

CONSTRUCTION PLANS

IRON BELLE TRAIL SECTION K

VAN BUREN TOWNSHIP
WAYNE COUNTY, MICHIGAN



PERMIT / APPROVAL SUMMARY		
DATE SUBMITTED	DATE APPROVED	PERMIT / APPROVAL

WAYNE COUNTY DPS GENERAL NOTES:

- ALL WORK WITHIN THE WAYNE COUNTY ROAD RIGHT-OF-WAY (ROW) AND DRAIN EASEMENT SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARDS AND GENERAL SPECIFICATIONS, INCLUDING SOIL EROSION AND SEDIMENTATION CONTROL OF THE WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES, AND MDOT 2012 SPECIFICATIONS FOR CONSTRUCTION.
- THESE PLANS ARE NOT VALID WITHOUT ATTACHMENT OF THE WAYNE COUNTY PERMIT SPECIFICATIONS FOR CONSTRUCTION WITHIN THE ROAD ROW, PARKS, DRAIN EASEMENT OR SANITARY SEWER UNDER JURISDICTION OF THE WAYNE COUNTY (070193) REVISED 12/15/2004
- CONTRACTOR SHALL CONTACT **MISS DIG AT 811** TO IDENTIFY AND FLAG / MARK THE LOCATIONS OF ALL UNDERGROUND UTILITIES AT THE PROPOSED CONSTRUCTION AREAS PRIOR TO START OF CONSTRUCTION, AND SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS AND ELEVATIONS OF ALL UNDERGROUND UTILITIES, AND RESOLVE ANY CONFLICT BETWEEN THE PROPOSED WORK AND THE EXISTING UNDERGROUND OR ABOVEGROUND UTILITIES.
- CONTRACTOR SHALL MAINTAIN 18" MINIMUM VERTICAL CLEARANCE AND 3 FEET MINIMUM HORIZONTAL CLEARANCE BETWEEN THE PROPOSED AND EXISTING UTILITIES. ANY PROPOSED UTILITY PERMITTED TO CROSS UNDER THE ROAD OR DRAIN, MUST BE PLACED A MINIMUM OF 7 FEET BELOW THE LOWEST POINT OF THE ROAD, OR 6 FEET BELOW THE DRAIN BOTTOM. OVERHEAD WIRES/CABLES MUST BE INSTALLED 18 FEET MINIMUM ABOVE THE ROAD CENTERLINE. TO RELOCATE ANY UTILITY WITHIN THE ROAD ROW, THE CONTRACTOR SHALL COORDINATE THE RELOCATION WITH THE UTILITY COMPANY AND AS DIRECTED BY THE WAYNE COUNTY ENGINEER.
- ALL SURVEY MONUMENTS / CORNERS AND BENCH MARKS LOCATED WITHIN THE CONSTRUCTION AREA MUST BE PRESERVED IN ACCORDANCE WITH PUBLIC ACT 74 AS AMENDED (INCLUDING ACT 34, P.A. 2000) AND AS PER WAYNE COUNTY PERMIT RULE 1.5. THE PERMIT HOLDER AND CONTRACTOR SHALL COORDINATE THE WORK WITH A PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF MICHIGAN DURING CONSTRUCTION ACTIVITIES FOR THE PURPOSE OF WITNESSING, PRESERVING OR REPLACING SURVEY MONUMENTS AND MONUMENT BOXES.
- EXPOSURE OF ANY UTILITIES UNDER THE PAVEMENT WILL NOT BE PERMITTED, UNLESS APPROVED BY THE WAYNE COUNTY ENGINEER. PAVEMENT REMOVAL AND REPLACEMENT SHALL BE PERFORMED PER APPLICABLE WAYNE COUNTY STANDARD DETAILS AS AS DIRECTED BY THE WAYNE COUNTY ENGINEER.
- CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS WITHIN THE WAYNE COUNTY ROAD ROW AND DRAIN EASEMENT WITH 3" TOPSOIL, THM SEED MIX AND MULCH. SLOPES STEEPER THAN 1 ON 3 SHALL BE RESTORED BY PLACING SOD ON 2" TOPSOIL.
- ALL BACKFILLS UNDER OR WITHIN 3 FEET OF THE PROPOSED OR EXISTING PAVEMENT, CURB OR SIDEWALK SHALL CONFORM TO THE WAYNE COUNTY TRENCH "B" BACKFILL REQUIREMENTS. TRENCH "A" BACKFILL MAY BE USED WITHIN THE ROAD ROW AREAS UNDER CONDITIONS OTHER THAN THOSE SPECIFIED FOR TRENCH "B".
- 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.
- 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.
- MAINTAIN A SAFE AND ADEQUATE TRAVEL ROUTE FOR PEDESTRIANS AT ALL TIMES THROUGHOUT THE PROJECT DURATION.
- 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.
- REMOVE ALL ABANDONED CONDUITS FROM THE COUNTY ROADS ROW OR AS DIRECTED BY THE WAYNE COUNTY ENGINEER.
- CONTRACTOR SHALL PROVIDE COLD WEATHER PROTECTION FOR ALL PROPOSED CONCRETE WORK (PAVEMENTS, SIDEWALKS, DRIVE APPROACHES, ETC.) AS DIRECTED BY THE WAYNE COUNTY ENGINEER.
- OVERNIGHT VEHICLE PARKING AND STORAGE OF CONSTRUCTION MATERIALS AND EQUIPMENTS ARE NOT PERMITTED WITHIN THE WAYNE COUNTY ROADS RIGHTS-OF-WAY.
- CONTRACTOR SHOULD OBTAIN SOIL EROSION AND SEDIMENTATION CONTROL PERMIT FROM THE WAYNE COUNTY DPS. CONTACT THE WAYNE COUNTY SOIL EROSION OFFICE AT (734) 326-3936, OR THE COMMUNITY HAVING JURISDICTION OVER THE SOIL EROSION PERMIT.
- CONTRACTOR SHALL NOTIFY THE WAYNE COUNTY TRAFFIC SIGNAL SHOP AT (734) 955-2161 AT LEAST 72 HOURS PRIOR TO START OF WORK AT OR NEAR ANY SIGNALIZED INTERSECTIONS.
- CONTRACTOR SHALL NOTIFY WAYNE COUNTY 72 HOURS PRIOR TO START OF CONSTRUCTION. CONTACT THE PERMIT OFFICE AT (734) 858-2761.

WAYNE COUNTY NOTE:

- WAYNE COUNTY R 23--0084 REVIEW NUMBER.

DESIGN TEAM

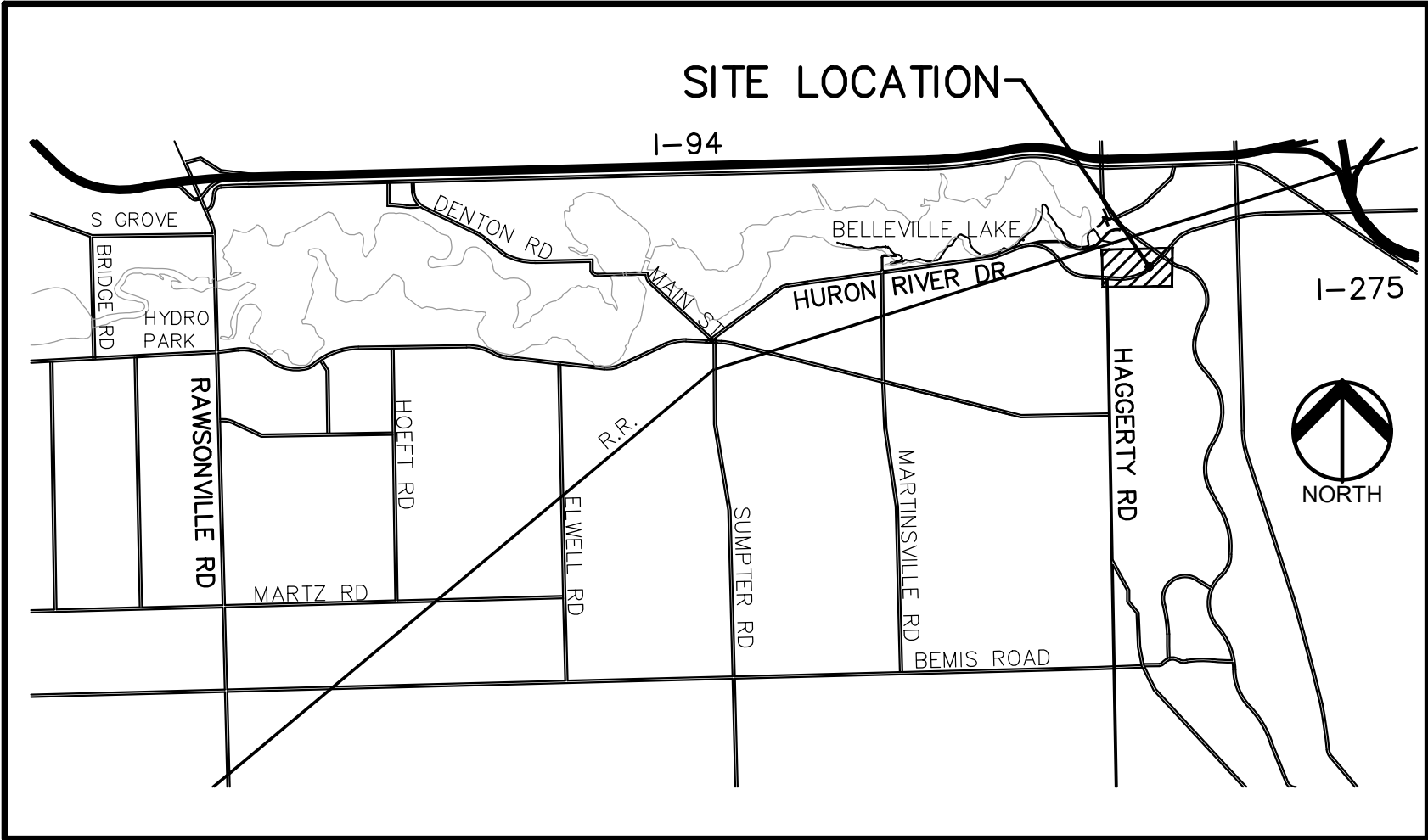
OWNER/APPLICANT/DEVELOPER CIVIL ENGINEER

