City of Muskegon 2025 Road & Utility Construction Project Summary

Project Name: Amity Bridge Removal

Project Type: Reconstruction

Contractor: Anlaan Corporation

City Neighborhood(s): Angell

Project Summary: The bridge has been deteriorating for a number of years and is not passing inspections. The bridge will be removed, the gully will be filled in and the roadway restored.

Changes to Expect: Since the bridge will be removed, the road will be closed to all traffic. Sidewalks will be replaced and roadway restored.

Timeline/Timeframe: To be determined

Lane, Road or Intersection Shutdown: Amity to Fork and the intersection of Myrtle/Cedar will be closed. Residences on the east side of the bridge will have to park along Fork or enter from the east.

Project Contact Information:

Joel Brookens
Assistant City Engineer
Joel.brookens@shorelinecity.com
(231) 724-6900

FAQs:

How will my trash get picked up? The contractor will work with the City and Republic Waste to make sure your trash is picked up. If your trash can needs to be moved, the Contractor will be responsible for moving it and returning it. It is advised to write your address on your can.

Why do all the trees in the streets need to be removed? The sewers and water mains that are being replaced are far underground, in some cases as deep as 12 feet down. In order to safely dig down that far, the trees need to be removed. Replacement trees will be planted the year after the project.

Why does the contractor need to get inside my house? A small portion of your water service pipe (the pipe that brings water into your home) is made of lead. The City is working to replace all water service pipes that have that small piece of lead, and the time has come for your service line to be replaced. The state requires the pipe be replaced all the way to your water meter, which is probably inside your home. The contractor will need to get to your water meter and work in that area as part of the replacement. In the meantime, your water is safe to drink. If you have any questions about this or about lead in your water, reach out to the project contacts listed above.

ELECTRIC JOEL BROWN CONSUMERS ENERGY 700 E STERNBERG ROAD NORTON SHORES, MI 49441 (231) 332-2682

TELEPHONE MIKE THOMPSON FRONTIER COMMUNICATIONS 860 TERRACE STREET MUSKEGON MI 49440

NATURAL GAS ANTHONY FERRIER DTE ENERGY 2359 OLTHOFF DRIVE MUSKEGON MI 49444

COMCAST JASON BROWN JASON_BROWN6@COMCAST.COM

WATER & SEWER CITY OF MUSKEGON - DPW 1350 E KEATING AVENUE MUSKEGON MI 49442 (231) 724-4100

OFFICE 734-359-1942

STANDARD PLANS

R-I-G DRAINAGE STRUCTURES R-7-F COVER B R-I5-G COVER K R-28-J SIDEWALK RAMP AND DETECTABLE WARNING DETAILS R-29-I DRIVEWAY OPENINGS & APPROACHES AND CONCRETE SIDEWALKS R-30-G CONCRETE CURB & GUTTER R-83-C UTILITY TRENCHES R-96-E SOIL EROSION & SEDIMENTATION CONTROL MEASURES

TRAFFIC/SAFETY STANDARD PLANS

*WZD-100-A GROUND DRIVEN SIGN SUPPORTS FOR TEMPORARY SIGNS *WZD-I25-E TEMPORARY TRAFFIC CONTROL DEVICES * INDICATES SPECIAL DETAIL INCLUDED IN PROPOSAL

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION 2020 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND THE 2011 MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THESE IMPROVEMENTS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE 2018 AASHTO; A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS

GENERAL NOTES:

- EXISTING CONDITIONS INCLUDING ELEVATIONS ARE SUBJECT TO CHANGE DUE TO CONSTRUCTION OUTSIDE THE CONTROL OF THE CITY OF MUSKEGON, CONTRACTOR IS TO VERIFY EXISTING CONDITIONS OF THE SITE, MATCH ALL EXISTING MEETS AND COORDINATE WORK ACTIVES WITH NEIGHBORING CONTRACTORS
- UPON REQUEST AND APPROVAL, THE CONTRACTOR MAY OBTAIN A WATER SUPPLY FROM THE CITY OF MUSKEGON FIRE HYDRANTS AT NO COST, PROVIDED THAT THEY FOLLOW THE CONDITIONS OF THE CITY WATER DEPARTMENT.
- 3. FOR PROTECTION OF UNDERGROUND UTILITIES, THE CONTRACTOR SHALL CALL MISS DIG. I-800-482-7171, A MINIMUM OF 3 WORKING DAYS EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS PRIOR TO EXCAVATING IN THE VICINITY OF ALL UTILITY LINES. ALL MISS DIG PARTICIPATING MEMBERS WILL THUS BE NOTIFIED, THIS DOES NOT RELIEVE THE CONTRACTOR THE RESPONSIBILITY OF NOTIFYING OWNERS WHO MAY NOT BE PART OF THE MISS DIG ALERT SYSTEM.
- 4. PUBLIC UTILITIES OF ALL TYPES HAVE BEEN SHOWN ON THE PLAN USING AVAILABLE INFORMATION, BUT ARE NOT GUARANTEED AS ACCURATE OR THAT UTILITIES OTHER THAN THOSE SHOWN ARE NOT PRESENT.
- 5. THE CONTRACTOR SHALL SAW CUT ALL MEETS RELATIVE TO SIDEWALK OR PAVEMENT CONSTRUCTION UNLESS WAIVED BY THE ENGINEER. PAYMENT FOR SAW CUTTING SHALL BE INCLUDED IN THE PAYMENT FOR THE PAY ITEMS PAVT, REM, MODIFIED; CURB AND GUTTER, REM; AND/OR SIDEWALK, REM. NO ADDITIONAL PAYMENT WILL ALLOWED FOR SAW CUTTING.
- 6. THE CONTRACTOR SHALL PREVENT EROSION AND CONTROL SEDIMENTATION ASSOCIATED WITH THE PROJECT, KEEP SEDIMENTATION WITHIN THE RIGHT OF WAY (OR CONSTRUCTION LIMITS) AND OUT OF SURFACE WATERS. CONSTRUCT AND MAINTAIN TEMPORARY EROSION AND SEDIMENTATION CONTROLS, TO INCLUDE INLET PROTECTION, FABRIC DROPS ON ALL INLET STRUCTURES NEW AND EXISTING AND INSTALL TEMPORARY EROSION, SEDIMENTATION CONTROLS AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL REMOVE ON A DAILY BASIS SOIL TRACKED ONTO EXISTING PAVED ROADS, (VACUUM METHODS ARE PREFERRED BUT BROOM SWEEPING IS ACCEPTABLE IF THE MATERIAL IS REMOVED) THE CONTRACTOR SHALL INSPECT ALL SOIL EROSION / SEDIMENTATION CONTROL MEASURES ON A WEEKLY BASIS OR AFTER EACH RAIN FALL EVENT, CLEAN REPAIR, OR REPLACE, AS NECESSARY, TO ENSURE PROPER FUNCTION. ALL SOIL EROSION / SEDIMENTATION CONTROLS SHALL REMAIN UNTIL ALL DISTURBED AREAS ARE STABILIZED. ALL SOIL EROSION / SEDIMENTATION CONTROL, EXCEPT FOR THE EROSION CONTROL, INLET PROTECTION, FABRIC DROP AND SILT FENCE SHALL BE INCLUDED WITH THE PAY ITEM PROJECT CLEAN UP. NO OTHER PAYMENT SHALL BE MADE.
- 7. EXISTING TRAFFIC CONTROL SIGNS THAT NEED TO BE REMOVED TO ALLOW THE CONTRACTOR TO WORK WILL BE REMOVED BY THE CONTRACTOR AND STORED IN A SAFE PLACE TO AVOID DAMAGE. THE CONTRACTOR SHALL THEN REINSTALL THE SIGNS IN THEIR ORIGINAL LOCATION OR AS DIRECTED BY THE ENGINEER. REMOVAL AND REPLACEMENT OF THE SIGNS WILL BE INCLUDED IN THE ITEM OF MINOR TRAFFIC DEVICES. SIGNS THAT ARE DAMAGED BY THE CONTRACTOR WILL BE REPLACED BY CITY FORCES, AND THE CONTRACTOR WILL PAY THE CITY FOR THE COST OF REPLACEMENT.
- 8. OLD PLANS DO NOT EXIST FOR THIS STRUCTURE.
- 9. THE BRIDGE PAINT CONTAINS LEAD.
- 10. THIS PROJECT HAS BEEN EVALUATED USING THE FAA NOTICE CRITERIA TOOL FOR A STRUCTURE HEIGHT OF 25 FEET ABOVE A GROUND ELEVATION OF 620 FEET AND NO PERMITS ARE REQUIRED.



