

118 East Broad Street
Texarkana, AR 71854
PHONE 870.216.1906 • FAX 870.216.1907

March 06, 2017

Ms. Jacqueline Trotta Enforcement Analyst Arkansas Department of Environmental Quality 5301 Northshore Drive North Little Rock, AR 72118-5317

Re: City of Magnolia Status Report

AFIN: 14-00059 NPDES Permit No. AR0043613

Dear Ms. Trotta:

As you are aware from previous correspondence, the City of Magnolia Wastewater Department has, for the past 12 months, been manually diverting the sludge blowdown and backwash water received from the Municipal Water Treatment Plant directly to the stabilization pond. This process adjustment has allowed the WWTP to operate as designed and reduce discharge limit violations. The problem with the effluent from the WTP is lack of alkalinity and ph. Caustic is currently being fed at the head of the WWTP to increase alkalinity and adjust ph. This effort appears to be working, with limitations. The feed rate is based on a once a day laboratory result which allow for improper feed rates between test results. The Utility is investigating equipment to provide continuous monitoring of alkalinity and ph with automatic feed systems that will provide immediate adjustments as necessary. With the implementation of this automated equipment, more decant and possible all of the effluent from the WTP can be introduced to the WWTP at the headworks without directing it to the stabilization pond. This feed process adjustment will eliminate unnecessary sludge buildup in the stabilization pond.

The Utility has made application to the ADEQ for a land application permit to remove sludge from the stabilization pond. The permit is administratively and technical complete. We are waiting on public notice information and approvals from ADEQ. Construction for the sludge removal should take place this summer when the pond level can be lowered.

ARKANSAS CERTIFICATE OF AUTHORIZATION NUMBER 1681
OKLAHOMA CERTIFICATE OF AUTHORIZATION NUMBER 5-10338
TEXAS CERTIFICATE OF REGISTRATION NUMBER F-10338

For the past 12 months Utility crews have been smoke testing the collection system in an effort to reduce SSOs. The focus of the first phase of smoke testing was on or near streets that were previously scheduled for resurfacing. Results and a summary are attached. Photos of point repair locations are included on the attached flash drive. Other areas are currently being smoke tested and similar results are being identified and repaired.

In summary, to complete the chemical feed process adjustments and the WWTP, receive land application permit approval and remove sludge from the stabilization pond and to complete the smoke testing, the City is requesting an extension to December 2018.

We appreciate your consideration of this summary and proposal. If you require additional information, please contact me, Mayor Parnell Vann or Russell Thomas of the Magnolia Waster Water System.

Sincerely,

A. L. FRANKS ENGINEERING, INC.

Anthony L. (Andy) Franks, P.E.

Principal

CC: Mayor Parnell Vann

Russell Thomas, Magnolia Waste Water

We started smoke testing the system on March 7, 2016

smoke testing machine

\$2,475.00

liquid smoke

\$1,495.00

At the request of the Mayor we first smoke tested the areas that was going to be repaved. We Smoke tested the following areas:

Summit Street.

Amhurst Street.

Shamrock Street

Melrose Street.

Biscanye Street.

W. University

Travel Center area.

W. Ross

Dogwood, Greene-Sue

Columbia, Linda-Bradley.

Columbia, Jackson To Dudney.

Stadium, Jackson to Washington.

Dewbeery Street.

Grayson, Calhoun to Lelia.

Hollensworth Street.

Academy Street.

Harlem Street.

Harper Street

High School Dr. Bradley to Lee St.

W. North, Washington to Vine.

S. Jefferson, Calhoun to South St.

Pearce St.

Azalea Subdivision.

S. Vine from ross to dead end street.

Sumac St.

Catalpa.

Sprig St.

Teal St.

Mallard St.

Linda St.

S. Height, Ross to Mullins

N. Washington.

Willow St.

S. Chinqupen.

Acorn alley

Ellis Street.

Charolette St.

Broadmore St.

W. North, Vine To Height St.

S. Vine, Main to Calhoun. to School.

Refroe, Jackson to Calhoun, Calhoun to Carver.

Carver.

Jewell.

Renfroe, Carver to dead end.

Marie

Jacks

Emerson.

Curry.

Cordellia.

Adkins.

Blue Bird

N. Dudney.

W. Columbia.

Couch

N.Fredrick

S. Fredrick

W. Garland.

Main line leaks identified by smoke testing and repaired

2515 N. Vine

Repaired 6 " main with full circle clamp.

37 Chinquepin,

Dug up Manhole forced cement under manhole to stop inflow.

*Repaired Manhole

South driveway at attwoods on 79.

Dug up Manhole at the end of oak street, to repair Taking in water

*N. Dudney & Lee,

smoke coming out of storm drain.

Manhole across from street Department.

214 Samuel. clay main line repaired

Jewel & Mc Authur Main line repaired.

Creek Crossing at end of S. Dudney.

Willow Street Main line in ditch repaired.

318 S. Kelso, main line repaired.

*Creek Crossing at N. Vine at Amfuel.

Blue Bird and Dudney, repaired leaking Manhole.

Hazel Circle Repaired Line outside Manhole, taking water in.

N. Dudney at Lee St. repaired mainline break.

Lee Street replaced twenty nine foot clay line.

Rebuilt Manhole at Smith and Buffington taking water in.

Madison and Union. repaired main line

W. Main and N. height, line separated from manhole, repaired.

Intersection Norma and Grayson, clay line separated from manhole, repaired.

Estimated total cost for main line repairs to date is approx. \$47,000.00

Private property, Abandoned service lines identified by smoke testing that have been dug up and plugged.

211 Collegeview. 722 E. McNeil 1022 Calhoun Rd. 304 Sprig. 1210 Calhoun Rd. 803 Smith. 704 W. Ross 211 N. Dudney. 708 Sue, abandon Service in creek 1321 S. Fredrick, 1209 McArthur 1505 Harper. 601 Calhoun Rd. 2015 Field Rd. 1105 S. Fredrick 1322 S. Fredrick 1208 S. Fredrick 1207 S. Fredrick 616 Jack 615 Jack 409 Jack 501 Jack 518 Jack 505 Jack

225 South Cordellia 515 Jack 209 S. Cordellia 1311 Dewberry 1405 Dewberry 1320 Blackberry 1405 Blackberry 410 Blackberry 1206 Patton 1203 Patton 1106 Hilltop 1110 Harlem 1105 Hilltop 1002 Hilltop 419 Emerson 1016 Hilltop 410 Emerson 501 Curry 431 Renfroe 415 Renfroe

1202 Harper

Majority of what we are finding is clean out cap missing

Manpower:

1 person working in lab . Tracie Love.

2 maintenance people in plant. Mike Dodson, Carl Smith

1 person processing sludge. Jared Fuller.

2 people in the field. Michael Wilson, David Randolph

1 Superintendent. Russell Thomas

Televising equipment came in on April 18th, cost of \$37,045.96 just purchased cargo trailer for unit \$1,050.00

SMOKE TESTING SEWERS

August 3, 2016

The Magnolia Wastewater crew will be smoke testing sanitary sewers in the Junior High School area starting August 8th 2016.

Other areas will include the following streets:

North Street beween Dudney and Verda.

West Union between Dudney and Pine.

East McNeil Between Dudney and Jackson.

North Oakland.

Parkway.

Smith Street Between Dudney and Olive.

Verda.

Wilson.

Lucy Circle.

Nursery St.

Joy St.

This test will assist us in locating breaks and defects in the sewer system. During the test YOU MAY SEE SMOKE COMING FROM VENT STACKS ON BUILDS OR HOLES IN THE GROUND. Don't be alarmed. The smoke has no odor, is non-toxic, non-staining, does not create a fire hazard, and will dissipate in a few minutes.

Before we conduct the smoke test, please pour water into your floor drains and unused sinks. This will seal the drain traps so smoke will not enter your building through the drain.

If Smoke should enter your building during the test, it probably means that there are defects in your plumbing that could allow **DANGEROUS SEWER GAS** to enter your building. Note the location of the smoke and call the number at the

Public Notice

bottom of this to arrange a meeting with our inspector. Open doors and windows to ventilate any smoke that enters your building.

Please notify us before we conduct the test if you have any of following situations:

- dogs, birds or other pets that will be confined alone in the building during the test.
- A person who will be alone and is an invalid or sleeping during the test.
- Any individuals with respiratory problems who will be in the building.
- Elderly persons who will be alone and might be alarmed or confused if they see smoke.

If you have any of these situations or have questions regarding the smoke test,

call:	City Hall	234-1375
	Russell Thomas	904-1694
	Wastewater	234-2955

	EAK REPORT									
LOCATION: N. Dudney & Lee St.	Project: Job #:									
Area: Line No.: Leak No.: Line Size: Date: 3/18/2016 Time: 09:3/ Chew Chief/ Inspector:										
LEAK SOURCE Ditch/Storm Sewer Crossing Ditch/Storm Sewer Parallels Ponding Area Potholes/ Faults										
RECOMMEND Quantification Testing: Internal Televising:	Break Along Line Private Line Tie-In Other									
DEGREE OF LEAK Heavy Moderate Light	DESCRIPTION OF LEAK Ning out of Etam 5 turn Street.									
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REHABILITATION METHOD	ADDITIONAL COMMENTS									

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RECOMMEND Quantification Testing: Internal Televising:	Potholes/ Faults Break Along Line Private Line Tie-In Other									
DEGREE OF LEAK Heavy Moderate Light	DESCRIPTION OF LEAK									
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	Ditch/Storm Sewer Parallels								
	Ponding Area Potholes/ Faults								
RECOMMEND	Break Along Line								
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MAIN LINE LEAK REPORT LOCATION: 199 **Project**: Job#: Area: S. Carallia Line No.: Leak No .: Line Size: Avg.Depth: Date: Time: 8.54 **Chew Chief/** Inspector: LEAK SOURCE Ditch/Storm Sewer Crossing Ditch/Storm Sewer Parallels Ponding Area Potholes/ Faults RECOMMEND Break Along Line Quantification Testing: Private Line Tie-In Internal Televising: Other DEGREE OF LEAK **DESCRIPTION OF LEAK** Heavy Moderate Light MEASURED INFLOW DRAINAGE AREA **MANHOLES** ACCESSIBLE Street sa.ft. Up Stream (GPD) Ground sq.ft. Down Stream LEAK LOCATION rank LOCATION OF LINE COVER OVER LINE LEAK CHARACERISTICS Under Street Conc. Pavement Yard/ Field Ponding Area Natal Righ-of-Way Asph. Pavement Woods Size of Hole Easement Gravel Other Potential Head Other Sidewalk REHABILITATION METHOD **ADDITIONAL COMMENTS**

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MAIN LINE LEAK REPORT

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Contractor's Smoke Testing Form Project No. Date Contractor Length Technician Predominate Surface Cover Manhole Number SAND BAGGED BLOWER Manhole Number SAND BAGGED BLOWER UPSTREAM DOWNSTREAM Y/N Y/N Y/N Y/N OBS Run TV DVD Source Address/Location Distance from mainline Distance from Source No. (All Positive and Suspect) UPS MEH Туре Ft Ft Off Y/N NO. Left 5 RESULT CODES SKETCH 1 POSITIVE SUSPECT NEGATIVE 3 CONNOT TEST STATUS CODES 1 PRIVATE PUBLIC 2 SOURCE TYPE CODES SERVICE LATERALS TRANSITIONAL JOINT DRIVEWAY DRAIN 3 WINDOW WELL DRAIN STAIRWELL DRAIN AREA DRAIN DOWNSPOUT DOWNSPOUT DRAIN 8 **FOUNDATION DRAIN BUILDING INSIDE** CATCH BASIN 12 STORM DITCH STORM MANHOLE 23 MAIN SEWER **UPSTREAM MANHOLE** 25 16 CLEANOUT 17 OTHER SMOKE CODE LIGHT 1 MEDIUM HEAVY 3 RUNOFF CODES 0% PAVED 25% PAVED 50% PAVED 75% PAVED 100% PAVED Other Leaks or Comments:

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Smoke Inspection Test

AM hurst 3-7-2016

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# Smoke Inspection Test NoRth VINC

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# Smoke Inspection Test W・Uハ i Yピルム i き y

set up

3/8/2016

Contractor Technician  Manhote Number UPSTRAM V/N  SAND BAGGED  BLOWER  Manhote Number UPSTRAM V/N  DOWNSTRAM V/N  V/N  SAND BAGGED  BLOWER  Manhote Number  SAND BAGGED  BLOWER  Manhote Number  SAND BAGGED  BLOWER  Manhote Number  V/N  V/N  V/N  V/N  V/N  V/N  V/N  V/	Contractor Technician  Manhole Number SAND BAGGED BLOWER UPSTREAM V/N V/N DOWNSTREAM V/N V/N DOWNSTREAM V/N V/N DOWNSTREAM V/N V/N V/N DOWNSTREAM V/N V/N V/N V/N DOWNSTREAM V/N V/N V/N V/N V/N V/N V/N V/N V/N V/N	Proi	ect No.		ontracto		Date		• • • •						<u> </u>	
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Revised:

# Smoke Inspection Test Partial DA: LAWtoNEIA 3-16/2016 Contractor's Smoke Testing For

Setup setup 5etup

setup Setup

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Revised:

Smoke Inspection Test

No Junda 3/16/2016

Contractor's Smoke Testing Form

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Revised:

Smoke Inspection Test.

N. Walney & Rudgewood 3/18/2016

Contractor's Smoke Testing Form

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Revised:

Smoke Inspection Test

Bradley St - 3/2//2016

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Smoke Inspection Test

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Contractor's Smoke Testing Form

3/21/2016

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Revised:

SEEUP Setup Setup 3/22/2016

**Contractor's Smoke Testing Form** Project No. Date Contractor Length Technician Predominate Surface Cover Manhole Number SAND BAGGED BLOWER Manhole Number SAND BAGGED BLOWER **UPSTREAM** DOWNSTREAM Y/N Y/N Y/N Y/N Source Address/Location Distance from Distance from mainline Source Run T۷ DVD (All Positive and Suspect) No. UPS MH Left Result Status Type Ft Ft Off Y/N NO. 9 10 RESULT CODES **SKETCH** 1 POSITIVE SUSPECT 2 NEGATIVE 3 CONNOTTEST STATUS CODES 1 PRIVATE PUBLIC SOURCE TYPE CODES SERVICE LATERALS TRANSITIONAL JOINT DRIVEWAY DRAIN WINDOW WELL DRAIN STAIRWELL DRAIN AREA DRAIN DOWNSPOUT DOWNSPOUT DRAIN **FOUNDATION DRAIN** q BUILDING INSIDE 20 CATCH BASIN 11 STORM DITCH 12 STORM MANHOLE 23 MAIN SEWER UPSTREAM MANHOLE 25 CLEANOUT 17 OTHER SMOKE CODE 2 LIGHT MEDIUM HEAVY RUNOFF CODES o% PAVED 1 25% PAVED 50% PAVED 75% PAVED 100% PAVED Other Leaks or Comments:

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Smoke Inspection Test

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**Contractor's Smoke Testing Form** Project No. Date Contractor Length Technician Predominate Surface Cover Manhole Number SAND BAGGED BLOWER BLOWER Manhole Number SAND BAGGED UPSTREAM DOWNSTREAM Y/N Y/N Y/N Y/N Source Address/Location Distance from Distance from mainline Source TV DVD Run (All Positive and Suspect) UPS MH Ft Ft Off NO. Right Result Status Type Smoke Y/N Betup setup Setup 8 RESULT CODES SKETCH POSITIVE 2 SUSPECT 3 NEGATIVE CONNOTTEST STATUS CODES 1 PRIVATE PUBLIC SOURCE TYPE CODES SERVICE LATERALS TRANSITIONAL JOINT **DRIVEWAY DRAIN** WINDOW WELL DRAIN STAIRWELL DRAIN AREA DRAIN DOWNSPOUT DOWNSPOUT DRAIN **FOUNDATION DRAIN** 9 **BUILDING INSIDE** CATCH BASIN 33, STORM DITCH 12 STORM MANHOLE 13 MAIN SEWER UPSTREAM MANHOLE 16 CLEANOUT 17 OTHER SMOKE CODE LIGHT MEDIUM HEAVY **RUNOFF CODES** o% PAVED 2 25% PAVED 50% PAVED 75% PAVED 100% PAVED Other Leaks or Comments:

Revised:

Shade LANE BLUE BIRD

### Smoke Inspection Test

3/23/2016

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## Smoke Inspection Test BLUEBIRG HILL DR

Setup Setup 3/24/2016

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Revised:

3/28/2016

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**Smoke Inspection Test** 3/38/30/ Contractor's Smoke Testing Form Project No. Date Contractor Length Technician Predominate Surface Cover Manhole Number SAND BAGGED BLOWER Manhole Number SAND BAGGED BLOWER **UPSTREAM** DOWNSTREAM Y/N Y/N Y/N Y/N Source Address/Location Distance from Distance from mainline DVD (All Positive and Suspect) Туре Off No. UPS MEH Right Ft Ft Y/N NO. 5 etup POSITIVE 1 SUSPECT NEGATIVE 3 CONNOTTEST STATUS CODES PRIVATE 1 PUBLIC SOURCE TYPE CODES SERVICE LATERALS TRANSITIONAL JOINT DRIVEWAY DRAIN WINDOW WELL DRAIN STAIRWELL DRAIN AREA DRAIN DOWNSPOUT DOWNSPOUT DRAIN **FOUNDATION DRAIN** 9 BUILDING INSIDE CATCH BASIN 11 STORM DITCH

Other Leaks or Comments:

RUNOFF CODES o% PAVED 25% PAVED 3 50% PAVED

23

27

75% PAVED

STORM MANHOLE

MAIN SEWER UPSTREAM MANHOLE CLEANOUT

OTHER SMOKE CODE LIGHT MEDIUM HEAVY

100% PAVED

Revised:

Smoke Inspection Test

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Revised:

# Smoke Inspection Test 3/29/2016 Contractor's Smoke Testing

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Revised:

Smoke Inspection Test

3/29/20/6

Contractor's Smoke Testing Form

Pro	ject No	······································			Date_								_	
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Revised:

3/30/2016

Setup

#### **Smoke Inspection Test**

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OBS Source	Address/Location	Distance from		om mainline			Source		_	ea	Run	τv	DVD	
No. (All Pos	tive and Suspect)	UPS MIH	Left	Fight	Result	Status		Smoke	Ft	Ft	Off	Y/N	NO.	
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12 STORM DITCH 13 STORM MANHOLE 14 MAIN SEWER 15 UPSTREAM MANHOLE 16 CLEANOUT 17 OTHER 17 OTHER 18 SMOKE CODE 1 LIGHT 12 MEDIUM 13 HEAVY 18 RUNOFF CODES 1 0% PAVED 12 25% PAVED 13 50% PAVED 15 100% PAVED 15 100% PAVED													_				
3 STORM MANHOLE 14 MAIN SEWER 25 UPSTREAM MANHOLE 16 CLEANOUT 17 OTHER SMOKE CODE 1 LIGHT 2 MEDIUM 3 HEAVY RUNOFF CODES 1 0% PAVED 2 25% PAVED 3 50% PAVED 4 75% PAVED 5 100% PAVED																	
14 MAIN SEWER 25 UPSTREAM MANHOLE 16 CLEANOUT 27 OTHER SMOKE CODE 2 LIGHT 2 MEDIUM 3 HEAVY RUNOFF CODES 1 0% PAVED 2 25% PAVED 3 50% PAVED 4 75% PAVED 5 100% PAVED																	
16 CLEANOUT 17 OTHER SMOKE CODE 1 LIGHT 2 MEDIUM 3 HEAVY RUNOFF CODES 1 0% PAVED 2 25% PAVED 3 50% PAVED 4 75% PAVED 5 100% PAVED					*												
17 OTHER  SMOKE CODE  1. LIGHT  2. MEDIUM  3. HEAVY  RUNOFF CODES  1. 0% PAVED  2. 25% PAVED  3. 50% PAVED  4. 75% PAVED  5. 100% PAVED	}			•												MANHOL	
1 LIGHT 2 MEDIUM 3 HEAVY RUNOFF CODES 1 0% PAVED 2 25% PAVED 3 50% PAVED 4 75% PAVED 5 100% PAVED	1												17	OTHE	R		
2 MEDIUM 3 HEAVY RUNOFF CODES 1 0% PAVED 2 25% PAVED 3 50% PAVED 4 75% PAVED 5 100% PAVED	1																
RUNOFF CODES  1 0% PAVED 2 25% PAVED 3 50% PAVED 4 75% PAVED 5 100% PAVED							•	•									
1 C% PAVED 2 25% PAVED 3 50% PAVED 4 75% PAVED 5 100% PAVED	1																
2 25% PAVED 3 50% PAVED 4 75% PAVED 5 100% PAVED	1																
3 50% PAVED 4 75% PAVED 5 100% PAVED	1																
5 100% PAVED	1					•								50%	PAVED		
	-	<del></del>						<del></del>						100%			_
	Oth	er Leaks or Con	ments:				=				<del></del>				-		_
	_	<del></del>															_

Revised:

N	/AI	H	OL	ES	UR	VE)				
CITY OF:	N					N		62,314,51	<del> •</del>	
Manhole No: Nidge Wood Area: Crew: Date: 3/18/30/6 Time: OG , 6 7							—(			
MANHOLE CONSTRUCTION  Brick Block Concrete Poured Conrete Precast Fiberglass Cover Size						- I	nhole #:			
Cover Size		i	<u> </u>			Ivian	inole #:	<u> </u>		
MH CONDITION			ONDITI	ONS	Α	В	С	D	E	F
Good Fair	Mate Size	rial			-	-				
Poor		h of inv	ert							
Leaking		h of Su	_							
ADEA OOVED		b of Flo			<u> </u>		<u> </u>	57.60		
AREA COVER Concrete Pavement		Vertifie			<ul><li>Concret</li><li>C - Asbes</li></ul>			PVC - P	olyvinyl (	Jnionae
X Asphalt Pavement	61-	Cast Iro	ก	A	C - Asbes	tos Ceme	∌nt			
Gravel	Pote	ntial Fo	r Inflow		Draina	ge Area =	:			
Sidewalk						9				ٽـــــــــــــــــــــــــــــــــــــ
Soil		n Ditch		7		Opening	1	2	3	4
Grass		In Pond		1 .		le Head				ļ
Trees		n Flood	Area		Size		l	<u> </u>	<u> </u>	
MH DEFECTS	Infilt	ation:			Estima	ted Rate	(GPM) =	:		
Line Cracks Circle Cracks	-	Jioh		7			EAV DE	SCRIPTI	ON	
Broken Walls		High Medium	1				EAR DE	SCRIP II	ON	
Broken Pipe Entrance		Low							···	
Broken Bottom										
Broken Frame	SUG	GESTE	D REH	AB:						
Broken Cover					<del></del>					
Clogged with Debris Roots Present	<u> </u>				<del> </del>					
Visible Infiltration								*		
Visible Inflow				· · · · · · · · · · · · · · · · · · ·						
SOIL CONDITIONS										
Dry	-									
Moist										
Wet										
Saturated	Estir	nated C	ost = \$							

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. N	MANHOLE S	URVEY
CITY OF:    Magyalia     Manhole No: 9-8     Area: 110	N A A A A A A A A A A A A A A A A A A A	
MANHOLE CONSTRUCTION  Brick  Block  Concrete Poured  Conrete Precast  Fiberglass  Cover Size		Manhole #:
MH CONDITION Good Fair Poor Leaking	LINE CONDITIONS  Material Size Depth of Invert Depth of Surchage Depth of Flow	A B C D E F
AREA COVER Concrete Pavement Asphalt Pavement Gravel	VC Vertified Clay C -	Concrete (PVC) Polyvinyl Chloride - Asbestos Cement  Drainage Area =
Sidewalk Soil Grass Trees	In Ditch In Pond Area In Flood Area	Cover Opening 1 2 3 4 Possible Head Size
MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance	Infiltration: High Medium Low	Estimated Rate (GPM) =  LEAK DESCRIPTION
Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Inflow	SUGGESTED REHAB:	
SOIL CONDITIONS  Pry Moist Wet Saturated	Estimated Cost = \$	

. N	MANHOLE S	URVE'	Y			
Manhole No: 9-8   Alea:  Manhole No: 9-8   Alea:  Crew: Date: 3/3/-10/b Time: 0 9:13  MANHOLE CONSTRUCTION Brick Block Concrete Poured Conrete Precast	rbing Lot	N	(		)-	
Fiberglass Cover Size			nholo #:			
Cover Size		Ma	nhole #:	L		
MH CONDITION  Good Fair Poor	LINE CONDITIONS  Material Size Depth of Invert	A B	С	D	E	F
Leaking	Depth of Surchage	11-12				
AREA COVER  Concrete Pavement  Asphalt Pavement  Gravel		- Concrete C - Asbestos Cem Drainage Area		PVC - P	olyvinyl (	Chloride
Sidewalk	Potential For timow	Diamage Alea				
Soil Grass Trees	In Ditch In Pond Area In Flood Area	Cover Opening Possible Head Size	1	2	3	4
MH DEFECTS	Infiltration:	Estimated Rate	(GPM) =			
Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom	High Medium Low		LEAK DE	SCRIPTI	ON	
Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Inflow	SUGGESTED REHAB:					
SOIL CONDITIONS  Dry  Moist  Wet  Saturated	Estimated Cost = \$					

