

**Stormwater Pollution Prevention Plan (SWPPP) Completeness Checklist**

**Permittee:** Cooper Tire & Rubber Company  
**Project Name:** Cooper Tire and Rubber Company  
**Project City (MS4):** Texarkana  
**Description:** manufacturing building expansion

**Tracking Number:** ARR15 6771  
**Location of SWPPP on-site:** construction trailer  
**Discharges to:** Saline River...Red River  
**HUC:** 11140109

Yes	No	Stream Review		Notes
	X	Located within a losing stream area (include NOC language)		
	X	Located on geological fractures/karst features (red or dark orange karst vulnerability)?		
	X	Located within one (1) mile of an ESW, ERW, NSW, 303 (d) list, TMDL for turbidity?		
Yes	No	N/A	Application Review	
X			Does the permittee legal name match the Sec. of State and do you have a certification of good standing from state of origin?	
X			Does the application include the permit fee?	
		x	Does the applicant have the proper STAA/401 Certification?	

**Yes = Complete**  
**No = Incomplete/Deficient**  
**N/A = Not applicable to project**

Yes	No	N/A	A. A site description, including:	Permit Section Citation	Notes
x			1. Project description, intended use after NOI is filed	Part II.A.4.A.1	
x			2. Sequence of major activities	Part II.A.4.A.2	
x			3. Total & disturbed acreage	Part II.A.4.A.3	
x			4. Pre- and post-construction runoff coefficient OR soil/discharge data	Part II.A.4.A.4	
x			<b>B. Responsible Parties: All parties dealing with the SWPPP and the areas they are</b>	Part II.A.4.B	
			<b>C. Receiving Water.</b>	Part II.A.4.C	
x			-MS4 Name	Part II.A.4.C	
x			-Ultimate Receiving Water	Part II.A.4.C	
			<b>D. Documentation of permit eligibility related to Impaired Water Bodies and Total Maximum Daily Loads (TMDLs).</b>		
		x	1. Identify pollutant on 303(d) list or TMDL	Part II.A.4.D.1	
		x	2. Is construction activity or the specific site listed as cause?	Part II.A.4.D.2	
		x	3. Measures taken to reduce pollutants from the site.	Part II.A.4.D.3	
x			<b>E. Attainment of Water Quality Standards After Authorization.</b>	Part II.A.4.E	
x			<b>F. Site Map --- See End of Evaluation Form</b>	Part II.A.4.F	
			<b>G. Description of Controls:</b>		
			1. Erosion and sediment controls, including:		
x			a. Initial site stabilization	Part II.A.4.G.1.a	
x			b. Erosion and sediment controls	Part II.A.4.G.1.b	
x			c. Replacement of inadequate controls	Part II.A.4.G.1.c	
x			d. Removal of off-site accumulations	Part II.A.4.G.1.d	
x			e. Maintenance of sediment traps/basins @ 50% capacity	Part II.A.4.G.1.e	
x			f. Litter, construction debris and chemicals properly handled	Part II.A.4.G.1.f	
		X	g. Off-site storage areas and controls	Part II.A.4.G.1.g	
			2. Stabilization practices:		
x			a. Description and schedule for stabilization	Part II.A.4.G.2.a	
		X	b. Description of buffer areas	Part II.A.4.G.2.b	
x			c. Records of stabilization	Part II.A.4.G.2.c	
X			d. Deadlines for stabilization	Part II.A.4.G.2.d	x
			3. Structural Practices:		
x			-Describe structural practices to divert flows, store flows, or otherwise limit runoff	Part II.A.4.G.3	
			a. Sediment basins	Part II.A.4.G.3.a.1	
x			-Are more than 10 acres draining to a common point? If so, are sediment basins included?	Part II.A.4.G.3.a.1	
x			-Sediment basin dimensions and capacity description and calculations	Part II.A.4.G.3.a.1	
		x	-If a basin wasn't practicable, are other controls sufficient?	Part II.A.4.G.3.a.1	
x			b. Velocity dissipation devices concentrated flow from 2 or more acres	Part II.A.4.G.3.b	
			<b>H. Other controls including:</b>		
x			1. Solid waste control measures	Part II.A.4.H.1	
x			2. Vehicle off-site tracking controls	Part II.A.4.H.2	
x			3. Compliance with sanitary waste disposal	Part II.A.4.H.4	
x			4. Does the site have a concrete washout area controls?	Part II.A.4.H.5	
x			5. Does the site have fuel storage areas, hazardous waste storage and/or truck wash areas controls?	Part II.A.4.H.6	
				<b>Permit Section Citation</b>	

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**Discharges to:** Saline River...Red River  
**HUC:** 11140109

Yes	No		Stream Review	Notes
	<input checked="" type="checkbox"/>		Located within a losing stream area (include NOC language)	
	<input checked="" type="checkbox"/>		Located on geological fractures/karts features (red or dark orange karst vulnerability)?	
	<input checked="" type="checkbox"/>		Located within one (1) mile of an ESW, ERW, NSW, 303 (d) list, TMDL for turbidity?	
Yes	No	N/A	Application Review	
<input checked="" type="checkbox"/>			Does the permittee legal name match the Sec. of State and do you have a certification of good standing from state of origin?	
<input checked="" type="checkbox"/>			Does the application include the permit fee?	
		<input checked="" type="checkbox"/>	Does the applicant have the proper STAA/401 Certification?	

**Yes = Complete**  
**No = Incomplete/Deficient**  
**N/A = Not applicable to project**

<input checked="" type="checkbox"/>			<b>I. Identification of allowable non-storm water discharges</b>	Part II.A.4.I
<input checked="" type="checkbox"/>			-Appropriate controls for dewatering, if present	Part I.B.12.C
<input checked="" type="checkbox"/>			<b>J. Post construction stormwater management.</b>	Part II.A.4.J
<input checked="" type="checkbox"/>			<b>K. State or local requirements incorporated into the plan.</b>	Part II.A.4.K
			<b>L. Inspections</b>	
<input checked="" type="checkbox"/>			1. Inspection frequency listed?	Part II.A.4.L.1
			2. Inspection form	Part II.A.4.L.2
<input checked="" type="checkbox"/>			Ours.	
			If not ours, does it contain the following items:	
		<input checked="" type="checkbox"/>	a. Inspector name and title	Part II.A.4.L.2.a
		<input checked="" type="checkbox"/>	b. Date of inspection.	Part II.A.4.L.2.b
		<input checked="" type="checkbox"/>	c. Amount of rainfall and days since last rain event (14 day only)	Part II.A.4.L.2.c
		<input checked="" type="checkbox"/>	d. Approx beginning and duration of storm event	Part II.A.4.L.2.d
		<input checked="" type="checkbox"/>	e. Description of any discharges during inspection	Part II.A.4.L.2.e
		<input checked="" type="checkbox"/>	f. Locations of discharges of sediment/other pollutants	Part II.A.4.L.2.f
		<input checked="" type="checkbox"/>	g. BMPs in need of maintenance	Part II.A.4.L.2.g
		<input checked="" type="checkbox"/>	h. BMPs in working order, if maintenance needed (scheduled and completed)	Part II.A.4.L.2.h
		<input checked="" type="checkbox"/>	i. Locations that are in need of additional controls	Part II.A.4.L.2.i
		<input checked="" type="checkbox"/>	j. Location and dates when major construction activities begin, occur or cease	Part II.A.4.L.2.j
		<input checked="" type="checkbox"/>	k. Signature of responsible/cognizant official	Part II.A.4.L.2.k
<input checked="" type="checkbox"/>			3. Inspection Records	Part II.A.4.L.3
<input checked="" type="checkbox"/>			4. Winter Conditions	Part II.A.4.L.4
<input checked="" type="checkbox"/>			5. Adverse Weather Conditions	Part II.A.4.L.5
<input checked="" type="checkbox"/>			<b>M. Maintenance Procedures</b>	Part II.A.4.M
<input checked="" type="checkbox"/>			<b>N. Employee Training</b>	Part II.A.4.N
<input checked="" type="checkbox"/>			<b>Signed Plan Certification</b>	Part II.A.7. and Part II.B.10
			<b>F. Site Map showing:</b>	
<input checked="" type="checkbox"/>			1. Pre-construction topographic view	Part II.A.4.F.1
<input checked="" type="checkbox"/>			2. Drainage flow	Part II.A.4.F.2
<input checked="" type="checkbox"/>			3. Approximate slopes after grading activities	Part II.A.4.F.2
<input checked="" type="checkbox"/>			4. Areas of soil disturbance and areas not disturbed	Part II.A.4.F.3
			5. Location of major structural and non-structural controls.	Part II.A.4.F.4
<input checked="" type="checkbox"/>			6. Location of main construction entrance and exit.	Part II.A.4.F.5
<input checked="" type="checkbox"/>			7. Areas where stabilization practices are expected to occur.	Part II.A.4.F.6
		<input checked="" type="checkbox"/>	8. Locations of off-site materials, waste, borrow area or storage area.	Part II.A.4.F.7
<input checked="" type="checkbox"/>			9. Locations of areas used for concrete wash-out.	Part II.A.4.F.8
			10. Locations of surface waters on site.	Part II.A.4.F.9
<input checked="" type="checkbox"/>			11. Locations where water is discharged to a surface water or MS4.	Part II.A.4.F.10
<input checked="" type="checkbox"/>			12. Storm water discharge locations.	Part II.A.4.F.11
		<input checked="" type="checkbox"/>	13. Areas where final stabilization has been accomplished.	Part II.A.4.F.12

**From:** [Valbuena, Rodrigo](#)  
**To:** [Water Permit Application](#)  
**Cc:** [0200008200@projectmail.ssoe.com](mailto:0200008200@projectmail.ssoe.com)  
**Subject:** SWPPP / NOI Application for Cooper Tire Expansion, Texarkana, AR  
**Date:** Tuesday, September 8, 2020 11:22:20 AM

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Greetings,

As a representative of Cooper Tire and Rubber, Texarkana, AR, I am submitting the SWPPP and the NOI for the future project that will take place on Cooper Tire's property, seeking for a general stormwater permit.

Please let me know if there are any questions.

Regards,

**Rodrigo L. Valbuena, PE**

Assistant Project Manager

.....  
**SSOE Group**

+1.205.397.2309 **direct**  
+1.205.317.5141 **mobile**  
+1.205.323.2373 x8732309

[rvalbuena@ssoe.com](mailto:rvalbuena@ssoe.com)

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Arkansas Department of Environmental Quality  
Permits Branch, Water Division  
5301 Northshore Drive  
North Little Rock, AR 72118  
(501) 682-0623

NOTICE OF INTENT  
FOR DISCHARGERS OF STORMWATER RUNOFF  
ASSOCIATED WITH LARGE CONSTRUCTION ACTIVITY  
AUTHORIZED UNDER NPDES GENERAL PERMIT ARR150000

Application Type: New  Renewal  (Permit Tracking Number ARR(\_\_\_\_))

I. PERMITTEE/OPERATOR INFORMATION

Permittee (Legal Name): Cooper Tire and Rubber Company Inc

Operator Type:

Permittee Mailing Address: 900 Lima Ave

STATE  PARTNERSHIP

Permittee City: Findlay

FEDERAL  CORPORATION\*

Permittee State: Ohio Zip: 45840

SOLE PROPRIETORSHIP

Permittee Telephone Number: (870) 773-4502

PUBLIC  OTHER

Permittee Fax Number \_\_\_\_\_

Permittee E-mail Address \_\_\_\_\_

\*State of Incorporation: Ohio

\* The legal name of the Permittee must be identical to the name listed with the Arkansas Secretary of State.

II. INVOICE MAILING INFORMATION

Invoice Contact Person: Craig Lloyd

City: Texarkana

Invoice Mailing Company: Cooper Tire and Rubber Company Inc

State: Arkansas Zip: Arkansas

Invoice Mailing Address: 3500 Washington St,  
Texarkana, AR 71854

Telephone: (870) 773-4502

III. FACILITY/PROJECT CONSTRUCTION SITE INFORMATION

1 acre = 43,560 square feet

Project Name: Cooper Tire and Rubber Company

Contact Person: Craig Lloyd

Project County: Miller County

Project Physical Address: 3500 Washington St.

Directions to the Project: I-49 S to E 9th St. Then East on  
E 9th St. Continue South on Cooper Tire Rd to Washington St.

Project City: Texarkana, AR Zip: 71854

Telephone Number: (870) 773-4502

Project Estimated  
Start Date: 10-1-2020

Total amount of soil to be disturbed  
(estimate to nearest 1/2 acre): 20.5 AC

Project Estimated  
End Date: 06-03-21

Total Project Acreage  
(Estimate to nearest 1/2 acre): 194.0 AC

Project Latitude: 33 degrees 25 minutes 15.96 seconds

Project Longitude: 94 degrees 0 minutes 4.68 seconds

Type of Project: Subdivision  School  Other: Manufacturing Building Expansion

Is the Project part of a larger common plan of development or sale? Yes  No

Linear Project Starting Coordinates (if applicable): \_\_\_\_\_ Linear Project Ending Coordinates (if applicable): \_\_\_\_\_

Latitude: \_\_\_\_\_° \_\_\_\_\_' \_\_\_\_\_" Longitude: \_\_\_\_\_° \_\_\_\_\_' \_\_\_\_\_" Latitude: \_\_\_\_\_° \_\_\_\_\_' \_\_\_\_\_" Longitude: \_\_\_\_\_° \_\_\_\_\_' \_\_\_\_\_"

**Arkansas Department of Environmental Quality  
Permits Branch, Water Division  
5301 Northshore Drive  
North Little Rock, AR 72118  
(501) 682-0623**

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**IV. DISCHARGE INFORMATION**

Name of Receiving Stream (i.e. an unnamed tributary of Mill Creek, thence into Mill Creek; thence into Arkansas River):

Un-named intermittent stream draining to Nix Creek, not listed

Choose Your Ultimate Receiving Stream: Red River  Ouachita River  Arkansas River   
White River  St. Francis River  Mississippi River

Name of Receiving Municipal Storm Sewer System (If applicable): City of Texarkana, AR

Will you be conducting any in-stream or wetted area activities (i.e. re-routing, trenching, stabilizing, sloping, etc.)? \_\_Yes **X**No

If yes, have you obtained an approval for a Short Term Activity Authorization (STAA) from the Department? \_\_Yes \_\_No

Is the stream or wetted area considered "Waters of the United States"? \_\_Yes **X**No

If yes, have you obtained a 404 permit from the U.S. Army Corps of Engineers? \_\_Yes \_\_No

For information regarding what constitutes "Waters of the United States" please contact the U.S. Army Corps of Engineers, Regulatory Division in the District in which the activity is to take place. Below is the contact information for the three U.S. Army Corps of Engineers Districts in the State:

Little Rock District Ph: (501) 324-5295, [CESWL-Regulatory@usace.army.mil](mailto:CESWL-Regulatory@usace.army.mil)  
Vicksburg District: Ph: (601) 631-7071, [regulatory@usace.army.mil](mailto:regulatory@usace.army.mil)  
Memphis District: Ph: (901) 544-3471, [MemphisPAO@usace.army.mil](mailto:MemphisPAO@usace.army.mil)

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**V. FACILITY/SITE PERMIT INFORMATION**

NPDES Individual Permit Number (If Applicable): AR00

NPDES General Permit Number (If Applicable): ARG

NPDES General Industrial Stormwater Permit Number (If Applicable): ARR00

NPDES General Construction Stormwater Permit Number (If Applicable): ARR15 0000

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**VI. OTHER INFORMATION:**

Location of SWPPP on the

Construction Site: Construction Trailer

Consultant Company: SSOE Group

Consultant Contact Name: John Marsh

Consultant Email Address: JMarsh@ssoe.com

Consultant Address: 1001 Madison, Ave City: Toledo State: Ohio Zip: 43604

Consultant Phone Number: 419.255.3830 Consultant Fax Number: \_\_\_\_\_

**Arkansas Department of Environmental Quality  
Permits Branch, Water Division  
5301 Northshore Drive  
North Little Rock, AR 72118  
(501) 682-0623**

**VII. CERTIFICATION OF OPERATOR**

"I certify that, if this facility is a corporation, it is registered with the Secretary of State of Arkansas. Please provide the full name of corporation if different than that listed in Section I above."

"I certify that as a whole the stormwater discharge(s), and the construction and implementation of Best Management Practices (BMP's) to control stormwater runoff, are not likely to adversely affect species of critical habitat for a listed species."

"I certify that a stormwater pollution prevention plan has been prepared for this facility in accordance with Part II.A of this permit, which provides for, or will provide for, compliance with local sediment and erosion plans, local stormwater permits or stormwater management plans, in accordance with Part II.A.4.c of this permit."

"I certify that the cognizant official designated in Part VIII of this Notice of Intent is qualified to act as a duly authorized representative under the provisions of 40 CFR 122.22(b). If no cognizant official has been designated, I understand that the Department will accept reports signed by the applicant"

"I certify under penalty of law that this document and all attachments such as Inspection Form were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Responsible Official Printed Name: James C. Lloyd Title: Plant Engineer  
Responsible Official Signature: J. Lloyd Date: 9/1/20

**VIII. COGNIZANT OFFICIAL**

Cognizant Official Printed Name: James C. Lloyd Title: Plant Engineer  
Cognizant Official Signature: J. Lloyd Telephone: 870-779-4274

**IX. PERMIT REQUIREMENT VERIFICATION**

Please check the following to verify completion of permit requirements.

	Yes	No*
Submittal of Complete NOI?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Submittal of Required Permit Fee?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Check Number: _____		
Complete SWPPP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**\* If you answer No to any of the above questions, then a permit can not be issued!**

# State Of Delaware

## Entity Details

9/28/2020 2:37:44PM

File Number: 279319

Incorporation Date / Formation Date: 3/26/1930

Entity Name: COOPER TIRE & RUBBER COMPANY

Entity Kind: Corporation

Entity Type: General

Residency: Domestic

State: DELAWARE

Status: Good Standing

Status Date: 6/22/2020

### Registered Agent Information

Name: THE CORPORATION TRUST COMPANY

Address: CORPORATION TRUST CENTER 1209 ORANGE ST

City: WILMINGTON

Country:

State: DE

Postal Code: 19801

Phone: 302-658-7581



**DEPARTMENT OF THE ARMY**  
U.S. ARMY CORPS OF ENGINEERS, VICKSBURG DISTRICT  
4155 CLAY STREET  
VICKSBURG, MISSISSIPPI 39183-3435

August 10, 2020

Operations Division

**SUBJECT: Jurisdictional Determination – Proposed Expansion of Cooper Tire and Rubber Company, Miller County, Arkansas**

Ms. Mary Motte Fikri  
Senior Scientist  
3800 Ezelle Road, Suite 100  
Nashville, Tennessee, 37211

Dear Ms. Fikri:

I refer to your inquiry requesting a jurisdictional determination for the subject property pursuant to the Navigable Waters Protection Rule (NWPR). The property is located in sections 27 and 28, T15S-R28W, Miller County, Arkansas (enclosure 1).

Based upon the information obtained in the field and the NWPR, we have determined that a Department of the Army Section 404 permit will not be required for the proposed work, since the project site is not located in jurisdictional wetlands or other waters of the United States. For your information, I have enclosed a copy of the basis of our determination (enclosure 2) and appeals form (enclosure 3).

This approved jurisdictional determination is valid for a period not to exceed five years from the date of this letter unless superseded by law or regulation. If the proposed work is not completed by this time, or if project plans change, you should contact this office for a reevaluation of permit requirements and refer to Identification No. MVK-2020-220, when submitting the information.

This determination of Department of the Army regulatory requirements does not convey any property rights, either in real estate or material or any exclusive privileges, and does not authorize any injury to property or invasion of rights or local laws or regulations, or obviate the requirement to obtain State or local assent required by law for the activity discussed herein.



The decision regarding this action is based on information found in the administrative record, which documents the District's decision-making process, the basis for the decision, and the final decision.

If we may be of any further assistance in this matter, please contact Mr. William Pigott, of this office, telephone (601) 631-7239, or e-mail address: William.L.Pigott@usace.army.mil.

