## PROJECT CONTACTS

OWNER/APPLICANT/DEVELOPER: VAN BUREN TOWNSHIP 46425 TYLER ROAD VAN BUREN TWP, MI 48111 CONTACT: ELIZABETH RENAUD DIRECTOR OF COMMUNITY SERVICES PHONE: (734) 699–8900 EXT 9258 EMAIL: ERENAUD@VANBUREN-MI.ORG

CIVIL ENGINEER: PEA, INC. 7927 NEMCO WAY, SUITE 115 BRIGHTON, MI 48116 CONTACT: JILL RICKARD, P.E. PHONE: (810) 900-9044 EMAIL: JRICKARD@PEAGROUP.COM

LANDSCAPE ARCHITECT: PEA, INC. 7927 NEMCO WAY, SUITE 115 BRIGHTON, MI 48116 CONTACT: JEFF SMITH, P.L.A. PHONE: (517) 546-8583 FAX: (517) 546-8973 EMAIL: JSMITH@PEAGROUP.COM

NORFOLK SOUTHERN CORPORATION: 650 W PEACHTREE STREET, NW., BOX 45 ATLANTA, GA 30308 CONTACT: ELDRIDGE W CHAMBERS, ENGINEER PUBLIC IMPROVEMENT PHONE: (404) 529–1436 FAX: (404) 592-2589 ELDRIDGE.CHAMBERS@NSCORP.COM

### NORFOLK SOUTHERN NOTE:

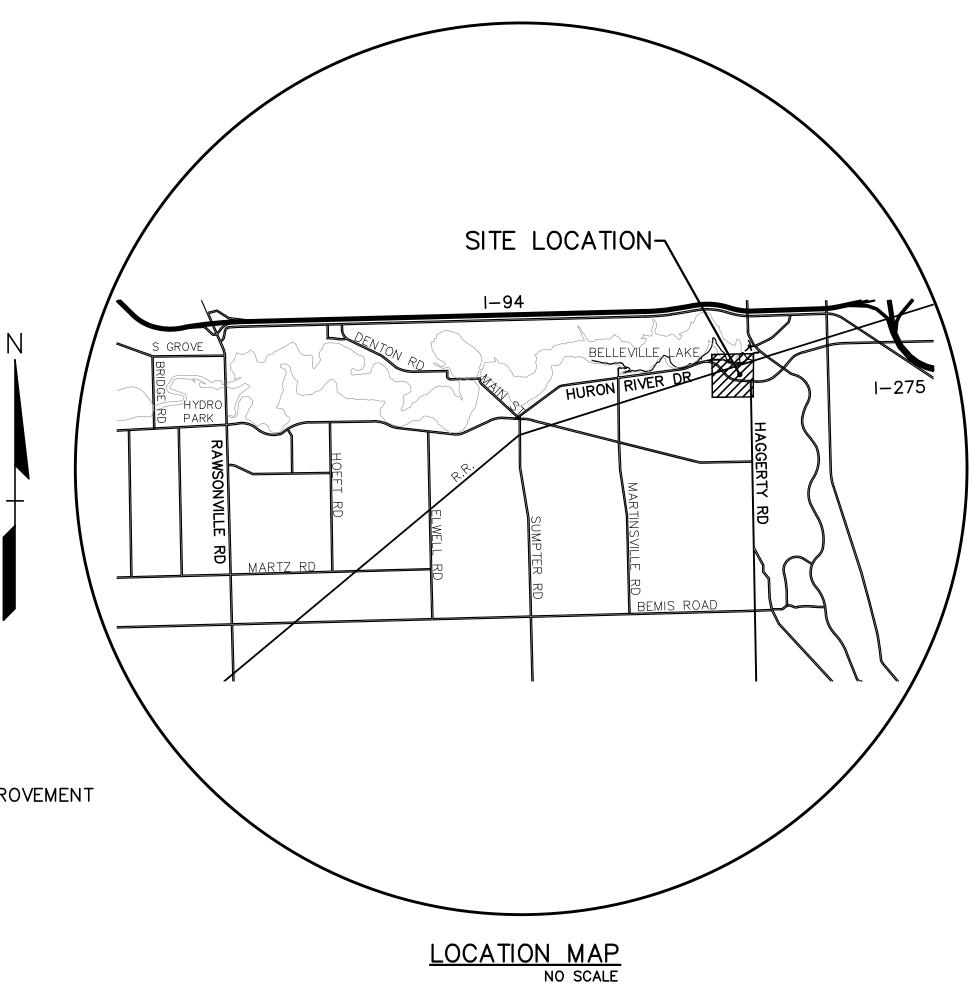
GREAT LAKES DIVISION MP D-21.73. CONTRACTOR SHALL NOTIFY THE WAYNE COUNTY TRAFFIC DEPARTMENT BEFORE STARTING CONSTRUCTION AND FOR ADDITIONAL UNDERGROUND INFORMATION AT (734) 955-2154. ROMULUS, MICHIGAN -NS FILE CX1114226 -HURON RIVER DRIVE AT-GRADE SIDEWALK CONSTRUCTION.

WAYNE COUNTY NOTE:

- WAYNE COUNTY R 20-656 REVIEW NUMBER.
- CONTRACTOR SHALL NOTIFY THE WAYNE COUNTY TRAFFIC DEPARTMENT BEFORE STARTING CONSTRUCTION AND FOR ADDITIONAL UNDERGROUND INFORMATION AT (734) 955-2154.

# CONSTRUCTION PLANS FOR IRON BELLE TRAIL VAN BUREN TOWNSHIP SECTON J VAN BUREN TOWNSHIP

WAYNE COUNTY, MI









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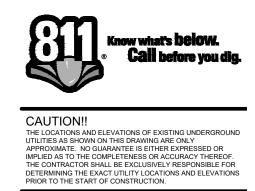
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CLIENT

46425 TYLER ROAD

PROJECT TITLE

VAN BUREN TOWNSHIP

SECTION J

VAN BUREN, MICHIGAN

REVISIONS

ORIGINAL ISSUE 12/2/20 REVISION 1/27/21

REVISION PER TWP

**REVISION NORFOLK SOUTHERN 11/10/21** REVISION PER MDOT ORDER 9/01/222

1/24/24

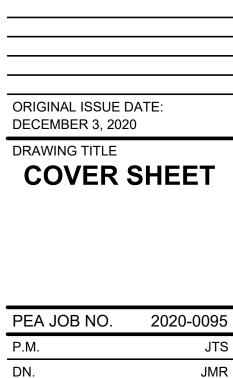
**IRON BELLE TRAIL -**

VAN BUREN, MICHIGAN

VAN BUREN TOWNSHIP

**VAN BUREN** 

CHARTER TOWNSHIP



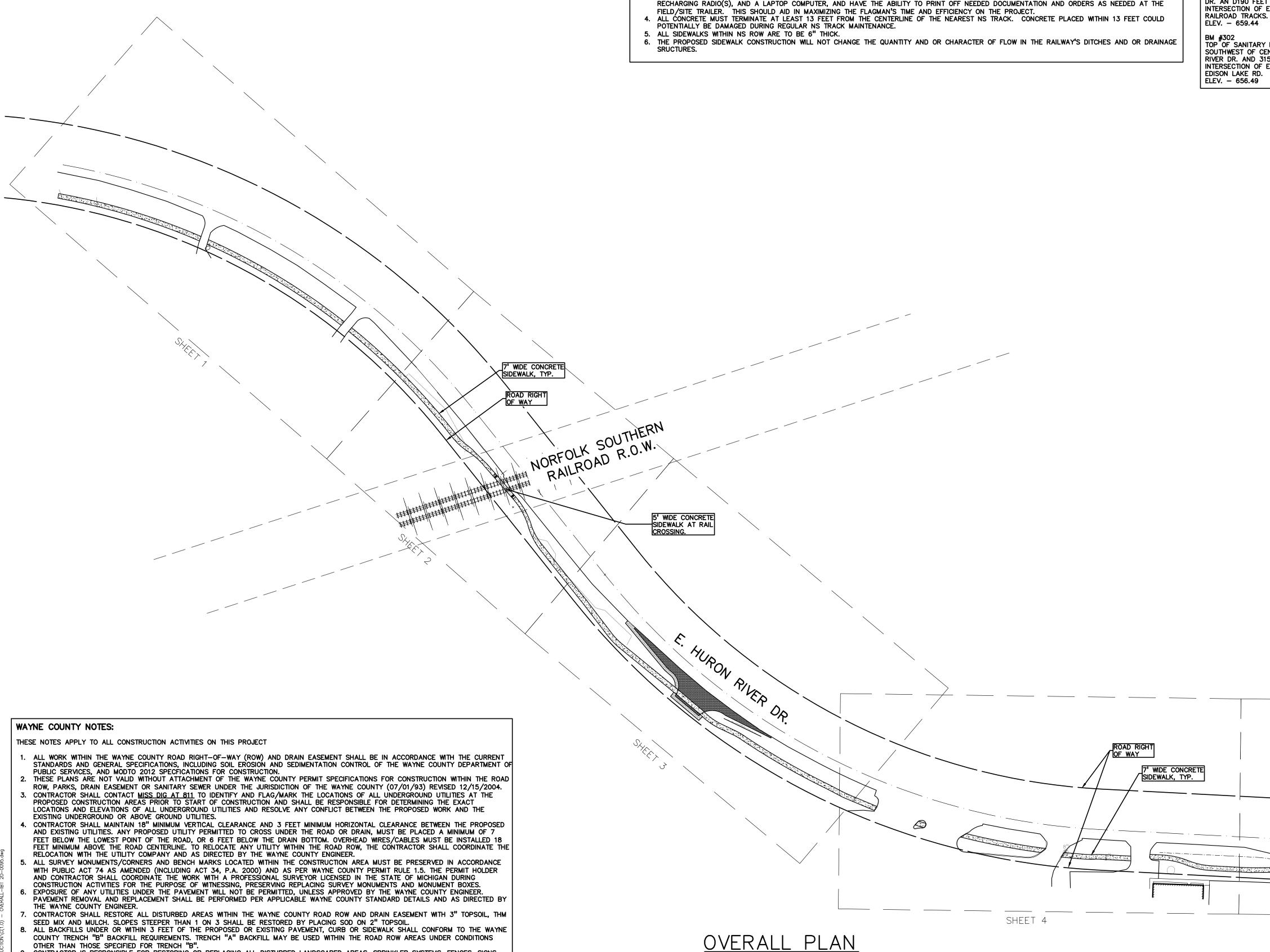
## NOT FOR CONSTRUCTION

C-0.0

DRAWING NUMBER:

JMR

DES.



- OTHER THAN THOSE SPECIFIED FOR TRENCH "B".
- 9. CONTRACTOR IS RESPONSIBLE FOR RESTORING OR REPLACING ALL DISTURBED LANDSCAPED AREAS, SPRINKLER SYSTEMS, FENCES, SIGNS, MAIL BOXES, ETC. WITHIN THE WAYNE COUNTY ROAD ROW AND / OR AS DIRECTED BY THE COUNTY ENGINEER. 10. CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC AT ALL TIMES OTHERWISE, DETOURING TRAFFIC MUST BE PER APPROVED PLANS, ALL SIGNING AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF M.M.U.T.C.D. 11. MAINTAIN A SAFE AND ADEQUATE TRAVEL ROUTE FOR PEDESTRIANS AT ALL TIMES THROUGHOUT THE PROJECT DURATION.
- 12. TUNNELING, BORING AND JACKING OPERATIONS SHALL BE IN ACCORDANCE WITH THE WAYNE COUNTY SPECIFICATIONS AND DETAILS. BORE PITS SHALL BE PLACED AT MINIMUM 10 FEET FROM THE BACK OF CURB OR EDGE OF PAVEMENT. 13. REMOVE ALL ABANDONED CONDUITS FROM THE COUNTY ROADS ROW OR AS DIRECTED BY THE WAYNE COUNTY ENGINEER.
- 14. CONTRACTOR SHALL PROVIDE COLD WEATHER PROTECTION FOR ALL PROPOSED CONCRETE WORK (PAVEMENTS, SIDEWALKS, DRIVE APPROACHES, ETC.) AS DIRECTED BY THE WAYNE COUNTY ENGINEER.
- 15. OVERNIGHT VEHICLE PARKING AND STORAGE OF CONSTRUCTION MATERIALS AND EQUIPMENT ARE NOT PERMITTED WITHIN THE WAYNE COUNTY ROADS RIGHTS-OF-WAY. 16. CONTRACTOR SHOULD OBTAIN A SOIL EROSION AND SEDIMENTATION CONTROL PERMIT FROM THE WAYNE COUNTY DPS. CONTACT THE WAYNE COUNTY SOIL EROSION OFFICE AT (734) 326-5565. OR THE COMMUNITY HAVING JURISDICTION OVER THE SOIL EROSION PERMIT. 17. CONTRACTOR SHALL NOTIFY THE WAYNE COUNTY TRAFFIC SIGNAL SHOP AT (734) 955-2154.
- 18. CONTRACTOR SHALL NOTIFY WAYNE COUNTY 72 HOURS PRIOR TO START OF CONSTRUCTION. CONTACT THE PERMIT OFFICE AT (734) 858-2764.

### NORFOLK SOUTHERN CORPORATION NOTES:

- THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES WITHIN THE NORFOLK SOUTHERN RIGHT OF WAY
- 1. ALL WORK TO BE PERFORMED ON, OVER, UNDER OR ADJAENT TO THE RAILROAD RIGHT-OF-WAY SHALL COMPLY WITH THE NORFOLK SOUTHERN RAILWAY COMPANY ("RAILROAD", "NSR" OR "NS") PUBLIC PROJECTS MANUAL (APPENDIX 3, SPECIAL PROVISIONS FORTHE PROTECTION OF RAILWAY INTEREST, AND APPENDIX H1, OVERHEAD GRADE SEPARATION DESIGN CRITERIA). WHEN IN CONFLICT WITH OTHER PROJECT SPECIFICATIONS, THE MORE STRINGENT ONE SHALL APPLY.
- 2. "ONE CALL" SERVICES DO NOT LOCATE BURIED RAILROAD SIGNAL AND COMMUNICATIONS LINES THE CONTRACTOR SHALL CONTACT THE RAILROAD'S UNDERGROUND FACILITIES. UPON REQUEST FROM THE CONTRATOR OR SPONSOR, RAILROAD FORCES WILL LOCATE AND PAINT MARK OR FLAG THE RAILROAD'S UNDERGROUND FACILITIES. (SEE NS PUBLIC PROJECTS MANUAL, APPENDIX E, SECTION 3.D).
- 3. FOR PROJECTS REQUIRING MORE THAN 30 CONSECUTIVE DAYS OF FLAGGING, CONTRACTOR SHALL PROVIDE THE FLAGMAN A SMALL WORK AREA WITH A DESK/COUNTER AND CHAIR WITHIN THE FIELD/SITE TRAILER, INCLUDING THE USE OF A BATHROOM FACILITIES, WHERE THE FLAGMAN CAN CHECK IN/OUT WITH THE PROJECT, AS WELL AS TO THE FLAGMAN'S HOME TERMINAL. THE WORK AREA SHOULD PROVIDE ACCESS TO TWO (2) ELECTRICAL OUTLETS FOR RECHARGING RADIO(S), AND A LAPTOP COMPUTER, AND HAVE THE ABILITY TO PRINT OFF NEEDED DOCUMENTATION AND ORDER'S AS NEEDED AT THE

### BENCHMARKS (GPS DERIVED - NAVD 88)

BM #300 TOP OF SANITARY MANHOLE 58 FEET SOUTH OF THE CENTER LINE OF EAST HURON RIVER DR. AND 45 FEET WEST OF THE CENTER LINE OF HAGGERTY RD. ELEV - 656.26

BM #301 TOP OF SANITARY MANHOLE, 48 FEET THE CENTER LINE OF THE EAST HURON DR. AN D190 FEET NORTHWEST OF THE INTERSECTION OF EAST HURON RIVER

BM #302 TOP OF SANITARY MANHOLE, 51 FEET SOUTHWEST OF CENTER LINE OF EAST RIVER DR. AND 315 FEET SOUTHEAST INTERSECTION OF EAST HURON RIVER

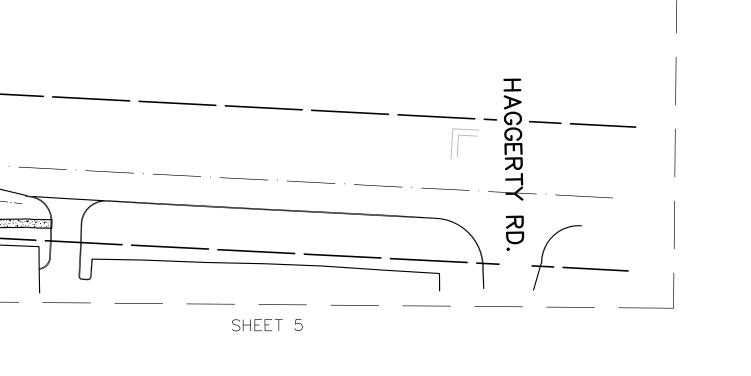
## NOT FOR CONSTRUCTION

PEA JOB NO.	2020-0095
P.M.	JTS
DN.	JMR
DES.	JMR
DRAWING NUMBER	

C-1.1

**OVERALL** 

SHEET





**REVISION NORFOLK SOUTHERN 11/10/21** 

1/24/24

REVISION PER MDOT ORDER 9/01/222

REVISION 1/27/21

REVISION PER TWP

ORIGINAL ISSUE DATE:

DECEMBER 3, 2020

DRAWING TITLE

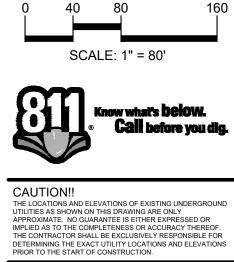


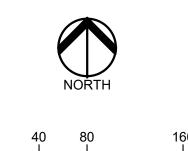
**IRON BELLE TRAIL -**SECTION J VAN BUREN TOWNSHIP





CLIENT VAN BUREN TOWNSHIP





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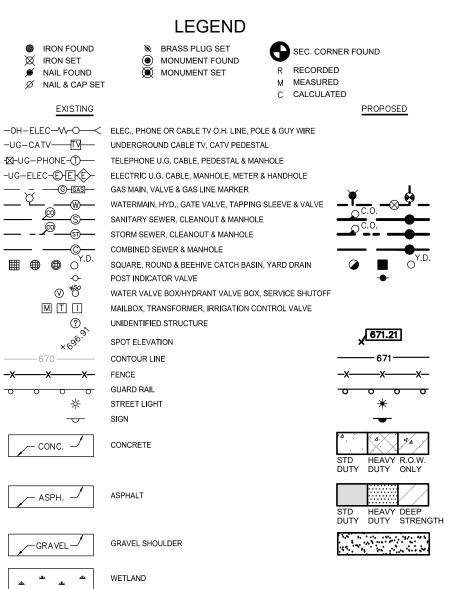
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t: 844.813.2949

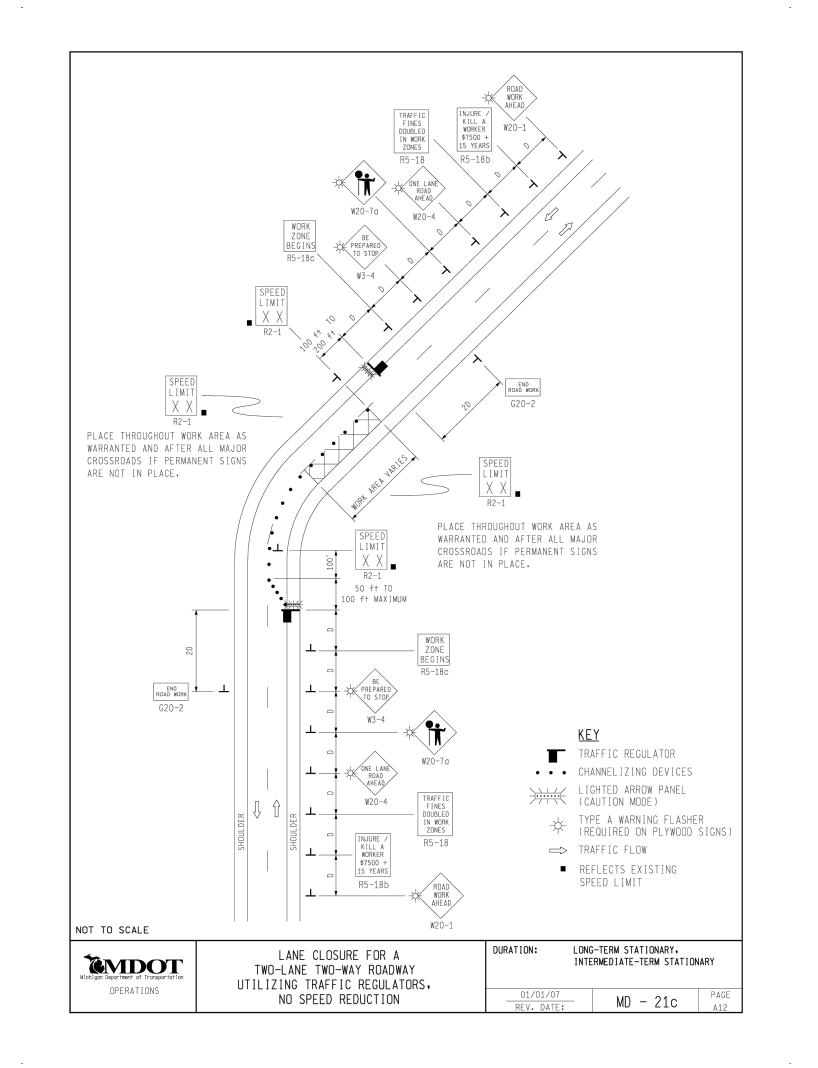
www.peagroup.com



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## TRAFFIC CONTROL PLAN E. HURON RIVER DRIVE



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NOTE: REFER TO MDOT MAINTENANCE WORK ZONE TRAFFIC CONTROL GUIDELINES FOR TRAFFIC CONTROL. DEVIATIONS MUST BE APPROVED BY THE ENGINEER.

