time: _____
 Inspector: (BA)



TYPE OF MH DESCRIPTION

Concrete _____ ft. Diameter
 Brick RED _____ ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CL	5.0	1			
B	8	1	1	2			
C	8	1	1	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductil
 C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & L
 Seal Inside of Manhole
 Grout In Pipe Penitrator
 Other _____

ADDITIONAL COMMENTS BOTTOM COMP. GONE

MANHOLE EVALUATION

Project: Mena Utilities SSES

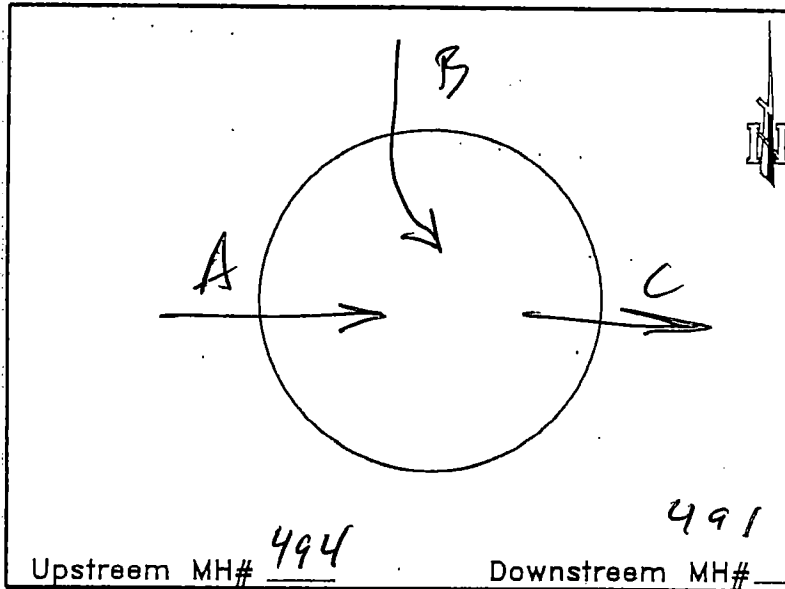
Location: CHURCH 5th

Basin: 6

MH No. 493

Date: 3-2 Time: _____

Inspector: (BA)



TYPE OF MH DESCRIPTION

- Concrete 16 ft. Diameter
- Brick 4 ft. Depth
- Fiberglass _____ Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	CL	4	1			
B	8	CL	4	2			
C	10	CL	4	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductil
C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris In Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & L
- Seal Inside of Manhole
- Grout in Pipe Penitrator
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

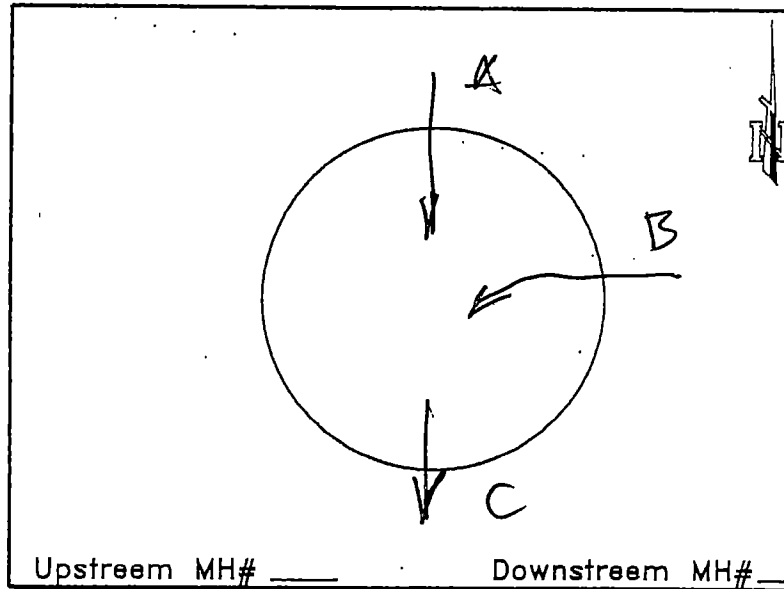
Location: _____

Basin: _____

MH No. 495

Date: _____ Time: _____

Inspector: _____



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input checked="" type="checkbox"/> Brick	<u>3.5</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____ Lid Size

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Traller Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Dep
A	6	CL	3.5	1			
B	6	PVC	1	2			
C	4	CL	1	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductil
C-Concrete

COVER OVER MANHOLE	
<input type="checkbox"/> Conc.Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asp.Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

MANHOLE CONDITION	
<input type="checkbox"/> Good	
<input checked="" type="checkbox"/> Fair	
<input type="checkbox"/> Poor	
<input type="checkbox"/> Debris in Flowline	
<input type="checkbox"/> Debris on Bench	
<input type="checkbox"/> Evidence of Surcharge	
<input type="checkbox"/> Evidence of Infiltration	
<input type="checkbox"/> Other _____	

SOURCE OF LEAK	
<input type="checkbox"/> Main Line Pipe Penitrations	
<input type="checkbox"/> Service Penitrations	
<input type="checkbox"/> Manhole Joints	
<input type="checkbox"/> Cone Broken	
<input type="checkbox"/> Lid Broken	
<input type="checkbox"/> Lid Missing	
<input type="checkbox"/> Hole In Lid	
<input type="checkbox"/> Other _____	

REHABILITATION (in office)	
<input checked="" type="checkbox"/> Replace Manhole	
<input type="checkbox"/> Clean-out Manhole	
<input type="checkbox"/> Re-Build Bench	
<input type="checkbox"/> Replace Ring & Cover	
<input type="checkbox"/> Re-Grout Top Cone & L	
<input type="checkbox"/> Seal Inside of Manhole	
<input type="checkbox"/> Grout In Pipe Penitrator	
Other _____	

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

VOID BETWEEN MAIN PIPE & BOTTOM. NEED TO RECHECK IN RAIN

Project: Mena Utilities SSES

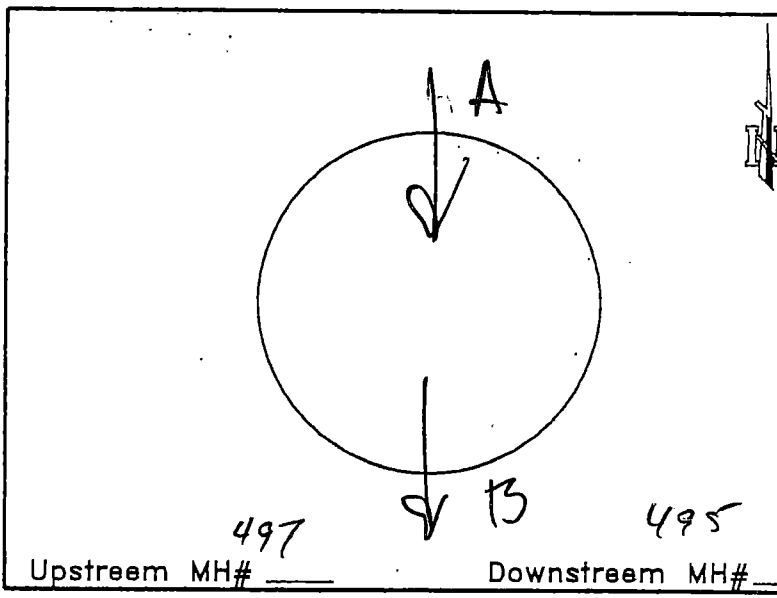
Location: 68-9 ON HICKORY

Basin: 6

MH No. 496

Date: _____ Time: _____

Inspector: _____



TYPE OF MH DESCRIPTION

Concrete _____ ft. Diameter

Brick 2.7 ft. Depth

Fiberglass _____ ft. Depth

Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A	6	CL	19 2.7	1			
B	6	CL	2.7	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ducti
C-Concrete

COVER OVER MANHOLE

Conc.Pavement Sidewalk

Asph.Pavement Yard/Field

Gravel Woods

Other _____

MANHOLE CONDITION

Good

Fair

Poor

Debris In Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations

Service Penitrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & I

Seal Inside of Manhole

Grout In Pipe Penitratio

Other _____

ADDITIONAL COMMENTS RECHECK. LOOKS BAD.

MANHOLE EVALUATION

Project: Mena Utilities SSES

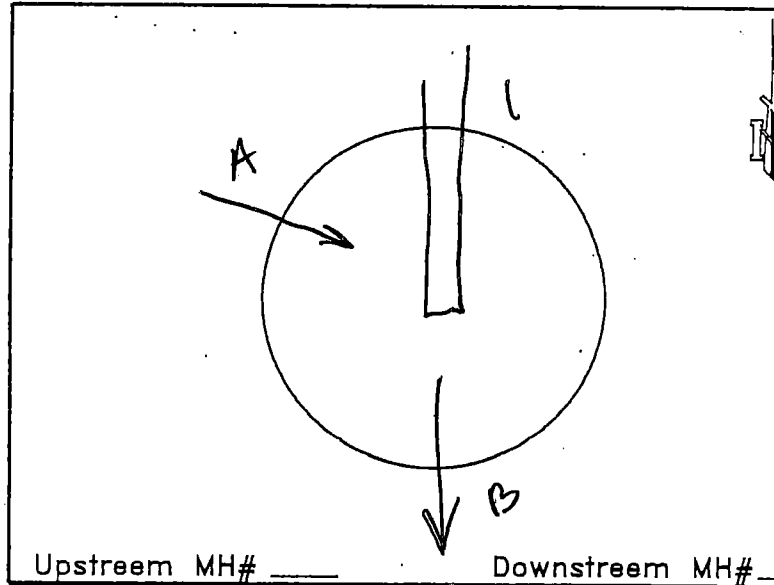
Location: 8th & ~~1st~~ MAGNOLIA

Basin: 6

MH No. 498

Date: 3-7-11 Time: _____

Inspector: [Signature]



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter

Brick 3 ft. Depth

Fiberglass

Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

COVER OVER MANHOLE

Conc. Pavement Sidewalk

Asph. Pavement Yard/Field

Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A	A	CL	3	1	1	Pvc	2
B	B	CL	3	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ducti
C-Concrete

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations

Service Penitrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone &

Seal Inside of Manhole

Grout In Pipe Penitratio

Other _____

ADDITIONAL COMMENTS BRICKS MISSING 4" ^{SERVICE} IN MAIN LINE OF FLOW.

NEEDS RECHECKED IN RAIN. NEED CLEANED OUT.

XXX

MANHOLE EVALUATION

Project: Mena Utilities SSES

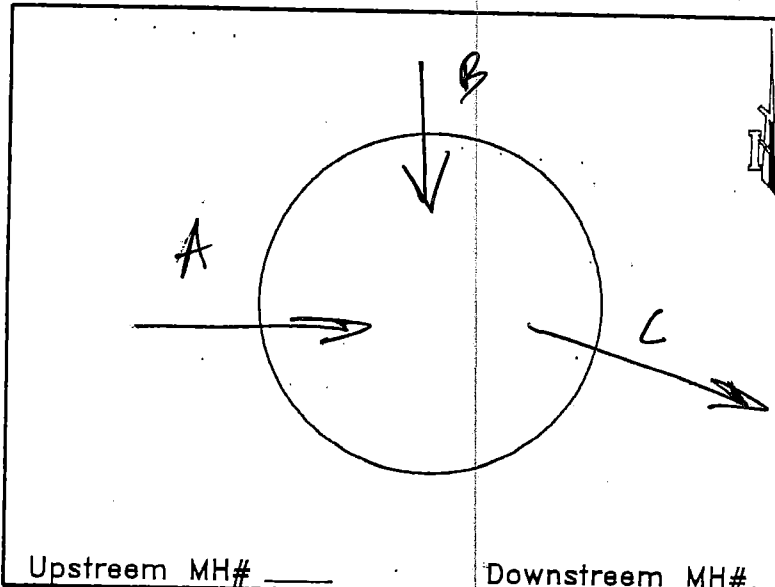
Location: MNT. VIEW & SOUTHERLAND.

Basin: 6

MH No. 500

Date: 3-7 Time: _____

Inspector: EW



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input checked="" type="checkbox"/> Brick <u>RED.</u>	<u>4.9</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>23 1/2</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A	8	CL	4.9	1			
B	6	1	1	2			
C	8			3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductil
C-Concrete

COVER OVER MANHOLE	
<input type="checkbox"/> Conc.Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asp.Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

MANHOLE CONDITION	
<input type="checkbox"/> Good	
<input type="checkbox"/> Fair	
<input checked="" type="checkbox"/> Poor	
<input type="checkbox"/> Debris In Flowline	
<input checked="" type="checkbox"/> Debris on Bench	
<input type="checkbox"/> Evidence of Surcharge	
<input checked="" type="checkbox"/> Evidence of Infiltration	
<input type="checkbox"/> Other _____	

SOURCE OF LEAK	
<input checked="" type="checkbox"/> Main Line Pipe Penitrations	
<input type="checkbox"/> Service Penitrations	
<input checked="" type="checkbox"/> Manhole Joints	
<input type="checkbox"/> Cone Broken	
<input type="checkbox"/> Lid Broken	
<input type="checkbox"/> Lid Missing	
<input type="checkbox"/> Hole In Lid	
<input type="checkbox"/> Other _____	

REHABILITATION (in office)	
<input checked="" type="checkbox"/> Replace Manhole	
<input checked="" type="checkbox"/> Clean-out Manhole	
<input checked="" type="checkbox"/> Re-Build Bench	
<input type="checkbox"/> Replace Ring & Cover	
<input type="checkbox"/> Re-Grout Top Cone & L	
<input checked="" type="checkbox"/> Seal Inside of Manhole	
<input type="checkbox"/> Grout in Pipe Penitrator	
Other _____	

ADDITIONAL COMMENTS _____

LEAK.

MANHOLE EVALUATION

Project: Mena Utilities SSES

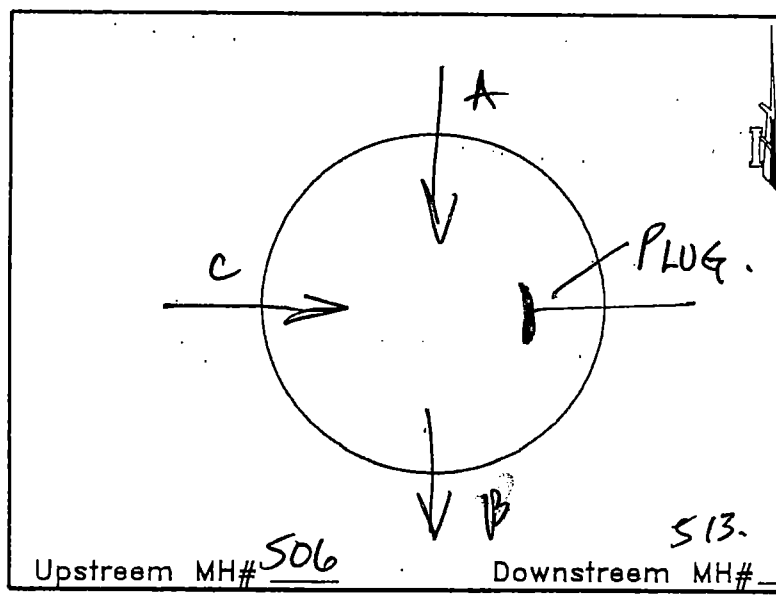
Location: ALLEY @ 10th & 11th ON HICKORY.

Basin: 6

MH No. 507

Date: _____ Time: _____

Inspector: (Signature)



TYPE OF MH DESCRIPTION

Concrete 4 ft. Diameter

Brick RED 5 ft. Depth

Fiberglass _____ Lid Size

Other _____ Lid Size

TYPE OF PROPERTY

Residence Traller Park

Business Vacant Lot

Apartment Other _____

COVER OVER MANHOLE

Conc. Pavement Sidewalk

Asph. Pavement Yard/Field

Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A	12	CL	5	1			
B	1	CL.		2			
C	8	CL.		3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ducti
C-Concrete

MANHOLE CONDITION

Good

Fair

Poor

Debris In Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations

Service Penitrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone &

Seal Inside of Manhole

Grout In Pipe Penitratio

Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

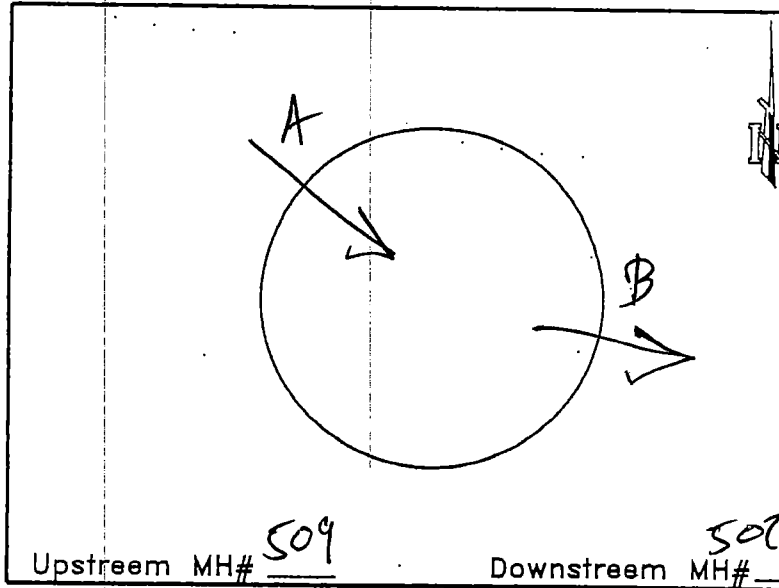
Location: HICKORY & 11th

Basin: 6

MH No. 508

Date: 3-7 Time: _____

Inspector: (Signature)



TYPE OF MH	DESCRIPTION
<input type="checkbox"/>	Concrete <u>4</u> ft. Diameter
<input checked="" type="checkbox"/>	Brick <u>OLD RED</u> <u>4</u> ft. Depth
<input type="checkbox"/>	Fiberglass _____ ft. Depth
<input type="checkbox"/>	Other _____ Lid Size

TYPE OF PROPERTY	
<input checked="" type="checkbox"/>	Residence <input type="checkbox"/> Trailer Park
<input type="checkbox"/>	Business <input type="checkbox"/> Vacant Lot
<input type="checkbox"/>	Apartment <input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input checked="" type="checkbox"/>	Conc. Pavement <input type="checkbox"/> Sidewalk
<input type="checkbox"/>	Asph. Pavement <input type="checkbox"/> Yard/Field
<input type="checkbox"/>	Gravel <input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A	8	CL	4	1			
B	8	CL	4	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductil
C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & L
- Seal Inside of Manhole
- Grout In Pipe Penitrator
- Other _____

ADDITIONAL COMMENTS _____

NEEDS REPAIRED

MANHOLE EVALUATION

Project: Mena Utilities SSES

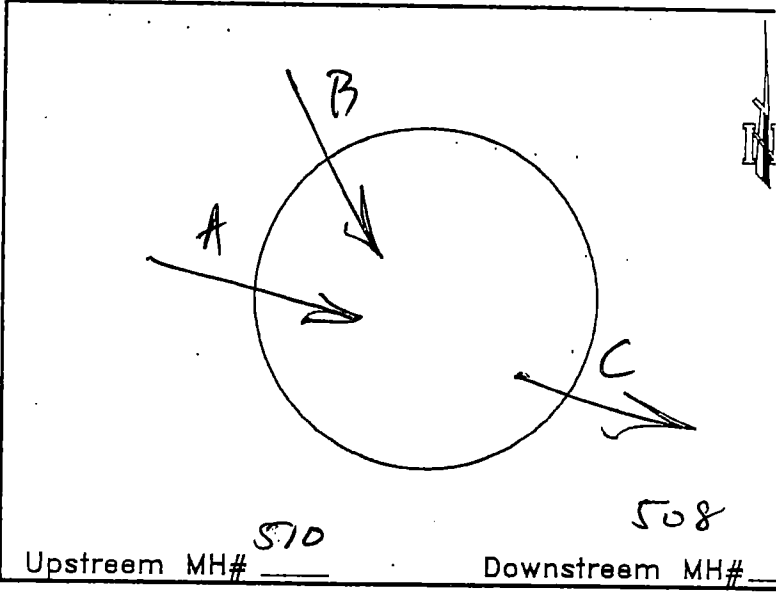
Location: Hickory & 11th

Basin: 6

MH No. 509

Date: 3-7 Time: _____

Inspector: [Signature]



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input checked="" type="checkbox"/> Brick RED	<u>5</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____ Lid Size

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CL	5	1			
B	1	1	1	2			
C	1	1	1	3			
D				4			

COVER OVER MANHOLE	
<input checked="" type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input type="checkbox"/> Asp. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductil
C-Concrete

MANHOLE CONDITION	
<input type="checkbox"/> Good	
<input type="checkbox"/> Fair	
<input checked="" type="checkbox"/> Poor	
<input type="checkbox"/> Debris In Flowline	
<input type="checkbox"/> Debris on Bench	
<input type="checkbox"/> Evidence of Surcharge	
<input type="checkbox"/> Evidence of Infiltration	
<input type="checkbox"/> Other _____	

SOURCE OF LEAK	
<input type="checkbox"/> Main Line Pipe Penitrations	
<input type="checkbox"/> Service Penitrations	
<input type="checkbox"/> Manhole Joints	
<input type="checkbox"/> Cone Broken	
<input type="checkbox"/> Lid Broken	
<input type="checkbox"/> Lid Missing	
<input type="checkbox"/> Hole In Lid	
<input type="checkbox"/> Other _____	

REHABILITATION (in office)	
<input checked="" type="checkbox"/> Replace Manhole	
<input type="checkbox"/> Clean-out Manhole	
<input type="checkbox"/> Re-Build Bench	
<input type="checkbox"/> Replace Ring & Cover	
<input type="checkbox"/> Re-Grout Top Cone & L	
<input type="checkbox"/> Seal Inside of Manhole	
<input type="checkbox"/> Grout in Pipe Penitrator	
<input type="checkbox"/> Other _____	

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

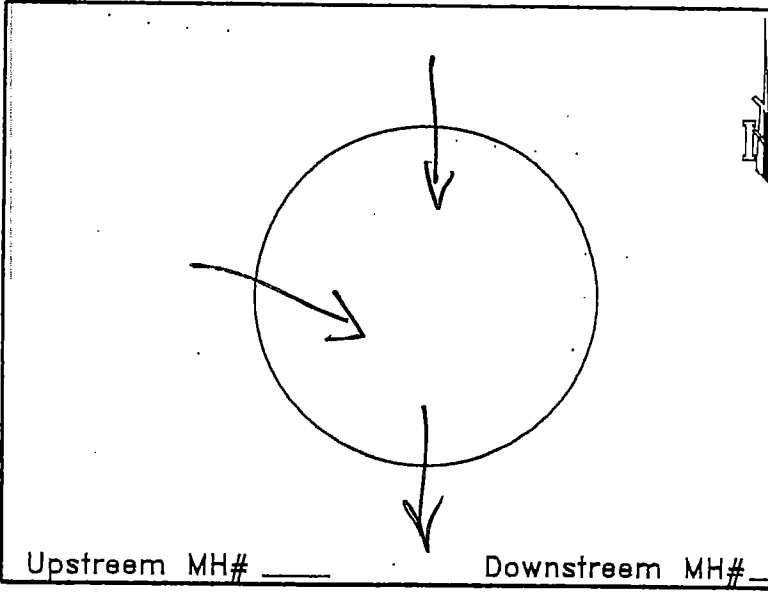
Location: 104 11th

Basin: 6

MH No. 510

Date: 1/10 Time: _____

Inspector: [Signature]



TYPE OF MH DESCRIPTION

Concrete _____ ft. Diameter

Brick RED _____ ft. Depth

Fiberglass _____ Lid Size

Other _____

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

COVER OVER MANHOLE

Conc. Pavement Sidewalk

Asph. Pavement Yard/Field

Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A				1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile
C-Concrete

MANHOLE CONDITION

Good

Fair

Poor

Debris In Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations

Service Penitrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & L

Seal Inside of Manhole

Grout In Pipe Penitrator

Other _____

ADDITIONAL COMMENTS

NEEDS VACED IN BAD WAY. / RECHECK AFTER CLEANED

781

MANHOLE EVALUATION

Project: Mena Utilities SSES

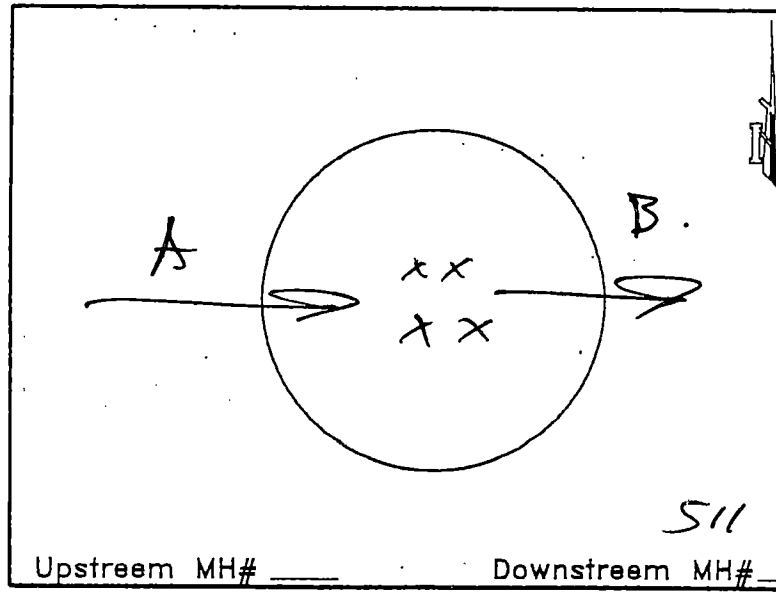
Location: 1306 HICKORY

Basin: 6

MH No. 512

Date: 3-7 Time: _____

Inspector: (BR)



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input checked="" type="checkbox"/> Brick <u>RED</u>	<u>3</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____ Lid Size

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A	6	CL	3	1			
B	6	CL	3	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ducti
C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris In Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone &
- Seal Inside of Manhole
- Grout In Pipe Penetratio
- Other _____

ADDITIONAL COMMENTS SEEPING FROM MAIN LINE @ PIPE & BASE (SMALL)

MANHOLE EVALUATION

Project: Mena Utilities SSES

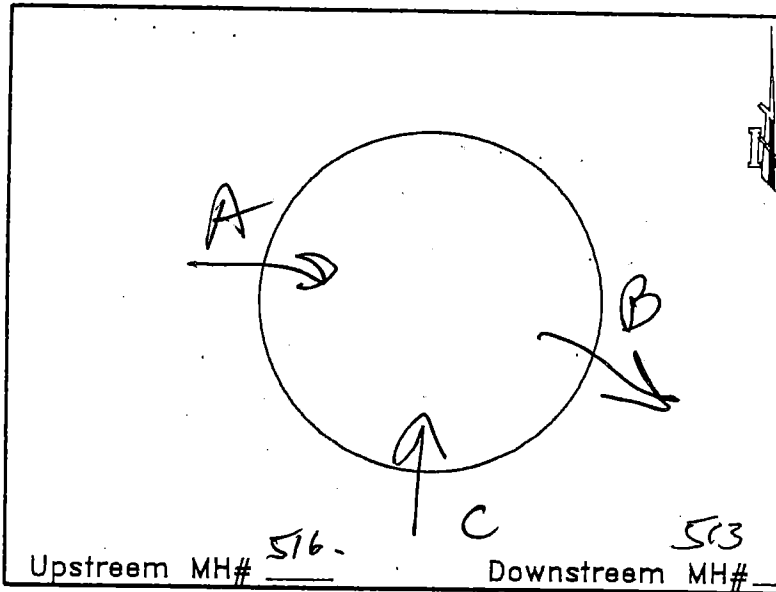
Location: _____

Basin: 6

MH No. 515

Date: 3-7 Time: _____

Inspector: [Signature]



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter

Brick RED 4 ft. Depth

Fiberglass

Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

COVER OVER MANHOLE

Conc. Pavement Sidewalk

Asp. Pavement Yard/Field

Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A	8	CL	4	1			
B	8		4	2			
C	6		4	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductil
C-Concrete

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations

Service Penitrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & L

Seal Inside of Manhole

Grout in Pipe Penitrator

Other _____

ADDITIONAL COMMENTS NEEDS CLEANED & SEALED.

Added to D.B.

NEEDS FACED OUT

MANHOLE EVALUATION

Project: Mena Utilities SSES

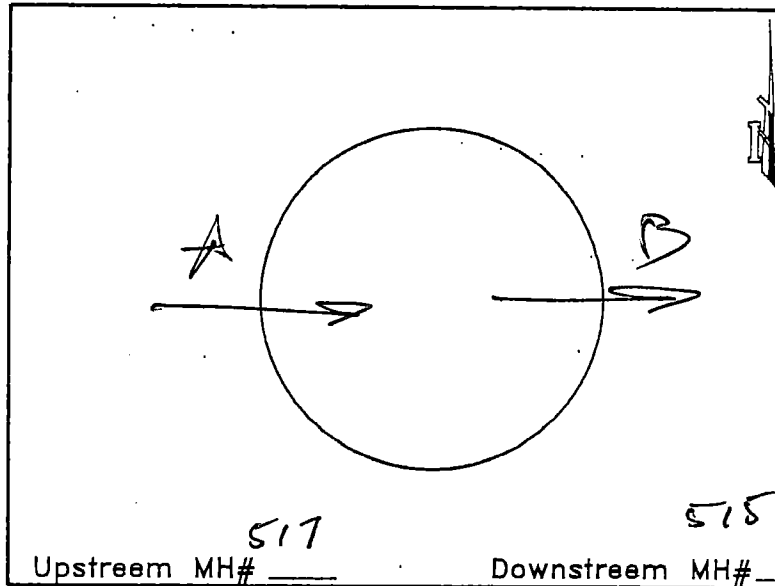
Location: TYLER S CHURCH

Basin: 6

MH No. 516

Date: 3-7 Time: _____

Inspector: (BIB)



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input checked="" type="checkbox"/> Brick <u>RED</u>	<u>4.4</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____ Lid Size

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A	<u>6</u>	<u>CL</u>	<u>4.4</u>	1			
B	<u>1</u>	<u>CL</u>	<u>1</u>	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ducti
C-Concrete

COVER OVER MANHOLE	
<input type="checkbox"/> Conc.Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph.Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & I
- Seal Inside of Manhole
- Grout in Pipe Penitratio
- Other _____

ADDITIONAL COMMENTS BASE OF M/H HAS SOME SEP FROM PIPE.

CHECK IN RAIN.

