

SECTION 00920

ADDENDUM

City of Muskegon
1360 E. Keating Avenue
Muskegon, MI 49442

ADDENDUM NO. **3**

DATE: **June 21, 2019**

ENGINEER: Eng., Inc.
16930 Robbins Road, Suite 105
Grand Haven, MI 49417

Drawing Revision No: **1**

Drawing Sheets Issued Herewith: **16 of 18**

Bids Due: **July 1, 2019** Issued to all Plan Holders

This Addendum is part of the Contract Documents and modifies the previously issued Bidding Documents. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may result in rejection of the Bid.

In accordance with Article 1 of the General Conditions, this Addendum is hereby issued as part of the Contract Documents.

1. The SRF/DWRP standard American Steel and Iron contract language has been added to the contract and is enclosed with this Addendum.
2. The Engineer's Opinion of Costs is being provided: \$2,458,415.20
3. Sheet 16 of 18 has been revised and is enclosed with this Addendum. The revisions are to Sanitary Manhole A, Meter Station-Plan Detail. Additionally, the following answers have been provided to questions regarding the Meter Station:

Q. The specs for the flow meter say that a 6 inch flow meter is needed but all the piping in the meter station is reduced to 4 inch piping, which is correct:

A. A 6 inch flow meter with 6 inch piping is correct (see revised detail).

Q. Since there is a vic coupling in the meter station I am assuming that you are looking for ductile iron pipe but cannot find anything that states what type of pipe is needed for the meter station.

A. The piping for the flow meter shall be ductile iron pipe.

Q. The plans show that the overflow pipe is 8 inch or 12 inch depending on which note you are looking at, please clarify.

A. The Meter Station overflow pipe shall be 12 inch (see revised detail).

Q. Since there are electrical items in the meter station, I'm assuming that some sort of electrical panel with an electric source is needed. Please provide detail of the panel construction as well as a power source as well as if there are any instrumentation requirements.

A. There is an existing meter in the location of the proposed meter station with a power source. The intent is to use the same power source and electrical panel and install it in the proposed meter station. The only modifications to the meter station are inverts, pipe sizes and meter size.

Q. Is there an electric service at the meter location?

A. Yes.

END OF SECTION

American Iron and Steel Contract Language

The Contractor acknowledges to and for the benefit of the city of Muskegon, Michigan ("Purchaser") and the Michigan Department of Environmental Quality (the "State") that it understands the goods and services under this Agreement are being funded with monies made available by the State Revolving Fund and/or the Drinking Water Revolving Fund and such law contains provisions commonly known as "American Iron and Steel (AIS)," that requires all iron and steel products used in the project be produced in the United States ("AIS Requirements") including iron and steel provided by the Contractor pursuant to this Agreement. The Contractor hereby represents and warrants to and for the benefit of the Purchaser and the State that (a) the Contractor has reviewed and understands the AIS Requirements, (b) all iron and steel used in the project will be and/or have been produced in the United States in a manner that complies with the AIS Requirements, unless a waiver of the requirements is approved or the State made the determination in writing that the AIS Requirements do not apply to the project, and (c) the Contractor will provide any further verified information, certification or assurance of compliance with this paragraph, or information necessary to support a waiver of the AIS requirements, as may be requested by the Purchaser. Notwithstanding any other provision of this Agreement, any failure to comply with this paragraph by the Contractor shall permit the Purchaser or State to recover as damages against the Contractor any loss, expense or cost (including without limitation attorney's fees) incurred by the Purchaser or State resulting from any such failure (including without limitation any impairment or loss of funding, whether in whole or in part, from the State or any damages owed to the State by the Purchaser). While the Contractor has no direct contractual privity with the State, as a lender to the Purchaser for the funding of its project, the Purchaser and the Contractor agree that the State is a third-party beneficiary and neither this paragraph (nor any other provision of this Agreement necessary to give this paragraph force or effect) shall be amended or waived without the prior written consent of the State.

GENERAL PLAN NOTES

UNDERGROUND UTILITIES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174, 2013, THE CONTRACTOR SHALL CONTACT MISS DIG AT 1-800-482-7171 OR 811 OR VIA THE WEB AT EITHER ELOCATE.MISSDIG.ORG FOR SINGLE ADDRESS OR RTE.MISSDIG.ORG, A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE PART OF THE "MISS DIG" ALERT SYSTEM.