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## NOT FOR CONSTRUCTION C-1.2

PEA JOB NO.	2020-0095
P.M.	JTS
DN.	JMR
DES.	JMR
DRAWING NUMBER	र:



DECEMBER 3, 2020

ORIGINAL ISSUE DATE:

REVISION PER TWP 1/24/24

REVISION 1/27/21 **REVISION NORFOLK SOUTHERN 11/10/21** REVISION PER MDOT ORDER 9/01/222

REVISIONS ORIGINAL ISSUE 12/2/20



IRON BELLE TRAIL -SECTION J VAN BUREN TOWNSHIP VAN BUREN, MICHIGAN



VAN BUREN, MICHIGAN

VAN BUREN TOWNSHIP 46425 TYLER ROAD

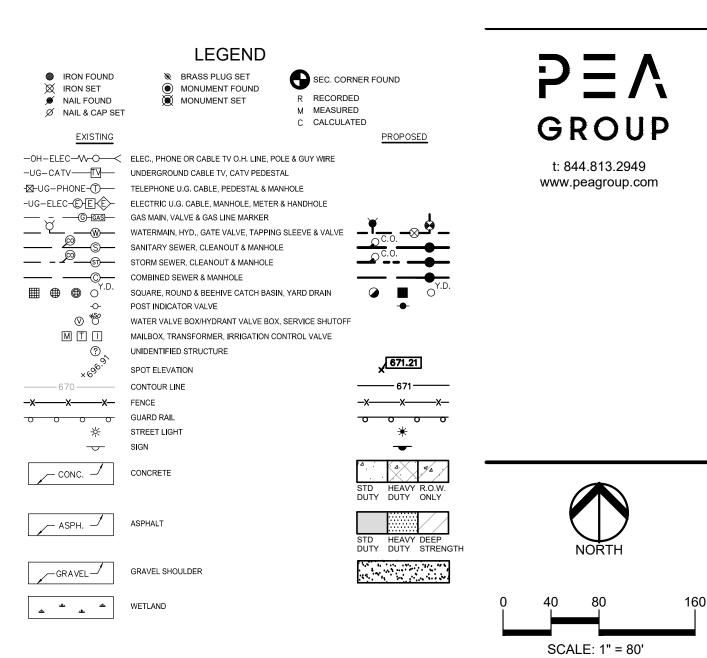
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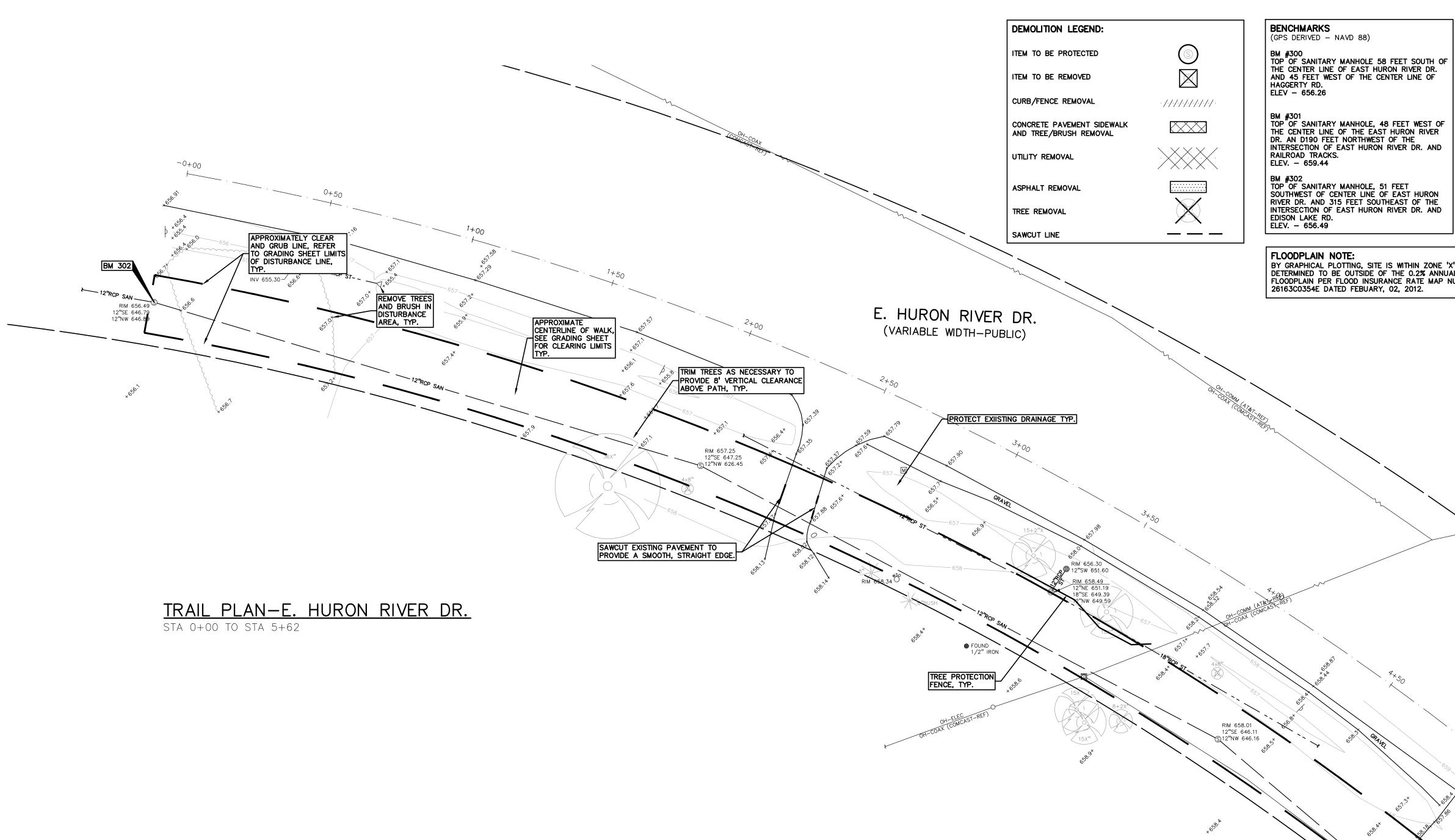
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CAUTION!!

Know what's DelOW **Call before you dig** 

CAU TIONN!! THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.





GE	NERAL DEMOLITION NOTES:	
THE	ESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT:	
1.	ALL MATERIAL TO BE REMOVED, WHETHER SPECIFICALLY NOTED IN THE PLANS OR NOT, SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AND DISPOSED OF OFF-SITE IN A LEGAL MANNER. NO ON-SITE BURY OR BURN PITS SHALL BE ALLOWED.	
2.	ALL DEMOLITION WORK SHALL CONFORM TO ALL LOCAL CODES AND ORDINANCES.	
3.	STAGING/PHASING OF DEMOLITION AND CONSTRUCTION IS TO BE COORDINATED WITH THE OWNER AND THE CONTRACTOR PRIOR TO CONSTRUCTION.	
4.	SPECIFIC DEMOLITION ITEMS HAVE BEEN INDICATED ON THE PLANS AS A GUIDE TO THE GENERAL SCOPE OF THE WORK. IT IS THE INTENT THAT THESE ITEMS SHALL BE COMPLETELY REMOVED BY THE CONTRACTOR ABOVE AND BELOW GROUND, UNLESS SPECIFICALLY NOTED OTHERWISE, AND THAT DEMOLITION WILL INCLUDE BUT WILL NOT NECESSARILY BE LIMITED TO THESE ITEMS. CONTRACTOR SHALL VISIT SITE TO VERIFY EXISTING CONDITIONS AND EXTENTS OF THE DEMOLITION THAT WILL BE REQUIRED PRIOR TO SUBMITTING A BID.	
5.	REMOVE ALL STRUCTURES DESIGNATED FOR REMOVAL ACCORDING TO THE DEMOLITION PLAN. THIS INCLUDES FOUNDATIONS, FOOTINGS, FOUNDATION WALLS, FLOOR SLABS, UNDERGROUND UTILITIES, CONCRETE, ASPHALT, TREES, ETC.	
6.	REFER TO SHEET DETAIL SHEET FOR TREE PROTECTION DETAILS.	
7.	THE CONTRACTOR SHALL, AS A MINIMUM, PROVIDE TREE PROTECTION FENCING AROUND EXISTING TREES TO BE SAVED THAT ARE WITHIN 15 FEET OF CONSTRUCTION ACTIVITIES AND AS INDICATED IN THE PLANS OR PER LOCAL AGENCY REQUIREMENTS.	
8.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN UP, NOISE, DUST CONTROL, STREET SWEEPING AND HOURS OF OPERATION IN ACCORDANCE WITH THE LOCAL CODES.	
9.	REMOVE ALL OVERHEAD AND UNDERGROUND ELECTRICAL LINES WITHIN THE AREA OF CONSTRUCTION AS SHOWN ON THE PLANS. COORDINATE SHUTDOWNS AND REMOVALS WITH ELECTRICAL SERVICE PROVIDER OR THE APPROPRIATE UTILITY COMPANY. (NOTE: PHONE AND CABLE T.V. SERVICES MAY ALSO BE LOCATED ON OVERHEAD LINES.)	
10.	THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF SIGNS AND SUPPORTS WITHIN THE WORK AREA, AS NECESSARY TO FACILITATE CONSTRUCTION. SIGNS SHALL BE PROTECTED OR STOCKPILED FOR REUSE AS SPECIFIED IN THE PLANS OR AS REQUIRED BY THE AGENCY OF JURISDICTION. THE CONTRACTOR SHALL REPLACE ANY DAMAGED SIGNS AND SUPPORTS AT NO ADDITIONAL COST TO THE OWNER.	

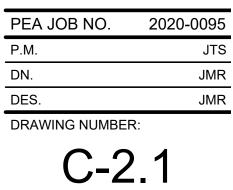
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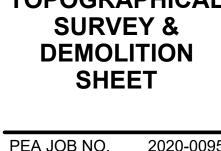
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ORIGINAL ISSUE DATE: DECEMBER 3, 2020 DRAWING TITLE TOPOGRAPHICAL



**REVISION NORFOLK SOUTHERN 11/10/21** REVISION PER MDOT ORDER 9/01/222

1/24/24



IRON BELLE TRAIL -SECTION J VAN BUREN TOWNSHIP

PROJECT TITLE

REVISION 1/27/21

REVISION PER TWP



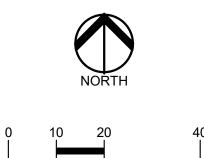


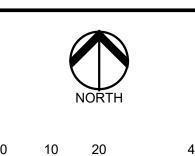
VAN BUREN TOWNSHIP 46425 TYLER ROAD

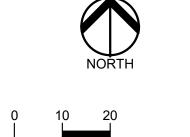
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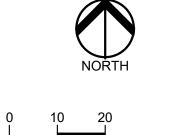


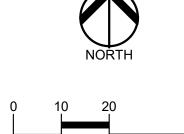


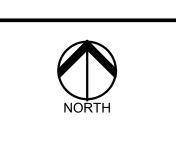












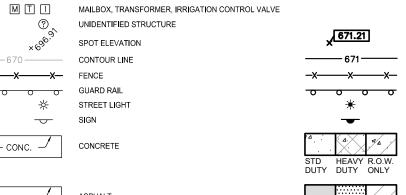
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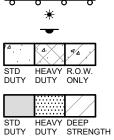


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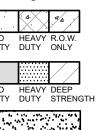
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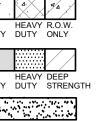


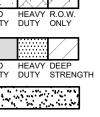
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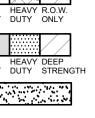
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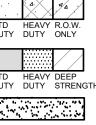
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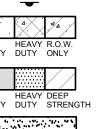


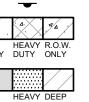


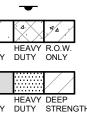


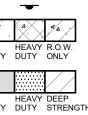


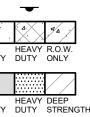


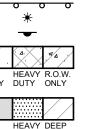


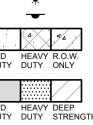


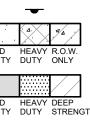


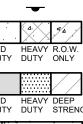


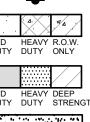


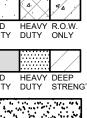


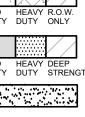


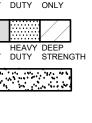


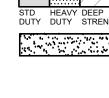














LEGEND

SQUARE, ROUND & BEEHIVE CATCH BASIN, YARD DRAIN

WATER VALVE BOX/HYDRANT VALVE BOX, SERVICE SHUTOFF

BRASS PLUG SET

MONUMENT SET

-OH-ELEC-W-O- ELEC., PHONE OR CABLE TV O.H. LINE, POLE & GUY WIRE

-UG-ELEC-CEEC ELECTRIC U.G. CABLE, MANHOLE, METER & HANDHOLE

POST INDICATOR VALVE

UNIDENTIFIED STRUCTURE

SPOT ELEVATION

CONTOUR LINE

☆ STREET LIGHT

CONCRETE

GAS MAIN, VALVE & GAS LINE MARKER
 GAS MAIN, VALVE & GAS LINE MARKER
 GAS MAIN, HYD., GATE VALVE, TAPPING SLEEVE & VALVE

-UG-CATV-TV-UNDERGROUND CABLE TV, CATV PEDESTAL

SANITARY SEWER, CLEANOUT & MANHOLE

COMBINED SEWER & MANHOLE

MONUMENT FOUND

IRON FOUND

👏 NAIL FOUND

 ${\mathscr O}$  NAIL & CAP SET

EXISTING

💢 IRON SET

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OOOO GUARD RAIL

ASPH. ASPHALT

\_\_\_\_\_670 \_\_\_\_\_

, CONC. →

\_\_\_\_GRAVEL\_\_\_

GRAVEL SHOULDER

# عاد عند WETLAND مالد الم

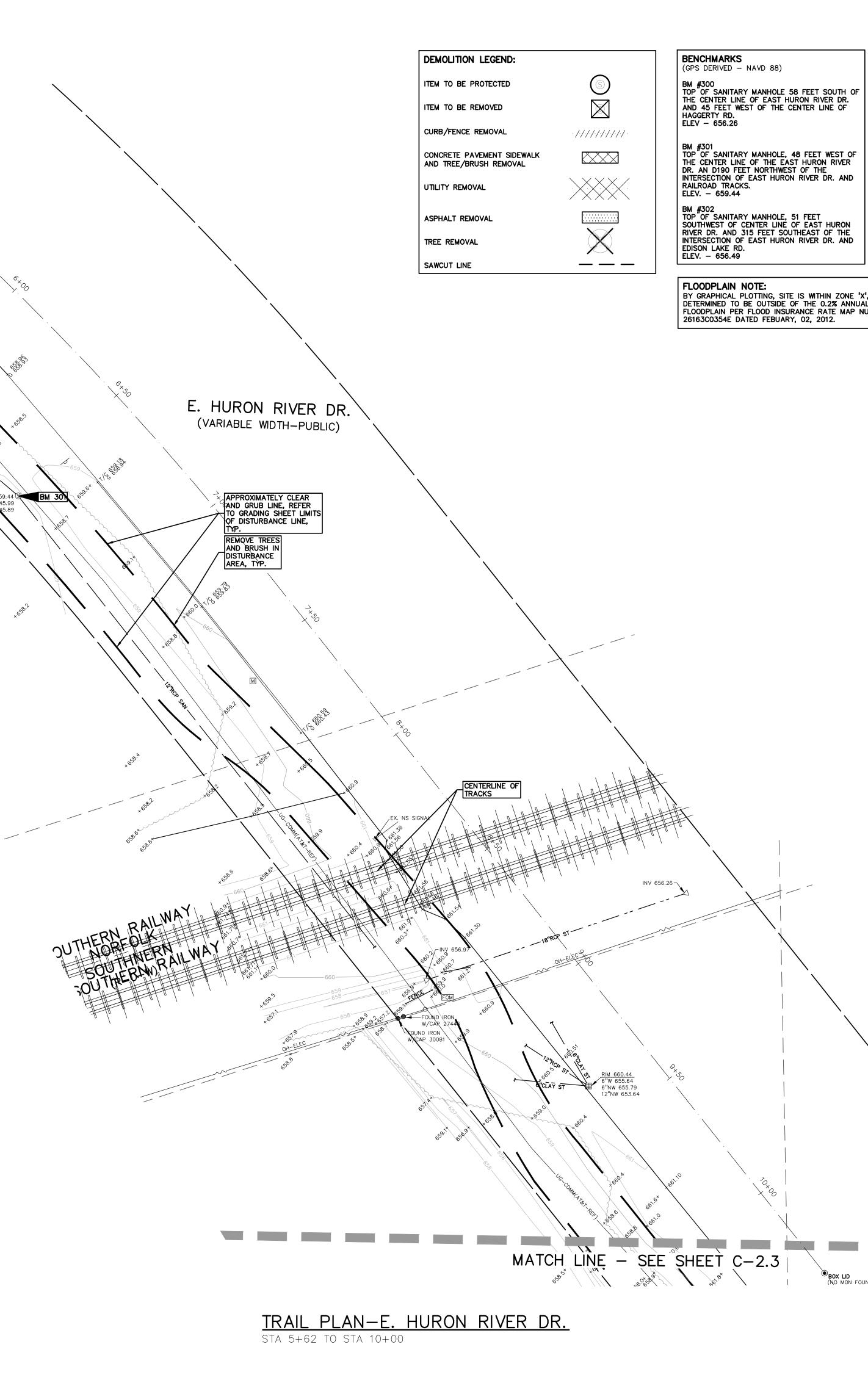
## REFERENCE DRAWINGS SANITARY SEWERDOWN RIVER SEWAGE DISPOSAL SYSTEM, PART OF CONTRACT NO . 15. SA-6-1,<br/>DATED 04/11/62 , SHEET 3 OF 7ELECTRICDTE ELECTRIC FACILITY MAP #241-260, DATED 04/08/2020<br/>CABLECABLEAT&T MAPS A1 & A2, DATED 03/19/2020<br/>COMCAST MAP, EMAIL DATED 03/19/2020GASDTE GAS COMPANY MAP DATED 03/23/2020

BM #301 TOP OF SANITARY MANHOLE, 48 FEET WEST OF THE CENTER LINE OF THE EAST HURON RIVER DR. AN D190 FEET NORTHWEST OF THE INTERSECTION OF EAST HURON RIVER DR. AND

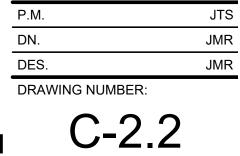
BM #302 TOP OF SANITARY MANHOLE, 51 FEET SOUTHWEST OF CENTER LINE OF EAST HURON RIVER DR. AND 315 FEET SOUTHEAST OF THE INTERSECTION OF EAST HURON RIVER DR. AND EDISON LAKE PD

FLOODPLAIN NOTE: BY GRAPHICAL PLOTTING, SITE IS WITHIN ZONE 'X', AREA DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN PER FLOOD INSURANCE RATE MAP NUMBER 26163C0354E DATED FEBUARY, 02, 2012.

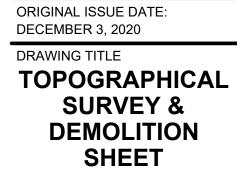
MΑ TCH LINE SH/ Π ( ) $\left( \right)$ **`** 

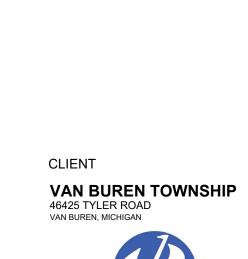


## NOT FOR CONSTRUCTION



PEA JOB NO.





VAN BUREN CHARTER TOWNSHIP

PROJECT TITLE

REVISIONS

REVISION 1/27/21

ORIGINAL ISSUE 12/2/20

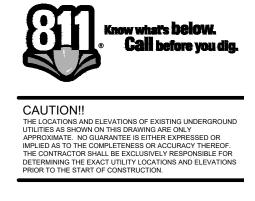
REVISION PER TWP

**REVISION NORFOLK SOUTHERN 11/10/21** REVISION PER MDOT ORDER 9/01/222

1/24/24

2020-0095

IRON BELLE TRAIL -SECTION J VAN BUREN TOWNSHIP VAN BUREN, MICHIGAN



SCALE: 1" = 20'

ΡΞΛ

GROUP

t: 844.813.2949 www.peagroup.com

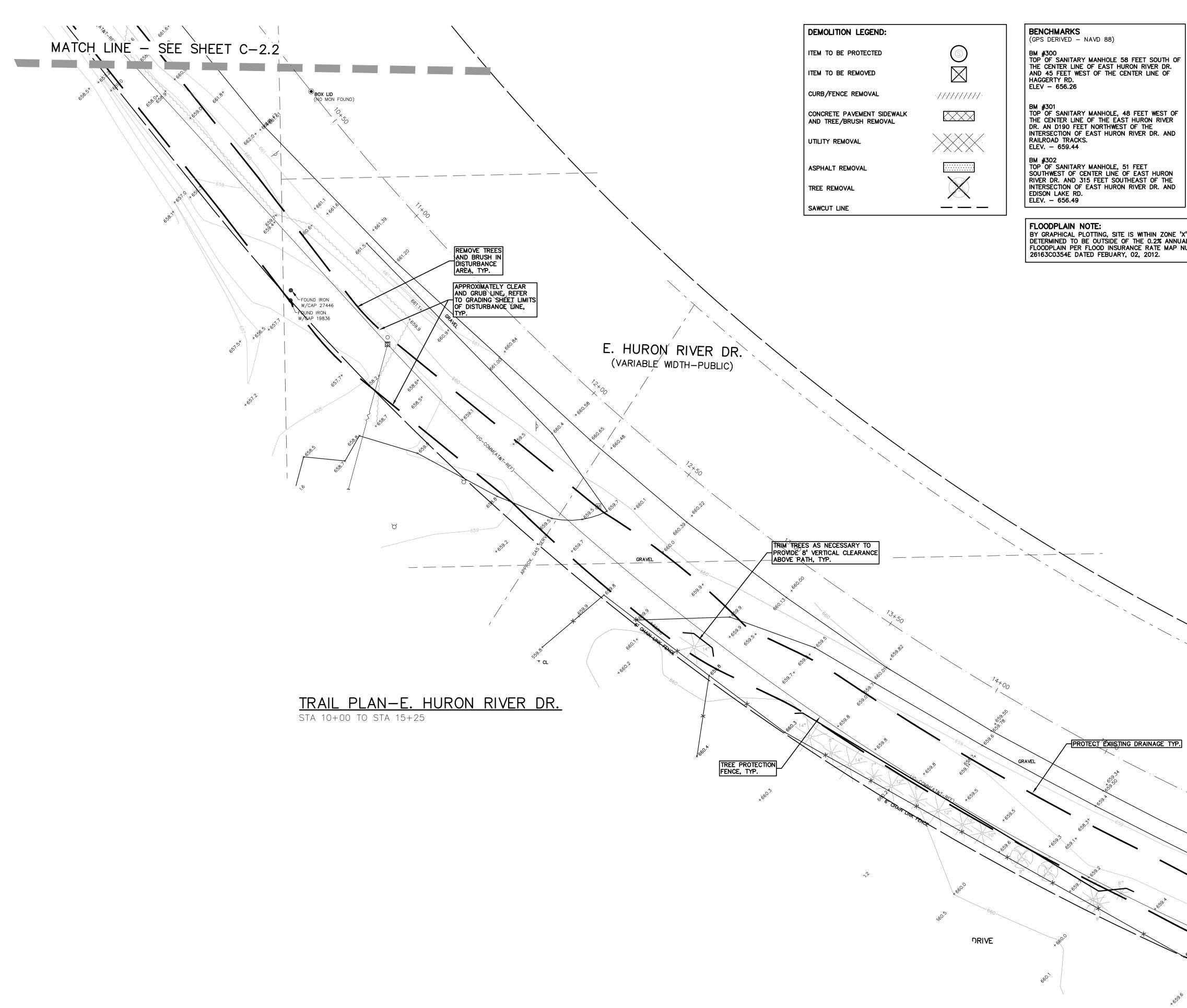
—X FLOODPLAIN NOTE: BY GRAPHICAL PLOTTING, SITE IS WITHIN ZONE 'X', AREA DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN PER FLOOD INSURANCE RATE MAP NUMBER 26163C0354E DATED FEBUARY, 02, 2012.