MANHOLE EVALUATION

Project: Mena Utilities SSES

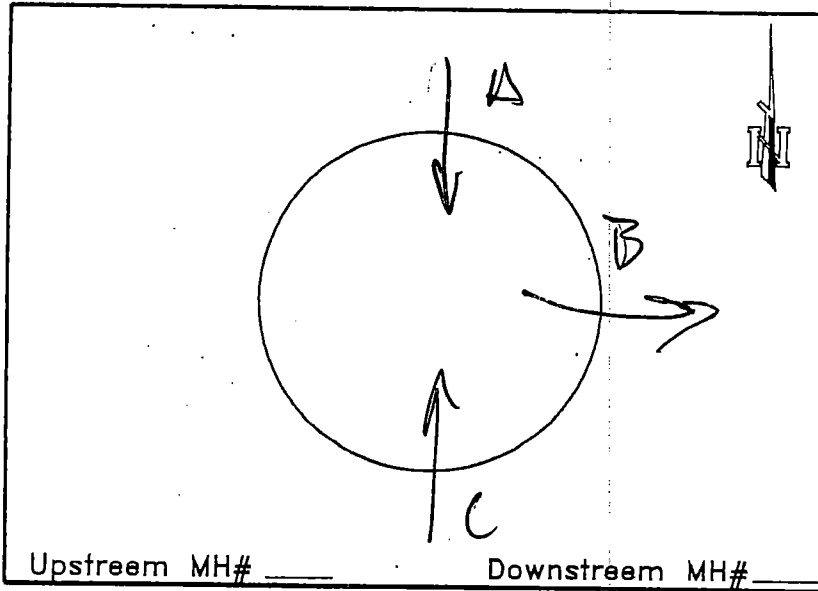
Location: CHURCH & REINE

Basin: 6

MH No. 579

Date: 3-7 Time: _____

Inspector: (Signature)



TYPE OF MH

Concrete
 Brick
 Fiberglass
 Other

DESCRIPTION

4 ft. Diameter
3 ft. Depth
 _____ Lid Size

TYPE OF PROPERTY

Residence
 Business
 Apartment

Traller Park
 Vacant Lot
 Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	CL	3.0	1			
B	6	1	1	2			
C	6	1	1	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc.Pavement
 Asph.Pavement
 Gravel

Sidewalk
 Yard/Field
 Woods

Other _____

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole in Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration

Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

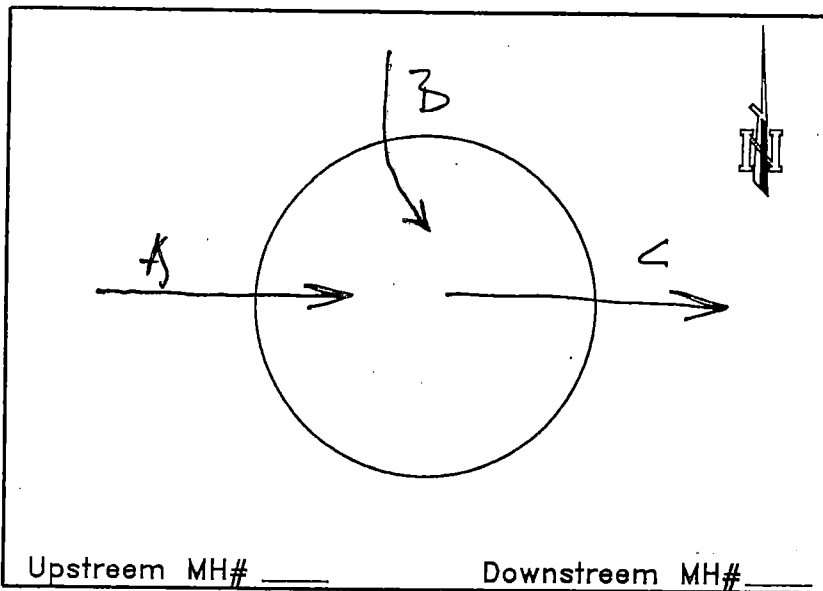
Location: CHURCH & WIMBERLY

Basin: 5

MH No. 520

Date: 2-23 Time: _____

Inspector: BB



Upstream MH# _____

Downstream MH# _____

TYPE OF MH

DESCRIPTION

- Concrete 4 ft. Diameter
 Brick 2.7 ft. Depth
 Fiberglass _____
 Other _____ Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	CLAY	2.7	1			
B	6			2			
C	6			3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

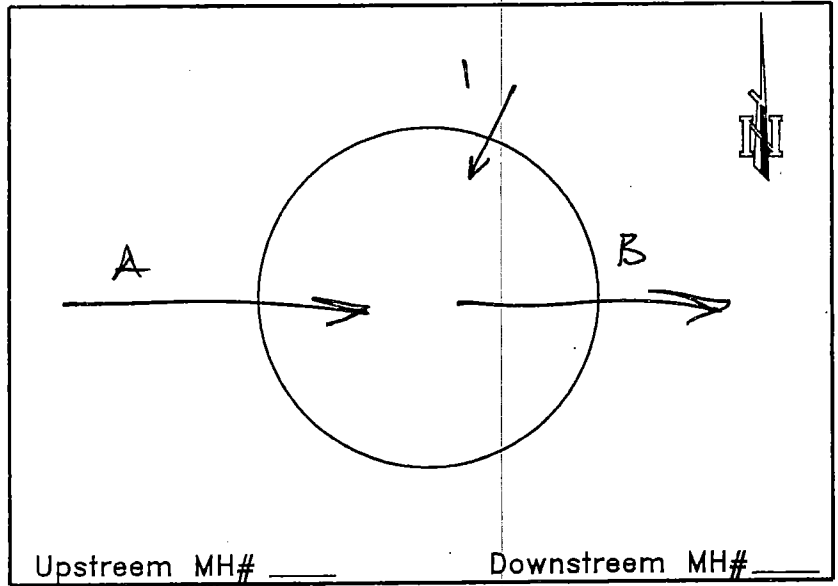
REHABILITATION (in office)

- Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Object: Mena Utilities SSES
 Location: 1804 CHURCH.
 Basin: 5
 MH No. 521
 Date: 2-23 Time: _____
 Inspector: (RB)



TYPE OF MH **DESCRIPTION**
 Concrete _____ ft. Diameter
 Brick 5.4 ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY
 Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	CLAY	5.4	1	4	ORG. BERG.	2.7
B	6		5.4	2			
C				3			
D				4			

PVC--Plastic, CI--Cast Iron, CL--Clay, DI--Ductile, C--Concrete

COVER OVER MANHOLE
 Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

MANHOLE CONDITION
 Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK
 Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other SERVICE LINE PEN.

REHABILITATION (in office)
 Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

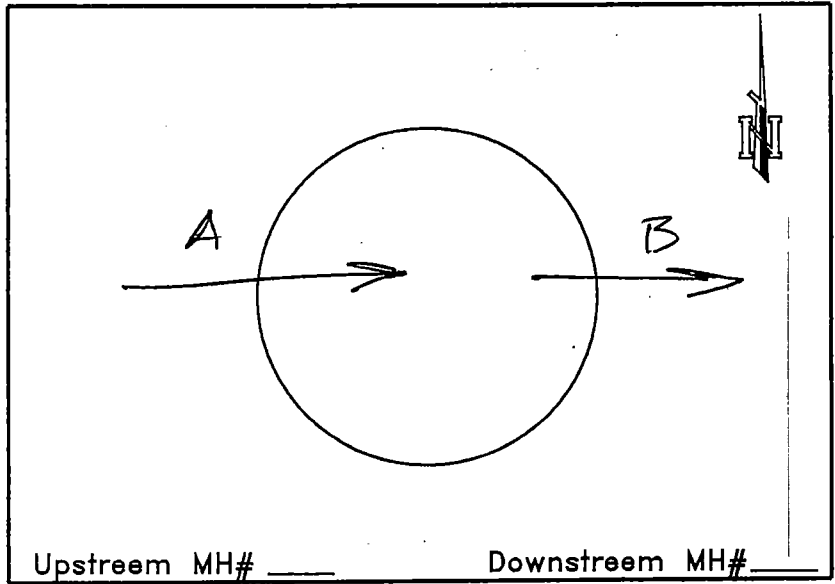
Location: 1905 CHURCH.

Basin: 5

MH No. 522

Date: _____ Time: _____

Inspector: _____



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input checked="" type="checkbox"/> Brick	<u>4.4</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____ Lid Size

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc.Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph.Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	<u>6</u>	<u>CLAY</u>	<u>4.4</u>	1			
B	<u>1</u>	<u>1</u>	<u>1</u>	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION	
<input type="checkbox"/> Good	
<input checked="" type="checkbox"/> Fair	
<input type="checkbox"/> Poor	
<input type="checkbox"/> Debris in Flowline	
<input type="checkbox"/> Debris on Bench	
<input type="checkbox"/> Evidence of Surcharge	
<input type="checkbox"/> Evidence of Infiltration	
<input type="checkbox"/> Other _____	

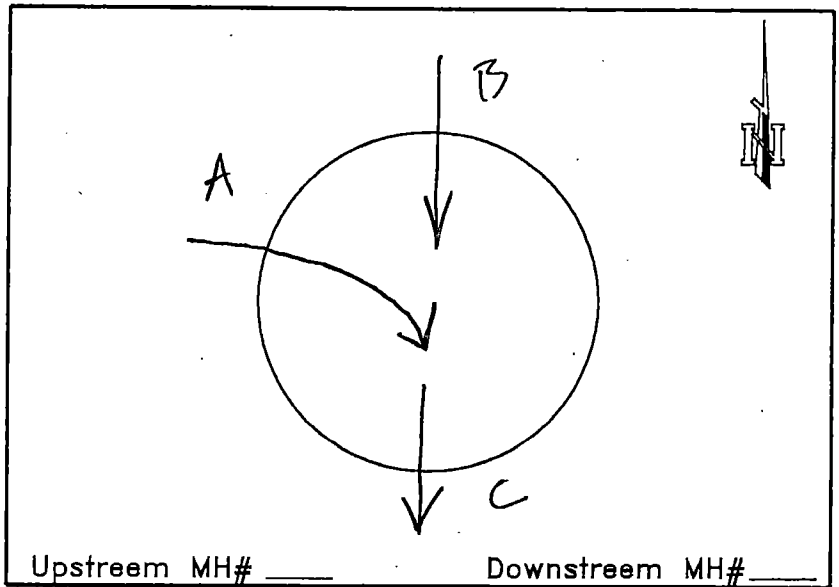
SOURCE OF LEAK	
<input type="checkbox"/> Main Line Pipe Penitrations	
<input type="checkbox"/> Service Penitrations	
<input type="checkbox"/> Manhole Joints	
<input type="checkbox"/> Cone Broken	
<input type="checkbox"/> Lid Broken	
<input type="checkbox"/> Lid Missing	
<input type="checkbox"/> Hole In Lid	
<input type="checkbox"/> Other _____	

REHABILITATION (in office)	
<input checked="" type="checkbox"/> Replace Manhole	
<input type="checkbox"/> Clean-out Manhole	
<input type="checkbox"/> Re-Build Bench	
<input type="checkbox"/> Replace Ring & Cover	
<input type="checkbox"/> Re-Grout Top Cone & Lid	
<input type="checkbox"/> Seal Inside of Manhole	
<input type="checkbox"/> Grout in Pipe Penetration	
<input type="checkbox"/> Other _____	

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Object: Mena Utilities SSES
 Location: SMITH & WIMBERLY
 Basin: 5
 MH No. 523
 Date: _____ Time: _____
 Inspector: _____



TYPE OF MH **DESCRIPTION**
 Concrete _____ ft. Diameter
 Brick 3.9 ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY
 Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	CLAY	3.9	1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE
 Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

MANHOLE CONDITION
 Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK
 Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

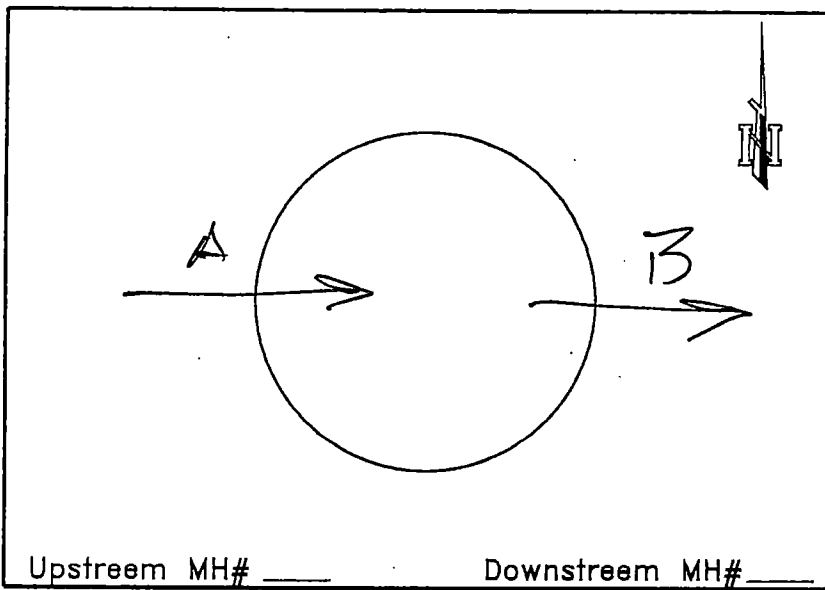
REHABILITATION (in office)
 Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS INI



MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: SMITH & S. POLK.
 Basin: _____
 MH No. 524
 Date: 2-23 Time: _____
 Inspector: (PAC)



TYPE OF MH DESCRIPTION

Concrete 4 ft. Diameter
 Brick 4.7 ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

Conc. Pavement Sidewalk
 Asp. Pavement Yard/Field
 Gravel Woods
 Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	CLAY	4.7	1			
B	6	1	1	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole in Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS

ROOT STARTING TO COME THROUGH BRICKS

MANHOLE EVALUATION

Project: Mena Utilities SSES

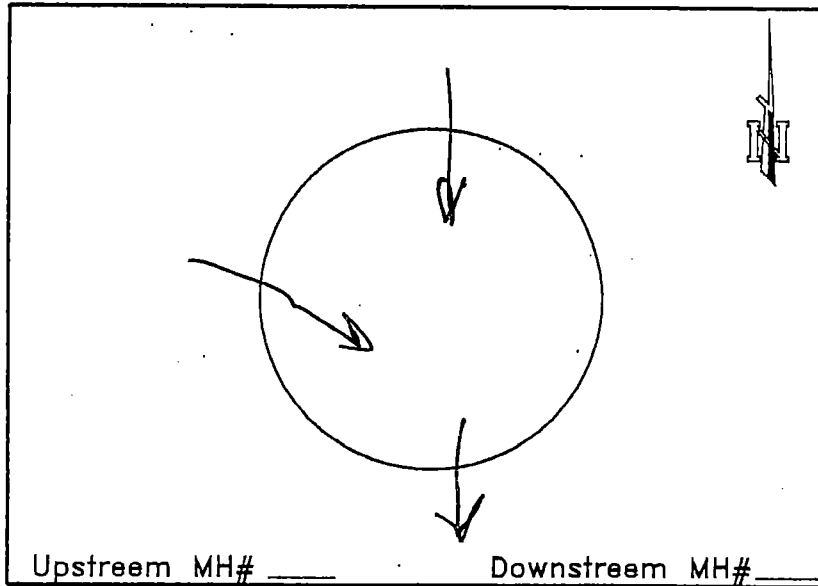
Location: CHURCH & REINE

Basin: 6

MH No. 526

Date: 3-7 Time: _____

Inspector: (Signature)



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input checked="" type="checkbox"/> Brick <u>RED</u>	<u>2</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____ Lid Size

TYPE OF PROPERTY

<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE

<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asp. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods

Other _____

Main Line	Size	Type	Depth	Service			
				Line	Size	Type	Depth
A	6	CL	2.0	1			
B	6	1	2.0	2			
C	6	1	2.0	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

<input type="checkbox"/> Good
<input type="checkbox"/> Fair
<input checked="" type="checkbox"/> Poor
<input type="checkbox"/> Debris in Flowline
<input checked="" type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surchage
<input type="checkbox"/> Evidence of Infiltration
<input type="checkbox"/> Other _____

SOURCE OF LEAK

<input type="checkbox"/> Main Line Pipe Penitrations
<input type="checkbox"/> Service Penitrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole In Lid
<input type="checkbox"/> Other _____

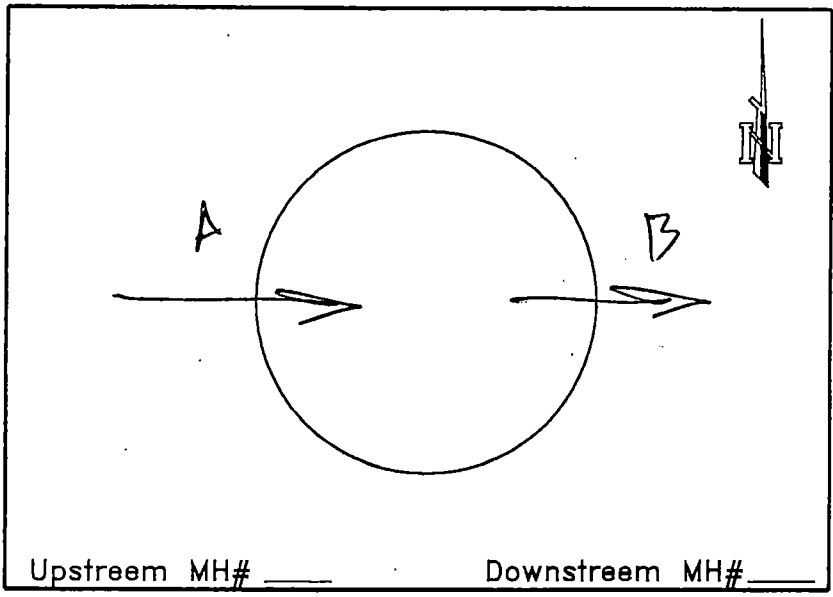
REHABILITATION (in office)

<input checked="" type="checkbox"/> Replace Manhole
<input checked="" type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top Cone & Lid
<input type="checkbox"/> Seal Inside of Manhole
<input type="checkbox"/> Grout in Pipe Penitration
Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Object: Mena Utilities SSES
 Location: WIMBLEY - CARTER
 Basin: 5
 MH No. 528
 Date: 2-23 Time: _____
 Inspector: (Signature)



TYPE OF MH **DESCRIPTION**
 Concrete 4 ft. Diameter
 Brick 4.6 ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY
 Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE
 Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	con	4.6	1			
B	1	1	1	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION
 Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK
 Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)
 Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout In Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

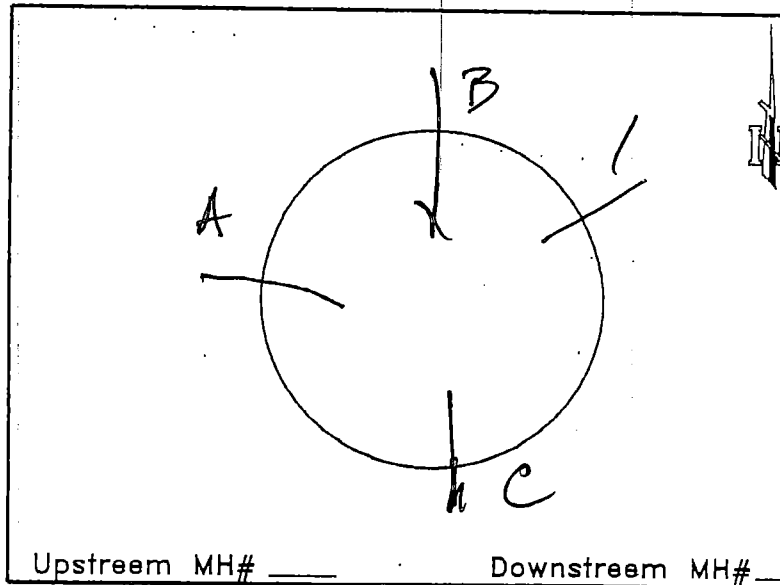
Location: REINE & LENA

Basin: 6

MH No. 530

Date: 3-7 Time: _____

Inspector: BD



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	_____ ft. Diameter
<input checked="" type="checkbox"/> Brick	<u>3.7</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____ Lid Size

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	CL	3.7	1	4	PVC	2.5
B	6	1	1	2			
C	6	1	1	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile
C-Concrete

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

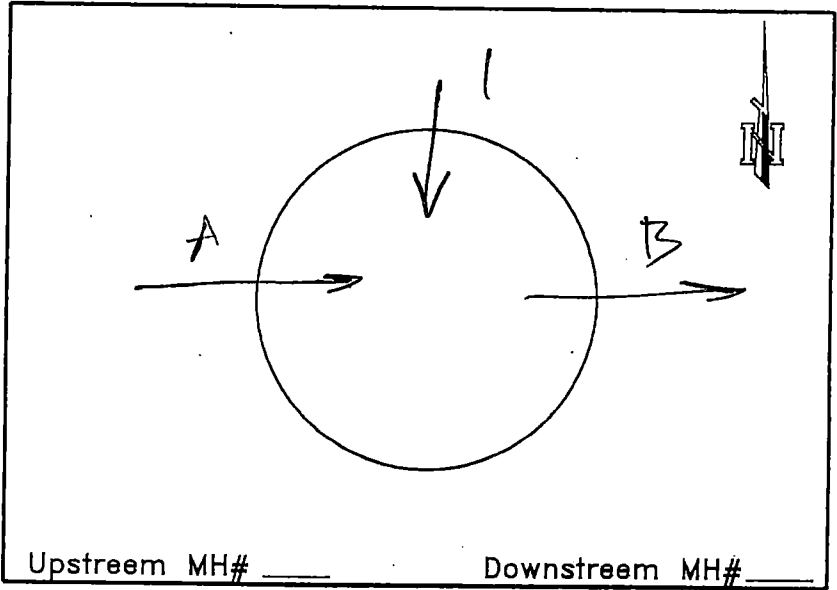
REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & L
- Seal Inside of Manhole
- Grout In Pipe Penitrator
- Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Object: Mena Utilities SSES
 Location: WIMBLEY - LENA
 Basin: 5
 MH No. 531
 Date: 2-23 Time: _____
 Inspector: BA



TYPE OF MH **DESCRIPTION**
 Concrete _____ ft. Diameter
 Brick 5.6 ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY
 Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE
 Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods
 Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	CON	5.6	1	4	CLAY	3.8
B	6	1	5.6	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION
 Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

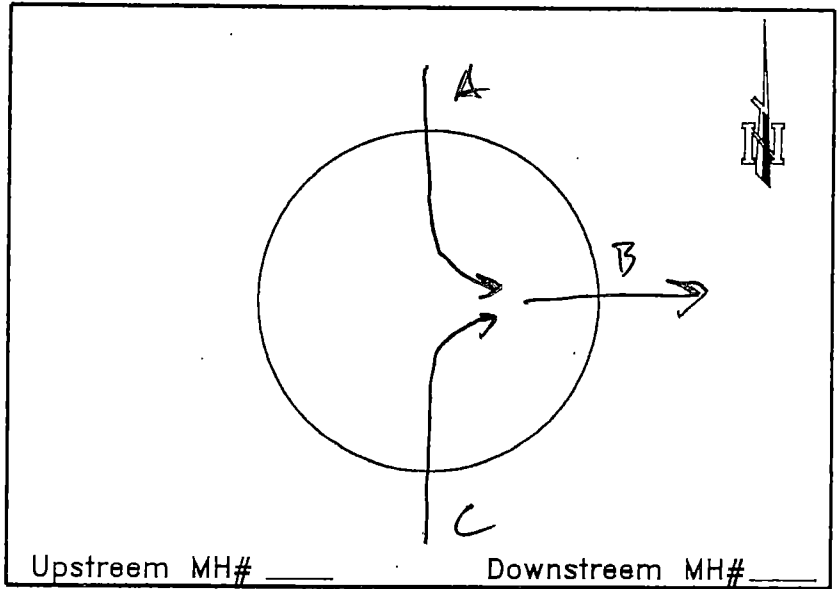
SOURCE OF LEAK
 Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)
 Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Object: Mena Utilities SSES
 Location: POLK - LENA.
 Basin: 5
 MH No. 532
 Date: 2-23 Time: _____
 Inspector: (BB)



TYPE OF MH **DESCRIPTION**
 Concrete _____ ft. Diameter
 Brick 5.7 ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY
 Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	CON	5.7	1			
B	↓	↓	5.7	2			
C	↓	↓	5.7	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE
 Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

MANHOLE CONDITION
 Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

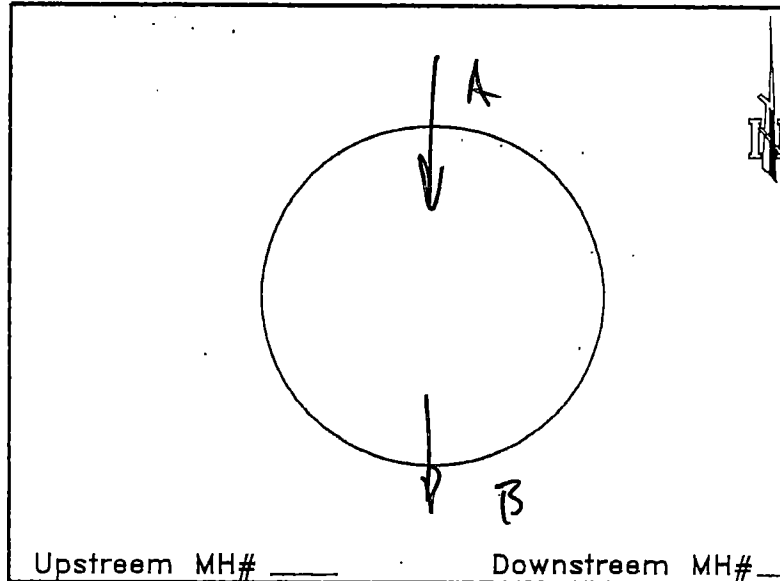
SOURCE OF LEAK
 Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)
 Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: ALLEY BETWEEN 9510 ON CHURCH.
 Basin: 6
 MH No. 545
 Date: 3-7-11 Time: _____
 Inspector: (Signature)



TYPE OF MH DESCRIPTION

Concrete 4 ft. Diameter
 Brick RED 4 ft. Depth
 Fiberglass _____ Lid Size
 Other _____

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods
 Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A	10	CL	4	1			
B	1	CL	4	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ducti
 C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & L
 Seal Inside of Manhole
 Grout In Pipe Penitrator
 Other _____

ADDITIONAL COMMENTS _____

11

MANHOLE EVALUATION

Project: Mena Utilities SSES

Location: ALLEY (R) 9-10. & WALNUT & HICKORY

Basin: 6

MH No. ~~550~~ 546

Date: 3-7-11 Time: _____

Inspector: (b6)

TYPE OF MH DESCRIPTION

Concrete 4 ft. Diameter

Brick RED 4.3 ft. Depth

Fiberglass _____ Lid Size

Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

COVER OVER MANHOLE

Conc. Pavement Sidewalk

Asp. Pavement Yard/Field

Gravel Woods

Other _____

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations

Service Penitrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

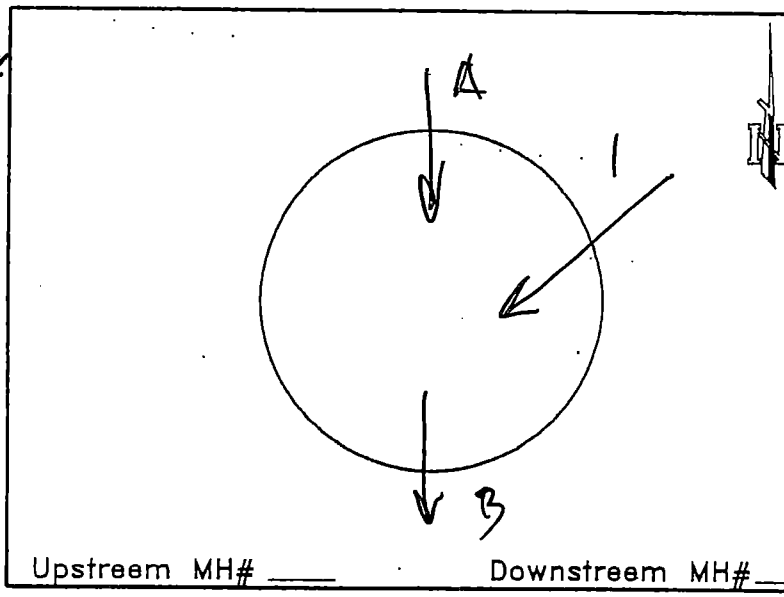
Replace Ring & Cover

Re-Grout Top Cone & L

Seal Inside of Manhole

Grout in Pipe Penitrator

Other _____



Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	CL	4.3	1	4	CL	4.3
B	1	CL	4.3	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductil
C-Concrete

ADDITIONAL COMMENTS _____

NEED TO RECHECK IN J RAIN.