Sincerely,

Charles R. Allred, Jr.  
Chief, Enforcement Section  
Regulatory Branch

Enclosures

Stormwater Pollution Prevention Plan (SWPPP) for Construction Activity  
for Large Construction Sites

National Pollutant Discharge Elimination System (NPDES)  
General Permit # ARR150000

Prepared for:

Cooper Tire and Rubber Company, Inc.  
900 Lima Ave  
Findlay, OH 45840

Date:

September 2, 2020  
Revised 9-30-2020

Prepared by:

John Marsh  
SSOE Group  
1001 Madison Ave.  
Toledo, OH 43604

Cooper Tire and Rubber Company Inc

Project Name and Location: 3500 Washington St, Texarkana, AR 71854

00329400 28-15S-28W

Property Parcel Number (Optional): 00328900 28-15S-28W

Operator Name and Address: \_\_\_\_\_

A. Site Description

a. Project description, intended use after NOI is filed: \_\_\_\_\_  
Expansion of existing manufacturing building and relocation of gravel trailer lot

b. Sequence of major activities which disturb soils: \_\_\_\_\_  
Expansion of existing manufacturing building and relocation of gravel trailer lot

c. Total Area: 194.0 AC                      Disturbed Area: 20.5 AC

d. Soils Information:

i. Runoff Coefficient Pre-Construction (See Appendix A) : 0.54

ii. Runoff Coefficient Post-Construction (See Appendix A) : 0.57

iii. Describe the soil or the quality of any discharge from the site: Sacul fine sandy loam  
Sawyer silt loam

B. Responsible Parties

Individual/Company	Phone Number	Service Provided for SWPPP (i.e., Inspector, SWPPP revisions, Stabilization Activities, BMP Maintenance, etc.)
Craig Lloyd / Cooper Tire	903.748.8715	Owner
John Marsh / SSOE	567.218.2404	Engineer

C. Receiving Waters

a. The following waterbody (or waterbodies) receives stormwater from this construction site: Un-named intermittent stream draining to Nix Creek, not listed

b. Is the project located within the jurisdiction of an MS4?  Yes  No

i. If yes, Name of MS4: City of Texarkana, AR

c. Ultimate Receiving Water:

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Red River | <input type="checkbox"/> White River       |
| <input type="checkbox"/> Ouachita River       | <input type="checkbox"/> St. Francis River |
| <input type="checkbox"/> Arkansas River       | <input type="checkbox"/> Mississippi River |

D. Documentation of Permit Eligibility Related to the 303(d) list and Total Maximum Daily Loads (TMDL) ([http://www.adeg.state.ar.us/water/branch\\_planning/default.htm](http://www.adeg.state.ar.us/water/branch_planning/default.htm))

a. Does the stormwater enter a waterbody on the 303(d) list or with an approved TMDL? Yes No

b. If yes:

i. Waterbody identified on 303(d) list: \_\_\_\_\_

ii. Pollutant addressed on 303(d) list or TMDL: \_\_\_\_\_

iii. This specific project or generally construction activity is identified on 303(d) list or associated assumptions and allocations identified in the TMDL for the discharge: Yes No

iv. Additional controls implemented: \_\_\_\_\_

E. Attainment of Water Quality Standards After Authorization

a. The permittee must select, install, implement, and maintain BMPs at the construction site that minimize pollutants in the discharge as necessary to meet applicable water quality standards. In general, except in situations explained below, the SWPPP developed, implemented, and updated to be considered as stringent as necessary to ensure that the discharges do not cause or contribute to an excursion above any applicable water quality standard.

b. At any time after authorization, the Department may determine that the stormwater discharges may cause, have reasonable potential to cause, or contribute to an excursion above any applicable water quality standard. If such a determination is made, the Department will require the permittee to:

i. Develop a supplemental BMP action plan describing SWPPP modifications to address adequately the identified water quality concerns and submit valid and verifiable data and information that are representative of ambient conditions and indicate that the receiving water is attaining water quality standards; or

ii. Cease discharges of pollutants from construction activity and submit an individual permit application.

I understand and agree to follow the above text regarding the attainment of water quality standards after authorization. Yes No

F. Site Map Requirements (Attach Site Map):

a. Pre-construction topographic view; CS-100

- b. Direction of stormwater flow (i.e., use arrows to show which direction stormwater will flow) and approximate slopes anticipated after grading activities; CS-200
- c. Delineate on the site map areas of soil disturbance and areas that will not be disturbed under the coverage of this permit; CS-200
- d. Location of major structural and nonstructural controls identified in the plan; CS-200
- e. Location of main construction entrance and exit; CS-200
- f. Location where stabilization practices are expected to occur; CS-200
- g. Locations of off-site materials, waste, borrow area, or equipment storage area; CS-200
- h. Location of areas used for concrete wash-out; CS-200
- i. Location of all surface water bodies (including wetlands); CS-200
- j. Locations where stormwater is discharged to a surface water and/or municipal separate storm sewer system if applicable, CS-200
- k. Locations where stormwater is discharged off-site (should be continuously updated);
- l. Areas where final stabilization has been accomplished and no further construction phase permit requirements apply.

G. Stormwater Controls

- a. Initial Site Stabilization, Erosion and Sediment Controls, and Best Management Practices:

- i. Initial Site Stabilization: Temporary seeding

- ii. Erosion and Sediment Controls: Construction entrance, silt fence, sediment basin

- iii. If periodic inspections or other information indicates a control has been used inappropriately or incorrectly, the operator will replace or modify the control for site situations: Yes No

- If No, explain: \_\_\_\_\_

- iv. Off-site accumulations of sediment will be removed at a frequency sufficient to minimize off-site impacts: Yes No

- If No, explain: \_\_\_\_\_

- v. Sediment will be removed from sediment traps or sedimentation ponds when design capacity has been reduced by 50%: Yes No

- If No, explain: \_\_\_\_\_

- vi. Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges: Yes No

If No, explain: \_\_\_\_\_  
\_\_\_\_\_

- vii. Off-site material storage areas used solely by the permitted project are being covered by this SWPPP: Yes No

If Yes, explain additional BMPs implemented at off-site material storage area: \_\_\_\_\_  
\_\_\_\_\_

b. Stabilization Practices

- i. Description and Schedule: \_\_\_\_\_  
Temporary and Permanent Seeding in areas that are not receiving a hardscape surface

- ii. Are buffer areas required? Yes No

If Yes, are buffer areas being used? Yes No

If No, explain why not: \_\_\_\_\_

There are no streams or regulated wetlands adjacent to the disturbed areas.

If Yes, describe natural buffer areas: \_\_\_\_\_  
\_\_\_\_\_

- iii. A record of the dates when grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated shall be included with the plan.

Yes No

If No, explain: \_\_\_\_\_  
\_\_\_\_\_

- iv. Deadlines for stabilization: Stabilization procedures will be initiated 14 days after construction activity temporarily ceases on a portion of the site.

c. Structural Practices

- i. Describe any structural practices to divert flows from exposed soils, store flows, or otherwise limit runoff and the discharge of pollutants from exposed areas of the site: \_\_\_\_\_

Diversion swales and sedimentation basin

- ii. Sediment Basins:

Are 10 or more acres draining to a common point? Yes No

Is a sediment basin included in the project?  Yes  No

If Yes, what is the designed capacity for the storage?

3600 cubic feet per acre = : 36975 cft

or

10 year, 24 hour storm = : \_\_\_\_\_

Other criteria were used to design basin: \_\_\_\_\_

If No, explain why no sedimentation basin was included and describe required natural buffer areas and other controls implemented instead: \_\_\_\_\_

\_\_\_\_\_

iii. Describe Velocity Dissipation Devices: \_\_\_\_\_

Outlet structure drains to end section with concrete channel

#### H. Other Controls

a. Solid materials, including building materials, shall be prevented from being discharged to Waters of the State:  Yes  No

b. Off-site vehicle tracking of sediments and the generation of dust shall be minimized through the use of:

A stabilized construction entrance and exit

Vehicle tire washing

Other controls, describe: \_\_\_\_\_

c. Temporary Sanitary Facilities: \_\_\_\_\_

Portable restrooms will be located on site

d. Concrete Waste Area Provided:

Yes

No. Concrete is used on the site, but no concrete washout is provided.

Explain why: \_\_\_\_\_

N/A, no concrete will be used with this project

e. Fuel Storage Areas, Hazardous Waste Storage, and Truck Wash Areas: \_\_\_\_\_

Fuel storage is to be located next to the restrooms on site

#### I. Non-Stormwater Discharges

a. The following allowable non-stormwater discharges comingled with stormwater are present or anticipated at the site:

Fire-fighting activities;

Fire hydrant flushings;

- Water used to wash vehicles (where detergents or other chemicals are not used) or control dust in accordance with Part II.A.4.H.2;
- Potable water sources including uncontaminated waterline flushings;
- Landscape Irrigation;
- Routine external building wash down which does not use detergents or other chemicals;
- Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled materials have been removed) and where detergents or other chemicals are not used;
- Uncontaminated air conditioning, compressor condensate (See Part I.B.12.C of the permit);,
- Uncontaminated springs, excavation dewatering and groundwater (See Part I.B.12.C of the permit);
- Foundation or footing drains where flows are not contaminated with process materials such as solvents (See Part I.B.12.C of the permit);

- b. Describe any controls associated with non-stormwater discharges present at the site: \_\_\_\_\_  
non-stormwater discharges are routed to the stormwater management system

J. Post-Construction Stormwater Management:

Describe measures installed during the construction process to control pollutants in stormwater discharges that will occur after construction operations have been completed: Permanant sediment control including seeding, paving, and a detention basin to remain after construction to control pollutants from downstream

- K. Applicable State or Local Programs: The SWPPP will be updated as necessary to reflect any revisions to applicable federal, state, or local requirements that affect the stormwater controls implemented at the site. Yes No

L. Inspections

- a. Inspection frequency:

Every 7 calendar days

or

At least once every 14 calendar days and within 24 hours of the end of a storm even 0.5 inches or greater (a rain gauge must be maintained on-site)

- b. Inspections:

Completed inspection forms will be kept with the SWPPP.

ADEQ's inspection form will be used (See Appendix B)

or

A form other than ADEQ's inspection form will be used and is attached (See inspection form requirements Part II.A.4.L.2)

- c. Inspection records will be retained as part of the SWPPP for at least 3 years from the date of termination.



d. It is understood that the following sections describe waivers of site inspection requirements. All applicable documentation requirements will be followed in accordance with the referenced sections.

- i. Winter Conditions (Part II.A.4.L.3)
- ii. Adverse Weather Conditions (Part II.A.4.L.4)

M. Maintenance:

The following procedures to maintain vegetation, erosion and sediment control measures and other protective measures in good, effective operating condition will be followed: \_\_\_\_\_

Any necessary repairs will be completed, when practicable, before the next storm event, but not to exceed a period of 3 business days of discovery, or as otherwise directed by state or local officials.

N. Employee Training:

The following is a description of the training plan for personnel (including contractors and subcontractors) on this project: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\*\*Note, Formal training classes given by Universities or other third-party organizations are not required, but recommended for qualified trainers; the permittee is responsible for the content of the training being adequate for personnel to implement the requirements of the permit.

Certification

"I certify under penalty of law that this document and all attachments such as Inspection Form were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature of Responsible or Cognizant Official: 

Title: Plant Engineer

Date: 9/1/20

# Computation Sheet for Determining Runoff Coefficients

Appendix A

Total Site Area = 194.0 AC Acres [A]

## Existing Site Conditions

Impervious Site Area <sup>1</sup> = 72.0 Acres [B]

Impervious Site Area Runoff Coefficient <sup>2, 4</sup> = 0.95 [C]

Pervious Site Area <sup>3</sup> = 122.0 Acres [D]

Pervious Site Area Runoff Coefficient <sup>4</sup> = 0.30 [E]

## Pre-Construction Runoff Coefficient

0.54

$$\frac{[B \times C] + [D \times E]}{[A]} = \text{This is your pre-construction runoff coefficient.}$$

## Proposed Site Conditions (after construction)

Impervious Site Area <sup>1</sup> = 81.7 Acres [F]

Impervious Site Area Runoff Coefficient <sup>2, 4</sup> = 0.95 [G]

Pervious Site Area <sup>3</sup> = 112.3 Acres [H]

Pervious Site Area Runoff Coefficient <sup>4</sup> = 0.30 [I]

## Post-Construction Runoff Coefficient

0.57

$$\frac{[F \times G] + [H \times I]}{[A]} = \text{This is your post-construction runoff coefficient.}$$

1. Includes paved areas, areas covered by buildings, and other impervious surfaces.
2. Use 0.95 unless lower or higher runoff coefficient can be verified.
3. Includes areas of vegetation, most unpaved or uncovered soil surfaces, and other pervious areas.
4. Refer to local Hydrology Manual for typical C values.

**ARR150000 Inspection Form**

Appendix B

Inspector Name: \_\_\_\_\_

Date of Inspection: \_\_\_\_\_

Inspector Title: \_\_\_\_\_

Date of Rainfall: \_\_\_\_\_

Duration of Rainfall: \_\_\_\_\_

Days Since Last Rain Event: \_\_\_\_\_ days

Rainfall Since Last Rain Event: \_\_\_\_\_ inches

Description of any Discharges During Inspection: \_\_\_\_\_

Location of Discharges of Sediment/Other Pollutant (specify pollutant & location): \_\_\_\_\_

Locations in Need of Additional BMPs: \_\_\_\_\_

**Information on Location of Construction Activities**

Location	Activity Begin Date	Activity Occuring Now (y/n)?	Activity Ceased Date	Stabilization Initiated Date	Stabilization Complete Date

**Information on BMPs in Need of Maintenance**

Location	In Working Order?	Maintenance Scheduled Date	Maintenance Completed Date	Maintenance to be Performed By

Changes required to the SWPPP: \_\_\_\_\_

Reasons for changes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

SWPPP changes completed (date): \_\_\_\_\_

"I certify under penalty of law that this document and all attachments such as Inspection Form were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

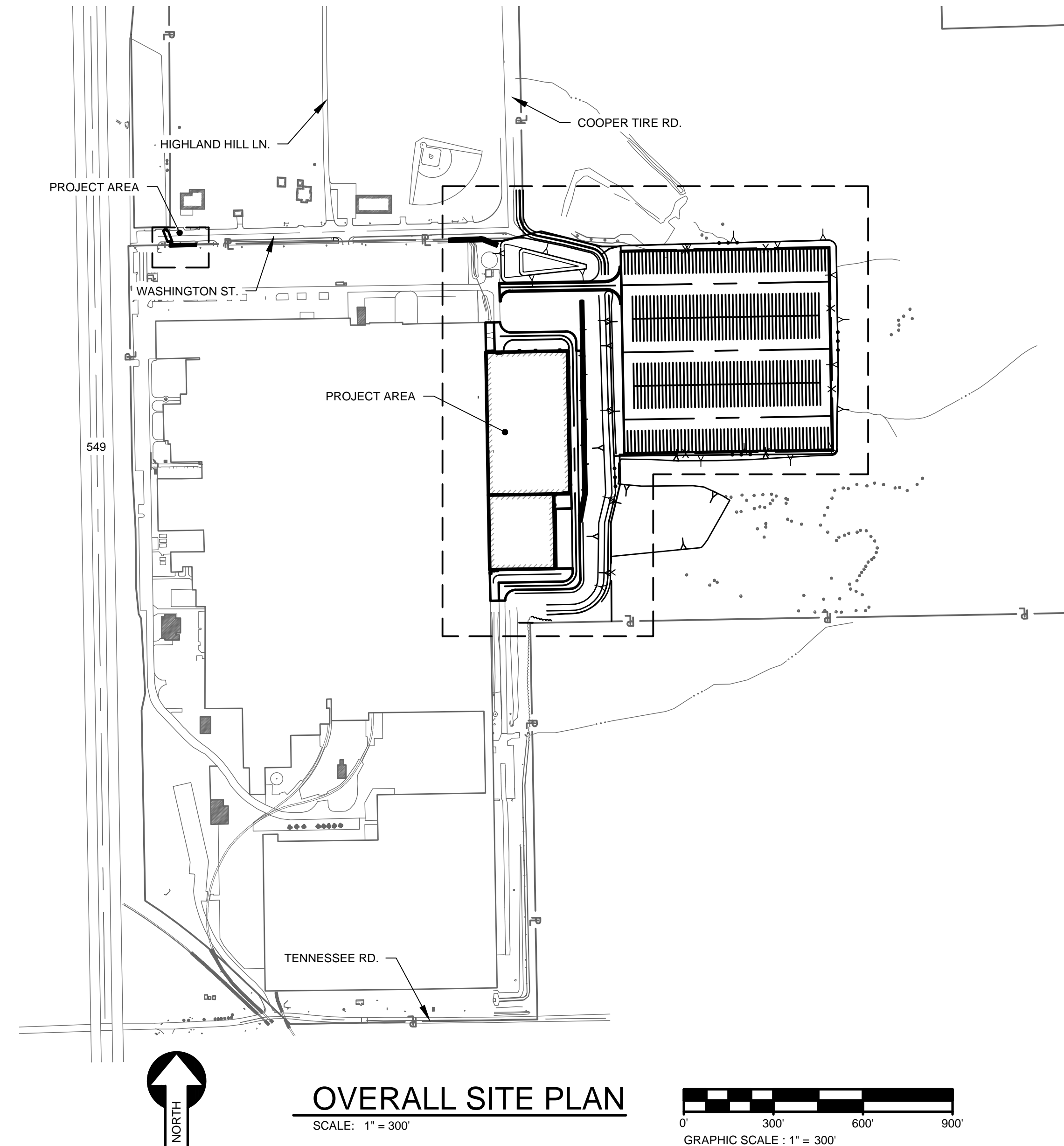
Signature of Responsible or Cognizant Official: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_

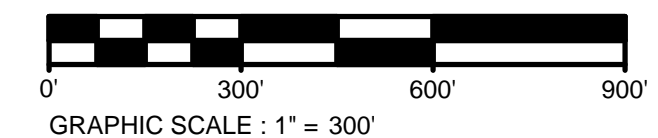


# COOPER TIRE & RUBBER CO. PRODUCTION FACILITY EXPANSION TEXARKANA, AR

DESCRIPTION	CIVIL LEGEND	
	PROPOSED	EXISTING
BUILDING		
LIMITS OF DISTURBANCE		
STORM SEWER	ST	ST
POTABLE WATER		W
FIRE WATER	F	F
BELOW GROUND TELEPHONE LINE		C
BELOW GROUND ELECTRICAL LINE		E
ABOVE GROUND ELECTRICAL LINE		<E>
FENCE	X	X
GUIDE POST / BOLLARD	•	○
DITCH OR SWALE		
MAJOR CONTOUR LINE		
MINOR CONTOUR LINE		
ELEVATION	• 00.00	× 00.00
BENCH MARK		
CATCH BASIN		
MANHOLE	•	○
CLEANOUT	•	•
ROOF DRAIN	• RD	• RD
HEADWALL		
BOX CULVERT HEADWALL		
FIRE HYDRANT		
POST INDICATOR VALVE (PIV OR SCV)	•	•
POWER POLE		
GUY WIRE		
LIGHT POLE		
TREE		



**OVERALL SITE PLAN**  
SCALE: 1" = 300'



ABBREVIATIONS	
LETTERS	DESCRIPTION
AC	ACRES
CF	CUBIC FEET
F	FIRE
FFE	FINISHED FLOOR ELEVATION
FL	FLOW LINE
GU	GUTTER
HW	HEADWALL
IE	INVERT ELEVATION
LF	LINEAR FEET
MH	MANHOLE
PIV	POST INDICATOR VALVE
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
SCV	SECTIONAL CONTROL VALVE
ST	STORM
TC	TOP OF CURB
TE	TOP ELEVATION
TYP	TYPICAL
YD	YARD DRAIN