BOX LID (NO MON FOUND)

	LEGEND	
<ul> <li>IRON FOUND</li> <li>IRON SET</li> <li>NAIL FOUND</li> <li>NAIL &amp; CAP SET</li> <li>EXISTING</li> </ul>	<ul> <li>BRASS PLUG SET</li> <li>MONUMENT FOUND</li> <li>MONUMENT SET</li> </ul>	R RECORDED M MEASURED C CALCULATED PROPOSED
-OH-ELEC-W-O- -UG-CATV-V-V- -UG-PHONE-() -UG-ELEC-()-EKE - - - - - - - - - - - - -	ELEC., PHONE OR CABLE TV O.H. LINE, PO UNDERGROUND CABLE TV, CATV PEDES' TELEPHONE U.G. CABLE, PEDESTAL & MA ELECTRIC U.G. CABLE, MANHOLE, METER GAS MAIN, VALVE & GAS LINE MARKER WATERMAIN, HYD., GATE VALVE, TAPPINU SANITARY SEWER, CLEANOUT & MANHOLE STORM SEWER, CLEANOUT & MANHOLE COMBINED SEWER & MANHOLE SQUARE, ROUND & BEEHIVE CATCH BASI POST INDICATOR VALVE	TAL ANHOLE R & HANDHOLE G SLEEVE & VALVE .E IN, YARD DRAIN
<ul> <li>○ ○</li> <li></li></ul>	WATER VALVE BOX/HYDRANT VALVE BOX MAILBOX, TRANSFORMER, IRRIGATION C UNIDENTIFIED STRUCTURE SPOT ELEVATION CONTOUR LINE FENCE GUARD RAIL STREET LIGHT SIGN	
CONC	CONCRETE	STD HEAVY R.O.W. DUTY DUTY ONLY STD HEAVY DEEP
GRAVEL	GRAVEL SHOULDER	DUTY DUTY STRENGTH

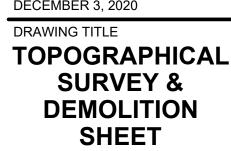
## REFERENCE DRAWINGS

SANITARY SEWERDOWN RIVER SEWAGE DISPOSAL SYSTEM, PART OF CONTRACT NO . 15. SA-6-1,<br/>DATED 04/11/62 , SHEET 3 OF 7ELECTRICDTE ELECTRIC FACILITY MAP #241-260, DATED 04/08/2020<br/>CABLECABLEAT&T MAPS A1 &A2, DATED 03/19/2020<br/>COMCAST MAP, EMAIL DATED 03/19/2020GASDTE GAS COMPANY MAP DATED 03/23/2020



## NOT FOR CONSTRUCTION

PEA JOB NO.	2020-0095
P.M.	JTS
DN.	JMR
DES.	JMR
DRAWING NUMBER	
C-2	.3



ORIGINAL ISSUE DATE: DECEMBER 3, 2020 DRAWING TITLE

REVISION 1/27/21 **REVISION NORFOLK SOUTHERN 11/10/21** REVISION PER MDOT ORDER 9/01/222 **REVISION PER TWP** 1/24/24



REVISIONS

ORIGINAL ISSUE 12/2/20



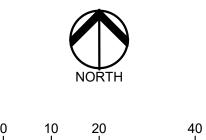


CLIENT VAN BUREN TOWNSHIP 46425 TYLER ROAD VAN BUREN, MICHIGAN



SCALE: 1" = 20' Know what's DelOW **I**OL **Call before you dig** 

CAUTION!!

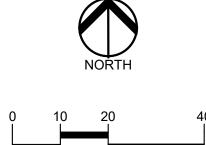


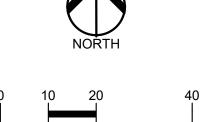
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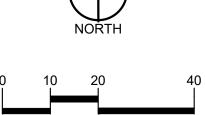
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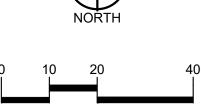
t: 844.813.2949

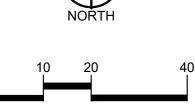
www.peagroup.com

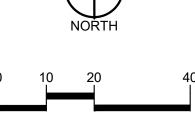


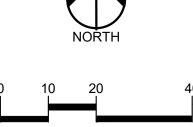




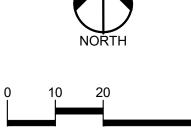








CAU TIONN!! THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.





 SANITARY SEWER
 DOWN RIVER SEWAGE DISPOSAL SYSTEM, PART OF CONTRACT NO . 15. SA-6-1, DATED 04/11/62 , SHEET 3 OF 7

 ELECTRIC
 DTE ELECTRIC FACILITY MAP #241-260, DATED 04/08/2020

 CABLE
 AT&T MAPS A1 &A2, DATED 03/19/2020

 COMCAST MAP, EMAIL DATED 03/19/2020

 DTE GAS COMPANY MAP DATED 03/23/2020

LEGEND

GAS MAIN, VALVE & GAS LINE MARKER

BRASS PLUG SET

👿 MONUMENT SET

-UG-ELEC-CEEC ELECTRIC U.G. CABLE, MANHOLE, METER & HANDHOLE

-UG-CATV-TV-UNDERGROUND CABLE TV, CATV PEDESTAL

SANITARY SEWER, CLEANOUT & MANHOLE

-⊠-UG-PHONE-①----- TELEPHONE U.G. CABLE, PEDESTAL & MANHOLE

MONUMENT FOUND

SEC. CORNER FOUND

R RECORDED

M MEASURED

C CALCULATED

# GAS

BY GRAPHICAL PLOTTING, SITE IS WITHIN ZONE 'X', AREA

DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN PER FLOOD INSURANCE RATE MAP NUMBER 26163C0354E DATED FEBUARY, 02, 2012.

 COMBINED SEWER & MANHOLE SQUARE, ROUND & BEEHIVE CATCH BASIN, YARD DRAIN POST INDICATOR VALVE WATER VALVE BOX/HYDRANT VALVE BOX, SERVICE SHUTOFF () 🕅 M T I MAILBOX, TRANSFORMER, IRRIGATION CONTROL VALVE UNIDENTIFIED STRUCTURE ?、 ×හි \_\_\_\_\_670 \_\_\_\_\_ CONTOUR LINE -X-X-X--X-- FENCE O O O O GUARD RAIL ☆ STREET LIGHT GRAVEL SHOULDER

SPOT ELEVATION

INTERSECTION OF EAST HURON RIVER DR. AND

BM #301 TOP OF SANITARY MANHOLE, 48 FEET WEST OF THE CENTER LINE OF THE EAST HURON RIVER DR. AN D190 FEET NORTHWEST OF THE INTERSECTION OF EAST HURON RIVER DR. AND DAME DOAD TRACKE

BM #302 TOP OF SANITARY MANHOLE, 51 FEET SOUTHWEST OF CENTER LINE OF EAST HURON RIVER DR. AND 315 FEET SOUTHEAST OF THE

MA TC

CONC. - CONCRETE ASPH. ASPHALT

\_\_\_\_GRAVEL\_\_\_

IRON FOUND

👏 NAIL FOUND

Ø NAIL & CAP SET

EXISTING

💢 IRON SET

ا ملک ملک WETLAND

☀ ----STD HEAVY R.O.W. DUTY DUTY ONLY 

PROPOSED

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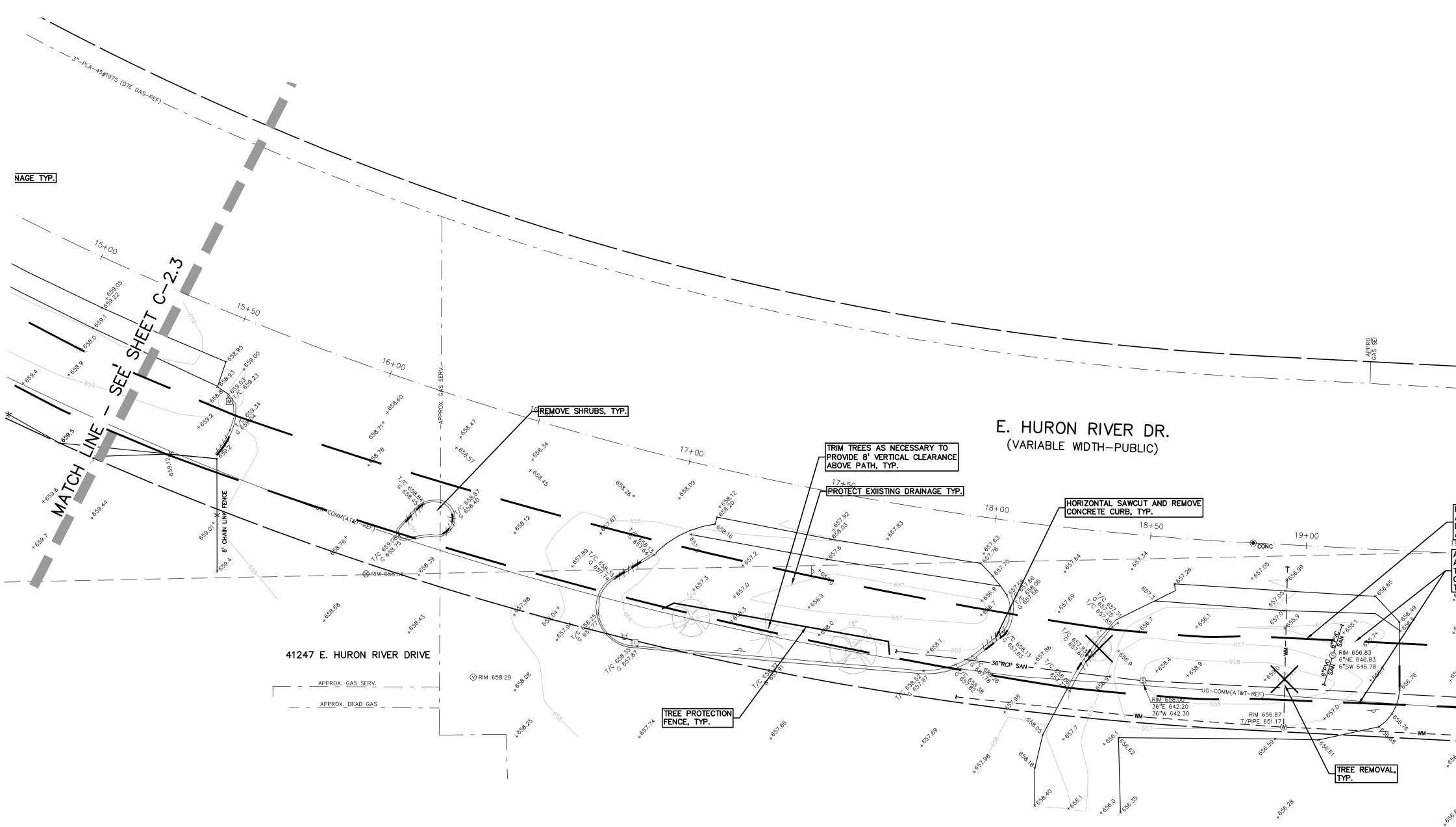
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STD HEAVY DEEP DUTY DUTY STRENGTH



DEMOLITION LEGEND:		BENCHMARKS (GPS DERIVED - NAVD 88)
ITEM TO BE PROTECTED		BM #300 TOP OF SANITARY MANHOLE
ITEM TO BE REMOVED	$\boxtimes$	THE CENTER LINE OF EAST I AND 45 FEET WEST OF THE HAGGERTY RD. ELEV - 656.26
CURB/FENCE REMOVAL	·	
CONCRETE PAVEMENT SIDEWALK AND TREE/BRUSH REMOVAL		BM #301 TOP OF SANITARY MANHOLE, THE CENTER LINE OF THE E DR. AN D190 FEET NORTHWE
UTILITY REMOVAL		INTERSECTION OF EAST HUR RAILROAD TRACKS. ELEV. – 659.44
ASPHALT REMOVAL		BM #302 TOP OF SANITARY MANHOLE, SOUTHWEST OF CENTER LINE
TREE REMOVAL	$\times$	RIVER DR. AND 315 FEET SO INTERSECTION OF EAST HUR EDISON LAKE RD. ELEV 656.49
SAWCUT LINE		

FLOODPLAIN NOTE:

## TRAIL PLAN-E. HURON RIVER DR.

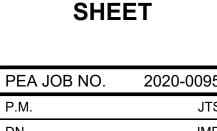
STA 15+18 TO STA 20+93

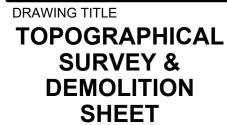
## NOT FOR CONSTRUCTION

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PEA JOB NO.	2020-0095
P.M.	JTS
DN.	JMR
DES.	JMR
DRAWING NUMBER:	

C-2.4





DECEMBER 3, 2020

ORIGINAL ISSUE DATE:

REVISIONS

REVISION NORFOLK SOUTHERN 11/10/21 REVISION PER MDOT ORDER 9/01/222

1/24/24

ORIGINAL ISSUE 12/2/20

REVISION PER TWP

REVISION 1/27/21

VAN BUREN, MICHIGAN

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MATCH

PROJECT TITLE IRON BELLE TRAIL -SECTION J VAN BUREN TOWNSHIP

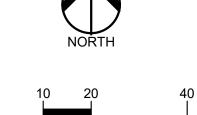


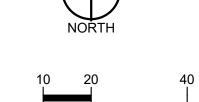


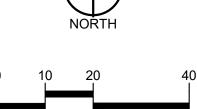
VAN BUREN TOWNSHIP 46425 TYLER ROAD VAN BUREN, MICHIGAN

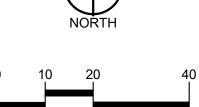
CLIENT

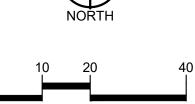


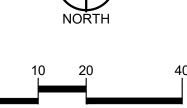


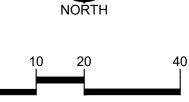


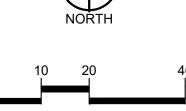


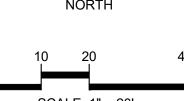


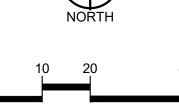


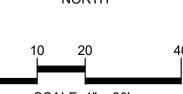












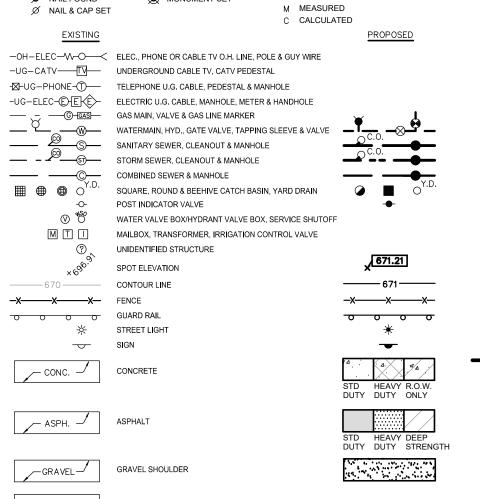
SCALE: 1" = 20'

ΡΞΛ

GROUP

t: 844.813.2949

www.peagroup.com



LEGEND

SEC. CORNER FOUND

R RECORDED

BRASS PLUG SET

🔘 MONUMENT SET

MONUMENT FOUND

## \_\_\_\_ASPH. \_\_\_\_\_ASPHALT

IRON FOUND

👏 NAIL FOUND

💢 IRON SET

GRAVEL عاد عند WETLAND مالد الم

GAS

REFERENCE DRAWINGS 
 SANITARY SEWER
 DOWN RIVER SEWAGE DISPOSAL SYSTEM, PART OF CONTRACT NO . 15. SA-6-1, DATED 04/11/62 , SHEET 3 OF 7

 ELECTRIC
 DTE ELECTRIC FACILITY MAP #241-260, DATED 04/08/2020

 CABLE
 AT&T MAPS A1 & A2, DATED 03/19/2020

 COMCAST MAP, EMAIL DATED 03/19/2020
 COMCAST MAP, EMAIL DATED 03/19/2020
 DTE GAS COMPANY MAP DATED 03/23/2020

# 3M #300 TOP OF SANITARY MANHOLE 58 FEET SOUTH OF THE CENTER LINE OF EAST HURON RIVER DR. AND 45 FEET WEST OF THE CENTER LINE OF

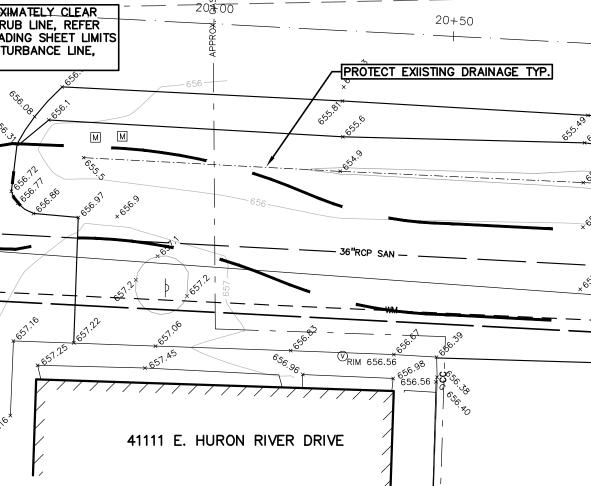
BM #301 FOP OF SANITARY MANHOLE, 48 FEET WEST OF THE CENTER LINE OF THE EAST HURON RIVER DR. AN D190 FEET NORTHWEST OF THE NTERSECTION OF EAST HURON RIVER DR. AND

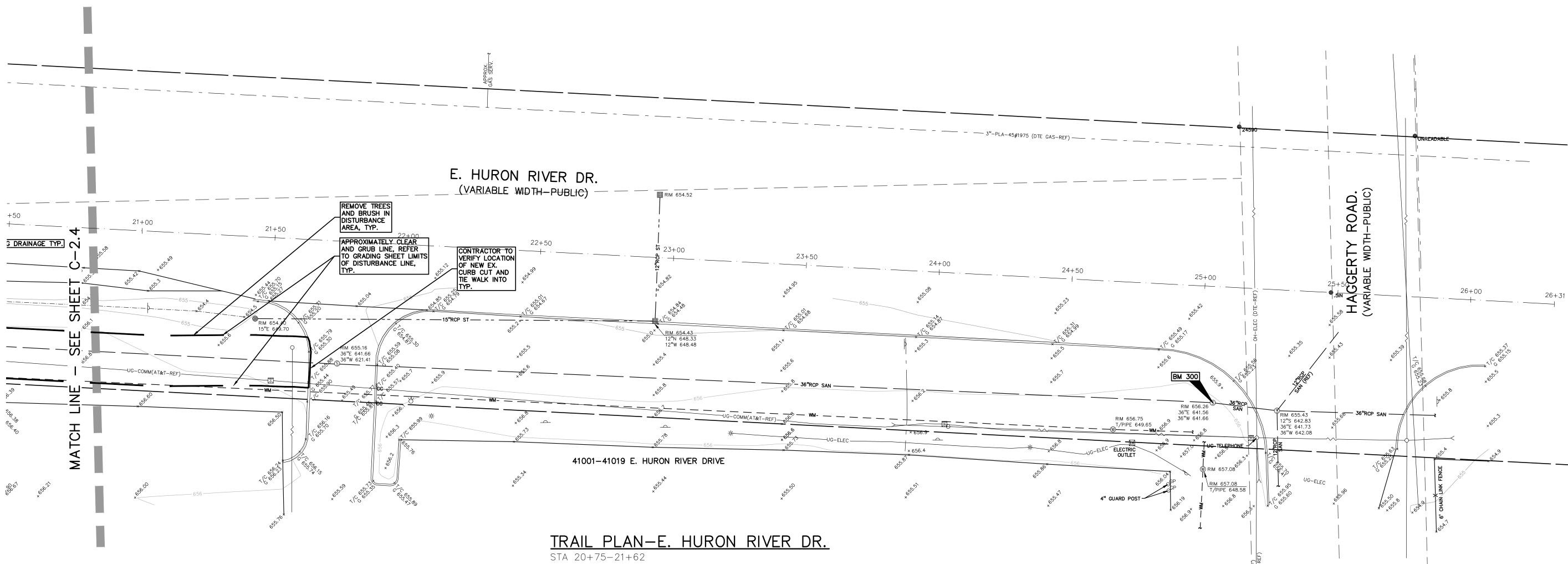
BM #302 TOP OF SANITARY MANHOLE, 51 FEET SOUTHWEST OF CENTER LINE OF EAST HURON RIVER DR. AND 315 FEET SOUTHEAST OF THE NTERSECTION OF EAST HURON RIVER DR. AND

BY GRAPHICAL PLOTTING, SITE IS WITHIN ZONE 'X', AREA

DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN PER FLOOD INSURANCE RATE MAP NUMBER 26163C0354E DATED FEBUARY, 02, 2012.

> REMOVE TREES AND BRUSH IN DISTURBANCE AREA, TYP. 19+50 AFPROXIMATELY CLEAR AND GRUB LINE, REFER TO GRADING SHEET LIMITS OF DISTURBANCE LINE, TYP.



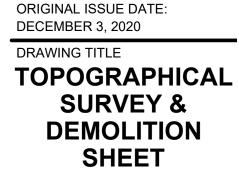


DEMOLITION LEGEND:		BENCHMARKS (GPS DERIVED - NAVD 88)
ITEM TO BE PROTECTED	$\bigcirc$	BM #300 TOP OF SANITARY MANHOLE 58 FEET SOUTH OF
ITEM TO BE REMOVED	$\boxtimes$	THE CENTER LINE OF EAST HURON RIVER DR. AND 45 FEET WEST OF THE CENTER LINE OF HAGGERTY RD. ELEV - 656.26
CURB/FENCE REMOVAL	· /·/·/·/·/·/·/·/·/·	
CONCRETE PAVEMENT SIDEWALK AND TREE/BRUSH REMOVAL		BM #301 TOP OF SANITARY MANHOLE, 48 FEET WEST OF THE CENTER LINE OF THE EAST HURON RIVER DR. AN D190 FEET NORTHWEST OF THE
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TREE REMOVAL	$\times$	INTERSECTION OF EAST HURON RIVER DR. AND EDISON LAKE RD. ELEV. – 656.49
SAWCUT LINE		

FLOODPLAIN NOTE:

# NOT FOR CONSTRUCTION

PEA JOB NO.	2020-0095
P.M.	JTS
DN.	JMR
DES.	JMR
DRAWING NUMBER:	
C-2.	5



## REVISIONS ORIGINAL ISSUE 12/2/20

**REVISION NORFOLK SOUTHERN 11/10/21** 

1/24/24

REVISION PER MDOT ORDER 9/01/222

REVISION 1/27/21

REVISION PER TWP



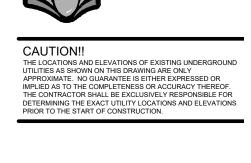
IRON BELLE TRAIL -SECTION J VAN BUREN TOWNSHIP





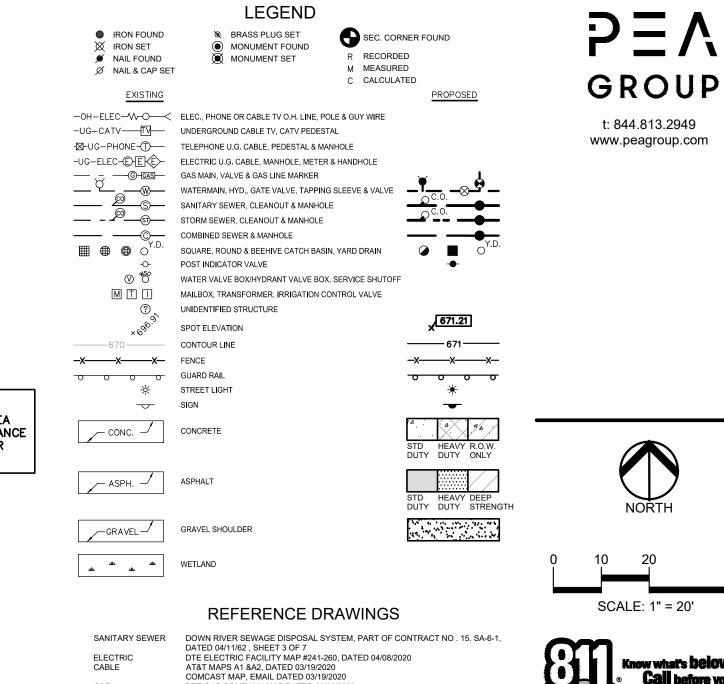
## VAN BUREN TOWNSHIP 46425 TYLER ROAD VAN BUREN, MICHIGAN

CLIENT



Know what's DelOW. **Call before you dig** 

## BY GRAPHICAL PLOTTING, SITE IS WITHIN ZONE 'X', AREA DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN PER FLOOD INSURANCE RATE MAP NUMBER 26163C0354E DATED FEBUARY, 02, 2012.