MANHOLE EVALUATION

Project: Mena Utilities SSES

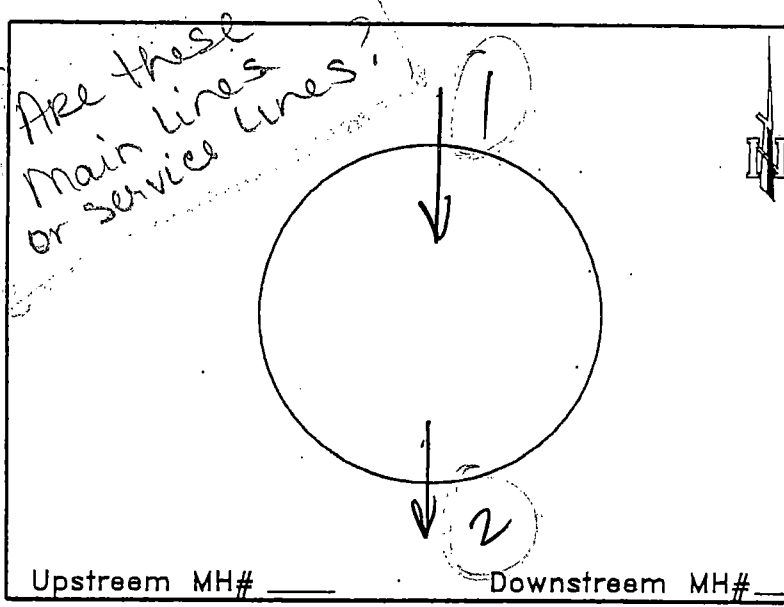
Location: AHEY (B) 9510 - MAGLOLA & WALNUT

Basin: 6

MH No. 547

Date: _____ Time: _____

Inspector: (Signature)



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input checked="" type="checkbox"/> Brick	<u>2.8</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____ Lid Size

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input checked="" type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	Dep
<u>A</u>	<u>4</u>	<u>O.B</u>	<u>2.8</u>	<u>1</u>			
<u>B</u>	<u>4</u>	<u>CL</u>	<u>1</u>	<u>2</u>			
<u>C</u>				<u>3</u>			
<u>D</u>				<u>4</u>			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductil
C-Concrete

MANHOLE CONDITION	
<input type="checkbox"/> Good	
<input checked="" type="checkbox"/> Fair	
<input type="checkbox"/> Poor	
<input type="checkbox"/> Debris in Flowline	
<input type="checkbox"/> Debris on Bench	
<input type="checkbox"/> Evidence of Surcharge	
<input type="checkbox"/> Evidence of Infiltration	
<input type="checkbox"/> Other _____	

SOURCE OF LEAK	
<input type="checkbox"/> Main Line Pipe Penitrations	
<input type="checkbox"/> Service Penitrations	
<input type="checkbox"/> Manhole Joints	
<input type="checkbox"/> Cone Broken	
<input type="checkbox"/> Lid Broken	
<input type="checkbox"/> Lid Missing	
<input type="checkbox"/> Hole in Lid	
<input type="checkbox"/> Other _____	

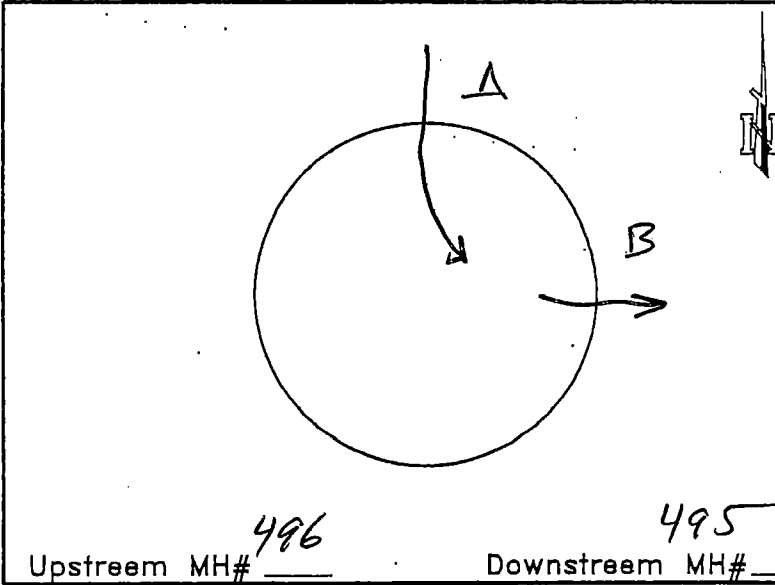
REHABILITATION (in office)	
<input checked="" type="checkbox"/> Replace Manhole	
<input type="checkbox"/> Clean-out Manhole	
<input type="checkbox"/> Re-Build Bench	
<input type="checkbox"/> Replace Ring & Cover	
<input type="checkbox"/> Re-Grout Top Cone & L	
<input type="checkbox"/> Seal Inside of Manhole	
<input type="checkbox"/> Grout in Pipe Penitrator	
<input type="checkbox"/> Other _____	

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: BETWEEN 9th & 8th ON CHURCH.

Basin: 6
 MH No. 548
 Date: 3-2 Time: _____
 Inspector: R12



TYPE OF MH **DESCRIPTION**

Concrete _____ ft. Diameter
 Brick _____ ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A	8	CL	3.5	1			
B	10	CL	3.5	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ducti
 C-Concrete

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone &
 Seal Inside of Manhole
 Grout In Pipe Penitratio
 Other _____

ADDITIONAL COMMENTS _____

XX

MANHOLE EVALUATION

Project: Mena Utilities SSES

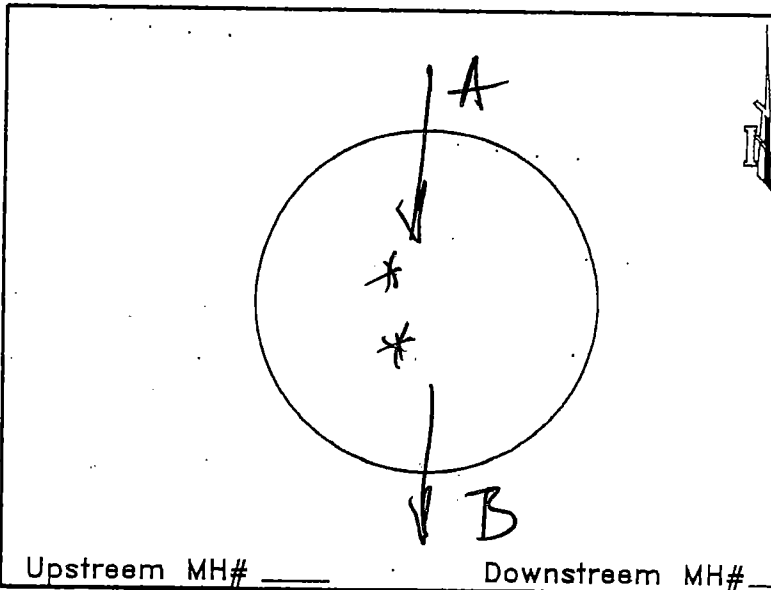
Location: ALLEY BETWEEN 9th & 8th ON
HICKORY

Basin: 6

MH No. 549

Date: 3-2 Time: _____

Inspector: BAE



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>6</u> ft. Diameter
<input checked="" type="checkbox"/> Brick <u>RED</u>	<u>2.7</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____ Lid Size

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asp. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A	6	CL	2.7	1			
B	6	CL	2.7	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductil
C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & L
- Seal Inside of Manhole
- Grout In Pipe Penitratior
- Other _____

ADDITIONAL COMMENTS CONCRETE & FROM MAIN LINE.

MANHOLE EVALUATION

Project: Mena Utilities SSES

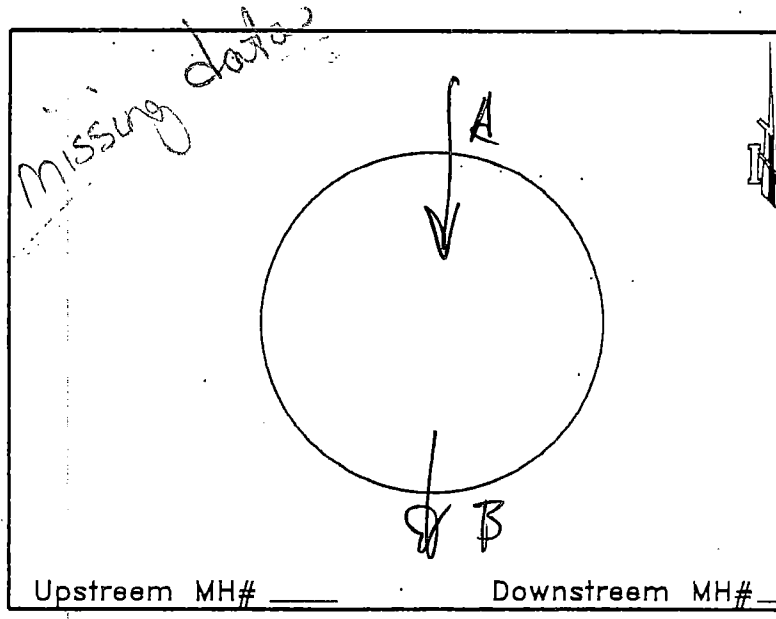
Location: 859 ON WALNUT.

Basin: 6

MH No. 4671 550

Date: _____ Time: _____

Inspector: [Signature]



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter

Brick RED 4.3 ft. Depth

Fiberglass

Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A				1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Duct
C-Concrete

COVER OVER MANHOLE

Conc. Pavement Sidewalk

Asph. Pavement Yard/Field

Gravel Woods

Other _____

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations

Service Penitrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other RING & LID MISPLACED

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone &

Seal Inside of Manhole

Grout In Pipe Penetratio

Other _____

ADDITIONAL COMMENTS _____

NEED TO RECHECK IN RAIN. RING & LID MISPLACED.

MANHOLE EVALUATION

Project: Mena Utilities SSES

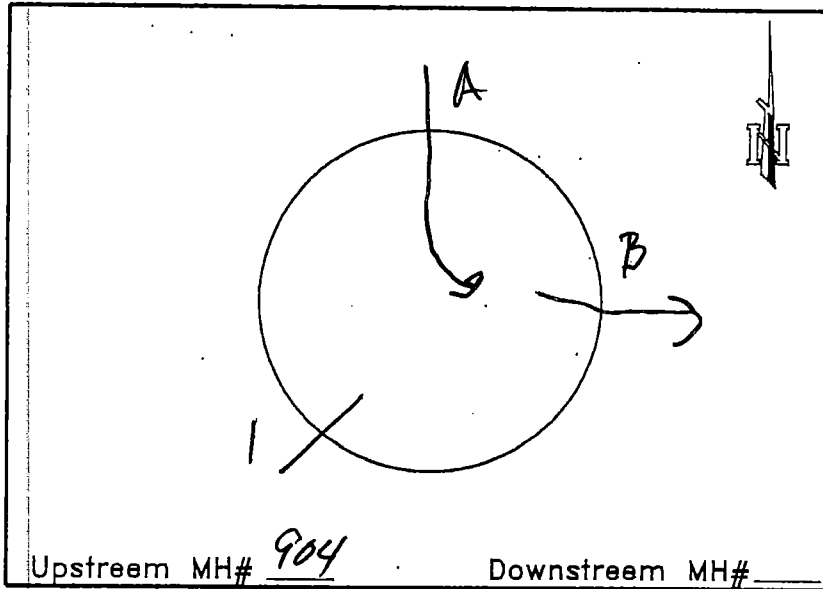
Location: 1309 TEXAS

Basin: 10

MH No. 904

Date: 3-2 Time: _____

Inspector: (BE)



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter

Brick RED 5.8 ft. Depth

Fiberglass

Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

COVER OVER MANHOLE

Conc.Pavement Sidewalk

Asph.Pavement Yard/Field

Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CL	5.8	1	6	CL	5.9
B	8	CL	5.9	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations

Service Penetrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole in Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

Grout In Pipe Penetration

Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

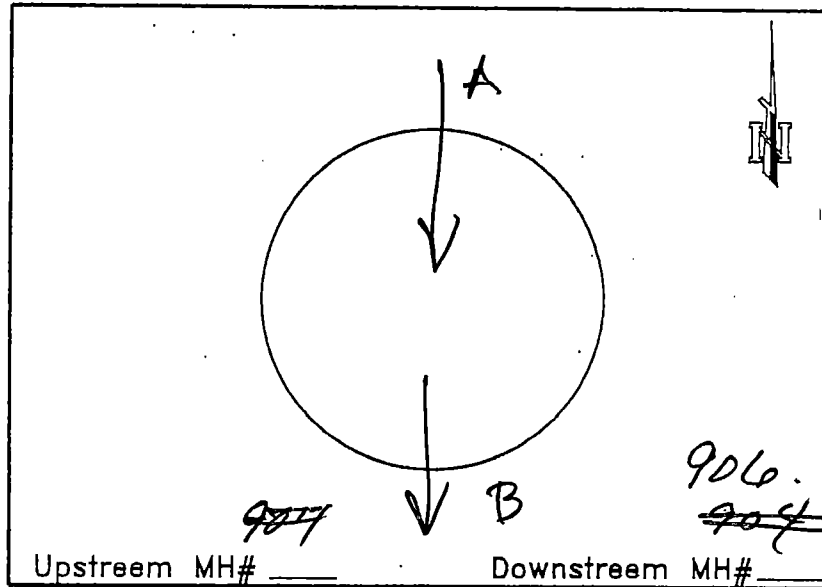
Location: 1301 TEXAS.

Basin: 2X 11

MH No. 906

Date: 3-2 Time: _____

Inspector: (BA)



TYPE OF MH DESCRIPTION

Concrete _____ ft. Diameter

Brick RED _____ ft. Depth

Fiberglass

Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

COVER OVER MANHOLE

Conc.Pavement Sidewalk

Asph.Pavement Yard/Field

Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CL	5	1			
B	8	CL	5	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations

Service Penitrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

Grout in Pipe Penetration

Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

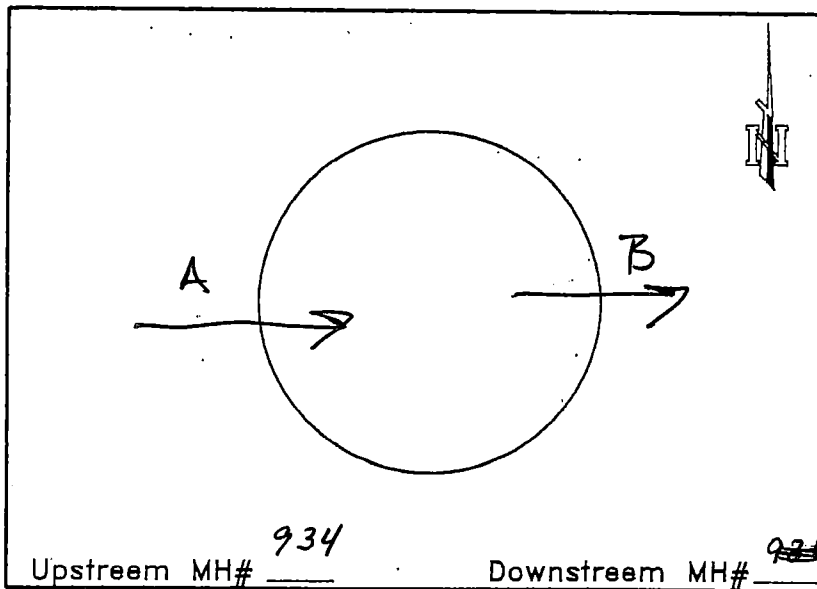
Location: TEXAS & SPRING

Basin: 10

MH No. 933

Date: 3-2 Time: _____

Inspector: (BR)



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input checked="" type="checkbox"/> Brick	_____ ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	16	Tr	14'	1			
B	16	VSS	14	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION	
<input type="checkbox"/> Good	
<input checked="" type="checkbox"/> Fair	
<input type="checkbox"/> Poor	
<input type="checkbox"/> Debris in Flowline	
<input type="checkbox"/> Debris on Bench	
<input type="checkbox"/> Evidence of Surcharge	
<input type="checkbox"/> Evidence of Infiltration	
<input type="checkbox"/> Other _____	

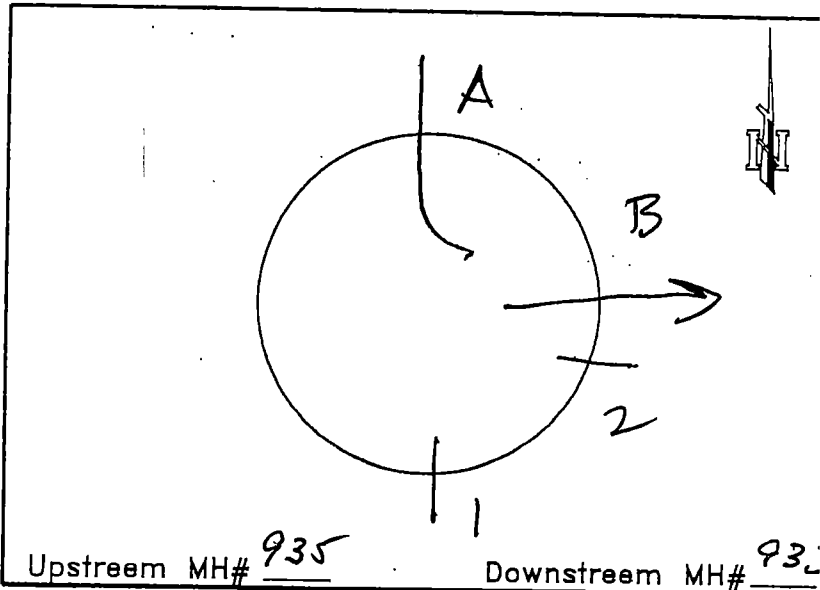
SOURCE OF LEAK	
<input type="checkbox"/> Main Line Pipe Penetrations	
<input type="checkbox"/> Service Penetrations	
<input type="checkbox"/> Manhole Joints	
<input type="checkbox"/> Cone Broken	
<input type="checkbox"/> Lid Broken	
<input type="checkbox"/> Lid Missing	
<input type="checkbox"/> Hole in Lid	
<input type="checkbox"/> Other _____	

REHABILITATION (in office)	
<input checked="" type="checkbox"/> Replace Manhole	
<input type="checkbox"/> Clean-out Manhole	
<input type="checkbox"/> Re-Build Bench	
<input type="checkbox"/> Replace Ring & Cover	
<input type="checkbox"/> Re-Grout Top Cone & Lid	
<input type="checkbox"/> Seal Inside of Manhole	
<input type="checkbox"/> Grout in Pipe Penetration	
<input type="checkbox"/> Other _____	

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: BEHIND 909 TEXAS ST.
 Basin: 10
 MH No. 934
 Date: 3-2 Time: _____
 Inspector: (Signature)



TYPE OF MH DESCRIPTION

Concrete _____ ft. Diameter
 Brick 8 ft. Depth
 Fiberglass _____ Lid Size
 Other

TYPE OF PROPERTY

Residence Traller Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	16	Tross	8	1	4	P	3'
B	16		8	2	4	C	4'
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout In Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

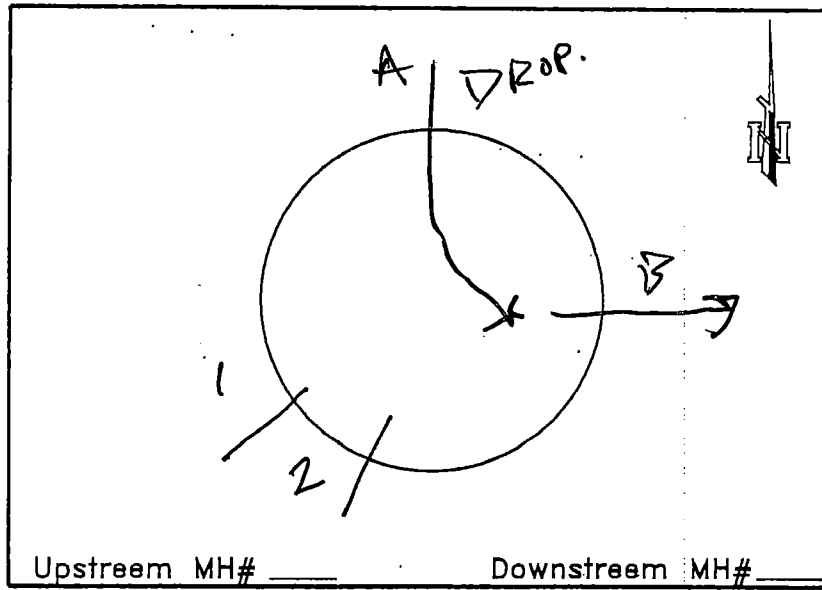
Location: REEVES & EVE.

Basin: 10

MH No. 938

Date: 3-2 Time: _____

Inspector: (Signature)



TYPE OF MH **DESCRIPTION**

Concrete _____ ft. Diameter

Brick 8 ft. Depth

Fiberglass

Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

COVER OVER MANHOLE

Conc. Pavement Sidewalk

Asph. Pavement Yard/Field

Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10 10	Truss	8	1	4	ORIG BERG	6.4
B	10		8	2	4	Pvc	7.8
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations

Service Penetrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole in Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

Grout in Pipe Penetration

Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

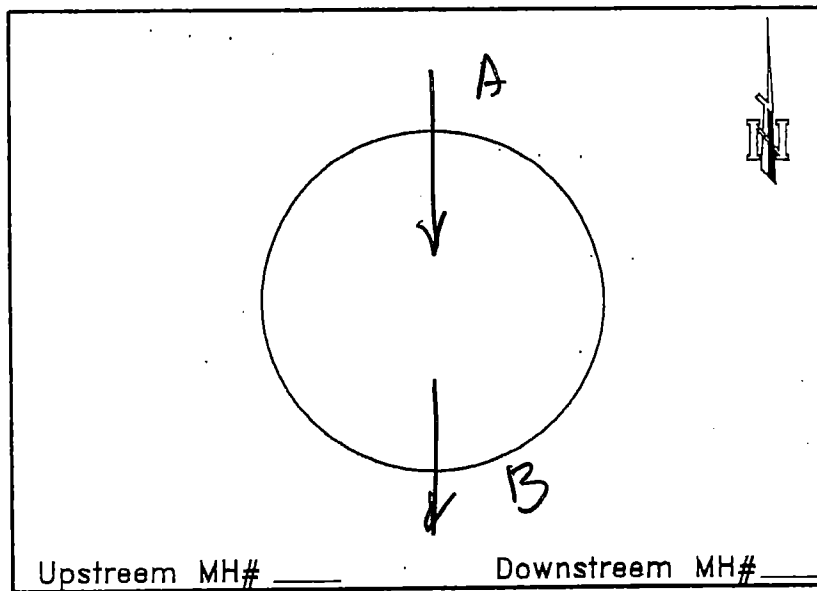
Location: HAMILTON N. 1/2 EYE

Basin: 10

MH No. 939

Date: 3-2 Time: _____

Inspector: (FR)



Upstream MH# _____ Downstream MH# _____

TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input checked="" type="checkbox"/> Brick	<u>5.8</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____ Lid Size

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	Trus	8:8	1			
B	10	1	1	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

MANHOLE CONDITION
<input type="checkbox"/> Good
<input checked="" type="checkbox"/> Fair
<input type="checkbox"/> Poor
<input type="checkbox"/> Debris in Flowline
<input type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surcharge
<input type="checkbox"/> Evidence of Infiltration
<input type="checkbox"/> Other _____

SOURCE OF LEAK
<input type="checkbox"/> Main Line Pipe Penitrations
<input type="checkbox"/> Service Penitrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole In Lid
<input type="checkbox"/> Other _____

REHABILITATION (in office)
<input checked="" type="checkbox"/> Replace Manhole
<input type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top Cone & Lid
<input type="checkbox"/> Seal Inside of Manhole
<input type="checkbox"/> Grout in Pipe Penetration
<input type="checkbox"/> Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Object: Mena Utilities SSES

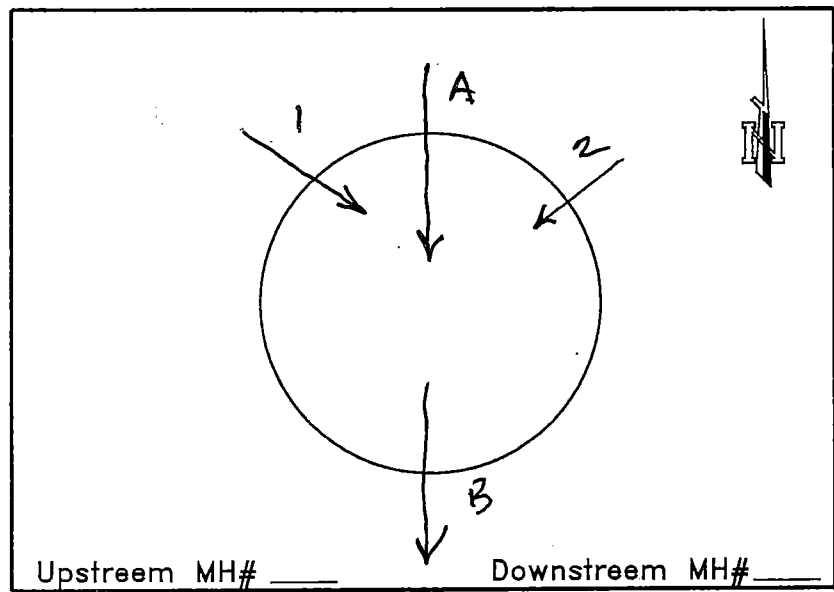
Location: _____

Basin: 5

MH No. 944 1/4

Date: 2-23 Time: _____

Inspector: (BB)



TYPE OF MH DESCRIPTION

Concrete 4 ft. Diameter

Brick 9 ft. Depth

Fiberglass

Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

COVER OVER MANHOLE

Conc.Pavement Sidewalk

Asph.Pavement Yard/Field

Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CLAY	9	1	4	8.6	CLAY
B	8	1	1	2	4	6.4	1
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations

Service Penitrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

Grout in Pipe Penetration

Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

10

Project: Mena Utilities SSES

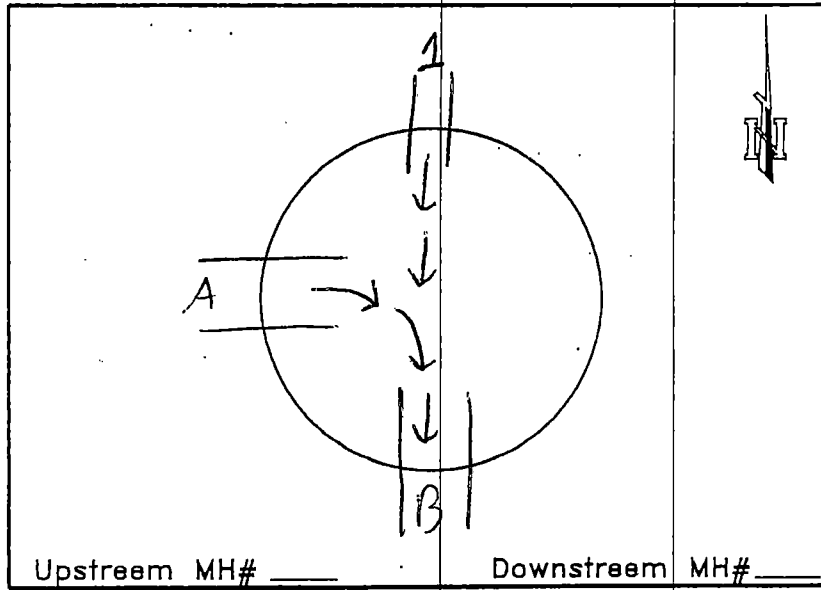
Location: end of pipe view

Basin: 10

MH No. 954

Date: 3/1/11 Time: _____

Inspector: Bodey



Upstream MH# _____

Downstream MH# _____

TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>3 1/2</u> ft. Diameter
<input checked="" type="checkbox"/> Brick	<u>4 1/2</u> ft. Depth
<input type="checkbox"/> Fiberglass	
<input type="checkbox"/> Other	<u>233</u> Lid Size

TYPE OF PROPERTY	
<input type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input checked="" type="checkbox"/> Other <u>Street</u>

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	Pvc	4 1/2	1	4	Pvc	2
B	6	Pvc	4 1/2	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

MANHOLE CONDITION
<input type="checkbox"/> Good
<input type="checkbox"/> Fair
<input checked="" type="checkbox"/> Poor
<input type="checkbox"/> Debris in Flowline
<input type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surcharge
<input type="checkbox"/> Evidence of Infiltration
<input type="checkbox"/> Other _____

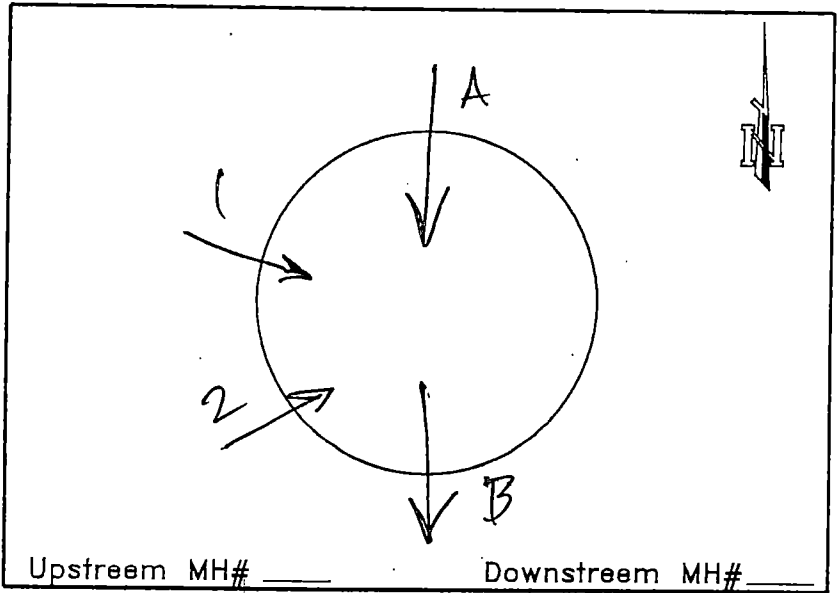
SOURCE OF LEAK
<input type="checkbox"/> Main Line Pipe Penetrations
<input type="checkbox"/> Service Penetrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole In Lid
<input type="checkbox"/> Other _____

REHABILITATION (in office)
<input checked="" type="checkbox"/> Replace Manhole
<input type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top Cone & Lid
<input type="checkbox"/> Seal Inside of Manhole
<input type="checkbox"/> Grout In Pipe Penetration
<input type="checkbox"/> Other _____

ADDITIONAL COMMENTS Needs repair

MANHOLE EVALUATION

Object: Mena Utilities SSES
 Location: LENA - ADAMS
 Basin: 5
 MH No. 957
 Date: 2-23 Time: _____
 Inspector: BA



TYPE OF MH **DESCRIPTION**
 Concrete _____ ft. Diameter
 Brick 6.3 ft. Depth
 Fiberglass _____
 Other _____ Lid Size

TYPE OF PROPERTY
 Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	CON	6.3	1	4	ORG. Berg	4.2
B	10			2	4	CLAY	
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE
 Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods
 Other _____