CITY OF MUSKEGON

PLAN AND PROFILE OF PROPOSED AMITY AVE BRIDGE REMOVAL

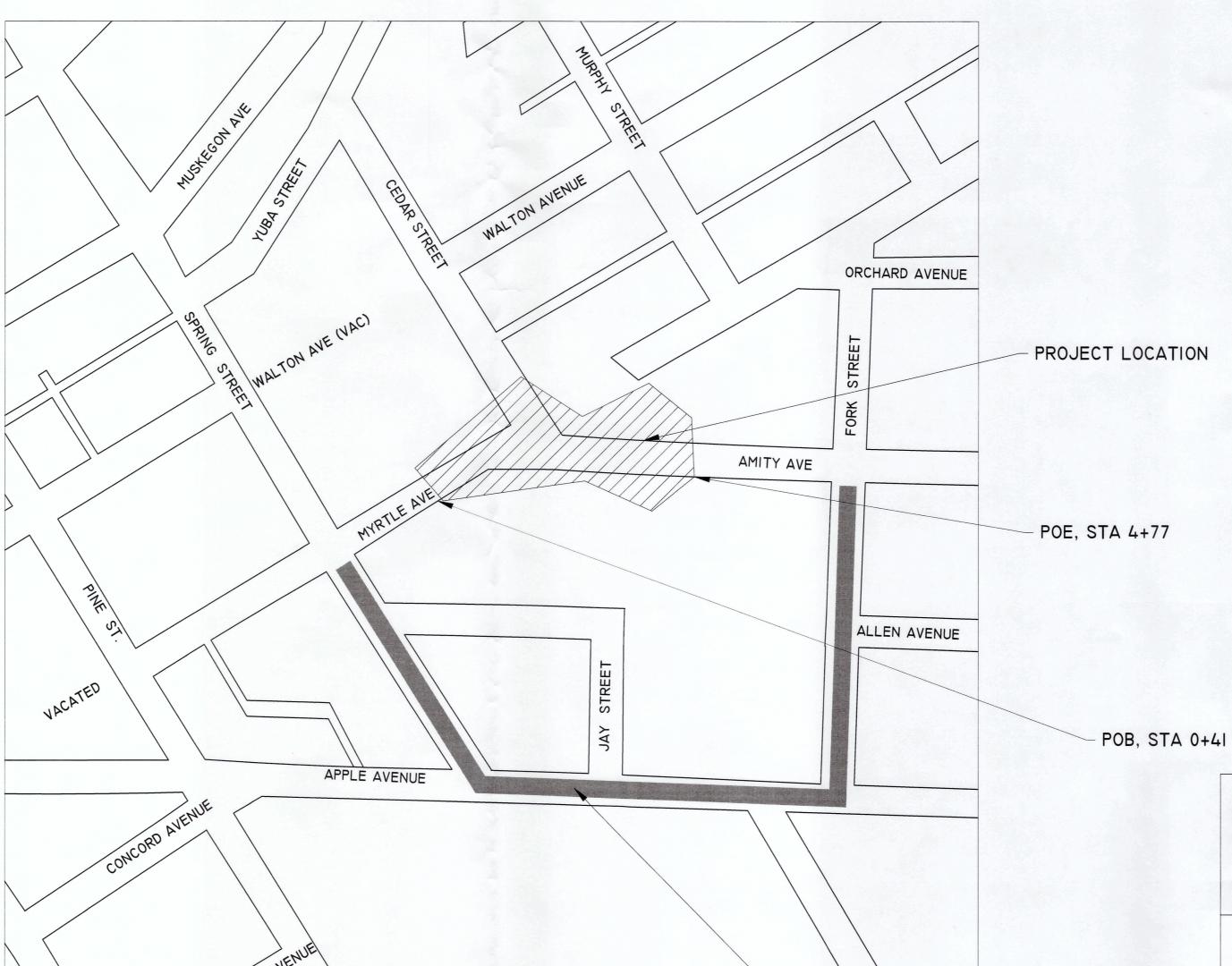
IN COOPERATION WITH

MICHIGAN DEPARTMENT OF TRANSPORTATION

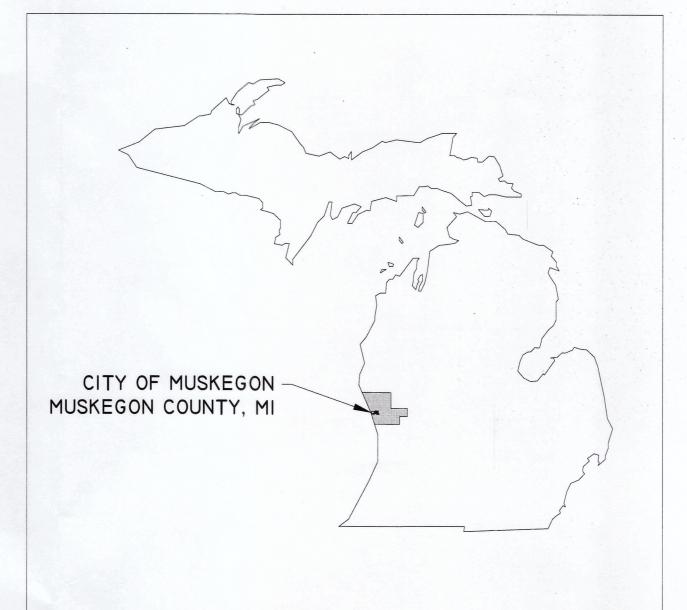
FEDERAL HIGHWAY ADMINISTRATION

CONTROL SECTION: 61000 JOB NUMBER: 218168 SN: 7699

MUSKEGON, SECTION 20, TION, RIGW



DETOUR ROUTE (SEE PAGE 5)



SHEET INDEX

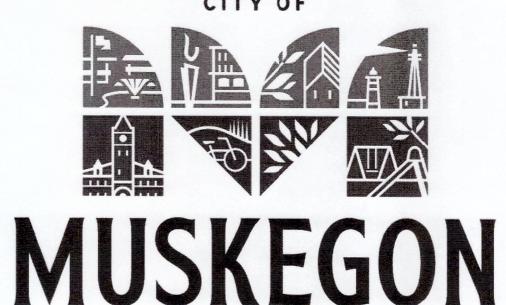
DESCRIPTION

TITLE SHEET CROSS SECTION & DETAILS

EXISTING AND REMOVALS PROPOSED

TRAFFIC CONTROL PLAN

CITY OF



AMITY AVE. TRAFFIC DATA

2023 PRESENT ADT 2023 COMMERCIAL 2043 FUTURE ADT 2043 COMMERCIAL DESIGN SPEED POSTED SPEED

250 2% 30 MPH NOT POSTED

CONSTRUCTION INCLUDES 0.08 MILES OF HMA PAVEMENT RECONSTRUCTION; INCLUDING BRIDGE REMOVAL, HMA REMOVAL, HMA PAVEMENT, STORM SEWER, CONCRETE SIDEWALKS, AND CURB & GUTTER ON AMITY AVE IN THE CITY OF MUSKEGON, MUSKEGON COUNTY.

PREPARED UNDER THE SUPERVISION OF:



DAN VANDERHEIDE P.E. CITY ENGINEER

> 57004 REGISTRATION NUMBER

CITY OF MUSKEGON ENGINEERING DEPARTMENT 1350 E KEATING AVE MUSKEGON MI 49442

AMITO

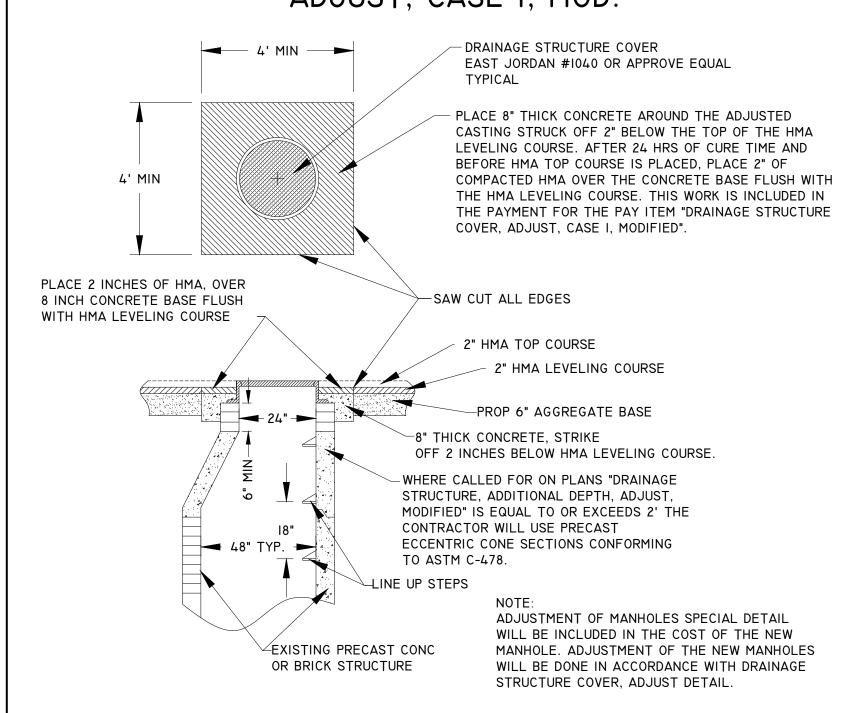
92123 YRTLE

EGON

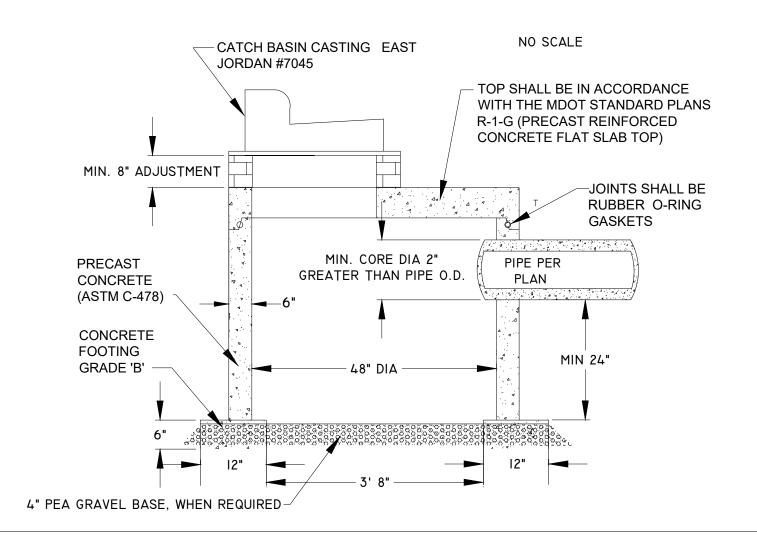
MUSKI E CITY E

0 4

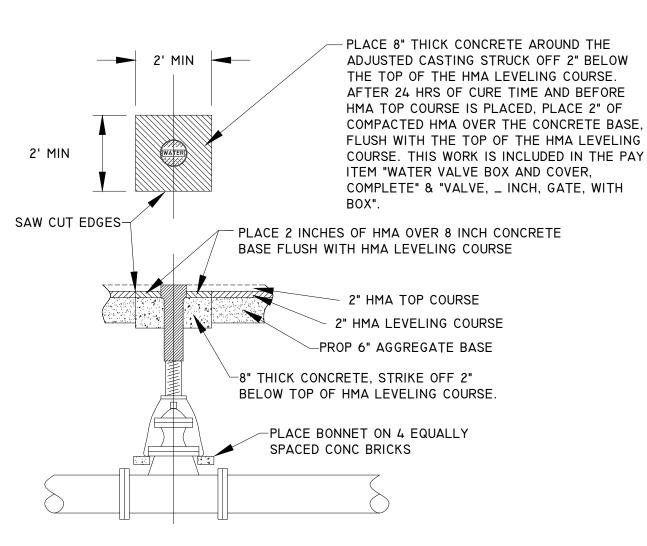
DETAIL FOR: DRAINAGE STRUCTURE COVER, ADJUST, CASE I, MOD.