 SANITARY SEWER
 DOWN RIVER SEWAGE DISPOSAL SYSTEM, PART OF CONTRACT NO . 15. SA-6-1, DATED 04/11/62 , SHEET 3 OF 7

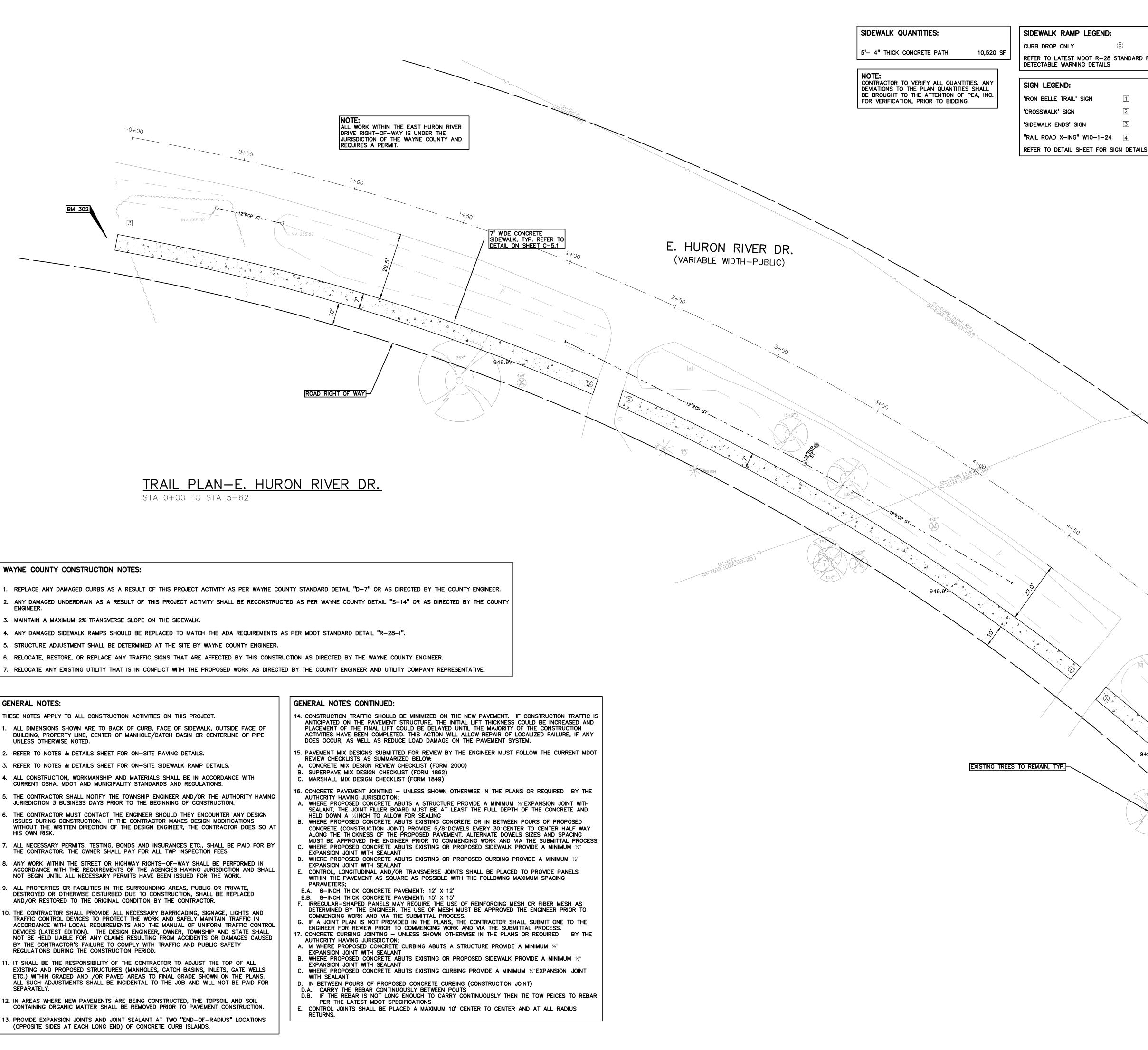
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 DTE ELECTRIC FACILITY MAP #241-260, DATED 04/08/2020

 CABLE
 AT&T MAPS A1 &A2, DATED 03/19/2020

 COMCAST MAP, EMAIL DATED 03/19/2020

 DTE GAS COMPANY MAP DATED 03/23/2020

GAS



### WAYNE COUNTY CONSTRUCTION NOTES:

- ENGINEER.
- 5. MAINTAIN A MAXIMUM 2% TRANSVERSE SLOPE ON THE SIDEWALK.
- 4. ANY DAMAGED SIDEWALK RAMPS SHOULD BE REPLACED TO MATCH THE ADA REQUIREMENTS AS PER MDOT STANDARD DETAIL "R–28–1".
- 5. STRUCTURE ADJUSTMENT SHALL BE DETERMINED AT THE SITE BY WAYNE COUNTY ENGINEER.
- 5. RELOCATE, RESTORE, OR REPLACE ANY TRAFFIC SIGNS THAT ARE AFFECTED BY THIS CONSTRUCTION AS DIRECTED BY THE WAYNE COUNTY ENGINEER.
- . RELOCATE ANY EXISTING UTILITY THAT IS IN CONFLICT WITH THE PROPOSED WORK AS DIRECTED BY THE COUNTY ENGINEER AND UTILITY COMPANY REPRESENTATIVE.

### **GENERAL NOTES:**

THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT.

- ALL DIMENSIONS SHOWN ARE TO BACK OF CURB, FACE OF SIDEWALK, OUTSIDE FACE OF BUILDING, PROPERTY LINE, CENTER OF MANHOLE/CATCH BASIN OR CENTERLINE OF PIPE UNLESS OTHERWISE NOTED.

- CURRENT OSHA, MDOT AND MUNICIPALITY STANDARDS AND REGULATIONS.
- . THE CONTRACTOR MUST CONTACT THE ENGINEER SHOULD THEY ENCOUNTER ANY DESIGN ISSUES DURING CONSTRUCTION. IF THE CONTRACTOR MAKES DESIGN MODIFICATIONS WITHOUT THE WRITTEN DIRECTION OF THE DESIGN ENGINEER, THE CONTRACTOR DOES SO AT
- ANY WORK WITHIN THE STREET OR HIGHWAY RIGHTS-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AGENCIES HAVING JURISDICTION AND SHALL
- ALL PROPERTIES OR FACILITIES IN THE SURROUNDING AREAS, PUBLIC OR PRIVATE,
- 10. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BARRICADING, SIGNAGE, LIGHTS AND TRAFFIC CONTROL DEVICES TO PROTECT THE WORK AND SAFELY MAINTAIN TRAFFIC IN ACCORDANCE WITH LOCAL REQUIREMENTS AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION). THE DESIGN ENGINEER, OWNER, TOWNSHIP AND STATE SHALL NOT BE HELD LIABLE FOR ANY CLAIMS RESULTING FROM ACCIDENTS OR DAMAGES CAUSED BY THE CONTRACTOR'S FAILURE TO COMPLY WITH TRAFFIC AND PUBLIC SAFETY
- 11. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ADJUST THE TOP OF ALL EXISTING AND PROPOSED STRUCTURES (MANHOLES, CATCH BASINS, INLETS, GATE WELLS ETC.) WITHIN GRADED AND /OR PAVED AREAS TO FINAL GRADE SHOWN ON THE PLANS. ALL SUCH ADJUSTMENTS SHALL BE INCIDENTAL TO THE JOB AND WILL NOT BE PAID FOR SEPARATELY.
- CONTAINING ORGANIC MATTER SHALL BE REMOVED PRIOR TO PAVEMENT CONSTRUCTION.
- 13. PROVIDE EXPANSION JOINTS AND JOINT SEALANT AT TWO "END-OF-RADIUS" LOCATIONS

## NOT FOR CONSTRUCTION

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PEA JOB NO.	2020-0095
P.M.	JTS
DN.	JMR
DES.	JMR
DRAWING NUMBER	:

**C-3.**1



ORIGINAL ISSUE DATE: DECEMBER 3, 2020

REVISIONS **ORIGINAL ISSUE 12/2/20** REVISION 1/27/21 **REVISION NORFOLK SOUTHERN 11/10/21** REVISION PER MDOT ORDER 9/01/222 REVISION PER TWP 1/24/24



**IRON BELLE TRAIL -**SECTION J VAN BUREN TOWNSHIP VAN BUREN, MICHIGAN

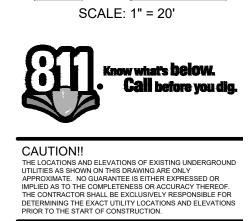






VAN BUREN TOWNSHIP 46425 TYLER ROAD

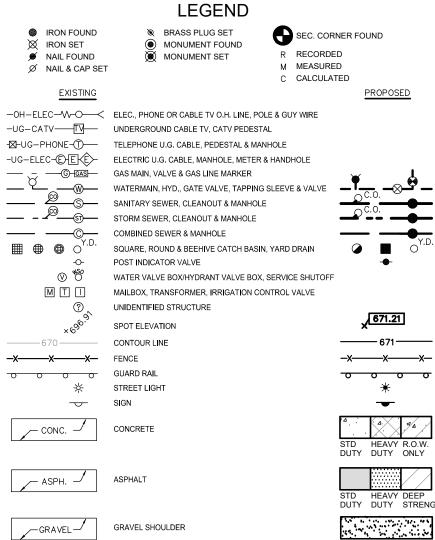
CLIENT



REFER TO LATEST MDOT R-28 STANDARD RAMP AND EXISTING \_\_\_\_\_\_ 2 3 \_\_\_\_\_©\_\_\_ МТI SPOT ELEVATION CONTOUR LINE \_\_\_\_\_670 \_\_\_\_ -X-X-X- FENCE O O O O GUARD RAIL -☆- STREET LIGHT ---------------------------------SIGN

WETLAND یو یو ک

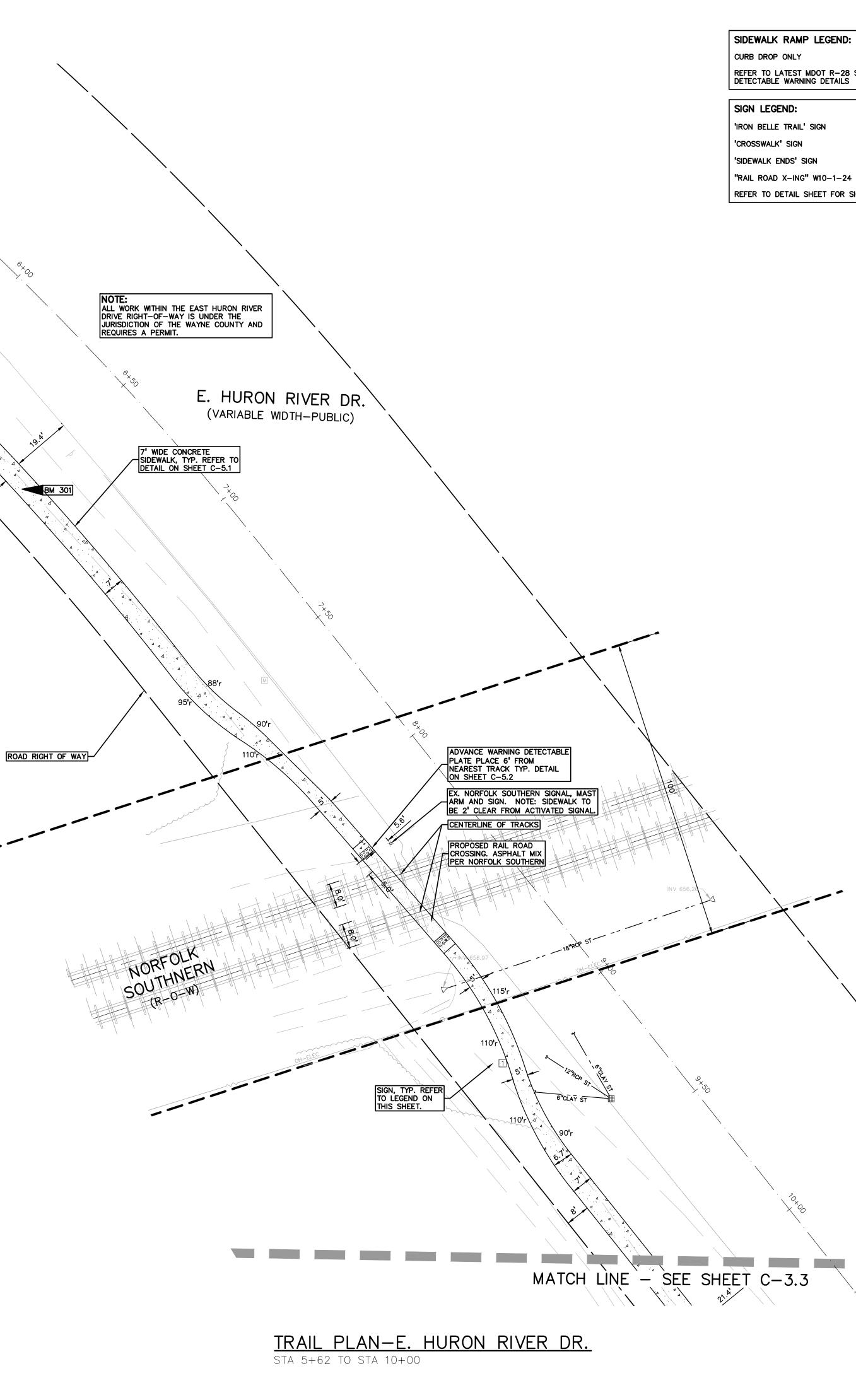
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PEA JOB NO.	2020-0095
P.M.	JTS
DN.	JMR
DES.	JMR
DRAWING NUMBER	

C-3.2

## DRAWING TITLE **DIMENSION AND PAVING SHEET**

ORIGINAL ISSUE DATE: DECEMBER 3, 2020

**REVISION NORFOLK SOUTHERN 11/10/21** REVISION PER MDOT ORDER 9/01/222

1/24/24

REVISIONS

ORIGINAL ISSUE 12/2/20

REVISION PER TWP

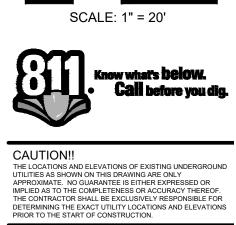
REVISION 1/27/21

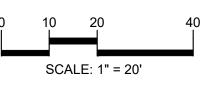
IRON BELLE TRAIL -SECTION J VAN BUREN TOWNSHIP VAN BUREN, MICHIGAN

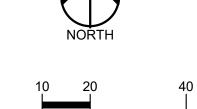


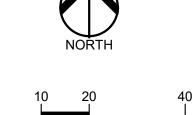


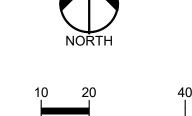
CLIENT VAN BUREN TOWNSHIP

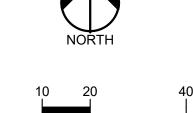


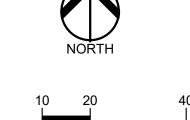


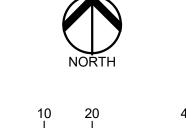


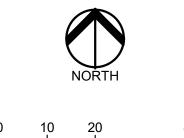


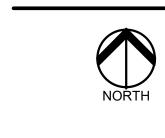


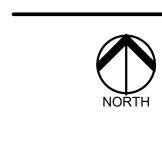


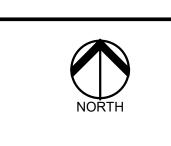














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CURB DROP ONLY	$\otimes$	
REFER TO LATEST MDOT R-28 DETECTABLE WARNING DETAILS	STANDARD RA	MP AND
SIGN LEGEND:		
'IRON BELLE TRAIL' SIGN	1	
'CROSSWALK' SIGN	2	
'SIDEWALK ENDS' SIGN	3	
"RAIL ROAD X-ING" W10-1-24	4	
REFER TO DETAIL SHEET FOR S	IGN DETAILS	

LEGEND

GAS MAIN, VALVE & GAS LINE MARKER

SQUARE, ROUND & BEEHIVE CATCH BASIN, YARD DRAIN

WATER VALVE BOX/HYDRANT VALVE BOX, SERVICE SHUTOFF

BRASS PLUG SET

👿 MONUMENT SET

-UG-CATV-TV-UNDERGROUND CABLE TV, CATV PEDESTAL

SANITARY SEWER, CLEANOUT & MANHOLE

POST INDICATOR VALVE

UNIDENTIFIED STRUCTURE

SPOT ELEVATION

M T I MAILBOX, TRANSFORMER, IRRIGATION CONTROL VALVE

COMBINED SEWER & MANHOLE

·쓔 STREET LIGHT

-⊠–UG–PHONE-①----- TELEPHONE U.G. CABLE, PEDESTAL & MANHOLE -UG-ELEC-CEEC ELECTRIC U.G. CABLE, MANHOLE, METER & HANDHOLE

MONUMENT FOUND

IRON FOUND

X IRON SET

V 18

?

×696.

\_\_\_\_\_670 \_\_\_\_\_ CONTOUR LINE 

O O O O GUARD RAIL

CONC. - CONCRETE

GRAVEL GRAVEL SHOULDER

ASPH. \_\_\_\_\_ASPHALT

عاد عاد المحالية WETLAND

Ø NAIL & CAP SET

EXISTING

SEC. CORNER FOUND

PROPOSED

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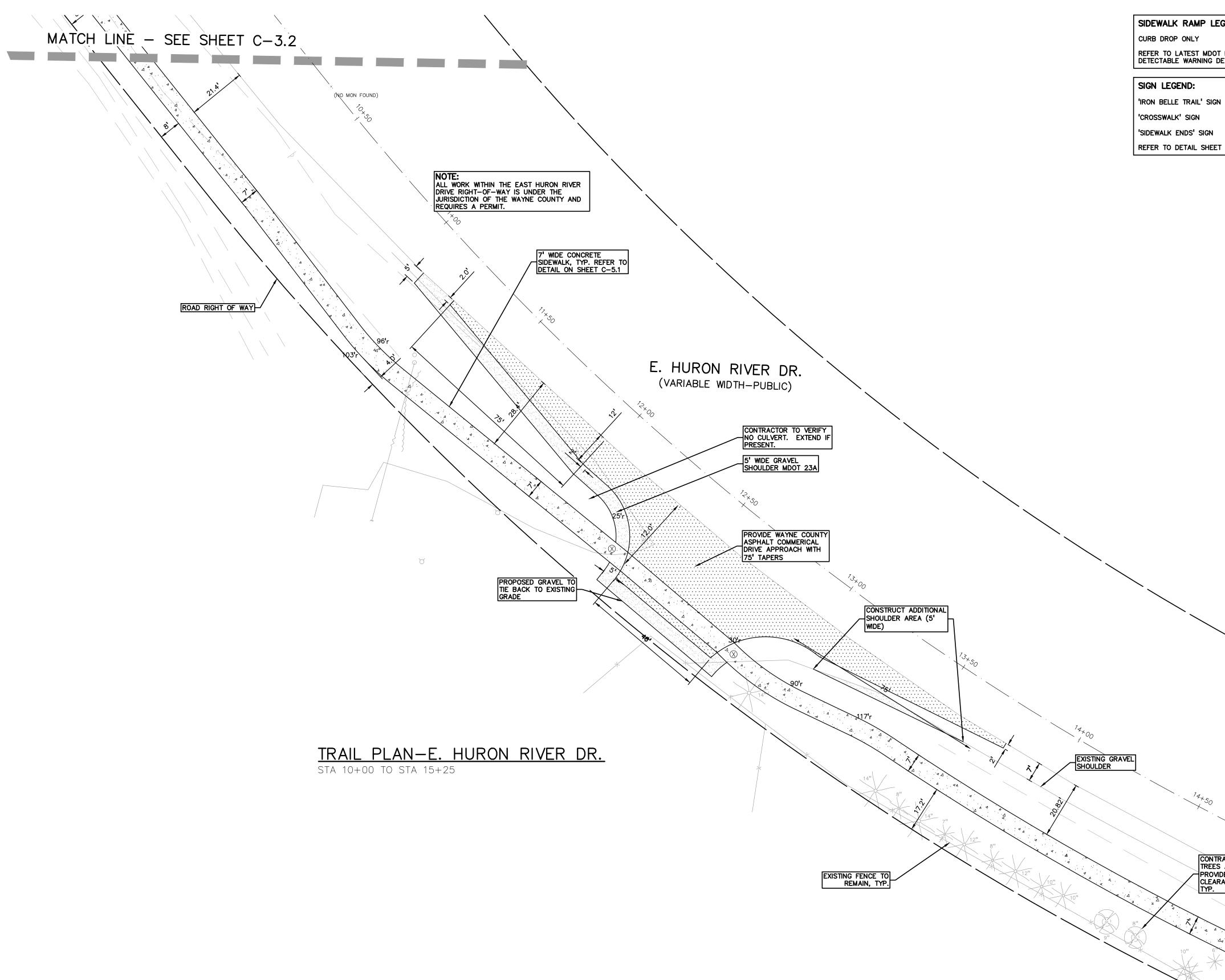
STD HEAVY R.O.W. DUTY DUTY ONLY

STD HEAVY DEEP DUTY DUTY STRENGTH

R RECORDED

M MEASURED

C CALCULATED



' RIVER DRIVE

## NOT FOR CONSTRUCTION

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PEA JOB NO.	2020-0095
P.M.	JTS
DN.	JMR
DES.	JMR
DRAWING NUMBER	:

C-3.3

## DRAWING TITLE **DIMENSION AND PAVING SHEET**

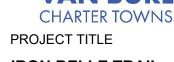
ORIGINAL ISSUE DATE: DECEMBER 3, 2020

ORIGINAL ISSUE 12/2/20 REVISION 1/27/21 **REVISION NORFOLK SOUTHERN 11/10/21** REVISION PER MDOT ORDER 9/01/222 REVISION PER TWP 1/24/24

REVISIONS



IRON BELLE TRAIL -SECTION J VAN BUREN TOWNSHIP VAN BUREN, MICHIGAN



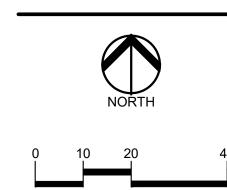


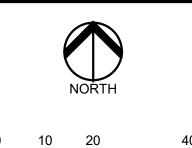


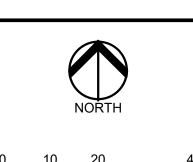
VAN BUREN TOWNSHIP 46425 TYLER ROAD VAN BUREN, MICHIGAN

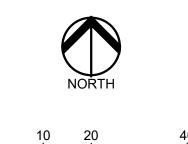
CLIENT











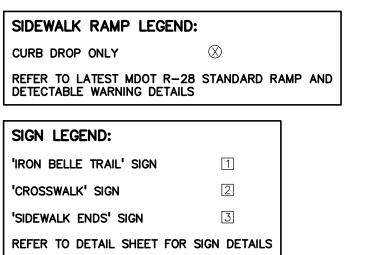


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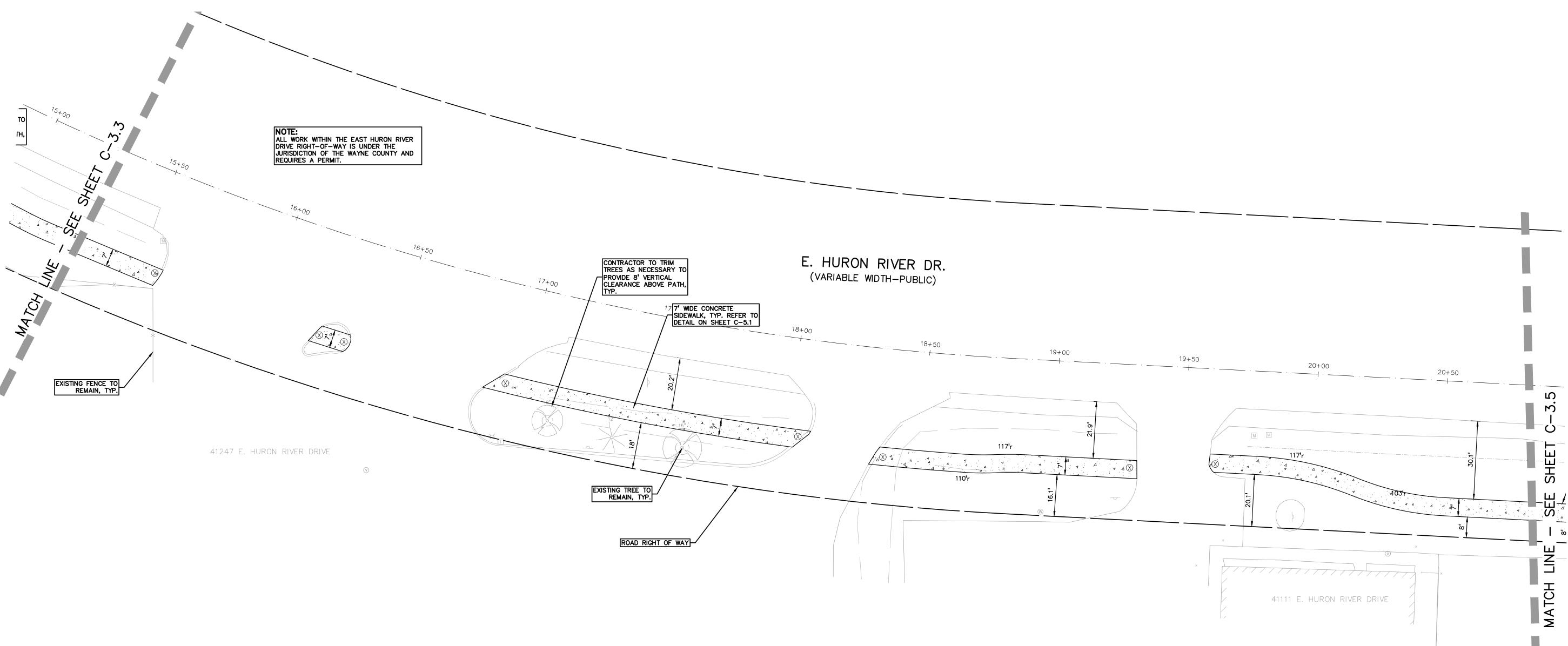