DRAWING INDEX	
CS-001	COVER SHEET
CS-002	GENERAL NOTES
CS-100	OVERALL DEMOLITION & INITIAL EROSION CONTROL PLAN
CS-200	OVERALL SITE LAYOUT, GRADING, & FINAL EROSION CONTROL PLAN
CS-201	SITE LAYOUT PLAN AREA A
CS-202	SITE LAYOUT PLAN AREA B
CS-203	SITE LAYOUT PLAN AREA C
CS-204	SITE LAYOUT PLAN AREA D
CS-205	SITE LAYOUT PLAN AREA E
CS-207	SITE LAYOUT PLAN AREA G
CS-301	SITE GRADING PLAN AREA A
CS-302	SITE GRADING PLAN AREA B
CS-303	SITE GRADING PLAN AREA C
CS-304	SITE GRADING PLAN AREA D
CS-305	SITE GRADING PLAN AREA E
CS-306	SITE GRADING PLAN AREA F
CS-307	SITE GRADING & UTILITY PLAN AREA G
CS-401	SITE UTILITY PLAN AREA A
CS-403	SITE UTILITY PLAN AREA C
CS-405	SITE UTILITY PLAN AREA E
CS-501	SITE DETAILS
CS-502	UTILITY DETAILS
CS-503	EROSION AND SEDIMENT CONTROL DETAILS

BENCH MARK AND CONTROL POINT TABLE				
THE BEARINGS ARE BASED ON GRID NORTH WITHIN THE "ARKANSAS COORDINATE SYSTEM OF 1983, SOUTH ZONE", NAD83 (CORS96, EPOCH 2002.0), AT THE SURFACE. THE COMBINED SCALE FACTOR TO GO FROM SURFACE TO GRID IS 0.999927269.				
NO.	DESCRIPTION	NORTHING	EASTING	ELEVATION
TBM 1	BENCH TIE IN PP #109902	1593503.19	702223.25	367.66
TP 1	1/2" STEEL ROD W/ORANGE CAP STAMPED MTG CONTROL	1593373.70	702250.15	368.72
TP 2	1/2" STEEL ROD W/ORANGE CAP STAMPED MTG CONTROL	1593071.12	702260.57	372.69



**LOCATION MAP**  
SCALE: NONE



CONSULTANTS:

SEAL ON THIS DOCUMENT AUTHORIZED BY:



PROJECT INFORMATION:

**PRODUCTION FACILITY EXPANSION**  
3500 WASHINGTON ST.  
TEXARKANA, AR

CLIENT INFORMATION:

**COOPER TIRE**  
900 Lima Ave.  
Findlay, Ohio  
45840

CLIENT PROJECT NO: **TEX-16023**

NO.	DATE	SUBJECT
3	02/26/20	ISSUE FOR PERMITS
2	02/20/20	ADDENDUM 6
1	01/10/20	ISSUE FOR BIDS

**SSOE, Inc.**  
2204 Lakeshore Drive Suite 110  
Homewood, AL 35209  
T. (205) 323-2373

PROJECT NO: **020-00082-00**  
PROJECT MANAGER: S. DUNN  
DESIGNED: J. MARSH  
CHECKED: C. HARTMAN

DRAWING TITLE:  
**COVER SHEET**

DRAWING NO:  
**CS-001**





CONSULTANTS:

SEAL ON THIS DOCUMENT AUTHORIZED BY:



PROJECT INFORMATION:

**PRODUCTION FACILITY EXPANSION**  
3500 WASHINGTON ST.  
TEXARKANA, AR

CLIENT INFORMATION:

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900 Lima Ave.  
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45840

CLIENT PROJECT NO: **TEX-16023**

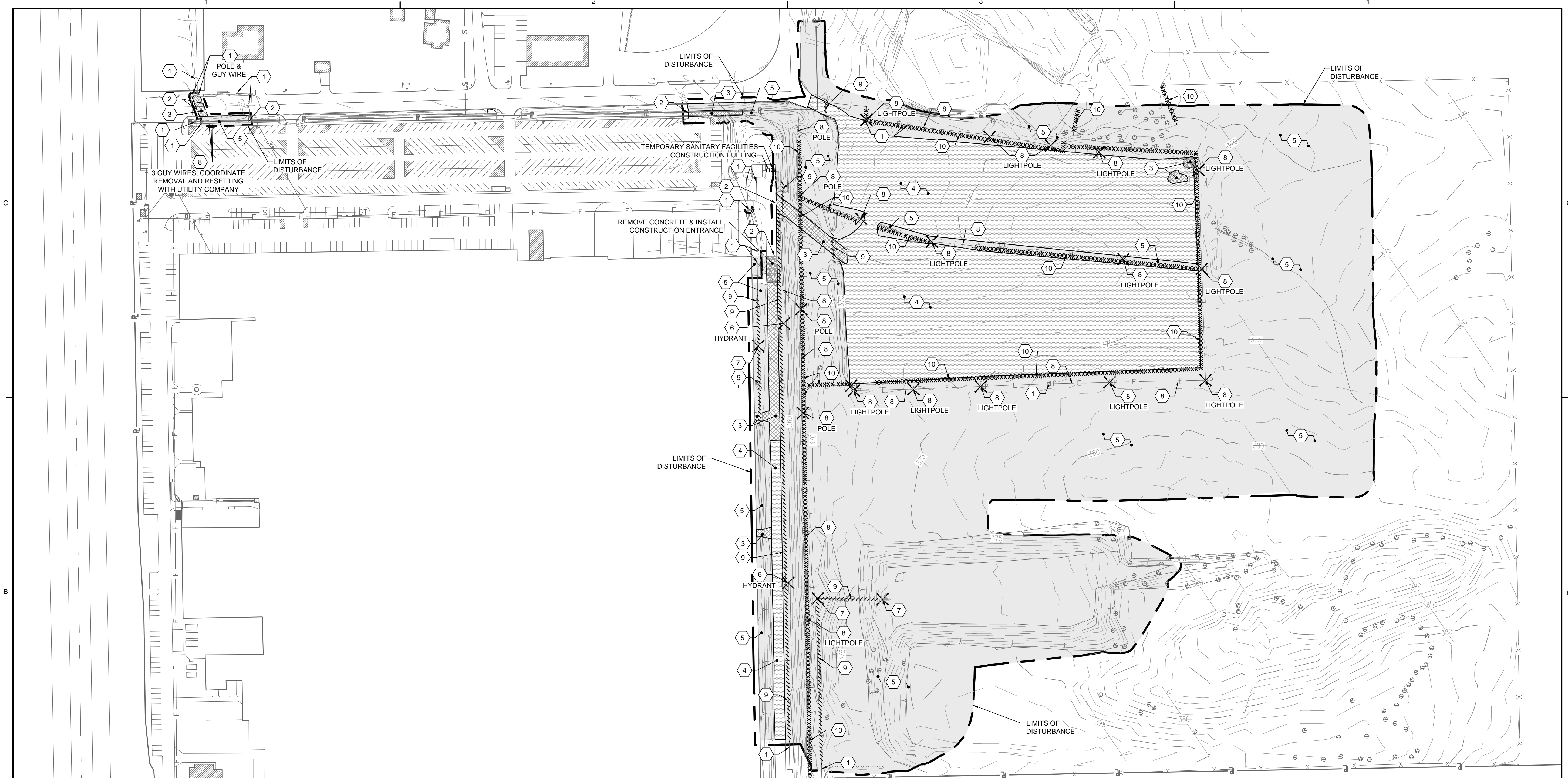
NO.	DATE	SUBJECT
3	02/26/20	ISSUE FOR PERMITS
2	02/20/20	ADDENDUM 6
1	01/10/20	ISSUE FOR BIDS
REVISION OR ISSUE		

**SSOE, Inc.**  
2204 Lakeshore Drive Suite 110  
Homewood, AL 35209  
T: (205) 323-2373

PROJECT NO: **020-00082-00**  
PROJECT MANAGER: S. DUNN  
DESIGNED: J. MARSH  
CHECKED: C. HARTMAN

DRAWING TITLE:  
**OVERALL DEMOLITION & INITIAL EROSION CONTROL PLAN**

DRAWING NO:  
**CS-100**



**ESCP LEGEND**  
\*\*\*REFER TO THE MOST RECENT ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STATEWIDE STORM WATER MANAGEMENT PROGRAM FOR ADDITIONAL INFORMATION AND INSTRUCTIONS.

	<b>CE</b> STABILIZED CONSTRUCTION ENTRANCE/EXIT SEE DETAIL A2 SHEET CS-503
	<b>CW</b> CONCRETE WASHOUT AREA SEE DETAIL B3 SHEET CS-503
	<b>SF</b> SILT FENCE SEE DETAIL A1 SHEET CS-503
	<b>FR</b> HEADWALL INLET PROTECTION SEE DETAIL A3 SHEET CS-503
	<b>IP</b> INLET PROTECTION/INLET FILTER SEE DETAIL B1 AND B2 SHEET CS-503
	<b>OP</b> RIPRAP PROTECTION SEE DETAIL B4 SHEET CS-503

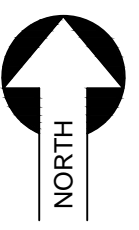
AREA OF DISTURBANCE: 20.52 AC

EXISTING SOILS SAWYER SILT LOAM SACUL FINE SANDY LOAM	HYDROLOGIC SOIL GROUP C D
---	---------------------------------

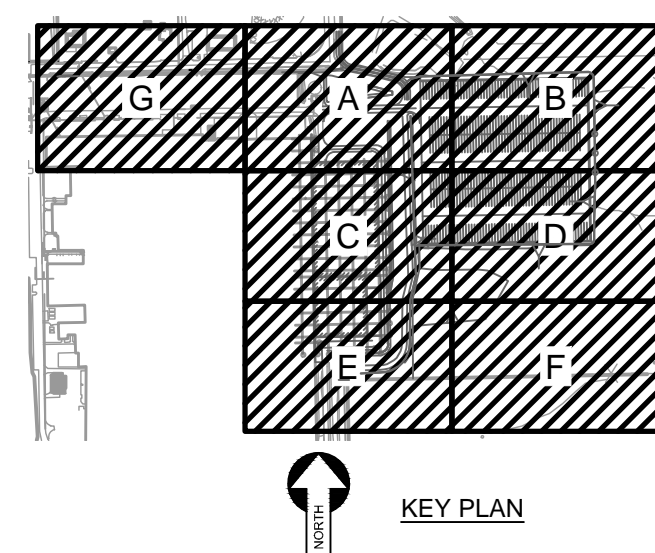
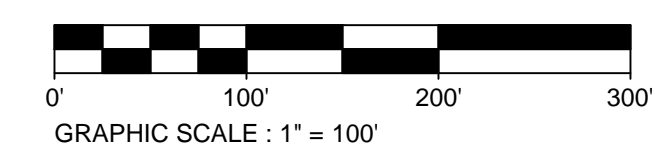
**DEMOLITION SCHEDULE:**

	<b>1</b> PROTECT EXISTING STRUCTURE OR UTILITY TO REMAIN ADJUST RIMS TO FINISH GRADE AS REQUIRED
	<b>2</b> SAWCUT LINE
	<b>3</b> REMOVE CONCRETE PAVEMENT / SWALE
	<b>4</b> REMOVE GRAVEL PAVEMENT
	<b>5</b> REMOVE ALL VEGETATION, TOPSOIL, AND UNSATISFACTORY SOIL MATERIAL UNTIL SATISFACTORY SOIL MATERIAL IS REACHED, AS REQUIRED.
	<b>6</b> REMOVE AND SALVAGE ITEM FOR REINSTALLATION. COORDINATE STORAGE OF SALVAGED ITEMS WITH OWNER.
	<b>7</b> REMOVE ITEM AND DISPOSE OF IN AN OWNER APPROVED MANNER.
	<b>8</b> COORDINATE ELECTRICAL POWER REMOVAL AND RELOCATION WITH UTILITY COMPANY.
	<b>9</b> REMOVE OR ABANDON UNDERGROUND UTILITIES AS REQUIRED. PIPES 8" AND LARGER TO BE FILLED WITH FLOWABLE FILL.
	<b>10</b> REMOVE FENCE

**NOTE:**  
THE EXISTING FIRE SERVICE SHALL REMAIN IN SERVICE UNTIL THE PROPOSED LOOP HAS BEEN PUT IN SERVICE.



**OVERALL DEMOLITION & INITIAL EROSION CONTROL PLAN**  
SCALE: 1" = 100'



CONSULTANTS:

SEAL ON THIS DOCUMENT AUTHORIZED BY:



PROJECT INFORMATION:

**PRODUCTION FACILITY EXPANSION**  
3500 WASHINGTON ST.  
TEXARKANA, AR

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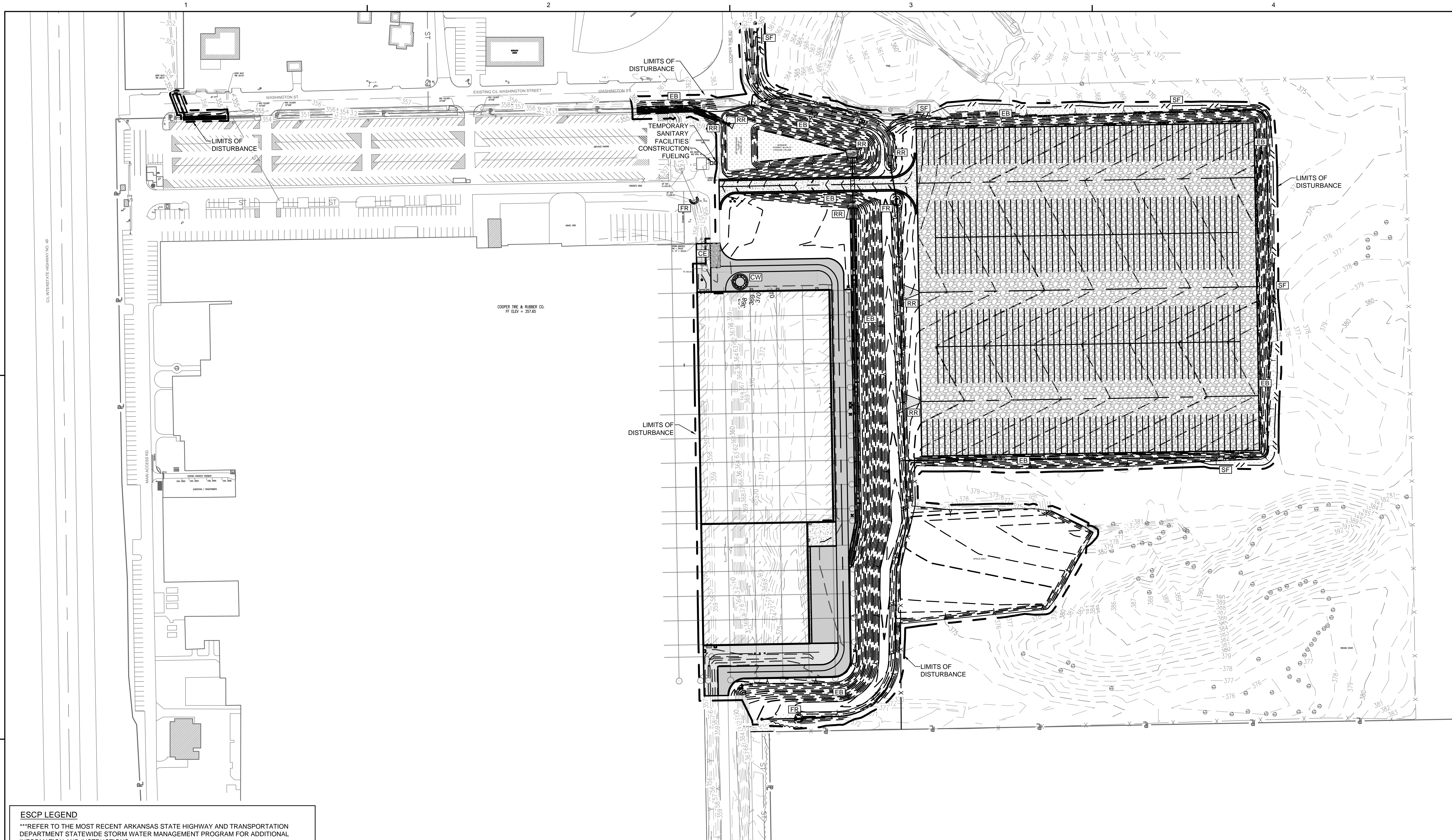
REVISION OR ISSUE

**SSOE, Inc.**  
2204 Lakeshore Drive Suite 110  
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T: (205) 323-2373

PROJECT NO: **020-00082-00**  
PROJECT MANAGER: S. DUNN  
DESIGNED: J. MARSH  
CHECKED: C. HARTMAN

DRAWING TITLE:  
**OVERALL SITE LAYOUT,  
GRADING & FINAL  
EROSION CONTROL PLAN**

DRAWING NO:  
**CS-200**

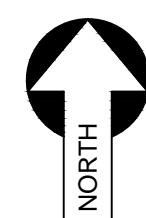


**ESCP LEGEND**  
\*\*\*REFER TO THE MOST RECENT ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STATEWIDE STORM WATER MANAGEMENT PROGRAM FOR ADDITIONAL INFORMATION AND INSTRUCTIONS.

- CE** STABILIZED CONSTRUCTION ENTRANCE/EXIT  
SEE DETAIL A2 SHEET CS-503
- CW** CONCRETE WASHOUT AREA  
SEE DETAIL B3 SHEET CS-503
- SF** SILT FENCE  
SEE DETAIL A1 SHEET CS-503
- FR** HEADWALL INLET PROTECTION  
SEE DETAIL A3 SHEET CS-503
- IP** INLET PROTECTION/INLET FILTER  
SEE DETAIL B1 AND B2 SHEET CS-503
- RR** RIPRAP PROTECTION  
SEE DETAIL B4 SHEET CS-503
- EB** EROSION CONTROL BLANKET  
SEE DETAIL C1 SHEET CS-503

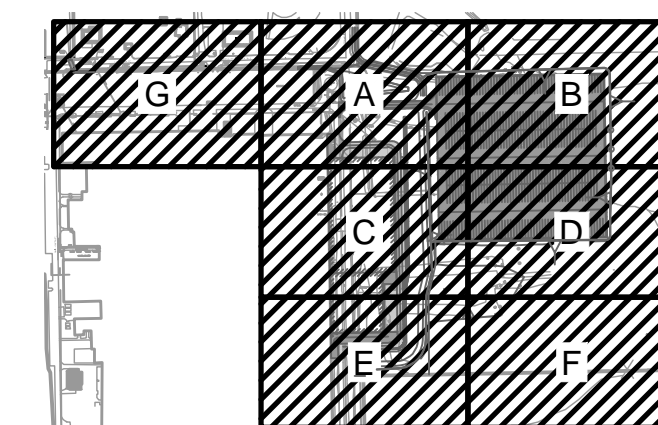
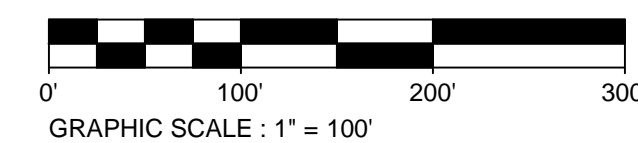
**PAVEMENT SCHEDULE:**

- ASPHALT PAVEMENT  
SEE DETAIL A2 SHEET CS-501
- CONCRETE PAVEMENT  
SEE DETAIL A3 SHEET CS-501
- CONCRETE SIDEWALK  
SEE DETAIL A4 SHEET CS-501
- STONE DUST CONTROL  
SEE DETAIL B2 SHEET CS-501
- GRAVEL SHOULDER  
SEE DETAIL B3 SHEET CS-501
- GRAVEL PAVEMENT  
SEE DETAIL A1 SHEET CS-501