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. N	MANHOLE S	URVEY
Crew: Date: 3/3//301/0 Time: 09.H/  MANHOLE CONSTRUCTION Brick	grkery Lat	N Sepulite
Block Concrete Poured Conrete Precast Fiberglass Cover Size		Manhole #:
MH CONDITION Good Fair Poor Leaking	LINE CONDITIONS  Material Size Depth of Invert Depth of Surchage	A B C D E F
AREA COVER Concrete Pavement Asphalt Pavement	Depth of Flow VC - Vertified Clay CI - Cast Iron AC	- Concrete PVC - Polyvinyl Chloride C - Asbestos Cement
Gravel Sidewalk Soil Grass Trees	Potential For Inflow  In Ditch In Pond Area In Flood Area	Cover Opening 1 2 3 4 Possible Head Size
MH DEFECTS Line Cracks Circle Cracks Broken Walls	Infiltration:  High Medium	Estimated Rate (GPM) =  LEAK DESCRIPTION
Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris	SUGGESTED REHAB:	
Roots Present Visible Infiltration Visible Inflow  SOIL CONDITIONS		
Dry Moist Wet Saturated	Estimated Cost = \$	

۸.	MANHOLE S	UR\	/EY				o (Acidus
CITY OF:	N		l N				
		<del>     </del>	H		,		
	<del>                                     </del>	<del>     </del>	- 11				
Manhole No: 9-79	<del>                                     </del>	┝╾┼┈┤	ľ		/		
Area:		╂╌╌╂			/		
Crew:		<del>                                     </del>	ŀ	4			
						1	
Date: 3/3//3/10 Time: 6/0:36				RVICE		)	į
			6€	N/\		Seguire	
MANHOLE CONSTRUCTION			1,			3/3	
Brick			ŀ		1 /	5 E	
Block						5.6	
Concrete Poured			l			1 3	
Conrete Precast			l			•	
Fiberglass			L_				
Cover Size			Man	hole #:			
MH CONDITION	LINE CONDITIONS	I A I	В	C	D	E	F
IGood	Material						
Fair	Size	-					
Poor	Depth of Invert	71					
Leaking	Depth of Surchage						
Lecture	Depth of Flow			<del>-</del> -		-	
AREA COVER		Concrete			PVC - P	olyvinyl (	Chloride
Concrete Pavement		- Asbesto		ent			Ĭ
Asphalt Pavement	0. 000:10.1					<del></del>	
Gravel	Potential For Inflow	Drainage	e Area =				
Sidewalk	Total Comment						
Soil	In Ditch	Cover C	pening	1	2	3	4
Grass	In Pond Area	Possible			<del>                                     </del>		
Trees	In Flood Area	Size					
Ticos				<u> </u>	<del></del>	<del></del>	
MH DEFECTS	Infiltration:	Estimate	ed Rate	(GPM) =			
✓ Line Cracks							
Circle Cracks	High			EAK DE	SCRIPTI	ON	
Broken Walls	Medium						
Broken Pipe Entrance	Low						
Broken Bottom							
Broken Frame	SUGGESTED REHAB:						
Broken Cover							·_ ·· ·
Clogged with Debris							
Roots Present							
Visible Infiltration							-
Visible Inflow	l <u>                                    </u>						
				<u> </u>			
SOIL CONDITIONS							
Dry							
Moist						****	
Wet	l						
Saturated	Estimated Cost = \$						

	MANHOLE S	<u>UR\</u>	<u>/E)</u>		<del>-</del>		
CITY OF:			1	<del></del>		<del></del>	
	HN	<del>                                     </del>	N				9
Mymilia		<del>                                     </del>	11		ſ		
			<b>[</b> ]		- 1		
Manhole No: 9-10 %			i				
Area:				٠,	, 1		METERS
Crew:			1 4	ewin			ž.
Date: 3/21/20/6			ار	ew /		1	
Time: 9:N3				(		<i></i>	
		1 1		•			307
MANHOLE CONSTRUCTION		<del>                                     </del>			$\overline{}$		
Brick	<del></del>	╂┈╂┈╢			1		
	<del></del>				1		100
Block	<del></del>				l		oppula
Concrete Poured							
Conrete Precast							
Fiberglass			L				
Cover Size			Mar	nhole #:			
	<del></del>	<del></del>				<u> </u>	
				_			
MH CONDITION	LINE CONDITIONS	Α	В	С	D	Е	F
Good	Material		•	]			
Fair	Size					l	
Poor	Depth of Invert	918					
Leaking	Death of Surchage			1		<del>                                     </del>	
Localing	Depth of Flow	<del>                                     </del>		<del>                                     </del>			
ADEA COVER		- Concrete	<del></del>	<u> </u>	DVC D	olyvinyl (	Chlorido
AREA COVER					PVC-P	Olyvillyi	21110110E
Concrete Pavement	CI - Cast Iron AC	- Asbest	os Cem	ent			
Asphalt Pavement							
Gravel	Potential For Inflow	Drainag	e Area =	=			
Sidewalk							
Soil	In Ditch	Cover (	Opening	1	2	3	4
Grass	In Pond Area	Possible				<del></del>	
	In Flood Area	Size	e i lead	<del></del>		<del> </del>	
Trees	in Flood Area	Size		<u> </u>	<u> </u>	<u> </u>	Ļ
MH DEFECTS	Infiltration:	Estimat	ed Rate	(GPM) =	:	<del></del>	
/XLine Cracks							
Circle Cracks	High	L	l	LEAK DE	SCRIPT	ION	
Broken Walls	Medium						
Broken Pipe Entrance	Low						
Broken Bottom			• •				
	SUGGESTED REHAB:						
Broken Frame	SUGGESTED RETAD.					<del></del>	
Broken Cover							
Clogged with Debris							
Roots Present							
Visible Infiltration							
Visible Inflow							
SOIL CONDITIONS	1 <del> </del>						<del></del>
Dry							
Moist	<u> </u>						······································
Wet							
Saturated	Estimated Cost = \$						

	MANHOLE S	URVE			y 1 U.	
CITY OF:		l N			-	
Magazlia				1		
Manhole No: 9-//9	╷ <del>╟╏╏┩╏</del>	+++				
Area:				)		
Crew:		<del>                                     </del>				10000
Date: 3/21/2016					1	
Date: 3/3//30/6 Time: 3:02			(		)	
MANHOLE CONSTRUCTION	ı <del>├─┼─</del>	<del>                                     </del>	•	$\overline{}$		
Brick						
Block		1 1 1		- /		
Concrete Poured						
Conrete Precast						
Fiberglass						
Cover Size		Mar	hole #:			
			•			
MH CONDITION	LINE CONDITIONS	A B	С	D	Е	F
Good	Material					
X Fair	Size					
Poor	Depth of Invert	1391				
Leaking	Depth of Surchage					
<u> </u>	Depth of Flow	•				
AREA COVER		- Concrete		PVC - P	olyvinyl (	Chloride
Concrete Pavement	CI - Cast Iron AC	- Asbestos Ceme	ent			
Asphalt Pavement						
Gravel .	Potential For Inflow	Drainage Area =				
Sidewalk						
Soil	In Ditch	Cover Opening	1	2	3	4
Grass	In Pond Area	Possible Head				
Trees	In Flood Area	Size				
, MH DEFECTS	Infiltration:	Estimated Rate	(GPM) =			
Line Cracks				ADIDE		
Circle Cracks	High	<u> </u>	EAK DES	CRIPTI	ON	
Broken Walls	Medium					
Broken Pipe Entrance	Low		<u> </u>			
Broken Bottom						
Broken Frame	SUGGESTED REHAB:					
Broken Cover						
Clogged with Debris						
Roots Present		<del> </del>			···	
Visible Infiltration				-	· · · · · · · · · · · · · · · · · · ·	
Visible Inflow	J L	<del></del>	<del></del>			
	, <del> </del>					
SOIL CONDITIONS		<del></del>				
Dry				·		
Moist	L				<del></del>	
Wet						
Saturated	Estimated Cost = \$					

	MANHOLE S	URVE	1			
CITY OF:	N	N		(		
Manhole No: 9-/2/ Area: Crew: Date: 3/23/2016 Time: 08:32			(		)	
MANHOLE CONSTRUCTION  Brick Block Concrete Poured Conrete Precast Fiberglass Cover Size		Ma	nhole #: 1			HEIMEIST WITZ EIGHE COTPAC WITZ SELTZ BEGOTF
Cover Size		l wai	mole #:			ئـــــــــــــــــــــــــــــــــــــ
MH CONDITION Good Fair Poor Leaking	LINE CONDITIONS  Material Size Depth of Invert Depth of Surchage	7/3"	C	D	E	F
AREA COVER Concrete Pavement Asphalt Pavement	CI - Cast Iron AC	- Concrete C - Asbestos Cem	ent	PVC - P	olyvinyl (	Chloride
Gravel Sidewalk Soil Grass Trees	In Ditch In Pond Area In Flood Area	Cover Opening Possible Head Size		2	3	4
MH DEFECTS Line Cracks Circle Cracks	Infiltration:	Estimated Rate	(GPM) = EAK DES	SCRIPTI	ON	
Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame	Medium Low SUGGESTED REHAB:					
Broken Cover Clogged with Debris Roots Present Visible Infiltration						
SOIL CONDITIONS  Dry						
Moist Wet Saturated	Estimated Cost = \$					

N	MANHOLE S	URVE	<u> </u>			
Manhole No: 9-/23 Area: Crew: Date: 3/22/2016 Time: 0 9 / 9  MANHOLE CONSTRUCTION Brick Block Concrete Poured Conrete Precast Fiberglass		N			): F	PORES
Cover Size		Mar	nhole #:			
MH CONDITION Good Fair Poor Leaking	LINE CONDITIONS  Material Size Depth of Invert Depth of Surchage Depth of Flow	A B	С	D	E	F
AREA COVER Concrete Pavement Asphalt Pavement		- Concrete C - Asbestos Cem	ent	PVC - P	olyvinyi (	Chloride
Gravel	Potential For Inflow	Drainage Area =	<u> </u>			
Sidewalk Soil Grass Trees	In Ditch In Pond Area In Flood Area	Cover Opening Possible Head Size	1	2	3	4
MH DEFECTS	Infiltration:	Estimated Rate	(GPM) =			
Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance X Broken Bottom	High Medium Low		EAK DE	SCRIPTI	ON	
Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Inflow	SUGGESTED REHAB:					
SOIL CONDITIONS  Dry  Moist  Wet  Saturated	Estimated Cost = \$					

N	MANHOLE S	URVEY			
CITY OF:	N	N	· · · · · · · · · · · · · · · · · · ·		
Magnolia					
Manhole No: /-/-/					
Area:	<del>                                      </del>				the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
Crew:	<del> </del>	<del>   </del>			
Date: <u>3/33/30/6</u> Time: <u>09</u> パタ		~	-(	<i></i>	
MANHOLE CONSTRUCTION			al P		A CONTRACTOR OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF
Brick	<del></del>	<del>                                     </del>	Service		púgocas
Block		<del>                                     </del>	1%		depth de
Concrete Poured		<del>                                     </del>	ζζ,		
Conrete Precast			,		a spine a
Fiberglass					CONT.
Cover Size		Mani	nole #:		
				2	E (re_ b.
MH CONDITION	LINE CONDITIONS	A B	C D	E	F
Good	Material				
<b>√</b> Fair	Size	1011			
Pcor	Depth of Invert	6 5			
Leaking	Depth of Surchage				
	Depth of Flow				
AREA COVER		Concrete		Polyvinyl C	hloride
Concrete Pavement	CI - Cast Iron AC	- Asbestos Cemer	nt		
Asphalt Pavement					<del></del> ,
Gravel	Potential For Inflow	Drainage Area =		-	
Sidewalk		rocura Occasion	4 1 3	1 3 1	
Soil	In Ditch	Cover Opening	1 2	3	4
Grass	In Pond Area	Possible Head Size		-	
Trees	In Flood Area	Size		1	
MH DEFECTS	Infiltration:	Estimated Rate (	GPM) =		
X Line Cracks					
Circle Cracks	High	LE	AK DESCRIPT	ION	
Broken Walls	Medium				
Broken Pipe Entrance	Low				
Broken Bottom					
Broken Frame	SUGGESTED REHAB:				
Broken Cover		····	<u></u>		
Clogged with Debris	<b> </b>				
Roots Present		<u></u>			
Visible Infiltration	<del> </del>				
Visible Inflow				<del></del>	<del></del>
SOIL CONDITIONS	ı	<del> </del>			
✓ Dry					
Moist		<del></del>			
Wet	<u> </u>		***		- 10p /d
1 1	Estimated Cost = \$	· · · · · · · · · · · · · · · · · · ·		*. *	

	MANHOLE S	URVE				
CITY OF:	N	N	{			
Manhole No: [] - H						e distribut see l'encolor
Area: Crew: Date: 3/33/38/6					\	
Time: 0 (0 (2))  MANHOLE CONSTRUCTION			envice		_	
Brick Block						Name of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest tension of the latest ten
Concrete Poured Conrete Precast Fiberglass						
Cover Size		Ма	nhole #:			
MH CONDITION  Good	LINE CONDITIONS Material	A B	С	D	E	F
Fair Poor	Size Depth of Invert	70				
Leaking	Depth of Surchage Depth of Flow			DVC D	olyvinyl C	blordo
AREA COVER Concrete Pavement Asphalt Pavement	1.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0	- Concrete C - Asbestos Cem	ent	PVC-P	Olyvinyi C	.nioride
Gravel Sidewalk	Potential For Inflow	Drainage Area	=			
Soil Grass	In Ditch In Pond Area In Flood Area	Cover Opening Possible Head Size	1	2	3	4
Trees  MH DEFECTS	Infiltration:	Estimated Rate	(GPM) =			
Line Cracks Circle Cracks	High Medium		LEAK DE	SCRIPTI	ON	
Broken Walls Broken Pipe Entrance Broken Bottom	Low				-	
Broken Frame Broken Cover	SUGGESTED REHAB:					
Clogged with Debris Roots Present						
Visible Infiltration Visible Inflow						
SOIL CONDITIONS						
Moist Wet			*			7. TA

	MANHOLE S	URVEY
CITY OF:    Manhole No: _Q	N	S 5
MANHOLE CONSTRUCTION  Brick Block Concrete Poured Conrete Precast Fiberglass Cover Size		Manhole #:
MH CONDITION	LINE CONDITIONS	ABCDEF
Good  A Fair Poor Leaking	Material Size Depth of Invert Depth of Surchage	13'0"
AREA COVER Concrete Pavement Asphalt Pavement Gravel		Concrete PVC - Polyvinyl Chloride - Asbestos Cement  Drainage Area =
Sidewalk Soil Grass Trees	In Ditch In Pond Area In Flood Area	Cover Opening 1 2 3 4 Possible Head Size
MH DEFECTS	Infiltration:	Estimated Rate (GPM) =
Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance	High Medium Low	LEAK DESCRIPTION
Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Inflow	SUGGESTED REHAB:	
SOIL CONDITIONS Dry Moist Wet		
Saturated	Estimated Cost = \$	

	MANHOLE SURVEY
CITY OF:	
Manhole No: Q-// 7 Area: Crew: Date: 3/33/20/0 Time: 0/0:35	55
MANHOLE CONSTRUCTION  Brick Block Concrete Poured Conrete Precast Fiberglass Cover Size	S Manhole #:
0010. 0120	Mamoo
MH CONDITION	LINE CONDITIONS A B C D E F
Good	Material
Fair Poor	Size Depth of Invert
Leaking	Depth of Surchage
Leading	Depth of Flow
AREA COVER	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride
Concrete Pavement	CI - Cast Iron AC - Asbestos Cement
Asphalt Pavement	7.0 7.000.00
Gravel	Potential For Inflow Drainage Area =
. Sidewalk	1 Contact of Tillion Districts
Soil	In Ditch Cover Opening 1 2 3 4
Grass	In Pond Area Possible Head
Trees	In Flood Area Size
MH DEFECTS	Infiltration: Estimated Rate (GPM) =
Line Cracks	
Circle Cracks	High LEAK DESCRIPTION
Broken Walls	Medium
Broken Pipe Entrance	Low
Broken Bottom	CHOCECTED DELIAD.
Broken Frame	SUGGESTED REHAB:
Broken Cover Clogged with Debris	
Roots Present	
/X Visible Infiltration	
Visible Inflow	
A SOIL CONDITIONS	
NDry	
Moist	
Wet	
Saturated	Estimated Cost = \$

۸	MANHOLE S	URVE'	Υ			
CITY OF:	N	N				
Manhole No: 4-130 Area: Crew: Date: 3/23/56/6 Time: 09,5			Rrice (		)—	
MANHOLE CONSTRUCTION  Brick Block Concrete Poured Conrete Precast Fiberglass Cover Size			nhole #:			ed in the graph and property of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the
MH CONDITION	LINE CONDITIONS	T-4-1-5-	1 0		-	
Good Fair Poor Leaking	LINE CONDITIONS  Material Size Depth of Invert Depth of Surchage	A B	C	D	E	F
AREA COVER Concrete Pavement		- Concrete C - Asbestos Cem	ent	PVC - P	olyvinyi (	Chloride
Asphalt Pavement Gravel Sidewalk	Potential For Inflow	Drainage Area	=			
Soil Grass Trees	In Ditch In Pond Area In Flood Area	Cover Opening Possible Head Size	1	2	3	4
MH DEFECTS	Infiltration:	Estimated Rate	(GPM) =			
Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom	High Medium Low		LEAK DE	SCRIPTI	ON	
Broken Frame Broken Cover Clogged with Debris	SUGGESTED REHAB:					
Roots Present Visible Infiltration Visible Inflow						
SOIL CONDITIONS    X   Dry   Moist						
Wet Saturated	Estimated Cost = \$					

	MANHOLE S	URVEY	7		· ·	
CITY OF:	N	N		f		
Manhole No: 9-1/0 Area: Crew: Date: 3/33/30/0 Time: 0/0 ' 4 '7			(		)—	
Brick Block Concrete Poured Conrete Precast Fiberglass Cover Size		Man	hole #:	/G		
MH CONDITION	LINE CONDITIONS Material	A B	С	D	E	F
Fair Poor Leaking	Depth of Surchage	19,0				
AREA COVER Concrete Pavement	I V	Concrete - Asbestos Ceme	ent	PVC - P	olyvinyl (	Chloride
Asphalt Pavement Gravel Sidewalk	Potential For Inflow	Drainage Area =				
Soil Grass Trees	In Ditch In Pond Area In Flood Area	Cover Opening Possible Head Size	1	2	3	4
MH DEFECTS	Infiltration:	Estimated Rate	(GPM) =	:	·	
Circle Cracks Broken Walls Broken Pipe Entrance	High Medium Low	L	EAK DE	SCRIPTI	ON	
Broken Bottom Broken Frame Broken Cover Clogged with Debris	SUGGESTED REHAB:					
Roots Present Visible Infiltration Visible Inflow						
SOIL CONDITIONS						
Saturated	Estimated Cost = \$					

	IANHOLE SURVEY
Manhole No: 4-1/4 Area: Crew: Date: 3/33/30/0 Time: 6//://  MANHOLE CONSTRUCTION Brick Block Concrete Poured Conrete Precast	N S S
Fiberglass Cover Size	Manhole #:
MH CONDITION Good Fair Poor Leaking  AREA COVER Concrete Pavement Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks	LINE CONDITIONS A B C D E F  Material Size Depth of Invert Depth of Surchage Depth of Flow VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride CI - Cast Iron AC - Asbestos Cement  Potential For Inflow Drainage Area =  In Ditch In Pond Area In Flood Area In Flood Area  Infiltration: Estimated Rate (GPM) =
Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Inflow  SOIL CONDITIONS  Dry Moist Wet Saturated	Medium Low  SUGGESTED REHAB:  Estimated Cost = \$

N	IANHOLE S	URVEY	200 00 00 00 00 00
CITY OF:	N	I I I I I	
		<del>                                      </del>	
Manhole No: 9~/0-5			San Colonia
Area:			TOTAL DE
Crew:		<del>                                      </del>	
Date: <u>3/23/20</u> Time: ) / 2-3	<del></del>	<del>     </del>   (	and the same
Time: 1:23		$+++1$ $\downarrow$ $\downarrow$	
MANHOLE CONSTRUCTION	<del></del>	111.	900
Brick	<del>                                     </del>	++-115/ / \	
Block		<del>                                      </del>	
Concrete Poured			
Conrete Precast			2
Fiberglass		<u> </u>	
Cover Size		Manhole #:	
MH CONDITION	LINE CONDITIONS	A B C D E F	
Good	Material		
Fair	Size	1,,,/3/	
Peor	Depth of Invert	W 4	
Leaking	Depth of Surchage	<del> </del>	
AREA COVER	Depth of Flow VC - Vertified Clay C	- Concrete PVC - Polyvinyl Chloric	de
Concrete Pavement		C - Asbestos Cement	
Asphalt Pavement	or-oastiion //	7 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	
Gravel	Potential For Inflow	Drainage Area =	1
Sidewalk			
Soil	In Ditch	Cover Opening 1 2 3 4	
Grass	In Pond Area	Possible Head	
Trees	In Flood Area	Size	
MH DEFECTS	Infiltration:	Estimated Rate (GPM) =	
Line Cracks	15 that	LEAK DESCRIPTION	_
Circle Cracks	High Medium	ELAR BEGORGI HOW	
Broken Walls Broken Pipe Entrance	Low		
Broken Bottom			
Broken Frame	SUGGESTED REHAB:		
Broken Cover			
Clogged with Debris			
Roots Present			
Visible Infiltration			
Visible Inflow			
201 CONDITIONS			
SOIL CONDITIONS			
☑ Dry Moist			
Wet			
Saturated	Estimated Cost = \$		
Camica			

<b>N</b>	IANHOLE S	UR\	/EY	/			
CITY OF:	N I		IN	·	<u> </u>	<del></del>	
Manhole No: 9-100			Į.				perien
Area:			1		_		260
Crew:		<del>                                     </del>	ĺ			150	Rec
Date: 3/23/20/6 Time: 1:30		┝┼┤		(		1	
14110. 7,00				\			
MANHOLE CONSTRUCTION					1		23 A
Brick							
Block	<del></del>	$\square$			-		9
Concrete Poured	<del> </del>	1			Į		
Conrete Precast Fiberglass	<del></del>	<del>                                     </del>	1				
Cover Size	<del>}-}-}-</del>	1-1-1	Man	hole #:			
		<u> </u>	<u> </u>		-		
MH CONDITION	LINE CONDITIONS	Α	В	С	D	E	F
Good	Material						
Fair	Size		,				
Poor		4'0					
Leaking	Depth of Surchage						
	Depth of Flow	Ì	<u> </u>	Ĺ			
AREA COVER		Concrete			PVC - P	olyvinyi (	Chloride
Concrete Pavement	CI - Cast Iron AC	- Asbest	os Ceme	ent			
Asphalt Pavement	p.,					·	
Gravel	Potential For Inflow	Drainag	e Area =	· · · · · · · · · · · · · · · · · · ·			
Sidewalk		1 Oanan (		1	2	3	4
Soil	In Ditch		Opening	<del></del>			
Grass	In Pond Area	Possible	e neau			<b> </b> -	-
Trees	In Flood Area	Size		·	L	ł	<u> </u>
MH DEFECTS	infiltration:	Estimat	ed Rate	(GPM) =			
Line Cracks							
Circle Cracks	High		ì	EAK DE	SCRIPTI	ON	
Broken Walls	Medium						
Broken Pipe Entrance	Low	L					
Broken Bottom							<del></del>
Broken Frame	SUGGESTED REHAB:						
Broken Cover		<del></del>					
Clogged with Debris					<del> </del>		
Roots Present		·					····
Visible Infiltration Visible Inflow							
Visible innow							
SOIL CONDITIONS							
Nory							
Moist							
Wet							
Saturated	Estimated Cost = \$						