CONTRACTOR TO TRIM TREES AS NECESSARY TO PROVIDE 8' VERTICAL CLEARANCE ABOVE PATH,

MA TCH

-

LEGEND SEC. CORNER FOUND IRON FOUND BRASS PLUG SET X IRON SET MONUMENT FOUND R RECORDED 🖉 NAIL FOUND 🗕 MONUMENT SET M MEASURED Ø NAIL & CAP SET C CALCULATED EXISTING PROPOSED -UG-CATV-TV-UNDERGROUND CABLE TV, CATV PEDESTAL -⊠–UG–PHONE-①----- TELEPHONE U.G. CABLE, PEDESTAL & MANHOLE -UG-ELEC-CEEC ELECTRIC U.G. CABLE, MANHOLE, METER & HANDHOLE GAS MAIN, VALVE & GAS LINE MARKER SANITARY SEWER, CLEANOUT & MANHOLE COMBINED SEWER & MANHOLE \_\_\_\_ ■ ● ● O<sup>Y.D.</sup> SQUARE, ROUND & BEEHIVE CATCH BASIN, YARD DRAIN POST INDICATOR VALVE ♥ ♥ WATER VALVE BOX/HYDRANT VALVE BOX, SERVICE SHUTOFF M T I MAILBOX, TRANSFORMER, IRRIGATION CONTROL VALVE UNIDENTIFIED STRUCTURE ି୍\_ 671.21 SPOT ELEVATION × 6%. 671 \_\_\_\_\_\_670 \_\_\_\_\_ CONTOUR LINE \_x\_\_\_x\_\_\_\_x\_\_\_ OOOO GUARD RAIL <del>0 0 0 0</del> ·쓔 STREET LIGHT ☀ ----STD HEAVY R.O.W. DUTY DUTY ONLY CONC. - CONCRETE STD HEAVY DEEP DUTY DUTY STRENGTH ASPH. - ASPHALT GRAVEL GRAVEL SHOULDER ستد مقد WETLAND



SIDEWALK RAMP LEGEND: CURB DROP ONLY

SIGN LEGEND: 'CROSSWALK' SIGN 'SIDEWALK ENDS' SIGN

## TRAIL PLAN-E. HURON RIVER DR. STA 15+25 TO STA 20+75

## NOT FOR CONSTRUCTION

PEA JOB NO.	2020-0095
P.M.	JTS
DN.	JMR
DES.	JMR
DRAWING NUMBER	R:

C-3.4



ORIGINAL ISSUE DATE: DECEMBER 3, 2020

REVISIONS ORIGINAL ISSUE 12/2/20

**REVISION NORFOLK SOUTHERN 11/10/21** 

1/24/24

REVISION PER MDOT ORDER 9/01/222

REVISION 1/27/21

REVISION PER TWP

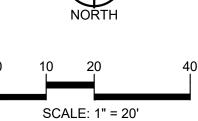
IRON BELLE TRAIL -SECTION J VAN BUREN TOWNSHIP VAN BUREN, MICHIGAN



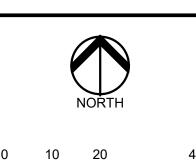


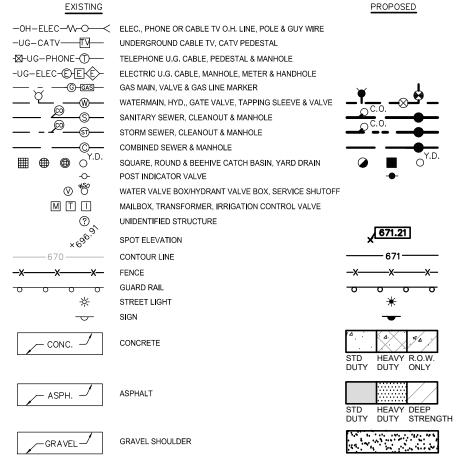
CLIENT VAN BUREN TOWNSHIP 46425 TYLER ROAD VAN BUREN, MICHIGAN

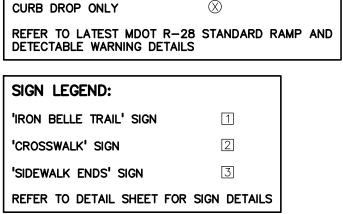












LEGEND BRASS PLUG SET MONUMENT FOUND 👿 MONUMENT SET

IRON FOUND

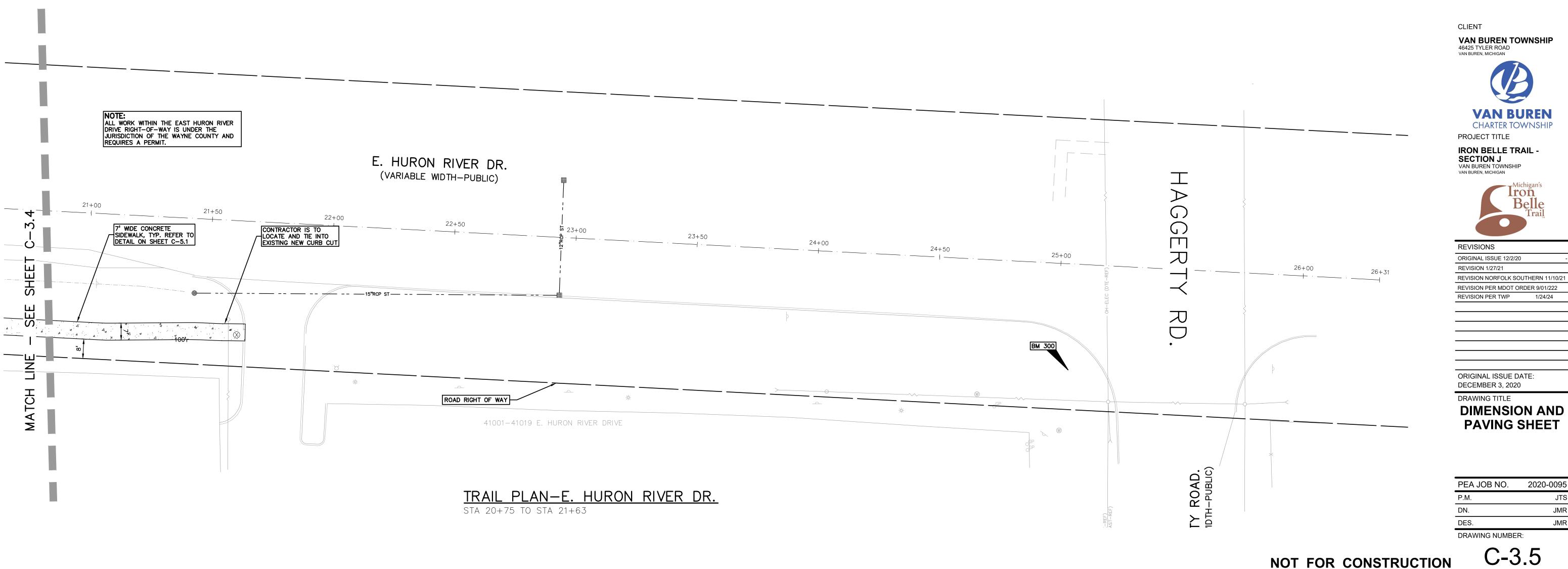
➢ IRON SET● NAIL FOUND

Ø NAIL & CAP SET

ست معد WETLAND

SEC. CORNER FOUND R RECORDED M MEASURED C CALCULATED

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SIDEWALK RAMP LEGEND: CURB DROP ONLY REFER TO LATEST MDOT R-28 STANDARD RAMP AND DETECTABLE WARNING DETAILS SIGN LEGEND: 'IRON BELLE TRAIL' SIGN 1 2 'CROSSWALK' SIGN 3 'SIDEWALK ENDS' SIGN

REFER TO DETAIL SHEET FOR SIGN DETAILS

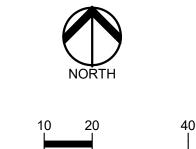
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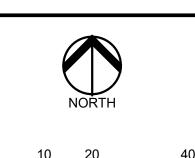


1/24/24

JTS JMR

JMR





-UG-ELEC-®-EKÊ>-	ELECTRIC U.G. CABLE, MANHOLE, METER & HANDHOLE	
—	GAS MAIN, VALVE & GAS LINE MARKER	¥ Å
	WATERMAIN, HYD., GATE VALVE, TAPPING SLEEVE & VALVE	_ <b>T</b> ⊗_ <sup>2</sup> <sup>2</sup>
	SANITARY SEWER, CLEANOUT & MANHOLE	<u> </u>
	STORM SEWER, CLEANOUT & MANHOLE	
©	COMBINED SEWER & MANHOLE	<u> </u>
⊞ ⊕ ⊕ O <sup>_</sup> Y.D.	SQUARE, ROUND & BEEHIVE CATCH BASIN, YARD DRAIN	O <sup>Y.D.</sup>
-0-	POST INDICATOR VALVE	-
V <b>%</b>	WATER VALVE BOX/HYDRANT VALVE BOX, SERVICE SHUTOFF	
MTI	MAILBOX, TRANSFORMER, IRRIGATION CONTROL VALVE	
?	UNIDENTIFIED STRUCTURE	
× 6 <sup>96.</sup>	SPOT ELEVATION	× 671.21
670	CONTOUR LINE	671
-xxx	FENCE	-xxx
0 0 0 0	GUARD RAIL	<del>0000</del>
*	STREET LIGHT	*
-0-	SIGN	
CONC.	CONCRETE	STD HEAVY R.O.W. DUTY DUTY ONLY
ASPH	ASPHALT	STD HEAVY DEEP DUTY DUTY STRENGTH



MONUMENT FOUND

👿 MONUMENT SET

-OH-ELEC-W-O-C ELEC., PHONE OR CABLE TV O.H. LINE, POLE & GUY WIRE

-UG-CATV-TV-UNDERGROUND CABLE TV, CATV PEDESTAL

IRON FOUND

➢ IRON SET● NAIL FOUND

Ø NAIL & CAP SET

EXISTING

GRAVEL \_\_\_\_\_ GRAVEL SHOULDER

بغد عقد WETLAND

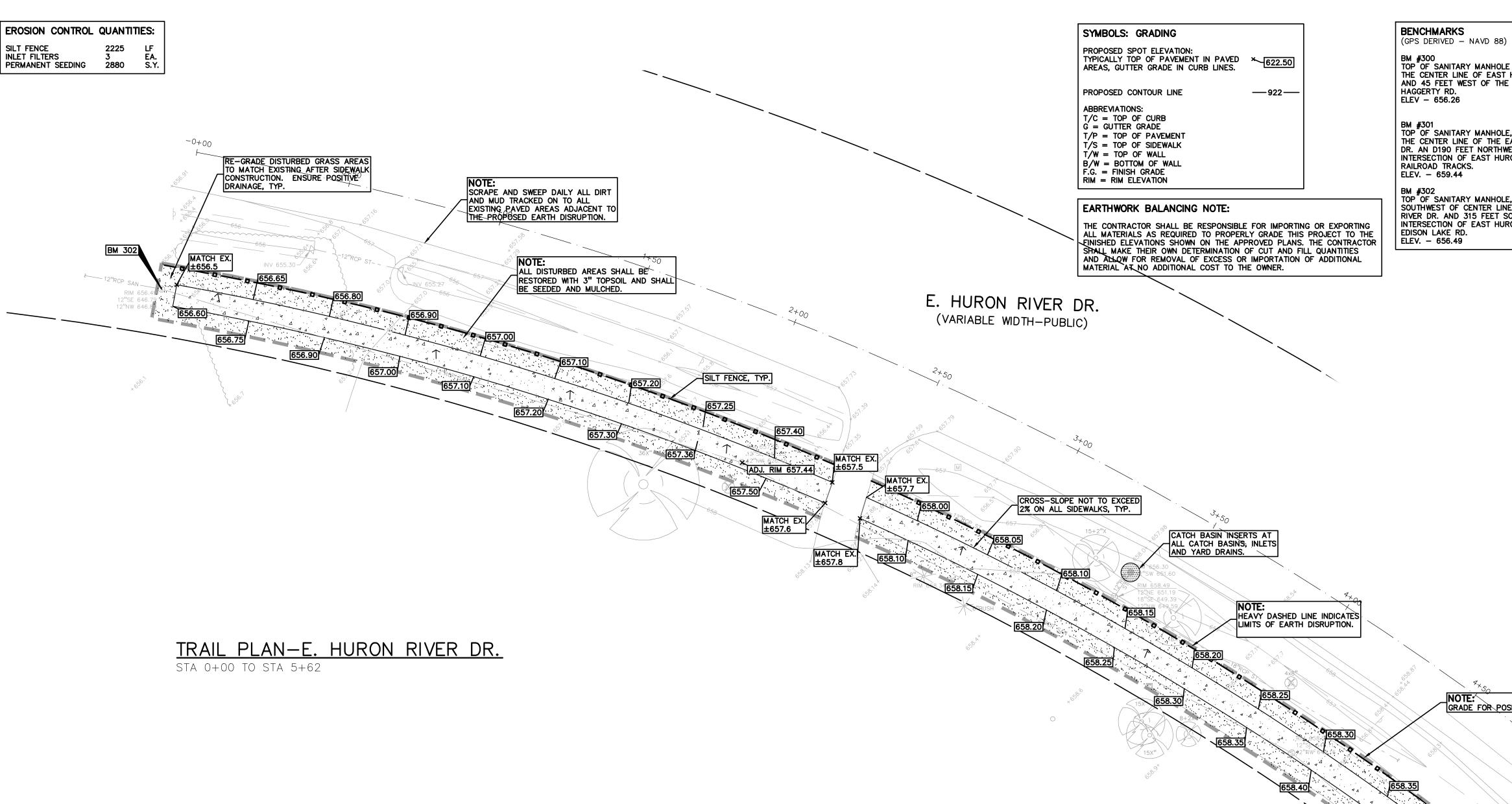
SEC. CORNER FOUND

PROPOSED

R RECORDED

M MEASURED

C CALCULATED



1. CONTRACTOR TO FIELD VERIFY ALL EXISTING TREES AND BRUSH AND REMOVE ALL THAT ARE NECESSARY TO GRADE SITE.	(INLET FILTER
2. ALL GRADES ARE TO TOP OF PAVEMENT UNLESS OTHERWISE NOTED.	(REFER TO D
3. THE STAGING OF CONSTRUCTION ACTIVITIES SHALL OCCUR ONLY WITHIN THE SITE BOUNDARIES. ANY CONSTRUCTION ACTIVITIES OUTSIDE OF THE SITE BOUNDARIES SHALL BE AT THE SOLE RESPONSIBILITY AND RISK OF THE CONTRACTOR.	
4. ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL MEET THE REQUIREMENTS OF THE AUTHORIZED PUBLIC AGENCY OF JURISDICTION. AN EROSION CONTROL PERMIT MUST BE SECURED FROM WAYNE COUNTY PRIOR TO CONSTRUCTION.	APPROXIMATE RESTORATION
5. REFER TO SOIL EROSION CONTROL PLAN FOR ADDITIONAL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND NOTES.	
<ul> <li>6. ALL SLOPE EXCEEDING 1:4 MUST BE STABILIZED BY SODDING OR BY PLACING A MULCH BLANKET PEGGED IN PLACE OVER SEED.</li> <li>7. ALL DISTURBED AREAS OUTSIDE OF THE RIGHT-OF-WAY SHALL BE SEEDED AND MULCHED OR SODDED. PROVIDE A MINIMUM OF 3" OF TOPSOIL IN THESE AREAS UNLESS OTHERWISE</li> </ul>	SOIL EROSION MAINTE
NOTED. 8. THE CONTRACTOR SHALL NOTE EXISTING UNDERGROUND UTILITIES WITHIN AND ADJACENT TO THE SITE. BACKFILL FOR EXISTING UTILITY TRENCHES SHALL BE EXAMINED CRITICALLY. ANY TRENCHES FOUND TO HAVE SOFT, UNSTABLE OR UNSUITABLE BACKFILL MATERIAL, IN THE OPINION OF THE THIRD PARTY TESTING COMPANY, THAT ARE TO BE WITHIN THE ZONE OF INFLUENCE OF PROPOSED BUILDINGS OR PAVEMENT SHALL BE COMPLETELY EXCAVATED AND BACKFILLED WITH SUITABLE MATERIAL.	(734–326–3936). THE CONTRACTOR SHALL II AND/OR WITHIN 24 HOURS THE FOLLOWING STEPS SH/ 1. ANY DEBRIS OR DIRT ( PROMPT MANNER BY T
9. ON-SITE FILL CAN BE USED IF THE SPECIFIED COMPACTION REQUIREMENTS CAN BE ACHIEVED. IF ON-SITE SOIL IS USED, IT SHOULD BE CLEAN AND FREE OF FROZEN SOIL, ORGANICS, OR OTHER DELETERIOUS MATERIALS.	DAY. 2. ALL DIRT AND MUD TR REQUIRED WEEKLY.
10. THE FINAL SUBGRADE/EXISTING AGGREGATE BASE SHOULD BE THOROUGHLY PROOF ROLLED USING A FULLY LOADED TANDEM AXLE TRUCK OR FRONT END LOADER UNDER THE OBSERVATION OF A GEOTECHNICAL/PAVEMENT ENGINEER. LOOSE OR YIELDING AREAS THAT CANNOT BE MECHANICALLY STABILIZED SHOULD BE REINFORCED USING GEOGRIDS OR REMOVED AND REPLACED WITH ENGINEERED FILL OR AS DICTATED BY FIELD CONDITIONS.	<ol> <li>SILT FENCE MAINTENAN HEIGHT ACCUMULATES REMOVE, REPLACE, RET CONSTRUCTION.</li> <li>INLET FILTER MAINTENANCE</li> </ol>
11. SUBGRADE UNDERCUTTING, INCLUDING BACKFILLING SHALL BE PERFORMED TO REPLACE MATERIALS SUSCEPTIBLE TO FROST HEAVING AND UNSTABLE SOIL CONDITIONS. ANY EXCAVATIONS THAT MAY BE REQUIRED BELOW THE TOPSOIL IN FILL AREAS OR BELOW SUBGRADE IN CUT AREAS WILL BE CLASSIFIED AS SUBGRADE UNDERCUTTING.	5. A WATER TRUCK SHALL DUST CONTROL.
12. SUBGRADE UNDERCUTTING SHALL BE PERFORMED WHERE NECESSARY AND THE EXCAVATED MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR. ANY SUBGRADE UNDERCUTTING SHALL BE BACKFILLED AS RECOMMENDED IN THE GEOTECHNICAL ENGINEERING REPORT FOR THE PROJECT.	
13. ANY SUB-GRADE WATERING REQUIRED TO ACHIEVE REQUIRED DENSITY SHALL BE CONSIDERED INCIDENTAL TO THE JOB.	
14. MINOR ADJUSTMENTS TO STRUCTURE COVERS (<6") IS CONSIDERED INCIDENTAL TO CONSTRUCTION.	

GENERAL GRADING AND EARTHWORK NOTES:

THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT

## SYMBOLS FROSION CONTROL

MBULS: E	RUSION CONTROL
_ o	SILT FENCE (REFER TO DETAIL ON SHEET C-6.1 SHEET)
	INLET FILTER (REFER TO DETAIL ON SHEET C-6.1 SHEET)
$\times$	EROSION CONTROL BLANKETS
· · · · · · · · · · · · · · ·	APPROXIMATE SEEDING & MULCH BLANKET RESTORATION LOCATIONS
	LIMITS OF DISTURBANCE

ENANCE SCHEDULE AND NOTES: CONTACT WAYNE COUNTY SOIL EROSION OFFICE 48 HOURS BEFORE WORK IS TO BEGIN

- ALL BE IMPLEMENTED IF ANY DAMAGE HAS OCCURRED.
- ON ANY PAVED AREA RESULTING FROM CONSTRUCTION TRAFFIC SHALL BE CLEANED IN A
- RACKED ONTO PAVED AREAS SHALL BE REMOVED DAILY BY SCRAPING. STREET SWEEPING IS
- TO 1/3 TO 1/2 OF THE HEIGHT OF THE FENCE. THE CONTRACTOR IS RESPONSIBLE TO
- VANCE SHALL INCLUDE THE REMOVAL OF ANY ACCUMULATED SILT OR OTHER DEBRIS. THE OULD BE WITH THE USE OF A STIFF BRISTLE BROOM OR SQUARE POINT SHOVEL. IF INLET CLEANED OR ARE DAMAGED, THEN THE FABRIC MUST BE REPLACED.

	STREET CLEANING SCHEDULE							
		SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	SCRAPE STREETS		×	×	×	×	×	×
	SWEEP STREETS				×			
QUANTITIES THIS SHEET:         AREA OF DISTURBANCE       1.1       AC         TOPSOIL SURFACE, FURNINSH LM 3"       85       CYD         TOPSOIL SURFACE, PLACE       2515       SYD         SEED AND MULCH       2515       SYD         EROSION CONTROL, SILT FENCE       251       LFT         EROSION CONTROL, INLET FITLER       2       EA								

INSPECT THE SOIL EROSION AND SEDIMENTATION CONTROL DEVICES ONCE EACH WEEK S OF A RAINFALL EVENT WHICH RESULTS IN A STORM WATER DISCHARGE FROM THE SITE.

