

ADDENDUM NO. 2
WEBSTER DRAIN
SAGINAW COUNTY, MICHIGAN

TO: ALL PROSPECTIVE BIDDERS ON THE SUBJECT PROJECT
RE: CHANGES TO BIDDING DOCUMENTS

*Acknowledge Receipt of this Addendum on Page C-410-1
of the Bidform (Proposal) where indicated.*

The following is a list of changes to the bidding documents:

1. Addendum No. 2 has been emailed or made available to you through the Saginaw County Public Works website on Wednesday, October 21st, 2020.
2. Enclosed please find a copy of the revised Bid Form that includes a revised manhole size (Bid Item #32) and outlet pipe size (Bid Item #33) at Carter Road. An alternate bid item (#67) was added for an RCP prefabricated bend to be installed in lieu of the 10' diameter manhole (Bid Item #14) at Structure WD01. **All bids must be submitted using this form.**
3. Enclosed please find the following revised plan sheets:
 - DR-3179-09
4. The following clarifications are being made in response to questions received from bidders:
 - Access to the drain downstream of M-47 shall be made through an ingress egress located on the north side of the drain adjacent to the guardrail.
 - Crossing No. 1 shall be 92 lin. ft. of 72" CMP with both ends beveled 2 horizontal to 1 vertical as indicated on bid form.
 - Crossing No. 3A - Contractor shall coordinate with landowner(s) and engineer prior to installation.
 - Crossing No. 5 - The culvert shall be backfilled with sand as indicated in the typical detail for a gravel drive crossing and a gravel driveway shall be constructed over the pipe.
 - The scale shown on plan sheet DR-3179-12 for the detail labeled as Planview No. 4 – Sta. 33+56 – Lake State Railway should be 1" = 10.'
 - The Typ. Post & Beam Detail At Piers shown on DR-3179-12 is part of the wooden footbridge details shown on DR-3179-11.
 - Spoils Management – Temporary Spoil Leveling Easements
 - i. Schauman Development Parcels - Spoils shall be stock piled outside of the drain right of way at a location on the parcel to be determined by the landowner.
 - ii. Duley Parcel – Spoils shall be leveled along the north side of the proposed drain to fill in the existing waterway.
 - iii. Funsch Parcel – Spoils shall be leveled outside of the drain right of way to fill in the existing waterway north of the house.
 - If alternative bid items that include work in the railroad right of way are part of this contract, the owner will reimburse the contractor for any additional insurance and permitting costs.

Note all clarifications and changes contained within this Addendum and/or the Pre-Bid meeting minutes supersede any data that may be contained in the plans and specifications regarding the same matter.

An unsigned acknowledgement or lack of acknowledgement shall be cause to have the bid rejected. Acknowledgment of the Addendum No. 2 by the bidder shall indicate full understanding and acceptance of this addendum in its entirety.

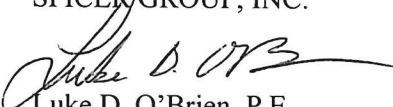
Please sign the Acknowledgment below and attach this Addendum No. 2 to the front of your bidding document. Acknowledge the same in the Bid Form (Proposal).

Included with the sealed bid should be:

- A. The Bid Form with Addendum No. 2 acknowledged
- B. A copy of this Addendum with the Acknowledgement Form completed

Prepared by:

SPICER GROUP, INC.