	1ANH	OLE S	UR\	VE)	/			
CITY OF:	N			N				
						1		
				] ]]		- 1		
Manhole No: 9-190						)		Santa.
Area:								20,000
Crew:			<del>- </del>	11			\	
Date: 3/33/2016			+	l I			)	
Time: 1:50	<del> </del>	<del></del>		H				
MANHOLE CONSTRUCTION	<del></del>		+-+-					
Brick	<del> </del>		++-	1 1		1		
Block			<del>                                     </del>	1		1		#5000F
Concrete Poured				11			9	
Conrete Precast				1				g cours
Fiberglass								
Cover Size				Mar	nhole#:			
MH CONDITION	LINEC	ONDITIONS	Α	В	С	D	Е	F
Good	Material							
Fair	Size	-		21				
Poor	Depth of Inv	ert -	9.9					
Leaking	Depth of Su	_						
·	Depth of Fle					ļ,	<u> </u>	
AREA COVER	VC - Vertifie		- Concret			PVC - P	olyvinyl (	Chloride
Concrete Pavement	CI - Cast Iro	n A	C - Asbest	tos Cem	ent			
Asphalt Pavement								
Gravel	Potential Fo	r Inflow	Drainag	je Area =	: 			
Sidewalk								
Soil	In Ditch	•		Opening	1	2	3_	4
Grass	In Pond		Possibl	e Head	<u></u>	<u> </u>		
Trees	in Floor	Area	Size		<u> </u>	<u> </u>	J	-
MUDEFFOTO	Infiltration:		Ectimo	ted Pete	(GPM) =			
MH DEFECTS Line Cracks	innivation:		Esuma	teu Nate	(GPW) -			
Circle Cracks	High	<del></del>		1	EAK DE	SCRIPT	ON	
Broken Walls	Mediun	.	<b></b>					
Broken Pipe Entrance	Low	· j						
Broken Bottom			<u> </u>			*		7
Broken Frame	SUGGESTI	ED REHAB:						
Broken Cover				,				
Clogged with Debris								
Roots Present								
Visible Infiltration								
Visible Inflow								<del></del>
SOIL CONDITIONS	<b> </b>							
Dry					~~~~			
Moist	<u> </u>							
Wet		A		<del> </del>				
Saturated	<b>Estimated</b>	Cost = \$						

MANHOLE SURVEY				
CITY OF:		1		
Manhole No: 9-/27 Area: Crew: Date: 3/2-3/2016 Time: 2'08				
MANHOLE CONSTRUCTION  Brick  Block  Concrete Poured  Conrete Precast  Fiberglass  Cover Size	Manhole #:			
Cover Size	Wallide #.			
MH CONDITION Good Fair Poor Leaking	LINE CONDITIONS A B C  Material Size Depth of Invert Depth of Surchage	D E F		
AREA COVER  Concrete Pavement  Asphalt Pavement	CI - Cast Iron AC - Asbestos Cement	PVC - Polyvinyl Chloride		
Gravel Sidewalk  Soil  Grass	Potential For Inflow    In Ditch   Cover Opening   1	2 3 4		
Trees  MH DEFECTS	In Flood Area Size  Infiltration: Estimated Rate (GPM) =			
Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom	High LEAK DES Medium Low	SCRIPTION		
Broken Frame Broken Cover Clogged with Debris Roots Present	SUGGESTED REHAB:			
Visible Infiltration Visible Inflow  SOIL CONDITIONS				
Dry Moist Wet Saturated	Estimated Cost = \$			

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MANHOLE SURVEY						
CITY OF:	N	N				
Manhole No: 12-53 Area: Crew: Date: 2/23/20 10 Time:			\frac{1}{2}		)	
MANHOLE CONSTRUCTION  Brick Block Concrete Poured Conrete Precast Fiberglass						
Cover Size		Mai	nhole #:			
MH CONDITION	LINE CONDITIONS	A B	С	D	E	F
Fair Poor Leaking	Material Size Depth of Invert Depth of Surchage	43				
AREA COVER Concrete Pavement		- Concrete C - Asbestos Cemo	ent	PVC - P	olyvinyl (	Chloride
Asphalt Pavement Gravel Sidewalk	Potential For Inflow	Drainage Area =	2			
Soil Grass Trees	In Ditch In Pond Area In Flood Area	Cover Opening Possible Head Size	1	2	3	4
MH DEFECTS	Infiltration:	Estimated Rate	(GPM) =			
Circle Cracks Broken Walls Broken Pipe Entrance	High Medium Low		EAK DES	CRIPTI	ON	
Broken Bottom Broken Frame Broken Cover	SUGGESTED REHAB:					
Clogged with Debris Roots Present Visible Infiltration				-		
Visible Inflow  SOIL CONDITIONS						
Moist Wet						
Saturated	Estimated Cost = \$					

MANHOLE SURVEY			
CITY OF:			
Magnatia			
Manhole No: 12-50			
Area:			
Crew:			
Date: 3/24/30/6			
Time: 69111			
MANHOLE CONSTRUCTION			
Brick			
Block			
Concrete Poured			
Conrete Precast			
Fiberglass			
Cover Size 23//2	Manhole #: 12-50		
1. 1. 0.			
MH CONDITION	LINE CONDITIONS A B C D E F		
Good	Material		
∑ Fair	Size		
Poor	Depth of Invert		
Leaking	Depth of Surchage		
	Depth of Flow		
AREA COVER	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride		
Concrete Pavement	CI - Cast Iron AC - Asbestos Cement		
Asphalt Pavement			
Gravel	Potential For Inflow Drainage Area =		
Sidewalk	- decided to this -		
Soil	In Ditch Cover Opening 1 2 3 4		
Grass	In Pond Area Possible Head		
Trees	In Flood Area Size		
Trees	Jill Flood Alea		
MUSEESTS	In Films to J. D. J. (ODI I)		
MH DEFECTS	Infiltration: Estimated Rate (GPM) =		
Line Cracks			
Circle Cracks	High LEAK DESCRIPTION		
Broken Walls	Medium		
Broken Pipe Entrance	Low		
Broken Bottom			
Broken Frame	SUGGESTED REHAB:		
Broken Cover			
Clogged with Debris			
Roots Present			
Visible Infiltration			
Visible Inflow			
SOIL CONDITIONS			
<b>X</b> Dry			
Moist	· · · · · · · · · · · · · · · · · · ·		
Wet	<del>1</del>		
Saturated	Estimated Cost = \$		
I Journalou			

MANHOLE SURVEY				
Manhole No: /2 -5/ Area: Crew: Date: 7/34/20// Time: // / / / / / / / / / / / / / / / / /				
Cover Size	Manhole #: 12-5			
MH CONDITION Good Fair Poor Leaking  AREA COVER Concrete Pavement Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks	LINE CONDITIONS A B C D E F  Material Size Depth of Invert Depth of Surchage Depth of Flow VC - Vertified Clay C - Concrete Ct - Cast Iron  Potential For Inflow  Cover Opening 1 2 3 4  In Pond Area In Flood Area  In Flood Area  In Flood Area  Estimated Rate (GPM) =			
Circle Cracks	High LEAK DESCRIPTION			
Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Inflow	Medium Low  SUGGESTED REHAB:			
SOIL CONDITIONS				
Dry				
Wet Saturated	Estimated Cost = \$			

MANHOLE SURVEY						
CITY OF:	· N	l N				
		<del>                                     </del>				
Manhole No: 1-/-3	5					i
Area: Neurhau f.	remer					
Crew:					\	
Date: 3/38/80/0 Time: 08:54		<del></del>	Overed		)	
MANHOLE CONSTRUCTION	╻ <del>┝╼╄═╂═╂</del> ═╂ <del>╸</del> ╂	1-1-1 6	ON DESCRIPTION OF			
Brick	┆ <del>┞┈╂╌╂┈╂╌╏┈╏╸</del>	╀┼┤╿┤				
Block		<del>                                     </del>				
X Concrete Poured		<del>                                     </del>				
Conrete Precast						
Fiberglass						
Cover Size		Mar	nhole #:			
MH CONDITION	LINE CONDITIONS	АВ	С	D	E	F
Good	Material					
Fair	Size					
Poor	Depth of Invert	50				
Leaking	Depth of Surchage					
	Depth of Flow		İ			
AREA COVER		- Concrete	_	PVC - P	olyvinyl (	Chloride
Concrete Pavement	CI - Cast Iron A	C - Asbestos Ceme	ent			<del></del>
Asphalt Pavement	D-tartal Facilifica	Decises Asses		<del></del>		
Gravel Sidewalk	Potential For Inflow	Drainage Area =				<del></del>
Soil	In Ditch	Cover Opening	1	2	3	4
Grass	In Pond Area	Possible Head	<del>                                     </del>			
Trees	In Flood Area	Size				
11000		<del></del>	<del></del>	<u></u>	L	
MH DEFECTS	Infiltration:	Estimated Rate	(GPM) =	v		
Line Cracks					<u> </u>	
Circle Cracks	High	<u> </u>	EAK DE	SCRIPTI	ON	
Broken Walls	Medium					<del></del>
Broken Pipe Entrance	Low	. <u> </u>	<u> </u>		igé <del>a y angra iganar dan</del>	
Broken Bottom	OUCCETED DELIAD					<del></del>
Broken Frame	SUGGESTED REHAB:					<del></del>
Broken Cover Clogged with Debris						
Roots Present		<del></del>				
Visible Infiltration			·····	<del></del>		
Visible Inflow		<del></del>		• • • • • • • • • • • • • • • • • • • •		
						·
SOIL CONDITIONS	1	B.				
Dry						
Moist						
Wet						
Saturated	Estimated Cost = \$					

		MANHOLE S	URVEY
	CITY OF:  Manhole No: 10-146  Sheek Mara: 14-2 + 44  Orew: Date: 3/38/30/6  Time: 09/49		
	MANHOLE CONSTRUCTION  Brick  Block  Concrete Poured  Conrete Precast  Fiberglass  Cover Size		Manhole #:
ļ	MH CONDITION	LINE CONDITIONS	ABCDEF
	Good Fair Poor	Material Size Depth of Invert Depth of Surchage	74
ļ	Leaking	Depth of Flow	
	AREA COVER	VC - Vertified Clay C -	Concrete PVC - Polyvinyl Chloride
	Concrete Pavement	CI - Cast Iron AC	- Asbestos Cement
	Asphalt Pavement Gravel	Potential For Inflow	Drainage Area =
	Sidewalk	- contract of minor	
	Soil	in Ditch	Cover Opening 1 2 3 4
	Grass	In Pond Area	Possible Head
	Trees	In Flood Area	Size
	MH DEFECTS	Infiltration:	Estimated Rate (GPM) =
•	Line Cracks		
	Circle Cracks	High	LEAK DESCRIPTION
	Broken Walls Broken Pipe Entrance	Medium Low	
	Broken Bottom		
	Broken Frame	SUGGESTED REHAB:	
	Broken Cover		
	Clogged with Debris Roots Present		
	Visible Infiltration		- <del> </del>
	Visible Inflow		
	SOIL CONDITIONS		
	X   Dry   Moist		
	Wet	L	
	Saturated	Estimated Cost = \$	

N	MANHOLE SURVEY
CITY OF:	N N
Manhole No: 1/1 ^ 1/5 Area: Crew: Date: 3/39/30/0 Time: 10; 4/4	SERVICE SERVICE
MANHOLE CONSTRUCTION  Brick Block Concrete Poured	
Conrete Precast Fiberglass Cover Size	Manhole #:
MH CONDITION Good	LINE CONDITIONS A B C D E F Material
Fair Poor Leaking	Size Depth of Invert Depth of Surchage
AREA COVER Concrete Pavement Asphalt Pavement	Depth of Flow  VC - Vertified Clay  C - Concrete  PVC - Polyvinyl Chloride  CI - Cast Iron  AC - Asbestos Cement
Gravel Sidewalk	Potential For Inflow Drainage Area =
Soil Grass Trees	In Ditch Cover Opening 1 2 3 4 In Pond Area Possible Head In Flood Area Size
MH DEFECTS	Infiltration: Estimated Rate (GPM) =
Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance	High LEAK DESCRIPTION  Medium Low
Broken Bottom Broken Frame Broken Cover Clogged with Debris	SUGGESTED REHAB:
Roots Present Visible Infiltration Visible Inflow	
SOIL CONDITIONS  Dry  Moist	
Wet Saturated	Estimated Cost = \$

:

MANHOLE SURVEY					
CITY OF:	N N	ln			
Magazla					
	' <del>                                    </del>				
Manhole No: 10-43/4					
Area: Black beny					
Crew:					
Date: 3/3-8/3016			- (		
Time: [ ; 0 d				ſ	
MANUAL E CONSTRUCTION	·	1 1	•		
MANHOLE CONSTRUCTION	<del>                                   </del>	<del>   </del> !			ANTONO
Brick Block	<del>│ ├─╁─╂─╂─╂</del> ─╂			}	
Concrete Poured	<del>┃┣═╋═╋═╋</del> ═╋	╅╼╂╌╡╏	1	ſ	panec
Conrete Precast			l.		
Fiberglass	<del>│ ├─┼─┼─┼─┼</del>				
Cover Size		Mar	nhole #:	10-43	A
	<del> </del>		اسمسيون	70 70	<u></u>
MH CONDITION	LINE CONDITIONS	AB	С	2 -	
Good	Material Material	A B	<u> </u>	D E	F
Fair	Size	· <del>  </del>			
Poor	Depth of Invert	10'10"	<del> </del>		
Leaking	Depth of Surchage	10-10-			
	Depth of Flow				
AREA COVER		Concrete	<del></del>	PVC - Polyvin	vi Chloride
Concrete Pavement	CI - Cast Iron AC	- Asbestos Ceme		-	
Asphalt Pavement					
Gravel	Potential For Inflow	Drainage Area =			
Sidewalk					
Soil	In Ditch	Cover Opening	1	2 3	4
<b>∭</b> Grass	In Pond Area	Possible Head			
Trees	in Flood Area	Size			
MH DEFECTS	Infiltration:	Estimated Rate	(GPM) =		
Line Cracks Circle Cracks	High		EAK DES	CRIPTION	
Broken Walls	Medium		LAN DEC	CRIPTION	
Broken Pipe Entrance	Low	<b></b>	<del></del>	<del></del>	
Broken Bottom		<del></del>			
Broken Frame	SUGGESTED REHAB:				
Broken Cover					
Clogged with Debris					
Roots Present					
Visible Infiltration					
Visible Inflow					
SOIL CONDITIONS	<b></b>	<del></del>		·	
Dry					
Moist				<del></del>	
Wet	E-Product Oct - A	·····			
Saturated	Estimated Cost = \$				

MANHOLE SURVEY			
Manhole No: 10 - 40 Area: Crew: Date: 3/3 / Ac/0 Time: 36 5  MANHOLE CONSTRUCTION Brick Block Concrete Poured Conrete Precast Fiberglass			
Cover Size	Manhole #: 10 - ~ 0		
MH CONDITION Good Fair Poor Leaking	LINE CONDITIONS A B C D E F  Material Size Depth of Invert Depth of Surchage Depth of Flow		
AREA COVER Concrete Pavement	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride CI - Cast Iron AC - Asbestos Cement		
Asphalt Pavement Gravel Sidewalk	Potential For Inflow Drainage Area =		
Sidewalk Soil Grass Trees	In Ditch In Pond Area In Flood Area Cover Opening 1 2 3 4 Possible Head Size		
MH DEFECTS	Infiltration: Estimated Rate (GPM) =		
Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance	High LEAK DESCRIPTION  Medium Low		
Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Inflow	SUGGESTED REHAB:		
SOIL CONDITIONS    X   Dry     Moist     Wet     Saturated	Estimated Cost = \$		

i

MANHOLE SURVEY			
CITY OF:	N .	N N	
Manhole No: 7-/6 Area: Crew: Date: 7/29/20/6 Time: 9:39			
MANHOLE CONSTRUCTION  Brick  Block  Concrete Poured  Conrete Precast  Fiberglass		Seal e	
Cover Size		Manhole #: 17-16	
MH CONDITION Good Fair Poor Leaking	LINE CONDITIONS  Material  Size  Depth of Invert  Depth of Surchage	A B C D E F	
AREA COVER Concrete Pavement Asphalt Pavement	CI - Cast Iron AC	Concrete PVC - Polyvinyl Chloride - Asbestos Cement	
Gravel Sidewalk Soil Grass Trees	In Ditch In Pond Area In Flood Area	Drainage Area =  Cover Opening 1 2 3 4  Possible Head Size	
MH DEFECTS	Infiltration:	Estimated Rate (GPM) =	
Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance	High Medium Low	LEAK DESCRIPTION	
Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present	SUGGESTED REHAB:		
Visible Infiltration Visible Inflow  SOIL CONDITIONS			
Dry Moist Wet Saturated	Estimated Cost = \$		

MANHOLE SURVEY			
Manhole No: 7 -/ / Area: Crew: Date: 3/39/30/6 Time: 0 7 : 3-3  MANHOLE CONSTRUCTION Brick Block Concrete Poured Conrete Precast Fiberglass	DROP O		
Cover Size	Manhole #: 9~/		
MH CONDITION Good Fair Poor Leaking	LINE CONDITIONS A B C D E F  Material Size Depth of Invert Depth of Surchage Depth of Flow		
AREA COVER Concrete Pavement	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride CI - Cast Iron AC - Asbestos Cement		
Asphalt Pavement Gravel	Potential For Inflow Drainage Area =		
Sidewalk Soil Grass Trees	In Ditch Cover Opening 1 2 3 4  In Pond Area Possible Head In Flood Area Size		
MH DEFECTS	Infiltration: Estimated Rate (GPM) =		
Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance	High LEAK DESCRIPTION  Medium Low		
Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Inflow	SUGGESTED REHAB:		
SOIL CONDITIONS  Dry Moist Wet Saturated	Estimated Cost = \$		

MANHOLE SURVEY				
CITY OF:  **The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the st				
MANHOLE CONSTRUCTION  Brick Block Concrete Poured Conrete Precast Fiberglass Cover Size	Manhole #: \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
MH CONDITION	LINE CONDITIONS A B C D E F			
Good Fair Poor Leaking	Material Size Depth of Invert Depth of Surchage			
	Depth of Flow			
AREA COVER Concrete Pavement	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride CI - Cast Iron AC - Asbestos Cement			
Asphalt Pavement	CI - Cast IIOII AC - Ashesius Celifeit			
Gravel	Potential For Inflow Drainage Area =			
Sidewalk				
Soil	In Ditch Cover Opening 1 2 3 4			
Grass	In Pond Area Possible Head			
Trees	In Flood Area Size			
MH DEFECTS	Infiltration: Estimated Rate (GPM) =			
Line Cracks	Innabados. Contract Contract			
Circle Cracks	High LEAK DESCRIPTION			
Broken Walls	Medium			
Broken Pipe Entrance	Low			
Broken Bottom  Broken Frame	SUGGESTED REHAB:			
Broken Cover				
Clogged with Debris				
Roots Present				
Visible Infiltration				
Visible Inflow	<u> </u>			
SOIL CONDITIONS	1			
Dry				
Moist				
Wet				
Saturated	Estimated Cost = \$			

	MANHOLE	SURV	/EY	· .		
CITY OF:  Manhole No: 10-35  Area: Crew: Date: 3/39/30 10  Time: 9:38  MANHOLE CONSTRUCTION  Brick Block			38RV	Per Company	) se,	pvie
Concrete Poured Conrete Precast Fiberglass Cover Size			Manhok	e#. 10-3	5	
MH CONDITION Good Fair Poor Leaking	LINE CONDITIONS  Material Size Depth of Invert Depth of Surchage Depth of Flow	A	B (	C D	E	F
AREA COVER Concrete Pavement Asphalt Pavement Gravel Sidewalk	VC - Vertified Clay GI - Cast Iron Potential For Inflow	C - Concrete AC - Asbesto Drainage	s Cement	PVC - P	olyvinyl C	hloride
Soil SGrass Trees  MH DEFECTS	In Ditch In Pond Area In Flood Area Infiitration:	Cover O Possible Size		1 2	3	4
Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom	High Medium Low	Estriate		( DESCRIPTI	ON	
Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Inflow	SUGGESTED REHAB:					
SOIL CONDITIONS  Dry  Moist  Wet						
Saturated	Estimated Cost = \$		*			

N	MANHOLE	SU	IRV	EY	<u>,</u>			
CITY OF:  Transfer  Manhole No: /0 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -	N			N			) ³⁴ /	liee
Concrete Poured Conrete Precast Fiberglass Cover Size				Mar	ihole #:	10-	23	
MH CONDITION"	LINE CONDITIONS		Α	В	С	D	E	F
Good	Material							
X Fair	Size			9/1				
Roor	Depth of Invert	<b>^-</b>	5	1				
Leaking	Depth of Surchage							
	Depth of Flow				<u> </u>			-
AREA COVER	VC - Vertified Clay	_	oncrete			PVC - P	olyvinyi (	Chloride
Concrete Pavement	CI - Cast Iron	AC-	Asbesto	s Ceme	ent			
Asphalt Pavement								
Gravel	Potential For Inflow	ĺ	<b>Drainage</b>	Area =	•			
Sidewalk								
Soil	In Ditch		Cover O	pening	1	2	3	4
X Grass	In Pond Area	Ī	Possible	Head				
Trees	In Flood Area		Size					
	10	=						
MH DEFECTS	Infiltration:		Estimate	d Rate	(GPM) =	:		
Line Cracks								
Circle Cracks	High		-	L	EAK DE	SCRIPTI	ON	
Broken Walls	Medium							
Broken Pipe Entrance	Low							
Broken Bottom								
Broken Frame	SUGGESTED REHAB:							
Broken Cover								
Clogged with Debris						·	<del></del>	
Roots Present					·			<del></del>
Visible Infiltration					<del></del>			
Visible Inflow								
	ı							<del></del>
SOIL CONDITIONS				******		<del> </del>		
[X]Dry						······································		<del> </del>
Moist	<u> </u>							·
Wet	Estimated Cast - 6		<del></del>				ēr :	
Saturated	Estimated Cost = \$					*		

N	MANHOLE SURVEY
CITY OF:	
Magnalia	
-//aifraco	
Manhole No: /// 2/	<del>                                     </del>
Area:	
Crour	
Date: 3/29/20/0	
Time: 19 18	- I applied
	Service Service
MANHOLE CONSTRUCTION	
Brick	
Block	
Concrete Poured	
Conrete Precast	
Fiberglass	
Cover Size	Manhole #: \( \int O - \rightarrow \)
MH CONDITION	LINE CONDITIONS A B C D E F
Good	Material
Fair	Size
Poor	Depth of Invert
Leaking	Depth of Surchage
	Depth of Flow
AREA COVER	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride
Concrete Pavement	CI - Cast Iron AC - Asbestos Cernent
Asphalt Pavement	
Gravel	Potential For Inflow Drainage Area =
Sidewalk	
Soil	In Ditch Cover Opening 1 2 3 4
Grass	In Pond Area Possible Head
Trees	In Flood Area Size
MH DEFECTS	Infiltration: Estimated Rate (GPM) =
Line Cracks Circle Cracks	High LEAK DESCRIPTION
	Medium EDAK DESCRIPTION
Broken Walls Broken Pipe Entrance	Low
Broken Bottom	
Broken Frame	SUGGESTED REHAB:
Broken Cover	
Clogged with Debris	
Roots Present	
Visible Infiltration Bud	
✓ Visible Inflow	
	,
SOIL CONDITIONS	
<b>X</b>  Dry	
Moist	
Wet	
Saturated	Estimated Cost = \$

N	MANHOLE SURVEY
Manhole No: 10~10 9 Area: Crew: Date: 5/19/2010 Time: 1:00  MANHOLE CONSTRUCTION Brick Block Concrete Poured Conrete Precast Fiberglass	
Cover Size	Manhole #: 1/0 - 10 9
MH CONDITION  Good Fair Poor Leaking	LINE CONDITIONS A B C D E F  Material Size Depth of Invert Depth of Surchage
AREA COVER	Depth of Flow  VC - Vertified Clay)  C - Concrete  PVC - Polyvinyl Chloride
Concrete Pavement Asphalt Pavement Gravel Sidewalk Soil	CI - Cast Iron AC - Asbestos Cement  Potential For Inflow Drainage Area =  In Ditch Cover Opening 1 2 3 4
Grass	In Pond Area Possible Head In Flood Area Size
Trees	In Flood Area
MH DEFECTS	Infiltration: Estimated Rate (GPM) =
Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance	High LEAK DESCRIPTION  Medium Low
Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Inflow	SUGGESTED REHAB:
SOIL CONDITIONS  Dry  Moist  Wet  Saturated	Estimated Cost = \$