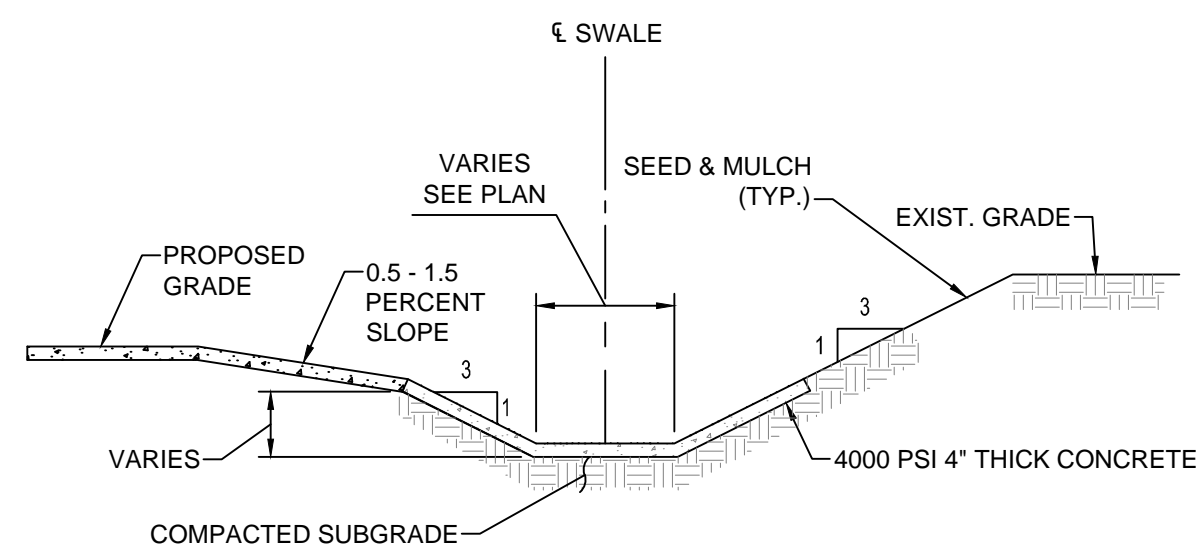
**OVERALL SITE LAYOUT, GRADING  
& FINAL EROSION CONTROL PLAN**

SCALE: 1" = 100'



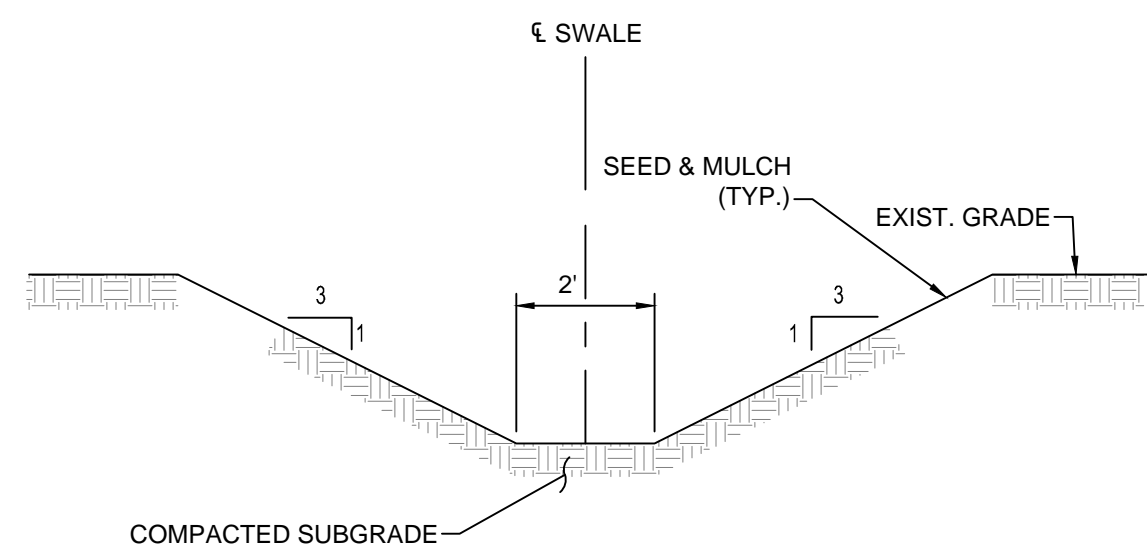
KEY PLAN





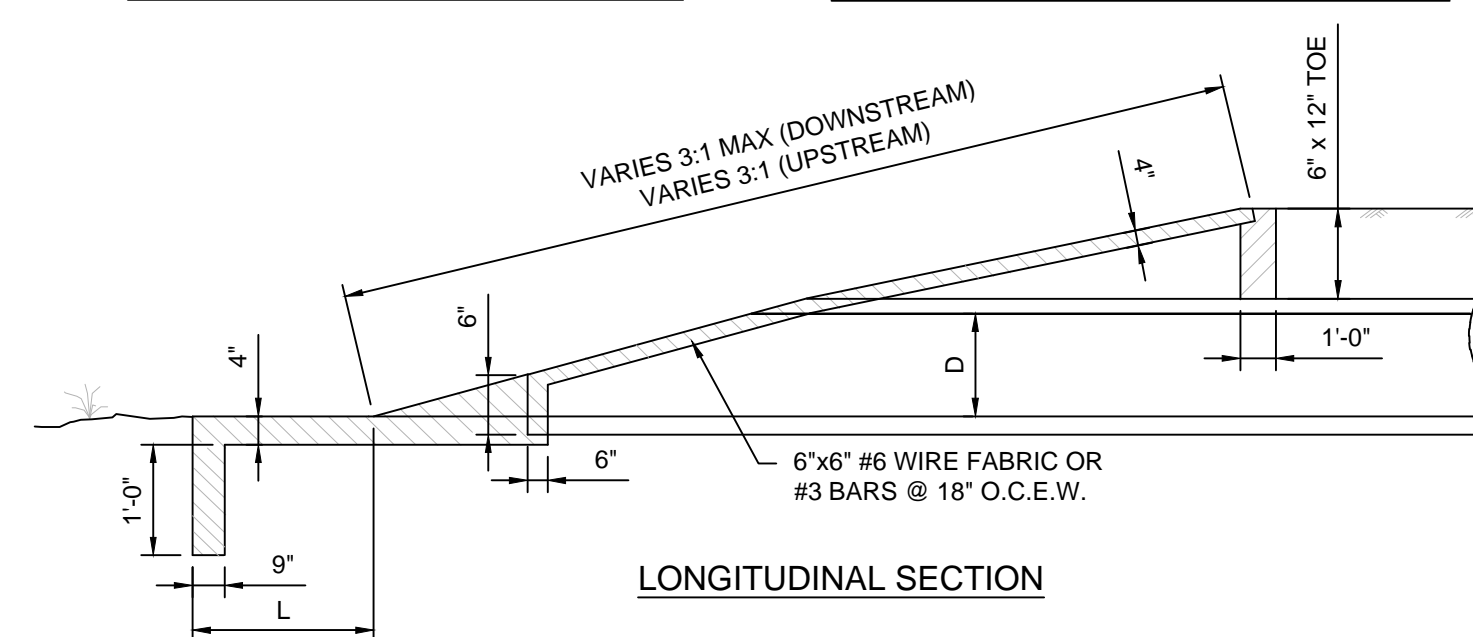
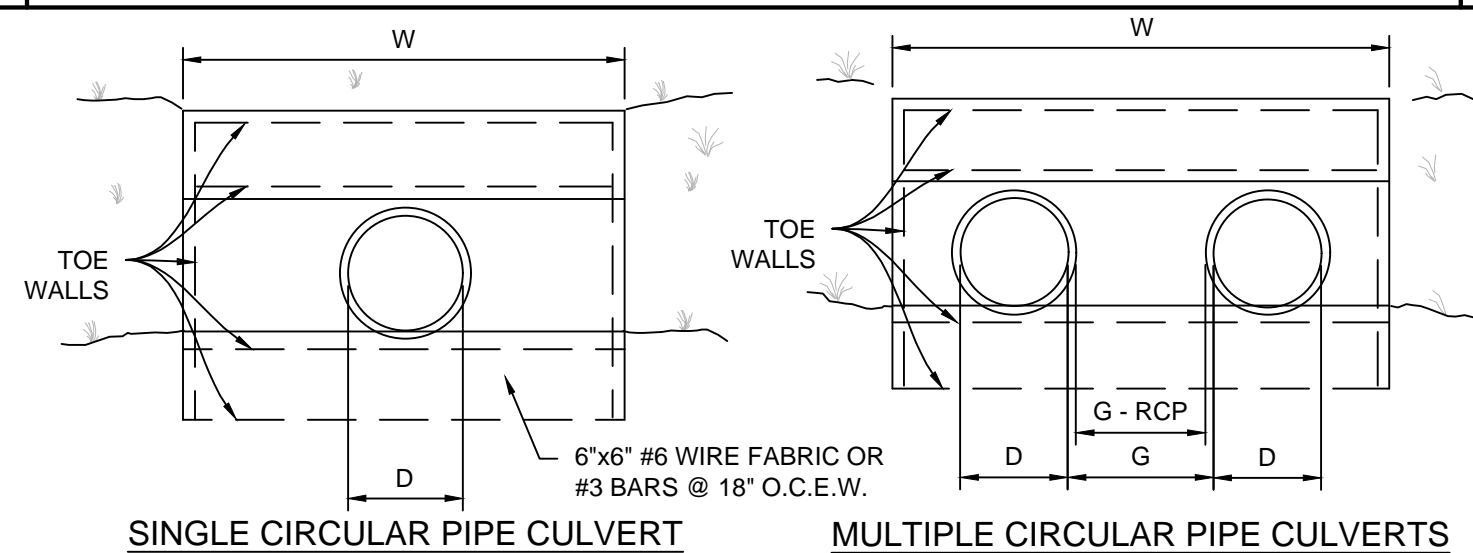
- NOTES:
- \* DITCH SHALL HAVE MAXIMUM 3:1 SIDE SLOPES.
  - \* ROCK CHANNEL PROTECTION, WHERE SPECIFIED, SHALL BE IN ACCORDANCE WITH OUT SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND SHALL CONSIST OF 18" AND 6" ROCK ON GEO FABRIC, (TREVIRA 1120 OR APPROVED EQUAL), UPSTREAM PANEL TO OVERLAP DOWNSTREAM PANEL 3 FEET MINIMUM.
  - \* CHANNEL PROTECTION SHALL BE INCREASED AT OUTSIDE BANK WHERE DITCH CHANGES DIRECTION (2 FEET FOR 3:1 SLOPES).

**C1 SWALE CONCRETE BOTTOM**  
SCALE: NONE



- NOTES:
- \* DITCH SHALL HAVE MAXIMUM 3:1 SIDE SLOPES.
  - \* ROCK CHANNEL PROTECTION, WHERE SPECIFIED, SHALL BE IN ACCORDANCE WITH OUT SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND SHALL CONSIST OF 18" AND 6" ROCK ON GEO FABRIC, (TREVIRA 1120 OR APPROVED EQUAL), UPSTREAM PANEL TO OVERLAP DOWNSTREAM PANEL 3 FEET MINIMUM.
  - \* CHANNEL PROTECTION SHALL BE INCREASED AT OUTSIDE BANK WHERE DITCH CHANGES DIRECTION (2 FEET FOR 3:1 SLOPES).

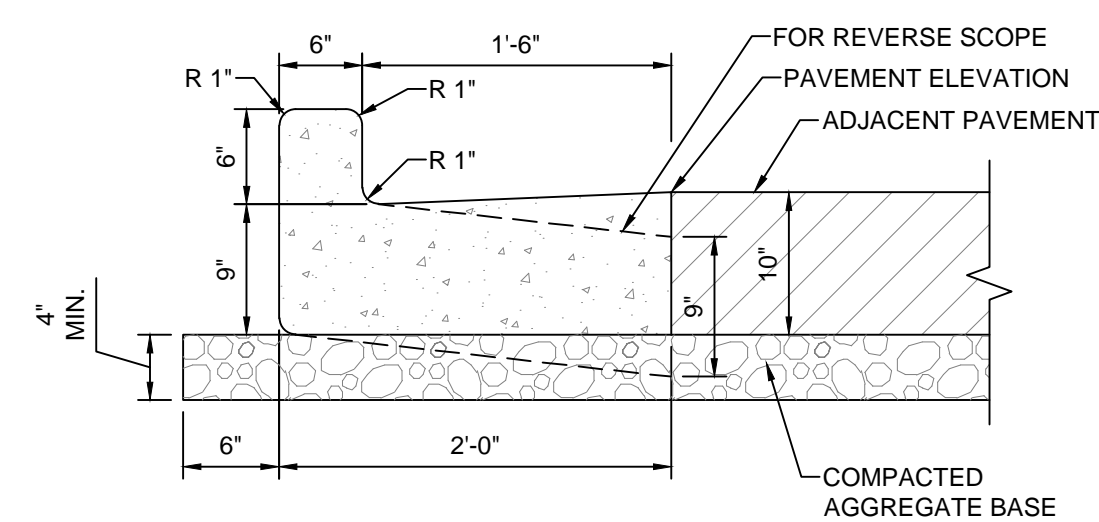
**C2 GRASS SWALE**  
SCALE: NONE



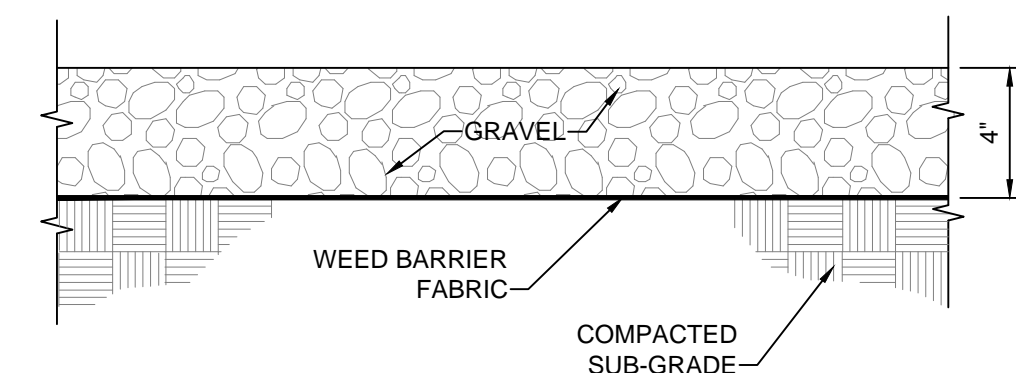
**C3 STORM SEWER BULKHEAD**  
SCALE: NONE

D INSIDE DIA. OF PIPE	L	G			
		PVC/CMP	RCP	SINGLE	DOUBLE
12"	1'-6"	1'-0"	0'-7"	4'-0"	6'-0"
15"	2'-0"	1'-0"	0'-8"	4'-3"	6'-6"
18"	2'-0"	1'-2"	0'-9"	4'-6"	7'-2"
21"	2'-6"	1'-3"	0'-10"	5'-3"	8'-4"
24"	3'-0"	1'-5"	0'-11"	6'-0"	9'-5"
30"	4'-0"	1'-8"	1'-1"	7'-6"	11'-8"
36"	5'-0"	1'-11"	1'-3"	9'-0"	13'-11"
42"	6'-0"	2'-2"	1'-5"	10'-6"	16'-2"
48"	7'-0"	2'-5"	1'-7"	12'-0"	18'-5"
54"	8'-0"	2'-8"	1'-9"	13'-6"	20'-8"
60"	9'-0"	2'-11"	1'-11"	15'-0"	22'-11"

NOTE:  
CONCRETE SHALL BE CLASS 'B' 2500 PSI  
UNLESS OTHERWISE SHOWN IN PLANS



**B1 CONCRETE CURB AND GUTTER**  
SCALE: NONE

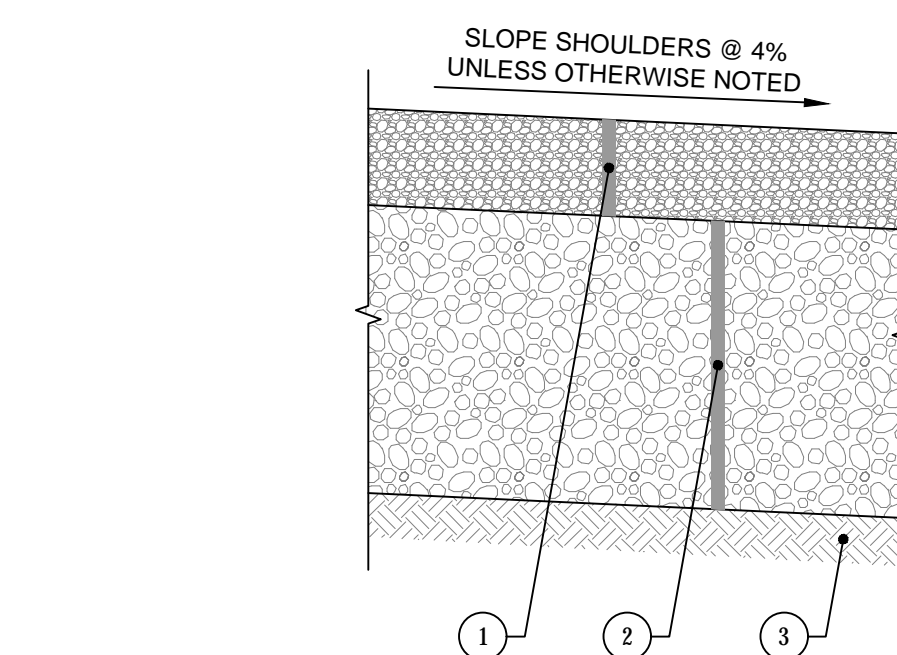


- NOTES:
- GRAVEL SHALL BE A COARSE WASHED GRAVEL MEETING THE FOLLOWING GRADATION.

SIEVE SIZE	TOTAL % PASSING
3"	100
2 1/2"	90 - 100
2"	35 - 70
1 1/2"	0 - 15
3/4"	0 - 5

2. WEED BARRIER FABRIC SHALL BE NONWOVEN, NEEDLE-PUNCHED, HEAT BONDED POLYPROPYLENE GEOTEXTILE FABRIC.

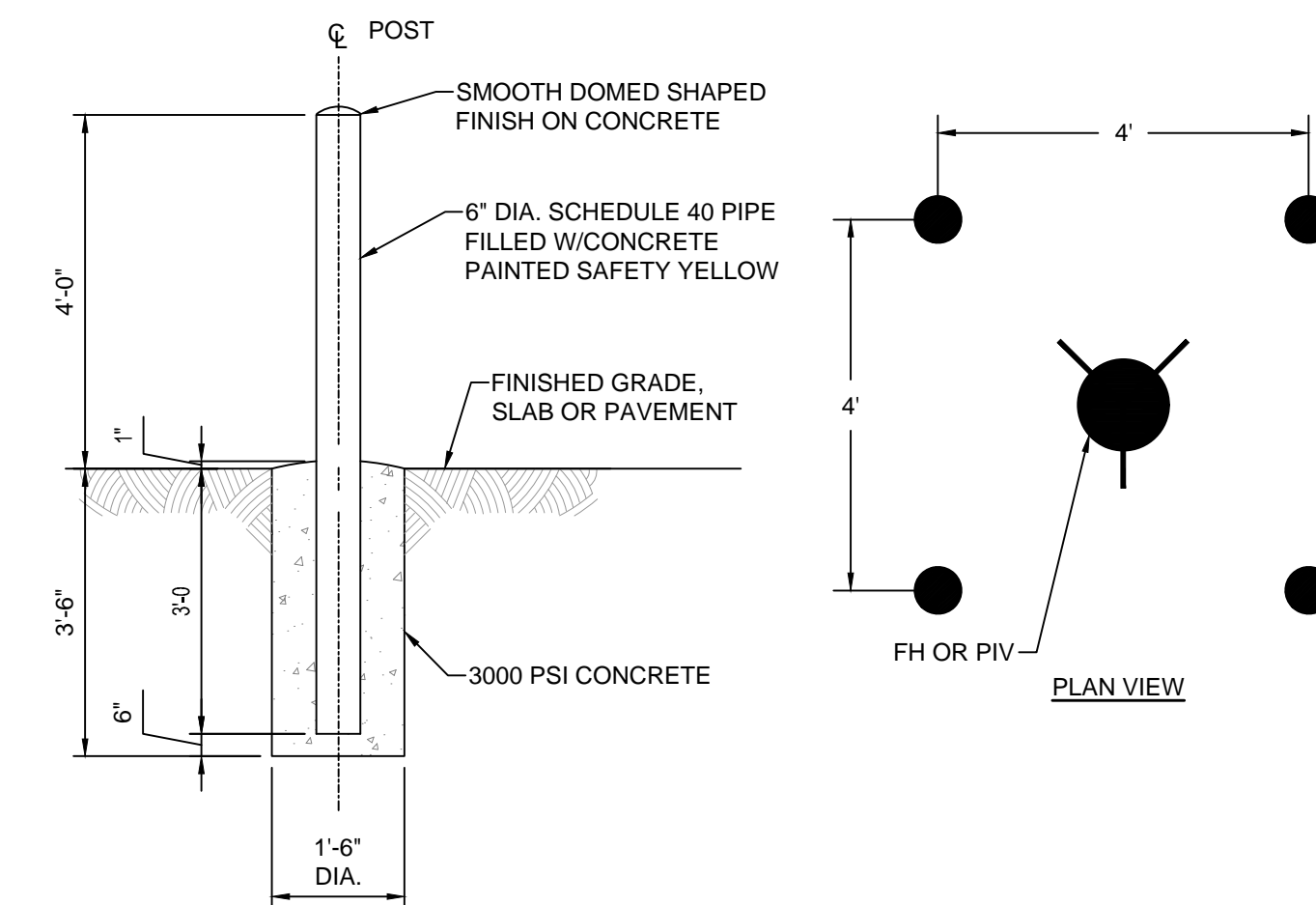
**B2 STONE DUST CONTROL**  
SCALE: NONE



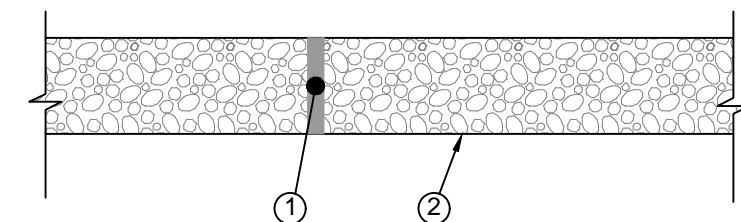
1. 6" COARSE AGGREGATE PER TXDOT ITEM 302, GRADE 1, CRUSHED LIMESTONE  
2. 18" AGGREGATE SUBBASE COURSE PER TXDOT ITEM 247, TYPE A, GRADE 1 OR 2 (PLACE IN 3 EQUAL COMPACTED LIFTS)  
3. SUBGRADE COMPACTION