Luke D. O'Brien, P.E.
Project Manager

ACKNOWLEDGMENT

BIDDER: _____

BY: _____

DATE: _____

**WEBSTER DRAIN
BID FORM
REVISED - 10/21/20**

Item No.	Estimated Quantity	Unit	Description	Unit Price	Amount
<u>OPEN CHANNEL CONSTRUCTION</u>					
1.	241	Lin. Ft.	Channel Restoration (Sta. 7+15 to Sta. 11+04)	\$ _____	\$ _____
2.	4,324	Lin. Ft.	Open Channel Construction - Two Stage Channel Drain Bottom and Shelf Width Varies Slope Banks 2 Hor. To 1 Vert. (Sta. 11+04 to Sta. 33+86) (Sta. 47+67 to Sta. 71+85)	\$ _____	\$ _____
3.	1,024	Lin. Ft.	Overflow Channel Construction (Sta. 34+43 to Sta. 44+67)	\$ _____	\$ _____
4.	5,589	Lin. Ft.	Spoil Management (As indicated on plans)	\$ _____	\$ _____
5.	1	Lump Sum	Site Clearing (Excluding Railroad ROW)	<u>Lump Sum</u>	\$ _____
<u>CROSSINGS</u>					
<u>No. 1 Station 4+96 - River View Condominiums</u>					
6.	92	Lin. Ft.	72" CMP (Aluminized) (3" x 1" Corr., 10 Ga.) (Bevel End 2 Hor. To 1 Vert.)	\$ _____	\$ _____
<u>No. 2 Station 6+40 - Midland Road (M-47)</u>					
7.	1	Lump Sum	Line Existing Culvert (Geopolymer)	<u>Lump Sum</u>	\$ _____
8.	18	Lin. Ft.	72" CMP (Aluminized) (3" x 1" Corr., 10 Ga.) (Bevel End 2 Hor. To 1 Vert.)	\$ _____	\$ _____
<u>No. 3 Station 9+40 to 11+04 - Drop Structure</u>					
9.	116	Lin. Ft.	60" RCP (C-76, Cl. III)	\$ _____	\$ _____
10.	32	Lin. Ft.	54" RCP (C-76, Cl. III)	\$ _____	\$ _____
11.	260	Lin. Ft.	24" RCP (C-76, Cl. III)	\$ _____	\$ _____
12.	1	Each	60" RCP Flared End Section	\$ _____	\$ _____
13.	1	Each	54" RCP Flared End Section	\$ _____	\$ _____
14.	1	Each	10' Dia. MH/CB	\$ _____	\$ _____
15.	1	Each	8' Dia. MH/CB	\$ _____	\$ _____
16.	1	Each	4' Dia. MH/CB	\$ _____	\$ _____

17.	1	Lump Sum	Remove Existing 48" CMP	<u>Lump Sum</u>	\$	<u> </u>
<u>No. 3A Station 19+18 - Schauman Development LLC/Graebner, Richard</u>						
18.	76	Lin. Ft.	66" Span x 51" Rise CMPA (Aluminized) (3" x 1" Corr., 12 Ga.) (Bevel Ends 2 Hor. To 1 Vert.)	\$	<u> </u>	\$ <u> </u>
<u>No. 5A Station 50+00 - Schauman Development LLC</u>						
19.	1	Each	Wooden Footbridge	\$	<u> </u>	\$ <u> </u>
<u>No. 5 Station 56+64 - Schauman Development LLC</u>						
20.	82	Lin. Ft.	72" Span x 58" Rise ERCP (C-76, Cl. III)	\$	<u> </u>	\$ <u> </u>
21.	2	Each	72" Span x 58" Rise ERCP Flared End Section	\$	<u> </u>	\$ <u> </u>
<u>No. 6 Station 58+57 - Sarle Road</u>						
22.	80	Lin. Ft.	73" Span x 55" Rise CMPA (Aluminized) (3" x 1" Corr., 10 Ga.) (Bevel Ends 2 Hor. To 1 Vert.)	\$	<u> </u>	\$ <u> </u>
23.	189	Lin. Ft.	24" RCP (C-76, Cl. III) (Sta. 55+97)	\$	<u> </u>	\$ <u> </u>
24.	2	Each	24" RCP Flared End Section	\$	<u> </u>	\$ <u> </u>
25.	148	Lin. Ft.	18" RCP (C-76, Cl. III)	\$	<u> </u>	\$ <u> </u>
26.	1	Each	5' Dia. MH/CB	\$	<u> </u>	\$ <u> </u>
27.	2	Each	4' Dia. MH/CB	\$	<u> </u>	\$ <u> </u>
28.	2	Each	15" Lateral Tile Connection	\$	<u> </u>	\$ <u> </u>
29.	5	Cu. Yd.	Flowable Fill (Abandon Existing 18" CMP) (Under Driveway @ 10828 Sarle Rd)	\$	<u> </u>	\$ <u> </u>
30.	1	Lump Sum	Fill Roadside Ditch (Sta. 55+77 to Sta. 61+48)	<u>Lump Sum</u>	\$	<u> </u>
<u>NATURAL AREA</u>						
31.	1	Lump Sum	Earth Excavation (Approx. 13,500 Cu. Yds.)	<u>Lump Sum</u>	\$	<u> </u>
32.	1	Each	7' Dia. MH (w/ Grate)	\$	<u> </u>	\$ <u> </u>
33.	12	Lin. Ft.	45" x 29" ERCP (C-76, Cl. III)	\$	<u> </u>	\$ <u> </u>
34.	29	Lin. Ft.	36" RCP (C-76, Cl. III)	\$	<u> </u>	\$ <u> </u>
35.	8	Lin. Ft.	18" RCP (C-76, Cl. III)	\$	<u> </u>	\$ <u> </u>
36.	1	Each	36" RCP Flared End Section	\$	<u> </u>	\$ <u> </u>