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VAN BUREN TWP, MI 48111
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LOCATION MAP
NO SCALE

Sheet List Table	
Sheet Number	Sheet Title
C-0.0	COVER SHEET
C-1.1	OVERALL SHEET
C-2.1	TOPOGRAPHICAL SURVEY AND DEMOLITION PLAN
C-2.2	TOPOGRAPHICAL SURVEY AND DEMOLITION PLAN
C-2.3	TOPOGRAPHICAL SURVEY AND DEMOLITION PLAN
C-2.4	TOPOGRAPHICAL SURVEY AND DEMOLITION PLAN
C-3.1	DIMENSIONAL PAVING PLAN
C-3.2	DIMENSIONAL PAVING PLAN
C-3.3	DIMENSIONAL PAVING PLAN
C-3.4	DIMENSIONAL PAVING PLAN
C-4.1	GRADING PLAN
C-4.2	GRADING PLAN
C-4.3	GRADING PLAN
C-4.4	GRADING PLAN
C-5.1	DETAIL SHEET
C-5.2	DETAIL SHEET

PROJECT DESCRIPTION:

THIS PROJECT IS PART OF THE IRON BELLE TRAIL PROJECT. IT CONSISTS OF CONSTRUCTING APPROXIMATELY 10,984 SFT (.25 AC) OF SIDEWALK ALONG EAST HURON RIVER DRIVE AND 1000 SFT OF ASPHALT PATH ALONG METROPOLITAN PARKWAY. MODIFICATIONS TO THE TRAFFIC SIGNAL AT THE INTERSECTION ARE INCLUDED WITH THIS PROJECT. THIS PROJECT WILL CONNECT INTO SECTION J (PREVIOUSLY APPROVED) WHEN THE TRAFFIC LIGHT AT EAST HURON RIVER DRIVE AND HAGGERTY ROAD IS INSTALLED AT A FUTURE DATE.

PEA
GROUP

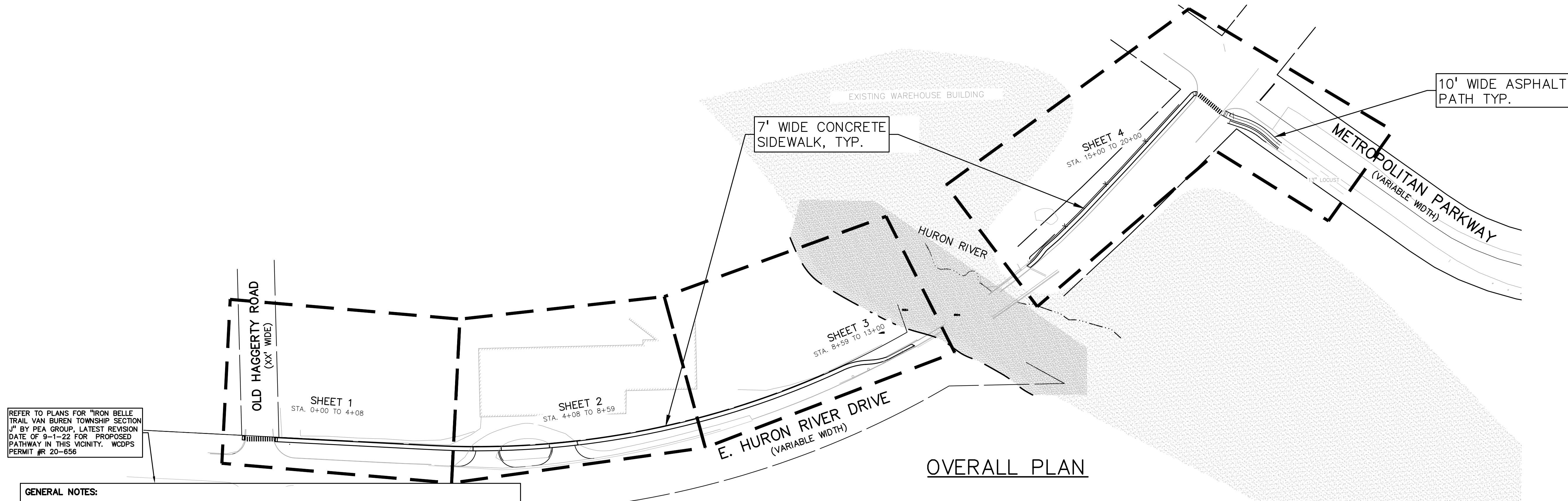
REVISIONS	
DESCRIPTION	DATE
ORIGINAL ISSUE DATE	12/12/2022
REVISIONS PER TOWNSHIP	8/8/2023
REVISIONS PER WAYNE COUNTY REVIEW	8/24/2023



NOT FOR CONSTRUCTION

0 10 20 40
SCALE: 1" = 20'

CAUTION!!
THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY REPRESENTATIVE. NO GUARANTEE OR OTHER 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.



OVERALL PLAN

GENERAL NOTES:

THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT.

- ALL CONSTRUCTION, WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT OSHA, WAYNE COUNTY AND MUNICIPALITY STANDARDS AND REGULATIONS.
- THE CONTRACTOR SHALL NOTIFY THE TOWNSHIP ENGINEER AND/OR THE AUTHORITY HAVING JURISDICTION 3 BUSINESS DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- THE CONTRACTOR SHALL 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 HIS OWN RISK.
- ALL NECESSARY PERMITS, TESTING, BONDS AND INSURANCES ETC., SHALL BE PAID FOR BY THE CONTRACTOR. THE OWNER SHALL PAY FOR ALL TOWNSHIP INSPECTION FEES.
- THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE 811/ONE CALL UTILITY LOCATING CENTER, THE CITY ENGINEER AND/OR THE AUTHORITY HAVING JURISDICTION 3 BUSINESS DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION. IF NO NOTIFICATION IS GIVEN AND DAMAGE RESULTS, SAID DAMAGE WILL BE REPAIRED AT SOLE EXPENSE OF THE CONTRACTOR. IF EXISTING UTILITY LINES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER SO THAT THE CONFLICT MAY BE RESOLVED.
- CONTRACTOR SHALL VERIFY THAT THE PLANS AND SPECIFICATIONS ARE THE VERY LATEST PLANS AND SPECIFICATIONS AND FURTHERMORE, VERIFY THAT THESE PLANS AND SPECIFICATIONS HAVE BEEN APPROVED. ALL ITEMS CONSTRUCTED BY THE CONTRACTOR PRIOR TO RECEIVING FINAL APPROVAL, HAVING TO BE ADJUSTED OR RE-DONE, SHALL BE AT THE CONTRACTORS EXPENSE. SHOULD THE CONTRACTOR ENCOUNTER A CONFLICT BETWEEN THESE PLANS AND/OR SPECIFICATIONS, THEY SHALL SEEK CLARIFICATION IN WRITING FROM THE ENGINEER BEFORE COMMENCEMENT OF CONSTRUCTION. FAILURE TO DO SO SHALL BE AT SOLE EXPENSE TO THE CONTRACTOR.
- 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 NOT BEGIN UNTIL ALL NECESSARY PERMITS HAVE BEEN ISSUED FOR THE WORK.
- ALL PROPERTIES OR FACILITIES IN THE SURROUNDING AREAS, PUBLIC OR PRIVATE, DESTROYED OR OTHERWISE DISTURBED DUE TO CONSTRUCTION, SHALL BE REPLACED AND/OR RESTORED TO THE ORIGINAL CONDITION BY THE CONTRACTOR.
- 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 REGULATIONS DURING THE CONSTRUCTION PERIOD.
- THE USE OF CRUSHED CONCRETE IS PROHIBITED ON THE PROJECT WITHIN 100 FEET OF ANY WATER COURSE (STREAM, RIVER, COUNTY DRAIN, ETC.) AND LAKE, REGARDLESS OF THE APPLICATION OR LOCATION OF THE WATER COURSE OR LAKE RELATIVE TO THE PROJECT LIMITS.
- 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.