THE CONTRACTOR. THE CONSTRUCTION DRIVE SHALL BE CLEANED AT THE END OF EACH

NCE SHALL INCLUDE THE REMOVAL OF ANY BUILT UP SEDIMENT WHEN THE SEDIMENT

TRENCH OR REBACKFILL THE SILTATION FENCE SHOULD IT FALL OR BE DAMAGED DURING

LL BE AVAILABLE TO WATER DOWN THE SITE ON A DAILY BASIS AS REQUIRED TO MAINTAIN

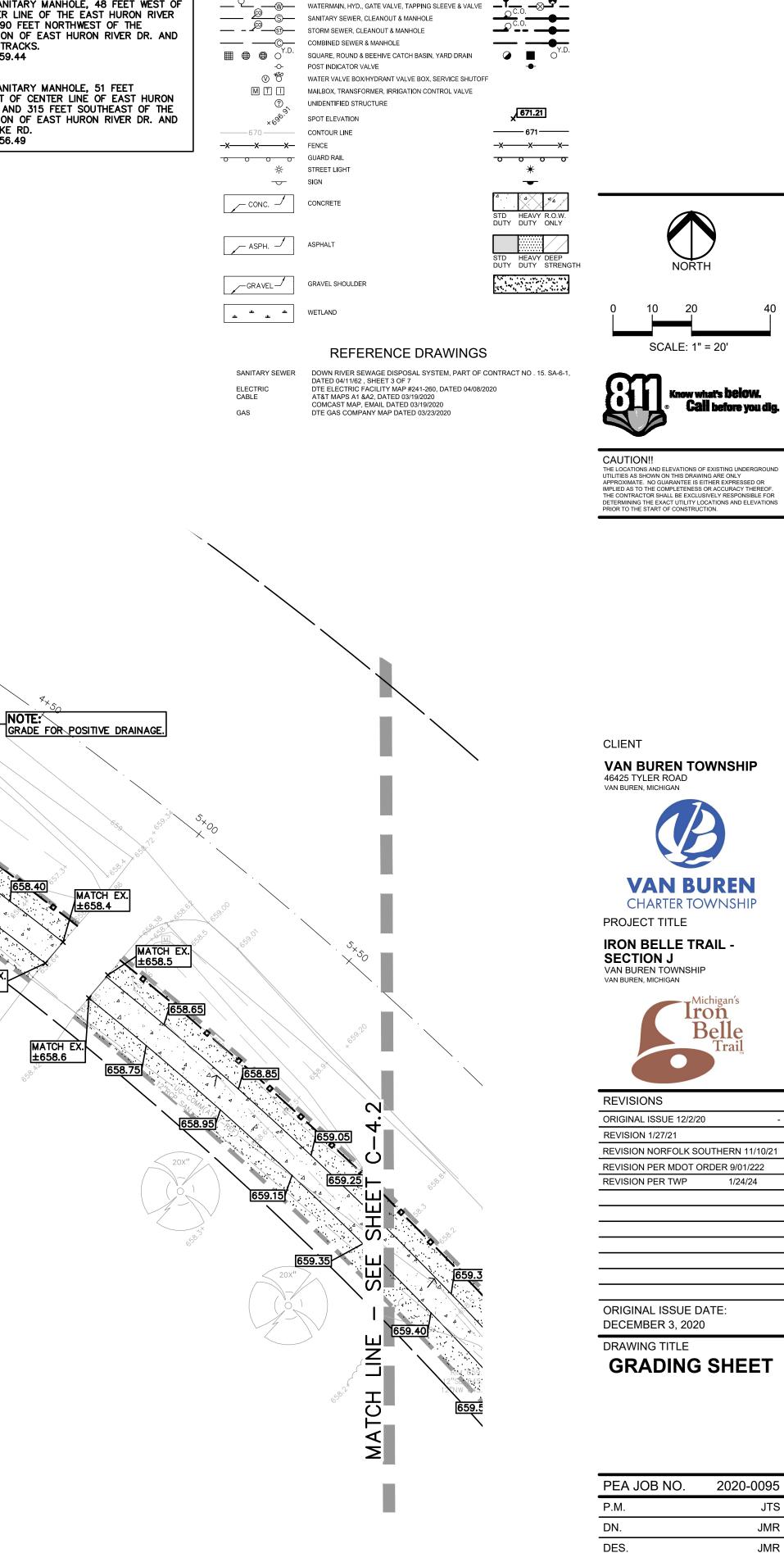
### FINAL INSPECTION AND CERTIFICATE OF COMPLETION REQUIREMENTS:

- ALL ITEMS ON APPROVED SESC PLAN AND PERMIT MUST BE COMPLETED.
- ALL DISTURBED EARTH MUST BE PERMANENTLY STABILIZED WITH VEGETATION OR HARD SURFACE.
- ACCUMULATED SEDIMENT MUST BE REMOVED FROM THE SITE AND AFFECTED STORM SEWER SYSTEM.
- ALL TEMPORARY SESC DEVICES MAY BE REMOVED AFTER CERTIFICATE OF COMPLETION.

## NOT FOR CONSTRUCTION

DRAWING NUMBER:

C-4.1



BM #301 TOP OF SANITARY MANHOLE, 48 FEET WEST OF THE CENTER LINE OF THE EAST HURON RIVER DR. AN D190 FEET NORTHWEST OF THE

INTERSECTION OF EAST HURON RIVER DR. AND RAILROAD TRACKS.

ELEV. – 659.44 BM #302 TOP OF SANITARY MANHOLE, 51 FEET SOUTHWEST OF CENTER LINE OF EAST HURON RIVER DR. AND 315 FEET SOUTHEAST OF THE

LEGEND IRON FOUND BRASS PLUG SET 💢 IRON SET MONUMENT FOUND 👏 NAIL FOUND MONUMENT SET  ${\mathscr O}$  NAIL & CAP SET

-UG-ELEC-EEE ELECTRIC U.G. CABLE, MANHOLE, METER & HANDHOLE

-UG-CATV-TV-UNDERGROUND CABLE TV, CATV PEDESTAL

GAS MAIN, VALVE & GAS LINE MARKER

EXISTING

SEC. CORNER FOUND R RECORDED M MEASURED C CALCULATED

PROPOSED

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**Call before you dig** 

MATCH EX. ±658.4

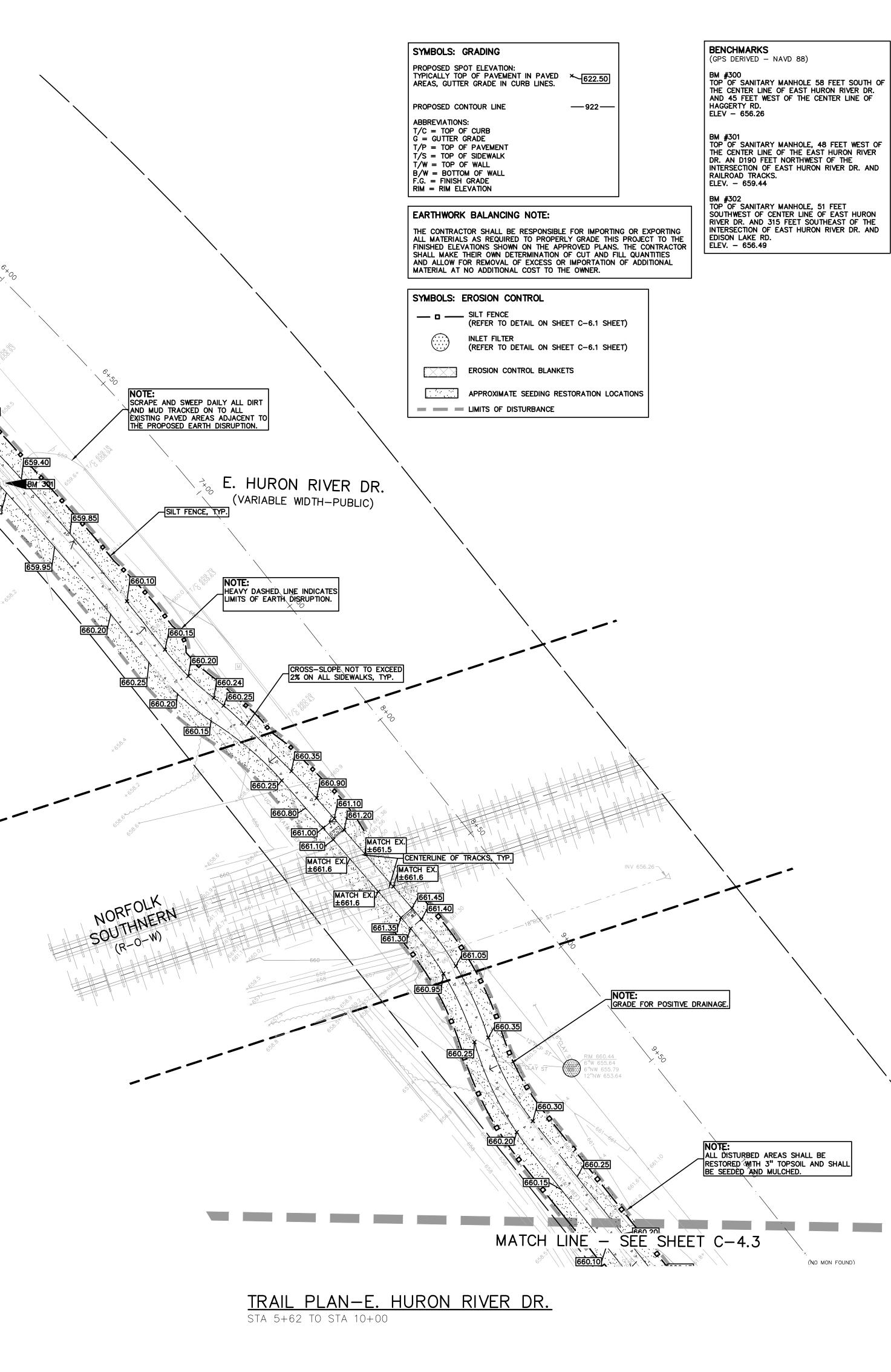
MATCH EX ±658.6

MATCH EX.

±658.6

BM #300 TOP OF SANITARY MANHOLE 58 FEET SOUTH OF THE CENTER LINE OF EAST HURON RIVER DR. AND 45 FEET WEST OF THE CENTER LINE OF

INTERSECTION OF EAST HURON RIVER DR. AND



MA

TCH

LINE

659.40

<u>59.05</u>

<u>659.</u>

4

## NOT FOR CONSTRUCTION

(NO MON FOUND)

PEA JOB NO.	2020-0095
P.M.	JTS
DN.	JMR
DES.	JMR
DRAWING NUMBER:	

C-4.2

PEA JOB NO.	2020-0095
P.M.	JTS
DN.	JMR
DES.	JMR

## DRAWING TITLE **GRADING SHEET**

ORIGINAL ISSUE DATE: DECEMBER 3, 2020

REVISIONS ORIGINAL ISSUE 12/2/20 REVISION 1/27/21 **REVISION NORFOLK SOUTHERN 11/10/21** REVISION PER MDOT ORDER 9/01/222

1/24/24

REVISION PER TWP



IRON BELLE TRAIL -SECTION J VAN BUREN TOWNSHIP VAN BUREN, MICHIGAN



**VAN BUREN** 



VAN BUREN TOWNSHIP 46425 TYLER ROAD VAN BUREN, MICHIGAN

CLIENT

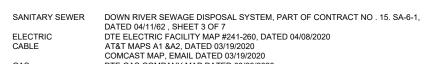
SCALE: 1" = 20'

THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.

CAUTION!!

Know what's DelOV

**Call before you dia** 



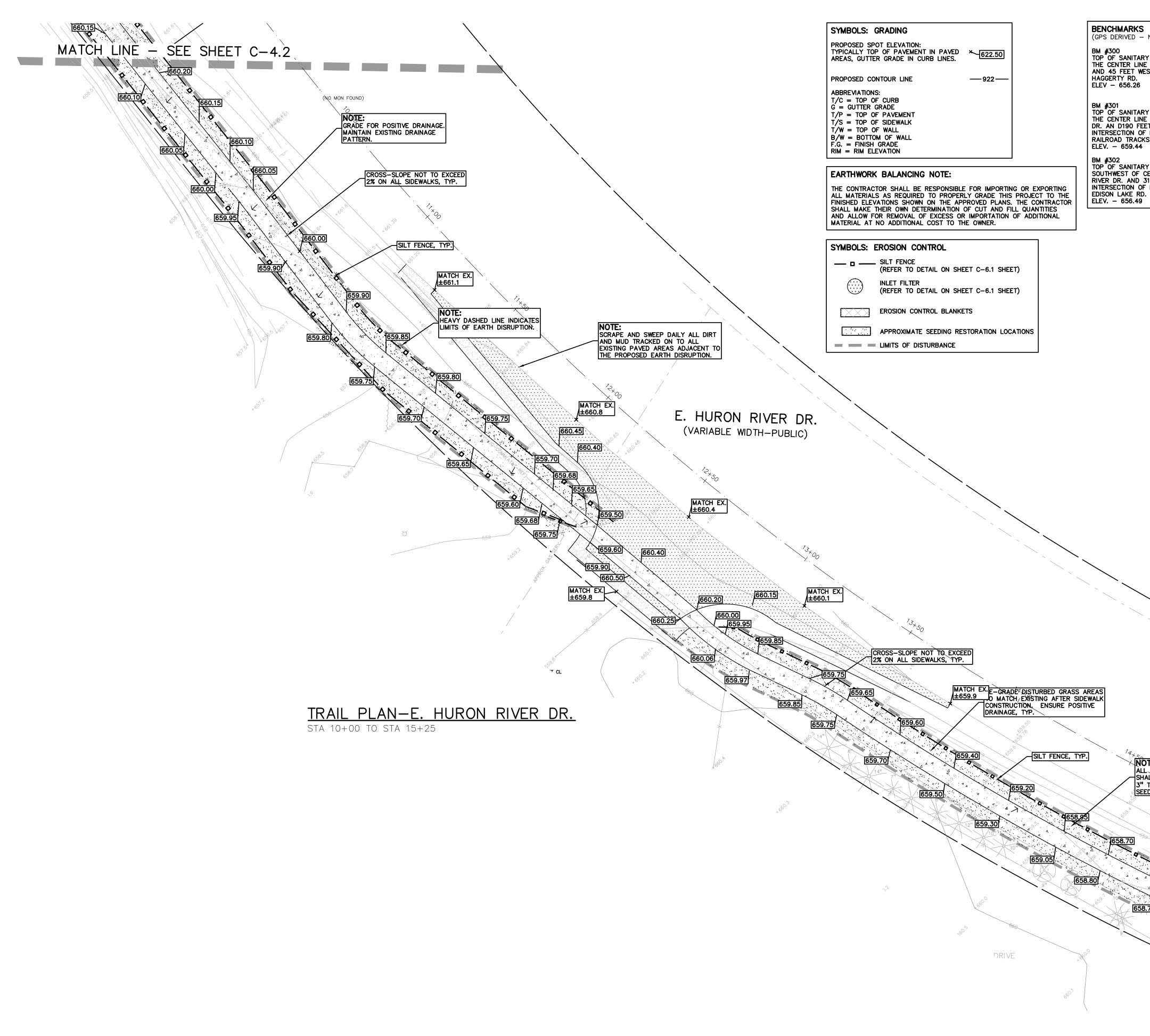
DTE GAS COMPANY MAP DATED 03/23/2020

GAS

BM #302 TOP OF SANITARY MANHOLE, 51 FEET SOUTHWEST OF CENTER LINE OF EAST HURON RIVER DR. AND 315 FEET SOUTHEAST OF THE INTERSECTION OF EAST HURON RIVER DR. AND

	LEGEND	
<ul> <li>IRON FOUND</li> <li>IRON SET</li> <li>NAIL FOUND</li> <li>NAIL &amp; CAP SET</li> <li>EXISTING</li> </ul>	<ul> <li>BRASS PLUG SET</li> <li>MONUMENT FOUND</li> <li>MONUMENT SET</li> </ul>	SEC. CORNER FOUND R RECORDED M MEASURED C CALCULATED PROPOSED
DH-ELEC-W-O JG-CATV- JG-CATV- JG-ELEC- O DG- DG- DG- DG- DG- DG- DG- DG-	ELEC., PHONE OR CABLE TV O.H. LINE, UNDERGROUND CABLE TV, CATV PEDE TELEPHONE U.G. CABLE, PEDESTAL & M ELECTRIC U.G. CABLE, PEDESTAL & M ELECTRIC U.G. CABLE, MANHOLE, METE GAS MAIN, VALVE & GAS LINE MARKER WATERMAIN, HYD., GATE VALVE, TAPPI SANITARY SEWER, CLEANOUT & MANHOLE STORM SEWER, CLEANOUT & MANHOLE COMBINED SEWER & MANHOLE SQUARE, ROUND & BEEHIVE CATCH BA POST INDICATOR VALVE WATER VALVE BOX/HYDRANT VALVE BO MAILBOX, TRANSFORMER, IRRIGATION UNIDENTIFIED STRUCTURE SPOT ELEVATION CONTOUR LINE FENCE GUARD RAIL STREET LIGHT	STAL MANHOLE ER & HANDHOLE DLE E. SIN, YARD DRAIN
-0-	SIGN	- <b>-</b>
CONC.	CONCRETE	STD HEAVY R.O.W. DUTY DUTY ONLY
ASPH	ASPHALT	STD HEAVY DEEP DUTY DUTY STRENGTH
GRAVEL	GRAVEL SHOULDER	
یور یور بور مورد	WETLAND	
	REFERENCE D	RAWINGS

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## NOT FOR CONSTRUCTION

PEA JOB NO.	2020-0095
P.M.	JTS
DN.	JMR
DES.	JMR
DRAWING NUMBER	

C-4.3



## DECEMBER 3, 2020 DRAWING TITLE **GRADING SHEET**

ORIGINAL ISSUE DATE:

ORIGINAL ISSUE 12/2/20 REVISION 1/27/21 REVISION NORFOLK SOUTHERN 11/10/21 REVISION PER MDOT ORDER 9/01/222 REVISION PER TWP 1/24/24

REVISIONS

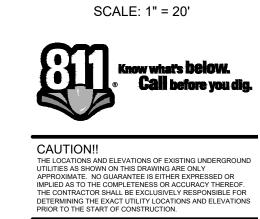


IRON BELLE TRAIL -SECTION J VAN BUREN TOWNSHIP





CLIENT VAN BUREN TOWNSHIP



## REFERENCE DRAWINGS

 
 SANITARY SEWER
 DOWN RIVER SEWAGE DISPOSAL SYSTEM, PART OF CONTRACT NO . 15. SA-6-1, DATED 04/11/62 , SHEET 3 OF 7

 ELECTRIC
 DTE ELECTRIC FACILITY MAP #241.260, DATED 04/08/2020
 AT&T MAPS A1 &A2, DATED 03/19/2020 COMCAST MAP, EMAIL DATED 03/19/2020 DTE GAS COMPANY MAP DATED 03/23/2020

GRAVEL ىقد <u>يقد</u> يقد يقد

ELECTRIC CABLE

GAS

🖉 NAIL & CAP SET EXISTING -OH-ELEC-W-O-----UG-CATV-TV--⊠-UG-PHONE-①-----UG-ELEC-DEKE> V 8 МТI ? ×6% ------670--------x----x----x--0 0 0 0 -<u>%</u>--0-\_ CONC. \_ ASPH. –

	© BRASS PLUG SET	<b>H</b>	SEC. COR	NER FOUND
Г	<ul> <li>MONUMENT FOUND</li> <li>MONUMENT SET</li> </ul>	R M C	RECORDE MEASURE CALCULA	D
				FROFUSED
	ELEC., PHONE OR CABLE TV O.H. LINE, POL	E & Gl	JY WIRE	
	UNDERGROUND CABLE TV, CATV PEDESTA	L		
	TELEPHONE U.G. CABLE, PEDESTAL & MANI	HOLE		
	ELECTRIC U.G. CABLE, MANHOLE, METER &	HAND	HOLE	
	GAS MAIN, VALVE & GAS LINE MARKER			¥ a
	WATERMAIN, HYD., GATE VALVE, TAPPING S	SLEEV	E & VALVE	
	SANITARY SEWER, CLEANOUT & MANHOLE STORM SEWER, CLEANOUT & MANHOLE			O <sup>C.0.</sup>
	COMBINED SEWER & MANHOLE			
	SQUARE, ROUND & BEEHIVE CATCH BASIN,	YARD		Y.D.
	POST INDICATOR VALVE	17410	DIGUN	• • ·
	WATER VALVE BOX/HYDRANT VALVE BOX, S	SERVIO	CE SHUTOFF	
	MAILBOX, TRANSFORMER, IRRIGATION CON	ITROL	VALVE	
	UNIDENTIFIED STRUCTURE			
	SPOT ELEVATION			x <sup>671.21</sup>
	CONTOUR LINE			671
	FENCE			-xxx
	GUARD RAIL			<del>0000</del>
	STREET LIGHT			₩
	SIGN			
	CONCRETE			STD HEAVY R.O.W. DUTY DUTY ONLY
	ASPHALT			STD HEAVY DEEP DUTY DUTY STRENGTH
	GRAVEL SHOULDER			
	WETLAND			

RAILROAD TRACKS.

ELEV. – 659.44 BM #302 TOP OF SANITARY MANHOLE, 51 FEET SOUTHWEST OF CENTER LINE OF EAST HURON RIVER DR. AND 315 FEET SOUTHEAST OF THE INTERSECTION OF EAST HURON RIVER DR. AND

NOTE: ALL DISTURBED AREAS SHALL BE RESTORED WITH 3" TOPSOIL AND SHALL BE SEEDED AND MULCHED.