37. 3,200 Sq. Yd. Mulch Blanket (N.A.G. S-75) \$ _____ \$ _____

38. 1 Each Access Drive Gate \$ _____ \$ _____

SOIL EROSION AND SEDIMENT CONTROL

39. 200 Sq. Yds. Miscellaneous Plain Riprap \$ _____ \$ _____

40. 250 Lin. Ft. Plain Riprap Spillway \$ _____ \$ _____

41. 100 Lin. Ft. Grass Spillway \$ _____ \$ _____

42. 750 Lin. Ft. Plain Riprap Toe of Slope Protection \$ _____ \$ _____

43. 150 Sq. Yds. North American Green C-125 BN \$ _____ \$ _____

44. 2 Each 18" Surface Outlet Tube (35 Lin. Ft.) \$ _____ \$ _____

45. 2 Each 12" & 10" Field Tile Outlet \$ _____ \$ _____

46. 2 Each 8" & 6" Field Tile Outlet \$ _____ \$ _____

47. 2 Each 4" & Smaller Field Tile Outlet \$ _____ \$ _____

48. 15 Each Plain Riprap Splash Pad \$ _____ \$ _____

49. 1 Lump Sum Seeding, Fertilizing, and Mulching Lump Sum \$ _____

50. 1 Lump Sum Cleanup and Restoration Lump Sum \$ _____

MISCELLANEOUS ITEMS

51. 1 Lump Sum Traffic Control Lump Sum \$ _____

52. 1 Lump Sum Lower Existing 12" Watermain Lump Sum \$ _____

53. 2 Each 12" Gate Valve & Box \$ _____ \$ _____

TOTAL BASE BID ----- \$ _____

ALTERNATE BID ITEMS

No. 4 Station 33+56 - Lake State Railway

54. 56 Lin. Ft. 60" Span x 46" Rise CMPA (Aluminized)
(3" x 1" Corr., 10 Ga.)
(Bevel Ends 2 Hor. To 1 Vert.) \$ _____ \$ _____