N	MANHOLE SI	<b>JRVE</b>				
CITY OF:	N	N		<del></del>		
Manhole No: 10~69 Area: Crew: Date: 5//9/30/16 Time: 1:146			(		<b>)</b>	_
MANHOLE CONSTRUCTION  Brick Block Concrete Poured Conrete Precast Fiberglass Cover Size		Mai	nhole #:	10-	<i>h</i> 9	
Oover Oze	<del>                                      </del>			170	<i>V.</i> 7	
MH CONDITION Good Fair Poor Leaking	LINE CONDITIONS  Material Size Depth of Invert Depth of Surchage	A B	С	D	E	F
AREA COVER Concrete Pavement Asphalt Pavement		Concrete - Asbestos Cem	ent	PVC - F	Polyvinyl (	Chloride
Gravel Sidewalk	Potential For Inflow	Drainage Area :	=			
Soil Grass Trees	In Ditch In Pond Area In Flood Area	Cover Opening Possible Head Size	1	2	3	4
MH DEFECTS	Infiltration:	Estimated Rate	(GPM) =		·-·· •	
Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance	High Medium Low		EAK DE	SCRIPT	ON	
Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Infilow	SUGGESTED REHAB:					
SOIL CONDITIONS  Dry  Moist						
Wet Saturated	Estimated Cost = \$					

	MANHOLE	SURVEY	
Manhole No: Job 70 Area: Crew: Date: 5//9/30/0 Time: 2:38  MANHOLE CONSTRUCTION Brick Block Concrete Poured Conrete Precast			
Fiberglass Cover Size		Manhole #:	10-96
	<u> </u>	I I I I I I I I I I I I I I I I I I I	VV / Z
MH CONDITION Good Fair Poor Leaking	LINE CONDITIONS Material Size Depth of Invert Depth of Surchage	A B C P 3'	D E F
AREA COVER	Depth of Flow VC - Vertified Clay	C - Concrete P	VC - Polyvinyl Chloride
Concrete Pavement	CI - Cast Iron	AC - Asbestos Cement	
Asphalt Pavement			
Gravel	Potential For Inflow	Drainage Area =	
Sidewalk Soil	In Ditch	Cover Opening 1	2 3 4
Grass	In Pond Area	Possible Head	
Trees	In Fiood Area	Size	
THE DESCRIPTION OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERT	Infiltration:	Estimated Rate (GPM) =	
MH DEFECTS Line Cracks	minuauori.	Esumated Rate (GPW) -	
Circle Cracks	High	LEAK DESC	RIPTION
Broken Walls	Medium		
Broken Pipe Entrance	Low	to day strategy physical str. 40 % and a	
Broken Bottom Broken Frame	SUGGESTED REHAB:		<del></del>
Broken Cover			
Clogged with Debris			
Roots Present	<b> </b>		
Visible Infiltration Visible Inflow	<del> </del>		
VISIDLE HILLOW	<del>                                   </del>		<del></del>
SOIL CONDITIONS			
X  Dry			
Moist			
Wet		· · · · · · · · · · · · · · · · · · ·	<del> </del>
Saturated	Estimated Cost = \$		

	MANHOLE SURVEY
Manhole No: 10~5  Area: Crew: Date: 5/20/30/6 Time: 1;30  MANHOLE CONSTRUCTION Brick Block Concrete Poured Conrete Precast Fiberglass	
Cover Size	Manhole #: 10 - 5 ]
MH CONDITION Good Fair Poor Leaking  AREA COVER	LINE CONDITIONS A B C D E F  Material Size Depth of Invert Depth of Surchage Depth of Flow  VC - Vertified Clay  C - Concrete  PVC - Polyvinyl Chloride
Concrete Pavement Asphalt Pavement	Ci - Cast Iron AC - Asbestos Cement
Gravel	Potential For Inflow Drainage Area =
Sidewalk Soil Grass Trees	In Ditch In Pond Area In Flood Area Cover Opening 1 2 3 4 Possible Head Size
MH DEFECTS Line Cracks	Infiltration: Estimated Rate (GPM) =
Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom	High Medium Low
Broken Frame Broken Cover Clogged with Debris	SUGGESTED REHAB:
Roots Present Visible Infiltration Visible Inflow	
SOIL CONDITIONS  Dry	
Moist Wet Saturated	Estimated Cost = \$

	MANHOLE S	UKVE	Y			22,719
Manhole No: Halem - Area: Crew: Date: 3/30/30/6 Time: 9'.2 6  MANHOLE CONSTRUCTION Brick Block Concrete Poured Concrete Precast Fiberglass Cover Size			anhole #:	Hou	len -	
(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)						
MH CONDITION	LINE CONDITIONS	A B	С	D	E	F
Good	Material					
Fair	Size  Depth of Invert	5/1/7	+	<del> </del> -		
Foor Leaking	Depth of Surchage	1		<del>                                     </del>		
Leaning	Depth of Flow					
AREA COVER	VC - Vertified Clay	- Concrete		PVC - F	olyvinyi (	Chloride
Concrete Pavement	CI - Cast Iron A	C - Asbestos Ce	ment			
Asphalt Pavement		Decision 4				
Gravel	Potential For Inflow	Drainage Are	<u> </u>			<del></del> -
Sidewalk	In Ditch	Cover Open	na 1	2	3	4
Soil	In Pond Area	Possible Hea		1	1	<del>                                     </del>
Grass Trees	In Flood Area	Size				
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		<u> </u>				
MH DEFECTS	Infiltration:	Estimated Ra	ite (GPM)	 2 		
Line Cracks	ne.		I EAU DE	ESCRIPT	ion.	···
Circle Cracks	High Medium		LEAN U	_oordr I	.VIV	
Broken Walls Broken Pipe Entrance	Low	<del>                                     </del>	<del></del>	<del></del>		
Broken Pipe Envance				<del></del>		
Broken Frame	SUGGESTED REHAB:					
Broken Cover						
Clogged with Debris			······································			
Roots Present		<del>,</del>				<del></del>
Visible Infiltration			<del></del>		<del></del>	<del></del>
Visible Inflow	J					
SOIL CONDITIONS	1	<del>,</del>				
NDry	1					
Moist						sector in the sector of
Wet						
Saturated	Estimated Cost = \$					

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	MANHOLE SURVEY
CITY OF:	N N
Magnalia	│ <del>┃</del> <del>┃┃┃</del>
many races	╵ <del>╠┩╍╞╺┧╍╽╌╏╸╏┈╏╸</del> ┧╶┃╏
Manhole No: 10 - 8_3	╷ <del>╠╌┧╌┨┈┨┈╏┈╏┈╏┈</del> ┨╏╵
Area:	
Crew:	
Date:	
Time:	
MANHOLE CONSTRUCTION	
Brick	<del>                                   </del>
Block	<del>                                   </del>
Concrete Poured	┃┞ <del>╌┟╌╂┈┧┈╏┈╏┈┩┈╏┈</del> ┦┃
Conrete Precast	┃┞ <del>╌╏╌╏╌╏┈╏┈╬┈╬┈╬┈</del> ┼┈╃
Fiberglass Cover Size 93/12	Manhole #: 10 - 93
Section 1997 Section 1997 Section 1997 Section 1997	
MH CONDITION	LINE CONDITIONS A B C D E F
Good	Material
X Fair	Size
Poor	Depth of Invert
Leaking	Depth of Surchage
	Depth of Flow
AREA COVER	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride
Concrete Pavement	CI - Cast Iron AC - Asbestos Cement
Asphalt Pavement	
Gravel	Potential For Inflow Drainage Area =
Sidewalk	
Soil	In Ditch Cover Opening 1 2 3 4
Grass	In Pond Area Possible Head
Trees	In Flood Area Size
THE STEPASTA	Infiltration: Estimated Rate (GPM) =
MH DEFECTS Line Cracks	Infiltration: Estimated Rate (GPM) =
Line Cracks Circle Cracks	High LEAK DESCRIPTION
Broken Walls	Medium EESAY SESSYAL TISTY
Broken Walls Broken Pipe Entrance	Low
Broken Bottom	
Broken Frame	SUGGESTED REHAB:
Broken Cover	
Clogged with Debris	
Roots Present	
Visible Infiltration	
Visible Inflow	
SOIL CONDITIONS	
Dry	
Moist	
Wet	
Saturated	Estimated Cost = \$

N	MANHOLE SI	URVEY	<b>/</b>			
CITY OF:	la la	N				
Nyomala						
11 47 CATILATION	<del>┠┖┪╌╏┈╏┈╏┈╏┈</del>					
Manhole No: /p-/00	<del> </del>	<del>-   -  </del>     '				
Area: Emission						7000
Crew:			_			
Date: 3/3/12016					1	
Time: 08:57			1		}	1
			•	\ t \		8000
MANHOLE CONSTRUCTION				7		
X Brick				1		
Block				ŧ		
Concrete Poured						
Conrete Precast						
Fiberglass 9 7 / / 9						
Cover Size 23//2		Mar	hole #:	10-10	10 E.	merson
X75872						
MH CONDITION	LINE CONDITIONS	AB	С	D	E	F
Good	Material	0/1				
X Fair	Size	0 .0				
Poor	Depth of Invert	5/1/				
Leaking	Depth of Surchage					
	Depth of Flow					
AREA COVER	VC - Vertified Clay C -	Concrete		PVC - P	olyvinyi (	Chloride
Concrete Pavement	CI - Cast Iron AC	- Asbestos Ceme	ent			
Asphalt Pavement						
Gravel	Potential For Inflow	Drainage Area =	:			
Sidewalk						
Soil	In Ditch	<b>Cover Opening</b>	1	2	3	4
Grass	In Pond Area	Possible Head				
Trees	In Flood Area	Size				
MH DEFECTS	Infiltration:	Estimated Rate	(GPM) =			
Line Cracks	10 27 -					
Circle Cracks	High	L	EAK DES	SCRIPTI	NO	<del>-</del>
Broken Walls	Medium	<del></del>	<del></del>			<del></del>
Broken Pipe Entrance	Low	4.6.5	**************************************	<del> </del>	<del></del>	<del></del>
Broken Bottom Broken Frame	SUGGESTED REHAB:				<del></del>	
Broken Cover	GUJGEJIED NETAD.	प्रमानिक क्रिका प्राप्त क्रिका है जा उस विकास का का अपने किया है जा उस विकास का का का अपने किया है जा उस विकास				
Ciogged with Debris						
Roots Present		<del> </del>			<del></del>	<del>-</del>
Visible Infiltration		<del></del>	<del></del>	<del></del>		<del></del>
Visible Inflow						<del></del>
And the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t						
SOIL CONDITIONS			-			
Dry		·		• • • • • • • • • • • • • • • • • • • •		
Moist		<del></del>			<del></del>	<del></del>
Wet	And the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s					
Saturated	Estimated Cost = \$	* * * * * * * * * * * * * * * * * * * *	***			
	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	على المستوى والمستوى المستوى المستوى المستوى والمستوى والمستوى والمستوى والمستوى والمستوى والمستوى				

	MANHOLE S	URVE	Υ			
CITY OF:		N				76
Magnalia				1		
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Manhole No: 10-98 Area:	<del>┃ ├──╁──╁──╁</del> ── <del>┟</del> ─	╂╌┦				
Crew:	<del>▋▐╌╂╌╂╌╂╌╂╍╂</del> ╍	╂╼╂╼┤┃				
Date: 4/1/20 /b	┨ <del>┞┈╂┈╏┈╁┈╁┈╁┈</del>	╂╼╂╼┥╏		•	1	
Time:			(		厂	
MANHOLE CONSTRUCTION	·	┸╌┼╌┤┃				
Brick		<del>                                     </del>		30	BESTON	
Block	┋ <del>┞╼┋╼╏╸╏╶╏</del> ╼╂╼╂╾	<del>     </del>		<b>7</b> 9	N CZ	
Concrete Poured	1	╂╍╂╍┤╽		•	11/3	
Conrete Precast	▋▐ <del>┈┠┈╏┈╏┈╽</del>	<del>                                     </del>			15	-
Fiberglass		++-			1	
Cover Size 23//2		M	anhole #:	10-	78	
A CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR						
MH CONDITION	LINE CONDITIONS	I A I B	T C	D	Ē	F
Good	Material Material		+ -			
Fair	Size	100	<u> </u>			
Poor	Depth of Invert	51511				
Leaking	Depth of Surchage		1	<del></del>		
	Depth of Flow		<b></b>			
AREA COVER	VC - Vertified Clay C	- Concrete	(	PVC - P	olyvinyi C	hloride
Concrete Pavement	CI - Cast Iron A	C - Asbestos Cer	nent	<del></del>		
Aspinalt Pavement						
Gravel	Potential For Inflow	Drainage Area	=			
Sidewalk						
Soil	In Ditch	Cover Openin		2	3	4
Grass	In Pond Area	Possible Head				
Treas	In Flood Area	Size	<u> </u>	<u> </u>		
		2.0 12.		*******	14	
MH DEFECTS Line Cracks	Infiliration:	Estimated Rat	e (GPM) =			·
Circle Cracks	High		LEAK DE	SCRIPTI	ON	
Broken 'Walls	Medium	<del></del>		00141 11		<del></del>
Broken Pipe Entrance	Low				<del></del>	
Breken Bottom		A		<del></del>		
Broken Frame	SUGGESTED REHAB:	· · · · · · · · · · · · · · · · · · ·				
Broken Cover						
Cleaged with Debris						
Koots Present						
X visible infiltration			-			
Visible Inflow						
SOIL CONDITIONS	7	<del></del>				<del></del>
XDrv					<del></del>	
Moist						<del></del>
Wet	The second state of the second				10	
Saturated	Esumaied Cost = \$	<del> </del>				<del></del>
Commission of Control of Control						

	MANHOLE S	SURVEY
CITY OF:	N	IN IN
Manhole No: <u>ター</u> み Area: Crew: Date: <u>愛ろがりの</u> Time: <i>で</i> g ′ ペゲゲ		
MANHOLE CONSTRUCTION  Brick Block Concrete Poured Conrete Precast Fiberglass Cover Size		Manhole #: 2 - 2 2
MH CONDITION Good Fair	LINE CONDITIONS  Material Size	A B C D E F
Poor Leaking  AREA COVER	Depth of Invert Depth of Surchage Depth of Flow VC - Vertified Clay C	- Concrete PVC - Polyvinyl Chloric
Concrete Pavement Asphalt Pavement Gravel	***************************************	C - Asbestos Cement  Drainage Area =
Sidewalk Soil Grass Trees	In Ditch In Pond Area In Flood Area	Cover Opening 1 2 3 4 Possible Head Size
MH DEFECTS Line Cracks	Infiltration:	Estimated Rate (GPM) =
Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom	High Medium Low	LEAK DESCRIPTION
Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Inflow	SUGGESTED REHAB:	
SOIL CONDITIONS  Dry  Moist		
Wet Saturated	Estimated Cost = \$	

	MANHOLE S	URVE	<b>/</b>			
CITY OF:	N	IN		-		
<del></del>		<del>   </del>     ^				
Manhole No: 10 ~ 122 2						STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE STORE
Area:						
Crew:						
Date: 5/2//2010 Time: 6935					1_	>
Time: 0925			(		T	
MANHOLE CONSTRUCTION	<del></del>			7		
Brick				1		
Block				1		
Concrete Poured		<del>                                     </del>				
Conrete Precast						3,000
Fiberglass				-		_
Cover Size		Mar	hole #:	100-	1228	5
			*	<del>/ 14 /</del> 1		<u> </u>
MH CONDITION	LINE CONDITIONS	A B	С	D	E	F
Good	Material	Plu				
Fair	Size	0				
Poor		3-9				
Leaking	Depth of Surchage					
	Depth of Flow	<u> </u>				
AREA COVER		Concrete	1	PVC - P	olyvinyl C	hloride
Concrete Pavement	CI - Gest fron AC	- Asbestos Ceme	ent			
Asphalt Pavement						
Gravel	Potential For Inflow	Drainage Area =	:			
Sidewalk						
Soil	In Ditch	<b>Cover Opening</b>	1	2	3	4
Grass	In Pond Area	Possible Head				
Trees	In Frood Area	Size				
MH DEFECTS	Infiltration:	Estimated Rate	(GPM) =		<del> </del>	
Line Cracks	minibezoon.	Esametes reac	(CI IVI)			
Circle Cracks	High		EAK DES	CRIPTI	ON	
Broken Walls	Medium					
Broken Pipe Entrance	Low					
Broken Bottom			<del></del>	304	•	
Broken Frame	SUGGESTED REHAB:				- , .	
Broken Cover		<del></del>	<del></del>			
Clogged with Debris		<del></del>				
Roots Present						
Visible Infiltration		<del></del>				
Visible Inflow						
SOIL CONDITIONS		<del></del>				
_ 4Dry						
Moist		***************************************	*	-19 ·11		Total at the second
Wet						
Saturated	Estimated Cost = \$	· · · · · · · · · · · · · · · · · · ·				

N	MANHOLE SURVEY
CITY OF:	
Manhole No: 8-20	
Area: Crew:	
Date: 5/20/2016	
Time: /;/5	
MANHOLE CONSTRUCTION	
Brick	<del>                                   </del>
Block Concrete Poured	┆ <del>┝╌┧╌╂╌┨╶┨╶┨╌┨╼┨</del> ╌┨
Conrete Precast	┆ <del>┞╌┨╌╏┈╏┈╏╸╏┈╏┈╏</del> ┈╏
Fiberglass	
Cover Size	Manhole #: 8-26
L	
MH CONDITION	LINE CONDITIONS A B C D E F
✓ Good	Material
Fair	Size
Poor	Depth of Invert
Leaking	Depth of Surchage  Depth of Flow
AREA COVER	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride
Concrete Pavement	CI - Cast Iron AC - Asbestos Cement
Asphalt Pavement	
Gravel	Potential For Inflow Drainage Area =
Sidewalk	
Soil	In Ditch Cover Opening 1 2 3 4
Grass	In Pond Area Possible Head
	In Flood Area Size
MH DEFECTS	Infiltration: Estimated Rate (GPM) =
Line Cracks	
Circle Cracks	High LEAK DESCRIPTION
Broken Walls	Medium
Broken Pipe Entrance	Low
Broken Bottom Broken Frame	SUGGESTED REHAB:
Broken Cover	OCOCLOTED NELSO.
Clogged with Debris	
Roots Present	
Visible Infiltration	
Visible Inflow	
OOII CONDITIONS	,
SOIL CONDITIONS 'XDry	
Moist	
Wet	
Saturated	Estimated Cost = \$

	MANHOLE SURVEY
CITY OF:	N N
Manhole No: 18-7)	
Area:	
Crew:	
Date: 5-36-30/0 Time: 209	<del>                                      </del>
Time. do 7	
MANHOLE CONSTRUCTION	
Brick	
Block	
Concrete Poured	
Conrete Precast	
Fiberglass Cover Size	Herbola # 1 40 7 7
Cover Size	Manhole #: 10 - 7 ]
MH CONDITION	LINE CONDITIONS A B C D E F
Good	Material
Fair Poor	Size Depth of Invert
Leaking	Depth of Surchage
Learning	Depth of Flow
AREA COVER	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride
Concrete Pavement	CI - Cast Iron AC - Asbestos Cement
X Asphalt Pavement	
Gravel	Potential For Inflow Drainage Area =
Sidewalk	
Soil	In Ditch Cover Opening 1 2 3 4
Grass	In Pond Area Possible Head
I rees	In Flood Area Size
MH DEFECTS	Infiltration: Estimated Rate (GPM) =
Line Cracks	initiation.
Circle Cracks	High LEAK DESCRIPTION
Broken Walls	Medium
Broken Pipe Entrance	Low
Broken Bottom	OUGGEOTED DELIAD.
Broken Frame	SUGGESTED REHAB:
Broken Cover Clogged with Debris	
Roots Present	
Visible Infiltration	
Visible Inflow	
SOIL CONDITIONS	
<b>X</b> Dry	
Section 2	
Moist Wet	

	N	MANHOLE S	URVEY
	CITY OF:	N	N N
	Manhole No: 1-55 Area: Crew: Date: 5/3//2016 Time: 1:45		
	MANHOLE CONSTRUCTION    Brick     Block     Concrete Poured     Conrete Precast     Fiberglass		
	Cover Size		Manhole # 1-5-5
	MH CONDITION Good  Feir	LINE CONDITIONS  Material  Size	A B C D E F
	Pocr Leaking	Depth of Invert  Depth of Surchage  Depth of Flow	8'9"
	AREA COVER Concrete Pavement Asphalt Pavement	VC - Vertified Clay C	- Concrete PVC - Polyvinyl Chloride - Asbestos Cement
ć	Gravel	Potential For Inflow	Drainage Area =
Physical	Sidewalk Soil Grass Trees	in Ditch in Pond Area in Flood Area	Cover Opening 1 2 3 4 Possible Head Size
	MH DEFECTS	Infiltration:	Estimated Rate (GPM) =
·	Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom	High Medium Low	LEAK DESCRIPTION
e e e e e e e e e e e e e e e e e e e	Broken Frame Broken Cover Clogged with Debris	SUGGESTED REHAB:	
	Roois Present Visible Inflication Visible Inflow		
	SOIL CONDITIONS  Dry  Moist		
	Wet Saturated	Estimated Cost = \$	4

	MANHOLE SURV	/EY
CITY OF:	N	N
Manhole No: J-40 Area: Crew: Date: 9: 15 Time: 7/3/13016		
MANHOLE CONSTRUCTION  Brick Block Concrete Poured Conrete Precast Fiberglass Cover Size		
Cover Size		Manhole #.   j-K/O
MH CONDITION	LINE CONDITIONS A	B C D E F
Feir	Material , // Size: Depth of Invert	7
Leaking	Depith of Surchage Depith of Flow	
AREA COVER	VC - Vertified Clay C - Concrete	PVC - Polyvinyl Chloride
Concrete Pavement	CI - Cast Iron AC - Asbesto	c Cament
n XIAsphalt Pavement		o Octivers
Asphalt Pavement Gravel	Potential For Inflow Drainage	
Gravel Sidewalk		Area =
Gravel Sidewalk Soil	in Ditch Cover O	Area = pening 1 2 3 4
Gravel Sidewalk		Area = pening 1 2 3 4
Gravel Sidewalk Soil Grass Trees	In Ditch Cover O In Pond Area Possible In Flood Area Size	Area = pening 1 2 3 4 Head
Gravel Sidewalk Soil Grass	In Ditch Cover O In Pond Area Possible In Flood Area Size	Area = pening 1 2 3 4
Gravel Sidewalk Soil Grass Trees MH DEFECTS Line Cracks Circle Cracks	In Ditch In Pond Area In Flood Area Size Inflication: Estimate	Area = pening 1 2 3 4 Head
Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broker: Walls	In Ditch In Pond Area In Flood Area Infiritation: Estimate Figh Medium	Area = pening 1 2 3 4 Head
Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Cincle Cracks Broken Walls Broken Pipe Entrance	In Ditch In Pond Area In Flood Area Size Inflication: Estimate	Area = pening 1 2 3 4 Head
Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Gracks Broken: Walls	In Ditch In Pond Area In Flood Area Infiritation: Estimate Figh Medium	Area = pening 1 2 3 4 Head
Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover	In Ditch In Pond Area In Flood Area Size Inflication: Estimate Ingo Medium Low	Area = pening 1 2 3 4 Head
Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris	In Ditch In Fond Area In Flood Area Size Inflication: Estimate Ingo Medium Low	Area = pening 1 2 3 4 Head
Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clagged with Debris Roots Present	In Ditch In Fond Area In Flood Area Size Inflication: Estimate Ingo Medium Low	Area = pening 1 2 3 4 Head
Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infilitation	In Ditch In Fond Area In Flood Area Size Inflication: Estimate Ingo Medium Low	Area = pening 1 2 3 4 Head
Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clagged with Debris Roots Present	In Ditch In Fond Area In Flood Area Size Inflication: Estimate Ingo Medium Low	Area = pening 1 2 3 4 Head
Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Circle Cracks Broken: Walls Broken: Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infilitation	In Ditch In Fond Area In Flood Area Size Inflication: Estimate Ingo Medium Low	Area = pening 1 2 3 4 Head
Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Frame Scoken Cover Clogged with Debris Roots Present Visible Inflict tion Visible Inflict Dry	In Ditch In Fond Area In Flood Area Size Inflication: Estimate Ingo Medium Low	Area = pening 1 2 3 4 Head
Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Inflictation Visible Inflictation Visible Inflictation Visible Inflictation Visible Inflictation Visible Inflictation Visible Inflictation Visible Inflictation	In Ditch In Fond Area In Flood Area Size Inflication: Estimate Ingo Medium Low	Area = pening 1 2 3 4 Head
Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Inflict tion Visible Inflict SOIL CONDITIONS Dry	In Ditch In Fond Area In Flood Area Size Inflication: Estimate Ingo Medium Low	Area = pening 1 2 3 4 Head