- NOTES: 1. SUBGRADE TO BE CONSTRUCTED ACCORDING TO THE EITL GEOTECHNICAL INVESTIGATION DATED 3-13-2013

**B3 GRAVEL SHOULDER**  
SCALE: NONE



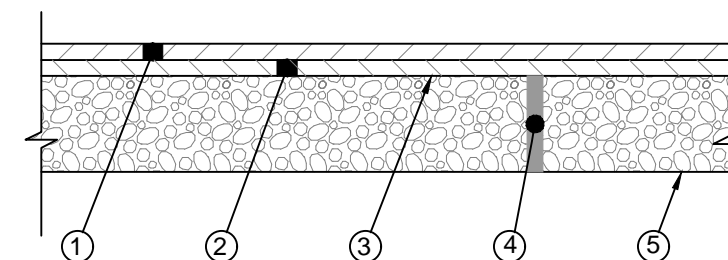
**B4 BOLLARD**  
SCALE: NONE



1. 12" CRUSHED STONE BASE TXDOT ITEM 247 TYPE A GRADE 2 (COMPACTED TO 95% MODIFIED PROCTOR)  
2. LIME TREATED SUBGRADE, TXDOT ITEM 260, "LIME TREATMENT FOR MATERIALS USED AS SUBGRADE (ROAD MIXED)"

- NOTES: 1. PAVEMENT AND SUBGRADE TO BE CONSTRUCTED ACCORDING TO THE EITL GEOTECHNICAL INVESTIGATION DATED 3-13-2013

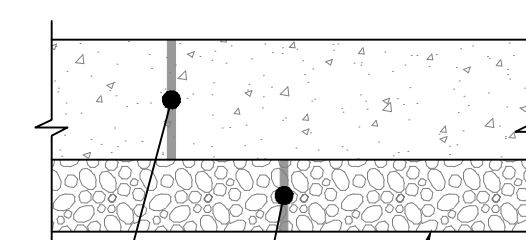
**A1 GRAVEL PAVEMENT**  
SCALE: NONE



1. 2" HOT MIX ASPHALTIC CONCRETE SURFACE - TXDOT ITEM 340 TYPE D  
2. 2.5" HOT MIX ASPHALTIC CONCRETE BASE TXDOT ITEM 340 TYPE C  
3. PRIME COAT (0.35 GAL/SQ. YD.) RT-2, RT-3, RC-250 OR MC-250  
4. 7" CRUSHED STONE BASE TXDOT ITEM 247 TYPE A GRADE 2 (COMPACTED TO 95% MODIFIED PROCTOR)  
5. LIME TREATED SUBGRADE, TXDOT ITEM 260, "LIME TREATMENT FOR MATERIALS USED AS SUBGRADE (ROAD MIXED)"

- NOTES: 1. PAVEMENT AND SUBGRADE TO BE CONSTRUCTED ACCORDING TO THE EITL GEOTECHNICAL INVESTIGATION DATED 3-13-2013

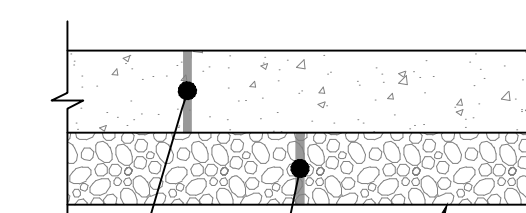
**A2 ASPHALT PAVEMENT**  
SCALE: NONE



1. 7" (9" AT EDGE) 3500 PSI NON-REINFORCED CONCRETE PAVEMENT  
2. 4" CRUSHED STONE BASE TXDOT ITEM 247 TYPE A GRADE 2 (COMPACTED TO 95% MODIFIED PROCTOR)  
3. LIME TREATED SUBGRADE, TXDOT ITEM 260, "LIME TREATMENT FOR MATERIALS USED AS SUBGRADE (ROAD MIXED)"

- NOTES: 1. PAVEMENT AND SUBGRADE TO BE CONSTRUCTED ACCORDING TO THE EITL GEOTECHNICAL INVESTIGATION DATED 3-13-2013

**A3 CONCRETE PAVEMENT**  
SCALE: NONE



1. 6" 3500 PSI NON-REINFORCED PORTLAND CEMENT CONCRETE SIDEWALK  
2. 4" CRUSHED STONE BASE TXDOT ITEM 247 TYPE A GRADE 2 (COMPACTED TO 95% MODIFIED PROCTOR)  
3. 12" SCARIFIED, MOISTURE CONDITIONED AND RE-COMPACTED SUBGRADE

- NOTES: 1. CONTROL JOINT SPACING @ 5'-0" MAX  
2. EXPANSION JOINT SPACING @ 25'-0"

**A4 CONCRETE SIDEWALK**  
SCALE: NONE



CONSULTANTS:

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PROJECT INFORMATION:

**PRODUCTION FACILITY EXPANSION**  
3500 WASHINGTON ST.  
TEXARKANA, AR

CLIENT INFORMATION:

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900 Lima Ave.  
Findlay, Ohio  
45840

CLIENT PROJECT NO: **TEX-16023**

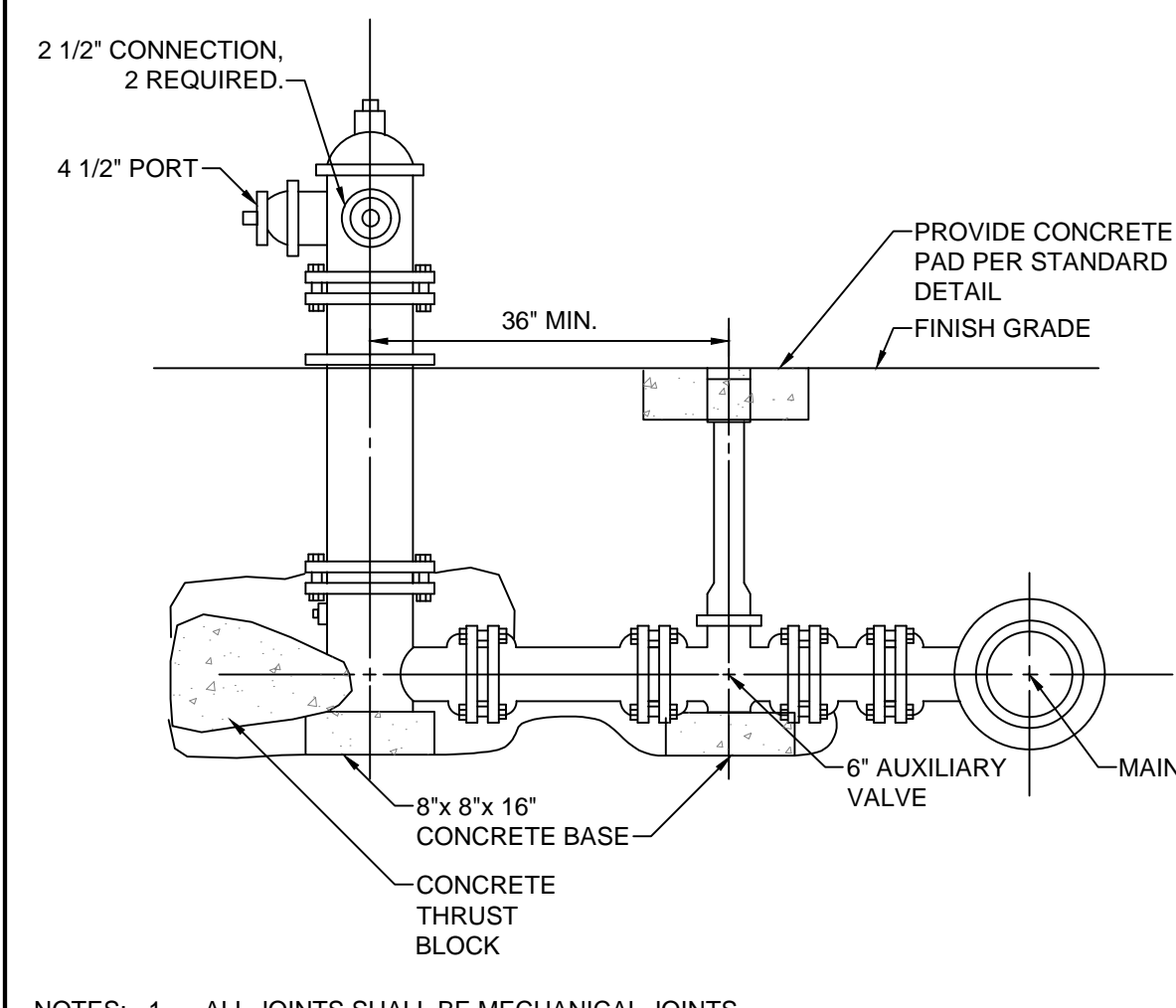
NO.	DATE	SUBJECT
3	02/26/20	ISSUE FOR PERMITS
2	02/20/20	ADDENDUM 6
1	01/10/20	ISSUE FOR BIDS
REVISION OR ISSUE		

**SSOE, Inc.**  
2204 Lakeshore Drive Suite 110  
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T. (205) 323-2373

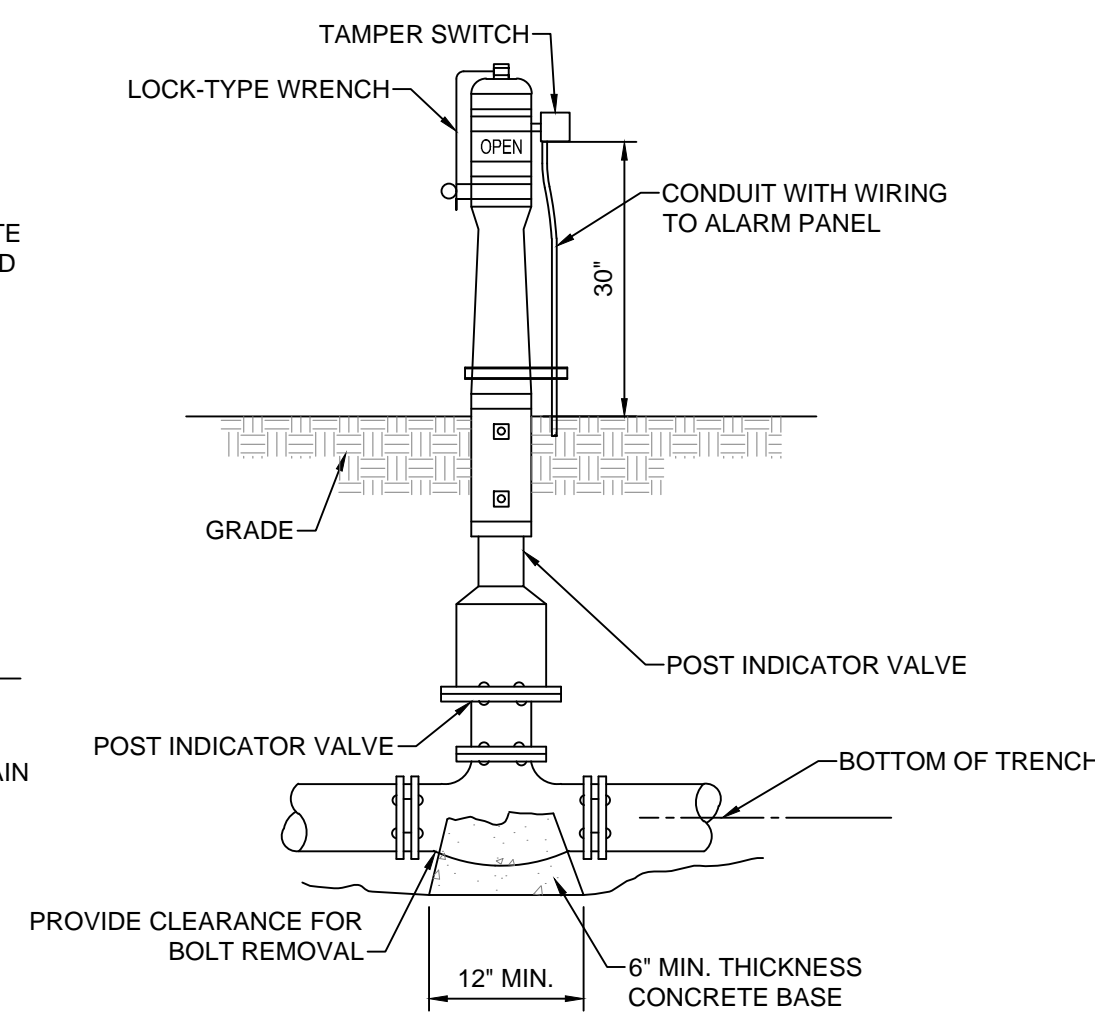
PROJECT NO: **020-00082-00**  
PROJECT MANAGER: S. DUNN  
DESIGNED: J. MARSH  
CHECKED: C. HARTMAN