DETAIL FOR: CATCH BASIN 4 FT SPECIAL DETAIL

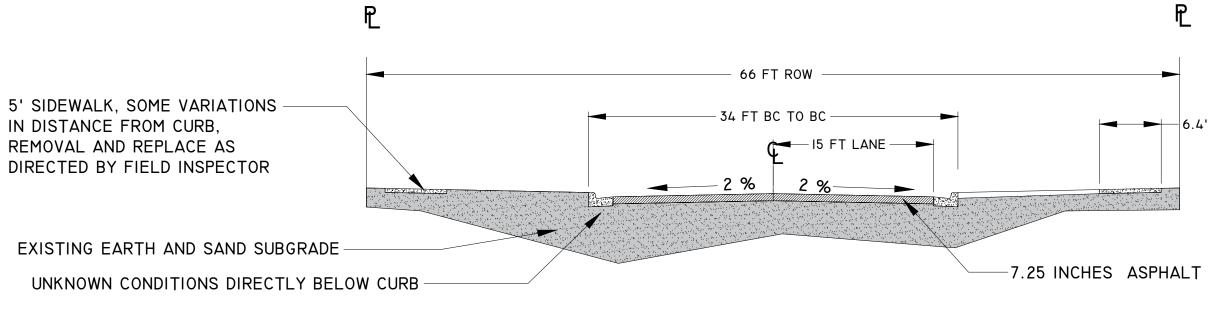


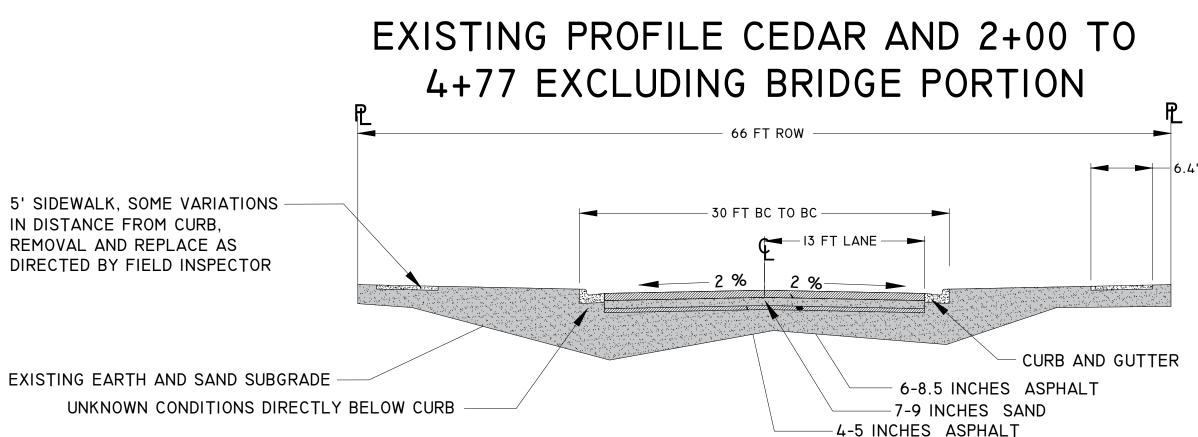
DETAIL FOR: WATER VALVE BOX AND COVER, COMPLETE