GENERAL GRADING AND EARTHWORK NOTES:

THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT

- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING TREES AND BRUSH AND REMOVE ALL THAT ARE NECESSARY TO GRADE SITE.
- ALL GRADES ARE TO TOP OF PAVEMENT UNLESS OTHERWISE NOTED.
- 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.
- 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 THE COUNTY PRIOR TO CONSTRUCTION.
- ALL EARTHWORK AND GRADING OPERATIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE SOILS INVESTIGATION AND REPORT.
- REFER TO SOIL EROSION CONTROL PLAN FOR ADDITIONAL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND NOTES.
- THE DETENTION BASIN SIDE SLOPES AND ALL SLOPE EXCEEDING 1:6 MUST BE STABILIZED BY SODDING OR BY PLACING A MULCH BLANKET PEGGED IN PLACE OVER SEED.
- ALL DISTURBED AREAS SHALL BE SEEDDED AND MULCHED OR SODDED IN ACCORDANCE WITH THE LANDSCAPE PLANS. PROVIDE A MINIMUM OF 3" OF TOPSOIL IN THESE AREAS UNLESS OTHERWISE NOTED.
- 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.
- 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.
- THE FINAL SUBGRADE/EXISTING AGGREGATE BASE SHOULD BE THOROUGHLY PROOFROLLED USING A FULLY LOADED TANDUM 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 GEORIGIDS OR REMOVED AND REPLACED WITH ENGINEERED FILL OR AS DICTATED BY FIELD CONDITIONS.
- 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.
- 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.
- ANY SUB-GRADE WATERING REQUIRED TO ACHIEVE REQUIRED DENSITY SHALL BE CONSIDERED INCIDENTAL TO THE JOB.

GENERAL UTILITY NOTES:

- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE TOWNSHIP/COUNTY.
- ALL TRENCHES UNDER OR WITHIN THREE (3) FEET OR THE FORTY-FIVE (45) DEGREE ZONE OF INFLUENCE LINE OF EXISTING AND/OR PROPOSED PAVEMENT, BUILDING PAD OR DRIVE APPROACH SHALL BE BACKFILLED WITH SAND COMPACTED TO AT LEAST NINETY-FIVE (95) PERCENT OF MAXIMUM UNIT WEIGHT (ASTM D-1557). ALL OTHER TRENCHES TO BE COMPACTED TO 90% OR BETTER.
- WHERE EXISTING MANHOLES OR SEWER PIPE ARE TO BE TAPPED, DRILL HOLES 4" CENTER TO CENTER, AROUND PERIPHERY OF OPENING TO CREATE A PLANE OF WEAKNESS JOINT BEFORE BREAKING SECTION OUT.
- THE LOCATIONS AND DIMENSIONS SHOWN ON THE PLANS FOR EXISTING UTILITIES ARE IN ACCORDANCE WITH AVAILABLE INFORMATION WITHOUT UNCOVERING AND MEASURING. THE DESIGN ENGINEER DOES NOT GUARANTEE THE ACCURACY OF THIS INFORMATION OR THAT ALL EXISTING UNDERGROUND FACILITIES ARE SHOWN. CONTRACTOR SHALL FIELD VERIFY UTILITIES.
- THE CONTRACTOR SHALL COORDINATE TO ENSURE ALL REQUIRED PIPES, CONDUITS, CABLES AND SLEEVES ARE PROPERLY PLACED FOR THE INSTALLATION OF GAS, ELECTRIC, PHONE, CABLE, IRRIGATION, ETC. IN SUCH A MANNER THAT WILL FACILITATE THEIR PROPER INSTALLATION PRIOR TO THE PLACEMENT OF THE PROPOSED PAVEMENT AND LANDSCAPING.
- PIPE LENGTHS INDICATED ARE FROM CENTER OF STRUCTURE AND TO END OF FLARED END SECTION UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL INSPECT ALL EXISTING PUBLIC STORM SEWER, SANITARY SEWER AND WATER MAIN STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION AND WITH THE GOVERNING AGENCY INSPECTOR PRIOR TO ESTABLISHING FINAL GRADE. NOTIFY THE ENGINEER, OWNER/DEVELOPER, AND GOVERNING AGENCY IF STRUCTURE IS DEEMED TO BE STRUCTURALLY UNSOUND AND/OR IN NEED OF REPAIR.

STORM SEWER NOTES:

- ALL STORM SEWER 12" DIAMETER OR LARGER SHALL BE REINFORCED CONCRETE PIPE (RCP C-76) CLASS IV WITH MODIFIED TONGUE AND GROOVE JOINT WITH RUBBER GASKETS UNLESS SPECIFIED OTHERWISE (ASTM C-443).

PAVING NOTES:

- IN AREAS WHERE NEW PAVEMENTS ARE BEING CONSTRUCTED, THE TOPSOIL AND SOIL CONTAINING ORGANIC MATTER SHALL BE REMOVED PRIOR TO PAVEMENT CONSTRUCTION.
- CONSTRUCTION TRAFFIC SHOULD BE MINIMIZED ON THE NEW PAVEMENT. IF CONSTRUCTION TRAFFIC IS ANTICIPATED ON THE PAVEMENT STRUCTURE, THE INITIAL LIFT THICKNESS COULD BE INCREASED AND PLACEMENT OF THE FINAL LIFT COULD BE DELAYED UNTIL THE MAJORITY OF THE CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED, THIS ACTION WILL ALLOW REPAIR OF LOCALIZED FAILURE, IF ANY DOES OCCUR, AS WELL AS REDUCE LOAD DAMAGE ON THE PAVEMENT SYSTEM.
- ALL EXPANSION JOINTS AND CONCRETE PAVEMENT JOINTS TO BE SEALED.
- CONCRETE PAVEMENT JOINTING - UNLESS SHOWN OTHERWISE IN THE PLANS OR REQUIRED BY THE AUTHORITY HAVING JURISDICTION;
 - WHERE PROPOSED CONCRETE ABUTS A STRUCTURE, PROVIDE A MINIMUM 1/2" EXPANSION JOINT. THE JOINT FILLER BOARD MUST BE AT LEAST THE FULL DEPTH OF THE CONCRETE AND HELD DOWN A 1/2" TO ALLOW FOR SEALING.
 - WHERE PROPOSED CONCRETE ABUTS EXISTING CONCRETE OR IN BETWEEN POURS OF PROPOSED CONCRETE (CONSTRUCTION JOINT), PROVIDE 5/8" DOWELS EVERY 30" CENTER TO CENTER HALF WAY ALONG THE THICKNESS OF THE PROPOSED PAVEMENT. ALTERNATE DOWELS SIZES AND SPACING MUST BE APPROVED THE ENGINEER PRIOR TO COMMENCING WORK AND VIA THE SUBMITTAL PROCESS.
 - WHERE PROPOSED CONCRETE ABUTS EXISTING OR PROPOSED SIDEWALK OR CURBING, PROVIDE A MINIMUM 1/2" EXPANSION JOINT.
 - CONTROL, LONGITUDINAL AND/OR TRANSVERSE JOINTS SHALL BE PLACED TO PROVIDE PANELS WITHIN THE PAVEMENT AS SQUARE AS POSSIBLE WITH THE FOLLOWING MAXIMUM SPACING PARAMETERS:
 - 6-INCH THICK CONCRETE PAVEMENT: 12' X 12'
 - 8-INCH THICK CONCRETE PAVEMENT: 15' X 15'
 - IRREGULAR-SHAPED PANELS MAY REQUIRE THE USE OF REINFORCING MESH OR FIBER MESH AS DETERMINED BY THE ENGINEER. THE USE OF MESH MUST BE APPROVED THE ENGINEER PRIOR TO COMMENCING WORK AND VIA THE SUBMITTAL PROCESS.
 - IF A JOINT PLAN IS NOT PROVIDED IN THE PLANS, THE CONTRACTOR SHALL SUBMIT ONE TO THE ENGINEER FOR REVIEW PRIOR TO COMMENCING WORK AND VIA THE SUBMITTAL PROCESS.
- CONCRETE CURBING JOINTING - UNLESS SHOWN OTHERWISE IN THE PLANS OR REQUIRED BY THE AUTHORITY HAVING JURISDICTION
 - JOINTS WHEN ADJACENT TO ASPHALT PAVEMENT
 - PLACE CONTRACTION JOINTS AT 10' INTERVALS
 - PLACE 1/2" EXPANSION JOINT AT CATCH BASINS, EXISTING AND PROPOSED SIDEWALK OR EXISTING CURBING.
 - PLACE 1" EXPANSION JOINT:
 - AT SPRING POINTS OF INTERSECTIONS OR ONE OF THE END OF RADIUS LOCATIONS IN A CURVE
 - AT 400' MAXIMUM INTERVALS ON STRAIGHT RUNS
 - AT THE END OF RADIUS AT OPPOSITE ENDS IN A CURBED LANDSCAPE ISLAND
 - JOINTS WHEN TIED TO CONCRETE PAVEMENT
 - PLACE CONTRACTION JOINTS OPPOSITE ALL TRANSVERSE CONTRACTION JOINTS IN PAVEMENT
 - PLACE 1/2" EXPANSION JOINT AT CATCH BASINS, EXISTING AND PROPOSED SIDEWALK OR EXISTING CURBING.
 - PLACE 1" EXPANSION JOINT OPPOSITE ALL TRANSVERSE EXPANSION JOINTS IN PAVEMENT
 - CURB AND GUTTER AND CONCRETE SHALL BE TIED TOGETHER SIMILAR TO A LONGITUDINAL LANE TIE JOINT (MDOT B1 JOINT)
 - IN BETWEEN POURS OF PROPOSED CONCRETE CURBING (CONSTRUCTION JOINT):
 - CARRY THE REBAR CONTINUOUSLY BETWEEN POURS
 - IF THE REBAR IS NOT LONG ENOUGH TO CARRY CONTINUOUSLY, THEN THE TWO PIECES OF REBAR PER THE LATEST MDOT SPECIFICATIONS
- CONCRETE SIDEWALK JOINTING - UNLESS SHOWN OTHERWISE IN THE PLANS OR REQUIRED BY THE AUTHORITY HAVING JURISDICTION
 - PLACE TRANSVERSE CONTRACTION JOINTS EQUAL TO THE WIDTH OF THE WALK WHEN WIDTH IS LESS THAN 8'
 - PLACE TRANSVERSE AND LONGITUDINAL CONTRACTION JOINTS EQUAL TO 1/2 THE WIDTH OF THE WALK WHEN WIDTH IS EQUAL TO OR GREATER THAN 8'
 - PLACE 1" EXPANSION JOINT WHERE ABUTTING SIDEWALK RAMP AND/OR RADIUS IN INTERSECTION
 - PLACE TRANSVERSE 1/2" EXPANSION JOINT AT MAXIMUM OF 100' SPACING
 - PLACE 1/2" EXPANSION JOINT WHEN ABUTTING A FIXED STRUCTURE, OTHER PAVEMENT (CONCRETE PAVEMENT AND DRIVE APPROACHES), UTILITY STRUCTURES, LIGHT POLE BASES AND COLUMNS

CONSTRUCTION MATERIAL SUBMITTALS

UNLESS REQUIRED OTHERWISE IN THE PROJECT SPECIFICATIONS, THE CONTRACTOR SHALL ONLY SUBMIT THE FOLLOWING CONSTRUCTION MATERIAL SUBMITTALS, AS APPLICABLE TO THE PLANS, FOR REVIEW BY THE ENGINEER. UNLESS APPROVED IN ADVANCE AND IN WRITING BY THE ENGINEER, ANY MATERIAL SUBMITTALS PROVIDED TO THE ENGINEER FOR REVIEW IN ADDITION TO THIS LIST SHALL BE RETURNED TO THE CONTRACTOR WITHOUT A REVIEW BEING PERFORMED.

- SOIL EROSION AND SEDIMENTATION CONTROL MEASURES
- UTILITY TRENCH BACKFILL MATERIAL WITH ALL MATERIAL DATA INCLUDED IN THE SUBMITTAL BEING DATED WITHIN 60 DAYS OF THE SUBMITTAL UNLESS APPROVED OTHERWISE BY THE ENGINEER
- RIP RAP MATERIAL WITH ALL MATERIAL DATA INCLUDED IN THE SUBMITTAL BEING DATED WITHIN 60 DAYS OF THE SUBMITTAL UNLESS APPROVED OTHERWISE BY THE ENGINEER
- STORM AND SANITARY SEWER PIPING INCLUDING JOINTS
- STORM AND SANITARY SEWER STRUCTURES
- STORM AND SANITARY SEWER STRUCTURE FRAME AND COVERS INCLUDING CLEAN OUTS
- PAVEMENT AGGREGATE BASE MATERIAL WITH ALL MATERIAL DATA INCLUDED IN THE SUBMITTAL BEING DATED WITHIN 60 DAYS OF THE SUBMITTAL UNLESS APPROVED OTHERWISE BY THE ENGINEER
- PAVEMENT UNDERDRAIN MATERIAL AND BACKFILL WITH ALL BACKFILL MATERIAL DATA INCLUDED IN THE SUBMITTAL BEING DATED WITHIN 60 DAYS OF THE SUBMITTAL UNLESS APPROVED OTHERWISE BY THE ENGINEER
- PAVEMENT MIX DESIGNS SUBMITTED FOR REVIEW BY THE ENGINEER MUST FOLLOW THE CURRENT MDOT REVIEW CHECKLISTS AS SUMMARIZED BELOW AND ALL MATERIAL DATA INCLUDED IN THE SUBMITTAL BEING DATED WITHIN 60 DAYS OF THE SUBMITTAL UNLESS APPROVED OTHERWISE BY THE ENGINEER:
 - CONCRETE MIX DESIGN REVIEW CHECKLIST (FORM 2000)
 - SUPERPAVE MIX DESIGN CHECKLIST (FORM 1862)
 - MARSHALL MIX DESIGN CHECKLIST (FORM 1849)
- SITE FENCING AND GATES INCLUDING FOOTINGS
- SITE RAILINGS INCLUDING FOOTING OR EMBEDMENTS
- ANY ITEMS SHOWN IN THE PLANS OR DETAIL SHEETS THAT SPECIFICALLY STATE FOR THE CONTRACTOR TO SUBMIT A SHOP DRAWING TO THE ENGINEER FOR REVIEW. THESE ITEMS INCLUDE, BUT ARE NOT LIMITED TO:

- RETAINING WALL MATERIAL AND STRUCTURAL CALCULATIONS
- TRENCH DRAIN MATERIAL AND SHOP DRAWING DEPICTING THE LAYOUT OF THE SYSTEM
- ANY SPECIALITY ITEMS SHOWN IN THE PLANS OR DETAIL SHEETS THAT SPECIFICALLY DO NOT STATE FOR THE CONTRACTOR SHALL SUBMIT A SHOP DRAWING TO THE ENGINEER FOR REVIEW BUT THE CONTRACTOR REQUESTS TO BE REVIEWED. THE CONTRACTOR'S REQUEST FOR REVIEW MUST BE IN WRITING AND APPROVED BY THE ENGINEER PRIOR TO SUBMITTING THE INFORMATION.

CLIENT

VAN BUREN TOWNSHIP
4625 TYLER ROAD
VAN BUREN, MICHIGAN

PROJECT TITLE

IRON BELLE TRAIL**SECTION K**VAN BUREN TOWNSHIP
VAN BUREN, MICHIGAN

REVISIONS

ORIGINAL ISSUE	12-12-2022
REVISED PER TOWNSHIP	8-8-2023
REVISED PER WC REVIEW	8-24-2023

ORIGINAL ISSUE DATE:
DECEMBER 12, 2022

DRAWING TITLE

**OVERALL
SHEET**

PEA JOB NO. 2022-0652

P.M. JTS

DN. JMR

DES. JMR

DRAWING NUMBER:

C-1.1

NOT FOR CONSTRUCTION

FLOODPLAIN:
(Per Flood Insurance Rate Map Number 26163C0358E. effective February 2, 2012)

BY GRAPHICAL PLOTTING, THE SITE LIES WITHIN:

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD
The 1% annual chance flood (100 year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A - No Base Flood Elevations determined.