DRAWING TITLE:  
**SITE DETAILS**

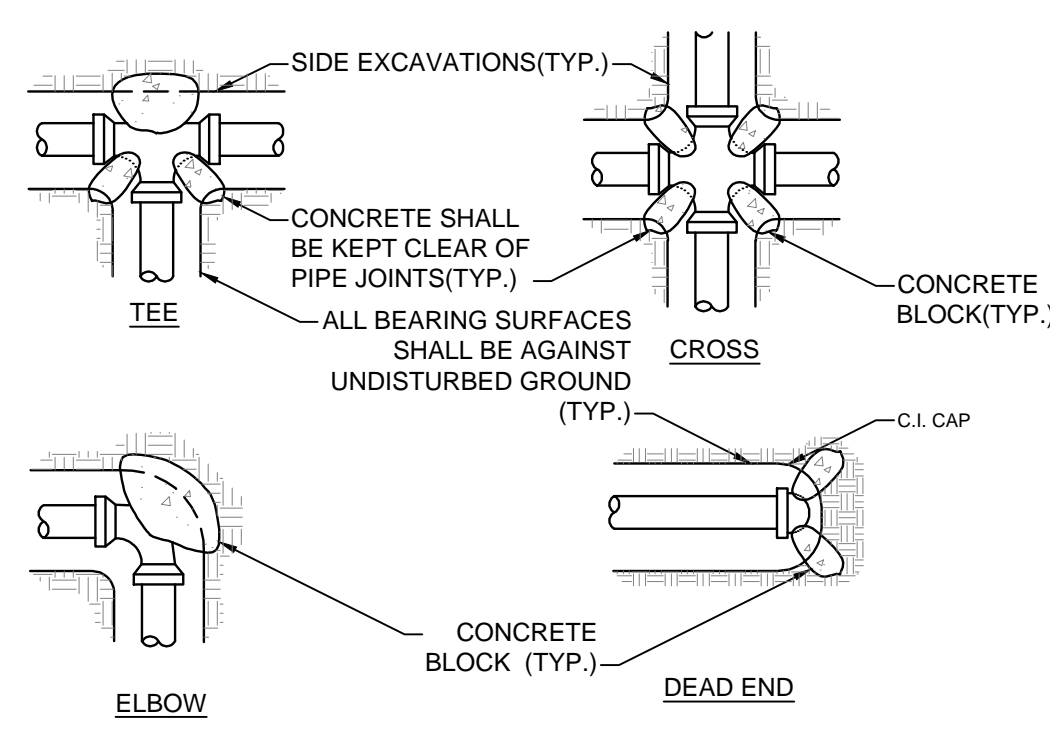
DRAWING NO:  
**CS-501**



**C1 FIRE HYDRANT ASSEMBLY**  
SCALE: NONE

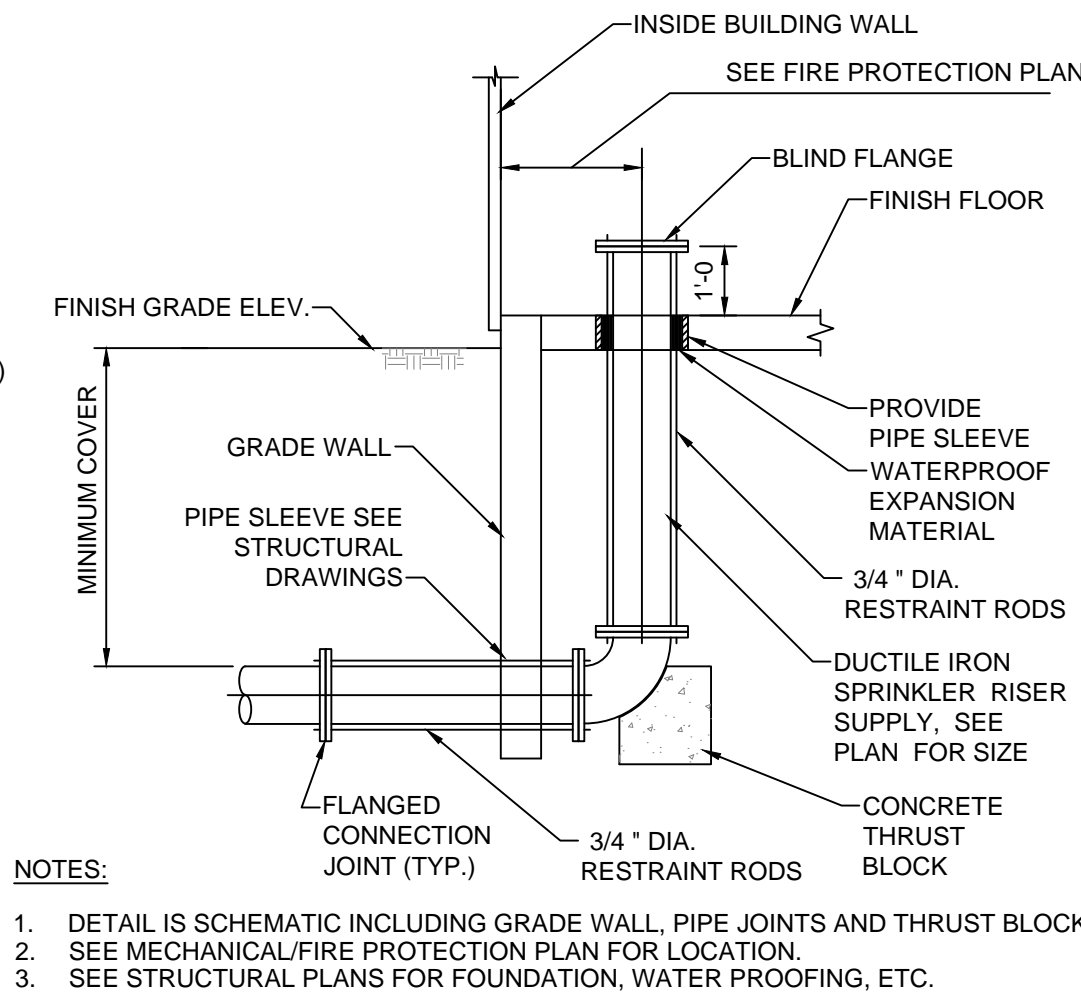


**C2 POST INDICATOR & VALVE**  
SCALE: NONE

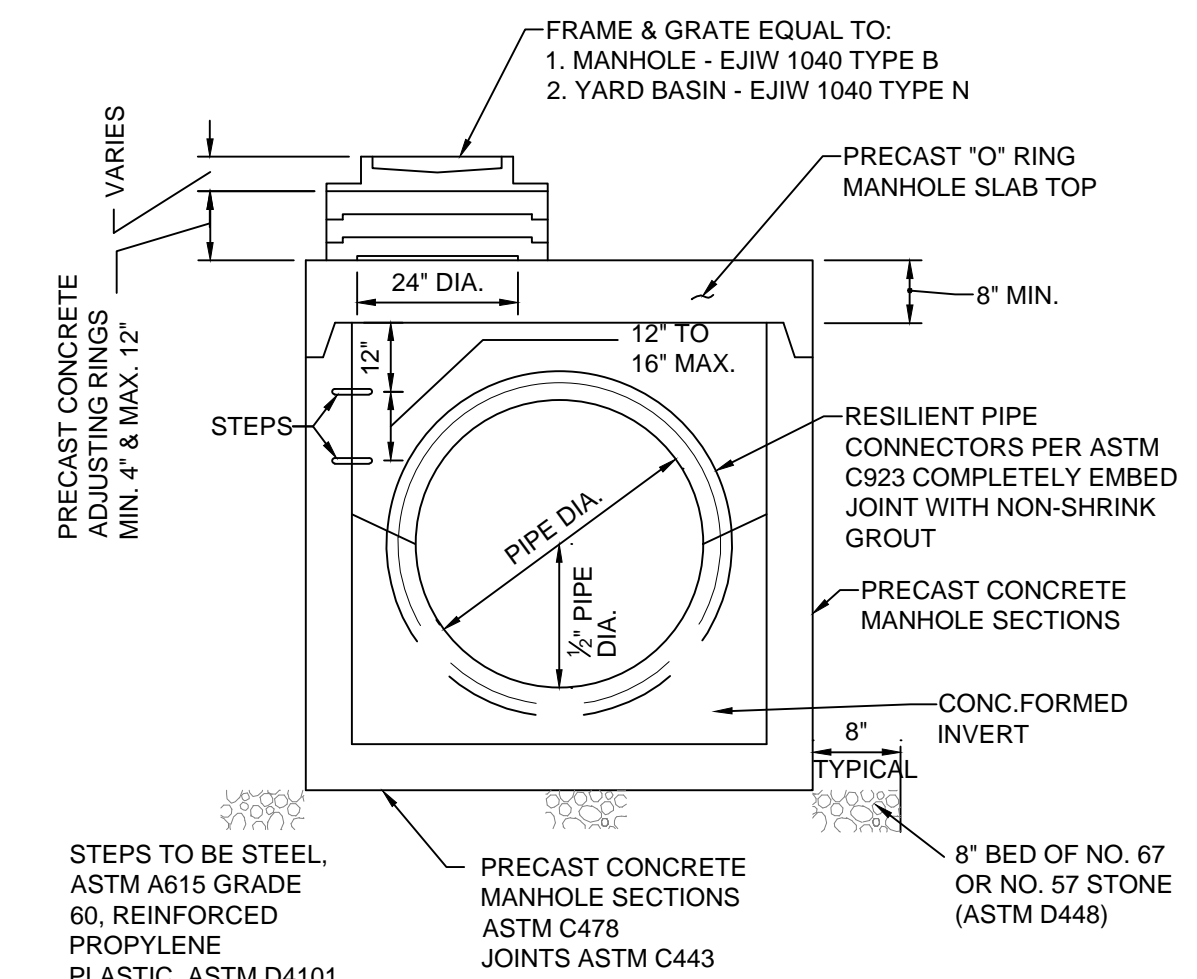


PIPE SIZE	BEARING AREAS EACH DIRECTION OF THRUST IN SQUARE FEET			
	TEES & DEADENDS	90° ELBOWS	45° ELBOWS IN DIRECTION OF FLOW	22-1/2° ELBOWS
6"	4.0	5.5	3.0	2.0
8"	7.0	9.5	5.0	3.0
10"	9.5	13.5	7.0	4.0
12"	13.5	19.0	10.0	5.0
14"	18.0	23.5	14.0	7.0
16"	23.0	33.0	18.0	9.0

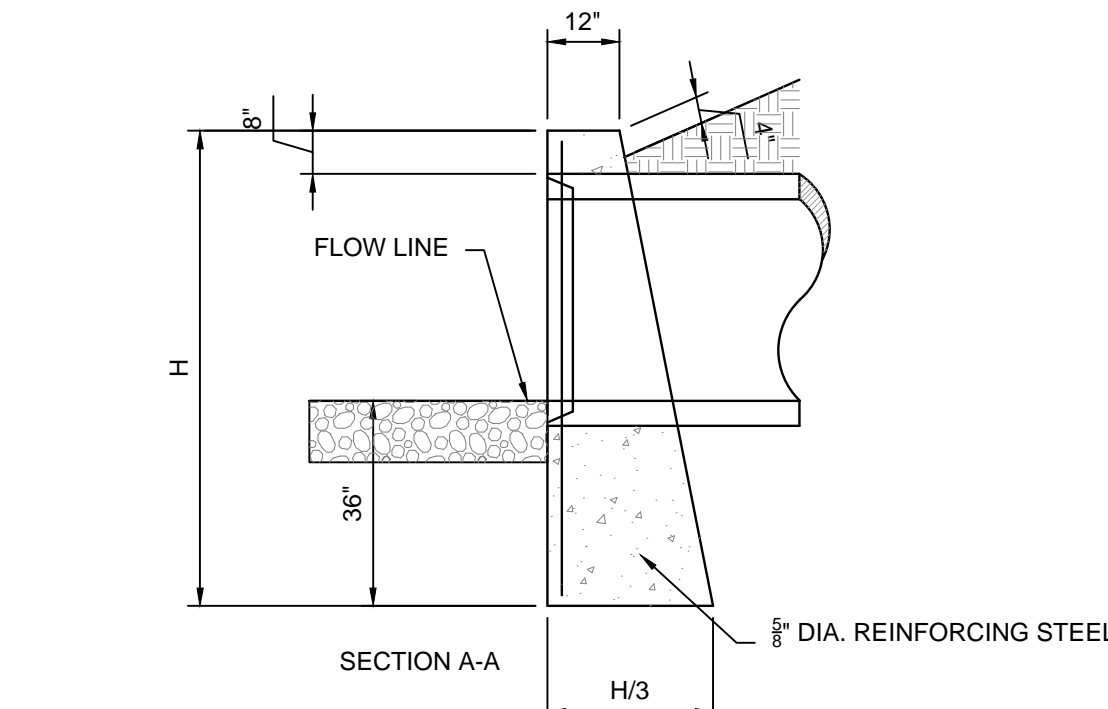
**C3 THRUST BLOCK INSTALLATION**  
SCALE: NONE



**C4 FIRE / WATER RISER CONNECTION**  
SCALE: NONE



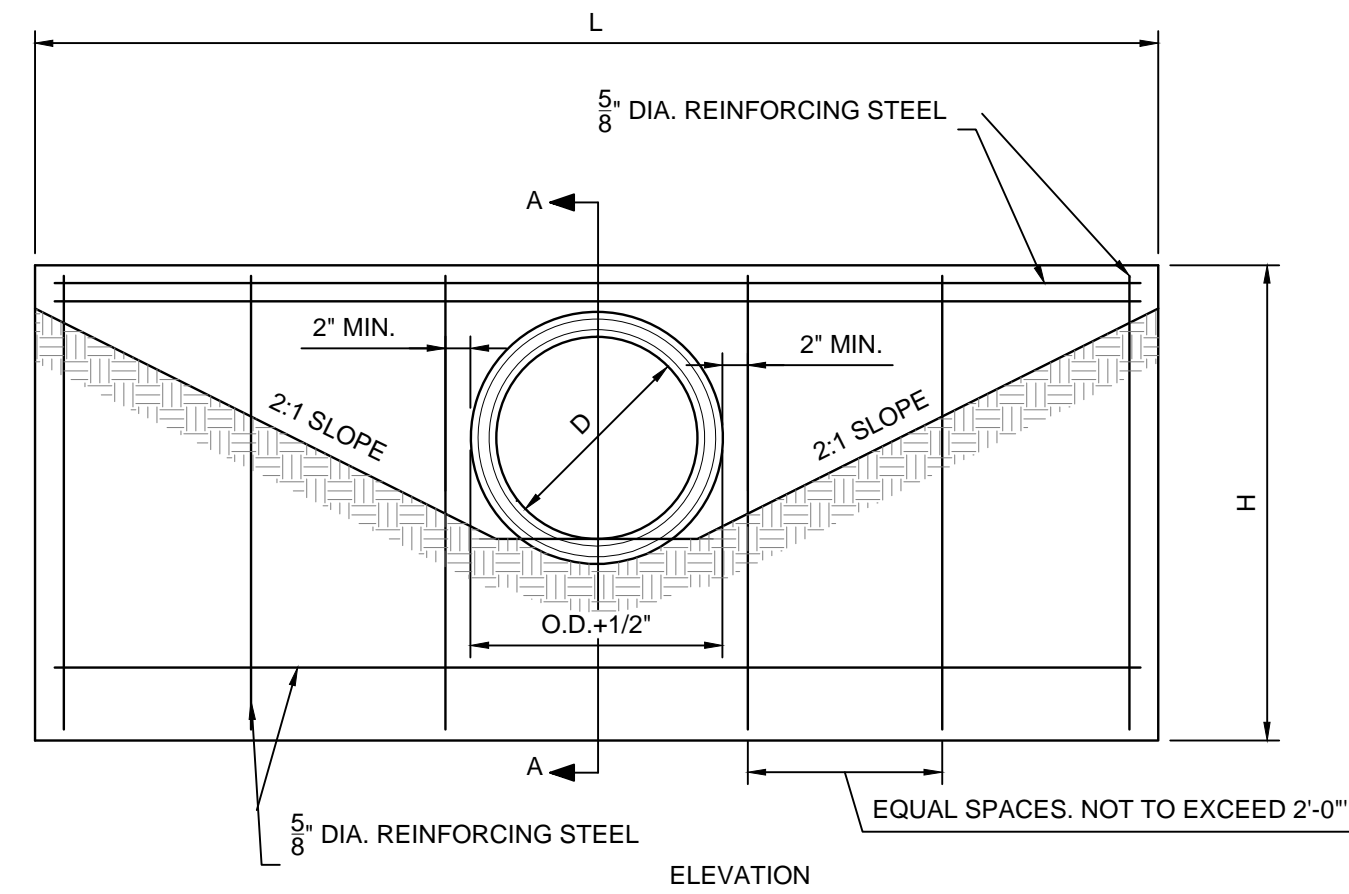
**C5 SHALLOW CATCH BASIN AND STORM MANHOLE**  
SCALE: NONE



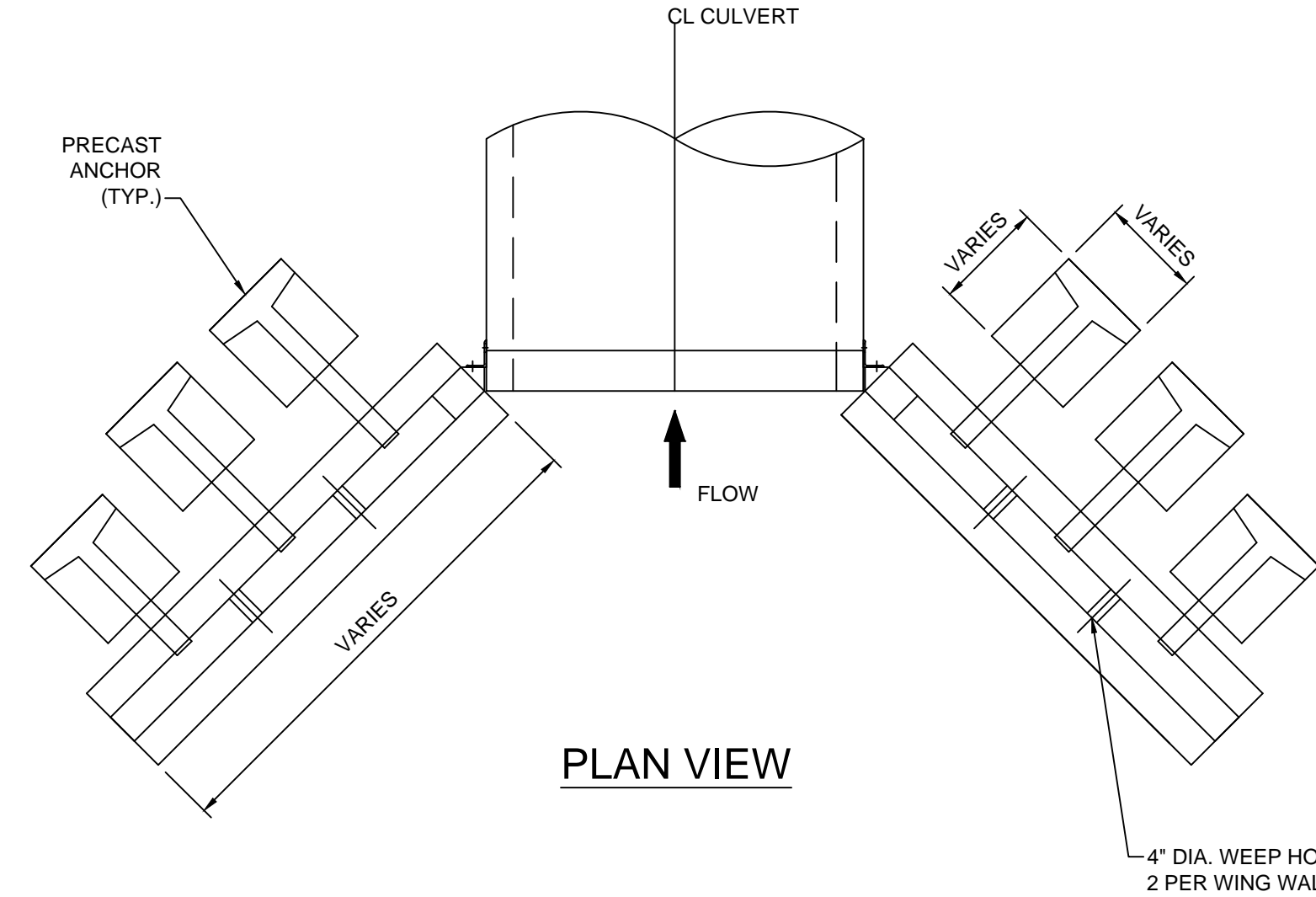
DIMENSIONS		
DIAMETER	H	L
12"	4'-10"	5'-8"
15"	5'-2"	7'-0"
18"	5'-5"	8'-4"
24"	5'-11"	11'-0"
27"	6'-3"	12'-7"
30"	6'-5"	13'-8"
36"	7'-1"	16'-8"

L - CIRCULAR SECTION = 5D + 4t  
H - CIRCULAR SECTION = D + t + 44"  
D = DIAMETER OF PIPE  
O.D. = OUTSIDE DIAMETER OF PIPE  
t = THICKNESS OF BARREL  
L = LENGTH OF HEADWALL  
H = HEIGHT OF HEADWALL

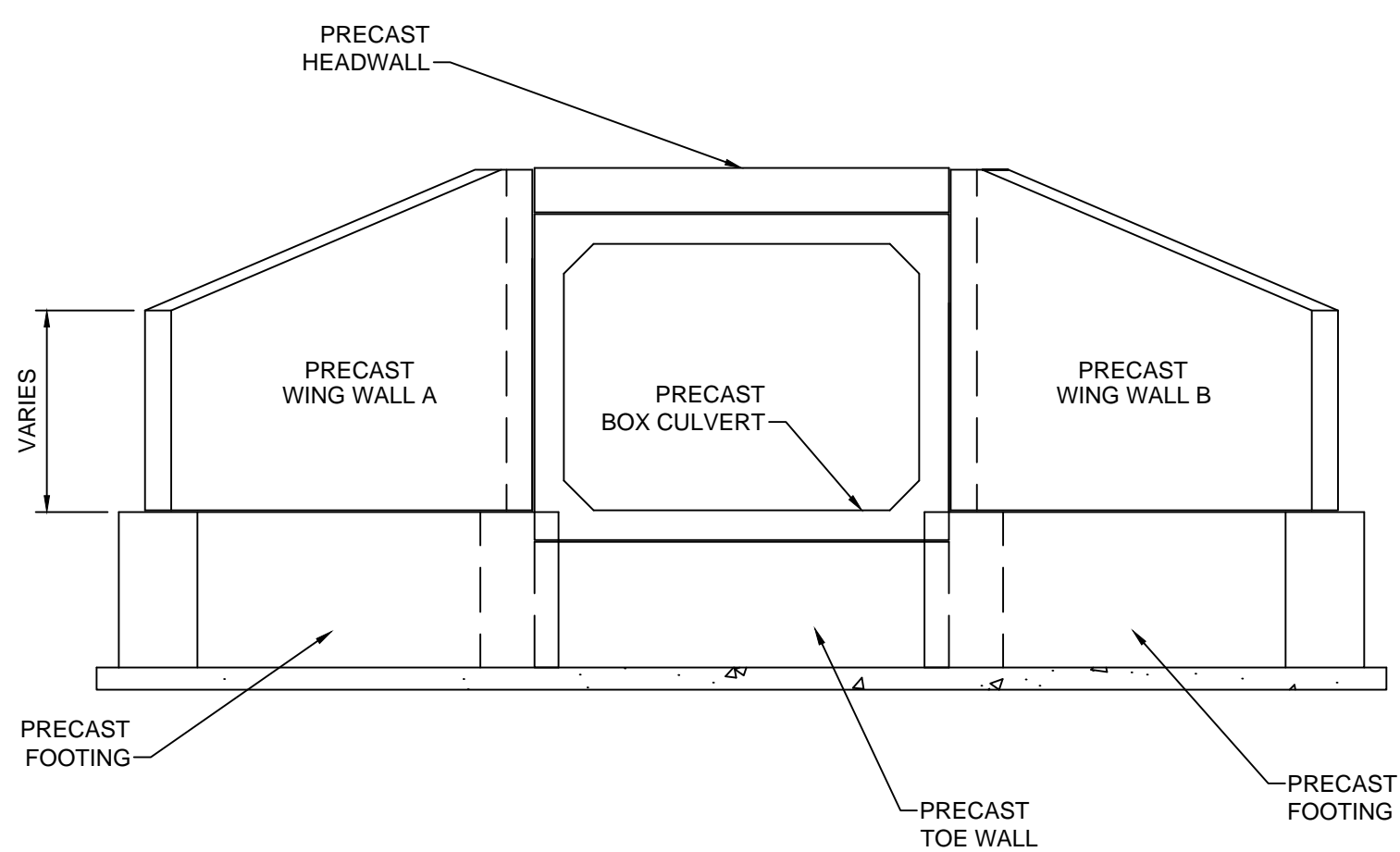
**B1 HEADWALL**  
SCALE: NONE



NOTES: 1. CONCRETE SHALL BE 4000 PSI  
2. REINFORCING STEEL BARS SHALL BE 5/8 INCH ROUND, EPOXY COATED.  
3. CHAMFER ALL EXPOSED CORNERS 1/4 OF AN INCH.  
4. FOUNDATION - WHERE THE SOIL BORINGS INDICATE A BEARING CAPACITY OF LESS THAN 2800 POUNDS PER SQUARE FOOT IT WILL BE NECESSARY TO INCREASE THE WIDTH OF THE FOOTING.