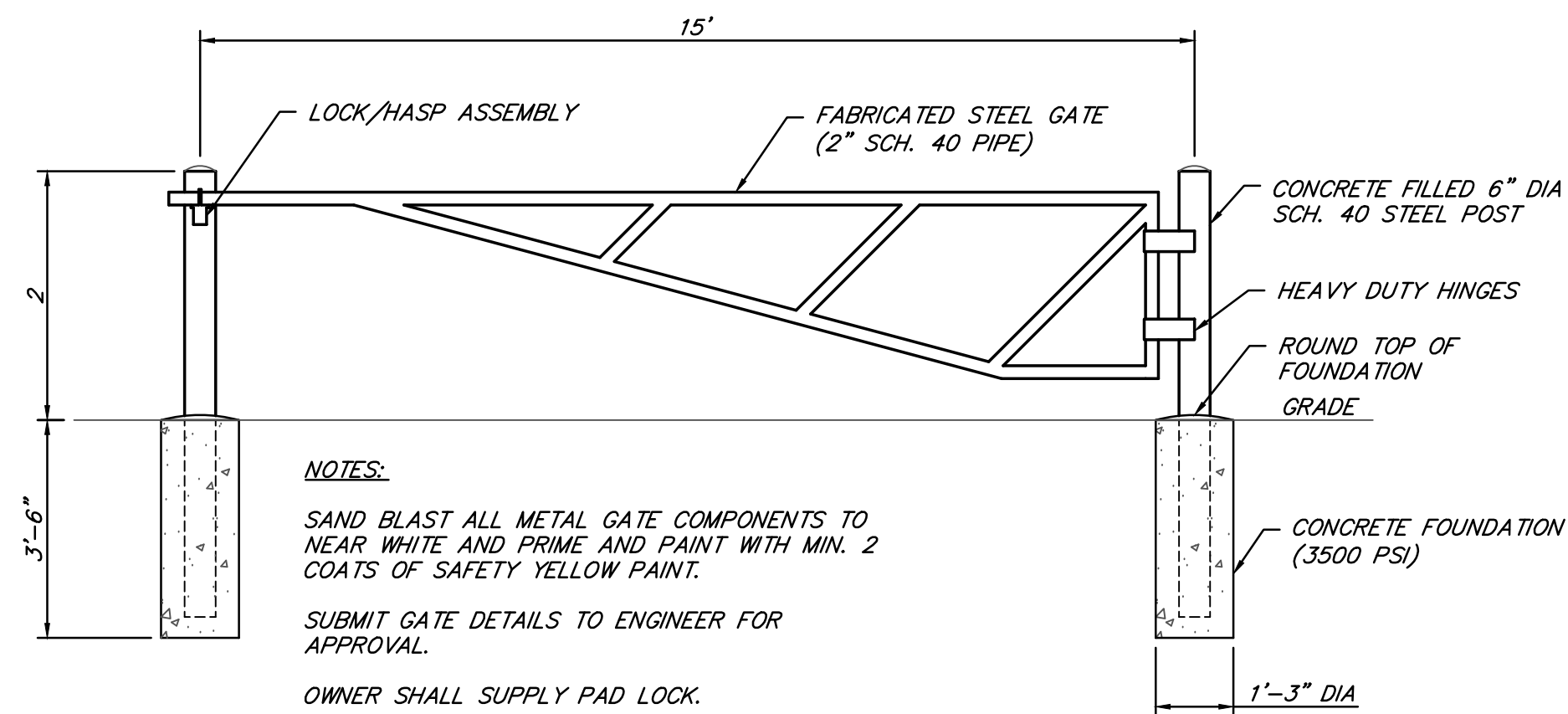
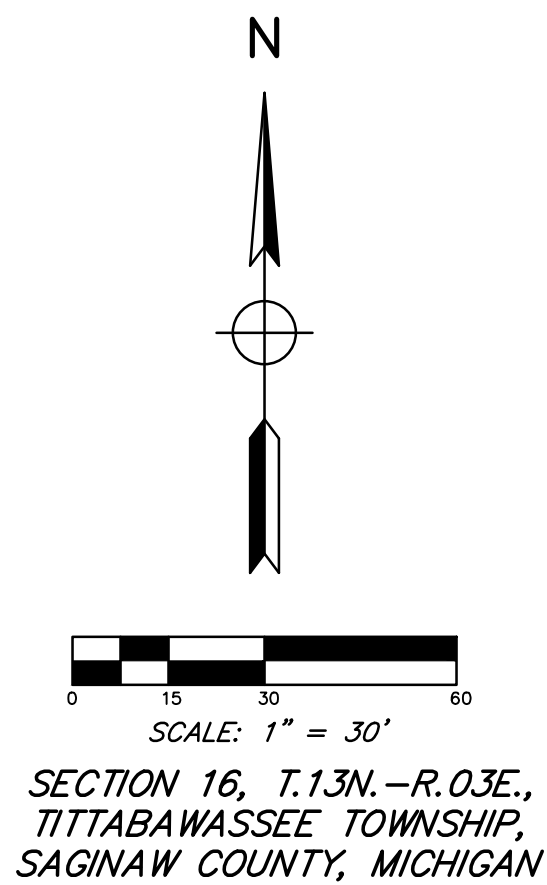
55. 15 Lin. Ft. 48" CMP (Aluminized)
(3" x 1" Corr., 14 Ga.)
(Bevel 1 End 2 Hor. To 1 Vert.) \$ _____ \$ _____