OTHER AREAS
ZONE X - Area to be determined outside of the 0.2% annual chance floodplain.

BENCHMARKS
(GPS DERIVED - NAVD88)

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
MAG NAIL IN THE NORTH FACE OF A POWER POLE LOCATED AT THE SOUTH CORNER OF HURON RIVER DR & HAGGERTY RD/METRO PKWY.
ELEV. - 652.80

GENERAL DEMOLITION NOTES:

THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT:

- 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.
- ALL DEMOLITION WORK SHALL CONFORM TO ALL LOCAL CODES AND ORDINANCES.
- STAGING/PHASING OF DEMOLITION AND CONSTRUCTION IS TO BE COORDINATED WITH THE OWNER AND THE CONTRACTOR PRIOR TO CONSTRUCTION.
- 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.
- 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.
- REFER TO SHEET C-5.2 FOR TREE PROTECTION DETAILS.
- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN UP, NOISE, DUST CONTROL, STREET SWEEPING AND HOURS OF OPERATION IN ACCORDANCE WITH THE LOCAL CODES.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BARRICADES, SIGNAGE, MARKINGS, LIGHTS AND OTHER TRAFFIC CONTROL DEVICES TO PROTECT THE WORK ZONE AND SAFELY MAINTAIN TRAFFIC PER AGENCY REQUIREMENTS AND IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANIES TO CONFIRM THAT UTILITY LEADS HAVE BEEN TAKEN OUT OF SERVICE PRIOR TO DEMOLITION.
- ALL BUILDING GAS LEADS, METERS AND ASSOCIATED EQUIPMENT SHALL BE REMOVED AS SHOWN ON THE PLANS. COORDINATE ALL ASSOCIATED WORK WITH THE APPROPRIATE UTILITY COMPANY.
- 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.)
- 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.
- THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE 811/ONE CALL UTILITY LOCATING CENTER, THE CITY ENGINEER AND/OR THE AUTHORITY HAVING JURISDICTION 3 BUSINESS DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- TREES REMOVED WITHIN UNDER PROPOSED WALK ARE TO BE STUMPED.

DEMOLITION LEGEND:

ITEM TO BE PROTECTED

ITEM TO BE REMOVED

FENCE/CURB/GUARD RAIL REMOVAL

AREA OR ITEMS TO BE REMOVED

UTILITY REMOVAL

ASPHALT REMOVAL

TREE REMOVAL

SAWCUT LINE

LEGEND:

- OH-ELEC-W-O- EX. OH. ELEC. POLE & GUY WIRE
UG-CATV- EX. U.G. CABLE TV & PEDESTAL
UG-COMM- EX. U.G. COMMUNICATION LINE, PEDESTAL & MANHOLE
UG-ELEC- EX. U.G. ELEC. MANHOLE, METER & HANDHOLE
EX. GAS LINE
EX. GAS VALVE & GAS LINE MARKER
EX. TRANSFORMER & IRRIGATION VALVE
EX. WATER MAIN
EX. HYDRANT, GATE VALVE & POST INDICATOR VALVE
EX. WATER VALVE BOX & SHUTOFF
EX. SANITARY SEWER
EX. SANITARY CLEANOUT & MANHOLE
EX. COMBINED SEWER MANHOLE
EX. STORM SEWER
EX. CLEANOUT & MANHOLE
EX. SQUARE, ROUND, & BEEHIVE CATCH BASIN
EX. YARD DRAIN & ROOF DRAIN
EX. UNIDENTIFIED STRUCTURE
EX. MAILBOX, SIGN & LIGHTPOLE
EX. FENCE
EX. GUARD RAIL
EX. SPOT ELEVATION
EX. CONTOUR
EX. WETLAND
IRON FOUND / SET
NAIL FOUND / NAIL & CAP SET
BRASS PLUG SET
MONUMENT FOUND / SET
SECTION CORNER FOUND
RECORDED / MEASURED / CALCULATED

REFERENCE DRAWINGS:

WATER MAIN
SANITARY SEWER
STORM SEWER
ELECTRIC
COMMUNICATION
GAS
NO INFORMATION AS OF 11/03/22
WAYNE COUNTY PLAT DATED 4/11/68
AT&T DATED 3/19/20
DTE DATED 4/08/20
COMCAST DATED 3/19/20
DTE GAS EMAIL DATED 10/27/22

PEA GROUP

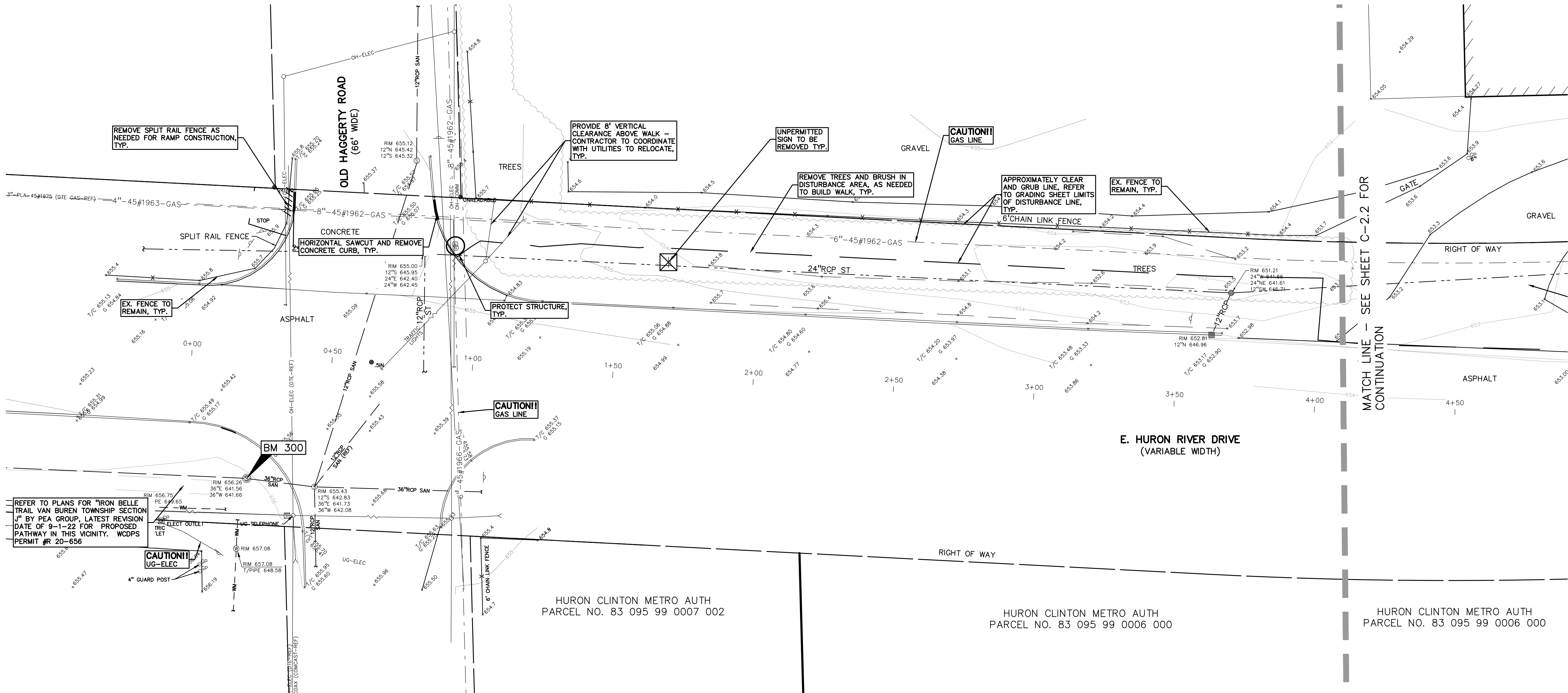
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0 10 20 40
SCALE: 1" = 20'



CAUTION!!
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TRAIL PLAN-E. HURON RIVER DR.