THE EXISTING UTILITIES ON THESE DRAWINGS HAVE BEEN SHOWN ACCORDING TO THE BEST AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD LOCATE ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION AND SHALL NOTIFY THE ENGINEER AS TO WHERE POSSIBLE CONFLICTS EXIST.

EXISTING WATER MAINS AND SEWERS

THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE TO PROPERLY IDENTIFIED EXISTING WATER MAINS AND/OR EXISTING SEWERS DURING THE CONSTRUCTION OF THE PROJECT.

ADJUSTING MONUMENT BOXES

ALL GOVERNMENT CORNERS ON THIS PROJECT SHALL BE PRESERVED, WHETHER SHOWN OR NOT. IT MAY BE NECESSARY TO PLACE OR ADJUST MONUMENT BOXES, AS REQUIRED.

PAVEMENT MARKINGS AND SIGNS

ALL PERMANENT PAVEMENT MARKINGS, SHAPES, AND DIMENSIONS SHALL CONFORM WITH MDOT PAVEMENT MARKING TYPICALS PAVE - 900 SERIES.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES

APPROPRIATE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO EARTH-DISTURBING ACTIVITIES. PLACE TURF ESTABLISHMENT ITEMS AS SOON AS POSSIBLE ON POTENTIAL ERODABLE SLOPES AS DIRECTED BY THE ENGINEER. CRITICAL DITCH GRADES SHALL BE PROTECTED WITH EITHER SOD OR SEED/MULCH OR MULCH BLANKET AS DIRECTED BY THE ENGINEER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SOIL EROSION AND SEDIMENTATION CONTROL MEASURES ARE IN PLACE AND MAINTAINED UNTIL THE CONTRACT HAS BEEN COMPLETED AND ACCEPTED. MEASURES SHALL ONLY BE PAID FOR ONCE.

SEED MIXTURE

THE DESIGNATION FOR THE PERMANENT TURF SEED MIXTURE ON THIS PROJECT SHALL BE THM.

DRAINAGE STRUCTURE OFFSETS AND ELEVATIONS

DRAINAGE STRUCTURE IN PROPOSED CURB - OFFSET AND ELEVATIONS SHOWN ARE TO THE BACK AND TOP OF CURB. ALIGN THE STRUCTURE WITH THE BACK OF THE CASTING AND THE TOP OF THE CASTING FLUSH WITH THE PROPOSED BACK AND TOP OF CURB. DRAINAGE STRUCTURES IN OUTLAWN AREA AND PAVED AREA - OFFSET SHOWN IS TO CENTER OF STRUCTURE. RIM ELEVATIONS FOR DOME COVERS AND FLAT COVERS ARE TO THE TOP OF THE CASTING FRAME.

LAWN SPRINKLERS/LANDSCAPING

OWNERS OF EXISTING LAWN SPRINKLER SYSTEMS AND/OR LANDSCAPING SHALL BE NOTIFIED (IN WRITING WITH A COPY SENT TO THE ENGINEER) BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF ANY WORK TO BE DONE THAT WILL AFFECT THOSE SYSTEMS AND/OR LANDSCAPING. IF THE PROPERTY OWNER FAILS TO RELOCATE THE LAWN SPRINKLER SYSTEM PRIOR TO THE CONTRACTOR BEGINNING WORK, AND IF THE CONTRACTOR CUTS THE SYSTEM DURING CONSTRUCTION, THE CONTRACTOR SHALL CAP THE SYSTEM PIPE AND WITNESS THE LOCATION OF THE CAP WITH A WOODEN STAKE FOR THE PROPERTY OWNERS USE. THE CONTRACTOR SHALL PLACE THE SALVAGED SPRINKLER HEADS ON THE BACK OF THE RIGHT OF WAY. IF THE PROPERTY OWNER FAILS TO RELOCATE THE LANDSCAPING PRIOR TO THE CONTRACTOR BEGINNING WORK, THE CONTRACTOR SHALL CAREFULLY SALVAGE THE LANDSCAPING ITEMS AND STOCKPILE THEM ON THE BACK OF THE RIGHT OF WAY OR AT A LOCATION DESIGNATED BY THE ENGINEER FOR THE PROPERTY OWNER. ANY OTHER MODIFICATION TO THE LAWN SPRINKLER SYSTEM AND/OR LANDSCAPING, IS THE RESPONSIBILITY OF THE PROPERTY OWNER AND IS NOT PART OF THE CONTRACT.