MANHOLE CONDITION
 Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

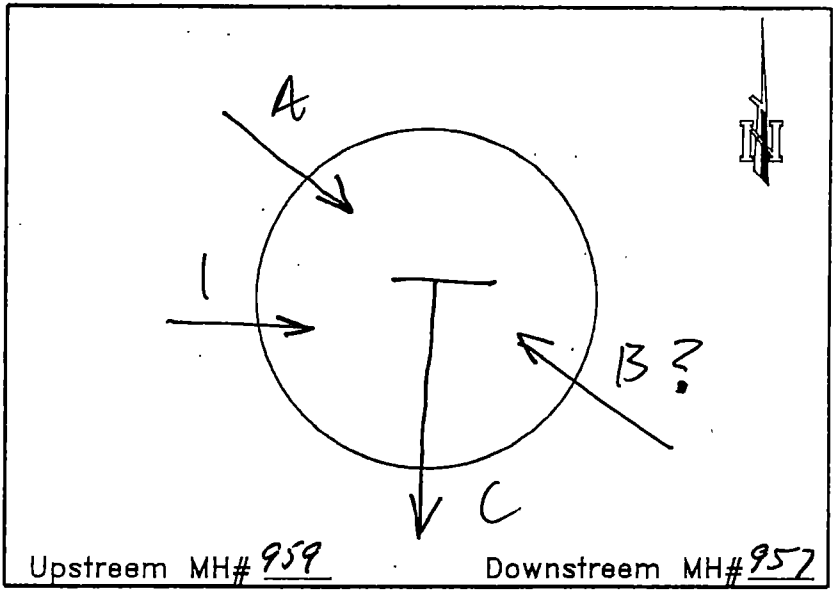
SOURCE OF LEAK
 Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)
 Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout In Pipe Penetration
 Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: S. ADAMS & SOUTHERLAND.
 Basin: 5
 MH No. 958
 Date: 2-24 Time: _____
 Inspector: (Signature)



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick 9.4 ft. Depth
- Fiberglass
- Other _____ Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CLAY	7.0	1	4	ORG.	5
B	8	CLAY	5.0	2			
C	8	CON.	9.4	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

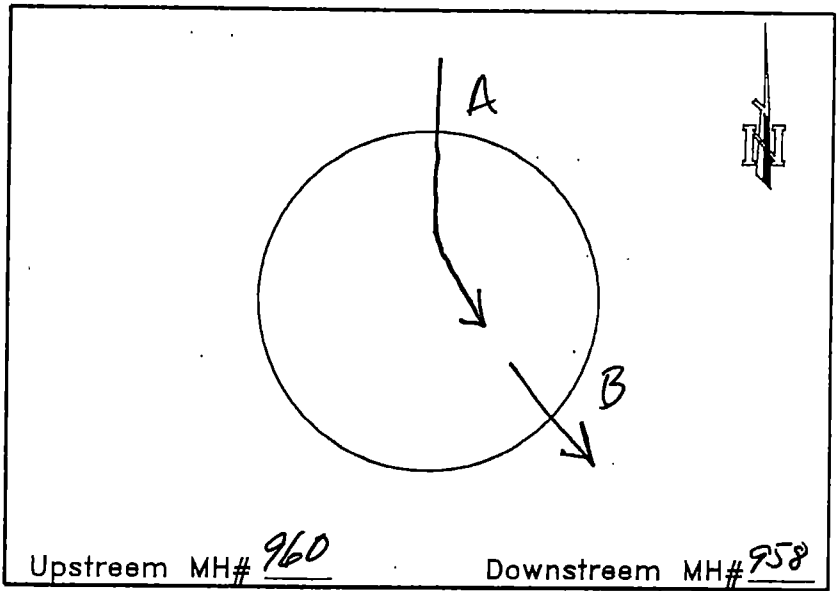
Location: N. ADAMS

Basin: 5

MH No. 959

Date: 2-24 Time: _____

Inspector: (BIB)



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick RED _____ ft. Depth
- Fiberglass _____ Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	CLAY	4.5	1			
B	1	1	1	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other _____

MANHOLE CONDITION

- Good
- Fair
- ~~Poor~~
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

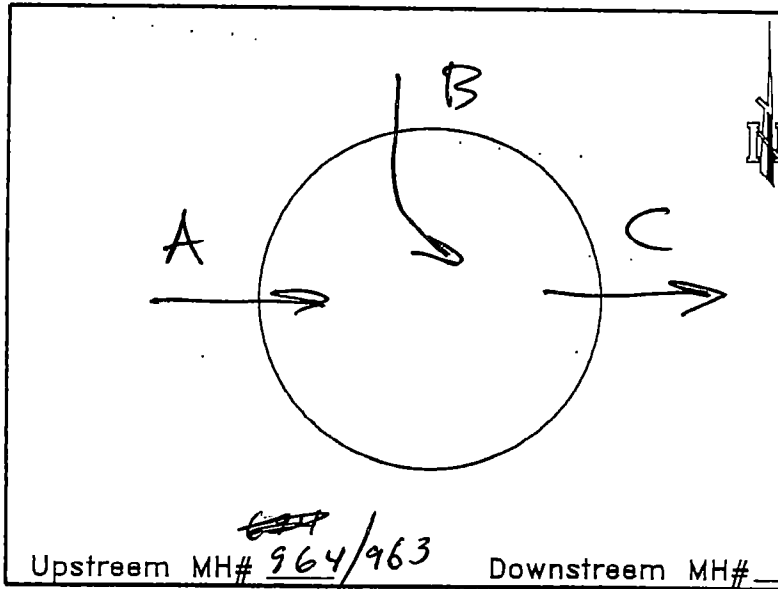
Location: JONES & SOUTHERLAND

Basin: 6

MH No. 962

Date: 3-7 Time: _____

Inspector: MD



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick RED _____ ft. Depth
- Fiberglass _____ Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A	8	CL	4.4	1			
B	8 6		4.4	2			
C	8		4.4	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductil
C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & L
- Seal Inside of Manhole
- Grout In Pipe Penitrator
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

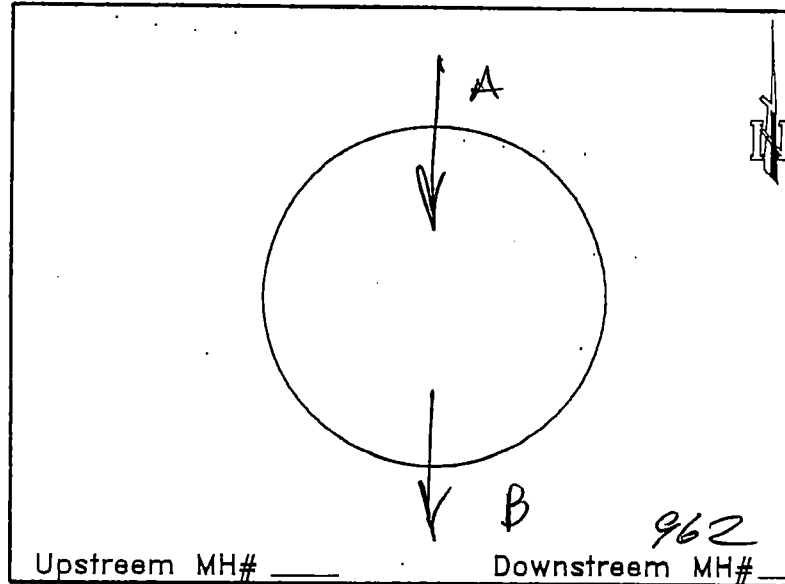
Location: 300 JONES ST

Basin: 6

MH No. 963

Date: 3-7 Time: _____

Inspector: (Signature)



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input checked="" type="checkbox"/> Brick RED	<u>5</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____ Lid Size

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asp. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	CL.	5.0	1			
B	6	1	5.0	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductil
C-Concrete

MANHOLE CONDITION	
<input type="checkbox"/> Good	
<input type="checkbox"/> Fair	
<input checked="" type="checkbox"/> Poor	
<input type="checkbox"/> Debris In Flowline	
<input checked="" type="checkbox"/> Debris on Bench	
<input type="checkbox"/> Evidence of Surcharge	
<input type="checkbox"/> Evidence of Infiltration	
<input type="checkbox"/> Other _____	

SOURCE OF LEAK	
<input type="checkbox"/> Main Line Pipe Penitrations	
<input type="checkbox"/> Service Penitrations	
<input type="checkbox"/> Manhole Joints	
<input type="checkbox"/> Cone Broken	
<input type="checkbox"/> Lid Broken	
<input type="checkbox"/> Lid Missing	
<input type="checkbox"/> Hole In Lid	
<input type="checkbox"/> Other _____	

REHABILITATION (in office)	
<input checked="" type="checkbox"/> Replace Manhole	
<input checked="" type="checkbox"/> Clean-out Manhole	
<input type="checkbox"/> Re-Build Bench	
<input type="checkbox"/> Replace Ring & Cover	
<input type="checkbox"/> Re-Grout Top Cone & L	
<input type="checkbox"/> Seal Inside of Manhole	
<input type="checkbox"/> Grout In Pipe Penitrator	
Other _____	

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

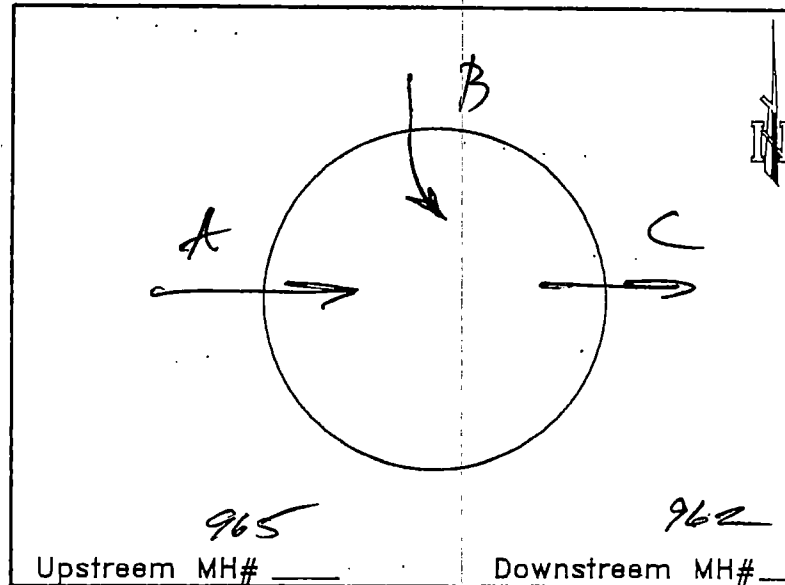
Location: GANN & SOUTHERLAND

Basin: 6

MH No. 964

Date: 3-7 Time: _____

Inspector: (Signature)



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input checked="" type="checkbox"/> Brick	<u>4.5</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asp. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CL	4.5	1			
B	6			2			
C	8			3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile
C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

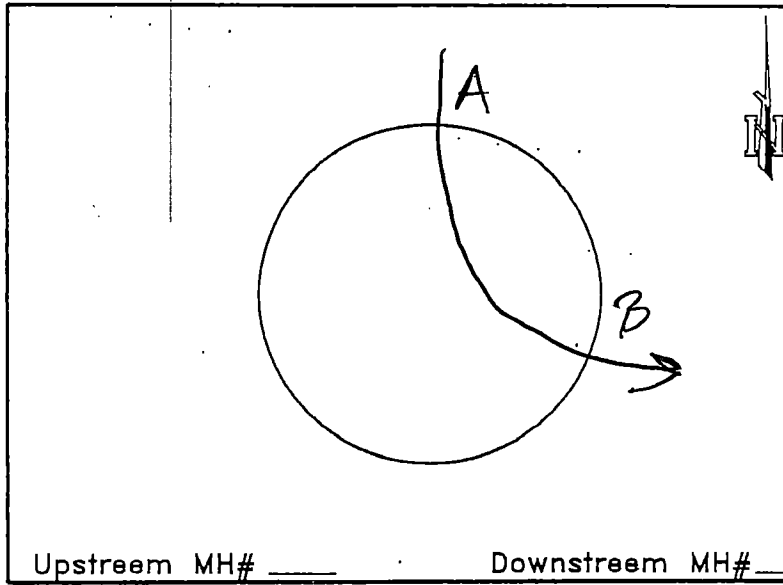
- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & L
- Seal Inside of Manhole
- Grout In Pipe Penitration
- Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

CLEAN 501

Project: Mena Utilities SSES
 Location: SOUTHERLAND & REI NE
 Basin: 6
 MH No. 965
 Date: 3-7 Time: _____
 Inspector: (Signature)



TYPE OF MH DESCRIPTION

Concrete 4 ft. Diameter
 Brick 4 ft. Depth
 Fiberglass _____ Lid Size
 Other _____

Upstream MH# _____ Downstream MH# _____

TYPE OF PROPERTY

Residence Traller Park
 Business Vacant Lot
 Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A	8	CL	4.0	1			
B	8	1	4.0	2			
C				3			
D				4			

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ducti
 C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & I
 Seal Inside of Manhole
 Grout In Pipe Penitratio
 Other _____

ADDITIONAL COMMENTS ABOUT 1' OF DEBRIS ON BENCH.

MANHOLE EVALUATION

Project: Mena Utilities SSES

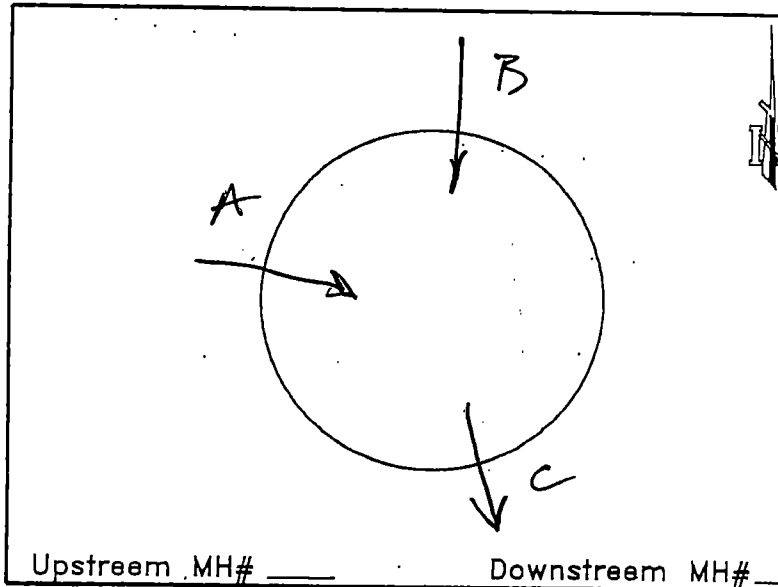
Location: N. REINE & HWY 8 W.

Basin: _____

MH No. 966

Date: 3-7 Time: _____

Inspector: (Signature)



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input checked="" type="checkbox"/> Brick	<u>4.5</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____ Lid Size

TYPE OF PROPERTY	
<input type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input checked="" type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Dei
A	8?	CL	4.5	1			
B	8?			2			
C	8?			3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductil
C-Concrete

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

MANHOLE CONDITION	
<input type="checkbox"/> Good	
<input type="checkbox"/> Fair	
<input checked="" type="checkbox"/> Poor	
<input type="checkbox"/> Debris in Flowline	
<input checked="" type="checkbox"/> Debris on Bench	
<input type="checkbox"/> Evidence of Surcharge	
<input checked="" type="checkbox"/> Evidence of Infiltration	
<input type="checkbox"/> Other _____	

SOURCE OF LEAK	
<input type="checkbox"/> Main Line Pipe Penitrations	
<input type="checkbox"/> Service Penitrations	
<input checked="" type="checkbox"/> Manhole Joints	
<input type="checkbox"/> Cone Broken	
<input type="checkbox"/> Lid Broken	
<input type="checkbox"/> Lid Missing	
<input type="checkbox"/> Hole In Lid	
<input type="checkbox"/> Other _____	

REHABILITATION (in office)	
<input checked="" type="checkbox"/> Replace Manhole	
<input checked="" type="checkbox"/> Clean-out Manhole	
<input type="checkbox"/> Re-Build Bench	
<input type="checkbox"/> Replace Ring & Cover	
<input type="checkbox"/> Re-Grout Top Cone & L	
<input checked="" type="checkbox"/> Seal Inside of Manhole	
<input type="checkbox"/> Grout in Pipe Penitrator	
Other _____	

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

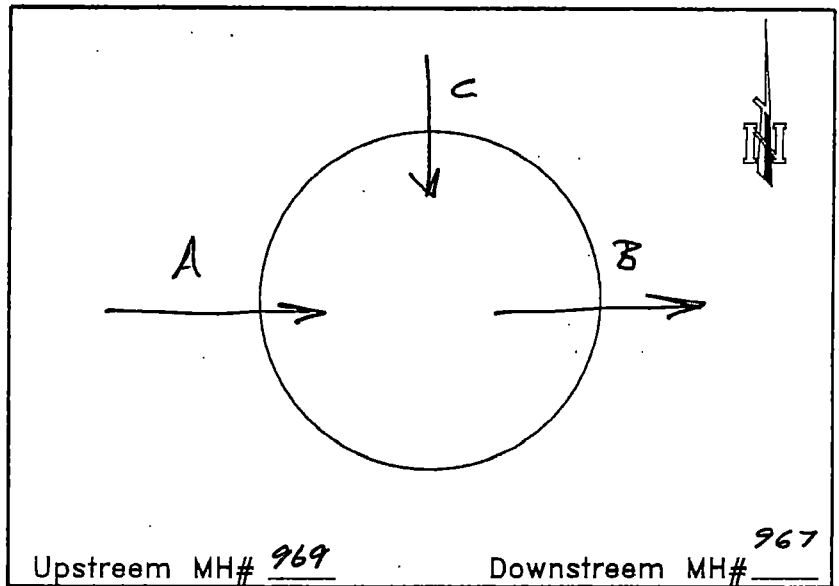
Location: POLK - SOUTHERLAND.

Basin: 5

MH No. 968

Date: 2-24 Time: _____

Inspector: (BP)



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick 4.8 ft. Depth
- Fiberglass
- Other _____ Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	CLAY	4.8	1			
B	6	1	1	2			
C	10	TRUSS	4.8	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole in Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS OLD RED BRICK SOME MORTAR MISSING NO VISI INS!

MANHOLE EVALUATION

Project: Mena Utilities SSES

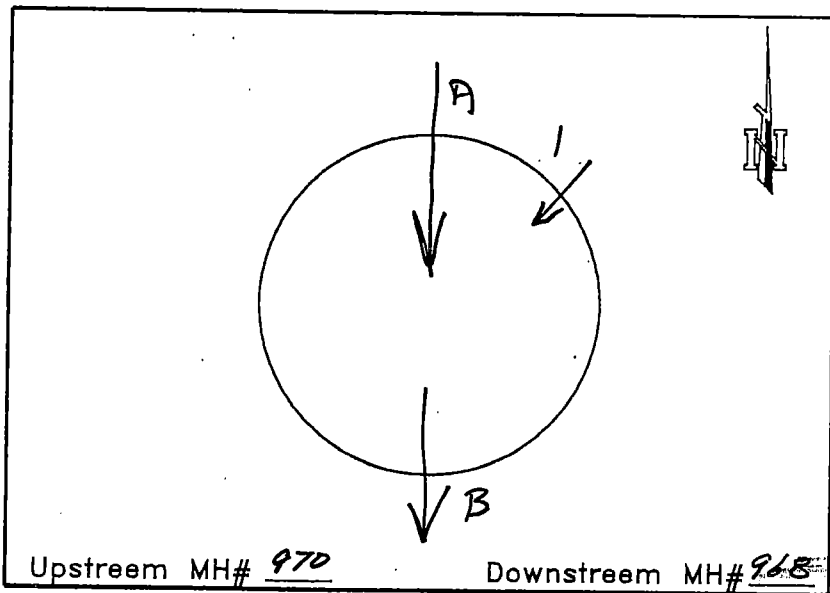
Location: 207 N. Polk

Basin: 5

MH No. 969

Date: 2-24 Time: _____

Inspector: (BP)



TYPE OF MH

DESCRIPTION

- Concrete _____ ft. Diameter
- Brick _____ ft. Depth
- Fiberglass _____ Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	CON.	6.0	1	4	ORG. BERG.	4.7
B	10	1	1	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES

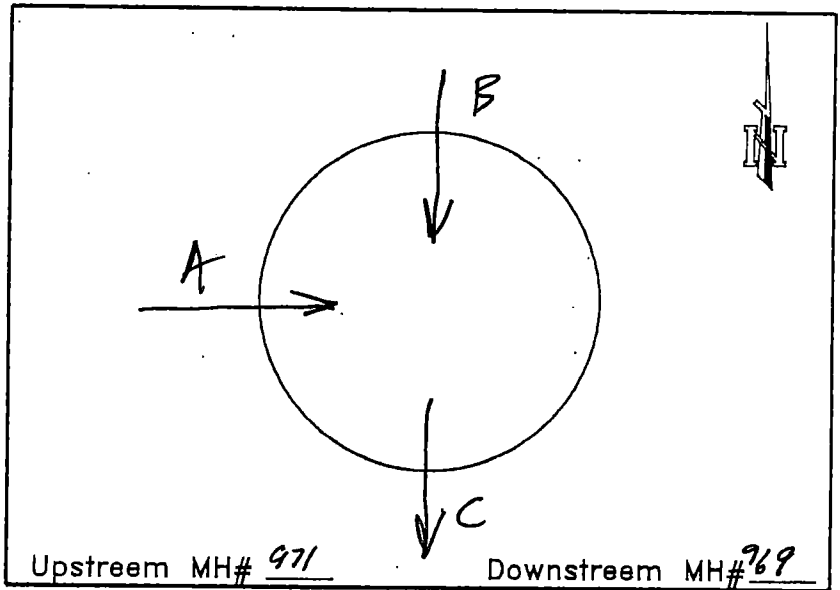
Location: BOLTON - N. POLK.

Basin: 5

MH No. 970

Date: 2-24 Time: _____

Inspector: (BIB)



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input checked="" type="checkbox"/> Brick	<u>6</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____ Lid Size

TYPE OF PROPERTY

<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	CLAY	6.0	1			
B	10	CLAY	6	2			
C	10	CON.	6	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods

Other _____

MANHOLE CONDITION

<input type="checkbox"/> Good
<input checked="" type="checkbox"/> Fair
<input type="checkbox"/> Poor
<input type="checkbox"/> Debris in Flowline
<input type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surcharge
<input type="checkbox"/> Evidence of Infiltration
<input type="checkbox"/> Other _____

SOURCE OF LEAK

<input type="checkbox"/> Main Line Pipe Penitrations
<input type="checkbox"/> Service Penitrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole In Lid
<input type="checkbox"/> Other _____

REHABILITATION (in office)

<input checked="" type="checkbox"/> Replace Manhole
<input type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top Cone & Lid
<input type="checkbox"/> Seal Inside of Manhole
<input type="checkbox"/> Grout In Pipe Penetration
<input type="checkbox"/> Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

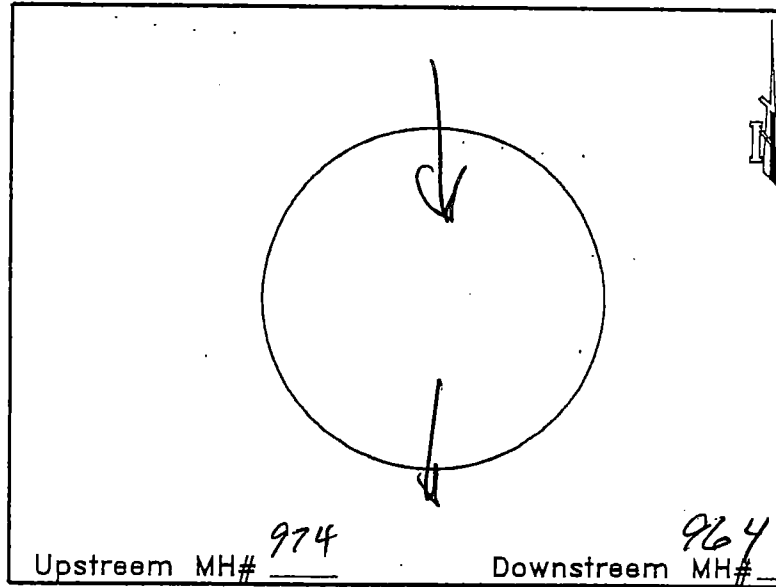
Location: 204 GANN

Basin: 6

MH No. 973

Date: 3-7 Time: _____

Inspector: (Signature)



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input checked="" type="checkbox"/> Brick <u>RED</u>	<u>4.3</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____ Lid Size

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A	6	CL	4.3	1			
B	6			2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductil
C-Concrete

COVER OVER MANHOLE	
<input type="checkbox"/> Conc.Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph.Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods

Other _____

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris In Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & L
- Seal Inside of Manhole
- Grout In Pipe Penitrator
- Other _____

ADDITIONAL COMMENTS _____

XXX

MANHOLE EVALUATION

Project: Mena Utilities SSES

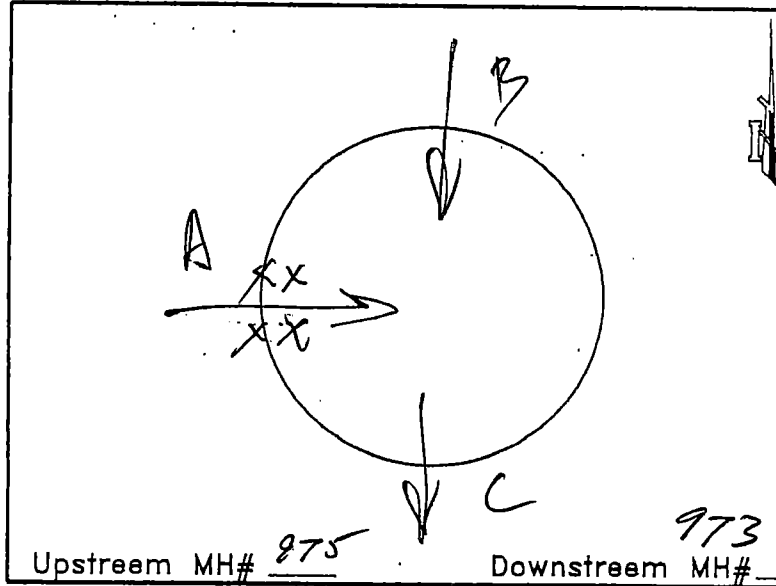
Location: 310 GANN.

Basin: 6

MH No. 974

Date: 3-7 Time: _____

Inspector: (BB)



TYPE OF MH DESCRIPTION

Concrete _____ ft. Diameter

Brick RED. 5.4 ft. Depth

Fiberglass

Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

COVER OVER MANHOLE

Conc. Pavement Sidewalk

Asph. Pavement Yard/Field

Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A	6	CL	5.4	1			
B	6	/	/	2			
C	6	/	/	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ducti
C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- RECHECK**
- Main Line Pipe Penitrations
 - Service Penitrations
 - Manhole Joints
 - Cone Broken
 - Lid Broken
 - Lid Missing
 - Hole In Lid
 - Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & I
- Seal Inside of Manhole
- Grout In Pipe Penitration
- Other _____

ADDITIONAL COMMENTS _____

CHECK IN RAIN

XXX

MANHOLE EVALUATION

Project: Mena Utilities SSES

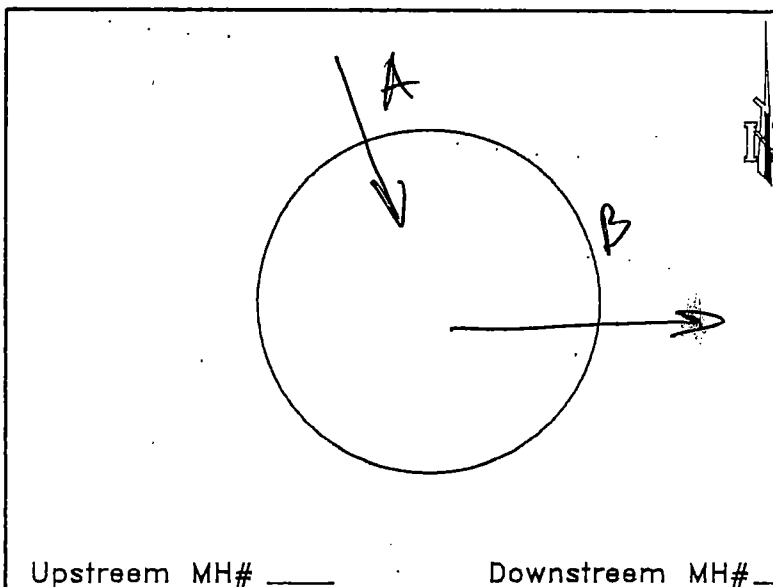
Location: 307 N. REINE

Basin: 6

MH No. 975

Date: 3-7 Time: _____

Inspector: (Signature)



TYPE OF MH DESCRIPTION

Concrete _____ ft. Diameter

Brick **RED** _____ ft. Depth

Fiberglass _____

Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

COVER OVER MANHOLE

Conc. Pavement Sidewalk

Asph. Pavement Yard/Field

Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A	A6	CI	4.5	1			
B	B6	CL↑	4.5	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ducti
C-Concrete

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations

Service Penitrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & I

Seal Inside of Manhole

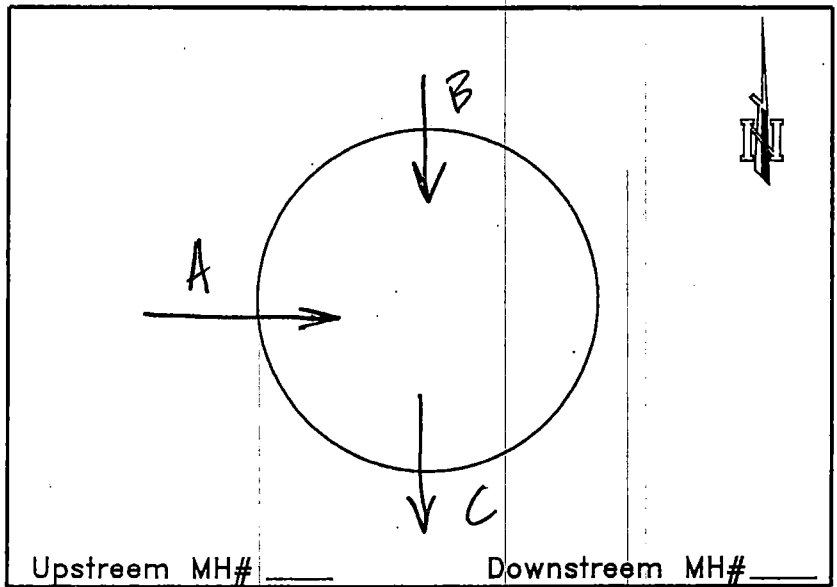
Grout In Pipe Penitratio

Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: N. REINE & MISSOURI
 Basin: 2
 MH No. 976
 Date: 2-22 Time: _____
 Inspector: BB



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input checked="" type="checkbox"/> Brick	<u>4</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	<u>6</u>	<u>CLAY</u>		1			
B	<u>1</u>	<u>1</u>		2			
C	<u>1</u>	<u>1</u>		3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asp. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods

Other _____

MANHOLE CONDITION

<input type="checkbox"/>	Good
<input checked="" type="checkbox"/>	Fair
<input type="checkbox"/>	Poor
<input type="checkbox"/>	Debris in Flowline
<input type="checkbox"/>	Debris on Bench
<input type="checkbox"/>	Evidence of Surcharge
<input type="checkbox"/>	Evidence of Infiltration
<input type="checkbox"/>	Other _____

SOURCE OF LEAK

<input type="checkbox"/>	Main Line Pipe Penetrations
<input type="checkbox"/>	Service Penetrations
<input type="checkbox"/>	Manhole Joints
<input type="checkbox"/>	Cone Broken
<input type="checkbox"/>	Lid Broken
<input type="checkbox"/>	Lid Missing
<input type="checkbox"/>	Hole In Lid
<input type="checkbox"/>	Other _____

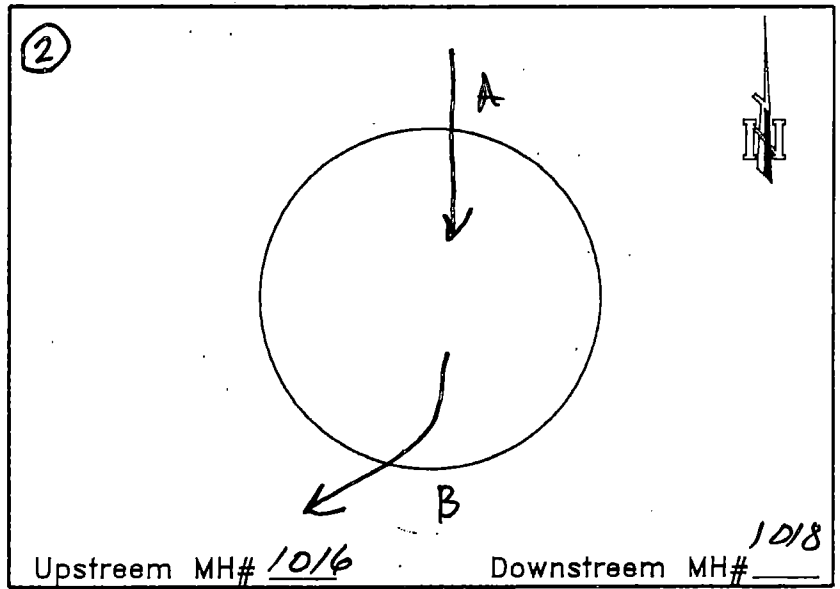
REHABILITATION (in office)

<input checked="" type="checkbox"/>	Replace Manhole
<input type="checkbox"/>	Clean-out Manhole
<input type="checkbox"/>	Re-Build Bench
<input type="checkbox"/>	Replace Ring & Cover
<input type="checkbox"/>	Re-Grout Top Cone & Lid
<input type="checkbox"/>	Seal Inside of Manhole
<input type="checkbox"/>	Grout in Pipe Penetration
<input type="checkbox"/>	Other _____

ADDITIONAL COMMENTS

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: RIDE AWAY. 2504
SOUTHER LAND
 Basin: 5
 MH No. 1017
 Date: 2-28 Time: _____
 Inspector: (BB)



TYPE OF MH DESCRIPTION

Concrete 4 ft. Diameter
 Brick 8.6 ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods
 Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A				1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other HOLE IN SIDE

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS LARGE MASS OF ROOTS INI VERY BAD.