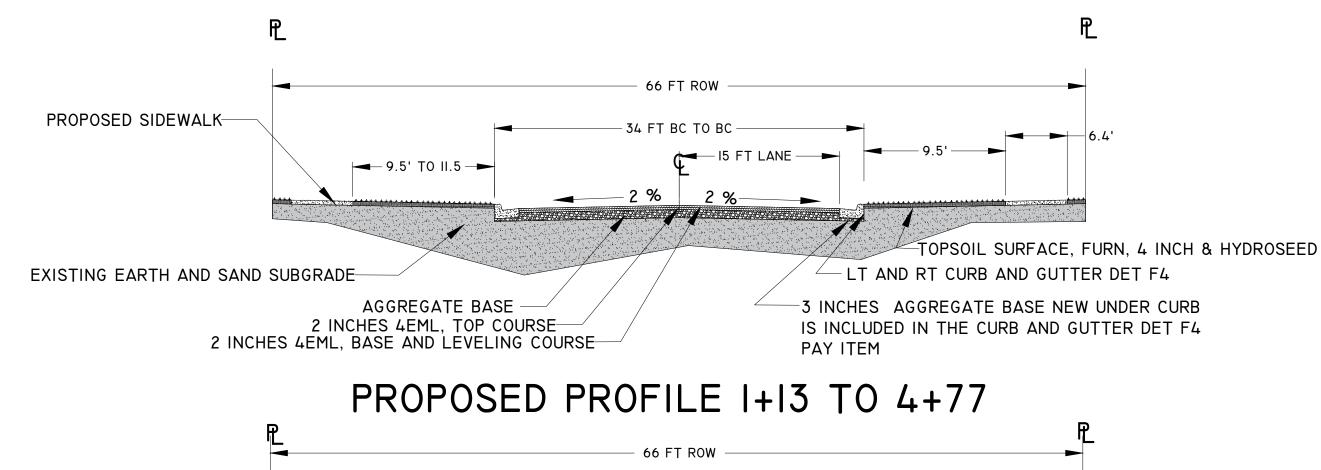
DETAIL SHEET

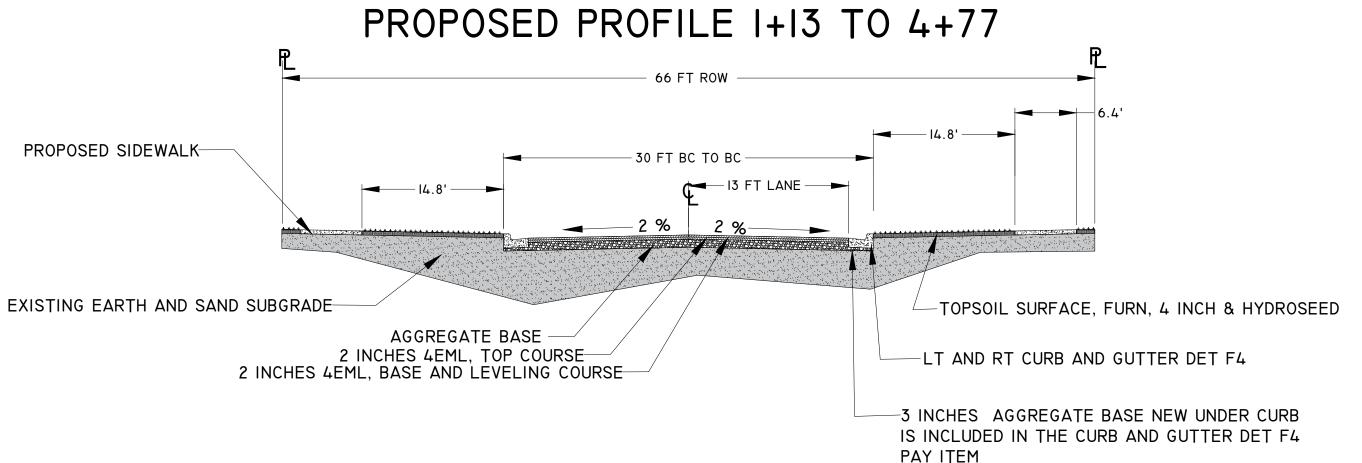
EXISTING PROFILE 0+41 TO 1+00 MYRTLE TO CEDAR





PROPOSED 0+41 TO I+13 MYRTLE TO CEDAR





DRAINAGE STRUCTURE COVERS

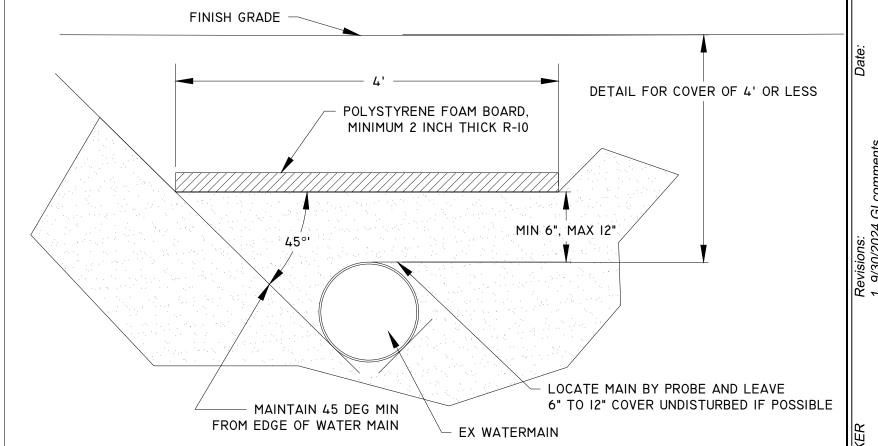
TYPE	CASTING DESCRIPTION	QTY
COVER B, MODIFIED	MANHOLE CASTING EAST JORDAN #1040 OR EQUAL SEE MANHOLE CASTING DETAIL FOR TYPE A SOLD COVER	6
COVER K, MODIFIED	CATCH BASIN CASTING EAST JORDAN #7045 OR EQUAL	4