	MANHOLE SURVEY
Manhole No: _/~3/H Area: Crew: Date: _5/3//30/6 Time: 27/0  MANHOLE CONSTRUCTION Brick Block Concrete Poured Conrete Precast Fiberglass Cover Size	Manhole #: /- 3 A
MH CONDITION Good Feir Poor Leaking  AREA COVER Concrete Pavement Asphalt Pavement	LINE CONDITIONS A B C D E F  Meterial Size: Depith of Invert Depith of Surchage Depith of Flow  VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride CT - Cast Iron AC - Asbestos Cement
Gravel Sidewalk Soil Grass	Potential For Inflow Drainage Area =  Cover Opening 1 2 3 4  In Pond Area Possible Head
MH DEFECTS Line Cracks Circle Gracks	In Floor Area  Size  Fig. 1  LEAK DESCRIPTION
Eroken Walls Broken Pipe Entrance Broken Bettom Proken Frame Scoken Cover	Medium Low SU GESTED REHAB:
Clouged with Debris Roots Present Visible Inflit ation Visible Inflow SOIL CONDITIONS	
✓ Dry Moist  Wet  Schurated	Est mated Cost = \$

	IANHOLE SURVEY	
CITY OF:	N N	
Manhole No: /- // Area: Crew:		
Date: 5/3//30/6		
MANHOLE CONSTRUCTION Brick Block		
Concrete Poured Conrete Precast Fiberglass Cover Size		
	Manhole #: ] - L/	
MH CONDITION	Meterial - 0//	F
Feir Poor Lessing	Der th of Invert  Der th of Su chage	
AREA COVER	Der in of Flow  (VC - Vertified Chay C - Concrete PVC - Polyviny) Chlor	ride
		1100
Concrete Pavement Asphalt Pavement	C! Cast from AC - Asbestos Cement	
Concrete Pavement Asphalt Pavement Gravei Sidewalk	C! Cast from AC - Asbestos Cement  Potential For Inflow Drainage Area =	
Concrete Pavement Asphalt Pavement Gravei Sideweik Soil Grass	C! Cast from AC - Asbestos Cement	4
Concrete Pavement Asphalt Pavement Gravei Sideweik Soil Grass Trees	C! Cast Iron AC - Asbestos Cement  Potential For Inflow Drainage Area =  Cover Opening 1 2 3  In Pond Area Possible Head	
Concrete Pavement Asphalt Pavement Gravei Sideweik Soil Grass Trees MH DEFECTS Line Gracks	C! Cast from AC - Asbestos Cement  Potential For Inflow Drainage Area =  Cover Opening 1 2 3     In Fond Area Possible Head     In Flood Area Size     In Flood Area Size     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area     In Flood Area	
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Concrete Pavement Asphalt Pavement Gravei Sideweik Soil Grass Trees  MH DEFECTS Line Cracks Chole Grades Broken Walls Broken Pipe Entrance Broken Bottom Lineken Frame Socken Cover	C: Cast fron AC - Asbestos Cement  Potential For Inflow Drainage Area =  Cover Opening 1 2 3   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head	
Concrete Pavement Asphalt Pavement Gravel Sidewolk Soil Grass Trees  MH DEFECTS Line Cracks Circle Gracks Exoken Walls Stoiren Pipe Entrance Stoken Sottom Circles Frame Graken Cover Glogged with Debris Licols Present	C! Cast from AC - Asbestos Cement  Potential For Inflow Drainage Area =  Cover Opening 1 2 3   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head	
Concrete Pavement Asphalt Pavement Gravei Sidewalk Soil Grass Trass Trass Trass Chale Gracks Chale Gracks Broken Walls Stoken Pipe Entrance Broken Sodom Linken Frame Graken Cover Glögged with Debris	C! Cast from AC - Asbestos Cement  Potential For Inflow Drainage Area =  Cover Opening 1 2 3   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head	
Concrete Pavement Asphalt Pavement Gravei Sideweik Soil Grass Trees  MH DEFECTS Line Cracks Chole Gracks Chole Gracks Elsoken Walls Broken Pipe Entrance Broken Bortom Conken Frame Graken Cover Glogged with Debris Floots Present Visible Inflict align Visible Inflict align Visible Inflict	C! Cast from AC - Asbestos Cement  Potential For Inflow Drainage Area =  Cover Opening 1 2 3   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head	
Concrete Pavement Asphalt Pavement Gravei Sideweik Soil Grass Trees  MH DEFECTS Line Cracks Circle Gracks Broken Walls Broken Pipe Entrance Broken Bottom Lineken Frame Broken Cover Glagged with Debris Rocks Present Visible Inflict silon Ivisible Inflict	C! Cast from AC - Asbestos Cement  Potential For Inflow Drainage Area =  Cover Opening 1 2 3   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head   Possible Head	

	MANHOLE SURVEY
CITY OF:	
Manhole No: 8-63	
Area: Crew:	
Date: 6/3/30/8 i me: 1;3	
MANUSCLE CONSTRUCTION	
Brick Block	
Concrete Poured Concrete Precast	
Fiberglass	
Cover Size	Manhole #: 8 - 0 3
MUCONDITION	LINECONDITIONS A B C D E F
Goed	Mr. St.
<b>X</b> iFair	Size:
P∞r	Decim of Invert
Leaking	Derift of Suichage
	Der th of Flow
AREA COVER	VC - Vertifie i Ct iv C - Con crete PVC - Polyvinyl Chloride
Concrete Pavement	CL Cartici AC - Aspessos Cement
X Asphalt Pavement	The second second control or second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s
/ \Gravei	Potential For Inflow Drainage Area =
Gravei  Side veik	Potential For Inflow Drainage Area =
Sidewalk	
Side walk	Cover Opening 1 2 3 4
Sidewalk Soil Grass	Cover Opening 1 2 3 4 In Frond Area Possible Head
Side walk	Cover Opening 1 2 3 4
Sidewalk Soil Grass Troops MH DEFECTS	In Florid Area Possible: Head Size
Sidewalk Soll Grass Trees  MH DEFECTS Line Cracks Circle Gracks	Cover Opening 1 2 3 4 In Flood Area In Flood Area Size  Estimated Rate (GPM) =
Sideweik Soil Gress Troops MH DEFECTS Line Cracks Circle Cracks Broken Walls	Possible: Head In Flood Area Size  Estimated Rate (GPM) =  LEAK DESCRIPTION
Sidewelk Soll Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls Groken Pipe Entrance	Cover Opening 1 2 3 4 In Flood Area In Flood Area Size  Estimated Rate (GPM) =
Sidewalk Soll Grass Trees  MH DEFECTS Line Cracks Circle Gracks Broken Walls Broken Pipe Entrance Project Softon	Possible Head In Flood Area Size  Estimated Rate (GPM) =  LEAK DESCRIPTION
Sideweik Soil Gress Trees  MH DEFECTS Line Gracks Circle Gracks Broken Walls Groken Pipe Entrance Proken Retion	Possible: Head In Flood Area Size  Estimated Rate (GPM) =  LEAK DESCRIPTION
Sideweik Soil Gress Troos  MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Proken Roman	Possible Head In Flood Area Size  Estimated Rate (GPM) =  LEAK DESCRIPTION
Sideweik Soil Gress Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Proken Frame Frame Frame Frame Lingged with Debris	Possible Head In Flood Area Size  Estimated Rate (GPM) =  LEAK DESCRIPTION
Sideweik Soil Grass Trees  MH DEFECTS Line Cracks Circle Gracks Broken Vialls Groken Pipe Entrance Proken Retion Frame Graken Cover Lingged with Debris Kaces Present	Possible Head In Flood Area Size  Estimated Rate (GPM) =  LEAK DESCRIPTION
Sidewalk Soil Grass Troos  MH DEFECTS Line Cracks Cincle Cracks Broken Vialls Broken Pipe Entrance Proken Frame Socken Frame Socken Cover Lingged with Debris Kacas Present Visible Infiliation	Possible Head In Flood Area Size  Estimated Rate (GPM) =  LEAK DESCRIPTION
Sideweik Soil Grass Trees  MH DEFECTS Line Cracks Circle Gracks Broken Vialls Groken Pipe Entrance Proken Retion Frame Graken Cover Lingged with Debris Kaces Present	Possible Head In Flood Area Size  Estimated Rate (GPM) =  LEAK DESCRIPTION
Sidewalk Soil Grass Troos  MH DEFECTS Line Cracks Cincle Cracks Broken Vialls Broken Pipe Entrance Proken Frame Socken Frame Socken Cover Lingged with Debris Kacas Present Visible Infiliation	Possible Head In Flood Area Size  Estimated Rate (GPM) =  LEAK DESCRIPTION
Sidewalk Soil Grass Troos  MH DEFECTS Line Cracks Circle Gracks Broken Walls Broken Pipe Entrance Proken Freme Soiken Cover Lingged with Debris Roos Present Visible Infinition Visible Infinition Visible Infinition  SOIL CONDITIONS  ADD  SOIL CONDITIONS	Possible Head In Flood Area Size  Estimated Rate (GPM) =  LEAK DESCRIPTION
Sidewsik Soil Grass Troiss  MH DEFECTS Line Gracks Circle Gracks Broken Vialls Broken Pipe Entrance Proken Retion Gracks Preme Gracks Broken Pipe Entrance Proken Retion Visible Preme Visible Information Visible Present Visible Previous  SOIL COMDITIONS  Apprent	Possible Head In Flood Area Size  Estimated Rate (GPM) =  LEAK DESCRIPTION
Sideweik Soil Gress Trees  MH DEFECTS Line Cracks Line Cracks Broken Viralls Groken Pipe Entrance Proken Pipe Entrance Proken Freme Groken Cover Lingged with Debris Kacks Present Visible Pricw  SOIL CONDITIONS  Day	Possible Head In Flood Area Size  Estimated Rate (GPM) =  LEAK DESCRIPTION

	MANHOLE SURVEY
CITY OF:	
Manhole No: 1-75 Area: Crew:	
Date: 6/3/30/6	
MASSICLE CONSTRUCTION  Brick  Block	
Concrete Poured Consists Precast	
Fiberglass Cover Size	Manhole #: 1-7-5
M4 CONDITION	LINECOMENTIANS A B C D E F
Poor Poor	Size Det th of Invert Det th of Surchase
AREA COVER Concrete Pavement	De thick Flow  VC - Vertifie 1 Chay  C - Concrete  PVC - Polyvinyl Chloride  CL Confirm AC - Aspestos Cement
Asphalt Pavement Gravei Sidevnik	Potential For Inflow Drainage Area =
Grass Trees	In Fond Area Possible Head Size
MH DEFECTS	Estimated Rate (GPM) =
Circle Gracks Esoken Walle	LEAK DESCRIPTION  Medium
Broken Pipe Entrance  Broken Bosson  Gooken Frame	SU CESTED REHAB:
Zauged with Debris Roots Present	
Visible Infilt ston	
COL CONDITIONS	
Seasonted	Escriated Cost = 5

	MANHOLE SURVEY
CTTY OF:	N
Manhole No: 1-/10 Area:	
Crew: Date: 6/3/30/6 turne: 9;32	
MANUSCLE CONSTRUCTION	
Block Concrete Poured Conrete Precast	
Fiberglass Cover Size	Manhole #:   /- / (g
WITT CONDITION	UNECONETTIAS A B C D E F
X Pair	Med arial Size:    Size:   Description of Invert
Lecking	Destino Surchage
AREA COVER Concrete Pavement	C: Cart Iro: AC Aspest as Dement
Asphali Pavement Grave:	Protential For Inflow Drainage Area =
Sidewalk Tark Greek	Cover Opening 1 2 3 4
Services de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de la constitución de l	in Floor Area Size
MH DEFECTS	Estimated Rate (GPM) =
Circle Gracks Limken Walle  Zierbren Pipe Entrance	LEAK DESCRIPTION
Person Person	SU COMPOREN B.
Changed with Debris Roots Present	CONTROL OF THE PARTY AND ADDRESS OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PART
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SOL CONDITIONS	
A Chairt	
	Estimated Cost = 5

<b>N</b>	MANHOLE SURVEY
CITY OF:	N N
Manhole No: 3-26 Area: Crew: Date: 0/6/20/6 Time: 09:30	
MANHOLE CONSTRUCTION  Brick  Block  Concrete Poured  Conrete Precast  Fiberglass  Cover Size	Manhole #: 3-26
MH CONDITION	LINE CONDITIONS A B C D E F
Good AFair Poor Leaking	Material Size Spepth of Invert Depth of Surchage
AREA COVER Concrete Pavement Asphalt Pavement	Depth of Flow  VC - Vertified Clay  C - Concrete  CI - Cast Iron  AC - Asbestos Cement  PVC - Polyvinyl Chloride
Gravel Sidewalk Soil Grass	Potential For Inflow  Drainage Area =  In Ditch  In Pond Area  Possible Head  Circumstance Area = 3 4
MH DEFECTS Line Cracks	In Flood Area Size  Infiltration: Estimated Rate (GPM) =
Circle Cracks Broken Walls Broken Pipe Entrance	High LEAK DESCRIPTION  Medium Low
Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Inflow	SUGGESTED REHAB:
SOIL CONDITIONS  Dry  Moist  Wet	
Saturated	Estimated Cost = \$

	MANHOLE SURVEY
CITY OF:	N N
Manhole No: 1-3 9	<del> </del>
Area:	
Crew:	
Date: 6/6/20/60	
Time: 135 10'N	
MANHOLE CONSTRUCTION	
Brick	
Block	
Concrete Poured	
Conrete Precast	<del>┡╌╏╌╏┈╏┈╏┈╏┈╏┈</del> ╃╼┩╏
Fiberglass	
Cover Size	Manhole #: / 3 %
1.11	
MH CONDITION	LINE CONDITIONS A B C D E F
Good	Material .
√ Fair	Size
Peer	Depth of Invert - 6/6/6"
Leaking	Depth of Surchage
	Depth of Flow
AREA COVER 7	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride
Concrete Pavement	CI - Cast Iron AC - Asbestos Cement
X Asphalt Pavement	
Gravel	Potential For Inflow Drainage Area =
Sidewalk	
Soil	In Ditch Cover Opening 1 2 3 4
Grass	In Pond Area Possible Head
Trees	In Flood Area Size
MIRETARA	Infiltration: Estimated Rate (GPM) =
MH DEFECTS	Infiltration: Estimated Rate (GPM) =
Line Cracks Circle Cracks	High LEAK DESCRIPTION
Broken Walls	Medium LEAR DESCRIPTION
Broken Pipe Entrance	Low
Broken Bottom	
Broken Frame	SUGGESTED REHAB:
Broken Cover	
Clogged with Debris	
Roots Present	
Visible Infiltration	
Visible Inflow	
SOIL CONDITIONS	
Dry	
Dry Moist	
Dry	Estimated Cost = \$

	MANHOLE SURVEY
CITY OF:	IN IN
<del></del>	
Manhole No: 1/ - 10	
Area:	
Crew:	
Date: 6/6/2016 Time: 1; 25	
MANHOLE CONSTRUCTION	
Brick	Senvice
Block	
Concrete Poured	
Conrete Precast	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Fiberglass	
Cover Size	Manhole #:   H-   D
<u> </u>	
MH CONDITION	LINE CONDITIONS A B C D E F
Good	Material Size
Fair	
Poor	Depth of Invert
Leaking	Depth of Surchage
4554 00V5D	Depth of Flow  VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride
AREA COVER Concrete Pavement	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride CI - Cast Iron AC - Asbestos Cement
Asphalt Pavement	CI - Cast II oil AC - Asues as Cellett
Gravel	Potential For Inflow Drainage Area =
Sidewalk	Former Tot Habby
Soil	In Ditch Cover Opening 1 2 3 4
Grass	In Pond Area Possible Head
Trees	In Flood Area Size
MH DEFECTS	Infiltration: Estimated Rate (GPM) =
Line Cracks	High LEAK DESCRIPTION
Circle Cracks Broken Walls	High LEAK DESCRIPTION  Medium
Broken Pipe Entrance	Low
Broken Bottom	
Broken Frame	SUGGESTED REHAB:
Broken Cover	
Clogged with Debris	
Roots Present	
Visible Infiltration	
Visible Infiltration Visible Inflow	
Visible Inflow	
Visible Inflow  SOIL CONDITIONS	
Visible Inflow  SOIL CONDITIONS Dry	
Visible Inflow  SOIL CONDITIONS	

N	MANHOLE SURVEY
CITY OF:	N N
	<del>▐<del></del><del>▐</del><del>▐▗▐▗▐▗▐▗▐▄</del>▊▄▊▄▋▄▊</del>
Manhole No: 11-70	▎ <del>▐▀▐▀▜▀▋▀▋▀▊▀▊▀▊▀</del> ▊▀▊▀
Area:	
Crew:	
Date: 6/6/20/6	
Time:	
MANHOLE CONSTRUCTION	
Brick	
Block	
Concrete Poured	
Conrete Precast	
Fiberglass	
Cover Size	Manhole #: W - 70
MH CONDITION	LINE CONDITIONS A B C D E F
Good	Material PI
Fair	Size
Poor	Depth of Invert
Leaking	Depth of Surchage
:	Depth of Flow
AREA COVER	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride
Concrete Pavement	CI - Cast Iron AC - Asbestos Cement
Asphalt Pavement	
Gravel	Potential For Inflow Drainage Area =
Sidewalk	
Soil	In Ditch Cover Opening 1 2 3 4
Grass	In Pond Area Possible Head
Trees	In Flood Area Size
<u> </u>	
MH DEFECTS	Infiltration: Estimated Rate (GPM) =
Line Cracks	
Circle Cracks	High LEAK DESCRIPTION
Broken Walls	Medium
Broken Pipe Entrance	Low
Broken Bottom	
Broken Frame	SUGGESTED REHAB:
Broken Cover	1 Ping A J
Clogged with Debris	fiff set king of List
Roots Present	- 1//
Visible Infiltration	
Visible Inflow	I
2011 001101110110	
SOIL CONDITIONS	
→ Dry	
Moist	
Wet	Estimated Cost = \$
Saturated	Estimated Cost = \$

	MANHOLE SURVEY
CITY OF:	N N
	Salle Ce
Manhole No: ルー33	
Area:	
Crew:	
	<del>│┝╋╋╋</del> ┪ <del>╏</del>
Date: 6/8/80 B	
MANHOLE CONSTRUCTION	
Brick	
Block	│ <del>├─<del>┃</del>╾┩╾┩╌┩╌┩╌┩╌┩</del> ╴┫
Concrete Poured	│ <del>│─<del>┃</del> <del>┃</del> <del>┃</del> <del>┃</del> <del>┃</del> <del>┃</del> </del>
Conrete Precast	▎ <del>┡╸╂╼┠╼╂┈╂╸╏╼╏╼╬╸╏╼</del> ┨╏
Fiberglass Cover Size	Herbert H. 1977
Cover Size	Manhole #: 以 = 3 3
MH CONDITION	LINE CONDITIONS A B C D E F
Good	Material Size
Fair	G.E
Poor	Depth of Invert
Leaking	Depth of Surchage
1051.001.50	Depth of Flow
AREA COVER	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride
Concrete Pavement	CI - Cast Iron AC - Asbestos Cement
Asphalt Pavement	Detection Fine Leffern
Gravel Sidewalk	Potential For Inflow Drainage Area =
Soil	In Ditch Cover Opening 1 2 3 4
<b>i</b>	
Grass Trees	In Pond Area Possible Head In Flood Area Size
litees	In Flood Area
MH DEFECTS	Infiltration: Estimated Rate (GPM) =
Line Cracks	
Circle Cracks	High LEAK DESCRIPTION
Broken Walls	Medium
Broken Pipe Entrance	Low
Broken Bottom	
Broken Frame	SUGGESTED REHAB:
Broken Cover	
Ciogged with Debris	
Roots Present	
Visible Infiltration	
Visible Inflow	l <b></b>
SOIL CONDITIONS	
XDry	
Moist	
Wet	
Saturated	Estimated Cost = \$
) Setuidibu	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s

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	MANHOLE SURVEY
CITY OF:	N N
	<del>                                    </del>
	<del>▐<del>▘</del>▎▘▍▘▍▘▍▘▍▘▍▘</del> ▗
Manhole No: 1-19	▕ <del>▝▀▐▀▋▀▋▀▋▀▊▀▊▀</del> ▋░▘▘▘▕
Area:	<del>┡╺╅╼╉╍╂╾╂╍╂╍╂╍</del> ╂╍╂ <del>╸</del>
Crew:	
Date: 6/8/2016	
Time: 1:23	
MANHOLE CONSTRUCTION	
Brick	
Block	
Concrete Poured	
Conrete Precast	
Fiberglass	
Cover Size	Manhole #: / ~ / 9
14	
MH CONDITION	LINE CONDITIONS A B C D E F
Good	Material - 24
Fair	Size
Poor	Depth of Invert - (6/1)
Leaking	Depth of Surchage
<u> </u>	Depth of Flow
AREA COVER	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride
Concrete Pavement	CI - Cast Iron AC - Asbestos Cement
Asphalt Pavement	
Gravel	Potential For Inflow Drainage Area =
Sidewalk	
Soil	In Ditch Cover Opening 1 2 3 4 In Pond Area Possible Head
Grass	
Trees	In Flood Area Size
MH DEFECTS	Infiltration: Estimated Rate (GPM) =
Line Cracks	
Circle Cracks	High LEAK DESCRIPTION
Broken Walls	Medium
Broken Pipe Entrance	Low
Broken Bottom	OUGOCOTED DELIAD.
Broken Frame	SUGGESTED REHAB:
Broken Cover	
Ciogged with Debris	
Roots Present	
Visible Infiltration Visible Inflow	
Aiside Illion	
SOIL CONDITIONS	
-iOry	
Moist	
Wet	
10.00	Estimated Cost = \$

	MANHOLE SU	JRVEY
CITY OF:	N	N
Manhole No: /- July Area: Crew: Date: 6/8/20/6 Time: 9/18		
MANHOLE CONSTRUCTION  Brick  Block  Concrete Poured  Conrete Precast  Fiberglass		
Cover Size		Manhole #:  -
MH CONDITION Good Fair Poor Leaking	LINE CONDITIONS  Material Size Depth of Invert Depth of Surchage	A B C D E F
AREA COVER Concrete Pavement Asphalt Pavement Gravel	CI - Cast Iron AC	Concrete PVC - Polyvinyl Chloride - Asbestos Cement  Drainage Area =
Sidewalk Soil Grass Trees		Cover Opening 1 2 3 4 Possible Head Size
MH DEFECTS  Line Cracks  Circle Cracks  Broken Walls  Broken Pipe Entrance	Infilitration:  High Medium Low	Estimated Rate (GPM) =  LEAK DESCRIPTION
Broken Bottom Broken Frame Broken Cover Clogged with Debris Foots Present Visible Inflitration Visible Infliow	SUGGESTED REHAB:	
SOIL CONDITIONS  Dry  Moist  Wet  Saturated	Estimated Cost = \$	

	MANHOLE SURVEY
CITY OF:	N N
Area: Crew: Date: 6/9/3/16 Time: 69/50	
MANHOLE CONSTRUCTION  Brick  Block  Concrete Poured  Conrete Precast  Fiberglass	Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Service Servic
Cover Size	Manhole #: //-// 8
MH CONDITION*  Good  Fair  Poor  Leaking	LINE CONDITIONS A B C D E F  Material Size Depth of Invert Depth of Surchage
1200019	Depth of Flow
AREA COVER Concrete Pavement Asphalt Pavement	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride CI - Cast Iron AC - Asbestos Cement
Gravel	Potential For Inflow Drainage Area =
Sidewalk	
Soil Grass Trees	In Ditch Cover Opening 1 2 3 4 In Pond Area Possible Head In Flood Area Size
MH DEFECTS	Infiltration: Estimated Rate (GPM) =
Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance	High LEAK DESCRIPTION  Medium Low
Broken Bottom Broken Frame Broken Cover	SUGGESTED REHAB:
Clogged with Debris Roots Present Visible Infiltration	
Visible Inflow  SOIL CONDITIONS	
Dry Moist	
Wet	
Seturated	Estimated Cost = \$

	MANHOLE S	SURVEY
CITY OF:	N	I N
		<del>┤</del> ┤┥║ [┈]
	<del> - - - - - - -</del>	
Manhole No: 12 - N	<del>                                      </del>	<del></del>
Area:		<del>-   -   -  </del>
Crew:	- <del> - - - - - - -</del>	++
Date: 66/9/2016		
Time: 10:50		
MANHOLE CONSTRUCTION	<del></del>	++-1
X Brick	<del></del>	<del>·├·├-</del> ┤┃
Block		
Concrete Poured	<del></del>	Hotel 1
Concrete Protured Concrete Precast	<del></del>	<del>                                      </del>
Fiberglass	<del>├─├─┼─┼─</del> ┼─┼	<del>- - - </del>
Cover Size	<del>├-┼-┼-┼-</del> ┼	Host in the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last o
001GI 0/26		Manhole #: 12 - 12
1.7s		
MH CONDITION	LINE CONDITIONS	A B C D E F
Good	Material	
X Fair	Size	8"
Peer	Depth of Invert	10/9"
Leaking	Depth of Surchage	100
· <u>·</u>	Depth of Flow	
AREA COVER	VC - Vertified Clay C	- Concrete PVC - Polyvinyl Chloride
Concrete Pavement	CI - Cast Iron A	C - Asbestos Cement
Asphalt Pavement		
Gravel	Potential For Inflow	Drainage Area =
Sidewalk		
Soil	In Ditch	Cover Opening 1 2 3 4
Grass	In Pond Area	Possible Head
Trees	In Flood Area	Size
	<del>1</del>	
MH DEFECTS	Infiltration:	Estimated Rate (GPM) =
Line Cracks		
Circle Cracks	High	LEAK DESCRIPTION
Broken Walls	Medium	
Broken Pipe Entrance	Low	
Broken Bottom	<u> </u>	
Broken Frame	SUGGESTED REHAB:	
Broken Cover		
Ciogged with Debris		
Roots Present		
Visible Infiltration		
Visible Inflow		
SOIL CONDITIONS		
Y   Dry		
Dry Moist		
Y Dry	Estimated Cost = \$	