MANHOLE EVALUATION

Project: Mena Utilities SSES

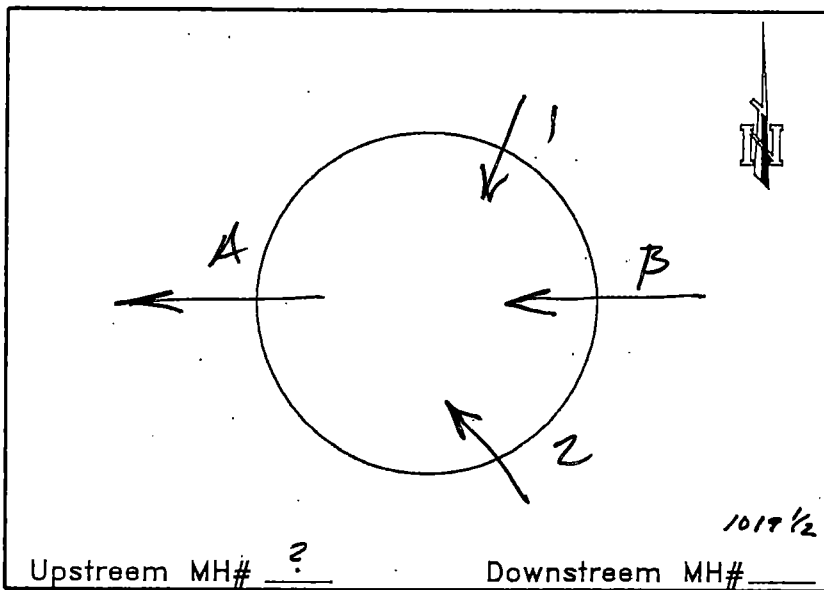
Location: 2700 Cassell Dr.

Basin: 5

MH No. 1019 3/4 C

Date: 2-23 Time: _____

Inspector: _____



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick 4.3 ft. Depth
- Fiberglass _____ Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	P V	4.3	1	4	ORG-BURG.	3.4
B	6	C	1	2	4	PVC	3.4
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

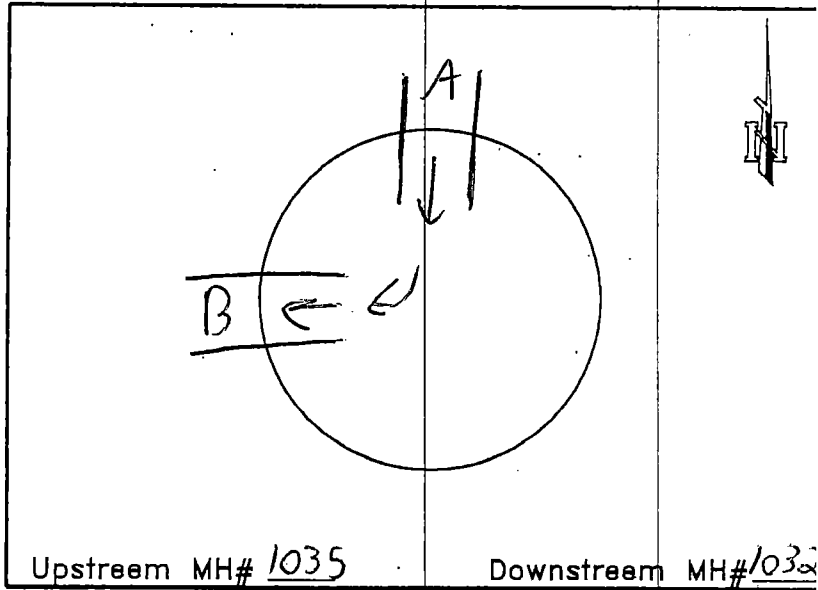
ADDITIONAL COMMENTS

ROOTS

MANHOLE EVALUATION

10

Project: Mena Utilities SSES
 Location: ~~Blake~~ Blake ST & Reeves
 Basin: 10
 MH No. 1033
 Date: 3/1/11 Time: _____
 Inspector: Rodet



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter
 Brick 5 ft. Depth
 Fiberglass
 Other 24 Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other Street

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	5	1			
B	6	PVC	5	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods

Other _____

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout In Pipe Penetration
 Other _____

ADDITIONAL COMMENTS

XXX

MANHOLE EVALUATION

Project: Mena Utilities SSES

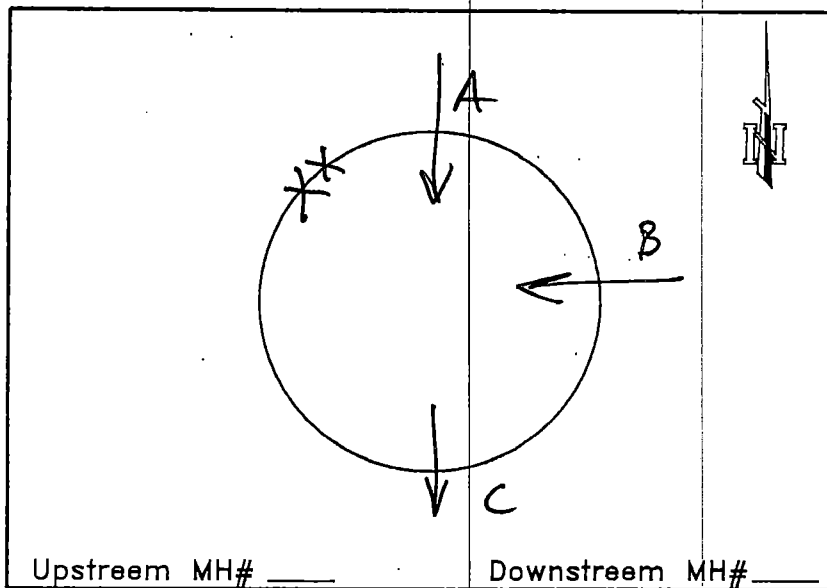
Location: 1/2 BETWEEN REEVES & AVRIIT

Basin: 1038-10

MH No. 1038

Date: 2-28 Time: _____

Inspector: (BSP)



TYPE OF MH

DESCRIPTION

- Concrete 4 ft. Diameter
- Brick/~~REINED~~ 14 ft. Depth
- Fiberglass
- Other _____ Lid Size _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	Trus	14	1			
B	1	PVC	1	2			
C	1	Trus	1	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

VERY BAD.

Rehab Comp. 8/2/2010

XXXX

MANHOLE EVALUATION

Project: Mena Utilities SSES

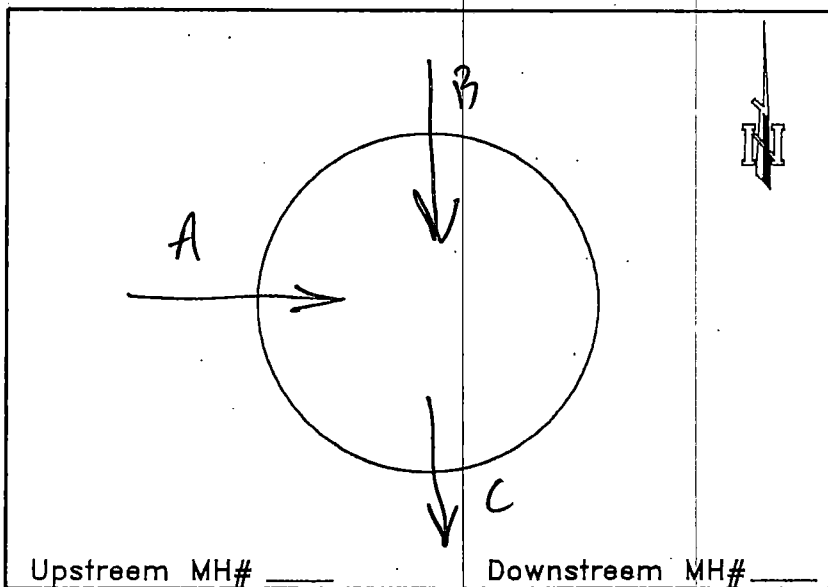
Location: VERMILION & HENSLEY

Basin: 1D

MH No. 1039

Date: 2-28 Time: _____

Inspector: (BB)



TYPE OF MH DESCRIPTION

- Concrete 4 ft. Diameter
- Brick/REINED 9.9 ft. Depth
- Fiberglass
- Other _____ Lid Size _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	Truss	9.9	1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other _____

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole in Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

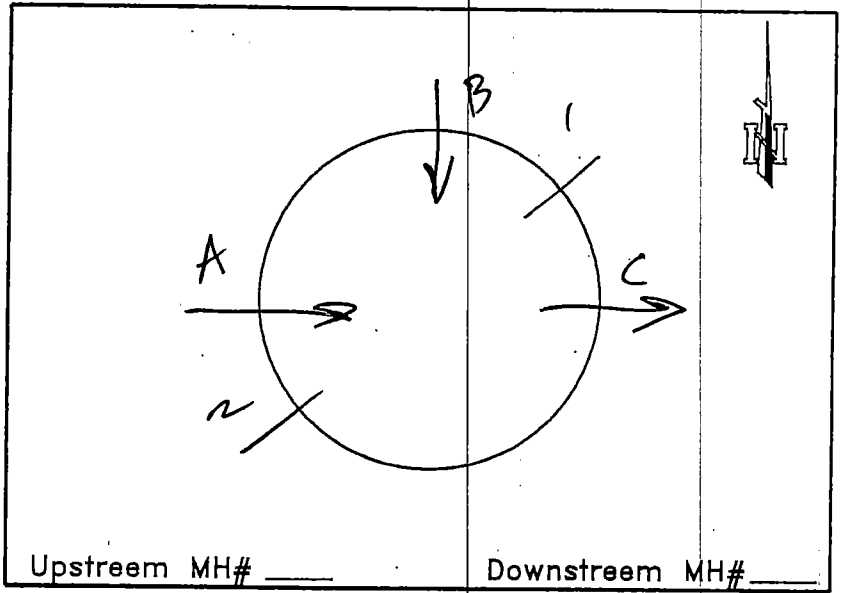
ADDITIONAL COMMENTS

"VERY BAD" *

Rehab complete 8/10/2010

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: ALLEY BETWEEN HENSLEY & AVERITT
 Basin: 10
 MH No. 1041
 Date: 2-28 Time: _____
 Inspector: (BR)



TYPE OF MH **DESCRIPTION**

Concrete _____ ft. Diameter
 Brick 8 ft. Depth
 Fiberglass
 Other _____ Lid Size

Upstream MH# _____ Downstream MH# _____

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	TRUSS	8	1	4	PVC	8
B	8	PVC	4	2	4	1	8
C	8	TRUSS	8	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS

Rehab Complete 10/13/2010

XX

MANHOLE EVALUATION

Project: Mena Utilities SSES

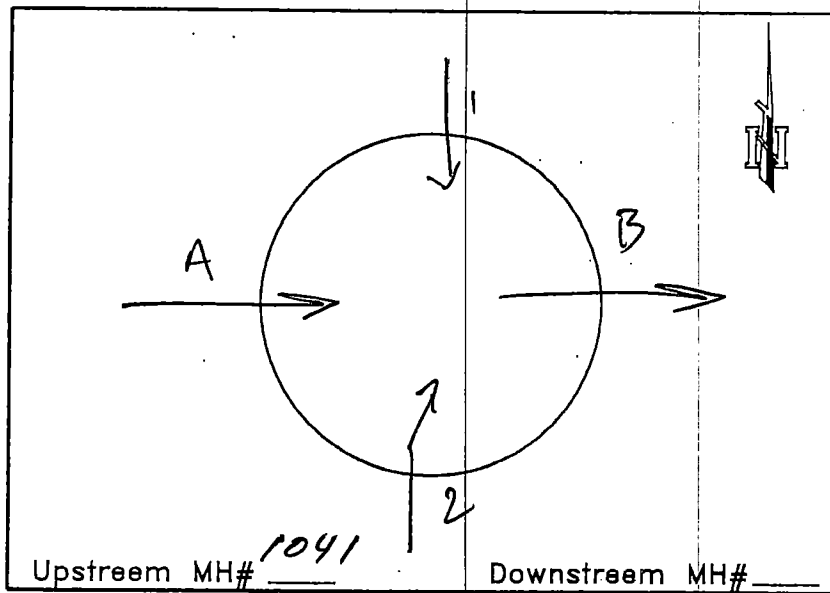
Location: ALLEY OFF VERMILLION .
BETWEEN AVERITT & HEASLEY .

Basin: 10

MH No. 1041 B

Date: 2-28 Time: _____

Inspector: BN



TYPE OF MH

DESCRIPTION

- Concrete _____ ft. Diameter
- Brick 4.4 ft. Depth
- Fiberglass _____
- Other _____ Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	4.4	1	4	PVC	4.4
B	1	1	1	2	1	1	1
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

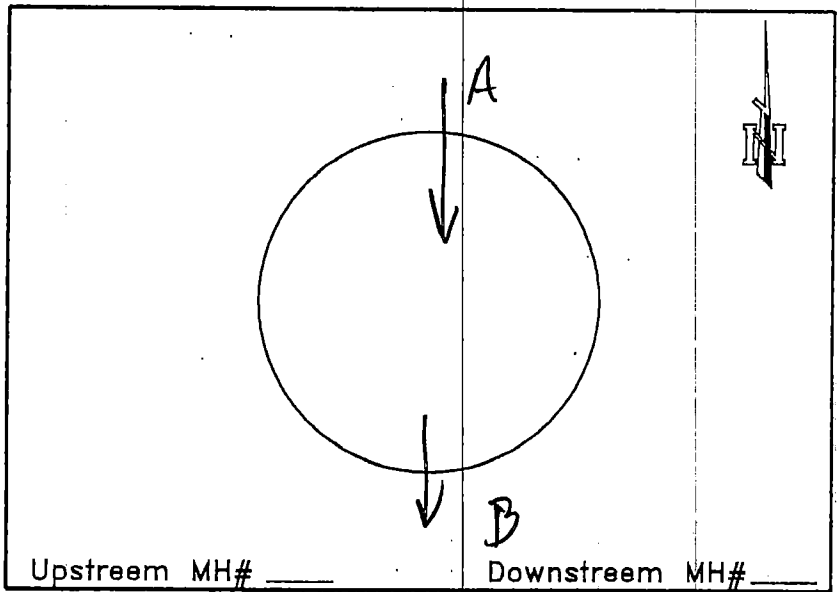
- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

INI

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: IN LOT OF 2200 HENSLEY.
 Basin: 10
 MH No. 1042
 Date: 2-28 Time: _____
 Inspector: BA



TYPE OF MH

DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 3.1 ft. Depth
- Fiberglass _____ Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	3.7	1			
B	1	PVC	1	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

- Conc.Pavement Sidewalk
- Asph.Pavement Yard/Field
- Gravel Woods

Other _____

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS LIGHT INJ. ON HILL.



MANHOLE EVALUATION

Project: Mena Utilities SSES

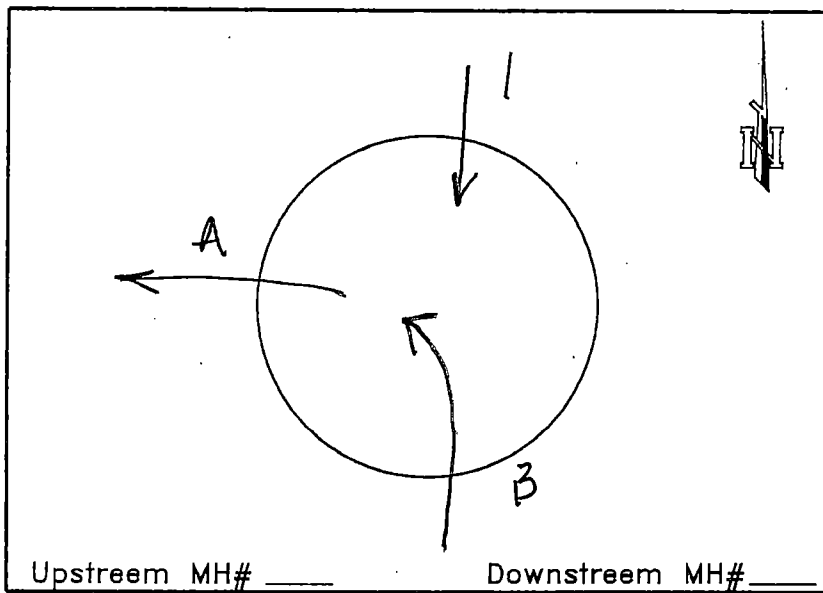
Location: 500 BLAKE CIR.

Basin: 5

MH No. 1055

Date: 2-23 Time: _____

Inspector: 1010



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick _____ ft. Diameter
- Fiberglass _____ ft. Diameter
- Other _____ ft. Diameter
- _____ ft. Depth
- _____ Lid Size

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

COVER OVER MANHOLE

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	6.6	1	4	PVC	4.7
B	6	1	1	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS

BAD M/H. MANHOLE IN BAD SHAPE NEED TO CHECK FOR FILL WHEN WATER ~~IS~~ 15 UP.

EXHIBIT F
Manhole Evaluation Reports:
Improvements Recommended
(RegROUT Top Cone & Lid)



MANHOLE EVALUATION

Project: Mena Utilities SSES

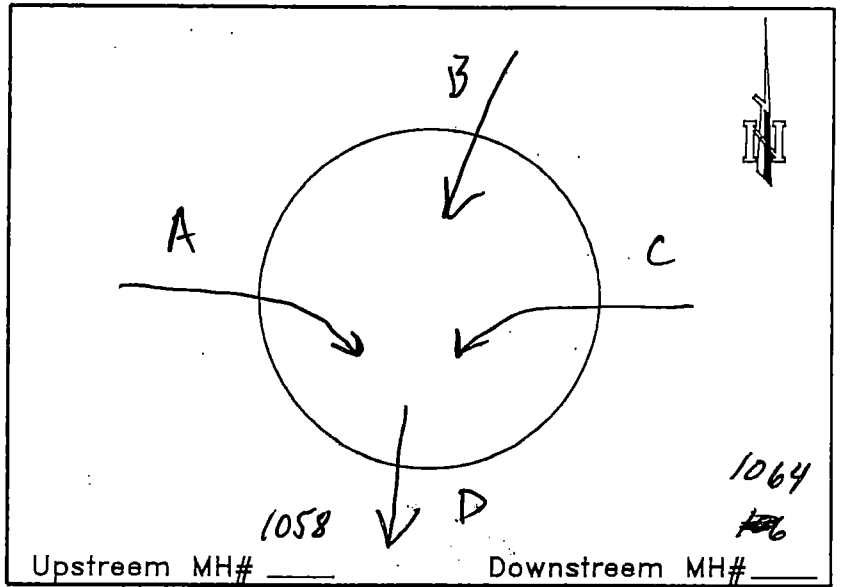
Location: ON CARTER BETWEEN LUNA & TURNER.

Basin: _____

MH No. 1059

Date: 2-28 Time: _____

Inspector: BPD



TYPE OF MH

DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 4.4 ft. Depth
- Fiberglass _____
- Other _____ Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other IN DITCH.

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC		1			
B	8	TRUSS		2			
C	10			3			
D	10			4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole in Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other RAISE & RELINED

ADDITIONAL COMMENTS NEEDS RAISED OR RAIN CAPTED.

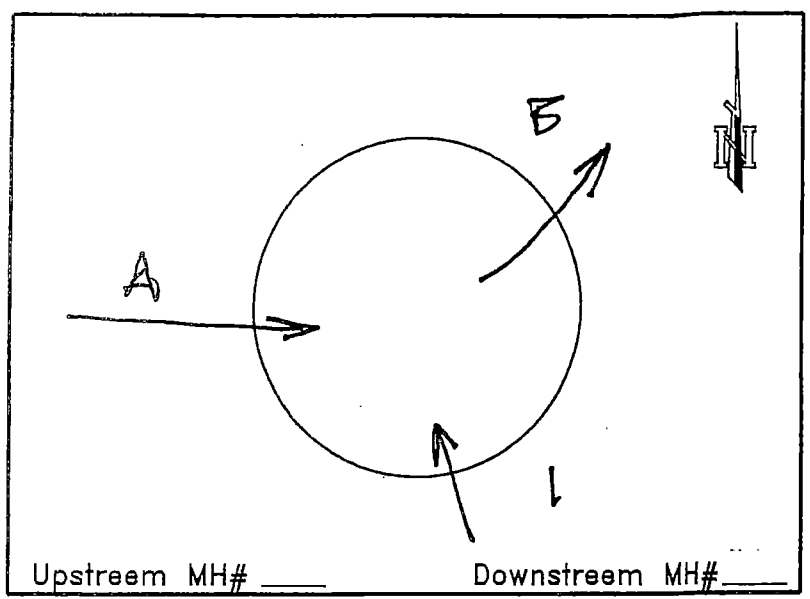
EXHIBIT F
Manhole Evaluation Reports:
Improvements Recommended
(Seal Inside of Manhole)

See note *??



MANHOLE EVALUATION 12

Project: Mena Utilities SSES
 Location: 805 DALLAS
 Basin: 12
 MH No. 290
 Date: 7.2.10 Time: _____
 Inspector: BB



TYPE OF MH **DESCRIPTION**

Concrete _____ ft. Diameter
 Brick _____ ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A		CLAY		1		PVC	
B		S		2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

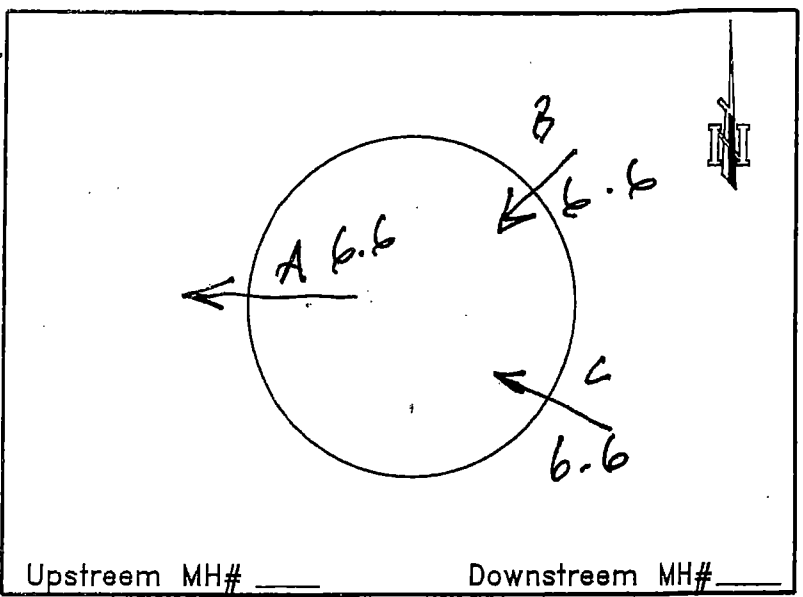
ADDITIONAL COMMENTS

* Previous SSES listed this manhole for complete replacement now suggested seal inside - on D.B.

MANHOLE EVALUATION

12

Project: Mena Utilities SSES
 Location: FOREST ST. GILNAN
 Basin: 12
 MH No. 689
 Date: 7.1.10 Time: _____
 Inspector: (BA)



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter
 Brick
 Fiberglass 6.6 ft. Depth
 Other 23.5 Lid Size

Upstream MH# _____ Downstream MH# _____

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	Inst	6.6	1			
B	8	S	S	2			
C	8	S	S	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods

Other _____

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS SMOKE COMEING FROM AROUND THE OUTSIDE OF M/H.

Previous SSES listed this manhole for complete replacement - now suggests - seal inside

MANHOLE EVALUATION

Project: Mena Utilities SSES

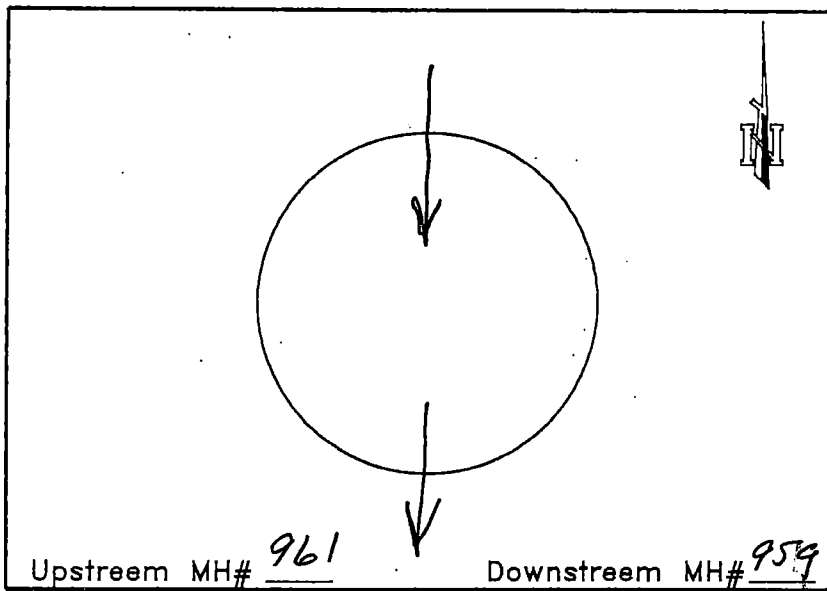
Location: 205 N. ADAMS

Basin: 5

MH No. 960

Date: 2-24 Time: _____

Inspector: BB



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
 Brick RED 4.7 ft. Depth
 Fiberglass _____
 Other _____ Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A				1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole in Lid
 Other LEAKING @ BASE

REHABILITATION (in office)

- Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____



MANHOLE EVALUATION

Project: Mena Utilities SSES

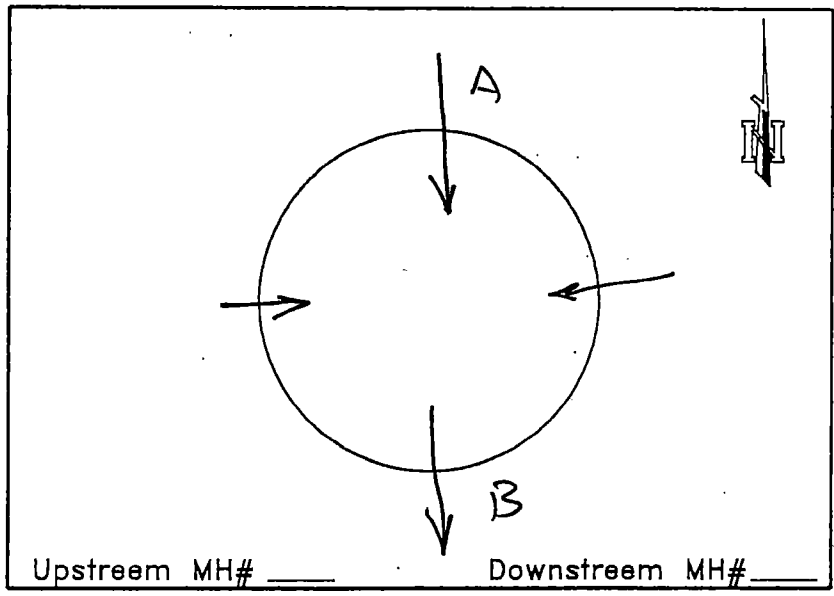
Location: 303 N. ADAMS.