STA 0+000 STA 4+08

CLIENT

VAN BUREN TOWNSHIP
46425 TYLER ROAD
VAN BUREN, MICHIGAN



PROJECT TITLE

**IRON BELLE TRAIL
SECTION K**
VAN BUREN TOWNSHIP
VAN BUREN, MICHIGAN



REVISIONS

ORIGINAL ISSUE	12-12-2022
REVISED PER TOWNSHIP	8-8-2023
REVISED PER WC REVIEW	8-24-2023

ORIGINAL ISSUE DATE:
DECEMBER 12, 2022

DRAWING TITLE

**TOPOGRAPHICAL
SURVEY AND
DEMOLITION
PLAN**

PEA JOB NO. 2022-0652

P.M. JTS

DN. JMR

DES. JMR

DRAWING NUMBER:

C-2.1

NOT FOR CONSTRUCTION

FLOODPLAIN:
(Per Flood Insurance Rate Map Number 26163C0358E. effective February 2, 2012)

BY GRAPHICAL PLOTTING, THE SITE LIES WITHIN:

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD
The 1% annual chance flood (100 year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

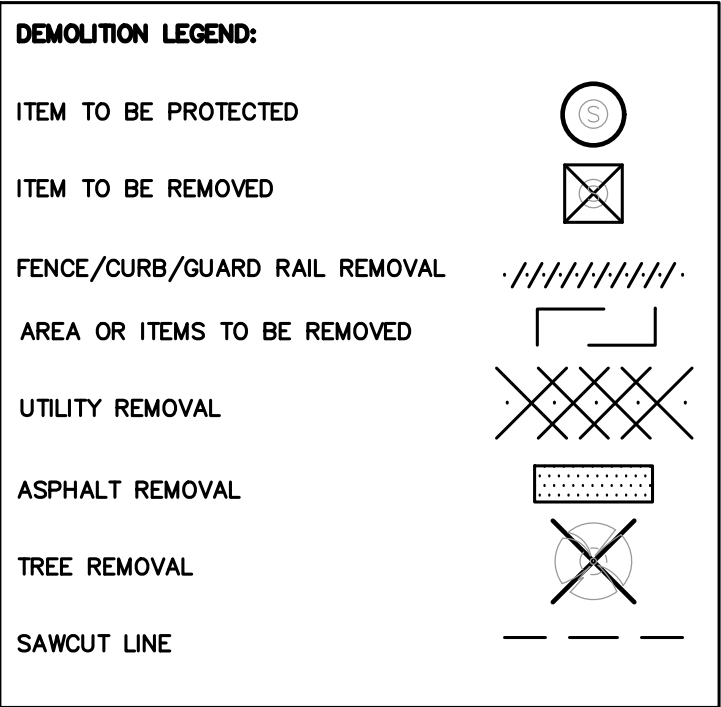
ZONE A – No Base Flood Elevations determined.

OTHER AREAS
ZONE X – Area to be determined outside of the 0.2% annual chance floodplain.

BENCHMARKS
(GPS DERIVED – NAVD88)

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
MAG NAIL IN THE NORTH FACE OF A POWER POLE LOCATED AT THE SOUTH CORNER OF HURON RIVER DR & HAGGERTY RD/METRO PKWY.
ELEV. – 652.80



- LEGEND:**
- OH—ELEC—W—O—< EX. OH, ELEC. POLE & GUY WIRE
- UG—CATV—[] EX. U.G. CABLE TV & PEDESTAL
- UG—COMM—[] EX. U.G. COMMUNICATION LINE, PEDESTAL & MANHOLE
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- EX. GAS LINE
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- ⊞ EX. TRANSFORMER & IRRIGATION VALVE
- EX. WATER MAIN
- ⊕ EX. HYDRANT, GATE VALVE & POST INDICATOR VALVE
- ⊖ EX. WATER VALVE BOX & SHUTOFF
- EX. SANITARY SEWER
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- ⊞ EX. COMBINED SEWER MANHOLE
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- ⊞ EX. BRASS PLUG SET
- ⊗ EX. MONUMENT FOUND / SET
- ⊞ EX. SECTION CORNER FOUND
- R M C EX. RECORDED / MEASURED / CALCULATED

REFERENCE DRAWINGS:

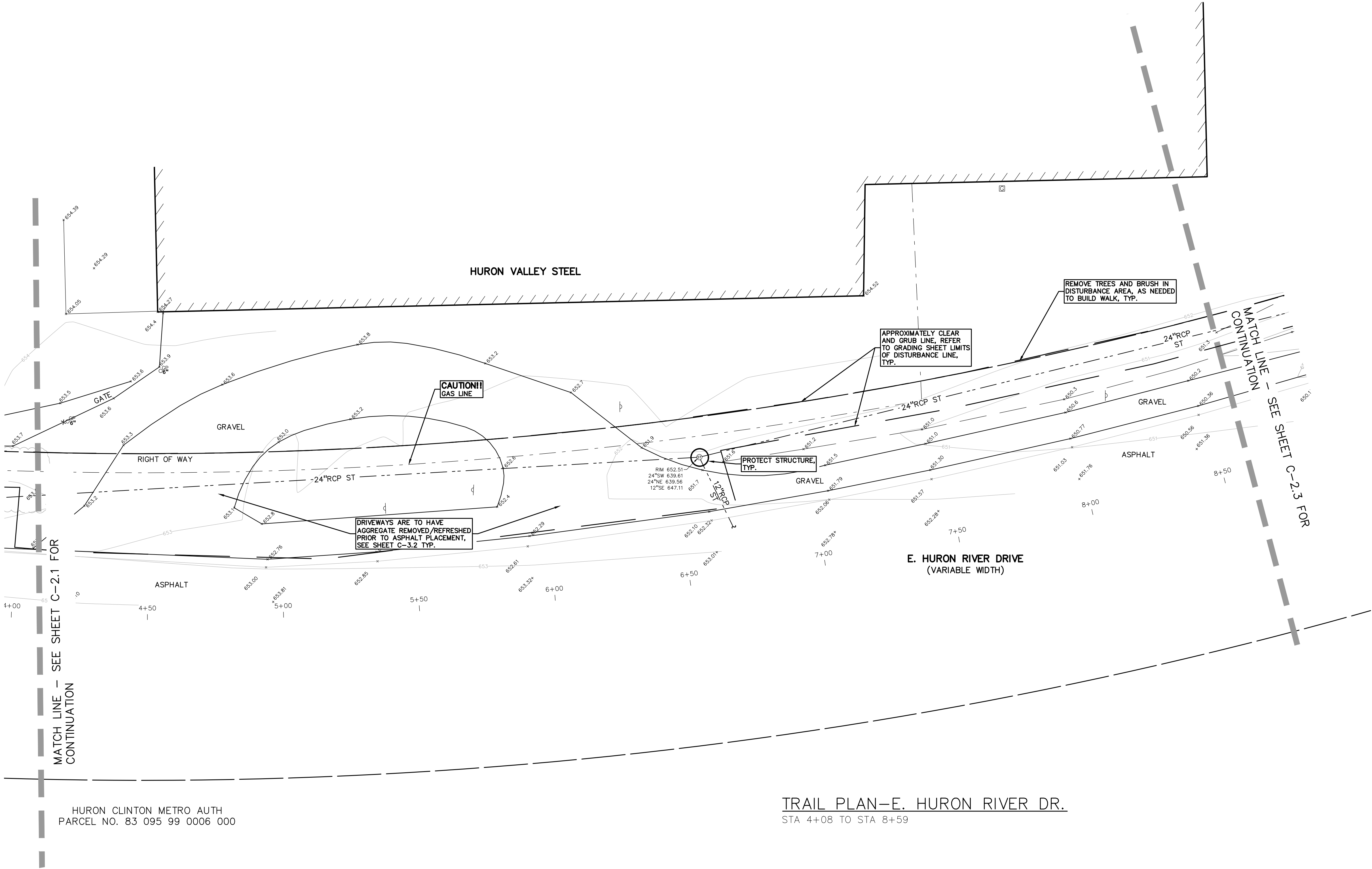
WATER MAIN
SANITARY SEWER
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ELECTRIC
COMMUNICATION
GAS

NO INFORMATION AS OF 11/03/22
WAYNE COUNTY PLAT DATED 4/11/68
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DTE DATED 4/08/20
COMCAST DATED 3/19/20
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CLIENT
VAN BUREN TOWNSHIP
46425 TYLER ROAD
VAN BUREN, MICHIGAN

PROJECT TITLE
IRON BELLE TRAIL SECTION K
VAN BUREN TOWNSHIP
VAN BUREN, MICHIGAN

REVISIONS	
ORIGINAL ISSUE	12-12-2022
REVISED PER TOWNSHIP	8-8-2023
REVISED PER WC REVIEW	8-24-2023

ORIGINAL ISSUE DATE:
DECEMBER 12, 2022

DRAWING TITLE

**TOPOGRAPHICAL
SURVEY AND
DEMOLITION
PLAN**

PEA JOB NO.	2022-0652
P.M.	JTS
DN.	JMR
DES.	JMR

DRAWING NUMBER:



NOT FOR CONSTRUCTION

C-2.2

FLOODPLAIN:
(Per Flood Insurance Rate Map Number 26163C0358E, effective February 2, 2012)

BY GRAPHICAL PLOTTING, THE SITE LIES WITHIN:

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD
The 1% annual chance flood (100 year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.