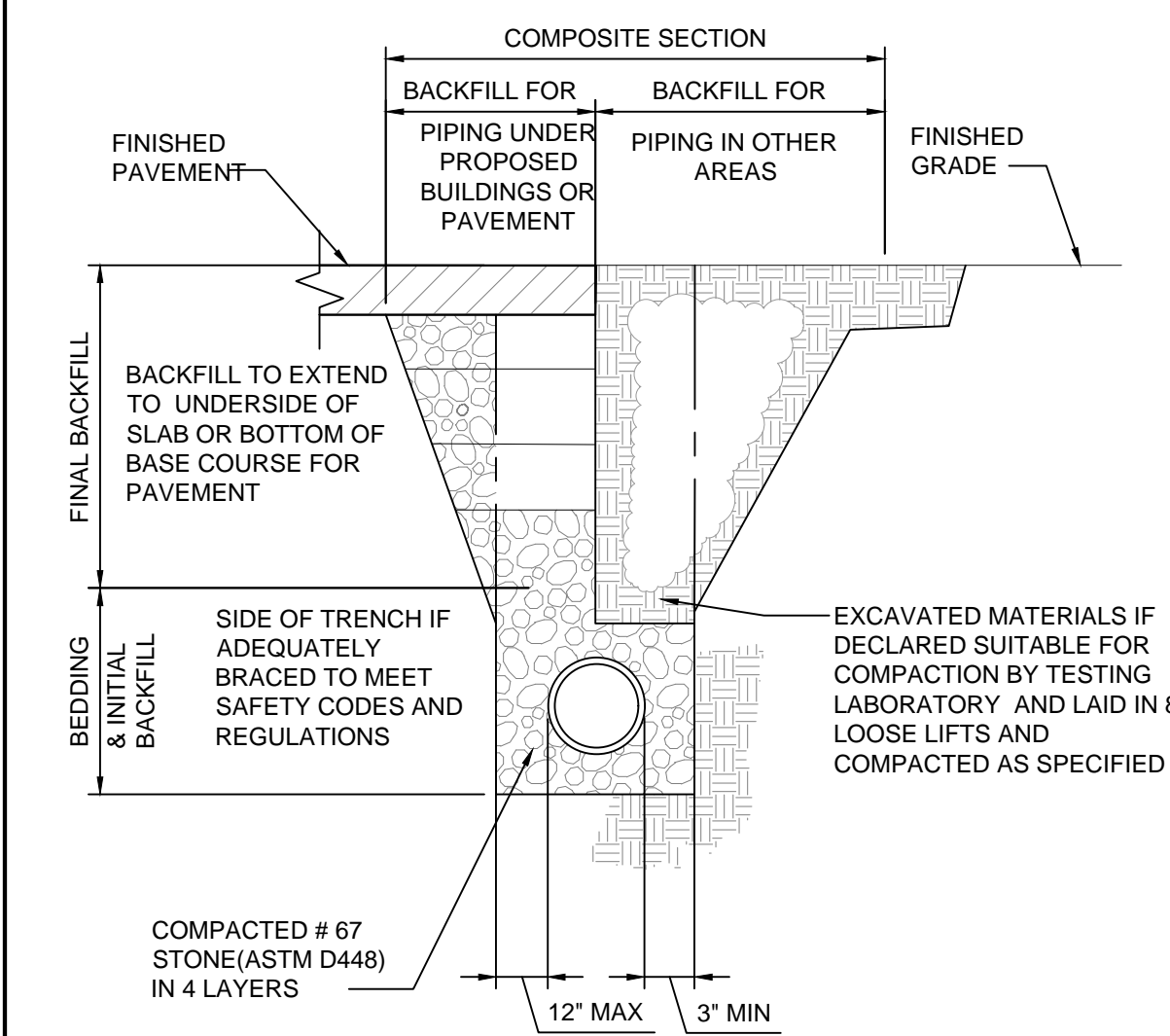
**PLAN VIEW**



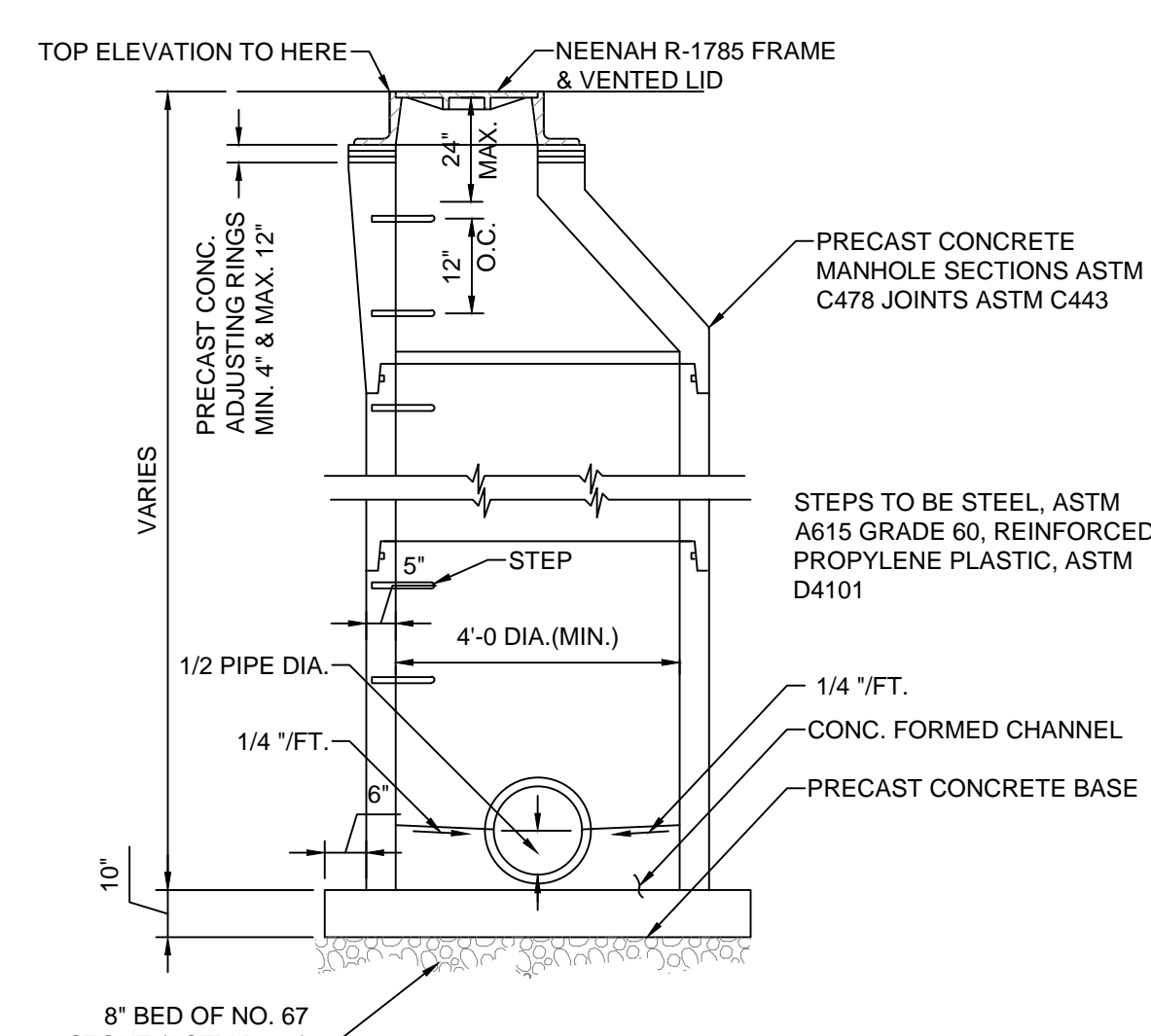
**ELEVATION VIEW**

NOTES: 1. TYPICAL PRECAST COMPONENTS ARE: WINGS WITH ANCHORS, HEADER, FOOTINGS, & TOE WALL.

**A3 PRECAST WING WALL COMPONENTS FOR BOX CULVERT**  
SCALE: NONE



**B3 PIPE BEDDING AND BACKFILL**  
SCALE: NONE



**A2 STORM MANHOLE**  
SCALE: NONE



CONSULTANTS:

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3500 WASHINGTON ST.  
TEXARKANA, AR

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**COOPER TIRE**  
900 Lima Ave.  
Findlay, Ohio  
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CLIENT PROJECT NO: **TEX-16023**

NO.	DATE	SUBJECT
3	02/26/20	ISSUE FOR PERMITS
2	02/20/20	ADDENDUM 6
1	01/10/20	ISSUE FOR BIDS

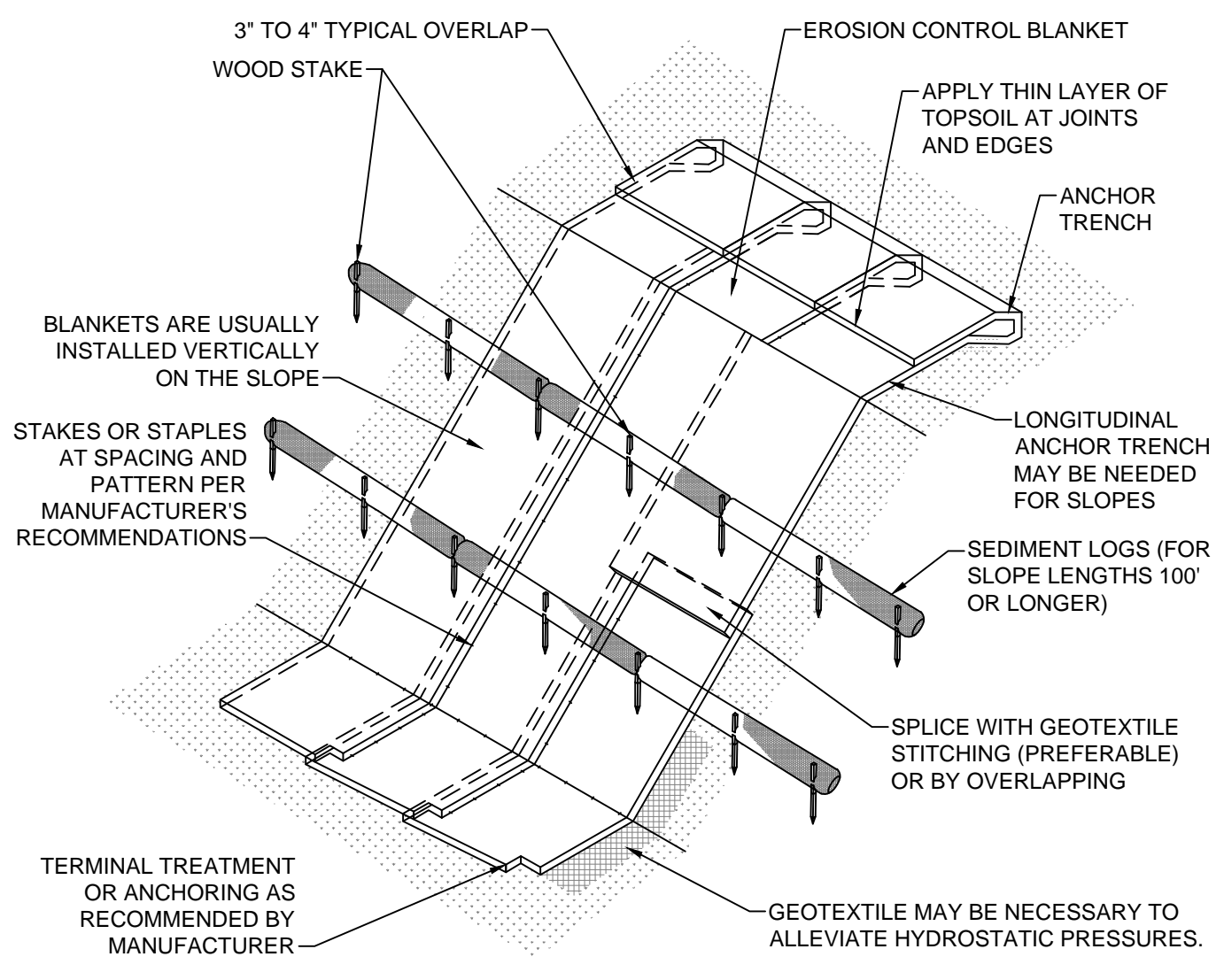
NO. DATE SUBJECT REVISION OR ISSUE

**SSOE, Inc.**  
2204 Lakeshore Drive Suite 110  
Homewood, AL 35209  
T. (205) 323-2373

PROJECT NO: **020-00082-00**  
PROJECT MANAGER: S. DUNN  
DESIGNED: J. MARSH  
CHECKED: C. HARTMAN

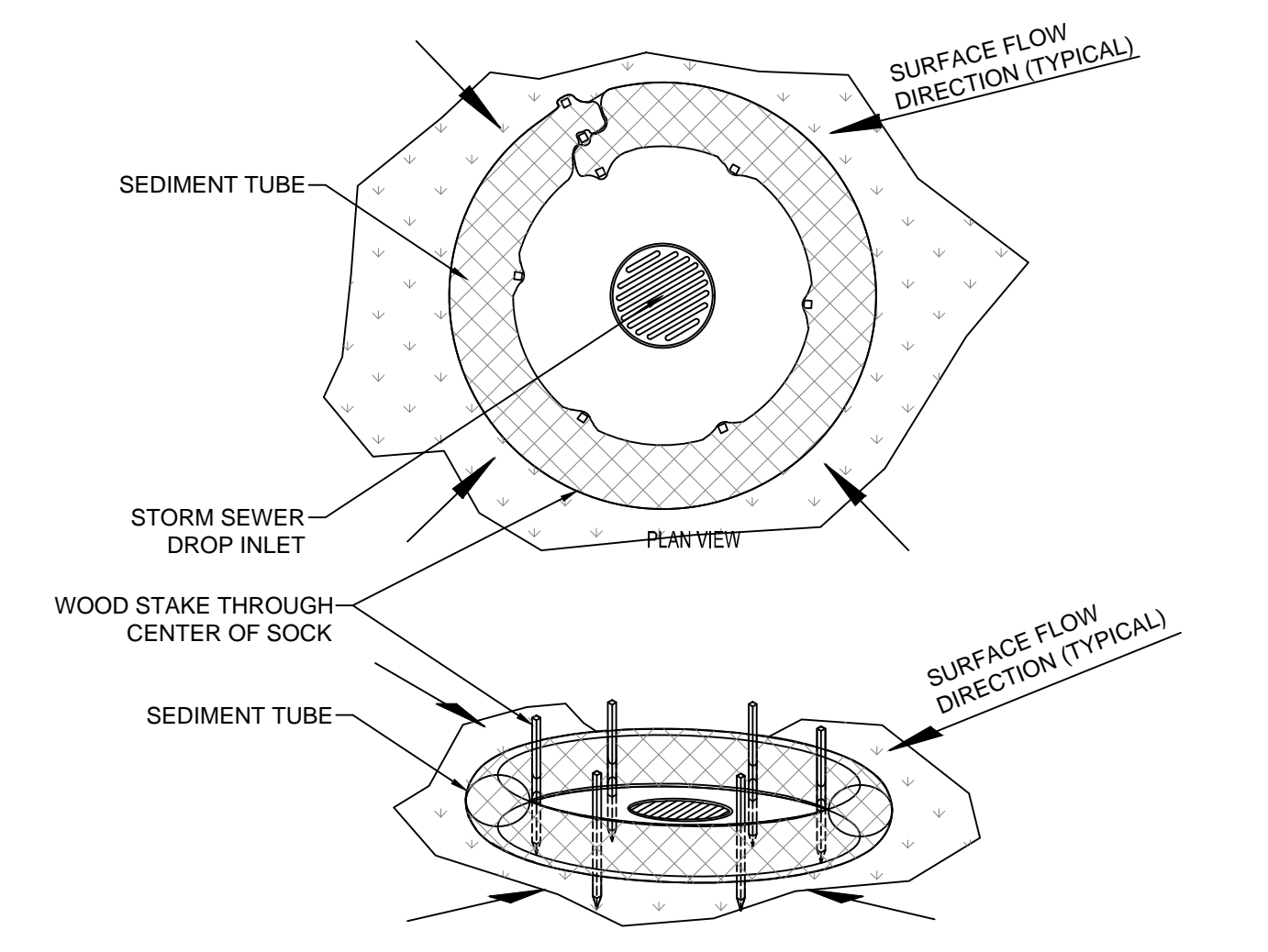
DRAWING TITLE:  
**UTILITY DETAILS**

DRAWING NO:  
**CS-502**

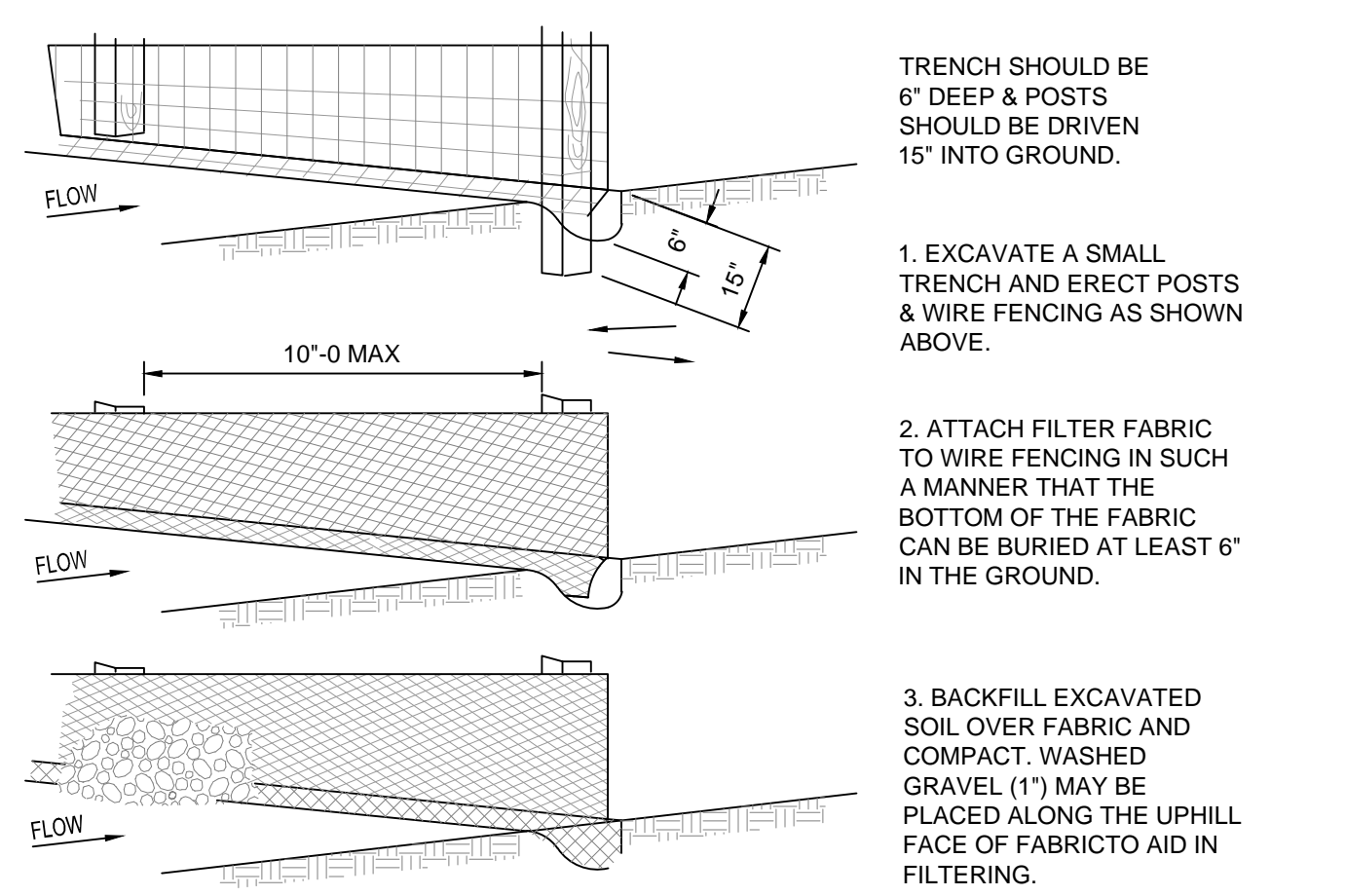


FASTENING AND PINNING FOR EROSION CONTROL BLANKET TO BE AS SHOWN ABOVE AS WELL AS PINNING IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS