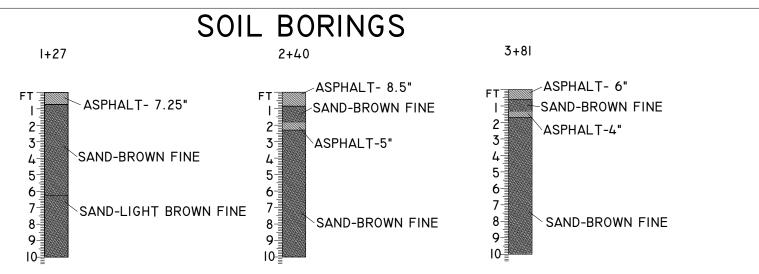
HMA APPLICATION

HMA MIX	RATE	PERFORMANCE GRADE			
HMA, 4E3 (TOP COURSE)	220# / SYD	64-28	2 INCH-I LIFT		
HMA, 4E3 (LEVELING COURSE)	220# / SYD	58-22	2 INCH-I LIFT		
HAND PATCHING (HMA, 4E3)	440# / SYD	64-28	4 INCH-2 LIFTS		

*HMA BOND COAT, SS-IH, AT 0.05 TO 0.15 GAL/SY, SHALL BE PLACED BETWEEN EACH LIFT. THE COST IS INCLUDED WITH THE HMA, __ PAY ITEM.

DETAIL FOR: INSULATION BOARD, 2 INCH

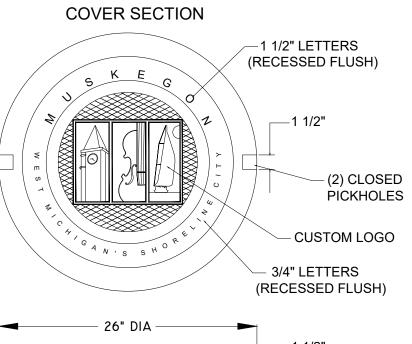


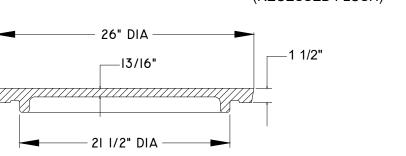


SOIL BORES PERFORMED ON JUNE 18, 2024 WITH 3-1/4" HOLLOW STEM AUGER. WATER NOT ENCOUNTERED. COMPLETE REPORT IS INCLUDED IN CONTRACT.

DETAIL FOR: TYPE A SOLID COVER

TYPE A LOGO MANHOLE COVER





EXCAVATION NOTE: STA 0+41 TO 4+77

THERE WILL BE APPROXIMATELY 1731 CYD. EXCAVATION, EARTH. ALL OF EXCAVATED MATERIAL MEETING CLASS II WILL BE USED AS EMBANKMENT.

EMBANKMENT, LM;

THERE WILL BE APPROXIMATELY 325I CYD EMBANKMENT, LM. 173I CYD FROM ONSITE EXCAVATION, EARTH AND 1520 CYD ADDITIONAL

DUE CONSTRUCTION PHASING, STOCK PILING MAY BE REQUIRED. IF STOCKING PILING IS NOT DESIRABLE, CONTRACTOR MAY REMOVE SOILS FROM THE SITE AND PROVIDE FILL AS NEEDED AT NO ADDITIONAL COST TO THE CITY. IN THIS CASE, FILL WILL BE INCLUDED IN THE PAY ITEM EMBANKMENT

CROSS SECTION AND DETAILS

AMITY, TO FORK

H 92123 MYRTLE

JE MUSKEGON THE CITY ENGINEER O R CITY OFFICE