	MANHOLE SURVEY
CITY OF:	N N
Manhole No:	
MANHOLE CONSTRUCTION	
Brick Block Concrete Poured Conrete Precast Fiberglass	
Cover Size	Manhole #: 12 - 9
MH CONDITION	LINE CONDITIONS A B C D E F
Good Fair Poor Leaking	Material Size Depth of Invert Depth of Surchage
AREA COVER	Depth of Flow  VC - Vertified Clay  C - Concrete  PVC - Polyvinyl Chloride
Concrete Pavement - Asphalt Pavement	CI - Cast Iron AC - Asbestos Cement
Gravel Sidewalk	Potential For Inflow Drainage Area =
Soil Grass Trees	In Ditch Cover Opening 1 2 3 4 In Pond Area Possible Head In Flood Area Size
MH DEFECTS	In Flood Area Size  Infiltration: Estimated Rate (GPM) =
Line Cracks Circle Cracks Broken Walls	High LEAK DESCRIPTION Medium
Broken Pipe Entrance Broken Bottom Broken Frame	SUGGESTED REHAB:
Broken Cover Clogged with Debris Roots Present	
Visible Infiltration Visible Inflow	
SOIL CONDITIONS  Dry  Moist	
Wet Saturated	Estimated Cost = \$

	MANHOLE SURVEY	
Manhole No: 12-12 Area: Crew: Date: [49]2010 Time: [55]		1000
MANHOLE CONSTRUCTION  Brick  Block  Concrete Poured  Conrete Precast  Fiberglass  Cover Size	Manhole:	* 12-12
MH CONDITION Good Fair Poor	LINE CONDITIONS A B C  Material Size Depth of Invert	D E F
AREA COVER  Concrete Pavement  Asphalt Pavement	Depth of Surchage Depth of Flow  VC - Vertified Clay  C - Concrete  CI - Cast Iron  AC - Asbestos Cement	PVC - Polyvinyl Chloride
Gravel Sidewalk Soil Grass	Potential For Inflow  Drainage Area =  In Ditch  Cover Opening 1  In Pond Area  Possible Head	2 3 4
MH DEFECTS Line Cracks Circle Cracks	In Flood Area Size Infiltration: Estimated Rate (GPM High LEAK	i) = DESCRIPTION
Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame	Medium Low SUGGESTED REHAB:	
Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Inflow		
SOIL CONDITIONS Dry Moist		
Wet Saturated	Estimated Cost = \$	

	MANHOLE SURVEY
CITY OF:	N N
Manhole No: 100 Area: 5PR 19 Crew: Date: 69113016 Time: 9:10	
MANHOLE CONSTRUCTION  Brick  Block  Concrete Poured  Conrete Precast  Fiberglass	
Cover Size	Manhole # C.O. SPA
MH CONDITION Good Fair Poor Leaking	LINE CONDITIONS A B C D E F  Material Size Depth of Invert Depth of Surchage
- Cocaras	Depth of Flow
AREA COVER Concrete Pavement Asphalt Pavement	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride CI - Cast Iron AC - Asbestos Cement
Gravel Sidewalk	Potential For Inflow Drainage Area =
Soil  Grass Trees	In Ditch In Pond Area In Flood Area Cover Opening 1 2 3 4 Possible Head In Flood Area Cover Opening 1 2 3 4 Possible Head Cover Opening 1 2 3 4
MH DEFECTS	Infiltration: Estimated Rate (GPM) =
Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom	High LEAK DESCRIPTION  Medium Low
Broken Frame  Broken Cover	SUGGESTED REHAB:
Clogged with Debris Roots Present Visible Infiltration	
Visible Inflow	
SOIL CONDITIONS	
Moist	
Wet Saturated	Estimated Cost = \$

IANHOLE S	URVEY	
	Manhole #: 4	-72
Depth of Surchage Depth of Flow VC - Vertified Clay C	- Concrete PVC	E F - Polyvinyl Chloride
In Ditch In Pond Area In Flood Area	Cover Opening 1 2 Possible Head Size	3 4
infiltration:	Estimated Rate (GPM) =	
High Medium Low	LEAK DESCRIF	TION
SUGGESTED REHAB:		
	LINE CONDITIONS  Material Size Depth of Invert Depth of Surchage Depth of Flow VC - Vertified Clay CI - Cast Iron AC  Potential For Inflow  In Ditch In Pond Area In Flood Area  Infiltration:  High Medium Low	LINE CONDITIONS A B C D  Material Size Depth of Invert Depth of Surchage Depth of Flow VC - Vertified Clay C - Concrete PVC CI - Cast Iron AC - Asbestos Cement  Potential For Inflow Drainage Area =  In Ditch Cover Opening 1 2 Possible Head Size Infiltration: Estimated Rate (GPM) =  Infiltration: LEAK DESCRIF

	MANHOLE SURVEY	
CITY OF:	T N	
	┫ <del>╠╫╶┼╌┼╌┼╌┼╌┼┈┤╸</del> ┤╏╽ [╖]	
Manhole No: 8-77		
Area: Mallard		
Crew:		
Date: 6/3//30/6		
Time: [0:]		_
MANHOLE CONSTRUCTION	<b>1</b>   + + + + + + + + +     - / 2	<u>.</u>
X Brick	┫ <del>┡┪</del> ╌ <del>╏┈╏┈┩┈╏┈</del>	
Block	┨ <del>╞╌┇╌┇╌┇╌┇┈┇</del>	
Concrete Poured	<b>┃┝╌┼╌┼╌┼╌┼╌┼╌┤</b> ┃	
Conrete Precast	┇ <del>╒╌╬╌╂┈╂┈╂┈╂┈╂┈╂┈</del> ┨╏	
Fiberglass	▋ <del>▎▔▍▔▍▔▍▔▍▔▍▔▍▔</del> ▍▍	
Cover Size	Manhole #: 8-74	
MH CONDITION	LINE CONDITIONS A B C D E	F
Good	Material (//	-
Fair	Size 6 Proje 8	
Poor	Depth of Invert	
Leaking	Depth of Surchage	
· ·	Depth of Flow	
AREA COVER	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chlor	ide
Concrete Pavement	CI - Cast Iron AC - Asbestos Cement	
Asphalt Pavement Gravel	Potential For Inflow Drainage Area =	
Sidewalk	Potential For Inflow Drainage Area =	<b></b>
Soil	In Ditch Cover Opening 1 2 3	_
Grass	In Pond Area Possible Head	4
Trees	In Flood Area Size	
MH DEFECTS	Infiltration: Estimated Rate (GPM) =	
Line Cracks		
Circle Cracks	High LEAK DESCRIPTION	
Broken Walls Broken Pipe Entrance	Medium Low	
Broken Bottom		
Broken Frame	SUGGESTED REHAB:	
Broken Cover		
Clogged with Debris		
Roots Present		
Roofs Present  Visible Infiltration		
Roots Present		
Roofs Present Visible Infiltration Visible Infilow		
Roofs Present Visible Infiltration Visible Inflow  SOIL CONDITIONS		
Roofs Present Visible Infiltration Visible Inflow  SOIL CONDITIONS  Dry		
Roofs Present Visible Infiltration Visible Inflow  SOIL CONDITIONS  Dry Moist		
Roofs Present Visible Infiltration Visible Inflow  SOIL CONDITIONS  Dry	Estimated Cost = \$	

	MANHOLE SURVEY
CITY OF:	i N
	┫╞ <del>╬╬╌┼╌┼┈┼┈┼┈┼┈┼┈</del> ┤╏╽ [╲]
	┛┟ <del>┞╌╏╌╏┈╏┈╏┈╏┈╏┈</del> ╏
Manhole No: 8/-76	┓┟ <del>╌╏╌╏┈╏┈╏┈╏┈╏┈</del> ┩┈╏
Area:	1
Crewo	
Date: 13/1/3816	Seplice
Time: 10:46	┫┝ <del>╌┞╌┩╌┡╸┠╶╂╌╏┈</del> ┩┃ <b>┃</b>
14.6. 17,45	┛┝ <del>┼┼┼┼┼┼┼</del> ┼┼
MANHOLE CONSTRUCTION	ŋ├ <del>╎╎╎╎╎╎</del>
⊌Brick	┫┝ <del>╍╏╌╂╌╂┈╂┈╂┈╂┈╏┈</del> ┨
Block	┨┞ <del>╌╎╌┩╌┧╌┧╌┧┈╽┈</del> ┨
Concrete Poured	┨├ <del>╶╎═╎┈┧┈┧┈┧┈</del> ┧┈┨
Conrete Precast	▋╞ <del>╌┞┈╂┈╁┈╁┈╁┈┧┈╽</del> ┈┃
Fiberglass	╏├ <del>╌╎╌╎╌╎╌╎┈╎┈╎</del> ┈
Cover Size	
Oover Size	Manhole #: 8 - 7 k
V.M.	<del>-</del>
MH CONDITION	LINE CONDITIONS A B C D E F
Good	Material
X Fair	Size
Poor	Depth of Invert
Leaking	Depth of Surchage
	Depth of Flow
AREA COVER	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride
Concrete Pavement	CI - Cast Iron AC - Asbestos Cement
Asphalt Pavement	
Gravel	Potential For Inflow Drainage Area =
Sidewalk	
Soil	In Ditch Cover Opening 1 2 3 4
Grass	In Pond Area Possible Head
Trees	In Flood Area Size
MH DEFECTS	Infiltration: Estimated Rate (GPM) =
Line Cracks	
Circle Cracks	High LEAK DESCRIPTION
Broken Walls	Medium
Broken Pipe Entrance	Low
Broken Bottom	
Broken Frame	SUGGESTED REHAB:
Broken Cover	
Ciogged with Debris	
Roots Present	
Visible Infiltration	
Visible Inflow	
SOIL CONDITIONS	
X Dry	
Moist	
Wet	
Saturated	Estimated Cost = \$

1	MANHOLE SU	JRVEY	٠.	**************************************
CITY OF:	N	N		en en en en en en en en en en en en en e
Manhole No: 8-19 Area: Crew: Date: 6/3//30/6		#    \		NAJIT PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA PRINTENTA
Time: /: 25				)
Brick Block Concrete Poured			Seplec	TOWER MANAGEMENT AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY A
Conrete Precast   Fiberglass   Cover Size		Manho		18
i de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de l				-
MH CONDITION	LINE CONDITIONS  Material	A B	C D	E F
X Fair	Size	721-	· · ·	
Poor	Depth of Invert	12/18/1		
Leaking	Depth of Surchage	3 1V		
	Depth of Flow			
AREA COVER		concrete	PVC - P	olyvinyl Chloride
Concrete Pavement		Asbestos Cement		
Asphalt Pavement		<del></del>		· · · · · · · · · · · · · · · · ·
Gravel	Potential For Inflow	Drainage Area =	<del></del>	
Sidewalk				<del></del>
Soil	In Ditch	Cover Opening	1 2	3 4
Grass	in Pond Area	Possible Head		
Trees	In Flood Area	Size	· ·	
MH DEFECTS	Infiltration:	Estimated Rate (G	PM) =	
Line Cracks				
Circle Cracks	High		AK DESCRIPTION	ON
Broken Walls	Medium	<del></del>	<del></del>	
Broken Pipe Entrance Broken Bottom	Low		<del> </del>	
Broken Frame	SUGGESTED REHAB:		·	
Broken Cover	GOGGEGIED RELIFIE			<del></del>
Ciogged with Debris				
Roots Present		<del></del>		<del></del>
Visible Infiltration			<del></del>	<del></del>
Visible Inflow				
SOIL CONDITIONS				
<b>∑</b> Dry				
Moist				
Wet				
Saturated	Estimated Cost = \$		- A	

MANHOLE SURVEY			
CITY OF:	N		
Manhole No: 8-10 Area: Crew:			
Date: <u>\$6/3//3.8/6</u> Time: 9;/8			
MANHOLE CONSTRUCTION    Brick   Block   Concrete Poured   Conrete Precast   Fiberglass   Cover Size	Manhole #:   9 ~ /()		
	Manhole #: 8~/0		
MH CONDITION	LINE CONDITIONS A B C D E F		
Good Fair Poor Leaking	LINE CONDITIONS A B C D E F  Material Size Depth of Invert Depth of Surchage		
:	Depth of Flow		
AREA COVER Concrete Pavement Asphalt Pavement	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride CI - Cast Iron AC - Asbestos Cement		
Gravel	Potential For Inflow Drainage Area =		
Sidewalk			
Soil Grass	In Ditch Cover Opening 1 2 3 4 In Pond Area Possible Head		
Trees	In Flood Area Size		
MH DEFECTS Line Cracks	Infiltration: Estimated Rate (GPM) =		
Circle Cracks Broken Walls	High LEAK DESCRIPTION  Medium		
Broken Pipe Entrance Broken Bottom	Low		
Broken Bottom  Broken Frame	SUGGESTED REHAB:		
Broken Cover			
Ciogged with Debris			
Roots Present Visible Infiltration			
Visible Inflow			
V COLUMN DO CITATOR OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PRO	· <del> </del>		
SOIL CONDITIONS			
√ Dry			
Moist			
Wet Saturated	Estimated Cost = \$		
	Lantesta Cont - A		

	MANHOLE S	URVEY
Manhole No: //-/0 % Area: Crew: Date: 6/33/30/0 Time: / 0 / / 0  MANHOLE CONSTRUCTION X Brick Block Concrete Poured		N Sand Sand
Conrete Precast Fiberglass Cover Size		Manhole # 11-10 8
MH CONDITION Good Fair Poor Leaking	LINE CONDITIONS  Material Size Depth of Invert Depth of Surchage	A B C D E F
AREA COVER Concrete Pavement Asphalt Pavement Gravel		- Concrete PVC - Polyvinyl Chloride C - Asbestos Cement  Drainage Area =
Sidewalk Soil Grass Trees	In Ditch In Pond Area In Flood Area	Cover Opening 1 2 3 4 Possible Head Size
MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance	Infiltration:  High Medium Low	Estimated Rate (GPM) =  LEAK DESCRIPTION
Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Infilow	SUGGESTED REHAB:	
SOIL CONDITIONS  Dry  Moist  Wet  Saturated	Estimated Cost = \$	

N	MANHOLE SURVEY
CITY OF:	N N
Manhole No:	
MANHOLE CONSTRUCTION  Brick  Block  Concrete Poured  Conrete Precast  Fiberglass  Cover Size	
COVER SIZE	Manhole #: //~/0
<b>人证料</b> 。	
MH CONDITION Good Fair Poor Leaking	LINE CONDITIONS A B C D E F  Material Size Depth of Invert Depth of Surchage Depth of Flow
AREA COVER	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride
Concrete Pavement	CI - Cast Iron AC - Asbestos Cement
Asphalt Pavement	
Gravel Sidewalk	Potential For Inflow Drainage Area =
Soil	In Ditch Cover Opening 1 2 3 4
Grass	In Pond Area Possible Head
Trees	In Flood Area Size
MH DEFECTS	Infiltration: Estimated Rate (GPM) =
Line Cracks Circle Cracks	
Broken Walls	High LEAK DESCRIPTION
Broken Pipe Entrance	Medium Low
Broken Bottom	
Broken Frame	SUGGESTED REHAB:
Broken Cover	
Clogged with Debris	
Roots Present	
Visible Infiltration	
Visible Inflow	
SOIL CONDITIONS	
X Dry	
Moist	
Wet	
Saturated	Estimated Cost = \$

	MANHOLE SURVEY
CITY OF:	N IN .
	╵ <del>╏┡┪╌╏┈╏┈╏┈╏┈╏┈╏┈</del> ┤ <b>╏</b> ┞
Manhole No: 11-10-5	╻┝ <del>╵═┩╼┞╸╂╸╂╸╂╸╂╸┨</del> ┈┨╏╹
Area:	▎ <del>▎▘▞▘▞▗▎▕▘▗▎▘▍▘▍</del> ▋
Crew:	<del>│</del> ├ <del>┤</del> ┼┼┼┼┼┼┼┤┃
Date: 6/23/24/18	
Time: 18:50	
MANHOLE CONSTRUCTION	
X Brick	┃ <del>┣╶╬╌╏╌╏┈╏┈╏┈╏┈╏┈╏┈</del> ┦┈┨
Block	╽┞ <del>╌┇╌╏╶┨╌╏╌╏╾╏╸╏╸</del> ┪╏
Concrete Poured	┃ <del>┌╶┨╌┨╌╏╌╏╌╏┈╏┈┪┈╏┈</del> ┨
Conrete Precast	▎ <del>▎▝▍▘▍▝▍▝▍▘▍</del> ▘▋
Fiberglass	
Cover Size	Manhole #: 1/-/05
MH CONDITION	LINE CONDITIONS A B C D E F
Good	Material ,
Fair	Size
Poor	Depth of Invert
Leaking	Depth of Surchage
	Depth of Flow
AREA COVER	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride
Concrete Pavement	CI - Cast Iron AC - Asbestos Cement
Asphalt Pavement	
Gravel	Potential For Inflow Drainage Area =
Sidewalk	
Soil	In Ditch Cover Opening 1 2 3 4
Grass	In Pond Area Possible Head
Trees	In Flood Area Size
MH DEFECTS	Infiltration: Estimated Rate (GPM) =
Line Cracks	
Circle Cracks	High LEAK DESCRIPTION
Broken Walls	Medium
Broken Pipe Entrance	Low
Broken Bottom	
Broken Frame	SUGGESTED REHAB:
Broken Cover	
Clogged with Debris	
Roots Present	
Visible Infiltration	
Visible Inflow	
SOIL CONDITIONS	T T
→ Dry	
Moist	
	Estimated Cost = \$

MANHOLE SURVEY			
CITY OF:	N See N		
Manhole No: ]/~ 3_3 Area: Crew: Date: 1/2.3/20 //6 Time: 1:3	Service Service		
MANHOLE CONSTRUCTION Brick Block Concrete Poured Conrete Precast Fiberglass			
Cover Size	Manhole #: 17-2-3		
MH CONDITION	LINE CONDITIONS A B C D E F		
Good Fair Poor	Material Size Depth of Invert		
Leaking	Depth of Surchage		
AREA COVER	Depth of Flow  VC - Vertified Clay / C - Concrete PVC - Polyvinyl Chloride		
Concrete Pavement	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		
Asphalt Pavement	CI - Cast Iron AC - Asbestos Cement		
Gravel	Potential For Inflow Drainage Area =		
Sidewalk	Distrige Med =		
Soil	In Ditch Cover Opening 1 2 3 4		
Grass	In Pond Area Possible Head		
Trees	In Flood Area Size		
MH DEFECTS	Infiltration: Estimated Rate (GPM) =		
Line Cracks			
Circle Cracks	High LEAK DESCRIPTION		
Broken Walls	Medium		
Broken Pipe Entrance	Low		
Broken Bottom  Broken Frame	SUCCESTED DELIAD.		
Broken Cover	SUGGESTED REHAB:		
Ciogged with Debris			
Roots Present			
Visible Infiltration			
Visible Inflow			
SOIL CONDITIONS			
ХIDry			
Moist			
Wet			
Saturated	Estimated Cost = \$		

MANHOLE SURVEY			
CITY OF:	i hall I i		
		<del>           </del>	
	[┦] <del>┞┩╌╏╸</del> ╏╾╏╾		
Manhole No: //-20	╻┝ <del>╌╏╌╏╸╏╸╏╸</del>	<del>-   </del> -  '	
Area:	<del>┃┡╍╬╍╬╌╬╌</del> ╬╼	<del></del>	
Crew:	<del>┃┡╼╇╍╇</del> ╾╇ <del>╸</del>	+++1	
Date: 6/33/24 16	<del>┃┡╍╂╌╏╌╏</del> ╌╏╌		
Time: 1:4/	<del>┃┡╌╂╌╂</del> ╾ <del>╏</del> ╌╂┈╂┈	<del>                                      </del>	
	╹ <del>┡┈╂┈╂┈╏</del>	++-   \ /	
MANHOLE CONSTRUCTION	╻╞ <del>╍╏╌╏╌╏╌╏╸</del>		
<b>∠</b> Brick	<del>╏┝╼╂╼╏╸╂</del> ╌╂╼╂╼	<del>                                     </del>	
Block	<del>┃┡╍╏╌╏╌╏┈╏┈</del>	<del></del>	
Concrete Poured	<del>╽┝╌┞╌┠╌╏╼╏╌╏╸</del>	╫╫┼┼┤┃	
Conrete Precast	<del>┃┣╍╂╼╂┈╂</del> ╼╂ <del>╸</del> ╂╾	<del>                                     </del>	
Fiberglass	╽ <del>╎╌╏╌╏╌╏┈╏┈╏</del> ┈	<del>                                      </del>	
Cover Size	╽┞ <del>═╂╼╂═╁═╂═</del>	Manhole #: 1/1-20	
	<del></del>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
MH CONDITION	I INIT AAN TOTAL		
Good	LINE CONDITIONS Material	S A B C D E F	
X Fair	Material Size		
Poor	Depth of Invert		
Leaking	Depth of Surchage		
	Depth of Flow	'/	
AREA COVER	VC - Vertified Clay	0.000-1	
Concrete Pavement	Cl- Cast Iron	C - Concrete PVC - Polyvinyl Chloride	
Asphalt Pavement	CI-S CASCHOIL	AC - Asbestos Cement	
Gravel	Potential For Inflow	Drainage Area =	
Sidewalk	oresiden s de minore	Drailage Area =	
Soil	In Ditch	Cover Opening 1 2 3 4	
1 (			
Grass	In Pond Area		
Grass Trees	In Pond Area	Possible Head	
Grass Trees	In Pond Area In Flood Area		
<b></b>		Possible Head Size	
MH DEFECTS Line Cracks	In Flood Area	Possible Head	
MH DEFECTS Line Cracks Circle Cracks	In Flood Area	Possible Head Size	
MH DEFECTS Line Cracks Circle Cracks Broken Walls	In Flood Area	Possible Head Size  Estimated Rate (GPM) =	
MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance	In Flood Area Infiltration: High	Possible Head Size  Estimated Rate (GPM) =	
MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom	In Flood Area Infiltration: High Medium Low	Possible Head Size  Estimated Rate (GPM) =  LEAK DESCRIPTION	
MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame	In Flood Area Infiltration: High Medium	Possible Head Size  Estimated Rate (GPM) =  LEAK DESCRIPTION	
MH DEFECTS  Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover	In Flood Area Infiltration: High Medium Low	Possible Head Size  Estimated Rate (GPM) =  LEAK DESCRIPTION	
MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris	In Flood Area Infiltration: High Medium Low	Possible Head Size  Estimated Rate (GPM) =  LEAK DESCRIPTION	
MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present	In Flood Area Infiltration: High Medium Low	Possible Head Size  Estimated Rate (GPM) =  LEAK DESCRIPTION	
MH DEFECTS  Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration	In Flood Area Infiltration: High Medium Low	Possible Head Size  Estimated Rate (GPM) =  LEAK DESCRIPTION	
MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present	In Flood Area Infiltration: High Medium Low	Possible Head Size  Estimated Rate (GPM) =  LEAK DESCRIPTION	
MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roois Present Visible Infilow	In Flood Area Infiltration: High Medium Low	Possible Head Size  Estimated Rate (GPM) =  LEAK DESCRIPTION	
MH DEFECTS  Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Infilow	In Flood Area Infiltration: High Medium Low	Possible Head Size  Estimated Rate (GPM) =  LEAK DESCRIPTION	
MH DEFECTS  Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roois Present Visible Infilow	In Flood Area Infiltration: High Medium Low	Possible Head Size  Estimated Rate (GPM) =  LEAK DESCRIPTION	
MH DEFECTS  Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Inflow  SOIL CONDITIONS  Dry	In Flood Area Infiltration: High Medium Low	Possible Head Size  Estimated Rate (GPM) =  LEAK DESCRIPTION	
MH DEFECTS  Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roois Present Visible Infilow  SOIL CONDITIONS  Dry Moist	In Flood Area Infiltration: High Medium Low	Possible Head Size  Estimated Rate (GPM) =  LEAK DESCRIPTION	