CONNECTIONS TO EXISTING CULVERTS/SEWERS

THE EXTENSIONS/CONNECTIONS TO EXISTING CULVERTS/SEWERS ON THIS PROJECT MAY REQUIRE EXTRA WORK TO OBTAIN A TIGHT SEAL AT THE JOINT CONNECTING NEW PIPE TO EXISTING PIPE. THE JOINT BETWEEN THE EXISTING AND NEW PIPES SHALL BE CONSTRUCTED ACCORDING TO THE 2012 MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. ANY EXTRA WORK REQUIRED TO OBTAIN TIGHT JOINTS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN COMPENSATION FOR NEW PIPE.

SIGNS

SIGNS REQUIRING RELOCATION DUE TO CONTRACTOR OPERATIONS SHALL BE SALVAGED AND RESET BY THE CONTRACTOR AT LOCATIONS DESIGNATED BY THE ENGINEER. THIS WORK WILL BE CONSIDERED AS INCLUDED WITH MINOR TRAF DEVICES.

PUBLIC UTILITIES

THE EXISTING UTILITIES LISTED BELOW AND SHOWN ON THESE PLANS REPRESENT THE BEST INFORMATION AVAILABLE. THIS INFORMATION DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO BE SATISFIED AS TO IT'S ACCURACY AND THE LOCATION OF THE EXISTING UTILITIES.

NAME OF OWNER KIND OF UTILITY CONTACT

DTE ENERGY GAS VINCE DUCA
2359 OLTHOFF MUSKEGON, MI 49444 231-777-4034

FRONTIER COMMUNICATIONS TELEPHONE DAVID FLERMOEN
860 TERRACE STREET MUSKEGON, MI 49444 231-727-1319

CONSUMERS ENERGY ELECTRIC MICHELE ANDREE
700 E STERNBERG ROAD NORTON SHORES, MI 49444 231-332-2621

CITY OF MUSKEGON SEWER AND WATER DAVE BAKER
1350 E KEATING AVENUE MUSKEGON, MI 49442 231-724-4184
LEO EVANS, P.E. 231-724-6920

CITY OF MUSKEGON STREETS AND STORM WATER DAVE BAKER
1350 E KEATING AVENUE MUSKEGON, MI 49442 231-724-4184
LEO EVANS, P.E. 231-724-6920

COMCAST CABLE TV JIM STITZEL
3500 PATTERSON AVE SE 810-217-8773
GRAND RAPIDS, MI 49512

MUSKEGON COUNTY DRAIN COMMISSIONER COUNTY DRAINS BRENDA MOORE
CENTRAL SERVICES BUILDING 231-724-6219
141 E. APPLE AVENUE MUSKEGON, MI 49442

ACD.NET FIBER OPTIC GLENN DEUTSCHER
1800 GRAND RIVER AVENUE 517-999-3267
LANSING, MI 48906

NOTES APPLYING TO STANDARD PLANS

WHERE THE FOLLOWING ITEMS ARE CALLED FOR ON THE PLANS, THEY ARE TO BE CONSTRUCTED ACCORDING TO THE STANDARD PLAN GIVEN BELOW OPPOSITE EACH ITEM UNLESS OTHERWISE INDICATED.

COVER Q	R-18-F
COVER B	R-7-F
COVER K	R-15-F
DRIVEWAY OPENINGS AND APPROACHES, AND CONCRETE SIDEWALK	R-29-I
CONCRETE CURB AND CONCRETE CURB & GUTTER	R-30-G
UTILITY TRENCHES	R-83-C
SOIL EROSION & SEDIMENTATION CONTROL MEASURES	R-96-E
SEEDING AND TREE PLANTING	R-100-H
LONGITUDINAL LINE TYPES AND PLACEMENT	PAVE-905-D
PAVEMENT MARKINGS FOR NON-SIGNALIZED INTERSECTIONS	PAVE-930-C
INTERSECTION, STOP BAR AND CROSSWALK MARKINGS	PAVE-945-C
ROADSIDE SIGN LOCATIONS AND SUPPORT SPACING	SIGN-120-E
STEEL POSTS	SIGN-200-D

NOTES APPLYING TO SPECIAL DETAILS

WHERE THE FOLLOWING ITEMS ARE CALLED FOR ON THE PLANS, THEY ARE TO BE CONSTRUCTED ACCORDING TO THE MDOT SPECIAL DETAILS GIVEN BELOW OPPOSITE EACH ITEM UNLESS OTHERWISE INDICATED. SPECIAL DETAILS ARE INCLUDED IN THE PROPOSAL.