Basin: 5

MH No. 961

Date: 2-24 Time: _____

Inspector: (BB)



TYPE OF MH DESCRIPTION

Concrete 4 ft. Diameter

Brick (RED) 4.7 ft. Depth

Fiberglass

Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	CLAY	4.7	1	4	PVC	4.0
B	1	1	1	2	4	ORG. BERGZ	4.0
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc. Pavement Sidewalk

Asph. Pavement Yard/Field

Gravel Woods

Other _____

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations

Service Penetrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

Grout in Pipe Penetration

Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

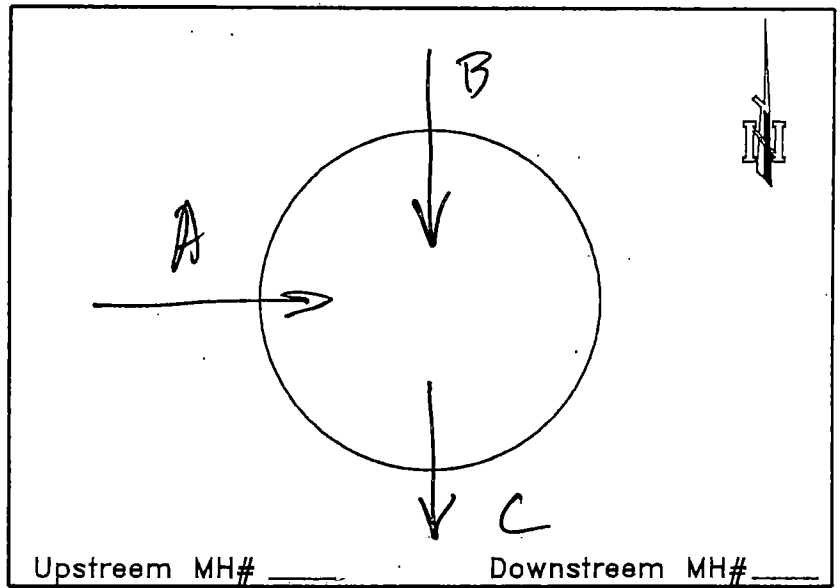
Location: 303 W. BOUNDARY.

Basin: 5

MH No. 1019 1/4 (A)

Date: 2-23 Time: _____

Inspector: BR



TYPE OF MH DESCRIPTION

Concrete _____ ft. Diameter

Brick 5.3 ft. Depth

Fiberglass _____ Lid Size

Other _____

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

COVER OVER MANHOLE

Conc. Pavement Sidewalk

Asph. Pavement Yard/Field

Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	PVC	5.3	1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations

Service Penetrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole in Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

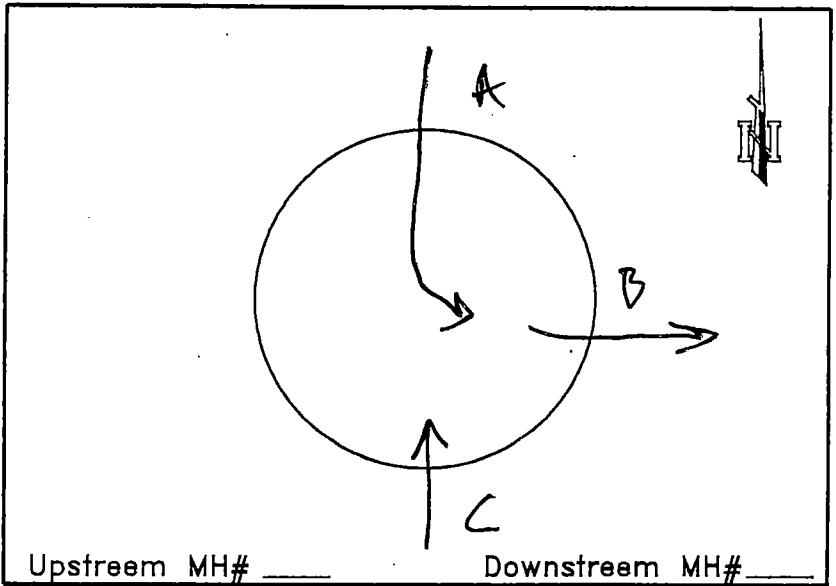
Grout in Pipe Penetration

Other _____

ADDITIONAL COMMENTS THIS M/H HAS BEEN REHABED
BUT STILL LEAKING FROM WALL
AND AROUND PIPE

MANHOLE EVALUATION

Object: Mena Utilities SSES
 Location: 603 W. BOUNDARY.
 Basin: 5
 MH No. 1022
 Date: 2-23 Time: _____
 Inspector: (BB)



TYPE OF MH **DESCRIPTION**
 Concrete 4 ft. Diameter
 Brick
 Fiberglass 13 ft. Depth
 Other _____ Lid Size

TYPE OF PROPERTY
 Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	Truss	13	1			
B	10	Truss	13	2			
C	6	PVC	4.4	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE
 Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

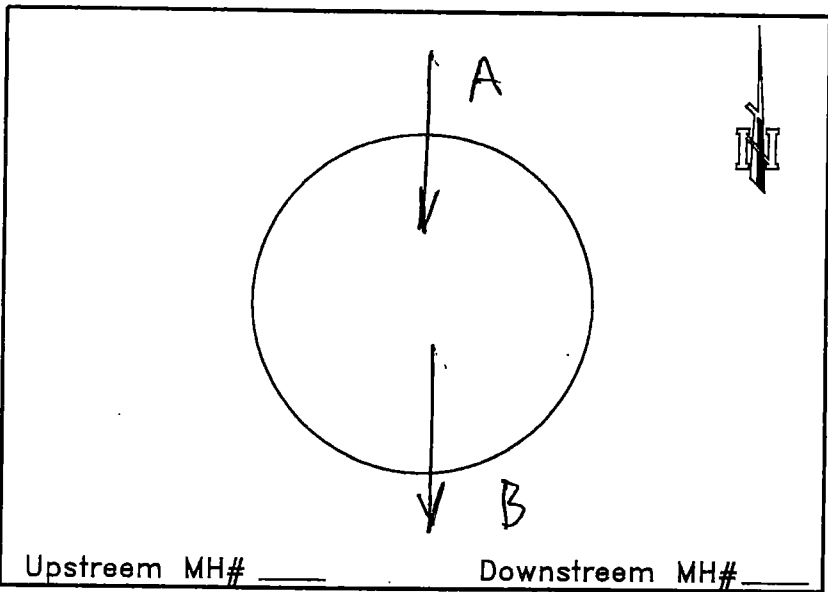
Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS SEEPING THROUGH WALL 1/2 UP



MANHOLE EVALUATION

Object: Mena Utilities SSES
 Location: N. EVE
 Basin: 5
 MH No. 1068
 Date: 2-23 Time: _____
 Inspector: _____



TYPE OF MH DESCRIPTION

Concrete 4 ft. Diameter
 Brick 5 ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	PVC	5	1			
B	8		5	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods

Other _____

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration

Other _____

ADDITIONAL COMMENTS

LIGHT INI (NOT BAD)
SEEPING THROUGH CONN. WALL.

XX

MANHOLE EVALUATION

Project: Mena Utilities SSES

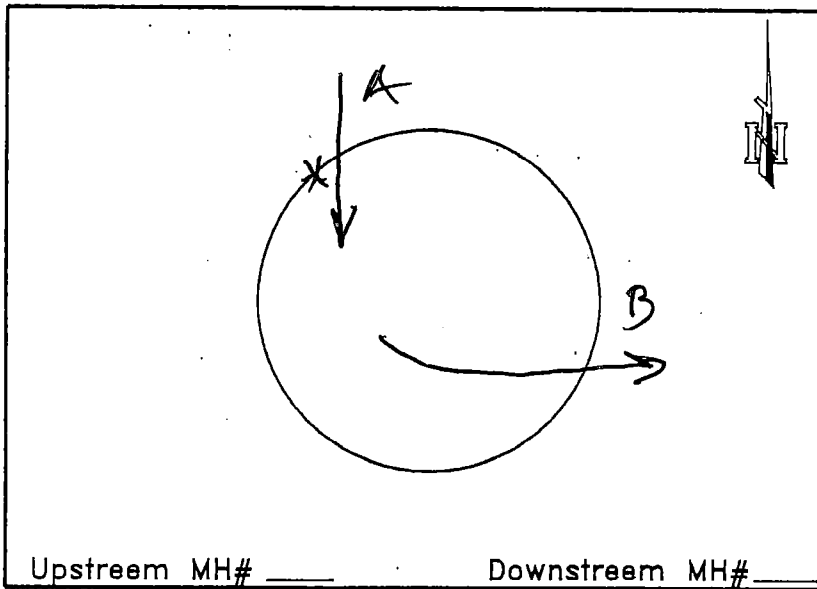
Location: 1119 CRESCENT

Basin: 10

MH No. 1075

Date: 3-2 Time: _____

Inspector: (Signature)



TYPE OF MH DESCRIPTION

Concrete 4 ft. Diameter

Brick 3.5 ft. Depth

Fiberglass

Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

COVER OVER MANHOLE

Conc.Pavement Sidewalk

Asph.Pavement Yard/Field

Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	3.5	1			
B	1	1	1	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations

Service Penitrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

Grout In Pipe Penetration

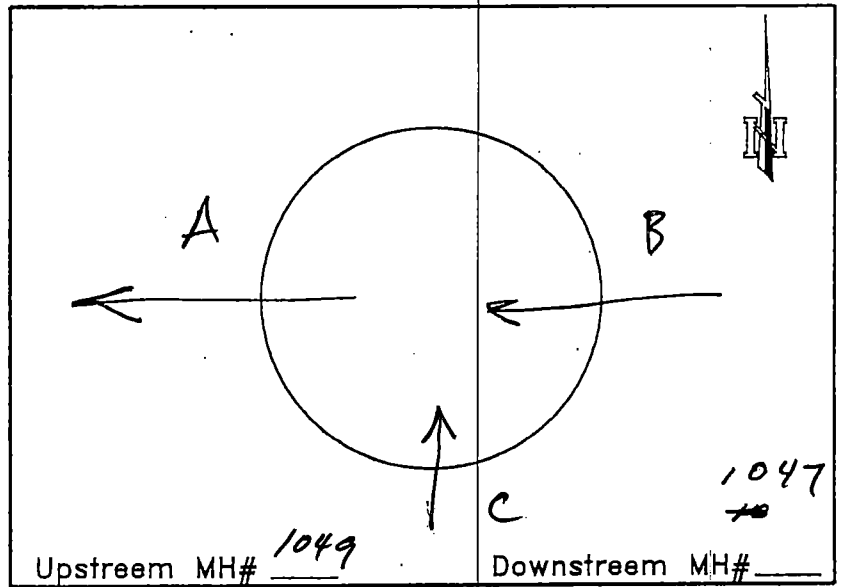
Other _____

ADDITIONAL COMMENTS HAS INI COMING FROM AROUND MAIN PIPE.

EXHIBIT F
Manhole Evaluation Reports:
Improvements Recommended
(Rebuild Bench)

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: @ BRANDON FAVERITT
 Basin: 10
 MH No. 1048
 Date: 2-28 Time: _____
 Inspector: (BA)



TYPE OF MH

DESCRIPTION

- Concrete _____ ft. Diameter
- Brick _____ ft. Depth
- Fiberglass _____ Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	Iron		1			
B	10	↓		2			
C	10	PVC		3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole in Lid
- Other _____

REHABILITATION (in office)

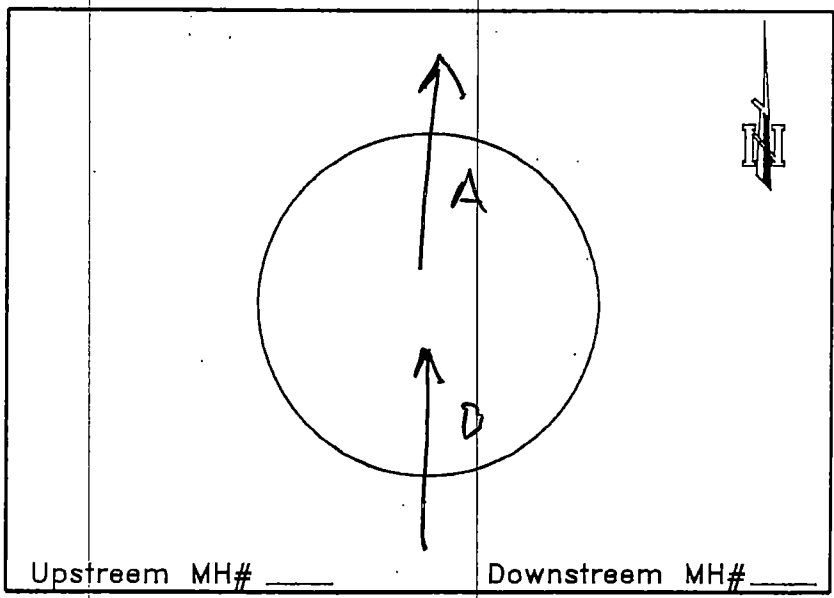
- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

X X X

Project: Mena Utilities SSES
 Location: 1202 BRANDON DRIVE
 Basin: 10
 MH No. 1048 B
 Date: 2-28 Time: _____
 Inspector: (RM)



TYPE OF MH DESCRIPTION

Concrete 4 ft. Diameter
 Brick
 Fiberglass 9.7 ft. Depth
 Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	Pvc	9.7	1			
B	10	1	9.7	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods

Other _____

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout In Pipe Penetration
 Other _____

ADDITIONAL COMMENTS BASE OF M/H LEAK.

EXHIBIT F
Manhole Evaluation Reports:
Improvements Recommended
(Grout in Pipe Penetration)

MANHOLE EVALUATION

Project: Mena Utilities SSES

Location: (M) 10 1/2 Hth ON. CHURCH.

Basin: 6

MH No. 513

Date: _____ Time: _____

Inspector: [Signature]

TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick _____ ft. Depth
- Fiberglass _____ Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

MANHOLE CONDITION

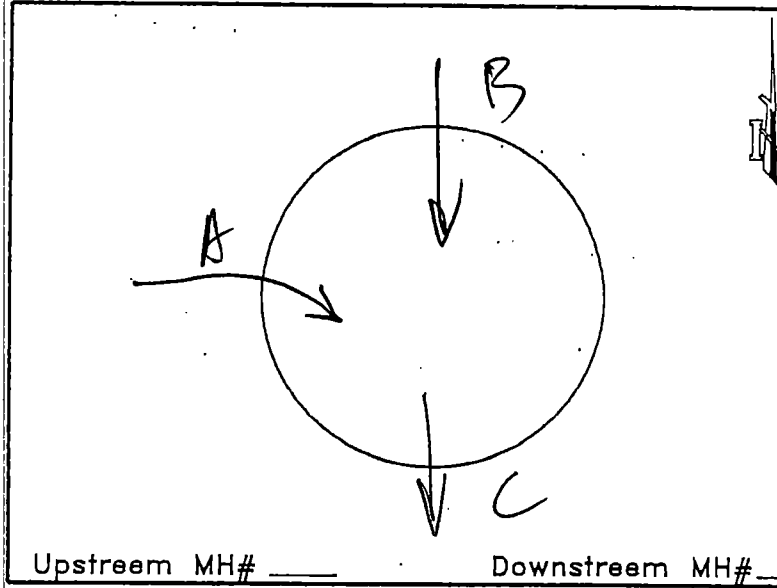
- Good
- Fair
- Poor
- Debris In Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & I
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____



Main Line	Size	Type	Depth	Service Line	Size	Type	De
A	8	CLAY		1			
B	10	PVC		2			
C	10	CL		3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile
C-Concrete

ADDITIONAL COMMENTS

* CHECK IN RAIN.

MANHOLE EVALUATION

18

Project: Mena Utilities SSES

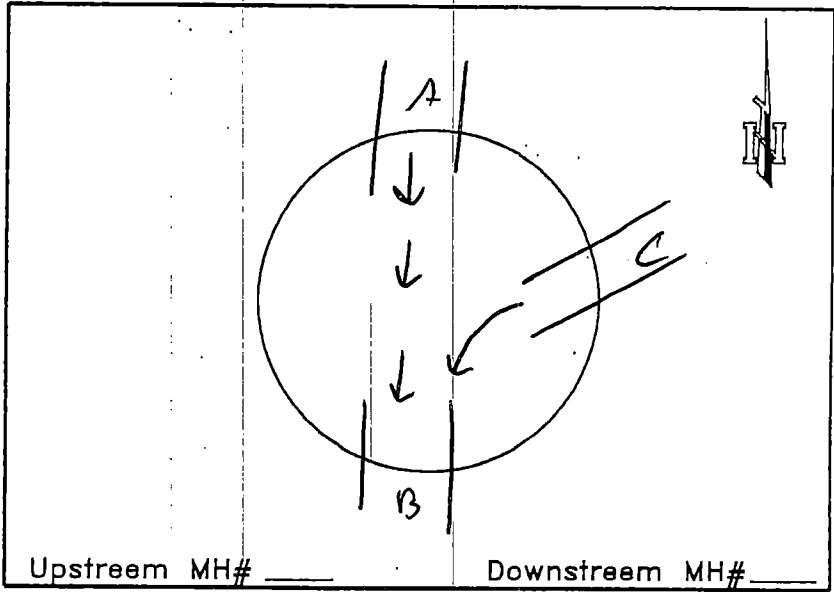
Location: G'ite away Thaj G'iss Flom
Hidden valley Road TO Heavenly g'ic'is

Basin: 18

MH No. 648

Date: 2/28/11 Time: _____

Inspector: Boody



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter

Brick 3 1/2 ft. Depth

Fiberglass

Other 23 1/2 Lid Size

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other G'ite away

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	PVC	3 1/2	1			
B	8	PVC	3 1/2	2			
C	6	PVC	3 1/2	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc.Pavement Sidewalk

Asph.Pavement Yard/Field

Gravel Woods

Other _____

MANHOLE CONDITION

Good

Fair

Poor

Debris In Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations

Service Penitrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

Grout In Pipe Penetration

Other _____

ADDITIONAL COMMENTS

Bottom of manhole is gone

XXX

MANHOLE EVALUATION

Project: Mena Utilities SSES

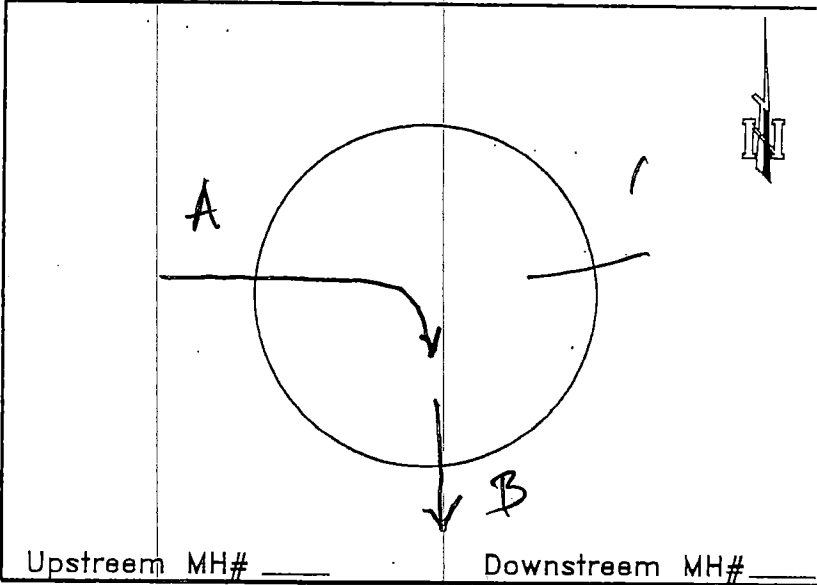
Location: THAILA & STEPHENS

Basin: 10

MH No. 891

Date: 3-2 Time: _____

Inspector: (BB)



TYPE OF MH DESCRIPTION

Concrete _____ ft. Diameter

Brick _____ ft. Depth

Fiberglass _____ Lid Size

Other _____

TYPE OF PROPERTY

Residence Traller Park

Business Vacant Lot

Apartment Other _____

COVER OVER MANHOLE

Conc.Pavement Sidewalk

Asph.Pavement Yard/Field

Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	TR	14	1	4	PVC	4'
B	10	TR	14	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations

Service Penitrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

Grout In Pipe Penetration

Other _____

ADDITIONAL COMMENTS BOTTOM OF MANHOLE HAS GOOD STREAM OF INFI COMEING FROM BASE OF M/H.

ALSO LOOKS TO HAVE INFI WHEN RAIN/ H₂O IS HIGH FROM SERVICE.

XX

MANHOLE EVALUATION

Project: Mena Utilities SSES

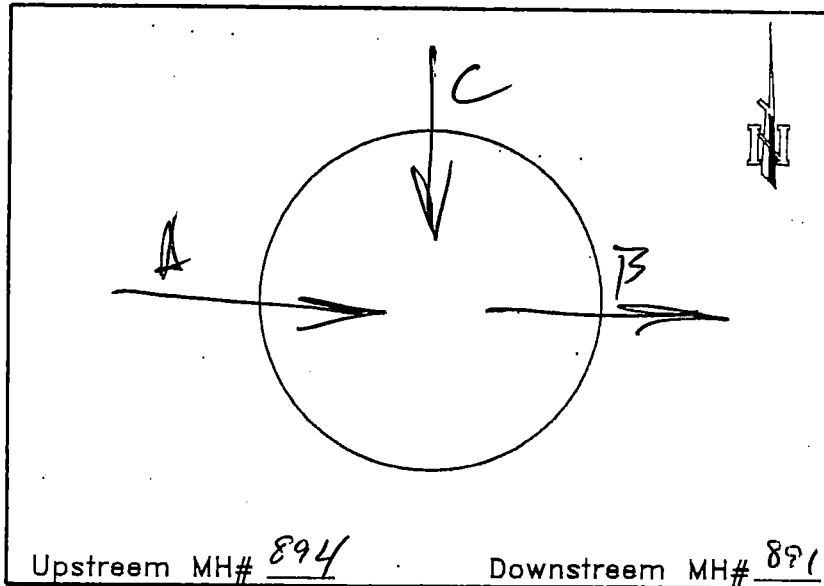
Location: 18 07- THA HALA

Basin: 10

MH No. 893

Date: 3-2 Time: _____

Inspector: (Signature)



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick _____ ft. Depth
- Fiberglass _____ Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	Truss		1			
B	10	l		2			
C	Ab	PVC		3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

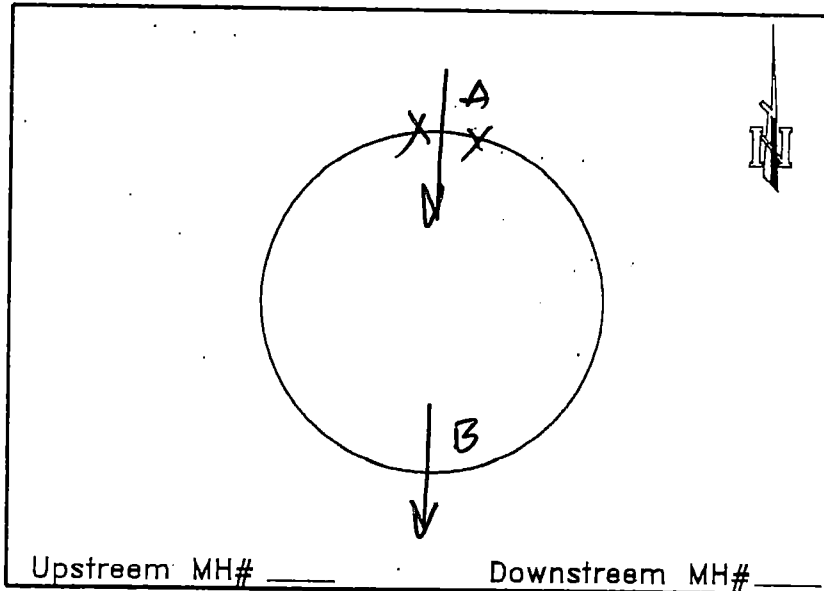
REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS JNI COMING FROM AROUND 6" (C)

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: MT. CALVARY Cem. ON EVE
 Basin: 10
 MH No. 898
 Date: 3-2 Time: _____
 Inspector: BS



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>7</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY	
<input type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input checked="" type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input type="checkbox"/> Asph. Pavement	<input checked="" type="checkbox"/> <u>Yard</u> /Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	5	1			
B	10	10	7	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION	
<input type="checkbox"/> Good	
<input type="checkbox"/> Fair	
<input checked="" type="checkbox"/> Poor	
<input type="checkbox"/> Debris in Flowline	
<input type="checkbox"/> Debris on Bench	
<input type="checkbox"/> Evidence of Surcharge	
<input type="checkbox"/> Evidence of Infiltration	
<input type="checkbox"/> Other _____	

SOURCE OF LEAK	
<input checked="" type="checkbox"/> Main Line Pipe Penetrations	
<input type="checkbox"/> Service Penetrations	
<input type="checkbox"/> Manhole Joints	
<input type="checkbox"/> Cone Broken	
<input type="checkbox"/> Lid Broken	
<input type="checkbox"/> Lid Missing	
<input type="checkbox"/> Hole in Lid	
<input type="checkbox"/> Other _____	

REHABILITATION (in office)	
<input type="checkbox"/> Replace Manhole	
<input type="checkbox"/> Clean-out Manhole	
<input type="checkbox"/> Re-Build Bench	
<input type="checkbox"/> Replace Ring & Cover	
<input type="checkbox"/> Re-Grout Top Cone & Lid	
<input type="checkbox"/> Seal Inside of Manhole	
<input checked="" type="checkbox"/> Grout in Pipe Penetration	
<input type="checkbox"/> Other _____	

ADDITIONAL COMMENTS COMING FROM AROUND PIPE.

MANHOLE EVALUATION

Project: Mena Utilities SSES

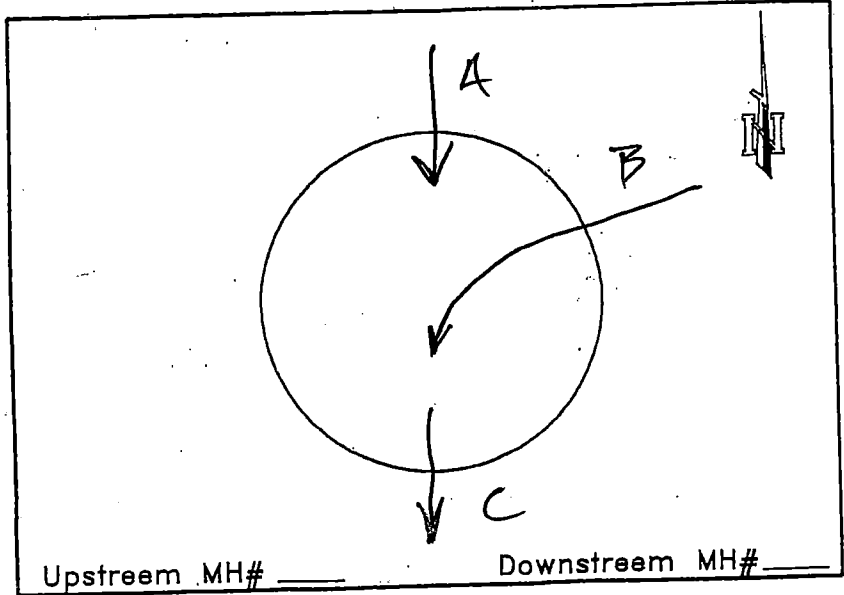
Location: 405 N. BOUNDARY.

Basin: 5

MH No. 1019

Date: 2-23 Time: _____

Inspector: (BA)



TYPE OF MH **DESCRIPTION**

Concrete _____ ft. Diameter

Brick 4 ft. Depth

Fiberglass _____ Lid Size

Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	PVC	4.00	1			
B	1	Tuss	4	2			
C	1	1	4	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc. Pavement Sidewalk

Asph. Pavement Yard/Field

Gravel Woods

Other _____

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations

Service Penitrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole in Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

Grout in Pipe Penetration

Other _____

ADDITIONAL COMMENTS JNI FROM AROUND PIPE.



MANHOLE EVALUATION

Subject: Mena Utilities SSES

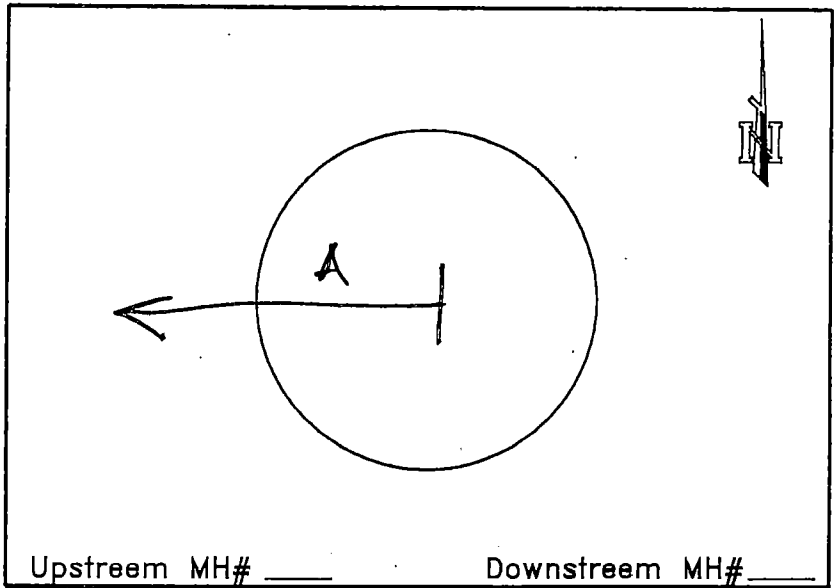
Location: 2605 CHURCH.

Basin: 5

MH No. 1021 1/4

Date: 2-23 Time: _____

Inspector: (BAD)



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick _____ ft. Depth
- Fiberglass _____ Lid Size
- Other _____

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PVC	4	1			
B				2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS _____



MANHOLE EVALUATION

Object: Mena Utilities SSES

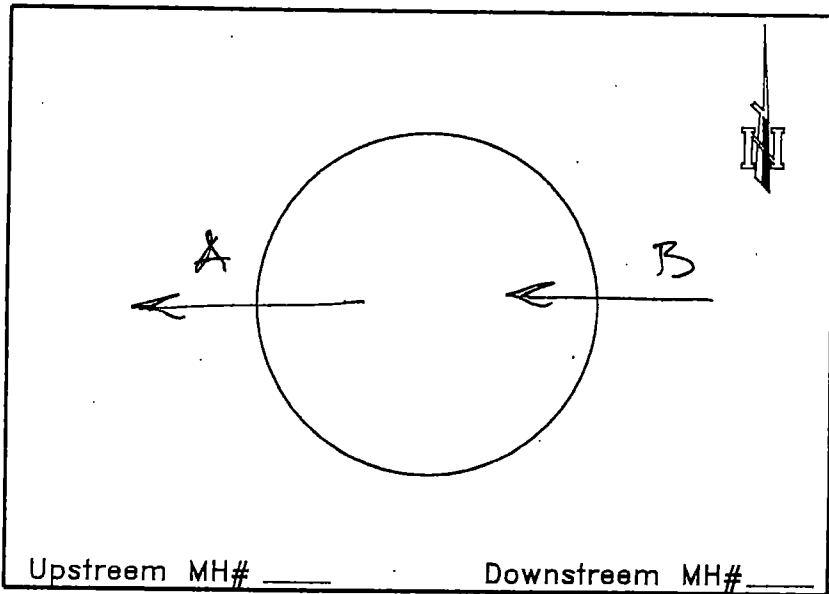
Location: 2108 CHURCH.