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MANHOLE SURVEY			
Manhole No:/	N JOHO		
MANHOLE CONSTRUCTION  Brick  Block  Concrete Poured  Conrete Precast  Fiberglass  Cover Size	Manhole #: 1/- 3-5		
MH CONDITION	LINE CONDITIONS A B C D E F		
Good Fair Poor Leaking	Material Size Depth of Invert Depth of Surchage		
	Depth of Flow		
AREA COVER	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride		
Concrete Pavement	CI - Cast Iron AC - Asbestos Cement		
Asphalt Pavement			
Gravel	Potential For Inflow Drainage Area =		
Sidewalk			
Soil	In Ditch Cover Opening 1 2 3 4		
Grass	In Pond Area Possible Head		
Trees	In Flood Area Size		
MISSES			
MH DEFECTS Line Cracks	Infiltration: Estimated Rate (GPM) =		
Circle Cracks	High LEAK DESCRIPTION		
Broken Walls	Medium		
Broken Pipe Entrance	Low		
Broken Bottom			
Broken Frame	SUGGESTED REHAB:		
Broken Cover			
Clogged with Debris			
Foois Present			
Visible Infiltration			
Visible Inflow			
SOIL CONDITIONS			
XIDIY			
Moist	<u> </u>		
Wet			
Saturated	Estimated Cost = \$		

MANHOLE SURVEY							
Manhole No: 4-59 Area: Crew: Date: 6/37/30/b Time: 9:60			N ←	$\sim$	*	}	-
MANHOLE CONSTRUCTION  X Brick Block Concrete Poured Conrete Precast Fiberglass Cover Size			Ma	nhole #:	N-7	59	
MU COMPTION			والمرابع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع				
MH CONDITION** Good Fair Poor Leaking	LINE CONDITIO  Material Size Depth of Invert Depth of Surchage	NS -	A B	c .//	D	E.	F
·.	Depth of Flow			<del>                                     </del>		<del> </del>	
AREA COVER Concrete Pavement Asphalt Pavement	VC - Vertified Clay CI - Cast Iron	C - Co AC - A	ncrete sbestos Cem	ent	PVC-F	olyvinyi (	Chloride
Gravel	Potential For Inflow	Ds	ainage Area :				<del></del>
Sidewalk			w.1030710Q				
Soil	In Ditch	C	over Opening	1	2	3	4
Grass	in Pond Area		ssible Head	<del> </del> -			
Trees	in Flood Area	Si			<del>                                     </del>	-	
				<u></u>	<del></del>	<u> </u>	
MH DEFECTS	Infiltration:	E	timated Rate	(GPM) =	:		- M - P - S
Line Cracks							
Circle Cracks Broken Walls	High	L		EAK DE	SCRIPTI	ON	
Broken Pipe Entrance	Medium Low	-	<del></del>			<del></del>	<del></del> -
Broken Bottom	Low	L			·		
Broken Frame	SUGGESTED REHA	3:	<del></del>	<u>, as an equal-</u>	Object all lists in the printer fraging to		
Broken Cover			<del></del>				
Clogged with Debris							
Roots Present							
Visible Infiltration							
/ Visible Inflow							
SOIL COMPTIONS		<del></del>				··	
SOIL CONDITIONS XIDry							
Moist			<del></del>				
Wet	L		······································		· · · ·		
Saturated	Estimated Cost = \$	<del></del>			**	<del></del>	
أحبيب والمناف والمناف والمناف والمناف والمناف والمناف والمناف والمناف والمناف والمناف والمناف والمناف والمناف	**************************************	· · · · · · · · · · · · · · · · · · ·					

	MANHOLE SURVEY
CITY OF:	N N
Manhole No: M-3-5 Area: Crew: Date: M/3/20/D Time: G:50	
MANHOLE CONSTRUCTION  Brick  Block  Concrete Poured  Conrete Precast	
Fiberglass Cover Size	Manhole #: 4-2-5
MH CONDITION  Good Fair Poor Leaking	LINE CONDITIONS A B C D E F  Material Size Depth of Invert Depth of Surchage
AREA COVER   Concrete Pavement	Depth of Flow  VC - Vertified Clay  C - Concrete  PVC - Polyvinyl Chloride  CI - Cast Iron  AC - Asbestos Cement
Asphalt Pavement Gravel	CI - Cast Iron AC - Asbestos Cement  Potential For Inflow Drainage Area =
Sidewalk Soil Grass	In Ditch Cover Opening 1 2 3 4
Trees	In Flood Area  Possible Head In Flood Area  Size
MH DEFECTS Line Cracks	Infiltration: Estimated Rate (GPM) =
Circle Cracks  Broken Walls  Broken Pipe Entrance  Broken Bottom	High LEAK DESCRIPTION  Medium Low
Broken Frame Broken Cover Clogged with Debris	SUGGESTED REHAB:
Roots Present Visible Infiltration Visible Infilow	
SOIL CONDITIONS	
Moist Wet	
Saturated	Estimated Cost = \$

MANHOLE SURVEY			
Manhole No: 5-30 Area: Crew: Date: 6/3//30/0 Time: 1:10  MANHOLE CONSTRUCTION Brick Block Concrete Poured Conrete Precast Fiberglass Cover Size	Manhole #: 3-3-9		
MH CONDITION Good Fair Poor Leaking  AREA COVER	LINE CONDITIONS A B C D E F  Material Size Depth of Invert Depth of Surchage Depth of Flow		
Concrete Pavement Asphalt Pavement Gravel	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride CI - Cast Iron AC - Asbestos Cement  Potential For Inflow Drainage Area =		
Sidewalk Soil Grass Trees	In Ditch Cover Opening 1 2 3 4 In Pond Area Possible Head In Flood Area Size		
MH DEFECTS  Line Cracks  Circle Cracks  Broken Walls  Broken Pipe Entrance	Infiltration: Estimated Rate (GPM) =  High LEAK DESCRIPTION  Medium Low		
Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Inflow	SUGGESTED REHAB:		
SOIL CONDITIONS  Dry  Moist  Wet  Saturated	Estimated Cost = \$		

	MANHOLE SURVEY
CITY OF:	Sance of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same
Manhole No: 5 - 1 Area: Crew: Date: 15 5 6	
MANHOLE CONSTRUCTION  Brick  Block  Concrete Poured  Conrete Precast  Fiberglass	
Cover Size	Manhole #: 5-2
MH CONDITION Good Fair Poor Leaking	LINE CONDITIONS A B C D E F  Material Size Depth of Invert Depth of Surchage
AREA COVER  A Concrete Pavement	Depth of Flow  VC - Vertified Clay  CI-Cast Iron  AC - Asbestos Cement  CI-Cast Iron
Asphalt Pavement Gravel Sidewalk	Potential For Inflow Drainage Area =
Soil Grass Trees	In Ditch Cover Opening 1 2 3 4 In Pond Area Possible Head In Flood Area Size
MH DEFECTS	Infiltration: Estimated Rate (GPM) =
Circle Cracks Broken Walls Broken Pipe Entrance	High LEAK DESCRIPTION  Medium Low
Broken Bottom Broken Frame Broken Cover Clogged with Debris	SUGGESTED REHAB:
Roots Present Visible Infiltration Visible Inflow	
SOIL CONDITIONS  Dry  Moist	
Wet Saturated	Estimated Cost = \$

	MANHOLE	SURV	EY			
CITY OF:			* * * * * * * * * * * * * * * * * * *	i he		
Cit or.	, 18		N			_
			ļ,			
Manhole No: M_ KU			,			
Area:						
Crew:	<b>┨</b> ┞┈ <del>╏┈╏╸╏</del>					
Date: [2/3/7/20 [6		╼╂╼╌╂╼╌╂			1	
Time: 2'23	┨ <del>╏╌╏═╏═╏═╏</del>	╍╂╼╌╂╼╌┨╴╽	8			
F. 82	┛┞╾╂╼╂╼╁╼╁	╼╂╼╌╂╼╌┨╶╏		•	1	
MANHOLE CONSTRUCTION	╸┞╼╂╼╂╼╏╼╂		SORTION			
m w ' i i is not married on m or year or 1918			00110			
Brick			CON'			
Block						
Concrete Poured						
Conrete Precast		<del>-   -   -  </del>				
Fiberglass		<del></del>				
Cover Size		<del></del>	Manhole #:		01	
	┪┖╼┸╼┸╌┸╌┸		Manoic #.	L /y	80	
<b>等以</b>	_					
MH CONDITION	LINE CONDITION	SA	ВС	D	É.	F
Good	Material	01				
XFair	Size					
Poor	Depth of Invert	- <del> </del>	//			
Leaking	2 2 -	1 6				
(reaving	Depth of Surchage					
	Depth of Flow		1			
AREA COVER	VC - Vertified Clay	C - Concrete		PVC - P	olyvinyi (	Chloride
Concrete Pavement	VC - Vertified Clay CI - Cast Iron	C - Concrete AC - Asbestos (	Cement	PVC - P	olyvinyi (	Chloride
			Cement	PVC - P	olyvinyi (	Chloride
Concrete Pavement	CI - Cast Iron	AC - Asbestos (		PVC - P	olyvinyl (	Chloride
Concrete Pavement Asphalt Pavement				PVC-P	olyvinyi (	Chloride
Concrete Pavement Asphalt Pavement Gravel Sidewalk	CI - Cast Iron Potential For Inflow	AC - Asbestos ( Drainage A	rea =			
Concrete Pavement Asphalt Pavement Gravel Sidewalk Soil	CI - Cast Iron  Potential For Inflow  In Ditch	AC - Asbestos ( Drainage A  Cover Ope	rea =	PVC - P	olyvinyl (	Chloride 4
Concrete Pavement Asphalt Pavement Gravel Sidewalk Soil Grass	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area	Drainage A  Cover Ope Possible He	rea =			
Concrete Pavement Asphalt Pavement Gravel Sidewalk Soil	CI - Cast Iron  Potential For Inflow  In Ditch	AC - Asbestos ( Drainage A  Cover Ope	rea =			
Concrete Pavement Asphalt Pavement Gravel Sidewalk Soil Grass Trees	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area	Drainage A  Cover Ope Possible He Size	rea = ning 1 ead	2		
Concrete Pavement Asphalt Pavement Gravel Sidewalk Soil Grass Trees MH DEFECTS	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area	Drainage A  Cover Ope Possible He Size	rea =	2		
Concrete Pavement  Asphalt Pavement  Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area Infiltration:	Drainage A  Cover Ope Possible He Size	rea = ning 1 ead Rate (GPM) =	2	3	
Concrete Pavement Asphalt Pavement Gravel Sidewalk Soil Grass Trees MH DEFECTS	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area	Drainage A  Cover Ope Possible He Size	rea = ning 1 ead	2	3	
Concrete Pavement Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area Infiltration:	Drainage A  Cover Ope Possible He Size	rea = ning 1 ead Rate (GPM) =	2	3 ON	
Concrete Pavement Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Infiltration:	Drainage A  Cover Ope Possible He Size	rea = ning 1 ead Rate (GPM) =	2	3 ON	
Concrete Pavement Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Inflitration:  High Medium	Drainage A  Cover Ope Possible He Size	rea = ning 1 ead Rate (GPM) =	2 SCRIPTI	3 ON	
Concrete Pavement  Asphalt Pavement  Gravel  Sidewalk  Soil  Grass  Trees  MH DEFECTS  Line Cracks  Circle Cracks  Broken Walls  Broken Pipe Entrance  Broken Bottom	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Infiltration:  High Medium Low	Drainage A  Cover Ope Possible He Size  Estimated I	rea = ning 1 ead Rate (GPM) =	2 SCRIPTIO	3 ON	
Concrete Pavement Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Inflitration:  High Medium	Drainage A  Cover Ope Possible He Size  Estimated I	rea = ning 1 ead Rate (GPM) =	2 SCRIPTI	3 ON	
Concrete Pavement  Asphalt Pavement  Gravel Sidewalk Soil Grass Trees  MH DEFECTS  Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Infiltration:  High Medium Low	Drainage A  Cover Ope Possible He Size  Estimated I	rea = ning 1 ead Rate (GPM) =	2 SCRIPTI	3 ON	
Concrete Pavement  Asphalt Pavement  Gravel  Sidewalk  Soil  Grass  Trees  MH DEFECTS  Line Cracks  Circle Cracks  Broken Walls  Broken Pipe Entrance  Broken Bottom  Broken Frame  Broken Cover  Clogged with Debris	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Infiltration:  High Medium Low	Drainage A  Cover Ope Possible He Size  Estimated I	rea = ning 1 ead Rate (GPM) =	2 SCRIPTI	3 ON	
Concrete Pavement Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roois Present	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Infiltration:  High Medium Low	Drainage A  Cover Ope Possible He Size  Estimated I	rea = ning 1 ead Rate (GPM) =	2 SCRIPTI	3 ON	
Concrete Pavement Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Infiltration:  High Medium Low	Drainage A  Cover Ope Possible He Size  Estimated I	rea = ning 1 ead Rate (GPM) =	2 SCRIPTI	3 ON	
Concrete Pavement Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roois Present	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Infiltration:  High Medium Low	Drainage A  Cover Ope Possible He Size  Estimated I	rea = ning 1 ead Rate (GPM) =	2 SCRIPTI	3 ON	
Concrete Pavement Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Infilow	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Infiltration:  High Medium Low	Drainage A  Cover Ope Possible He Size  Estimated I	rea = ning 1 ead Rate (GPM) =	2 SCRIPTI	3 ON	
Concrete Pavement Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Infiltration:  High Medium Low	Drainage A  Cover Ope Possible He Size  Estimated I	rea = ning 1 ead Rate (GPM) =	2 SCRIPTI	3 ON	
Concrete Pavement  Asphalt Pavement  Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Infilow	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Infiltration:  High Medium Low	Drainage A  Cover Ope Possible He Size  Estimated I	rea = ning 1 ead Rate (GPM) =	2 SCRIPTI	3 ON	
Concrete Pavement  Asphalt Pavement  Gravel Sidewalk Soil Grass Trees  MH DEFECTS  Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Infilow	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Infiltration:  High Medium Low	Drainage A  Cover Ope Possible He Size  Estimated I	rea = ning 1 ead Rate (GPM) =	2 SCRIPTI	3 ON	
Concrete Pavement  Asphalt Pavement  Gravel Sidewalk Soil Grass Trees  MH DEFECTS  Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Infiltration SOIL CONDITIONS	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Infiltration:  High Medium Low	Drainage A  Cover Ope Possible He Size  Estimated I	rea = ning 1 ead Rate (GPM) =	2 SCRIPTI	3 ON	
Concrete Pavement Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Infilow  SOIL CONDITIONS Dry Moist	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Infiltration:  High Medium Low	Drainage A  Cover Ope Possible He Size  Estimated I	rea = ning 1 ead Rate (GPM) =	2 SCRIPTI	3 ON	

	MANHOLE SURVEY
Manhole No:	
MANHOLE CONSTRUCTION Brick Block Concrete Poured Conrete Precast Fiberglass Cover Size	Manhole #: 1/2 - 1/2 5
MH CONDITION	LINE CONDITIONS A B C D E F
Good	Material 61
Fair	Size
Poor	Depth of Invert
Leaking	Depth of Surchage
	Depth of Flow
AREA COVER	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride
Concrete Pavement	CT- Cast Iron AC - Asbestos Cement
X Asphalt Pavement	
Gravel	Potential For Inflow Drainage Area =
Sidewalk	
Soil	In Ditch Cover Opening 1 2 3 4
Grass	In Pond Area Possible Head
Trees	In Flood Area Size
MISTER	
MH DEFECTS Line Cracks	Infiltration: Estimated Rate (GPM) =
Circle Cracks	High LEAK DESCRIPTION
Broken Walls	Medium LEAR DESCRIPTION
Broken Pipe Entrance	Low
Broken Bottom	
Broken Frame	SUGGESTED REHAB:
Broken Cover	
Clogged with Debris	
Roots Present	
Visible Infiltration	
Visible Inflow	
CON CONDITIONS	
SOIL CONDITIONS XIDIV	
Moist	
Wet	
Saturated	Estimated Cost = \$
Cettilete	Frankling And - A

	MANHOLE SURVEY
Manhole No: 6-5 Area: Crew: Date: 6/5/00/ Time: 9/50  MANHOLE CONSTRUCTION  Brick Block Concrete Poured Conrete Precast	
Fiberglass Cover Size	Manhole #: 1/2 ~ 5
Cover Size	Manhole #: 19 - 51
MH CONDITION**  Good Fair Poor Leaking	LINE CONDITIONS A B C D E F  Material Size Depth of Invert Depth of Surchage
AREA COVER Concrete Pavement	Depth of Flow  VC - Vertified Clay  C - Concrete  PVC - Polyvinyl Chloride
Asphalt Pavement	CI - Cast Iron AC - Asbestos Cement
Gravel	Potential For Inflow Drainage Area =
Sidewalk Soil Grass Trees	In Ditch Cover Opening 1 2 3 4 In Pond Area Possible Head In Flood Area Size
3	
MH DEFECTS  Line Cracks  Circle Cracks	Infilitration: Estimated Rate (GPM) =    High   LEAK DESCRIPTION
Broken Walls Broken Pipe Entrance	Medium Low
Broken Bottom Broken Frame Broken Cover	SUGGESTED REHAB:
Clogged with Debris Roots Present	
Visible Inflitration Visible Inflow	
SOIL CONDITIONS	
Moist Wet	
Saturated	Estimated Cost = \$

	MANHOLE SURVEY
CITY OF:	
	N N
Manhole No: 9-3	
Area:	
Crew:	
Date: 6/28/2016	
Time: 1:13	
Taile.	
MANHOLE CONSTRUCTION	
Brick	
Block	<del></del>
Concrete Poured	<del></del>
Conrete Precast	<del></del>
Fiberglass Cover Size	
COVER SIZE	Manhole #: 9 - 3
2.45	
MH CONDITION	LINE CONDITIONS A B C D E F
Good	Material 1 / //
<b></b> ∕ Fair	Size / / /
Poor	Depth of Invert
Leaking	Depth of Surchage
	Depth of Flow
AREA COVER	WC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride
Concrete Pavement	CI - Cast Iron AC - Asbestos Cement
Asphalt Pavement	- Carrier Anna Carrier Anna Carrier Anna Carrier Anna Carrier Anna Carrier Anna Carrier Anna Carrier Anna Carr
Gravel	Potential For Inflow Drainage Area =
Sidewalk	- Contain Contain District Act
Soil	In Ditch Cover Opening 1 2 3 4
Grass	In Pond Area Possible Head
Trees	In Flood Area Size
lues	an rioud Area
MH DEFECTS	Infiltration: Estimated Rate (GPM) =
Line Cracks	manufacture (OF IN)
Circle Cracks	High LEAK DESCRIPTION
Broken Walls	Medium EESA DEGGA 110.1
Broken Pipe Entrance	Low
Broken Bottom	
Broken Frame	SUGGESTED REHAB:
Broken Cover	
Clogged with Debris	
Roots Present	
Visible Infiltration	
Visible Inflow	
SOIL CONDITIONS	
Moist	
Wet	
Saturated	Estimated Cost = \$

	MANHOLE SURVEY
CITY OF:	
Manhole No: 11-29 Area: Crew: Date: 1/26/2016 Time: 2:25	N W Refigired
MANHOLE CONSTRUCTION  Brick Block Concrete Poured Conrete Precast Fiberglass	
Cover Size	Manhole #: 11-3-0
MICONDEGO	
MH CONDITION** Good Fair Poor	LINE CONDITIONS A B C D E F  Material Size Depth of Invert
Leaking	Depth of Surchage
1051.00155	Depth of Flow
AREA COVER	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride
Concrete Pavement	CI - Cast Iron AC - Asbestos Cement
Asphalt Pavement Gravel	
Sidewalk	Potential For Inflow Drainage Area =
Soil	
	In Ditch Cover Opening 1 2 3 4
Grass	In Pond Area Possible Head
Trees	In Flood Area Size
MH DEFECTS	Infiltration: Estimated Rate (GPM) =
Line Cracks	Infiltration: Estimated Rate (GPM) =
Circle Cracks	High LEAK DESCRIPTION
Broken Walls	Medium
Broken Pipe Entrance	Low
Broken Bottom	
Broken Frame	SUGGESTED REHAB:
Broken Cover	
Ciogged with Debris	
Roots Present	
Visible Infiltration	
Visible Inflow	J
SOIL CONDITIONS	1
Dry	
Moist	
Wet	
Saturated	Estimated Cost = \$

	MANHOLE S	URVEY	
CITY OF:	N N	N	
Manhole No: 7-9 Area: Crew:			
Date: <u>6/30/3.6/b</u> Time:			
MANHOLE CONSTRUCTION  Brick  Block			
Concrete Poured Conrete Precast Fiberglass Cover Size		Hobel #	
000G GEE		Manhole #:	17-9
MH CONDITION Good	LINE CONDITIONS  Material	A B C	D E F
<b>X</b> Fair	Size	81/	
Poor Leaking	Depth of Invert  Depth of Surchage	51	
	Depth of Flow		
AREA COVER		- Concrete	PVC - Polyvinyl Chloride
Concrete Pavement  Asphalt Pavement	CI-Cast Iron A	C - Asbestos Cement	····
Gravel	Potential For Inflow	Drainage Area =	
Sidewalk			
Soil Grass	In Ditch	Cover Opening 1 Possible Head	2 3 4
Trees	In Flood Area	Size	
		ونداد ومثارات جيوب المساحد الما	
MH DEFECTS Line Cracks	Infiltration:	Estimated Rate (GPM) =	
Circle Cracks	High	LEAK DE	SCRIPTION
Broken Walls	Medium Low		
Broken Pipe Entrance Broken Bottom	1044	L	
Broken Frame	SUGGESTED REHAB:		
Broken Cover			
Clogged with Debris			
Roots Present Visible Infiltration	<b> </b>		
Visible Inflow			
The same same	1		<del></del>
SOIL CONDITIONS			
/XIDny			
Moist	<b> </b>		
Wet Saturated	Estimated Cost = \$	·····	
- Contract	3		

	MANHOLE SURVEY
CITY OF:	N IN
	▎ <del>▎</del>
	╵┟ <del>┖┪╌┨╌╏╌╏╌╏╌╏</del> ╌┨╌╏
Manhole No: 7- 38	
Area:	
Crew	
Date: 10/30/2016	Seg.
Time: 10:24	
rune. 10, 27	
MANHOLE CONSTRUCTION	
Brick	S elivery
	V Charles
Block	
Concrete Poured	
Conrete Precast	
Fiberglass	
Cover Size	Manhole #: 7-38
MH CONDITION	LINE CONDITIONS A B C D F F
Good	
Fair	Material CV Size
Poor	
Leaking	Depth of Invert
Leaning	Depth of Surchage
ADEA COVER	Depth of Flow
AREA COVER	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride
Concrete Pavement	CI - Cast Iron AC - Asbestos Cement
Asphalt Pavement	
Gravel	Potential For Inflow Drainage Area =
Sidewalk	
<b>Soil</b>	In Ditch Cover Opening 1 2 3 4
Grass	In Pond Area Possible Head
Trees	In Flood Area Size
MH DEFECTS	Infiltration: Estimated Rate (GPM) =
Line Cracks	
Circle Cracks	High LEAK DESCRIPTION
Broken Walls	Medium
Broken Pipe Entrance	Low
	. From 1 1
Broken Bottom	
· · · · · · · · · · · · · · · · · · ·	SUGGESTED REHAB:
Broken Bottom	
Broken Bottom Broken Frame	
Broken Bottom Broken Frame Broken Cover	
Broken Bottom Broken Frame Broken Cover Clogged with Debris	
Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present	
Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration	
Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Inflow	
Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiitration Visible Infiow  SOIL CONDITIONS	
Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Inflow  SOIL CONDITIONS Dry	
Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Inflow  SOIL CONDITIONS Dry Moist	
Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Inflow  SOIL CONDITIONS Dry	