SIDEWALK RAMP AND DETECTABLE WARNING DETAILS
DRAINAGE STRUCTURES
GROUND DRIVEN SIGN SUPPORTS FOR TEMP SIGNS
TEMPORARY TRAFFIC CONTROL DEVICES

R-28-J
R-1-G
WZD-100-A
WZD-125-E

MISCELLANEOUS ESTIMATES

THE FOLLOWING ITEMS OF WORK SHALL BE DONE AS THEY APPLY THROUGHOUT THE PROJECT. THESE ITEMS ARE NOT DETAILED OR INCLUDED ON THE PLAN AND PROFILE SHEETS:

ITEM DESCRIPTION	PROJECT NO. 4 QUANTITY
AUDIO VISUAL FILMING	1.0 LSM
MOBILIZATION, MAX	1.0 LSM
CURB AND GUTTER, REM	200 FT
SIDEWALK, REM	55 SYD
PAVT, REM, MODIFIED	200 SYD
MACHINE GRADING, MODIFIED	32 STA
PROJECT CLEANUP	1.0 LSM
VIDEO TAPING SEWER AND CULV PIPE	826 FT
DR STRUCTURE COVER, MODIFIED	44 EA
DR STRUCTURE COVER, ADA COMPLIANT	3 EA
HAND PATCHING	30 TON
CURB AND GUTTER, CONC, DET F4	200 FT
SIDEWALK, CONC, 4 INCH	500 SFT
FENCE, PROTECTIVE	200 FT
MINOR TRAF DEVICES	1 LSM
PLASTIC DRUM, HIGH INTENSITY, FURN	200 EA
PLASTIC DRUM, HIGH INTENSITY, OPER	200 EA
TRAFFIC REGULATOR CONTROL	1.0 LSM

THE FOLLOWING ITEMS OF WORK ARE ESTIMATED FOR THE ENTIRE PROJECT TO CORRECT POSSIBLE UNSTABLE SUB GRADE CONDITIONS WHERE DESIGNATED BY THE ENGINEER.

SUBGRADE UNDERCUTTING, TYPE II	150 CYD
SUBGRADE UNDERCUTTING, SPECIAL	125 SYD

THE FOLLOWING ITEMS OF WORK ARE ESTIMATED FOR THE ENTIRE PROJECT FOR EROSION AND SEDIMENTATION CONTROL WHERE DESIGNATED BY THE ENGINEER.

EROSION CONTROL, INLET PROTECTION, FABRIC DROP	30 EA
EROSION CONTROL, SILT FENCE	800 PT

THE FOLLOWING ITEMS OF WORK ARE ESTIMATED FOR THE ENTIRE PROJECT FOR SLOPE RESTORATION WHERE DESIGNATED BY THE ENGINEER.

TURF ESTABLISHMENT, PERFORMANCE	3932 SYD
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SOIL EROSION CONTROL

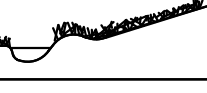

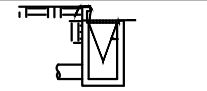


SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE CITY OF OWOSSO STANDARDS. REFER TO MDOT STANDARD PLAN R-96-E SERIES.