56. 48 Lin. Ft. 30" Span x 19" Rise ECP
(C-76, Cl. III) \$ _____ \$ _____

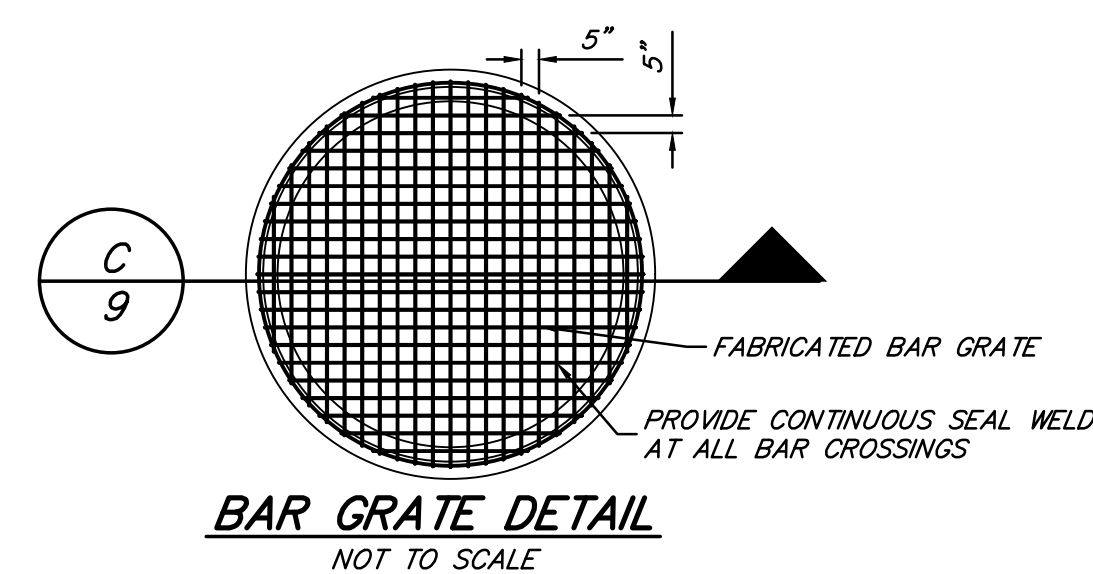
57. 1 Each ECP Flared End Section
(30" Span x 19" Rise ECP) \$ _____ \$ _____

58.	1	Each	8' Dia. MH/CB (w/ Grate) (Includes Connection of Existing Tile)	\$ _____	\$ _____
59.	25	Lin. Ft.	Open Channel Excavation 4' Drain Bottom Slope Banks 2 Hor. To 1 Vert.	\$ _____	\$ _____
60.	150	Sq. Yds.	Miscellaneous Plain Riprap	\$ _____	\$ _____
61.	1	Lump Sum	Construct Diversion Channel and Overflow Weir (Includes Construction of Drain Channel Between Pipe Inlet and Overflow Weir) (Includes 160 Sq. Yds. of Flexamat)	<u>Lump Sum</u>	\$ _____
62.	1	Lump Sum	Railroad Track Removal and Restoration	<u>Lump Sum</u>	\$ _____
63.	1	Lump Sum	Site Clearing	<u>Lump Sum</u>	\$ _____
64.	1	Lump Sum	Cleanup and Restoration	<u>Lump Sum</u>	\$ _____
65.	1	Lump Sum	Seeding	<u>Lump Sum</u>	\$ _____
66.	20	Cu. Yds.	Subgrade Undercut, 6A	\$ _____	\$ _____
<u>No. 3 Station 9+40 to 11+04 - Drop Structure</u>					
67.	1	Each	60" RCP Prefabricated Bend (In Place of Bid Item #14)	\$ _____	\$ _____