Basin: 5

MH No. 1054

Date: 2-23 Time: _____

Inspector: BR



TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick _____
- Fiberglass 3 ft. Depth
- Other _____ Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other _____

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	Truss	3.0	1			
B	8	Pvc	3.0	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS LIGHT INJ

XX

MANHOLE EVALUATION

Project: Mena Utilities SSES

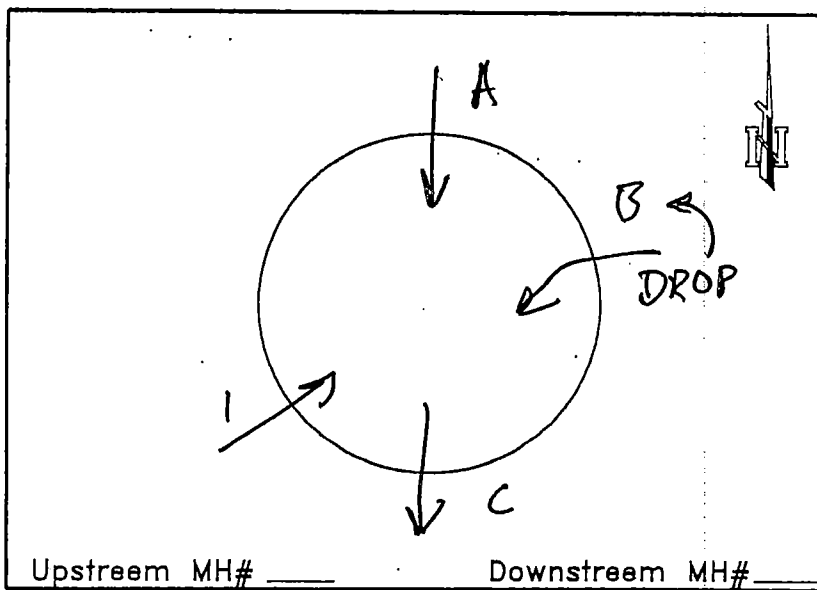
Location: 2700 MILLER.

Basin: 10

MH No. 1038

Date: 3-2 Time: _____

Inspector: (38)



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	_____ ft. Diameter
<input type="checkbox"/> Brick	_____ ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input type="checkbox"/> Asph. Pavement	<input checked="" type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other <u>DITCH</u>	

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	P	19.8	1	4	PVC	3
B	6	V	6.	2			
C	8	C	19.8	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION
<input type="checkbox"/> Good
<input type="checkbox"/> Fair
<input checked="" type="checkbox"/> Poor
<input type="checkbox"/> Debris In Flowline
<input type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surcharge
<input type="checkbox"/> Evidence of Infiltration
<input type="checkbox"/> Other _____

SOURCE OF LEAK
<input type="checkbox"/> Main Line Pipe Penetrations
<input checked="" type="checkbox"/> Service Penetrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole In Lid
<input type="checkbox"/> Other _____

REHABILITATION (in office)
<input type="checkbox"/> Replace Manhole
<input type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top Cone & Lid
<input type="checkbox"/> Seal Inside of Manhole
<input checked="" type="checkbox"/> Grout In Pipe Penetration
Other _____

ADDITIONAL COMMENTS GOOD M/H. HAS INI COMEING FROM AROUND 4' SERVICE @ 3' Deep.

MANHOLE EVALUATION

Project: Mena Utilities SSES

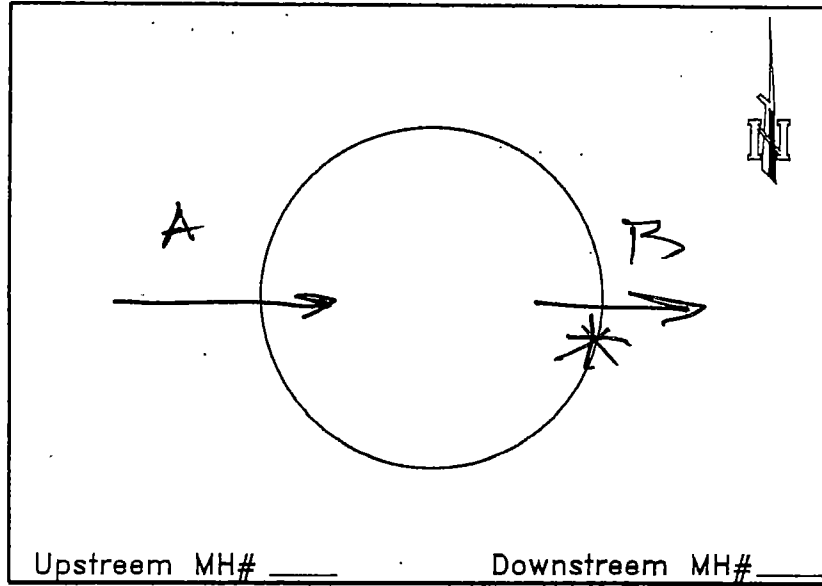
Location: 1139 CRESCENT

Basin: 10

MH No. 1074 B

Date: 3-2 Time: _____

Inspector: (Bte)



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter

Brick 6 ft. Depth

Fiberglass _____ Lid Size

Other _____

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

COVER OVER MANHOLE

Conc. Pavement Sidewalk

Asph. Pavement Yard/Field

Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	PV	6	1			
B	1	C	4	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations

Service Penetrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole in Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

Grout in Pipe Penetration

Other _____

ADDITIONAL COMMENTS INFL COMEING FROM AROUND MAIN PIPE

EXHIBIT F
Manhole Evaluation Reports:
Improvements Recommended
(Clean Out Manhole)

MANHOLE EVALUATION

Project: Mena Utilities SSES

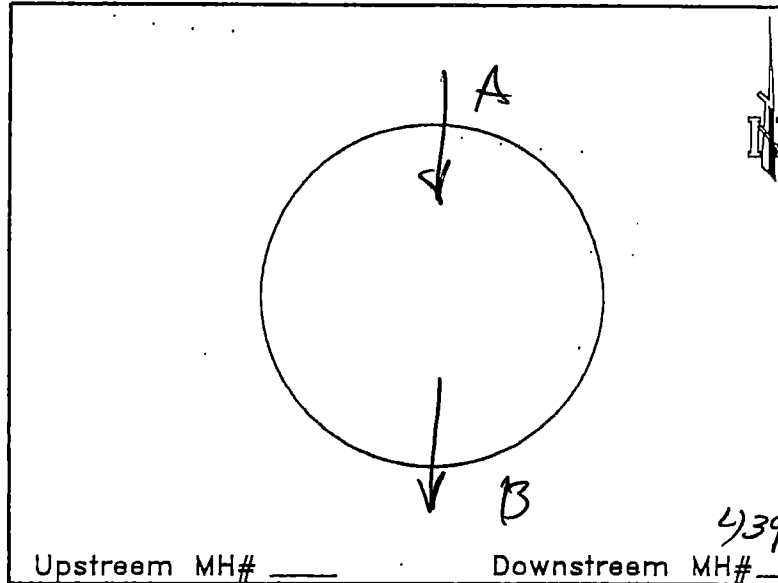
Location: HICKORY 7.7 ± 6

Basin: 6

MH No. 493 B

Date: 3-2 Time: _____

Inspector: BB



Upstream MH# _____

Downstream MH# _____

TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	_____ ft. Diameter
<input type="checkbox"/> Brick	<u>2.6</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____ Lid Size

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A	6	CL	2.6	1			
B	6	CL	2.6	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ducti
C-Concrete

MANHOLE CONDITION	
<input type="checkbox"/> Good	
<input checked="" type="checkbox"/> Fair	
<input type="checkbox"/> Poor	
<input type="checkbox"/> Debris in Flowline	
<input checked="" type="checkbox"/> Debris on Bench	
<input type="checkbox"/> Evidence of Surcharge	
<input type="checkbox"/> Evidence of Infiltration	
<input type="checkbox"/> Other _____	

SOURCE OF LEAK	
<input type="checkbox"/> Main Line Pipe Penetrations	
<input type="checkbox"/> Service Penitrations	
<input type="checkbox"/> Manhole Joints	
<input type="checkbox"/> Cone Broken	
<input type="checkbox"/> Lid Broken	
<input type="checkbox"/> Lid Missing	
<input type="checkbox"/> Hole In Lid	
<input type="checkbox"/> Other _____	

REHABILITATION (in office)	
<input checked="" type="checkbox"/> Replace Manhole	
<input checked="" type="checkbox"/> Clean-out Manhole	
<input type="checkbox"/> Re-Build Bench	
<input type="checkbox"/> Replace Ring & Cover	
<input type="checkbox"/> Re-Grout Top Cone &	
<input type="checkbox"/> Seal Inside of Manhole	
<input type="checkbox"/> Grout In Pipe Penetratio	
Other _____	

ADDITIONAL COMMENTS _____

MANHOLE EVALUATION

Project: Mena Utilities SSES

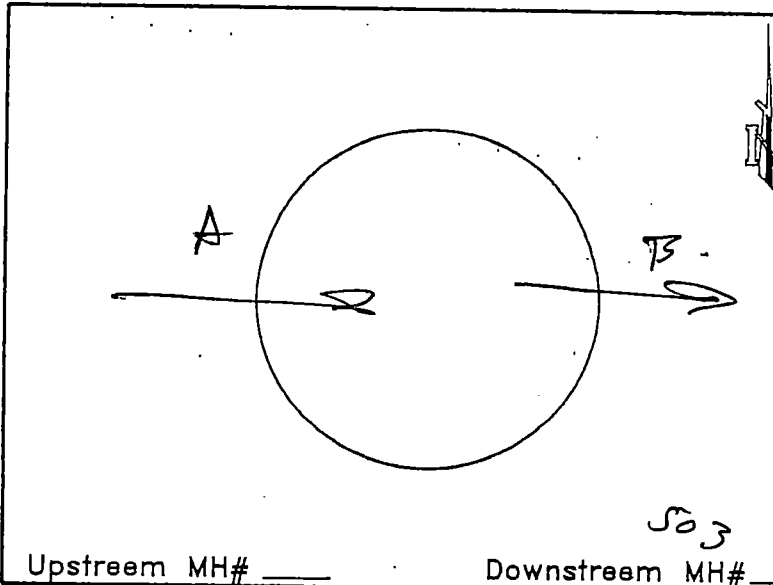
Location: 1300 MAGNOLA.

Basin: 6

MH No. 504

Date: 3-7 Time: _____

Inspector: (PMD)



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input checked="" type="checkbox"/> Brick <u>RED</u>	<u>5</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____ Lid Size

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input checked="" type="checkbox"/> Asp. Pavement	<input type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	De
A	8	CL	<u>5</u>	1			
B	8	CL	<u>5</u>	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductil
C-Concrete

MANHOLE CONDITION
<input type="checkbox"/> Good
<input checked="" type="checkbox"/> Fair
<input type="checkbox"/> Poor
<input type="checkbox"/> Debris In Flowline
<input checked="" type="checkbox"/> Debris on Bench
<input type="checkbox"/> Evidence of Surcharge
<input type="checkbox"/> Evidence of Infiltration
<input type="checkbox"/> Other _____

SOURCE OF LEAK
<input type="checkbox"/> Main Line Pipe Penitrations
<input type="checkbox"/> Service Penitrations
<input type="checkbox"/> Manhole Joints
<input type="checkbox"/> Cone Broken
<input checked="" type="checkbox"/> Lid Broken
<input type="checkbox"/> Lid Missing
<input type="checkbox"/> Hole In Lid
<input type="checkbox"/> Other _____

REHABILITATION (in office)
<input type="checkbox"/> Replace Manhole
<input checked="" type="checkbox"/> Clean-out Manhole
<input type="checkbox"/> Re-Build Bench
<input checked="" type="checkbox"/> Replace Ring & Cover
<input type="checkbox"/> Re-Grout Top Cone & L
<input type="checkbox"/> Seal Inside of Manhole
<input type="checkbox"/> Grout In Pipe Penitrator
Other _____

ADDITIONAL COMMENTS BROKEN M/H LID.

XY

MANHOLE EVALUATION

Project: Mena Utilities SSES

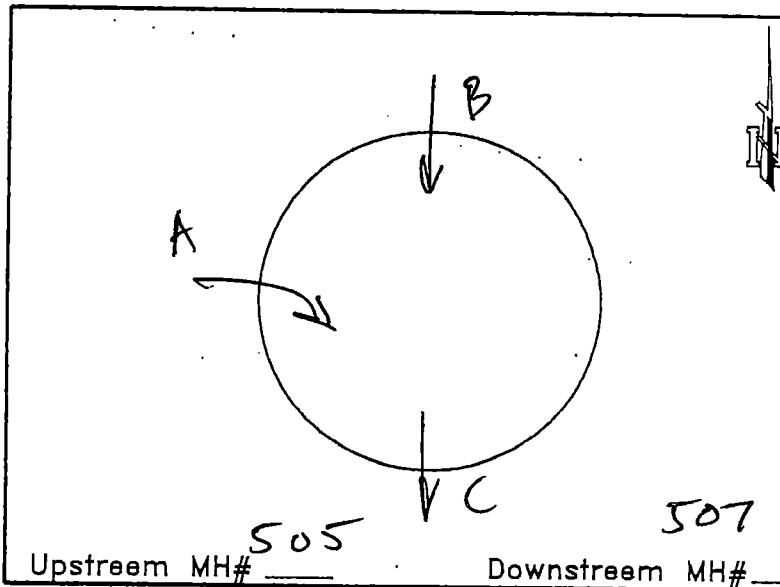
Location: ON WALNUT @ 10-11th

Basin: 6

MH No. 506

Date: _____ Time: _____

Inspector: (Signature)



TYPE OF MH	DESCRIPTION
<input checked="" type="checkbox"/> Concrete	<u>4</u> ft. Diameter
<input type="checkbox"/> Brick	<u>4.5</u> ft. Depth
<input type="checkbox"/> Fiberglass	_____ Lid Size
<input type="checkbox"/> Other	_____

TYPE OF PROPERTY	
<input checked="" type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input type="checkbox"/> Other _____

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input type="checkbox"/> Asph. Pavement	<input checked="" type="checkbox"/> Yard/Field
<input type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	? NEP	CL	4.5	1			
B	10	CL	1	2			
C	10	CL	1	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductil
C-Concrete

MANHOLE CONDITION	
<input type="checkbox"/> Good	
<input checked="" type="checkbox"/> Fair	
<input type="checkbox"/> Poor	
<input type="checkbox"/> Debris in Flowline	
<input type="checkbox"/> Debris on Bench	
<input type="checkbox"/> Evidence of Surcharge	
<input type="checkbox"/> Evidence of Infiltration	
<input type="checkbox"/> Other _____	

SOURCE OF LEAK	
<input type="checkbox"/> Main Line Pipe Penitrations	
<input type="checkbox"/> Service Penitrations	
<input type="checkbox"/> Manhole Joints	
<input type="checkbox"/> Cone Broken	
<input type="checkbox"/> Lid Broken	
<input type="checkbox"/> Lid Missing	
<input type="checkbox"/> Hole In Lid	
<input type="checkbox"/> Other _____	

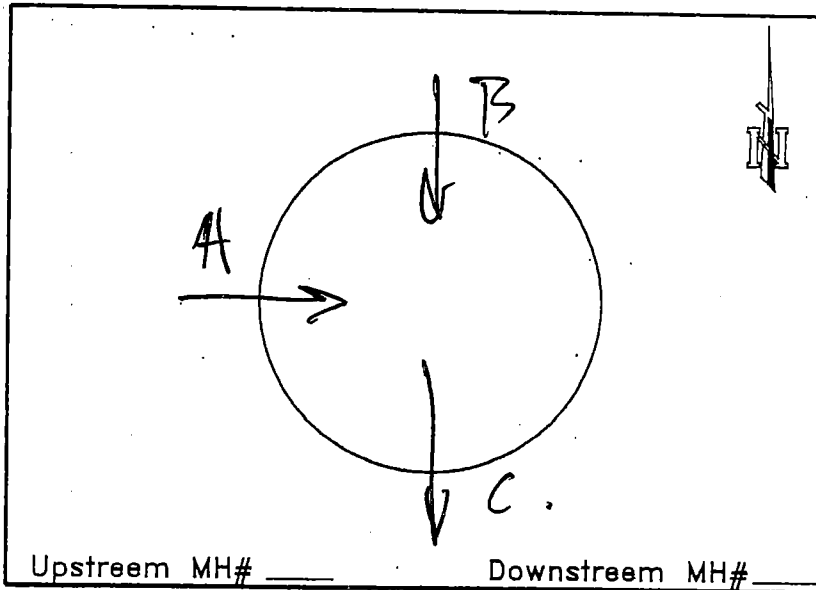
REHABILITATION (in office)	
<input type="checkbox"/> Replace Manhole	
<input checked="" type="checkbox"/> Clean-out Manhole	
<input type="checkbox"/> Re-Build Bench	
<input type="checkbox"/> Replace Ring & Cover	
<input type="checkbox"/> Re-Grout Top Cone & L	
<input type="checkbox"/> Seal Inside of Manhole	
<input type="checkbox"/> Grout In Pipe Penitrator	
<input type="checkbox"/> Other _____	

ADDITIONAL COMMENTS _____

* NEED VACED OUT.

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: CARTER & REINE,
 Basin: 6
 MH No. 527
 Date: 3-7 Time: _____
 Inspector: (Signature)



TYPE OF MH **DESCRIPTION**

Concrete 4 ft. Diameter
 Brick (RED) 5 ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY

Residence Traller Park
 Business Vacant Lot
 Apartment Other _____

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	CL	5.0	1			
B	6			2			
C	6			3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout In Pipe Penetration
 Other _____

ADDITIONAL COMMENTS _____

EXHIBIT G
Manhole Evaluation Reports:
Improvements Completed

ALL on D.B.
Completed Improvements
53 on D.B.
5-Need comp. dates



MANHOLE EVALUATION FORMS: IMPROVEMENTS COMPLETED

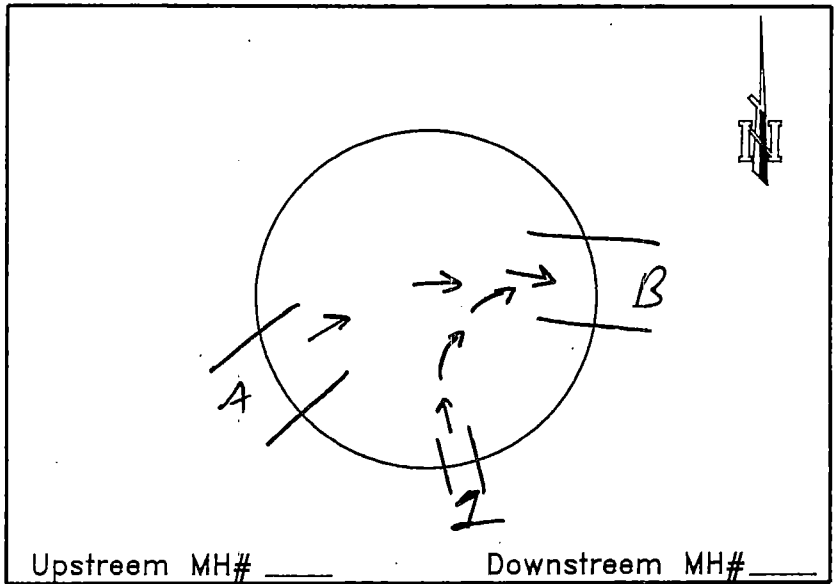
Manhole No.	Manhole Condition	Repair Completed	Date of Repair
208	GOOD	Relined	2/23/2011
323	GOOD	Relined	2/23/2011
358	GOOD	Relined	2/23/2011
373	FAIR	Relined	2/25/2011
448	FAIR	Relined	3/2/2011
567	GOOD	Relined	2/24/2011
582	<i>no dates</i> GOOD	Relined	3/2/2011
598	GOOD	Raised & Relined	2/23/2011
599	GOOD	Raised & Relined	2/23/2011
600	GOOD	Raised & Relined	2/23/2011
601	GOOD	Raised & Relined	2/23/2011
602	GOOD	Raised & Relined	2/23/2011
603	GOOD	Raised & Relined	2/23/2011
605	GOOD	Raised & Relined	2/23/2011
646	GOOD	Relined	2/24/2011
660	GOOD	Relined	2/24/2011
786	GOOD	Relined	2/24/2011
823	GOOD	Relined	2/25/2011
922	FAIR	Relined	2/24/2011
927	GOOD	Relined	2/24/2011
950	<i>no data</i> FAIR	Relined	2/25/2011
1038	GOOD	Relined	2/23/2011
1039	GOOD	Relined	2/23/2011
1086	GOOD	Relined	2/24/2011

All on D.B.

MANHOLE EVALUATION

8

Subject: Mena Utilities SSES
 Location: Behind Erics mans
 Basin: 8
 MH No. 208
 Date: 2/23/11 Time: _____
 Inspector: Bodley



TYPE OF MH DESCRIPTION

Concrete 6 ft. Diameter
 Brick 4 ft. Depth
 Fiberglass
 Other 24 Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	Tross	3 1/2	1	4"	PVC	3'
B	8	Tross	4'	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods

Other _____

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS Has been relined

On D.B. ✓

MANHOLE EVALUATION

12

Contract: Mena Utilities SSES

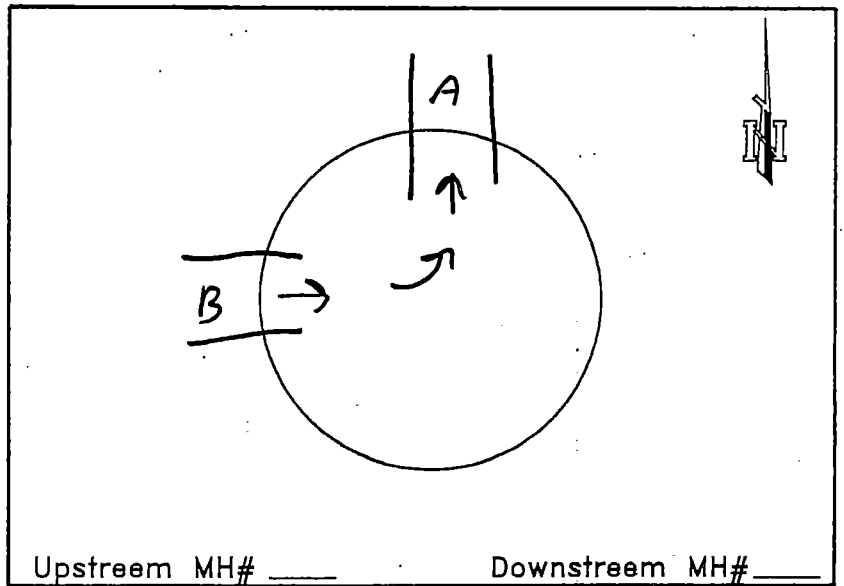
Location: PROFT Circle

Basin: 12

MH No. 323

Date: 2/23/11 Time: _____

Inspector: Bodley



Upstream MH# _____

Downstream MH# _____

TYPE OF MH DESCRIPTION

- Concrete _____ ft. Diameter
- Brick _____ ft. Depth
- Fiberglass _____ Lid Size
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other _____

COVER OVER MANHOLE

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8"	PVC	4	1			
B	6"	PVC	4	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole in Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS Has been retined

on D.B.

MANHOLE EVALUATION

12

Project: Mena Utilities SSES

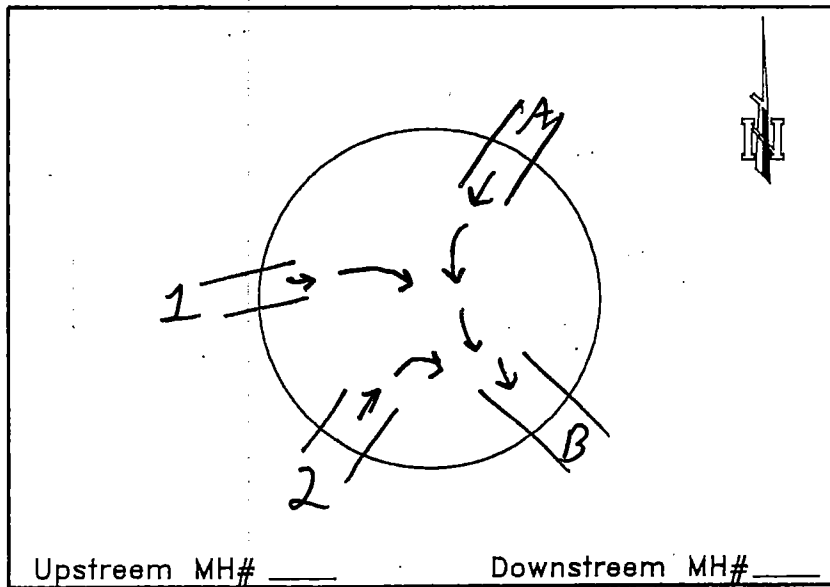
Location: Mena ST. between Oak & Holly

Basin: 12

MH No. 358

Date: 2/23/11 Time: _____

Inspector: Booley



Upstream MH# _____

Downstream MH# _____

TYPE OF MH DESCRIPTION

- Concrete 6 ft. Diameter
- Brick 12 ft. Depth
- Fiberglass
- Other 24 Lid Size

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other Streets

COVER OVER MANHOLE

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6"	CL	12'	1	4"	PVC	8'
B	6"	CL	12'	2	8"	PVC	10'
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penitrations
- Service Penitrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

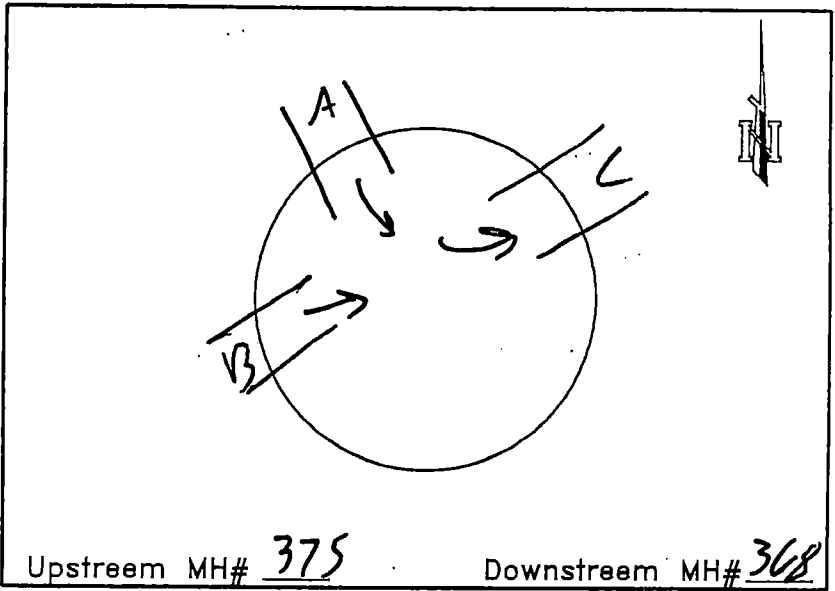
ADDITIONAL COMMENTS Has been relined

on D.B. 4-

MANHOLE EVALUATION

12

Project: Mena Utilities SSES
 Location: Marten between Mena & DeQueen
 Basin: _____
 MH No. 373
 Date: 2/25/11 Time: _____
 Inspector: Rodney



TYPE OF MH DESCRIPTION

- Concrete 4 ft. Diameter
- Brick 3 1/2 ft. Depth
- Fiberglass
- Other 24 Lid Size

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other Streets

COVER OVER MANHOLE

- Conc.Pavement
- Asph.Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	PVC	3 1/2	1			
B	8	PVC	3 1/2	2			
C	10	PVC	3 1/2	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

ADDITIONAL COMMENTS Has been relined

on D.B. ✓

MANHOLE EVALUATION 7

Project: Mena Utilities SSES

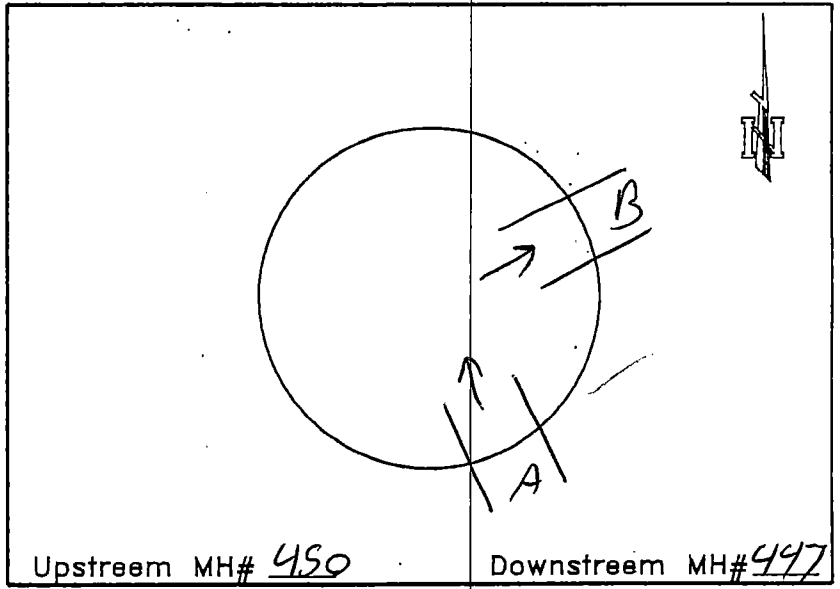
Location: behind Freedom Pharmacy

Basin: 7

MH No. 448

Date: 3/2/11 Time: _____

Inspector: Bodley



TYPE OF MH	DESCRIPTION
<input type="checkbox"/> Concrete	<u>3</u> ft. Diameter
<input checked="" type="checkbox"/> Brick	<u>3</u> ft. Depth
<input type="checkbox"/> Fiberglass	<u>23 1/2</u> Lid Size
<input type="checkbox"/> Other	