	MANHOLE	SURVE	Υ			
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Manhole No: 18-14 9	┓┠ <del>┸╌╏╌╏╶╏</del> ╌┩	╼╁╌╂╌┨	4'7" Serlic			
Area:	┫ <del>┞═╏═╏═╏</del> ═	<del></del>	7	4		
Crew:	┫┝ <del>╍╏╌╏╌╏╌╏</del> ╌		SPRIIL &			
Date: 6/30/2016	┫┞ <del>╍╬╌╏╌╏╶╏</del> ╌╣	<del></del>				
Time: 1:30	<del>┨┠╌╂╌╏╌╏</del> ╌╏	<del>-        </del>	4/1		}	
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MANHOLE CONSTRUCTION	┓ <del>┞╌╂╌╁╌╏</del>			<b>\</b>		
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Concrete Poured	▋ <del>▐▀▐▀▐▀</del> ▋	<del></del>		* /		
Conrete Precast	┃ <del>┣╍╬╍╬╸╬╺╬</del> ╍╬	<del></del>		V		
Fiberglass		╼╂╼╂╼┨╏				
Cover Size	<del>┃┡╼╬╾╬╾╬</del> ╾╬╼╬╼╣	<del></del>	Anahala #	6'	8 + 07	
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MH CONDITION	LINE CONDITIO	NS A B	C	D	E.	F
Good	Material	01				
<b>V</b> ⁴Fair	Size	10				
Poor	Depth of Invert	- 1016				
Leaking	Depth of Surchage					
·	Depth of Flow			<b>!</b>	<del> </del>	
AREA COVER	TO VOLES-LOS-					
i wen conek	( ( vc - vermed Clay )	C - Concrete		PVC-F	olwinvi (	Chloride
Concrete Pavement	VC - Vertified Clay CI - Cast Iron		ment	PVC - F	Polyvinyi (	Chloride
		C - Concrete AC - Asbestos Ce	ment	PVC - F	Polyvinyl (	Chloride
Concrete Pavement	CI - Cast Iron	AC - Asbestos Ce		PVC - F	Olyvinyl (	Chloride
Concrete Pavement  Asphalt Pavement				PVC - P	Polyvinyl (	Chloride
Concrete Pavement  Asphalt Pavement  Gravel	CI - Cast Iron	AC - Asbestos Ce Drainage Are	a =			
Concrete Pavement  Asphalt Pavement  Gravel  Sidewalk	CI - Cast Iron  Potential For Inflow  In Ditch	AC - Asbestos Ce  Drainage Are  Cover Openi	a =	PVC-F	olyvinyi (	Chloride 4
Concrete Pavement  Asphalt Pavement  Gravel  Sidewalk  Soil  Grass	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area	AC - Asbestos Ce  Drainage Are  Cover Openi Possible Hea	a =			
Concrete Pavement  Asphalt Pavement  Gravel  Sidewalk  Soil	CI - Cast Iron  Potential For Inflow  In Ditch	AC - Asbestos Ce  Drainage Are  Cover Openi	a =			
Concrete Pavement  Asphalt Pavement  Gravel  Sidewalk  Soil  Grass	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area	AC - Asbestos Ce  Drainage Are  Cover Openi Possible Hea Size	a =	2		
Concrete Pavement  Asphalt Pavement  Gravel  Sidewalk  Soil  Grass  Trees	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area	AC - Asbestos Ce  Drainage Are  Cover Openi Possible Hea	a =	2		
Concrete Pavement  Asphalt Pavement  Gravel  Sidewalk  Soil  Grass  Trees  MH DEFECTS	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area	AC - Asbestos Ce  Drainage Are  Cover Openi Possible Hea Size	a = ng 1 1 d   le (GPM) =	2	3	
Concrete Pavement  Asphalt Pavement  Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area Infiltration:	AC - Asbestos Ce  Drainage Are  Cover Openi Possible Hea Size	a =	2	3	
Concrete Pavement  Asphalt Pavement  Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Infiltration:	AC - Asbestos Ce  Drainage Are  Cover Openi Possible Hea Size	a = ng 1 1 d   le (GPM) =	2	3	
Concrete Pavement  Asphalt Pavement  Gravel  Sidewalk  Soil  Grass  Trees  MH DEFECTS  Line Cracks  Circle Cracks  Broken Walls	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Inflitration:  High Medium	AC - Asbestos Ce  Drainage Are  Cover Openi Possible Hea Size	a = ng 1 1 d   le (GPM) =	2	3	
Concrete Pavement  Asphalt Pavement  Gravel Sidewalk Soil Grass Trees  MH DEFECTS  Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Inflitration:  High Medium	AC - Asbestos Ce  Drainage Are  Cover Openi Possible Hea Size  Estimated Ra	a = ng 1 1 d   le (GPM) =	2	3	
Concrete Pavement  Asphalt Pavement  Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Infiltration:  High Medium Low	AC - Asbestos Ce  Drainage Are  Cover Openi Possible Hea Size  Estimated Ra	a = ng 1 1 d   le (GPM) =	2	3	
Concrete Pavement  Asphalt Pavement  Gravel  Sidewalk  Soil  Grass  Trees  MH DEFECTS  Line Cracks  Circle Cracks  Broken Walls  Broken Bottom  Broken Frame	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Infiltration:  High Medium Low	AC - Asbestos Ce  Drainage Are  Cover Openi Possible Hea Size  Estimated Ra	a = ng 1 1 d   le (GPM) =	2	3	
Concrete Pavement  Asphalt Pavement  Gravel  Sidewalk  Soil  Grass  Trees  MH DEFECTS  Line Cracks  Circle Cracks  Broken Walls  Broken Pipe Entrance  Broken Bottom  Broken Frame  Broken Cover	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Infiltration:  High Medium Low	AC - Asbestos Ce  Drainage Are  Cover Openi Possible Hea Size  Estimated Ra	a = ng 1 1 d   le (GPM) =	2	3	
Concrete Pavement  Asphalt Pavement  Gravel Sidewalk Soil Grass Trees  MH DEFECTS  Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Infiltration:  High Medium Low	AC - Asbestos Ce  Drainage Are  Cover Openi Possible Hea Size  Estimated Ra	a = ng 1 1 d   le (GPM) =	2	3	
Concrete Pavement  Asphalt Pavement  Gravel  Sidewalk  Soil  Grass  Trees  MH DEFECTS  Line Cracks  Circle Cracks  Broken Walls  Broken Pipe Entrance  Broken Bottom  Broken Frame  Broken Cover  Clogged with Debris  Roofs Present	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Infiltration:  High Medium Low	AC - Asbestos Ce  Drainage Are  Cover Openi Possible Hea Size  Estimated Ra	a = ng 1 1 d   le (GPM) =	2	3	
Concrete Pavement  Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS  Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Infiltration:  High Medium Low	AC - Asbestos Ce  Drainage Are  Cover Openi Possible Hea Size  Estimated Ra	a = ng 1 1 d   le (GPM) =	2	3	
Concrete Pavement  Asphalt Pavement  Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Infilow	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Infiltration:  High Medium Low	AC - Asbestos Ce  Drainage Are  Cover Openi Possible Hea Size  Estimated Ra	a = ng 1 1 d   le (GPM) =	2	3	
Concrete Pavement  Asphalt Pavement  Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiitration Visible Infiiow	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Infiltration:  High Medium Low	AC - Asbestos Ce  Drainage Are  Cover Openi Possible Hea Size  Estimated Ra	a = ng 1 1 d   le (GPM) =	2	3	
Concrete Pavement  Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roofs Present Visible Infiitration Visible Infiiow	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Infiltration:  High Medium Low	AC - Asbestos Ce  Drainage Are  Cover Openi Possible Hea Size  Estimated Ra	a = ng 1 1 d   le (GPM) =	2	3	
Concrete Pavement  Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infilitration Visible Infilow  SOIL CONDITIONS	CI - Cast Iron  Potential For Inflow  In Ditch In Pond Area In Flood Area  Infiltration:  High Medium Low	AC - Asbestos Ce  Drainage Are  Cover Openi Possible Hea Size  Estimated Ra	a = ng 1 1 d   le (GPM) =	2	3	

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	MANHOLE SURVEY
CITY OF:	N N
Manhole No: // -/ -/ Area: Crew: Date: 7-5-3//6 Time: 0//4	6'9"
MANHOLE CONSTRUCTION  Brick Block Concrete Poured Conrete Precast Fiberglass	
Cover Size	Manhole #: // 12-24
MH CONDITION Good Fair Poor Leaking	LINE CONDITIONS A B C D E F  Material Size Depth of Invert Depth of Surchage
AREA COVER Concrete Pavement Asphalt Pavement Gravel	Depth of Flew VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride CI - Cast Iron AC - Asbestos Cement  Potential For Inflow Drainage Area =
Sidewalk Soil Grass Trees	In Ditch Cover Opening 1 2 3 4 In Pond Area Possible Head In Flood Area Size
MH DEFECTS Line Cracks	Infiltration: Estimated Rate (GPM) =
Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom	High LEAK DESCRIPTION  Medium Low
Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration	SUGGESTED REHAB:
SOIL CONDITIONS Dry Moist Wet	
Saturated	Estimated Cost = \$

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	MANHOLE SURVEY
Manhole No: _/	
Concrete Poured Conrete Precast Fiberglass Cover Size	Manhole #: 12-2-3
MH CONDITION Good Fair Poor Leaking  AREA COVER	LINE CONDITIONS A B C D E F  Material Size Depth of Invert Depth of Surchage Depth of Flow  VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride
Concrete Pavement Asphalt Pavement Gravel Sidewalk Soil Grass	CI - Cast Iron AC - Asbestos Cement  Potential For Inflow Drainage Area =  In Ditch Cover Opening 1 2 3 4  In Pond Area Possible Head
MH DEFECTS Line Cracks Circle Cracks	In Flood Area Size  Infiltration: Estimated Rate (GPM) =  High LEAK DESCRIPTION
Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris	Medium Low SUGGESTED REHAB:
Roots Present Visible Infiltration Visible Inflow  SOIL CONDITIONS Dry	
Moist Wet Saturated	Estimated Cost = \$

	AAAH IOLE		
	MANHOLE	SURVEY	
CITY OF:	N		
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Manhole No: /-//	┓┞ <del>╹═╂╼╂</del> ╾╂╾╂╾╂╾	<del>╂┈╂┈╏┈</del> ┨╏ [╏]	
Area:	<mark>┃ ├─┼─├─</mark> ┼─┼─	<del>╿╌╏╼╏╼</del> ┨┃	
Crew:	┇┞ <del>╌╏╌╏╌╏╸╏╸</del>		10
Date: 7/5/20/6	┫ <del>┞╌╂╌╂╌┧╌╅╌┧</del> ╾	<del>                                      </del>	
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MANHOLE CONSTRUCTION	<del>┃ <del>┃ ┃ ┃ ┃ ┃ ┃</del></del>	1 30 8/1	
Brick			
Block	<del>┃┡╍┋╸┩╸┩╸┩╸</del>		
Concrete Poured	┃┞ <del>┈╎┈╎┈</del> ┤╌┤╌┤╌	1	
Conrete Precast		<del>                                      </del>	
Fiberglass		<del>                                     </del>	
Cover Size		Manhole #: / - /-/	
20 A.A. 15 20 A.A. 15 20 A.A. 15		,,,	•
MH CONDITION	LINE CONDITIONS	A B C D E	
Good	Material Material	A B C D E.	F
Fair	Size	· <del></del>	
Poor	Depth of Invert	· I all all	
Leaking	Depth of Surchage		
·	Depth of Flow	<del></del>	
AREA COVER	VC - Vertified Clay	C - Concrete PVC - Polyvimi Chlor	
Concrete Pavement	CI - Cast Iron	C - Concrete PVC - Polyvinyl Chlor AC - Asbestos Cement	ide
Asphalt Pavement	Or - Cast acri	AC - ASUESIOS CEMENT	
UGravel	Potential For Inflow	Desirance Area	
Sidewalk	- Contract of Billions	Drainage Area =	
Soil	In Ditch	Course Cooring 1	
Grass	1	Cover Opening 1 2 3	4
Trees	In Pond Area In Flood Area	Possible Head	<u>.</u>
Tiess	In Flood Area	Size	
MH DEFECTS	Infiltration:	Estimated Rate (GPM) =	
Line Cracks			
Circle Cracks	High	LEAK DESCRIPTION	
Broken Walls	Medium		
Broken Pipe Entrance	Low		
Broken Bottom			
Broken Frame	SUGGESTED REHAB:		<u> Parlament</u>
Broken Cover			
Clogged with Debris			
Roots Present			
Visible Infiltration			
✓ Visible Inflow			
SOIL CONDITIONS			
₩Dny			
Moist			
	Estimated Cost = \$		

MANHOLE SURVEY						
CITY OF:						
OIT OF.	N	N				
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Manhole No: 1-30	╻┞ <del>╌╏╌╏╸╏╸╏╸</del> ╅	<del>- - - </del>		-	Sellier	
Manhole No: 1-30 Area:	<del> </del>			1/	E	
Crew:		<del></del>		W.	(E)	
	<del></del> <del>│├─┽╌┤╌┧╌╅╌</del> ╅	╃╃╃┩╽╮	. /		1	
Date: 7/5/2016	<del>┃┡╌╅╼┨</del> ╾ <del>╏</del> ╾╂	┸┸┸┦╏			<i>—</i>	<b>&gt;</b>
Time: / ; AD		4444	<b>/</b>		<i>.</i>	ア
MANHOLE CONSTRUCTION	· <del>├─┤─┤</del>	4-4-1	Ì	<b>\</b>		
	╽┝╌╂╼┨╼┨╼┨╼	<del>                                     </del>				
Brick		<del>- - -</del>		$\Lambda$		
Block	<del>│ ├──<del></del>┤──<del></del>┤──<del></del></del>	4-4-4-1		11		
Concrete Poured	<del>┃┡╼╂╼╂╼╂</del> ┷╂┷	<del>- - - </del>		6		
Conrete Precast	<del>┃┡╍╬╍╬╍╬╍╬</del> ╌	<del>-   </del> -				į
Fiberglass Cover Size	<del>┃┡╼╂╼╏</del> ╾╏╼╏	<del></del>				
Cover Size		<u> </u>	nhole #:	17	30	
MH CONDITION	LINE CONDITION	SAB	С	D	E.	F
Good	Material	ON	<u> </u>			
X Fair	Size	5-101				
Poer	Depth of Invert	- XXX	<del></del>	<b></b>	<del>                                     </del>	
Leaking	Depth of Surchage	1010		<del> </del>	<del>   </del>	
· ·	Depth of Flow		<del>                                     </del>	<del> </del>	<del> </del>	
AREA COVER	(VC - Vertified Clay )	C - Concrete	· -	PVC - E	olyvinyl (	hlorida
Concrete Pavement				F40-1	Ciyvaiyi (	AUCINE
I GARREN PROPRIED	1 (1) - (129) Ima	AC - Achaeine Cam	ant			1
£	CI - Cast Iron	AC - Asbestos Cem	ent			
Asphalt Pavement						
Asphalt Pavement Gravel	Potential For Inflow	AC - Asbestos Cem Drainage Area :				
Asphalt Pavement Gravel Sidewalk	Potential For Inflow	Drainage Area :	•			
Asphalt Pavement Gravel Sidewalk Soil	Potential For Inflow	Drainage Area : Cover Opening	•	2	3	4
Asphalt Pavement Gravel Sidewalk Soil Grass	Potential For Inflow  In Ditch In Pond Area	Drainage Area = Cover Opening Possible Head	•	2	3	4
Asphalt Pavement Gravel Sidewalk Soil	Potential For Inflow	Drainage Area : Cover Opening	•	2	3	4
Asphalt Pavement Gravel Sidewalk Soil Grass Trees	In Ditch In Pond Area In Flood Area	Drainage Area = Cover Opening Possible Head Size	1		3	4
Asphalt Pavement Gravel Sidewalk Soil Grass Trees MH DEFECTS	Potential For Inflow  In Ditch In Pond Area	Drainage Area = Cover Opening Possible Head	1		3	4
Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks	Potential For Inflow  In Ditch In Pond Area In Flood Area Infiltration:	Drainage Area :  Cover Opening Possible Head Size Estimated Rate	1 (GPM) =			4
Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks	Potential For Inflow  In Ditch In Pond Area In Flood Area Infiltration:	Drainage Area :  Cover Opening Possible Head Size Estimated Rate	1			4
Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls	Potential For Inflow  In Ditch In Pond Area In Flood Area Infiltration:  High Medium	Drainage Area :  Cover Opening Possible Head Size Estimated Rate	1 (GPM) =			4
Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance	Potential For Inflow  In Ditch In Pond Area In Flood Area Infiltration:	Drainage Area :  Cover Opening Possible Head Size Estimated Rate	1 (GPM) =			
Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom	Potential For Inflow  In Ditch In Pond Area In Flood Area Infiltration:  High Medium Low	Drainage Area :  Cover Opening Possible Head Size  Estimated Rate	1 (GPM) =		ON	
Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame	Potential For Inflow  In Ditch In Pond Area In Flood Area Infiltration:  High Medium	Drainage Area :  Cover Opening Possible Head Size  Estimated Rate	1 (GPM) =	SCRIPTI	ON	
Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover	Potential For Inflow  In Ditch In Pond Area In Flood Area Infiltration:  High Medium Low	Drainage Area :  Cover Opening Possible Head Size  Estimated Rate	1 (GPM) =	SCRIPTI	ON	
Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris	Potential For Inflow  In Ditch In Pond Area In Flood Area Infiltration:  High Medium Low	Drainage Area :  Cover Opening Possible Head Size  Estimated Rate	1 (GPM) =	SCRIPTI	ON	
Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roofs Present	Potential For Inflow  In Ditch In Pond Area In Flood Area Inflitration:  High Medium Low	Drainage Area :  Cover Opening Possible Head Size  Estimated Rate	1 (GPM) =	SCRIPTI	ON	
Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration	Potential For Inflow  In Ditch In Pond Area In Flood Area Inflitration:  High Medium Low	Drainage Area :  Cover Opening Possible Head Size  Estimated Rate	1 (GPM) =	SCRIPTI	ON	
Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roofs Present	Potential For Inflow  In Ditch In Pond Area In Flood Area Inflitration:  High Medium Low	Drainage Area :  Cover Opening Possible Head Size  Estimated Rate	1 (GPM) =	SCRIPTI	ON	
Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Infilow	Potential For Inflow  In Ditch In Pond Area In Flood Area Inflitration:  High Medium Low	Drainage Area :  Cover Opening Possible Head Size  Estimated Rate	1 (GPM) =	SCRIPTI	ON	
Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Infilow	Potential For Inflow  In Ditch In Pond Area In Flood Area Inflitration:  High Medium Low	Drainage Area :  Cover Opening Possible Head Size  Estimated Rate	1 (GPM) =	SCRIPTI	ON	
Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Infiltration Visible Infilow	Potential For Inflow  In Ditch In Pond Area In Flood Area Inflitration:  High Medium Low	Drainage Area :  Cover Opening Possible Head Size  Estimated Rate	1 (GPM) =	SCRIPTI	ON	
Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Infilow  SOIL CONDITIONS  Dry Moist	Potential For Inflow  In Ditch In Pond Area In Flood Area Inflitration:  High Medium Low	Drainage Area :  Cover Opening Possible Head Size  Estimated Rate	1 (GPM) =	SCRIPTI	ON	
Asphalt Pavement Gravel Sidewalk Soil Grass Trees  MH DEFECTS Line Cracks Circle Cracks Circle Cracks Broken Walls Broken Pipe Entrance Broken Bottom Broken Frame Broken Cover Clogged with Debris Roots Present Visible Infiltration Visible Infiltration Visible Infilow	Potential For Inflow  In Ditch In Pond Area In Flood Area Inflitration:  High Medium Low	Drainage Area :  Cover Opening Possible Head Size  Estimated Rate	1 (GPM) =	SCRIPTI	ON	

MANHOLE SURVEY				
CITY OF:	7			
CITY OP:	N bil			
Manhole No: 10-59 Area:	$\mathbf{I} \vdash \mathbf{I} \vdash \mathbf{I} \vdash \mathbf{I} \vdash \mathbf{I} \vdash \mathbf{I}$			
Crew:		811		
MANHOLE CONSTRUCTION				
Brick Block	8"			
Concrete Poured Conrete Precast				
Fiberglass Cover Size	M. FREARICKS WILLIAM Manhole #. 16 - 59	M 50		
See 25 C	y			
MH CONDITION**	LINE CONDITIONS A B C D E	F		
Good X Fair	Material 2/			
Poer	Size 3			
Leaking	Depth of Invert Depth of Surchage			
Locating				
AREA COVER	Depth of Flow			
Concrete Pavement	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chlo CI - Cast Iron AC - Asbestos Cement	ride		
X Asphalt Pavement	CI - Cast Iron AC - Asbestos Cement			
Gravel	Potential For Inflow Drainage Area =			
Sidewalk	Potential For Inflow Drainage Area =	<u></u>		
Soil	In Ditch Cover Opening 1 2 3			
Grass	In Ditch Cover Opening 1 2 3 In Pond Area Possible Head	4		
Trees	In Flood Area Size			
	JULY ROOT AGE			
MH DEFECTS Line Cracks	Infiltration: Estimated Rate (GPM) =			
Circle Cracks	High LEAK DESCRIPTION			
Broken Walls	Medium			
Broken Pipe Entrance	Low			
Broken Bottom				
Broken Frame	SUGGESTED REHAB:			
Broken Cover				
Clogged with Debris Roots Present				
Visible Infiltration				
Visible Inflow				
Visible allies				
SOIL CONDITIONS				
Moist				
Wet	L			
Seturated	Estimated Cost = \$			

-

MANHOLE SURVEY					
CITY OF:	N	N	6/		
Manhole No: 4-445 Area: Crew: Date: 7//3/30/6					
MANHOLE CONSTRUCTION					
Brick Block Concrete Poured Conrete Precast					
Fiberglass Cover Size		Manhol	Dudne 1 e# 19-45		
MH CONDITION	LIBIE CONFORTIONIO	سمون والمنافق المنافقة			
. IGood	LINE CONDITIONS Material	A B	C D E F		
X Fair	Maleria Size	1 <del>01</del>			
Poer	Depth of Invert	<del>                                     </del>			
Leaking	Depth of Surchage				
	Depth of Flow				
AREA COVER		- Concrete	710 5-1 : 101: 11		
. Concrete Pavement			PVC - Polyvinyl Chloride		
X Asphalt Pavement	CI-Cast Bull At	- Asbestos Cement			
(Gravel	Potential For Inflow	Period Asset			
Sidewalk	Forma for Billow	Drainage Area =			
Soil	In Ditch	Cours Occasion I			
Grass			1 2 3 4		
Trees	In Pond Area	Possible Head			
lites	In Flood Area	Size			
MH DEFECTS	Infiltration:	Estimated Data (DD			
Line Cracks	inning areas:	Estimated Rate (GP	w.) =		
Circle Cracks	High	IFAK	DESCRIPTION		
Broken Walls	Medium				
Broken Pipe Entrance	Low		<del></del>		
Broken Bottom					
Broken Frame	SUGGESTED REHAB:		and the little statements to desirence questions		
Broken Cover					
Clogged with Debris					
Roots Present					
Visible Infiltration					
Visible Inflow					
	q				
SOIL CONDITIONS					
Dry		······································			
Moist	<u> </u>				
Wet Saturated	Estimated Cost = \$	ত ক্ষান কি বিশ্বস্থান কি প্রভাব			
z istorio marka al	# #FCDMSDATE S				

MANHOLE SURVEY				
CITY OF:	N N			
Manhole No: 5-45				
Area:				
Crew:				
Date:				
Time:	<del>                                   </del>			
MANHOLE CONSTRUCTION				
MANHOLE CONSTRUCTION  ABrick	<del>┃┡═╂═╂═╂═╂═╂</del> ═╂═┫╏			
Block	┃ <del>┣╼╏╼╏╌╏┈╏</del> ╌┨╌┨			
Concreie Poured	<del>                                   </del>			
Conrete Precast	┃ <del>┃─┃─┃┃┃</del>			
Fiberglass				
Cover Size	Manhole #: 5 - LLS			
MH CONDITION	LINE CONDITIONS A B C D E F			
Good	Material A//			
<b>∑</b> Fair	Size			
Poer	Depth of Invert			
Leaking	Depth of Surchage			
	Depth of Flow			
AREA COVER	VC - Vertified Clay C - Concrete PVC - Polyvinyl Chloride			
Concrete Pavement	CI - Cast Iron AC - Asbestos Cement			
Asphalt Pavement				
Gravel	Potential For Inflow Drainage Area =			
Sidewalk	[ In Figh			
Soil	In Ditch Cover Opening 1 2 3 4 In Pond Area Possible Head			
Grass Trees	In Flood Area Size			
l lies	I I II TOUG MES SIZE			
MH DEFECTS	Infiltration: Estimated Rate (GPM) =			
Line Cracks				
Circle Cracks	High LEAK DESCRIPTION			
Broken Walks	Medium			
Broken Pipe Entrance	Low			
Broken Bottom	SUCCESTED RELIAD.			
Broken Frame  Broken Cover	SUGGESTED REHAB:			
Sigged with Debris				
Roots Present				
Visible infiltration				
Visible Inflow				
SOIL CONDITIONS				
/X Day				
Moist				
Wet				
Saturated	Estimated Cost = \$			

## Thumb Days SEPARATE FILE



## Express Pak