**C1 EROSION CONTROL BLANKET**  
SCALE: NONE

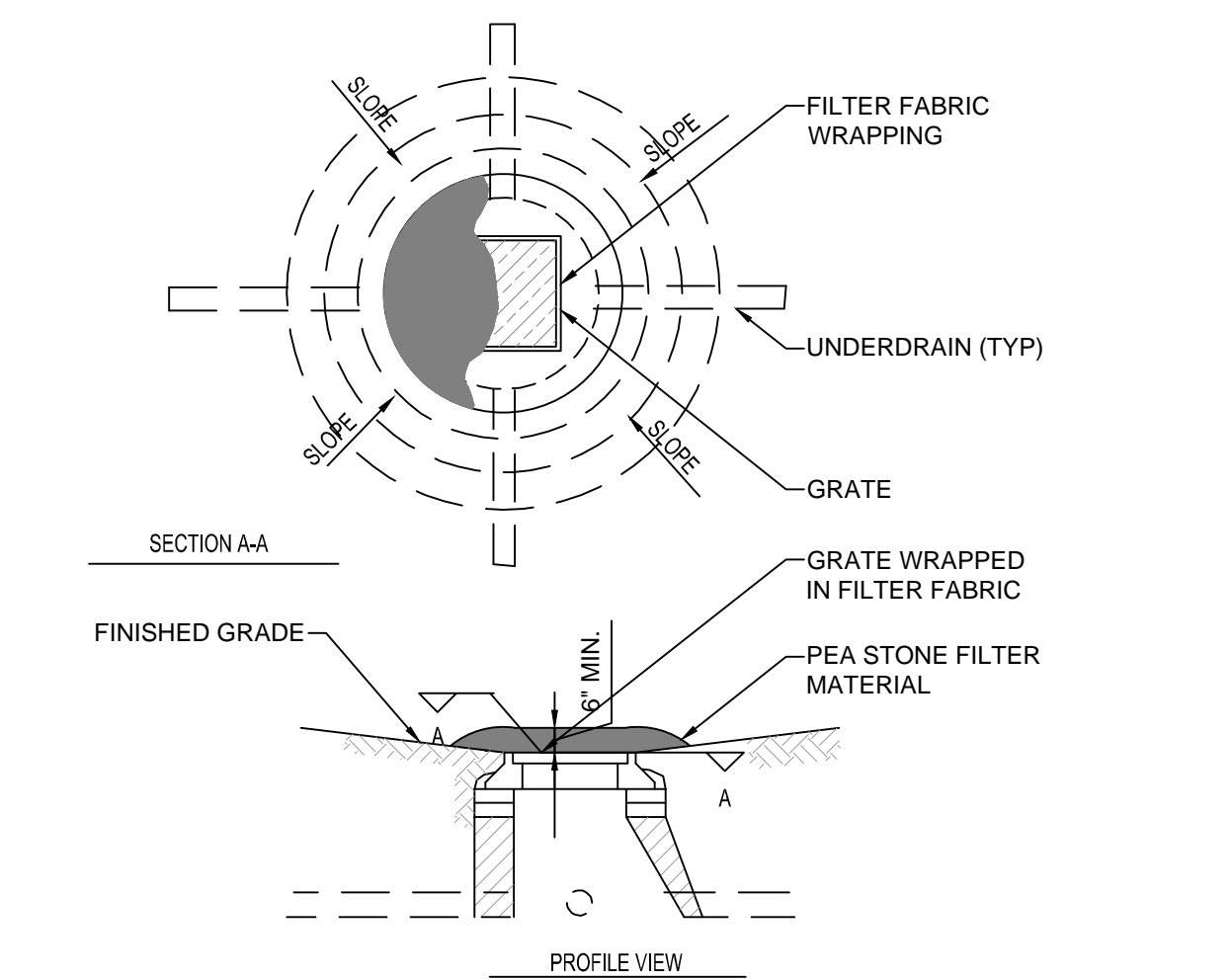


**B1 INLET PROTECTION-DROP INLET**  
SCALE: NONE



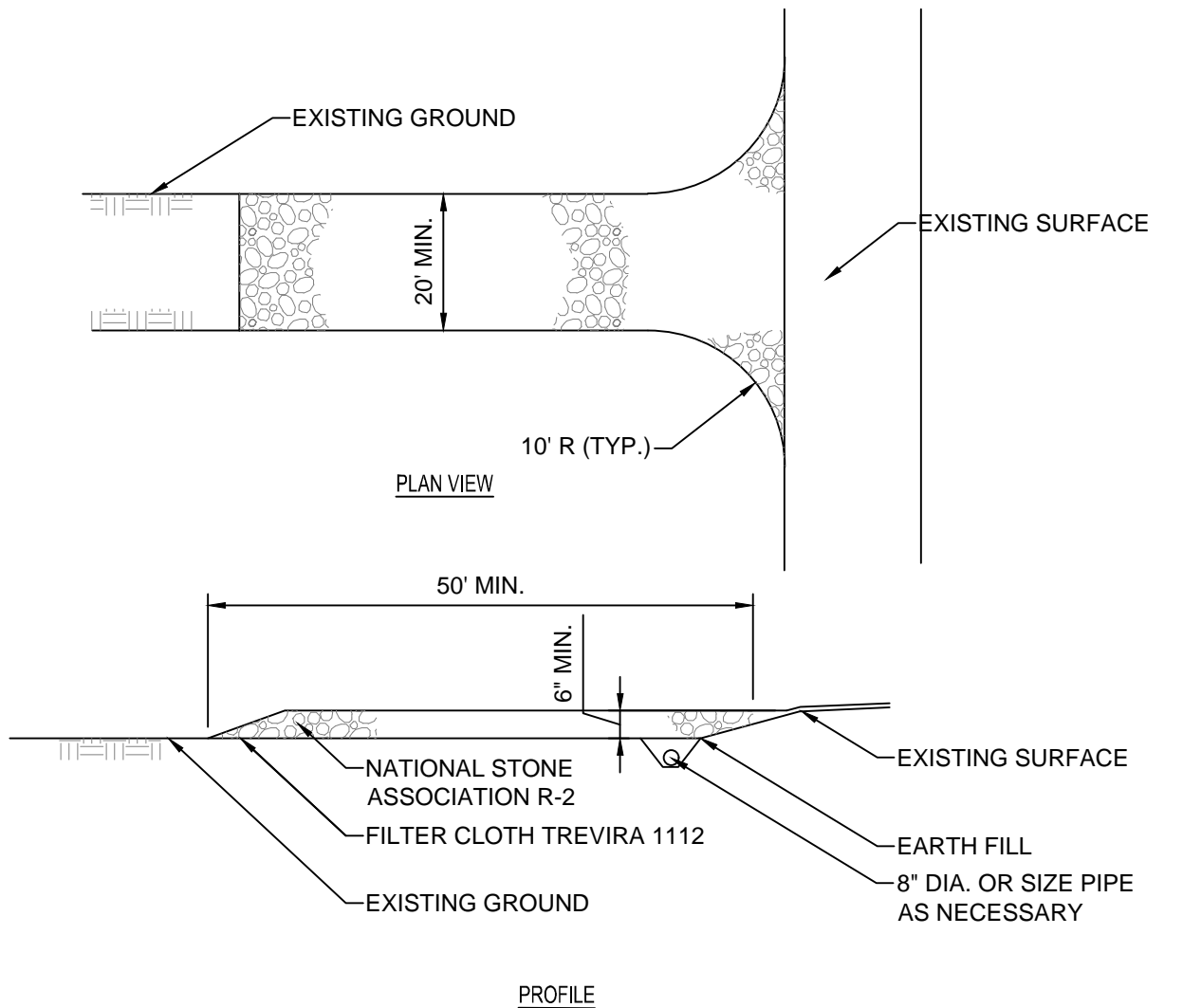
MAINTENANCE: SILT FENCE SHOULD BE INSPECTED AFTER EACH RAINFALL AND SEDIMENT DEPOSITS MUST BE REMOVED WHEN THEY REACH A MAX. OF 1/3 HEIGHT OF THE FENCE. DETERIORATED FABRICS MUST BE REPLACED IMMEDIATELY.

**A1 SILT FENCE**  
SCALE: NONE

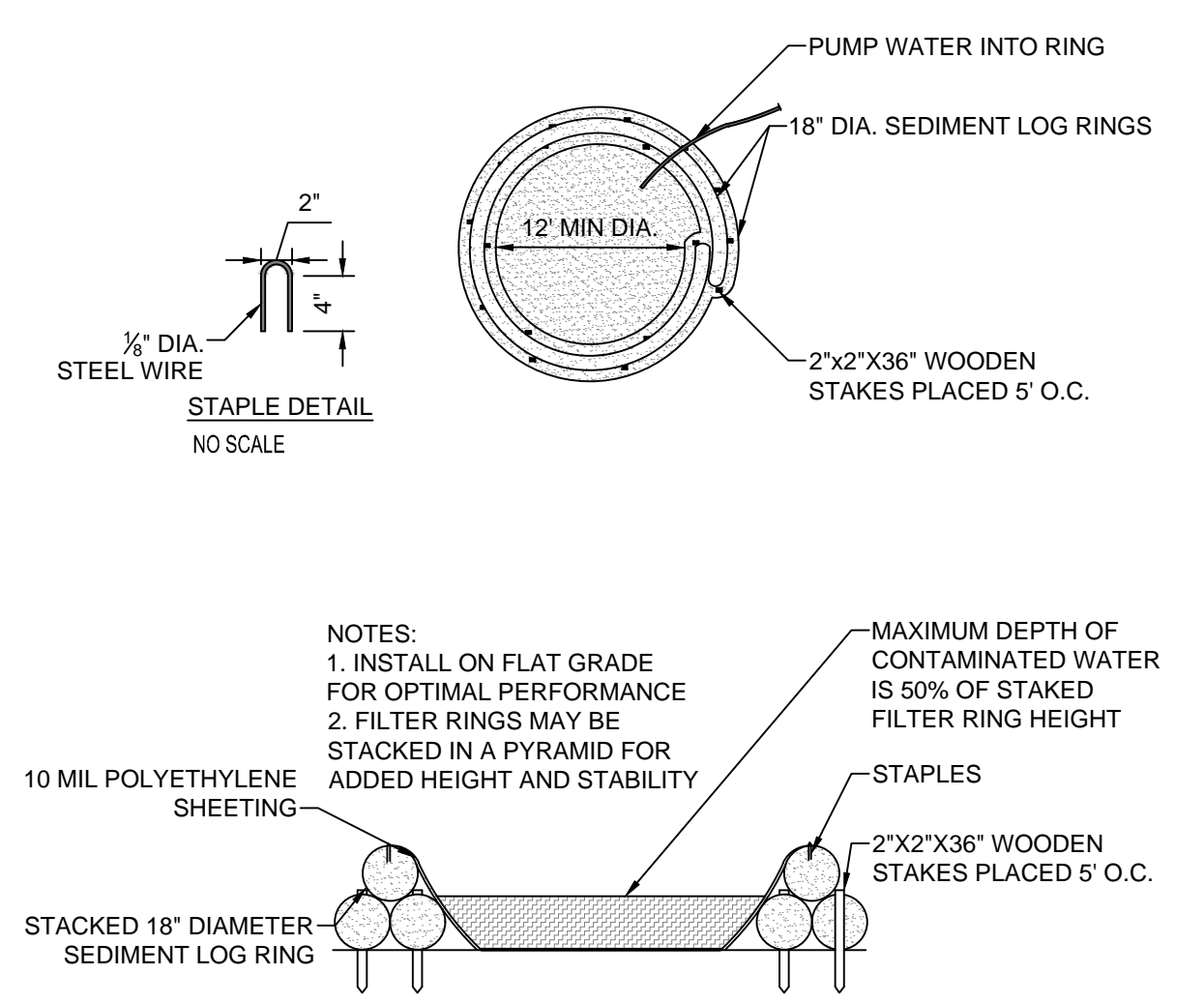


NOTES: 1. AT DRAINAGE STRUCTURES LOCATED IN PAVED/CURBED AREAS 'SILTSACK' FILTER BASKET OR APPROVED EQUAL MAY BE INSTALLED IN LIEU OF STONE INLET FILTER AFTER PAVEMENT INSTALLATION.

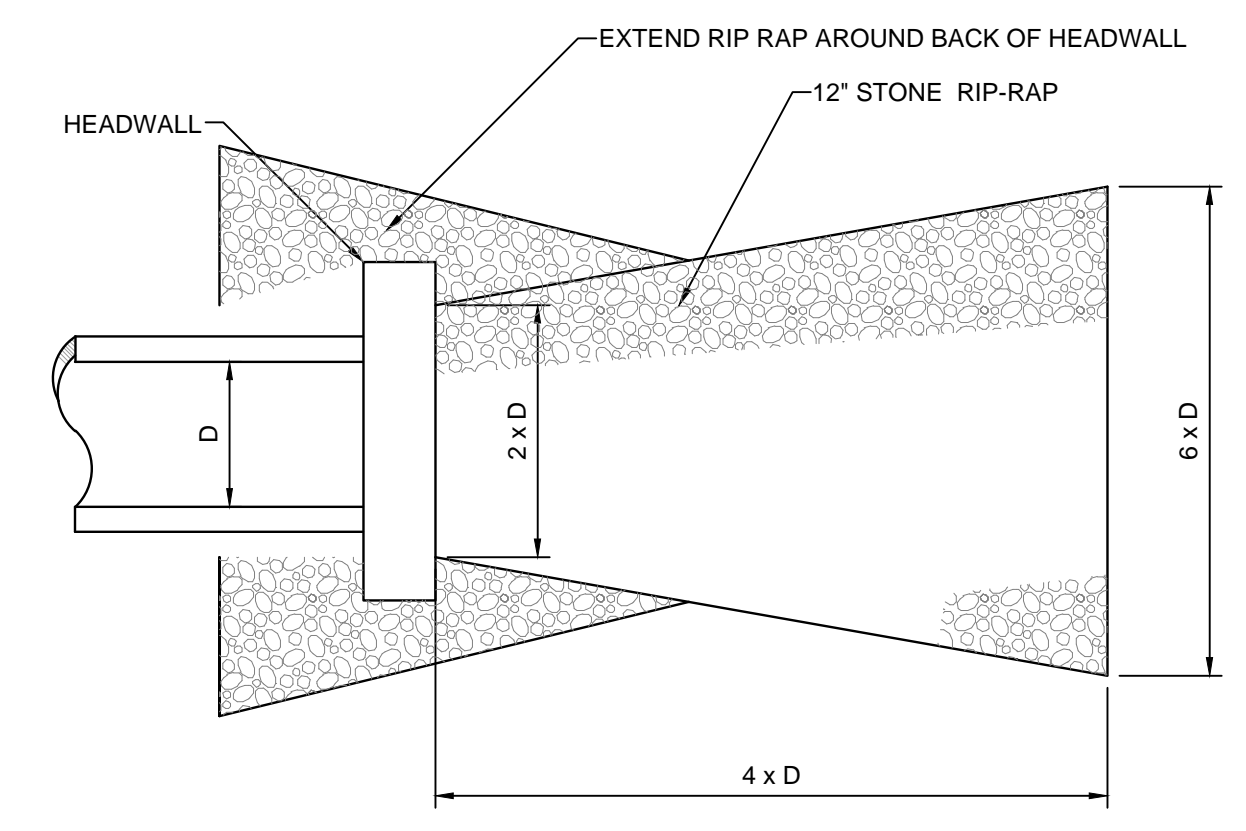
**B2 INLET FILTER-AFTER FINAL GRADE**  
SCALE: NONE



**A2 STABILIZED CONSTRUCTION ENTRANCE/EXIT**  
SCALE: NONE

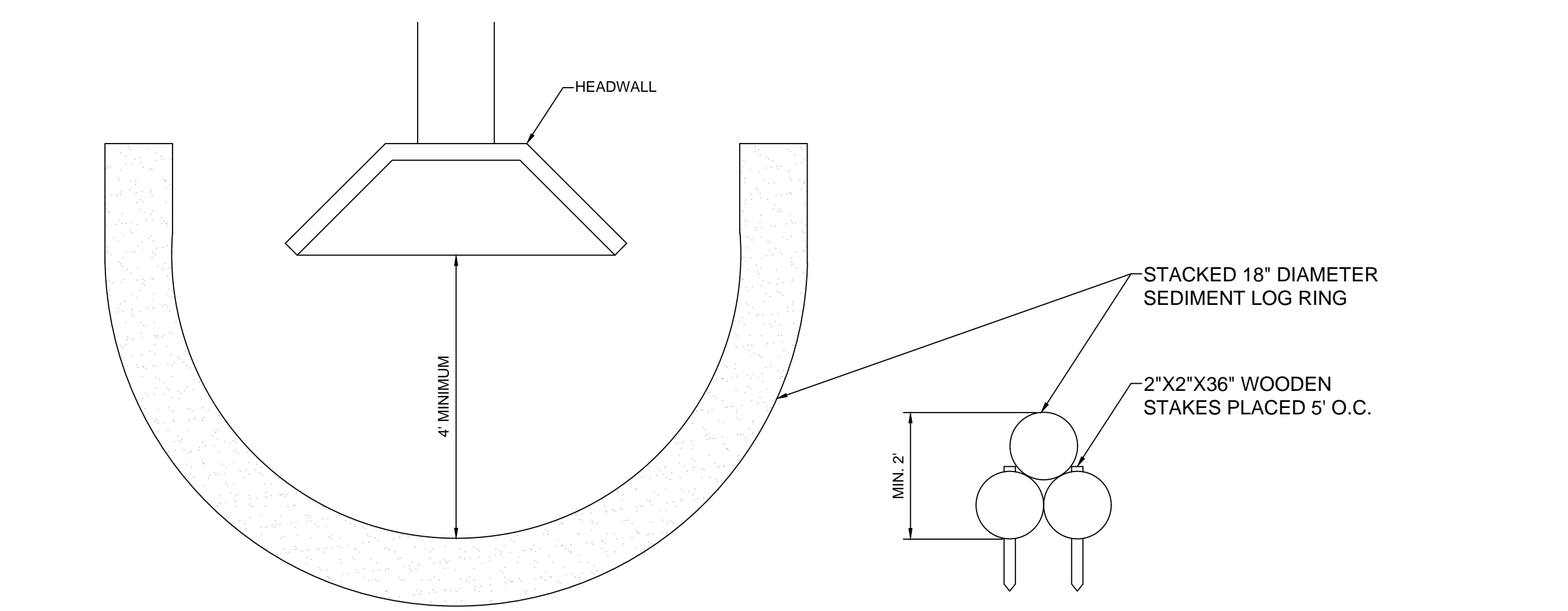


**B3 CONCRETE WASHOUT AREA**  
SCALE: NONE



NOTES: 1. D = PIPE DIAMETER.  
2. EXTEND THE APRON UP THE CHANNEL BANKS.  
3. FILTER FABRIC SHALL BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.  
4. MINIMUM RIPRAP THICKNESS IS 1.5 FEET.  
5. OUTLET PROTECTION SHOWN, INLET TO BE HALF OF HORIZONTAL DIMENSIONS SHOWN.  
6. EXTEND RIP RAP AROUND BACK OF HEADWALL  
7. AT DITCH 90° BEND OR TEE INTERSECTION, RIP RAP TO EXTEND TO TOP OF BANKS AND A MINIMUM OF 6 TIMES THE PIPE DIAMETER IN EACH DIRECTION, UNLESS SHOWN OTHERWISE ON THE DRAWINGS.

**B4 RIPRAP PROTECTION**  
SCALE: NONE



**A3 HEADWALL INLET PROTECTION**  
SCALE: NONE



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PROJECT NO: **020-00082-00**  
PROJECT MANAGER: S. DUNN  
DESIGNED: J. MARSH  
CHECKED: C. HARTMAN

DRAWING TITLE:  
**EROSION AND SEDIMENT CONTROL DETAILS**

DRAWING NO:  
**CS-503**