TOTAL ALTERNATE BID ITEMS ----- \$ _____



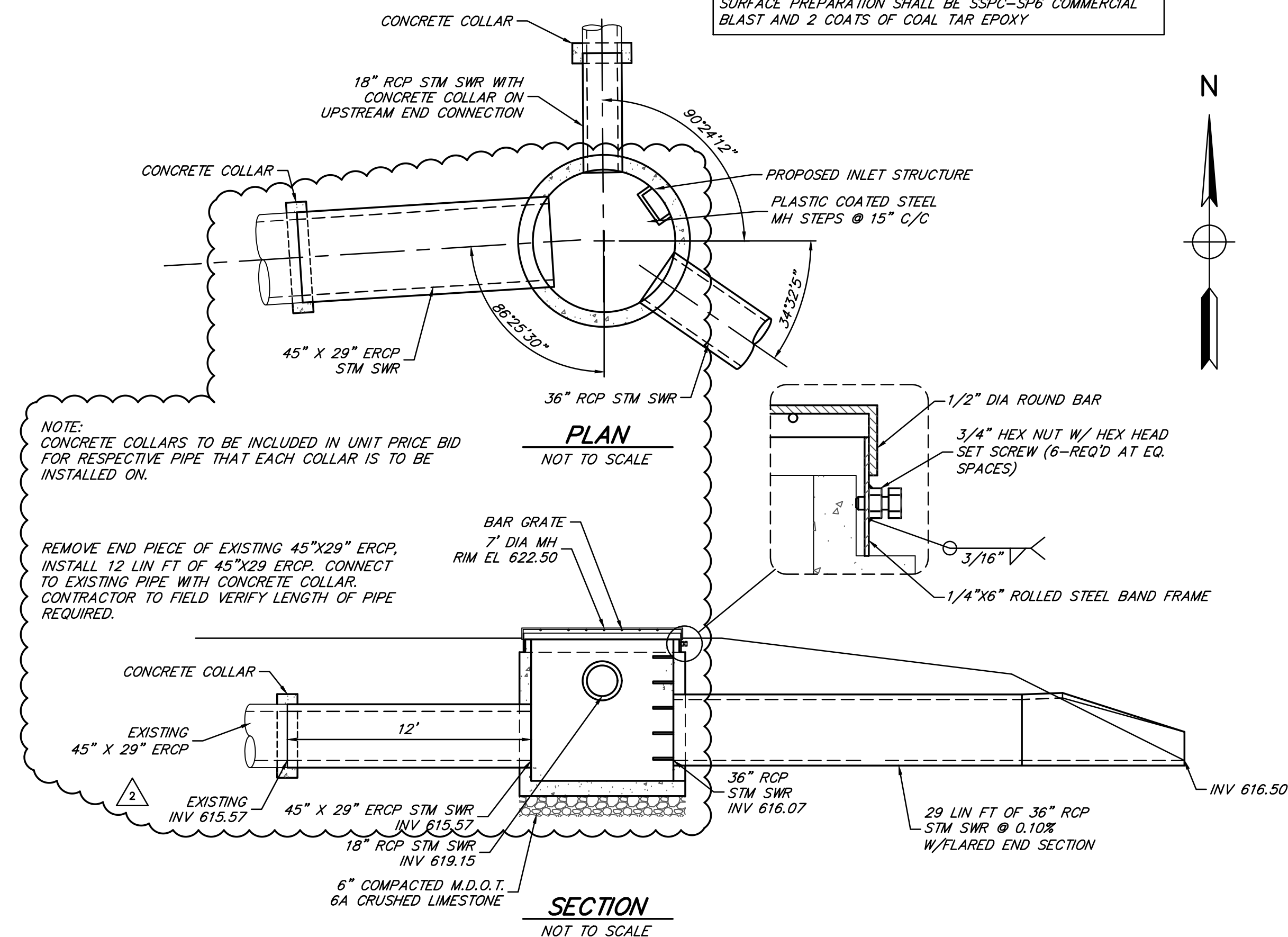
GATE DETAIL
NOT TO SCALE



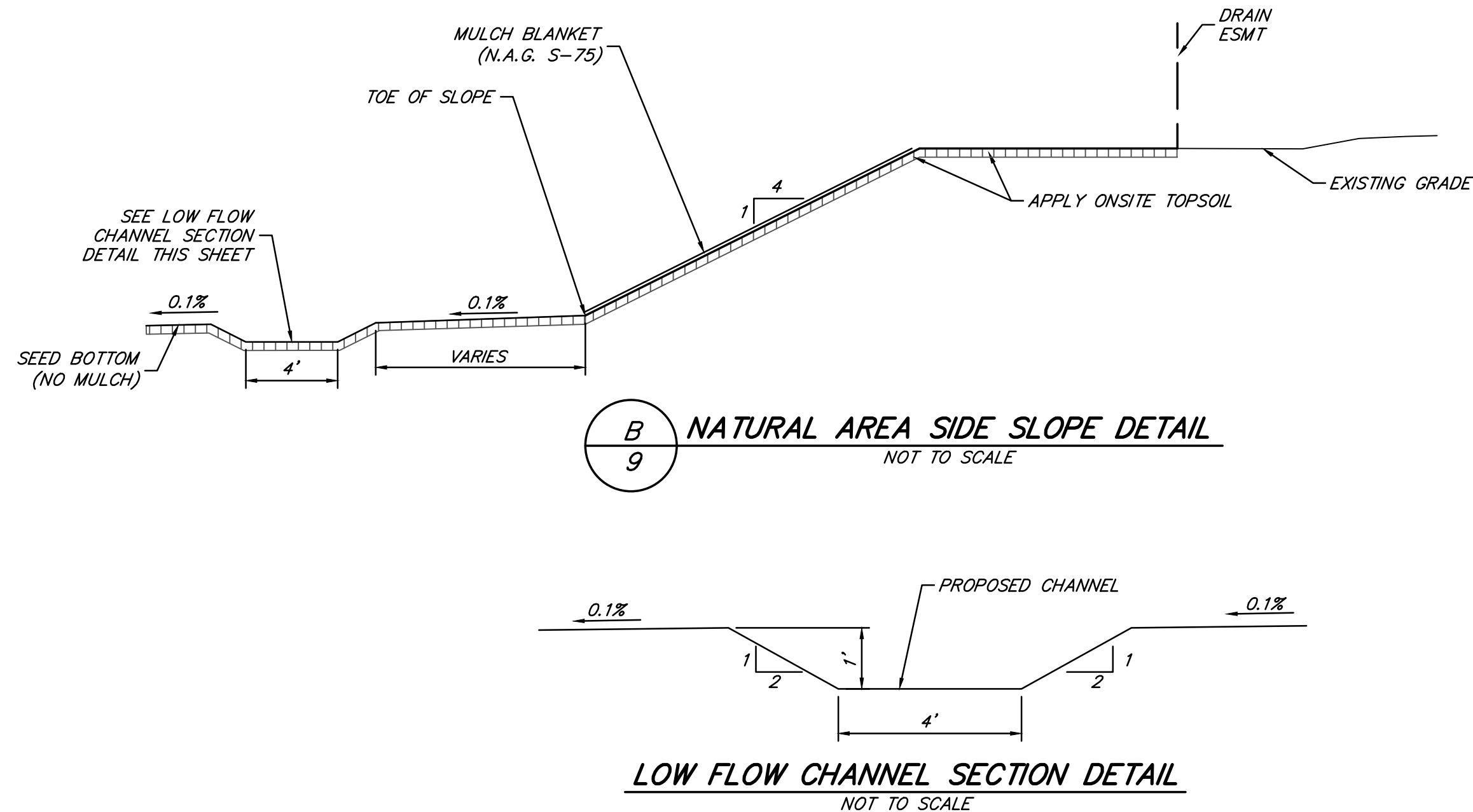
BAR GRATE DETAIL
NOT TO SCALE

BAR GRATE COATING SYSTEM

*SURFACE PREPARATION SHALL BE SSPC-SP6 COMMERCIAL
BLAST AND 2 COATS OF COAL TAR EPOXY*



INLET STRUCTURE DETAIL WITH BAR GRATE
NOT TO SCALE



NOTE:
EXCAVATION OF LOW FLOW CHANNEL TO BE INCLUDED IN THE LUMP SUM PRICE BID FOR EXCAVATION.

QUANTITIES THIS SHEET			
	ITEM	UNIT	QTY.
	18" RCP STM SWR	LIN FT	8
	36" RCP STM SWR	LIN FT	29
2	26" RCP END SECTION	EACH	1
	45"X29" ERCP STM SWR	LIN FT	12
	7" DIA INLET STRUCTURE	EACH	1
	EARTH EXCAVATION	CYD	1,350.00
	MISCELLANEOUS RIPRAP	SYD	23
	TOE OF SLOPE RIPRAP	LIN FT	150