MA TCA

BENCHMARKS (GPS DERIVED - NAVD 88)

BM #300 TOP OF SANITARY MANHOLE 58 FEET SOUTH OF THE CENTER LINE OF EAST HURON RIVER DR. AND 45 FEET WEST OF THE CENTER LINE OF

HAGGERTY RD. ELEV - 656.26

BM #301 TOP OF SANITARY MANHOLE, 48 FEET WEST OF THE CENTER LINE OF THE EAST HURON RIVER DR. AN D190 FEET NORTHWEST OF THE INTERSECTION OF EAST HURON RIVER DR. AND

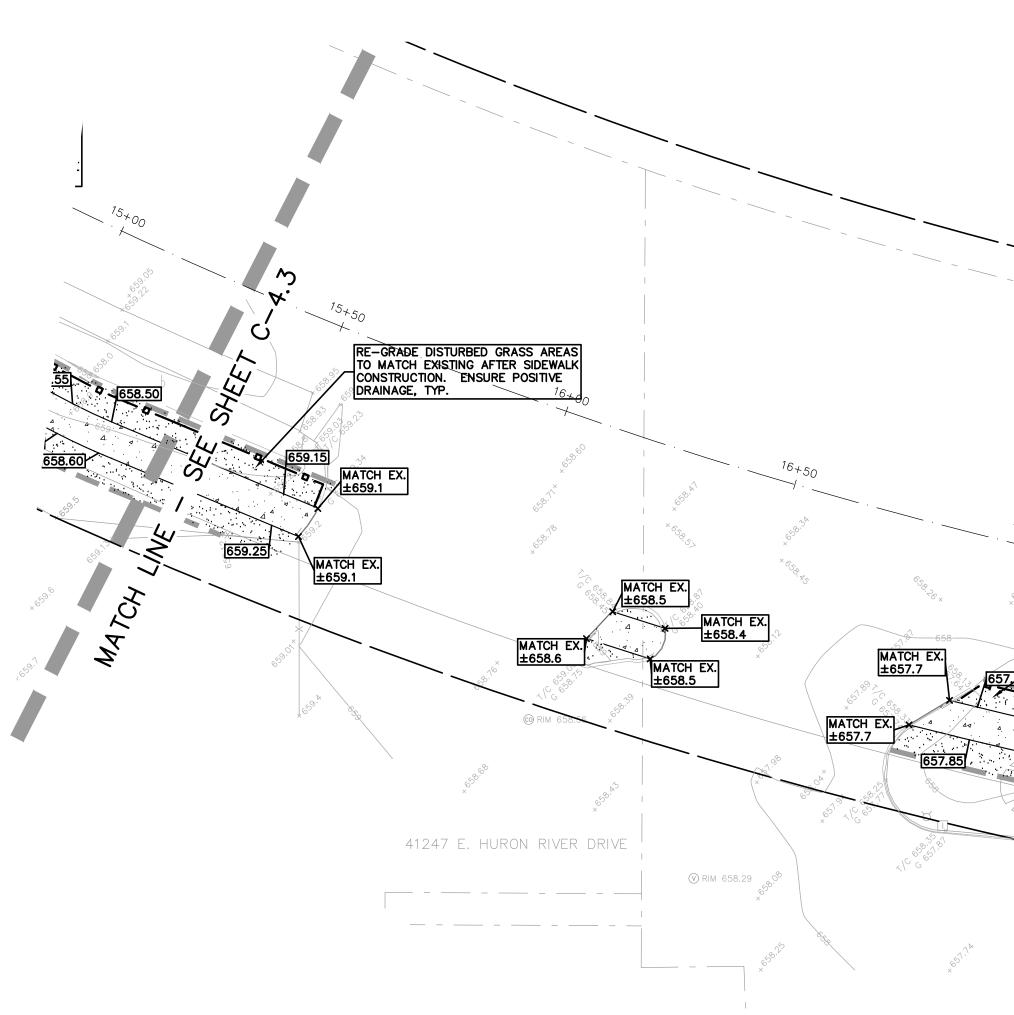
LEGEND

IRON FOUND

👏 NAIL FOUND

💢 IRON SET

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SYMBOLS: 0	RADING			
	OT ELEVATION: OF PAVEMENT IN PAVED R GRADE IN CURB LINES.	×622.50		
PROPOSED CON	ITOUR LINE	<u> </u>		
ABBREVIATIONS T/C = TOP OF G = GUTTER G T/P = TOP OF T/S = TOP OF T/W = TOP OF B/W = BOTTOP F.G. = FINISH RIM = RIM ELE	CURB RADE PAVEMENT SIDEWALK WALL MOF WALL GRADE			
EARTHWORK	BALANCING NOTE:			
ALL MATERIALS FINISHED ELEV/ SHALL MAKE T AND ALLOW FO	OR SHALL BE RESPONSIBLE S AS REQUIRED TO PROPER ATIONS SHOWN ON THE APP HEIR OWN DETERMINATION ( OR REMOVAL OF EXCESS OR NO ADDITIONAL COST TO TH	LY GRADE THIS PROVED PLANS. DF CUT AND FI IMPORTATION	PROJEC THE CO LL QUAN	T TO TH NTRACT TITIES
SYMBOLS: E	ROSION CONTROL			
— o —	SILT FENCE (REFER TO DETAIL ON SHE	et c—6.1 shee	T)	
	INLET FILTER (REFER TO DETAIL ON SHE	ET C-6.1 SHEE	T)	

EROSION CONTROL BLANKETS

LIMITS OF DISTURBANCE

APPROXIMATE SEEDING RESTORATION LOCATIONS

17+50 GRADE FOR POSITIVE DRAINAGE. HEAVY DASHED LINE INDICATES LIMITS OF EARTH DISRUPTION. 658.15 658.00 658.00 657.90 -SILT FENCE, TYP. MATCH EX. ±657.6 CROSS-SLOPE NOT TO EXCEED 2% ON ALL SIDEWALKS, TYP. 658.25 658.10 657.85 MATCH EX. ±656.6 MATCH EX. ±657.5 657.65 658.00 MATCH EX. ±657.7 657.10 656.85 <u>±656.7</u> NOTE: ALL DISTURBED AREAS SHALL BE RESTORED WITH 3" TOPSOIL AND SHALL BE SEEDED AND MULCHED.

## TRAIL PLAN-E. HURON RIVER DR.

STA 15+25 TO STA 20+75

## NOT FOR CONSTRUCTION

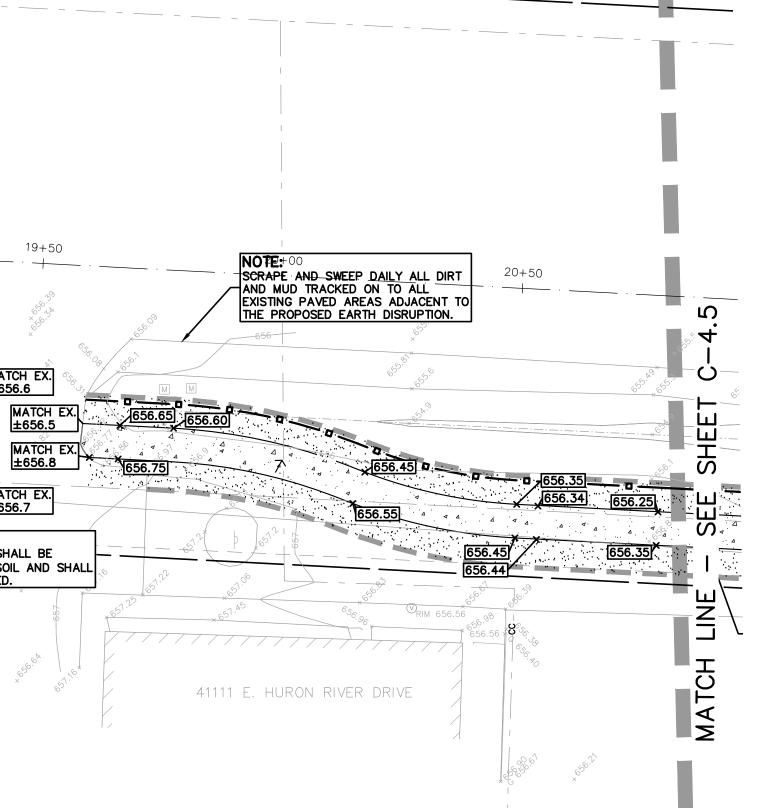
PEA JOB NO.	2020-0095
P.M.	JTS
DN.	JMR
DES.	JMR
DRAWING NUMBER:	:

C-4.4

**GRADING SHEET** 

ORIGINAL ISSUE DATE: DECEMBER 3, 2020

DRAWING TITLE

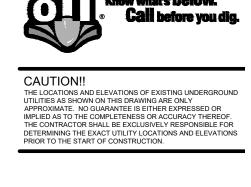




VAN BUREN TOWNSHIP

CLIENT

46425 TYLER ROAD VAN BUREN, MICHIGAN



SCALE: 1" = 20'

Know what's DelOW



GAS

 SANITARY SEWER
 DOWN RIVER SEWAGE DISPOSAL SYSTEM, PART OF CONTRACT NO . 15. SA-6-1, DATED 04/11/62 , SHEET 3 OF 7

 ELECTRIC
 DTE ELECTRIC FACILITY MAP #241-260, DATED 04/08/2020

 CABLE
 AT&T MAPS A1 &A2, DATED 03/19/2020

 COMCAST MAP, EMAIL DATED 03/19/2020
 COMCAST MAP, EMAIL DATED 03/19/2020

 DTE GAS COMPANY MAP DATED 03/23/2020

POST INDICATOR VALVE O Ö UNIDENTIFIED STRUCTURE ?、 SPOT ELEVATION ×୍ବ୍ଧ \_\_\_\_\_\_670 \_\_\_\_\_ CONTOUR LINE O O O O GUARD RAIL ☆- STREET LIGHT -<del>---</del>SIGN \_ CONC. – CONCRETE \_\_\_\_ASPH. \_\_\_\_\_ASPHALT

Q BRASS PLUG SET IRON FOUND SEC. CORNER FOUND 💢 IRON SET MONUMENT FOUND R RECORDED 👏 NAIL FOUND 🔘 MONUMENT SET M MEASURED Ø NAIL & CAP SET C CALCULATED EXISTING PROPOSED -UG-CATV-TV-UNDERGROUND CABLE TV, CATV PEDESTAL -UG-ELEC-CEEC ELECTRIC U.G. CABLE, MANHOLE, METER & HANDHOLE GAS MAIN, VALVE & GAS LINE MARKER SANITARY SEWER, CLEANOUT & MANHOLE COMBINED SEWER & MANHOLE \_\_\_\_ SQUARE, ROUND & BEEHIVE CATCH BASIN, YARD DRAIN WATER VALVE BOX/HYDRANT VALVE BOX, SERVICE SHUTOFF M T I MAILBOX, TRANSFORMER, IRRIGATION CONTROL VALVE GRAVEL SHOULDER \_\_\_\_GRAVEL\_\_\_ یلاد یلاد یلاد یلاد WETLAND

LEGEND

671.21 671 \_x\_\_\_x\_\_\_\_x\_\_\_ <del>0 0 0 0</del> ☀ -----STD HEAVY R.O.W. DUTY DUTY ONLY STD HEAVY DEEP DUTY DUTY STRENGTH 



BM #300 TOP OF SANITARY MANHOLE 58 FEET SOUTH OF THE CENTER LINE OF EAST HURON RIVER DR. AND 45 FEET WEST OF THE CENTER LINE OF

RAILROAD TRACKS.

ELEV. - 659.44 BM #302 TOP OF SANITARY MANHOLE, 51 FEET SOUTHWEST OF CENTER LINE OF EAST HURON RIVER DR. AND 315 FEET SOUTHEAST OF THE

INTERSECTION OF EAST HURON RIVER DR. AND

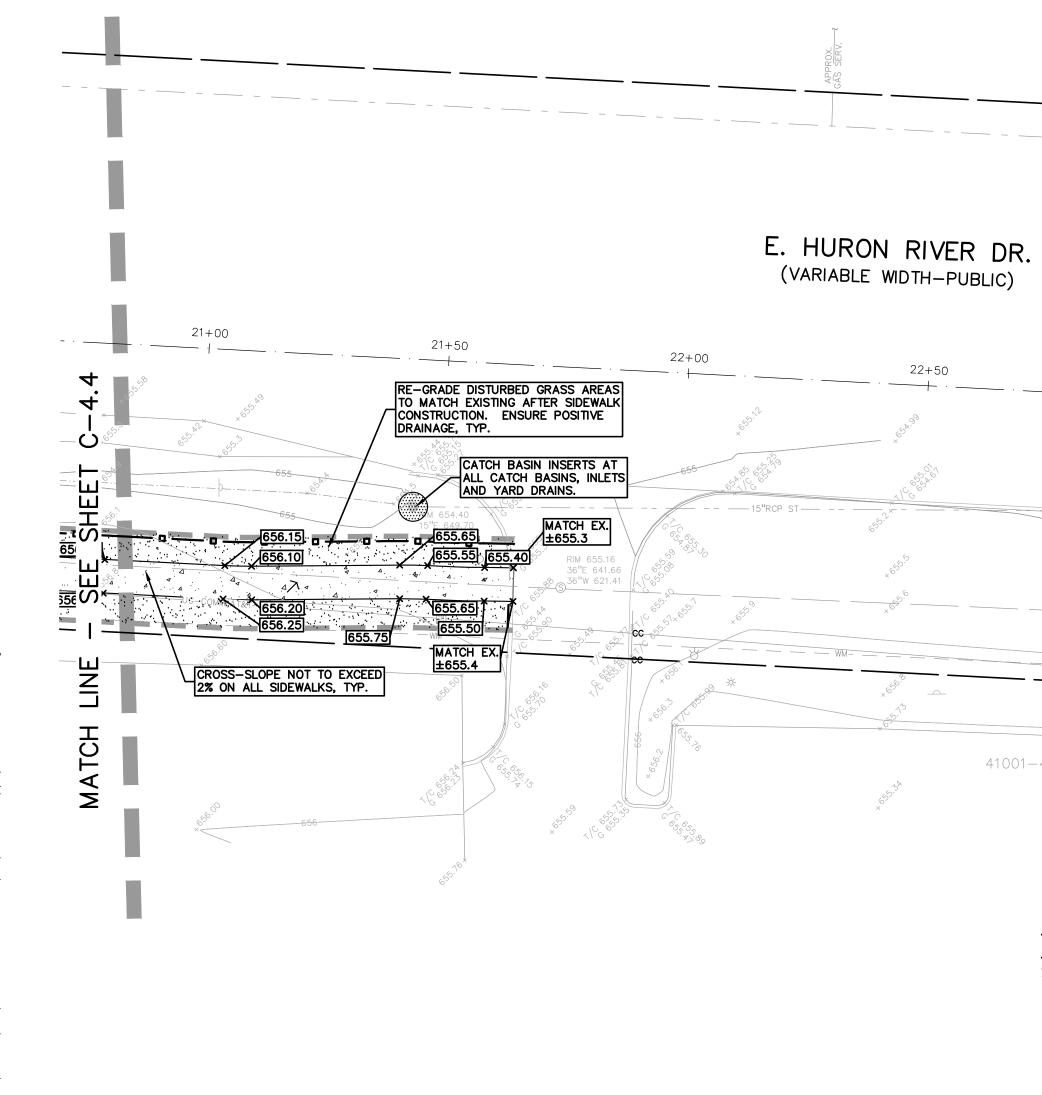
(GPS DERIVED - NAVD 88)

HAGGERTY RD. ELEV - 656.26

BENCHMARKS

EDISON LAKE RD. ELEV. - 656.49

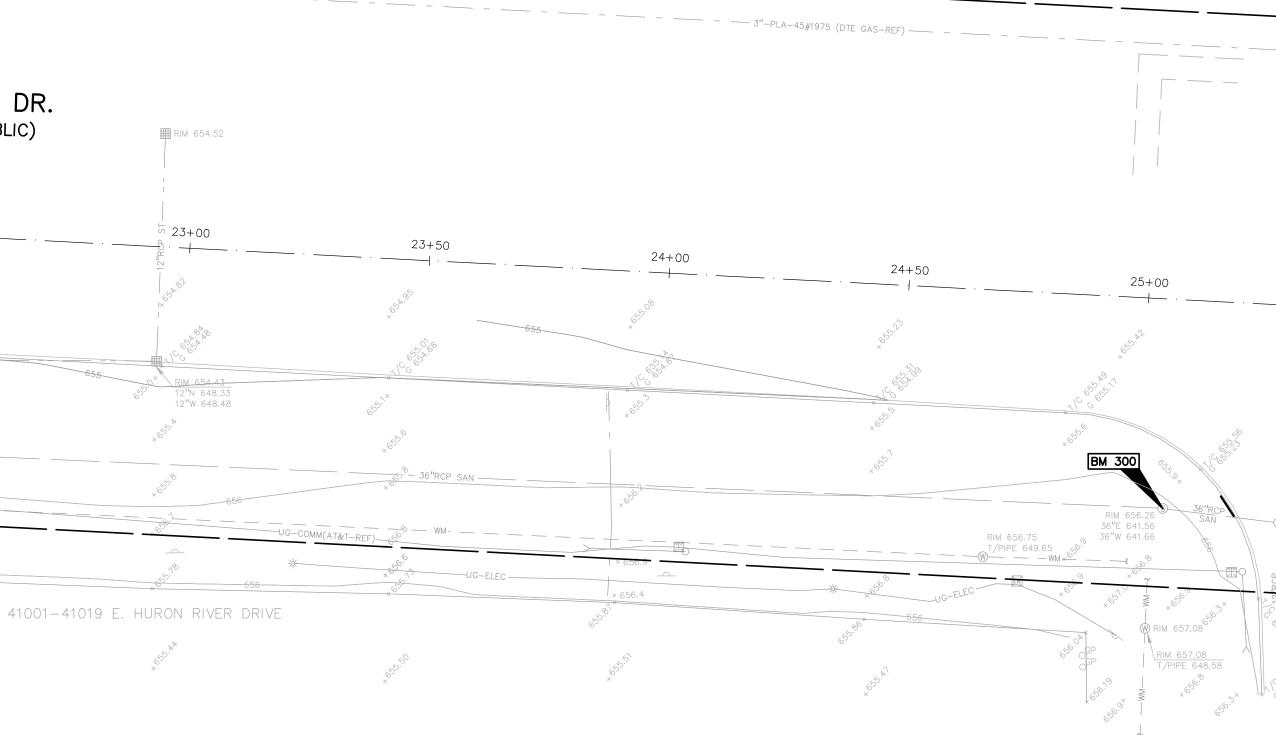
BM #301 TOP OF SANITARY MANHOLE, 48 FEET WEST OF THE CENTER LINE OF THE EAST HURON RIVER DR. AN D190 FEET NORTHWEST OF THE INTERSECTION OF EAST HURON RIVER DR. AND DAMING TRACKS



			_	
SYMBOLS:	GRADING			
TYPICALLY TO	OT ELEVATION: P OF PAVEMENT IN PAVED R GRADE IN CURB LINES.	×622.50		
PROPOSED CO	NTOUR LINE	<u> </u>		
ABBREVIATION T/C = TOP O G = GUTTER G T/P = TOP O T/S = TOP O T/W = TOP O B/W = BOTTO F.G. = FINISH RIM = RIM EL	F CURB GRADE F PAVEMENT F SIDEWALK F WALL M OF WALL GRADE			
THE CONTRAC ALL MATERIAL FINISHED ELEV SHALL MAKE AND ALLOW F	<b>C BALANCING NOTE:</b> TOR SHALL BE RESPONSIBLI S AS REQUIRED TO PROPER ATIONS SHOWN ON THE AP THEIR OWN DETERMINATION OR REMOVAL OF EXCESS OF NO ADDITIONAL COST TO TH	RLY GRADE THIS PROVED PLANS. OF CUT AND FI R IMPORTATION	PROJEC THE CO	T TO THE INTRACTOR
				1
SYMBOLS:	EROSION CONTROL			
_ o	. SILT FENCE (REFER TO DETAIL ON SHI	EET C-6.1 SHEE	ET)	
	INLET FILTER (REFER TO DETAIL ON SHI	EET C-6.1 SHEE	ET)	
$(\times \times \times$	EROSION CONTROL BLANK	ETS		

APPROXIMATE SEEDING RESTORATION LOCATIONS

- LIMITS OF DISTURBANCE



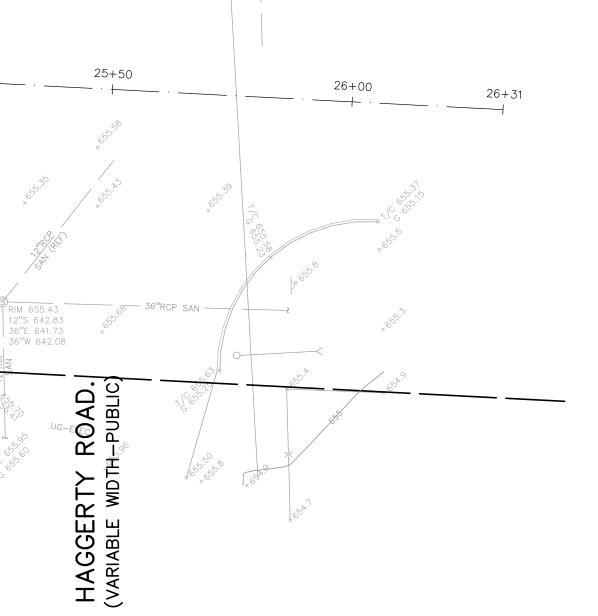
## TRAIL PLAN-E. HURON RIVER DR. STA 20+75 TO STA 21-63

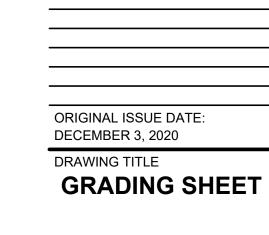
22+50

## NOT FOR CONSTRUCTION

PEA JOB NO.	2020-0095
P.M.	JTS
DN.	JMR
DES.	JMR
DRAWING NUMBER	R:

C-4.5







**REVISION NORFOLK SOUTHERN 11/10/21** 

1/24/24

REVISION PER MDOT ORDER 9/01/222

ORIGINAL ISSUE 12/2/20

REVISION 1/27/21

REVISION PER TWP

IRON BELLE TRAIL -SECTION J VAN BUREN TOWNSHIP VAN BUREN, MICHIGAN





CLIENT VAN BUREN TOWNSHIP





<del>ooo</del>gua -☆- Stree -<del>--</del>SIGN CONC. CON ASPH. ASPHA GRAVEL \_\_\_\_ GRAV <del>عد عد</del> MET

<ul> <li>IRON FOUND</li> <li>IRON SET</li> <li>NAIL FOUND</li> <li>NAIL &amp; CAP SET</li> </ul> <u>EXISTING</u>	<ul> <li>BRASS PLUG SET</li> <li>● MONUMENT FOUND</li> <li>● MONUMENT SET</li> </ul>	SEC. CORNER FOUND R RECORDED M MEASURED C CALCULATED PROPOSED
-OH-ELEC-₩-O -UG-CATV 1 -UG-ELEC-®EK -UG-ELEC-®EK -UG-ELEC-®E -U	ELEC., PHONE OR CABLE TV O.H. LINE, PC UNDERGROUND CABLE TV, CATV PEDEST TELEPHONE U.G. CABLE, PEDESTAL & MA ELECTRIC U.G. CABLE, MANHOLE, METER GAS MAIN, VALVE & GAS LINE MARKER WATERMAIN, HYD., GATE VALVE, TAPPING SANITARY SEWER, CLEANOUT & MANHOLE STORM SEWER, CLEANOUT & MANHOLE SOMBINED SEWER & MANHOLE SQUARE, ROUND & BEEHIVE CATCH BASII POST INDICATOR VALVE WATER VALVE BOX/HYDRANT VALVE BOX	AL NHOLE & HANDHOLE S SLEEVE & VALVE E N, YARD DRAIN
	MAILEN VALUE DOATH DIGNITURINAL VALUE DOA MAILBOX, TRANSFORMER, IRRIGATION CO UNIDENTIFIED STRUCTURE SPOT ELEVATION CONTOUR LINE FENCE GUARD RAIL STREET LIGHT SIGN	
CONC.	CONCRETE	STD HEAVY R.O.W. DUTY DUTY ONLY
ASPH.	ASPHALT	STD HEAVY DEEP DUTY DUTY STRENG
-GRAVEL-	GRAVEL SHOULDER	

LEGEND

## REFERENCE DRAWINGS

 SANITARY SEWER
 DOWN RIVER SEWAGE DISPOSAL SYSTEM, PART OF CONTRACT NO . 15. SA-6-1, DATED 04/11/62 , SHEET 3 OF 7

 ELECTRIC
 DTE ELECTRIC FACILITY MAP #241-260, DATED 04/08/2020

 CABLE
 AT&T MAPS A1 &A2, DATED 03/19/2020

 COMCAST MAP, EMAIL DATED 03/19/2020

 GAS
 DTE GAS COMPANY MAP DATED 03/23/2020

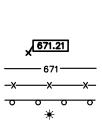
### BENCHMARKS (GPS DERIVED - NAVD 88)

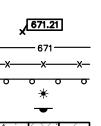
BM #300 TOP OF SANITARY MANHOLE 58 FEET SOUTH OF THE CENTER LINE OF EAST HURON RIVER DR. AND 45 FEET WEST OF THE CENTER LINE OF HAGGERTY RD. ELEV - 656.26

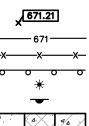
# BM #301 TOP OF SANITARY MANHOLE, 48 FEET WEST OF THE CENTER LINE OF THE EAST HURON RIVER DR. AN D190 FEET NORTHWEST OF THE

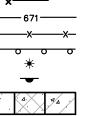
INTERSECTION OF EAST HURON RIVER DR. AND RAILROAD TRACKS. ELEV. - 659.44 BM #302 TOP OF SANITARY MANHOLE, 51 FEET SOUTHWEST OF CENTER LINE OF EAST HURON RIVER DR. AND 315 FEET SOUTHEAST OF THE INTERSECTION OF EAST HURON RIVER DR. AND EDISON LAKE RD. ELEV. - 656.49 ΡΞΛ GROUP t: 844.813.2949 www.peagroup.com