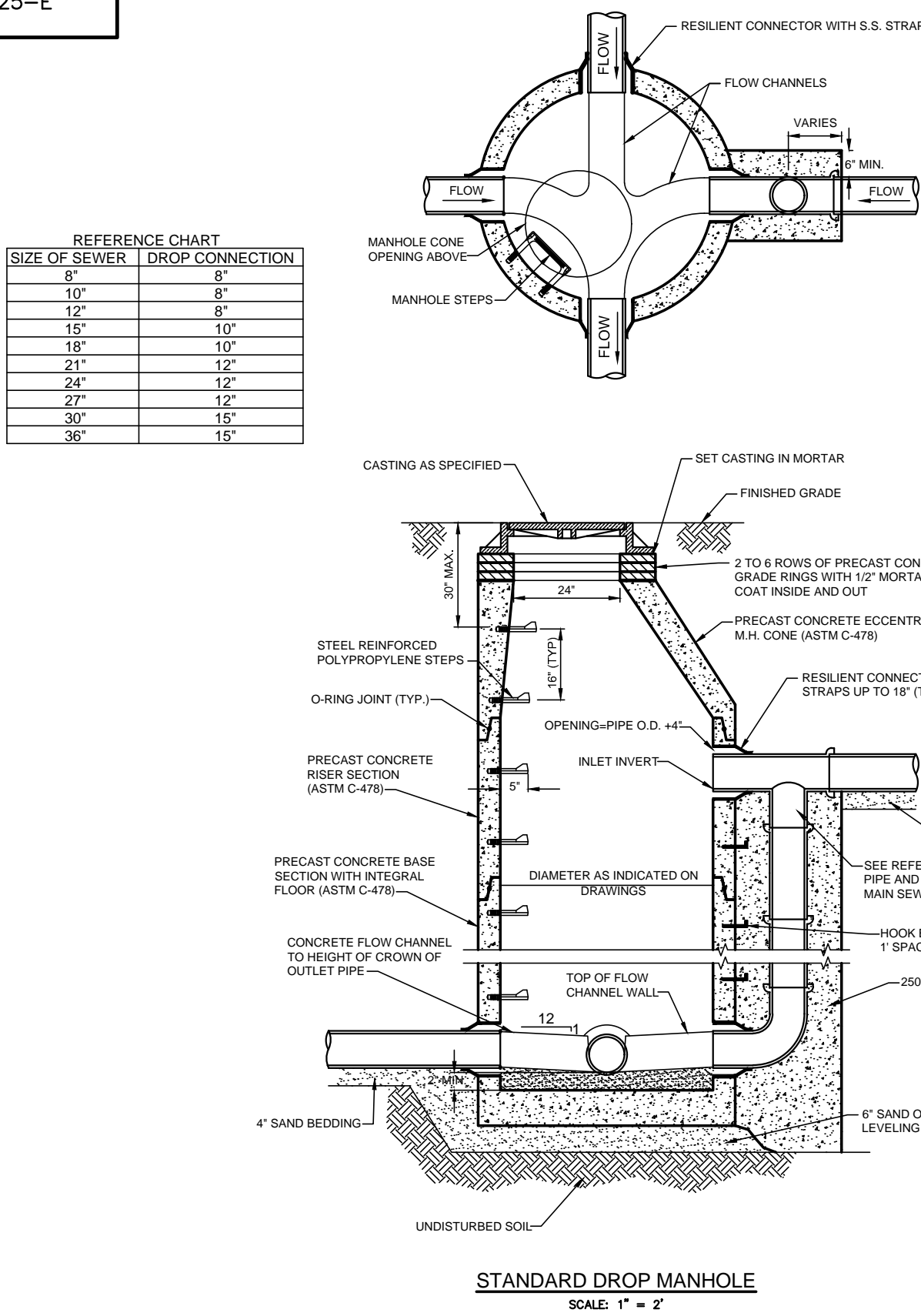
ALL DISTURBED AREAS WILL RECEIVE PERMANENT EROSION CONTROL WITHIN 5 DAYS OF FINAL GRADING.

ALL AREAS OUTSIDE THE SLOPE STAKE LINE MUST REMAIN UNDISTURBED TO ACT AS A NATURAL SEDIMENT FILTER.

ALL STOCKPILES OF STRIPPED TOPSOIL SHALL BE SURROUNDED BY SILT FENCE AND NOT PLACED ADJACENT TO WET AREAS OR OPEN DRAINS.