	MULCH BLANKET (N.A.G. S-75)	SYD	3200

EROSION CONTROL TABLE		
KEY*	DESCRIPTION	LOCATION
1 P	SEEDING	ALL GRASS AREAS DISTURBED DURING CONSTRUCTION
2 T	MULCH	ALL GRASS AREAS DISTURBED DURING CONSTRUCTION
6 T	EROSION CONTROL BLANKET	BASIN SIDE SLOPES
7 P	RIPRAP	WHERE CONCENTRATED FLOWS OCCUR, SLOWS VELOCITY, REDUCES EROSION AND SEDIMENT LOAD.
17 P	DUST CONTROL	ALL DISTURBED AREAS
26 T	CATCH BASIN	AS SHOWN
41 P	STORM DRAIN INLET PROTECTION	ALL CATCH BASINS AND DRAIN BASINS AFFECTED BY PROJECT, BOTH EXISTING AND PROPOSED

FOOTNOTES: COORDINATE INSTALLATION OF EROSION CONTROL MEASURES WITH ENGINEER PRIOR TO CONSTRUCTION. LOCATIONS, QUANTITIES, OR TYPES MAY VARY BASED ON FIELD DECISIONS.

POC	2	ADDENDUM NO. 2	10/21/2020
BY	MARK	REVISIONS	DATE
THE WORK REPRESENTED BY THIS DRAWING WAS DESIGNED BY THE ENGINEER FOR THIS SPECIFIC APPLICATION AND SPECIFIC LOCATION DESCRIBED HEREIN IN ACCORDANCE WITH THE CONDITIONS PREVALENT AT THE TIME THE DESIGN WAS DONE. THE ENGINEER DOES NOT GUARANTEE AND WILL NOT BE LIABLE FOR ANY LOCATION, CONDITION, DESIGN OR PURPOSE.			
<i>WEBSTER DRAIN SAGINAW COUNTY, MICHIGAN</i>			
<i>NATURAL AREA</i>			
		SAGINAW OFFICE 230 S. Washington Ave. Saginaw, MI 48607 Tel. 989-754-4717 Fax. 989-754-4440 www.SpicerGroup.com	
DE. BY: CPG/LDO CH. BY: LDO DR. BY: CPG APP. BY: RBH		PROJECT NO. 122778SG2015	
STDS.		SHEET 09 OF 13	
DATE SCALE OCTOBER, 2020 AS SHOWN		FILE NO. DR-3179-09	
		DR 09	