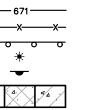
1.21 671 ———

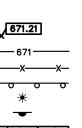


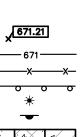


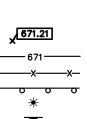


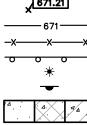


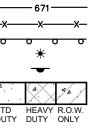


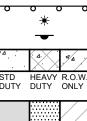


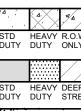


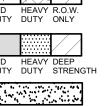




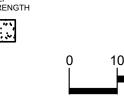


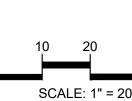


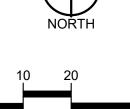


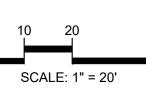


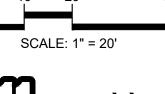




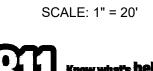






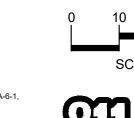


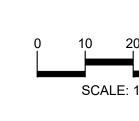


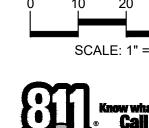


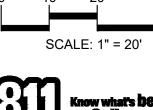


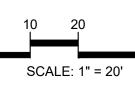


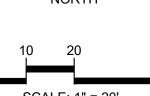


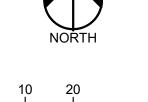


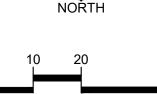


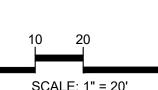


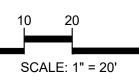


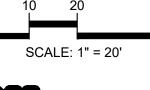


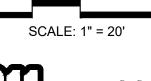












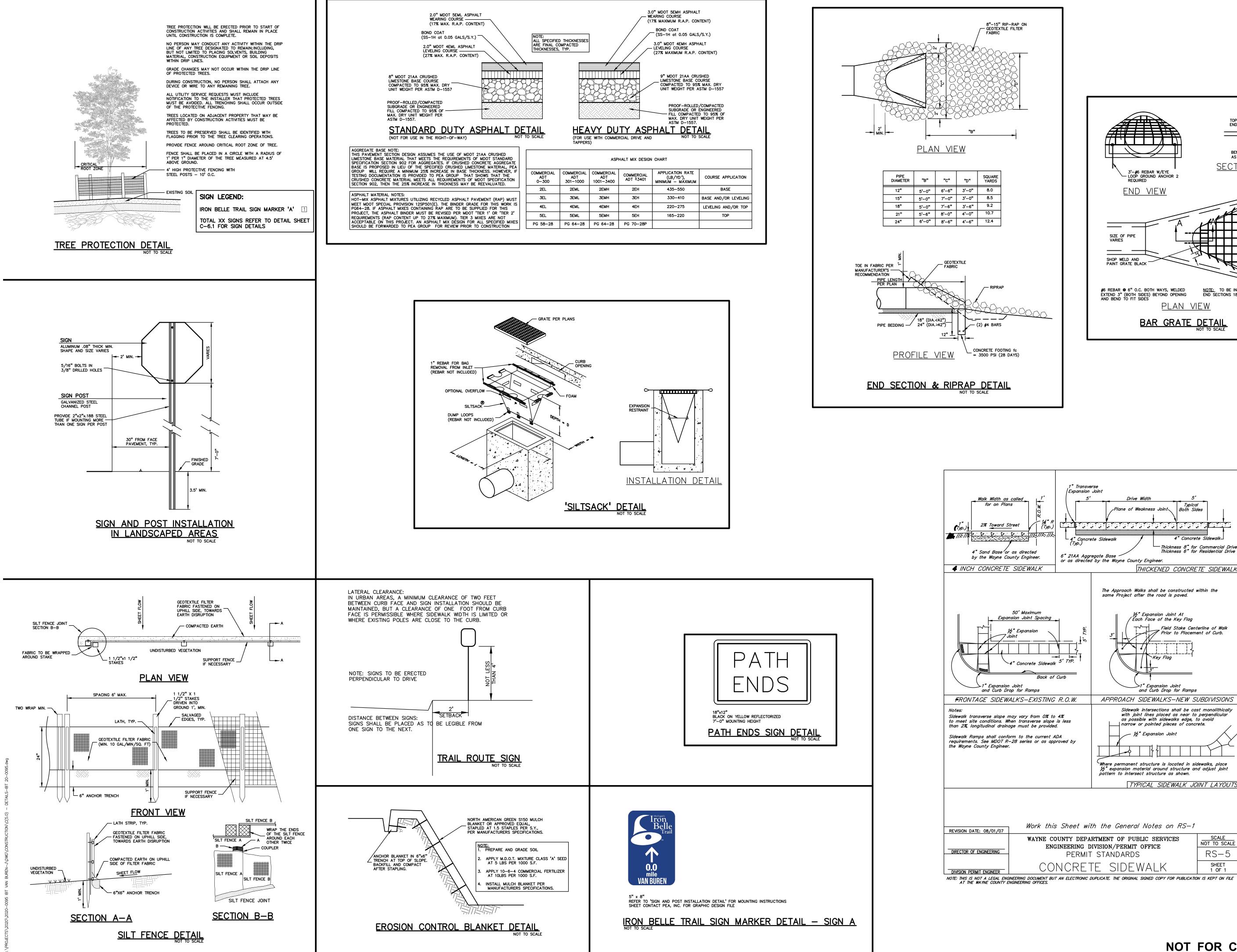








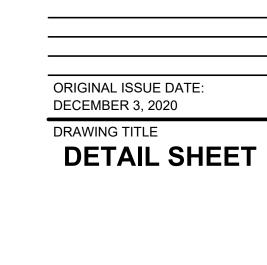


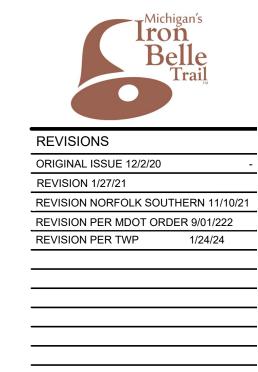


ΝΟΤ	FOR	CONSTRUCTION
IUNI	FUR	CONSTRUCTION

PEA JOB NO.	2020-0095
P.M.	JTS
DN.	JMR
DES.	JMR
DRAWING NUMBER:	

C-5.2





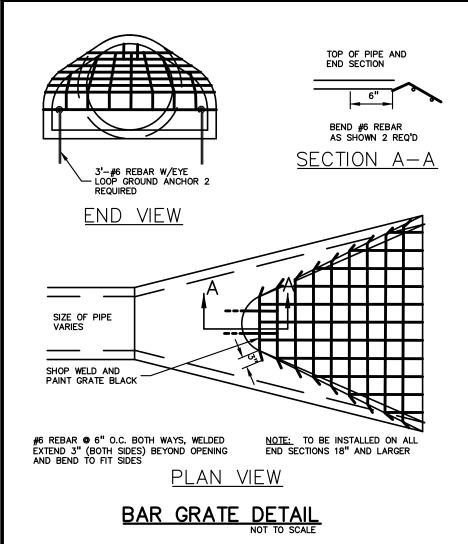


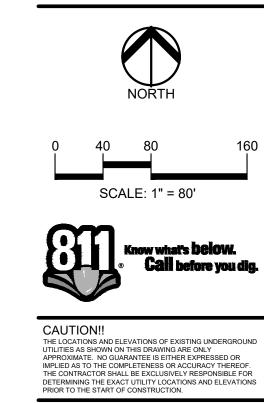
SECTION J

VAN BUREN TOWNSHIP VAN BUREN, MICHIGAN

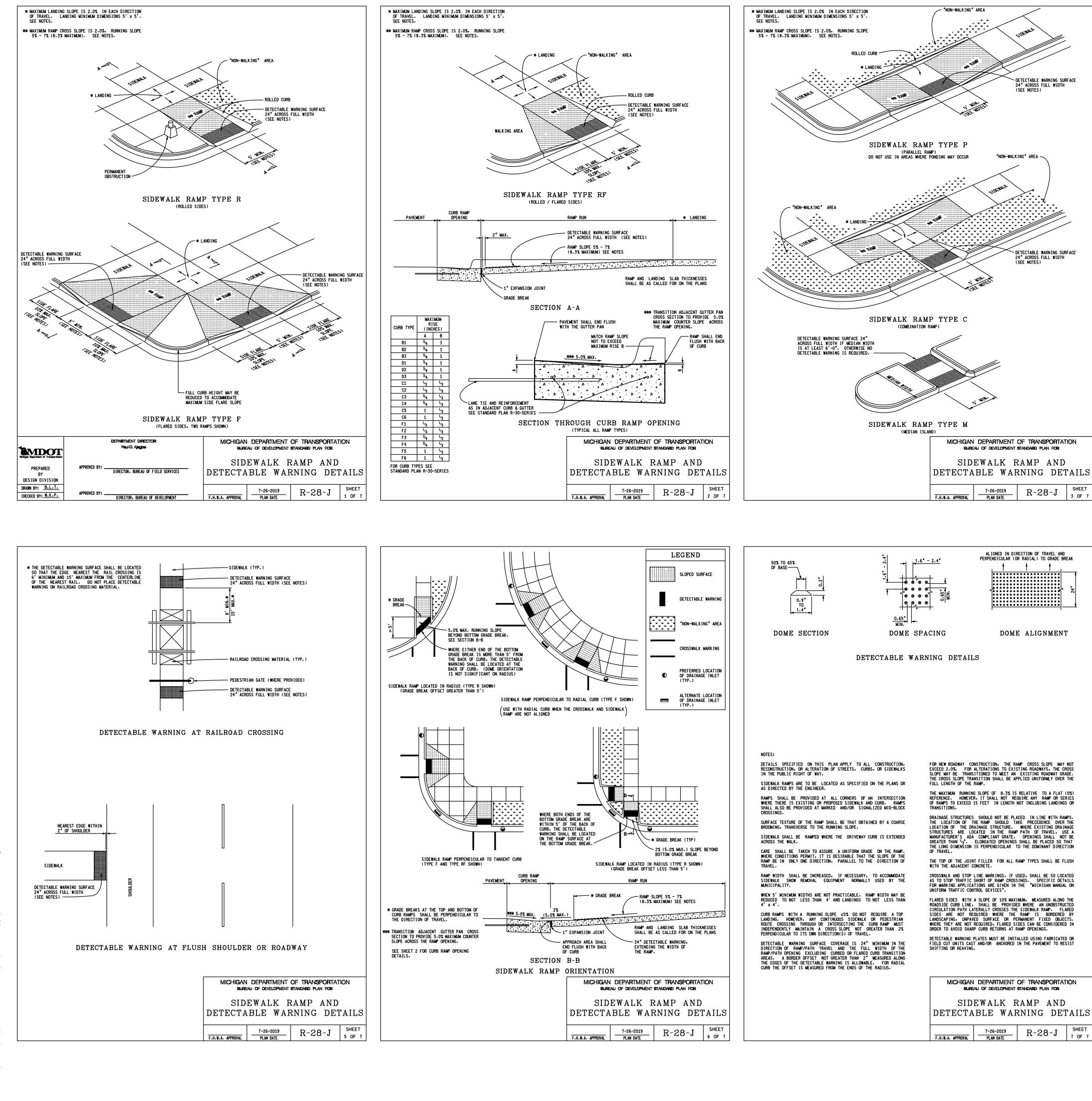


CLIENT VAN BUREN TOWNSHIP









ΝΟΤ	FOR	CONSTRUCTION

PEA JOB NO.	2020-0095
P.M.	JTS
DN.	JMR
DES.	JMR
DRAWING NUMBER	R:

C-5.3



DECEMBER 3, 2020

ORIGINAL ISSUE DATE:

REVISION PER TWP 1/24/24 

**ORIGINAL ISSUE 12/2/20 REVISION 1/27/21 REVISION NORFOLK SOUTHERN 11/10/21** REVISION PER MDOT ORDER 9/01/222



**IRON BELLE TRAIL -SECTION J** VAN BUREN TOWNSHIP VAN BUREN, MICHIGAN

REVISIONS





VAN BUREN TOWNSHIP 46425 TYLER ROAD VAN BUREN, MICHIGAN

CLIENT

- "NON-WALKING" AREA - ROLLED CURB - 2" MAXIMUM DETECTABLE WARNING BORDER OFFSET MEASURED FROM THE ENDS OF THE RADIUS. SEE NOTES (RADIAL DETECTABLE WARNING SHOWN ) "NON-WALKING" AREA \* \* \* \* \* \* \* \* \* \* \* \* \* 2" MAXIMUM DETECTABLE WARNING BORDER OFFSET MEASURED FROM THE ENDS OF THE RADIUS. SEE NOTES (TANGENT DETECTABLE WARNING SHOWN ) SIDEWALK RAMP TYPE D (DEPRESSED CORNER) USE ONLY WHEN INDEPENDENT DIRECTIONAL RAMPS CAN NOT BE CONSTRUCTED FOR EACH CROSSING DIRECTION MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN FOR SIDEWALK RAMP AND DETECTABLE WARNING DETAILS 7-26-2019 R-28-J SHEET

PLAN DATE

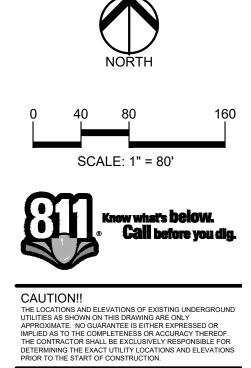
F.H.W.A. APPROVAL

\* MAXIMUM LANDING SLOPE IS 2.0% IN EACH DIRECTION OF TRAVEL. LANDING MINIMUM DIMENSIONS 5' x 5'. SEE NOTES.

\*\*\* MAXIMUM RAMP CROSS SLOPE IS 2.0%, RUNNING SLOPE 5% - 7% (8.3% MAXIMUM). SEE NOTES.

SHEET

SHEE1

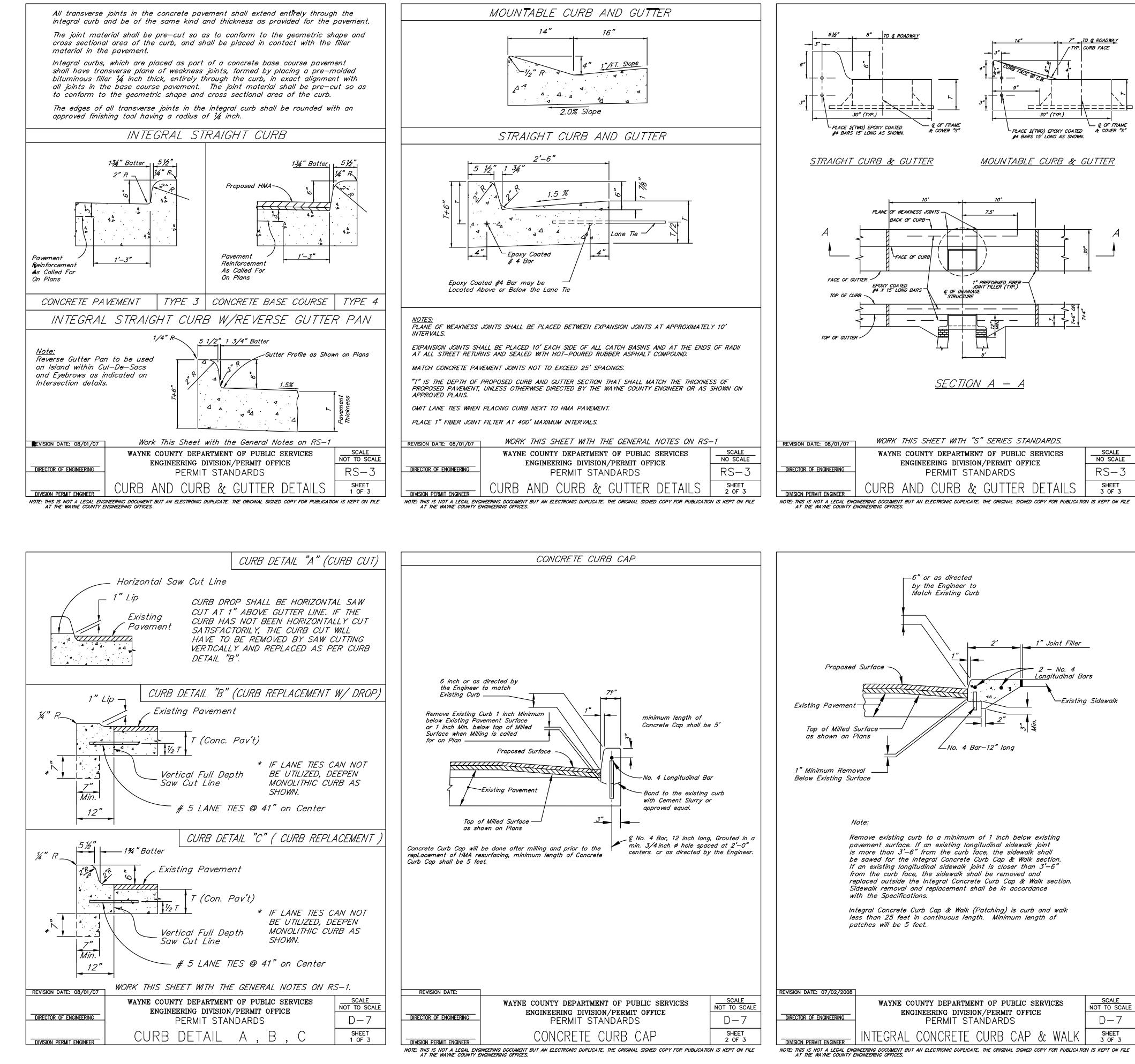


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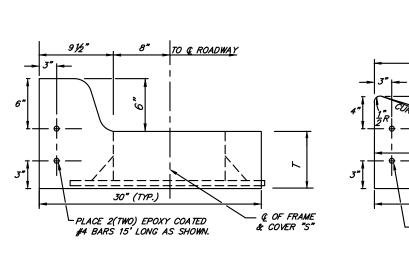
GROUP

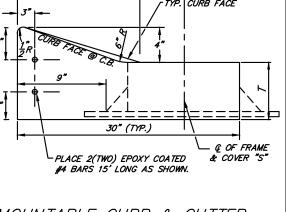
t: 844.813.2949

www.peagroup.com

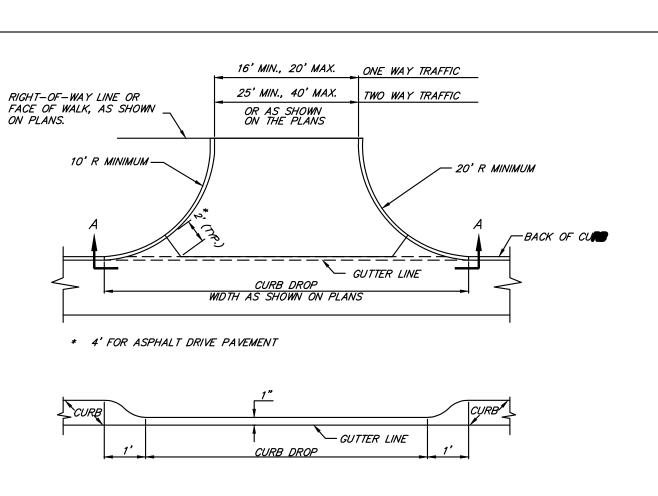


RK THIS SHEET WITH THE GENERAL NOTES ON RS-	-1		
NE COUNTY DEPARTMENT OF PUBLIC SERVICES ENGINEERING DIVISION/PERMIT OFFICE	SCALE NO SCALE		
PERMIT STANDARDS	RS-3		
AND CURB & GUTTER DETAILS	SHEET 2 OF 3		





REVISION DATE: 08/01/07	WORK THIS SHEET WITH "S" SERIES STANDARDS.	
	WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES ENGINEERING DIVISION/PERMIT OFFICE	SCALE NO SCALE
DIRECTOR OF ENGINEERING	PERMIT STANDARDS	RS-3
DIVISION PERMIT ENGINEER	CURB AND CURB & GUTTER DETAILS	SHEET 3 OF 3



SECTION A-A NOT TO SCALE

### <u>NOTES:</u>

CONSTRUCT THE DRIVE APPROACH WITH 8" NON-REINFORCED CONCRETE ON 6" OF 21AA AGGREGATE BASE COURSE COMPACTED IN PLACE (CIP) OR 6" HMA LEVELING ON 9" OF 21AA AGGREGATE BASE COURSE (CIP). CURBS SHALL BE CONSTRUCTED WITH HEIGHT VARYING FROM 6" AT BACK OF CURB TO O" HEIGHT AT FACE OF SIDEWALK OR RIGHT—OF—WAY LINE.

AT ALL CONCRETE DRIVES, PLACE A 1" EXPANSION JOINT AT BACK OF CURB AND 1/2" EXPANSION JOINT AT FACE OF SIDEWALK OR RIGHT-OF-WAY LINE. MAINTAIN NORMAL SIDEWALK GRADE ACROSS DRIVE, 2% SLOPE UP FROM FACE OF SIDEWALK.

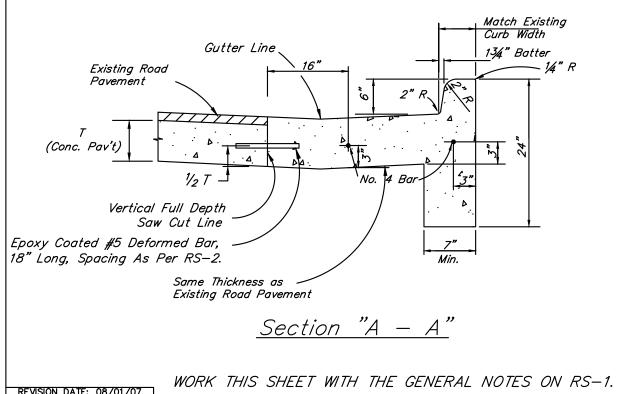
INBOUND OR OUTBOUND RADIUS SHALL BE REDUCED TO 5' FOR ONE-WAY TRAFFIC DRIVE APPROACH. DRIVE APPROACH SHALL NOT ENCROACH ACROSS PROPERTY LINE EXTENDED WITHOUT WRITTEN APPROVAL FROM THE ADJOINING PROPERTY OWNER.

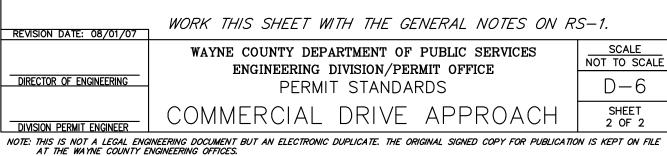
> WORK THIS SHEET WITH THE GENERAL NOTES ON RS-1 AND D & CULLT 2 2

REVISION DATE: 08/01/07	AND $D-6$ SHEET $2-2$ .	
	WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES ENGINEERING DIVISION/PERMIT OFFICE	SCALE NOT TO SCALE
DIRECTOR OF ENGINEERING	PERMIT STANDARDS	D-6
Division permit engineer	COMMERCIAL DRIVE APPROACH	SHEET 1 OF 2

CURB RETURN JOINING EXISTING PAVEMENT 1" Expansion Joint - Gutter Line Saw Cut Line 1" Expansion See Curb Joint Detail "B" on Conc. Curb Curb Drop Sheet D-7 ∽ Existing Curb Proposed Drive Pavement

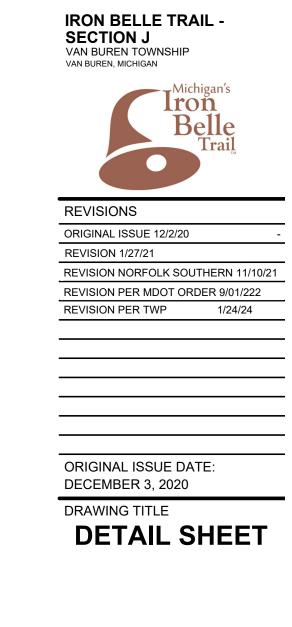
\* 4' for HMA Drive Pavement. No Expansion Joint Required.





PEA JOB NO.	2020-0095
P.M.	JTS
DN.	JMR
DES.	JMR
DRAWING NUMBER:	:

NOT FOR CONSTRUCTION C-5.1



CLIENT

46425 TYLER ROAD VAN BUREN, MICHIGAN

PROJECT TITLE

VAN BUREN TOWNSHIP

**VAN BUREN** 

CHARTER TOWNSHIP