TYPE OF PROPERTY	
<input type="checkbox"/> Residence	<input type="checkbox"/> Trailer Park
<input type="checkbox"/> Business	<input type="checkbox"/> Vacant Lot
<input type="checkbox"/> Apartment	<input checked="" type="checkbox"/> Other <u>all</u>

COVER OVER MANHOLE	
<input type="checkbox"/> Conc. Pavement	<input type="checkbox"/> Sidewalk
<input type="checkbox"/> Asph. Pavement	<input type="checkbox"/> Yard/Field
<input checked="" type="checkbox"/> Gravel	<input type="checkbox"/> Woods
Other _____	

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	6	CL	3	1			
B	6	CL	3	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION	
<input type="checkbox"/> Good	
<input checked="" type="checkbox"/> Fair	
<input type="checkbox"/> Poor	
<input type="checkbox"/> Debris in Flowline	
<input type="checkbox"/> Debris on Bench	
<input type="checkbox"/> Evidence of Surcharge	
<input type="checkbox"/> Evidence of Infiltration	
<input type="checkbox"/> Other _____	

SOURCE OF LEAK	
<input type="checkbox"/> Main Line Pipe Penetrations	
<input type="checkbox"/> Service Penetrations	
<input type="checkbox"/> Manhole Joints	
<input type="checkbox"/> Cone Broken	
<input type="checkbox"/> Lid Broken	
<input type="checkbox"/> Lid Missing	
<input type="checkbox"/> Hole in Lid	
<input type="checkbox"/> Other _____	

REHABILITATION (in office)	
<input type="checkbox"/> Replace Manhole	
<input type="checkbox"/> Clean-out Manhole	
<input type="checkbox"/> Re-Build Bench	
<input type="checkbox"/> Replace Ring & Cover	
<input type="checkbox"/> Re-Grout Top Cone & Lid	
<input type="checkbox"/> Seal Inside of Manhole	
<input type="checkbox"/> Grout In Pipe Penetration	
<input type="checkbox"/> Other _____	

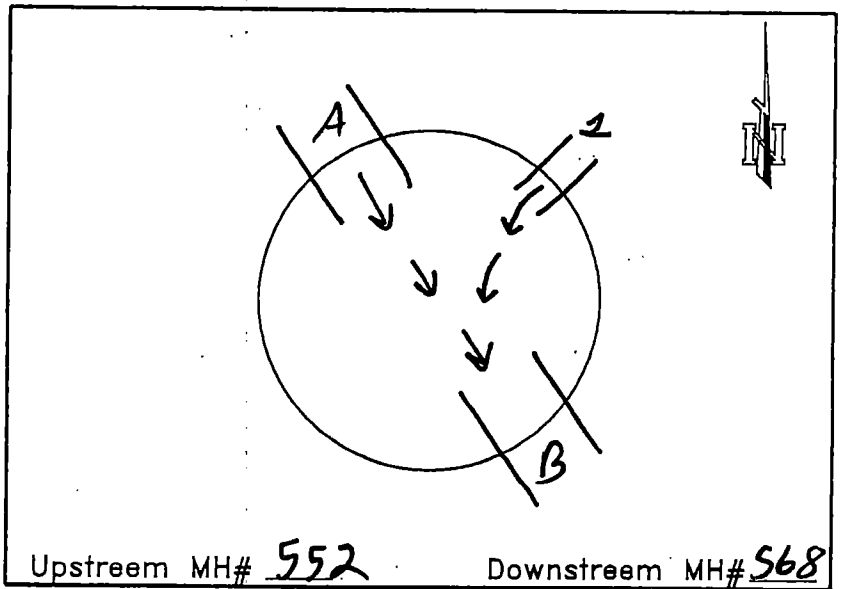
ADDITIONAL COMMENTS has been retained

on D.B

MANHOLE EVALUATION

//

Subject: Mena Utilities SSES
 Location: ON Elm between 10th & 11th
 Basin: 11
 MH No. 567
 Date: 2/24/11 Time: _____
 Inspector: Rodey



TYPE OF MH **DESCRIPTION**
 Concrete 6 ft. Diameter
 Brick 5 ft. Depth
 Fiberglass
 Other 24 Lid Size

TYPE OF PROPERTY
 Residence Trailer Park
 Business Vacant Lot
 Apartment Other CITY AVE

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	C	5'	1	4	PVC	2'
B	8	C	5'	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE
 Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

MANHOLE CONDITION

SOURCE OF LEAK

REHABILITATION (in office)

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole in Lid
 Other _____

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS Has been called

on D.B. ✓

MANHOLE EVALUATION

Project: Mena Utilities SSES

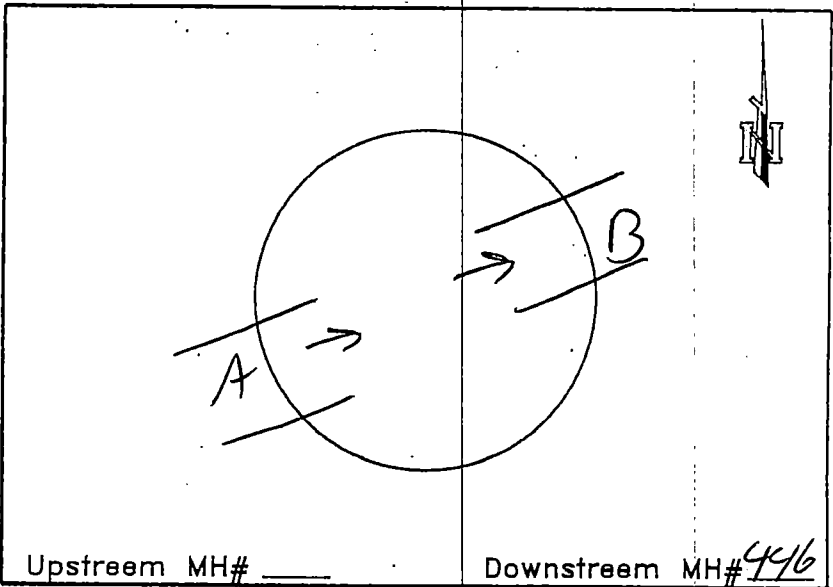
Location: Mena & Sheerwood

Basin: 7

MH No. 582

Date: 3/2/11 Time: _____

Inspector: Bohly



TYPE OF MH

DESCRIPTION

- Concrete _____ ft. Diameter
- Brick _____ ft. Depth
- Fiberglass _____ Lid Size
- Other _____

TYPE OF PROPERTY

- Residence
- Business
- Apartment
- Trailer Park
- Vacant Lot
- Other 7.7C area

COVER OVER MANHOLE

- Conc. Pavement
- Asph. Pavement
- Gravel
- Sidewalk
- Yard/Field
- Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	12	CL		1			
B	12	C		2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris In Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout In Pipe Penetration
- Other _____

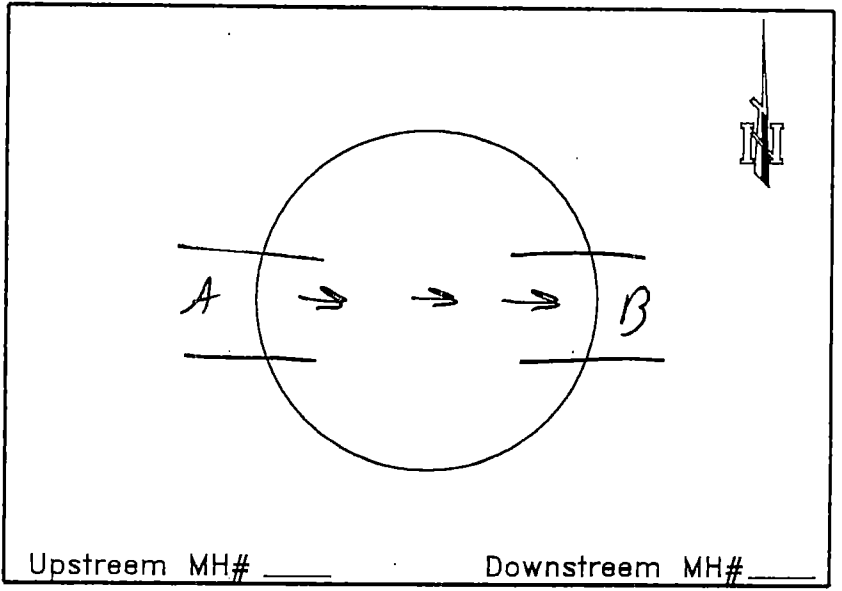
ADDITIONAL COMMENTS pipe "A" has been relined

Completion date ?

on D.B.

MANHOLE EVALUATION 24

Subject: Mena Utilities SSES
 Location: Quins Field
 Basin: 24
 MH No. 598
 Date: 2/23/11 Time: _____
 Inspector: _____



TYPE OF MH **DESCRIPTION**
 Concrete 6 ft. Diameter
 Brick 9 ft. Depth
 Fiberglass
 Other 23 1/2 Lid Size

TYPE OF PROPERTY
 Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	18"	C	8'	1			
B	18"	C	8'	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE
 Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods
 Other _____

MANHOLE CONDITION
 Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK
 Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)
 Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS Has been raised about 5' & relined

on D.B. ✓

MANHOLE EVALUATION

24

Project: Mena Utilities SSES

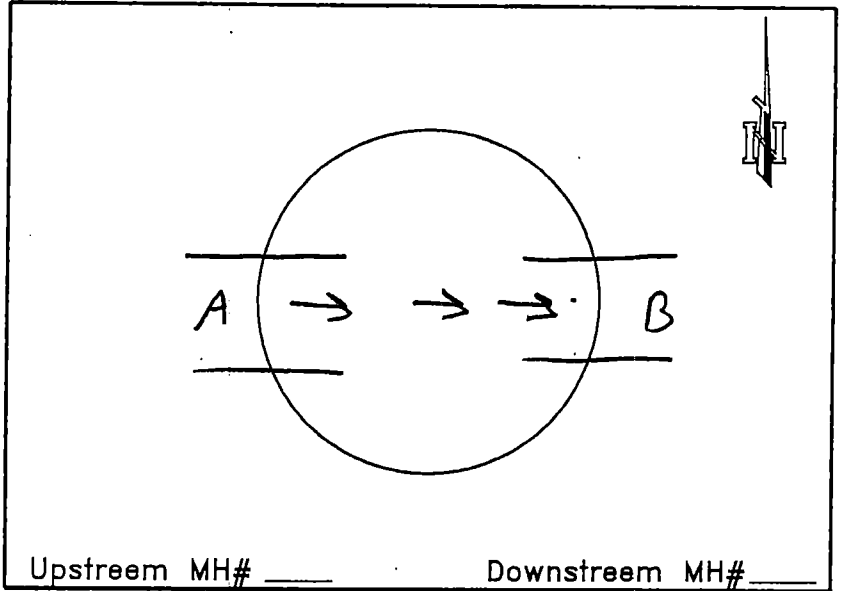
Location: 57E away behind Southern disposal

Basin: 24

MH No. 599

Date: 2/23/11 Time: _____

Inspector: Booley



TYPE OF MH DESCRIPTION

Concrete 6 ft. Diameter

Brick 10 ft. Depth

Fiberglass

Other 24 Lid Size

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other Rite away

COVER OVER MANHOLE

Conc. Pavement Sidewalk

Asph. Pavement Yard/Field

Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	18	C	10	1			
B	18	C	10	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations

Service Penetrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

Grout In Pipe Penetration

Other _____

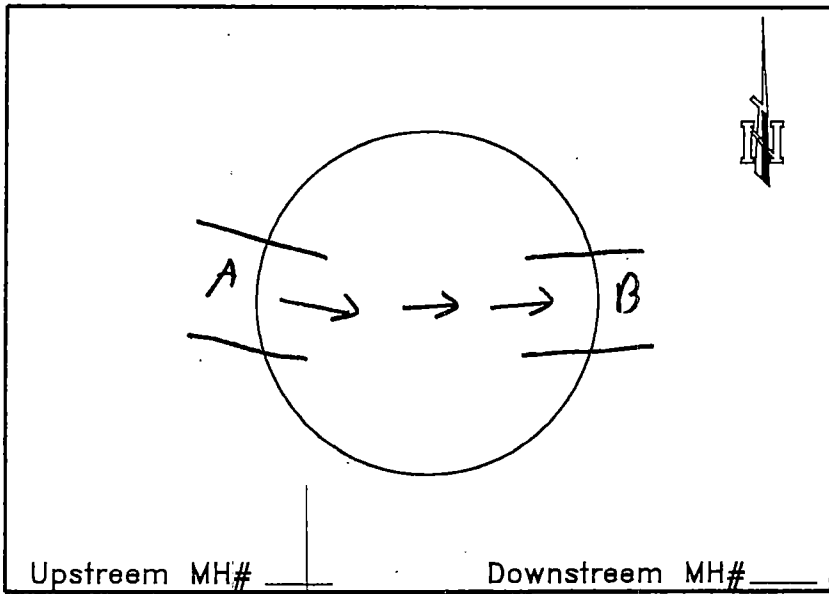
ADDITIONAL COMMENTS has been raised and cone relined

on D.B. ✓

MANHOLE EVALUATION

24

Object: Mena Utilities SSES
 Location: in Rise Away Behind Southern disposal
 Basin: 24
 MH No. 605
 Date: 2/23/11 Time: _____
 Inspector: Podoy



TYPE OF MH **DESCRIPTION**

Concrete 6 ft. Diameter
 Brick 5 ft. Depth
 Fiberglass
 Other 24 Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other Rise Away

COVER OVER MANHOLE

Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	18	C	5'	1			
B	18	C	5'	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole in Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS lid has been raised 1'

_____ completion date

6006 - 9/29/2010

on D.B. ✓

on D.B. ✓

MANHOLE EVALUATION

11

Contract: Mena Utilities SSES

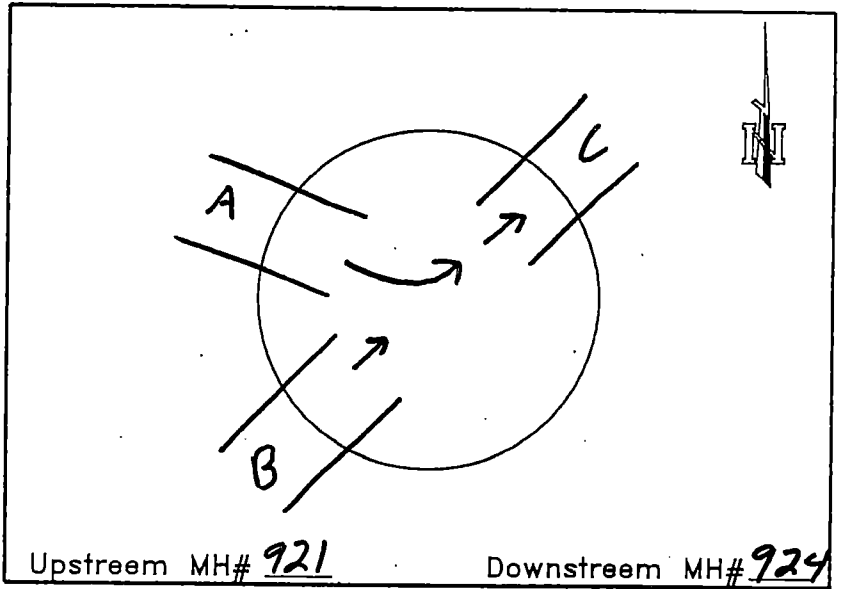
Location: Bert & Weiss

Basin: 11

MH No. 922

Date: 2/24/11 Time: _____

Inspector: Bodey



TYPE OF MH DESCRIPTION

- Concrete 6 ft. Diameter
- Brick 14 ft. Depth
- Fiberglass
- Other 24 Lid Size

TYPE OF PROPERTY

- Residence Trailer Park
- Business Vacant Lot
- Apartment Other Street

COVER OVER MANHOLE

- Conc. Pavement Sidewalk
- Asph. Pavement Yard/Field
- Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8"	CL	6'	1			
B	10"	CL	14'	2			
C	10"	CL	14'	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

- Good
- Fair
- Poor
- Debris in Flowline
- Debris on Bench
- Evidence of Surcharge
- Evidence of Infiltration
- Other _____

SOURCE OF LEAK

- Main Line Pipe Penetrations
- Service Penetrations
- Manhole Joints
- Cone Broken
- Lid Broken
- Lid Missing
- Hole In Lid
- Other _____

REHABILITATION (in office)

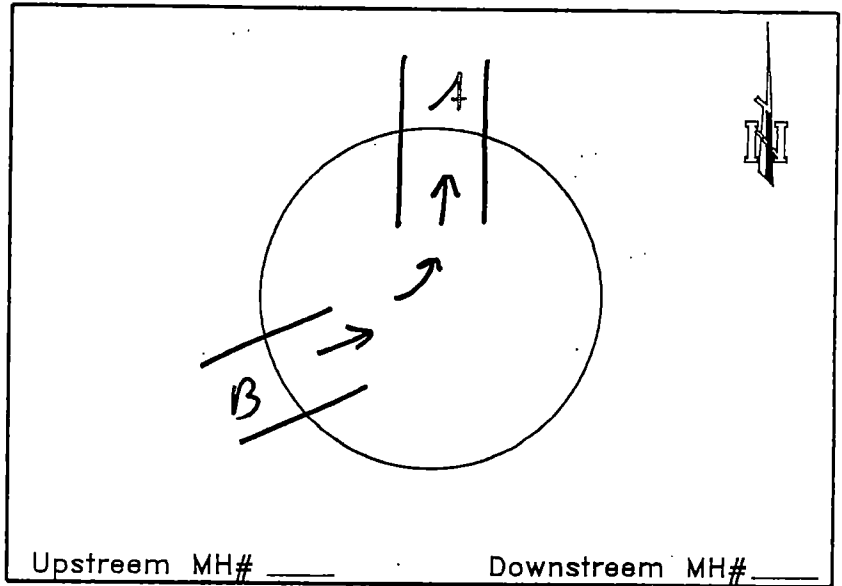
- Replace Manhole
- Clean-out Manhole
- Re-Build Bench
- Replace Ring & Cover
- Re-Grout Top Cone & Lid
- Seal Inside of Manhole
- Grout in Pipe Penetration
- Other _____

ADDITIONAL COMMENTS Has Been Relined

on D.B. ✓

MANHOLE EVALUATION

Project: Mena Utilities SSES
 Location: WEST OF Johnson
Feed mill
 Basin: 11
 MH No. 927
 Date: 2/24/11 Time: _____
 Inspector: Booley



TYPE OF MH **DESCRIPTION**
 Concrete 6 ft. Diameter
 Brick 16 ft. Depth
 Fiberglass
 Other 24 Lid Size

Upstream MH# _____ Downstream MH# _____

TYPE OF PROPERTY
 Residence Trailer Park
 Business Vacant Lot
 Apartment Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	12	C	12 16	1			
B	12	C	16	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE
 Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

MANHOLE CONDITION

SOURCE OF LEAK

REHABILITATION (in office)

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

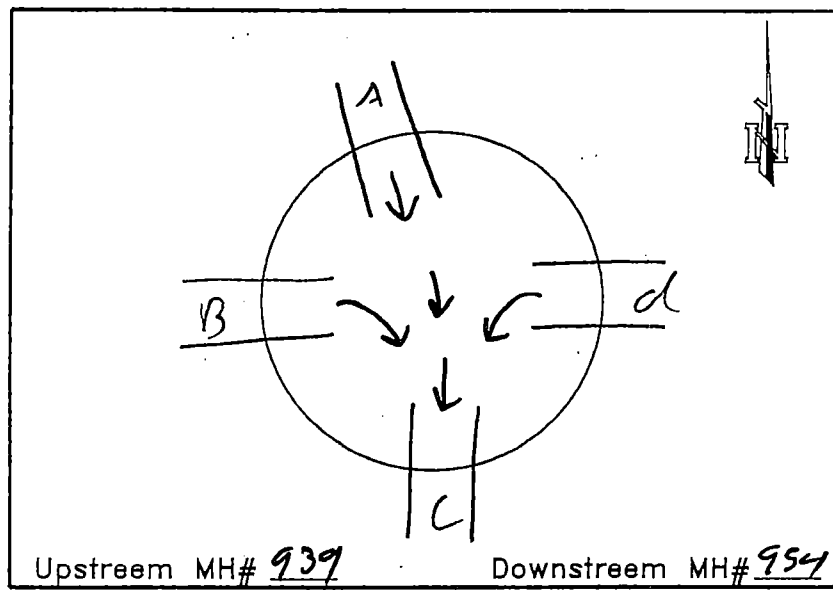
ADDITIONAL COMMENTS Has been re-lined

on D.B. ✓

MANHOLE EVALUATION

6

Project: Mena Utilities SSES
 Location: On miller between polk & eve
 Basin: 6 - 10
 MH No. 950
 Date: 2/25/11 Time: _____
 Inspector: Bodey



TYPE OF MH **DESCRIPTION**
 Concrete 6 ft. Diameter
 Brick 6 ft. Depth
 Fiberglass
 Other 24 Lid Size

TYPE OF PROPERTY
 Residence Trailer Park
 Business Vacant Lot
 Apartment Other Street

COVER OVER MANHOLE
 Conc.Pavement Sidewalk
 Asph.Pavement Yard/Field
 Gravel Woods
 Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	PVC	4	1			
B	6	PVC	6	2			
C	6	CL	6	3			
D	6	C	6	4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION
 Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK
 Main Line Pipe Penitrations
 Service Penitrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole In Lid
 Other _____

REHABILITATION (in office)
 Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS Has been relined

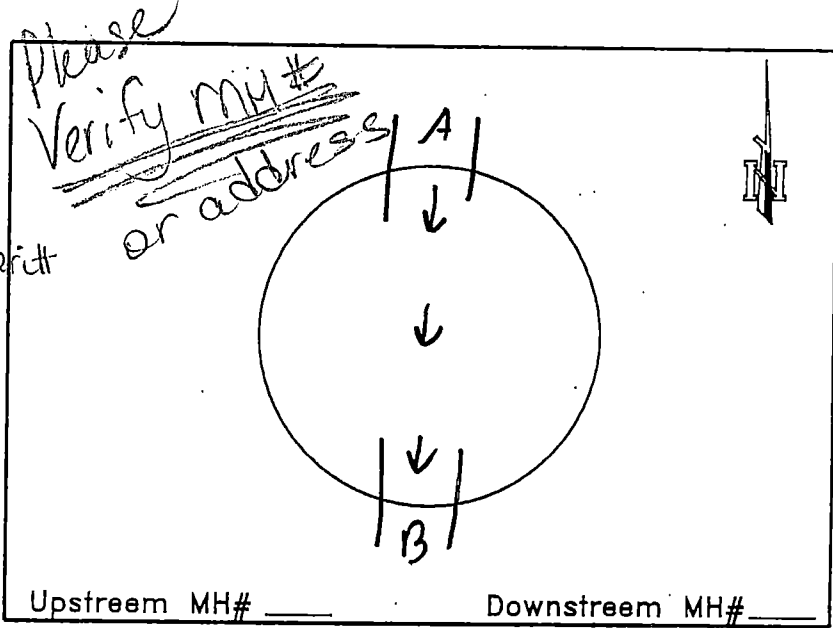
Completion date

on D.B.L

MANHOLE EVALUATION

10

Project: Mena Utilities SSES
 Location: on Vermillion between Reeves & Hensley - #1036
 Basin: 10
 MH No. 1038 - between Hensley & Averitt
 Date: 2/23/11 Time: _____
 Inspector: Bodey



TYPE OF MH DESCRIPTION

Concrete _____ ft. Diameter
 Brick _____ ft. Depth
 Fiberglass
 Other _____ Lid Size

TYPE OF PROPERTY

Residence Trailer Park
 Business Vacant Lot
 Apartment Other ditch

COVER OVER MANHOLE

Conc. Pavement Sidewalk
 Asph. Pavement Yard/Field
 Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8"	CL	14'	1			
B	8"	CL	14'	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

MANHOLE CONDITION

Good
 Fair
 Poor
 Debris in Flowline
 Debris on Bench
 Evidence of Surcharge
 Evidence of Infiltration
 Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations
 Service Penetrations
 Manhole Joints
 Cone Broken
 Lid Broken
 Lid Missing
 Hole in Lid
 Other _____

REHABILITATION (in office)

Replace Manhole
 Clean-out Manhole
 Re-Build Bench
 Replace Ring & Cover
 Re-Grout Top Cone & Lid
 Seal Inside of Manhole
 Grout in Pipe Penetration
 Other _____

ADDITIONAL COMMENTS Has been relined

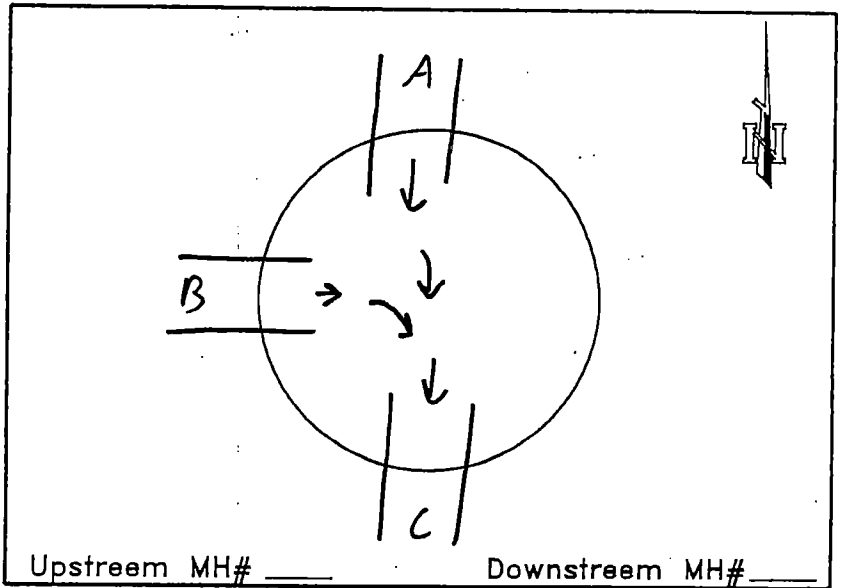
Rehab completed on 1038-8/2/10

On DB 2

MANHOLE EVALUATION

10

Project: Mena Utilities SSES
 Location: Hensley & Vermillion
 Basin: 10
 MH No. 1039
 Date: 2/23/11 Time: _____
 Inspector: Rodey



TYPE OF MH DESCRIPTION

Concrete 4 ft. Diameter

Brick 14 ft. Depth

Fiberglass

Other 24 Lid Size

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other STREET

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	8	CL	14	1			
B	6	PVC	14	2			
C	8	CL	14	3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, DI-Ductile, C-Concrete

COVER OVER MANHOLE

Conc.Pavement Sidewalk

Asph.Pavement Yard/Field

Gravel Woods

Other _____

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations

Service Penetrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole In Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

Grout In Pipe Penetration

Other _____

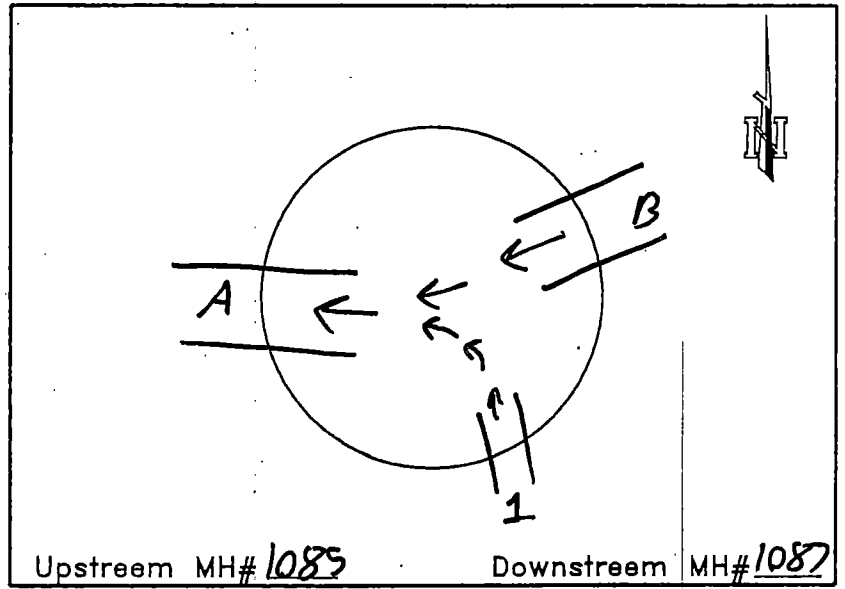
ADDITIONAL COMMENTS Has been relieved

on D.B. ✓

MANHOLE EVALUATION

15

Project: Mena Utilities SSES
 Location: Behind new House
on 375 West
 Basin: 15
 MH No. 1086
 Date: 2/24/11 Time: _____
 Inspector: Boley



TYPE OF MH DESCRIPTION

Concrete 6 ft. Diameter

Brick 4.5 ft. Depth

Fiberglass 24 Lid Size

Other _____

TYPE OF PROPERTY

Residence Trailer Park

Business Vacant Lot

Apartment Other _____

COVER OVER MANHOLE

Conc. Pavement Sidewalk

Asph. Pavement Yard/Field

Gravel Woods

Other _____

Main Line	Size	Type	Depth	Service Line	Size	Type	Depth
A	10	TRUSS	4'	1			
B	10	TRUSS	4'	2			
C				3			
D				4			

PVC-Plastic, CI-Cast Iron, CL-Clay, D-Ductile, C-Concrete

MANHOLE CONDITION

Good

Fair

Poor

Debris in Flowline

Debris on Bench

Evidence of Surcharge

Evidence of Infiltration

Other _____

SOURCE OF LEAK

Main Line Pipe Penetrations

Service Penetrations

Manhole Joints

Cone Broken

Lid Broken

Lid Missing

Hole in Lid

Other _____

REHABILITATION (in office)

Replace Manhole

Clean-out Manhole

Re-Build Bench

Replace Ring & Cover

Re-Grout Top Cone & Lid

Seal Inside of Manhole

Grout in Pipe Penetration

Other _____

ADDITIONAL COMMENTS Has been reviewed

on DB:

EXHIBIT H
Collection System Map

EXHIBIT I
Manhole/Main Line Inspection Completion Map



EXHIBIT J
Manhole/Main Line Improvements
Recommended & Completed Map

ADEQ

ARKANSAS
Department of Environmental Quality

RECEIVED
JUN 30 2016

Hand Delivered Mail Receipt

Date	6/30/16
Division	Water
Sender	Charles Pittman
Received	S. White sw 6/30/16 3:08 P
By	Ana Porter CAP for City Mena SSOs.