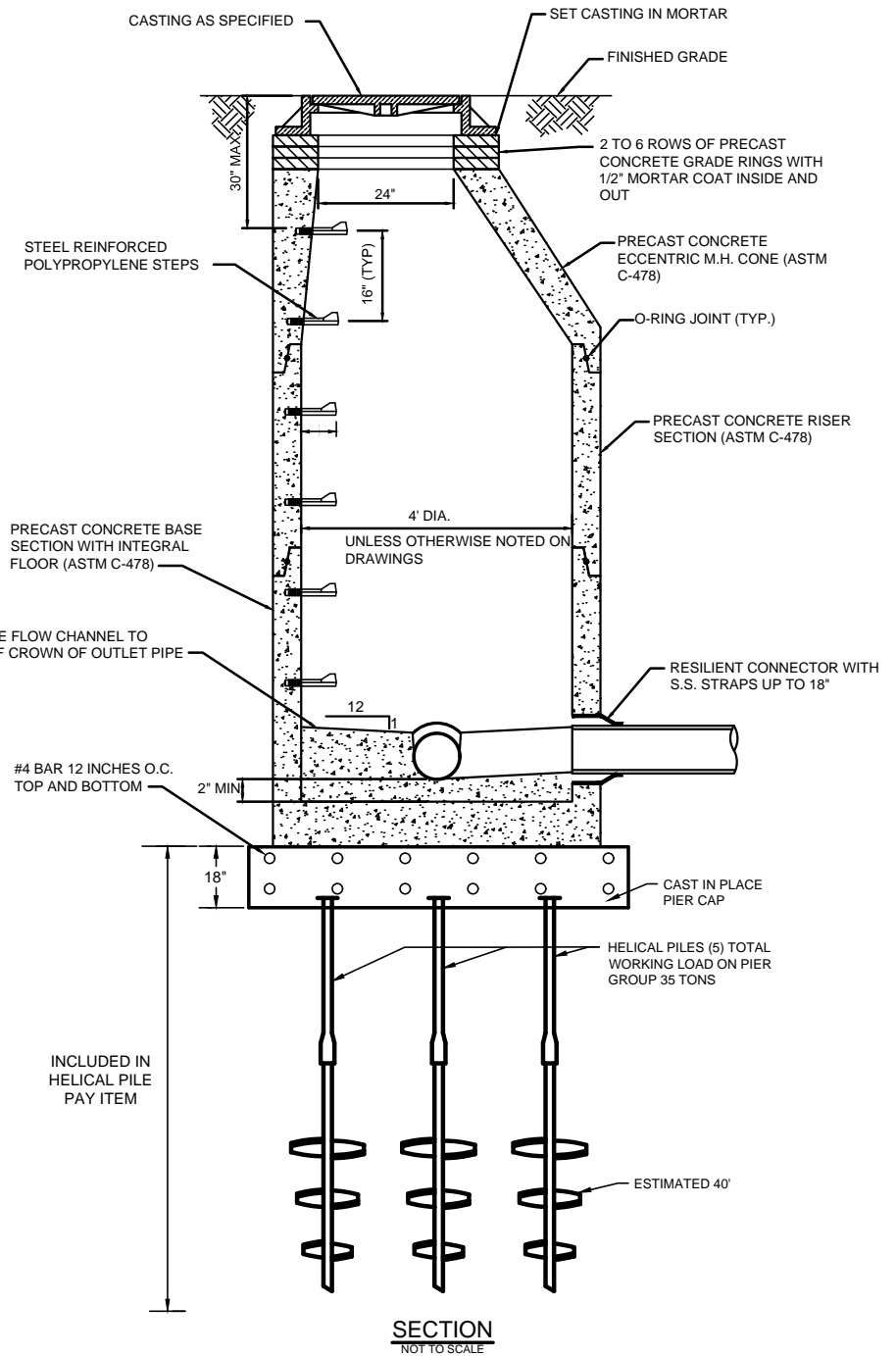
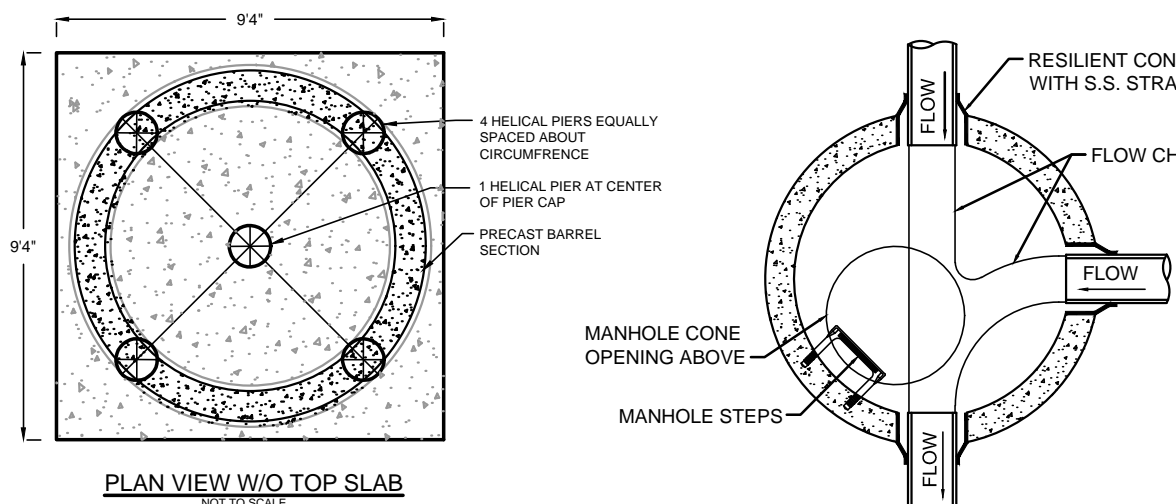
SEDIMENT TRACKED ONTO ADJACENT ROADS AND PAVED AREAS DUE TO CONSTRUCTION ACTIVITIES SHALL BE SWEEPED AND KEPT CLEAN ON A DAILY BASIS.

1	SEEDING		When bare soil is exposed, temporarily or permanently, to erosive forces from wind and or water on flat areas, mild slopes, grassed waterways and spillways, diversion ditches and dikes, borrow and stockpile areas, and spoil piles.
26	DUST CONTROL		As a temporary measure on exposed and unstabilized areas that must be protected from wind or water erosion.
29	STORM DRAIN INLET PROTECTION		Around the entrance to a newly constructed catch basin or an inlet that will capture runoff from an earth change activity.
40	CHECK DAM		In constructed and existing flow corridors to reduce flow velocities.
61	SILT FENCE		As a temporary measure used to capture sediment from sheet flow. May also divert small volumes of sheet flow to protected outlets.



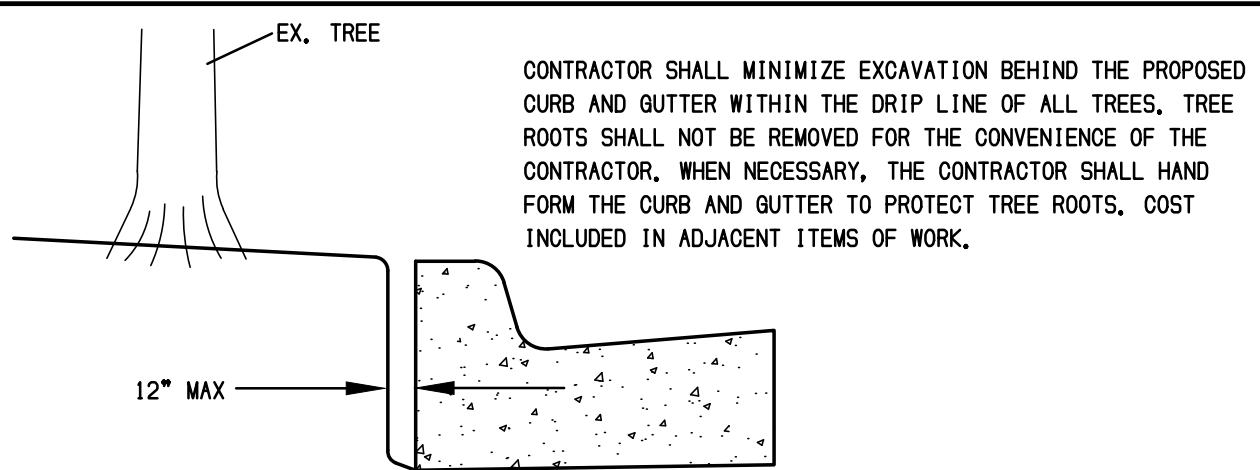
SAW CUTTING HMA AND CONCRETE SURFACES

SAW CUTTING THE EXISTING HMA AND CONCRETE SURFACES TO THE LIMITS OF CONSTRUCTION OR AS DIRECTED BY THE ENGINEER SHALL BE CONSIDERED INCLUDED IN OTHER RELATED CONTRACT ITEMS. THIS ALSO INCLUDES SAW CUTTING DRIVES AT THE REPLACEMENT LIMITS. IF AN EDGE IS DAMAGED SUBSEQUENT TO SAW CUTTING, THE EDGE SHALL BE RECUT AS DIRECTED BY THE ENGINEER. SAW CUTTING & ADDITIONAL PAVEMENT REMOVAL SHALL BE CONSIDERED INCLUDED IN OTHER RELATED CONTRACT ITEMS. SAW CUTTING SHALL BE FULL DEPTH OF THE PAVEMENT BEING SAWS. MAINTAIN 1 FT MINIMUM DISTANCE FROM PROPOSED LANE LINE FOR FULL DEPTH SAW CUT.

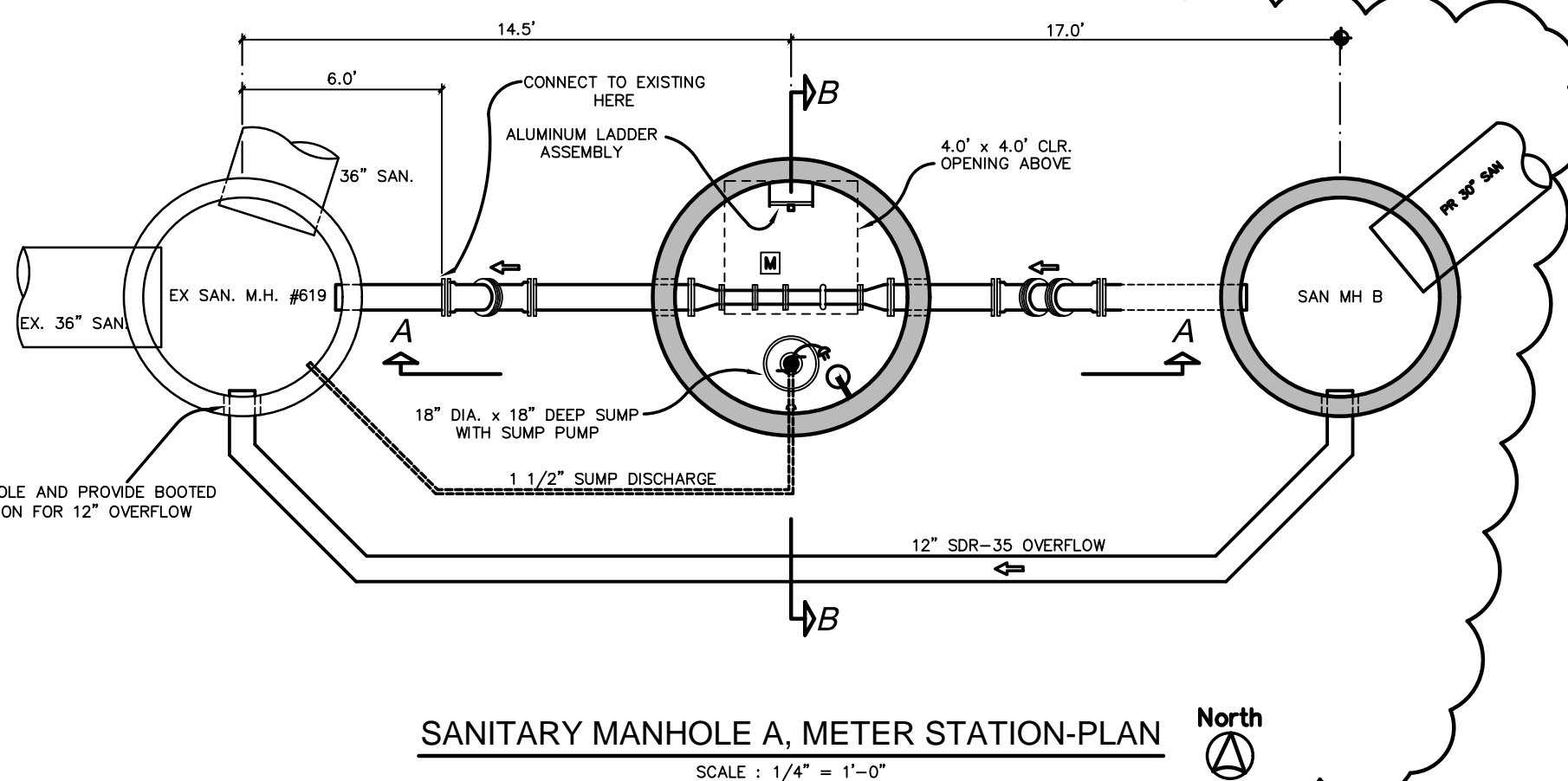


SECTION
NOT TO SCALE

HELICAP PILE AND CAP DETAIL FOR MANHOLES
STM MH 3, 5, AND 6
SAN MHR AND S



CONCRETE CURB AND GUTTER
CONSTRUCTION AT TREES DETAIL
SCALE: 1\"/>



SANITARY MANHOLE A, METER STATION-PLAN

SCALE: 1/4\"/>



NOTE AND
MISCELLANEOUS DETAILS

NO.	DATE	BY	DATE	BY	DATE
1	6/20/19	ELM	5/10/19	APPROVED	
APPENDUM NO. 3					

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CITY OF MUSKEGON
SPRING STREET SEWER REROUTE AND
BOURDON STREET ALLEY SEWER
MICHIGAN EGLE SRF PROJECT NO. 5675-01
MICHIGAN EGLE DWRF PROJECT NO. 7449-01

PROJECT NO.

18051

SHEET NO.

16 of 18