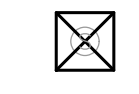
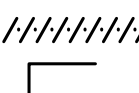
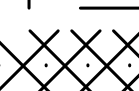
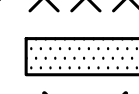

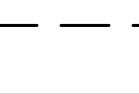

-  **ZONE A** – No Base Flood Elevations determined.
-  **OTHER AREAS**
ZONE X – Area to be determined outside of the 0.2% annual chance floodplain.

BENCHMARKS
(GPS DERIVED – NAVD88)

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FENCE/CURB/GUARD RAIL REMOVAL	
AREA OR ITEMS TO BE REMOVED	
UTILITY REMOVAL	
ASPHALT REMOVAL	
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SAWCUT LINE	


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●	IRON FOUND / SET
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R M C	RECORDED / MEASURED / CALCULATED

REFERENCE DRAWINGS:

WATER MAIN	NO INFORMATION AS OF 11/03/22
SANITARY SEWER	WAYNE COUNTY PLAT DATED 4/11/68
STORM SEWER	AT&T DATED 3/19/20
ELECTRIC	DTE DATED 4/08/20
COMMUNICATION	COMCAST DATED 3/19/20
GAS	DTE GAS EMAIL DATED 10/27/22

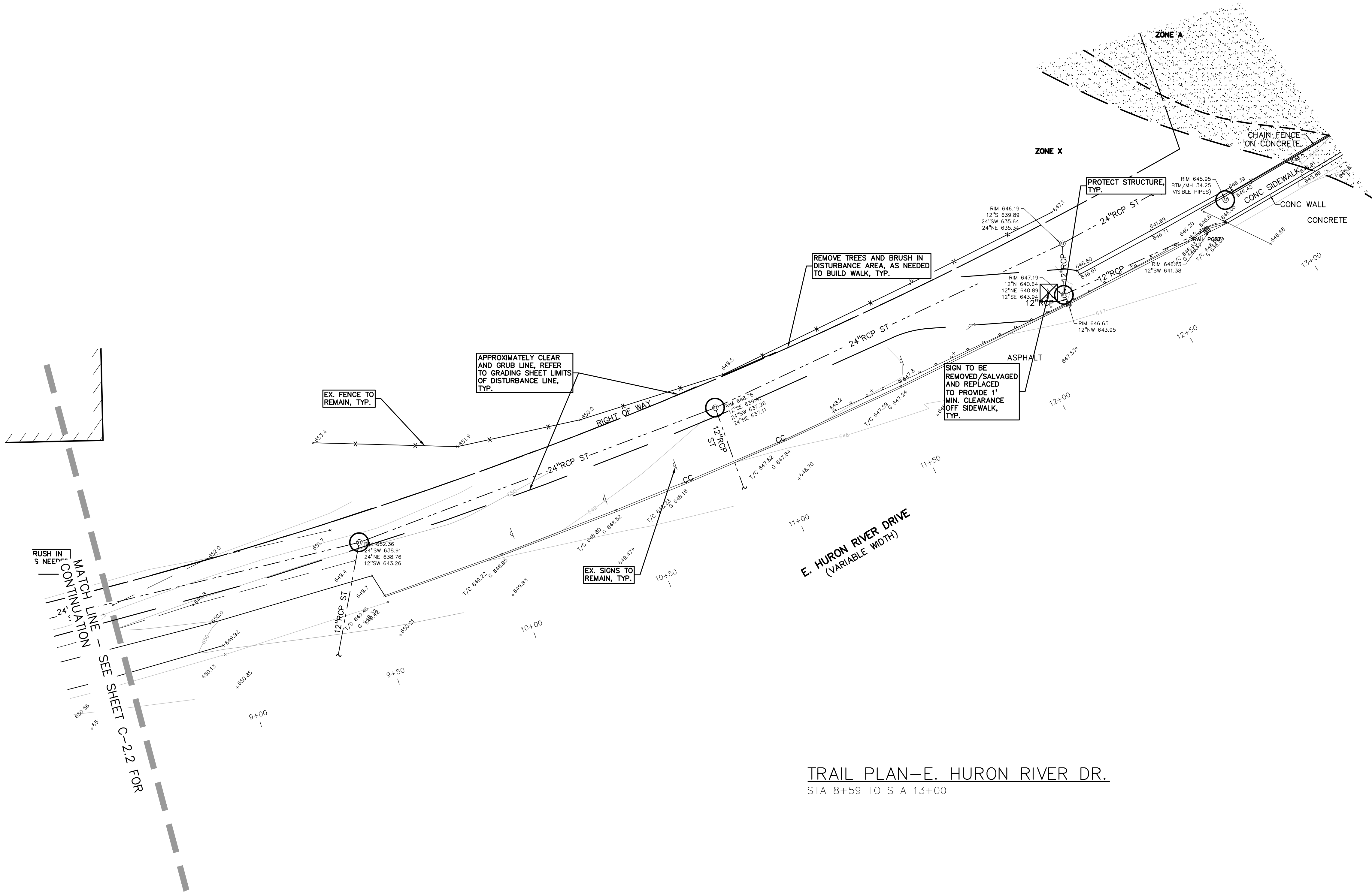
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NORTH

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TRAIL PLAN—E. HURON RIVER DR.
STA 8+59 TO STA 13+00

CLIENT
VAN BUREN TOWNSHIP
46425 TYLER ROAD
VAN BUREN, MICHIGAN


VAN BUREN
CHARTER TOWNSHIP

PROJECT TITLE
IRON BELLE TRAIL
SECTION K
VAN BUREN TOWNSHIP
VAN BUREN, MICHIGAN



REVISIONS	
ORIGINAL ISSUE	12-12-2022
REVISED PER TOWNSHIP	8-8-2023
REVISED PER WC REVIEW	8-24-2023

ORIGINAL ISSUE DATE:
DECEMBER 12, 2022

DRAWING TITLE

**TOPOGRAPHICAL
SURVEY AND
DEMOLITION
PLAN**

PEA JOB NO. 2022-0652

P.M. JTS

DN. JMR

DES. JMR

DRAWING NUMBER:

NOT FOR CONSTRUCTION

C-2.3

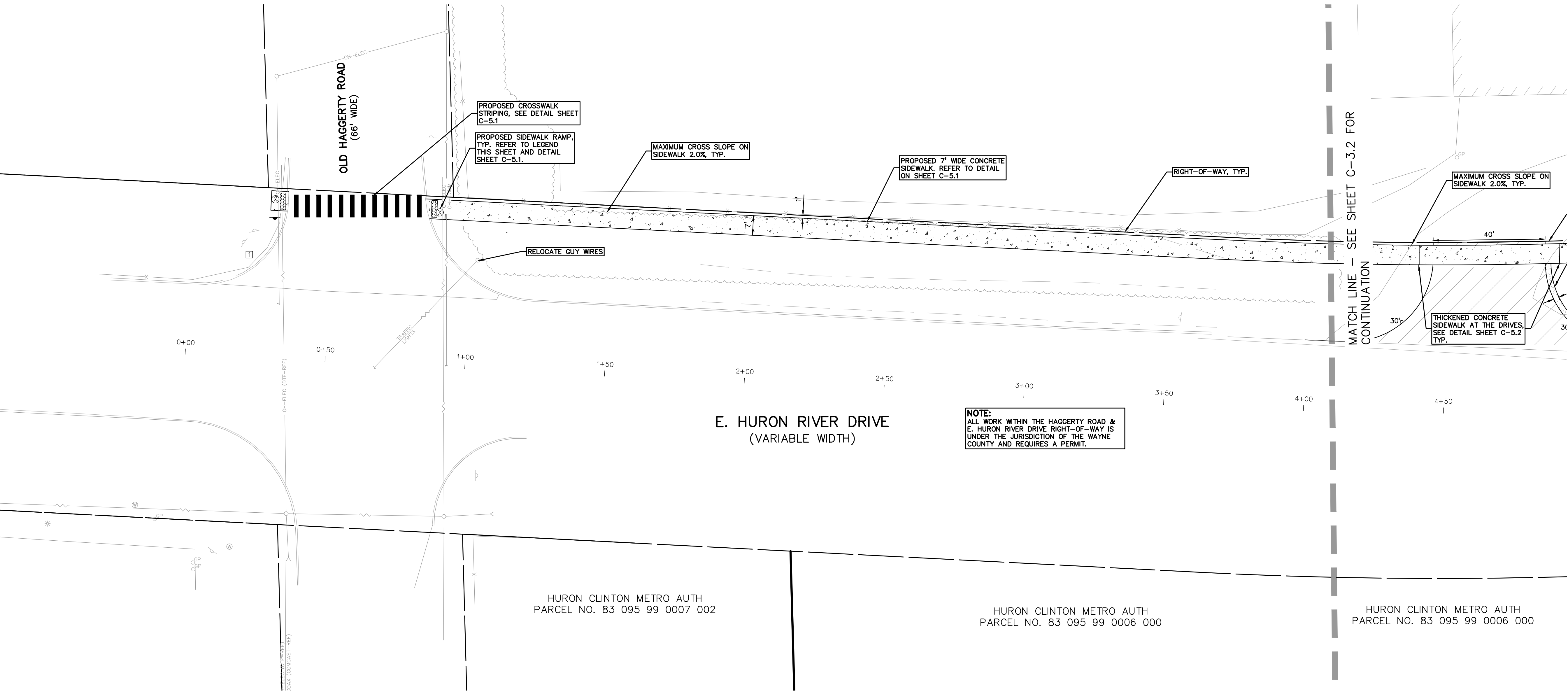
- WAYNE COUNTY CONSTRUCTION NOTES:**
- SAWCUT FULL DEPTH THE EXISTING PAVEMENT TO THE NEAREST JOINT WITHIN WAYNE COUNTY ROAD RIGHT-OF-WAY AND REMOVE THE EXISTING PAVEMENT AND CURBS AS DIRECTED BY WAYNE COUNTY ENGINEER.
 - CONSTRUCT WAYNE COUNTY ROAD PAVEMENT PER WAYNE COUNTY STANDARDS DETAIL "PR-1" OR "PR-2" AS APPLICABLE, OR AS DIRECTED BY THE WAYNE COUNTY ENGINEER.
 - PLACE 9" OF 21AA AGGREGATE COMPACTED TO MINIMUM 95% DENSITY OF MAXIMUM UNIT WEIGHT OR AS DIRECTED BY WAYNE COUNTY ENGINEER.
 - CONSTRUCT WAYNE COUNTY ROAD PAVEMENT REPAIRS WITH MINIMUM OF 2.0" HMA TOP (F) ON MINIMUM 10" NON-REINFORCED CONCRETE WC 35 P MIX (3500 PSI AT 28 DAYS) AND INTEGRAL STRAIGHT CURB TYPE "4" AS PER WAYNE COUNTY STANDARD DETAIL "RS-3" OR AS DIRECTED BY WAYNE COUNTY ENGINEER.
 - TIE THE NEW PAVEMENT TO THE EXISTING PAVEMENT WITH #5 EPOXY COATED BARS AT MAXIMUM 43-INCH ON CENTER LONGITUDINALLY AND AT 18-INCH ON CENTER TRANSVERSELY AS PER WAYNE COUNTY STANDARD DETAIL "RS-2" OR AS DIRECTED BY THE COUNTY ENGINEER.
 - PLACE THE CONSTRUCTION JOINTS OF THE NEW PAVEMENT TO MATCH THE EXISTING PAVEMENT JOINTS OR AS DIRECTED BY THE WAYNE COUNTY ENGINEER.
 - REPLACE ANY DAMAGED CURBS AS A RESULT OF THIS PROJECT ACTIVITY AS PER WAYNE COUNTY STANDARD DETAIL "D-7" OR AS DIRECTED BY THE COUNTY ENGINEER.
 - ANY DAMAGED UNDERDRAIN AS A RESULT OF THIS PROJECT ACTIVITY SHALL BE RECONSTRUCTED AS PER WAYNE COUNTY DETAIL "S-14" OR AS DIRECTED BY THE COUNTY ENGINEER.
 - ANY DAMAGED SIDEWALK AS A RESULT OF THIS PROJECT ACTIVITY SHALL BE RECONSTRUCTED AS PER WAYNE COUNTY DETAIL "RS-5" OR AS DIRECTED BY THE COUNTY ENGINEER.
 - MAINTAIN A MAXIMUM 2% TRANSVERSE SLOPE ON THE SIDEWALK.
 - ANY DAMAGED SIDEWALK RAMPS SHOULD BE REPLACED TO MATCH THE ADA REQUIREMENTS AS PER MDOT STANDARD DETAIL "R-28-I".
 - STRUCTURE ADJUSTMENT SHALL BE DETERMINED AT THE SITE BY WAYNE COUNTY ENGINEER.
 - 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.
 - WAYNE COUNTY ENGINEER WILL DETERMINE THE LOCATION OF ALL SIGNS THAT ARE REMOVED AND RELOCATED AS PART OF THIS PROJECT.
 - REFER TO NOTES & DETAILS SHEET FOR ON-SITE PAVING DETAILS.
 - REFER TO NOTES & DETAILS SHEET FOR ON-SITE SIDEWALK RAMP DETAILS

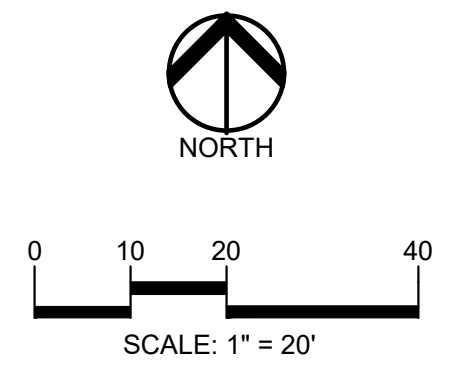
- SIDEWALK RAMP LEGEND:**
- SIDEWALK RAMP 'TYPE R' (R)
SIDEWALK RAMP 'TYPE F' (F)
SIDEWALK RAMP 'TYPE P' (P)
SIDEWALK RAMP 'TYPE C' (C)
SIDEWALK RAMP 'TYPE D' (D)
CURB DROP ONLY (X)
REFER TO LATEST MDOT R-28 STANDARD RAMP AND DETECTABLE WARNING DETAILS

- SIGN LEGEND:**
- REMOVED AND RELOCATED SIGN (1)
REFER TO DETAIL SHEET FOR SIGN DETAILS

- LEGEND:**
- CONCRETE PAVEMENT
ASPHALT PAVEMENT
GRAVEL
WETLAND
CONCRETE CURB AND GUTTER
REVERSE GUTTER PAN
SETBACK LINE
SIGN LIGHTPOLE
GUARD RAIL



TRAIL PLAN-E. HURON RIVER DR.
STA 0+00 TO STA 4+08



CAUTION!!
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CLIENT
VAN BUREN TOWNSHIP
48425 TYLER ROAD
VAN BUREN, MICHIGAN

PROJECT TITLE
IRON BELLE TRAIL
SECTION K
VAN BUREN TOWNSHIP
VAN BUREN, MICHIGAN



REVISIONS	
ORIGINAL ISSUE	12-12-2022
REVISED PER TOWNSHIP	8-8-2023
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DECEMBER 12, 2022
DRAWING TITLE
DIMENSIONAL PAVING PLAN

PEA JOB NO.	2022-0652
P.M.	JTS
DN.	JMR
DES.	JMR
DRAWING NUMBER:	

NOT FOR CONSTRUCTION

C-3.1



CAUTION!!
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CLIENT

VAN BUREN TOWNSHIP
48425 TYLER ROAD
VAN BUREN, MICHIGAN



PROJECT TITLE

**IRON BELLE TRAIL
SECTION K**
VAN BUREN TOWNSHIP
VAN BUREN, MICHIGAN



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DECEMBER 12, 2022

DRAWING TITLE

**DIMENSIONAL
PAVING PLAN**

PEA JOB NO. 2022-0652

P.M. JTS

DN. JMR

DES. JMR

DRAWING NUMBER:

NOT FOR CONSTRUCTION

C-3.2

GENERAL NOTES:

THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT.

1. 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.
2. REFER TO NOTES & DETAILS SHEET FOR ON-SITE PAVING DETAILS.
3. REFER TO NOTES & DETAILS SHEET FOR ON-SITE SIDEWALK RAMP DETAILS

SIDEWALK RAMP LEGEND:

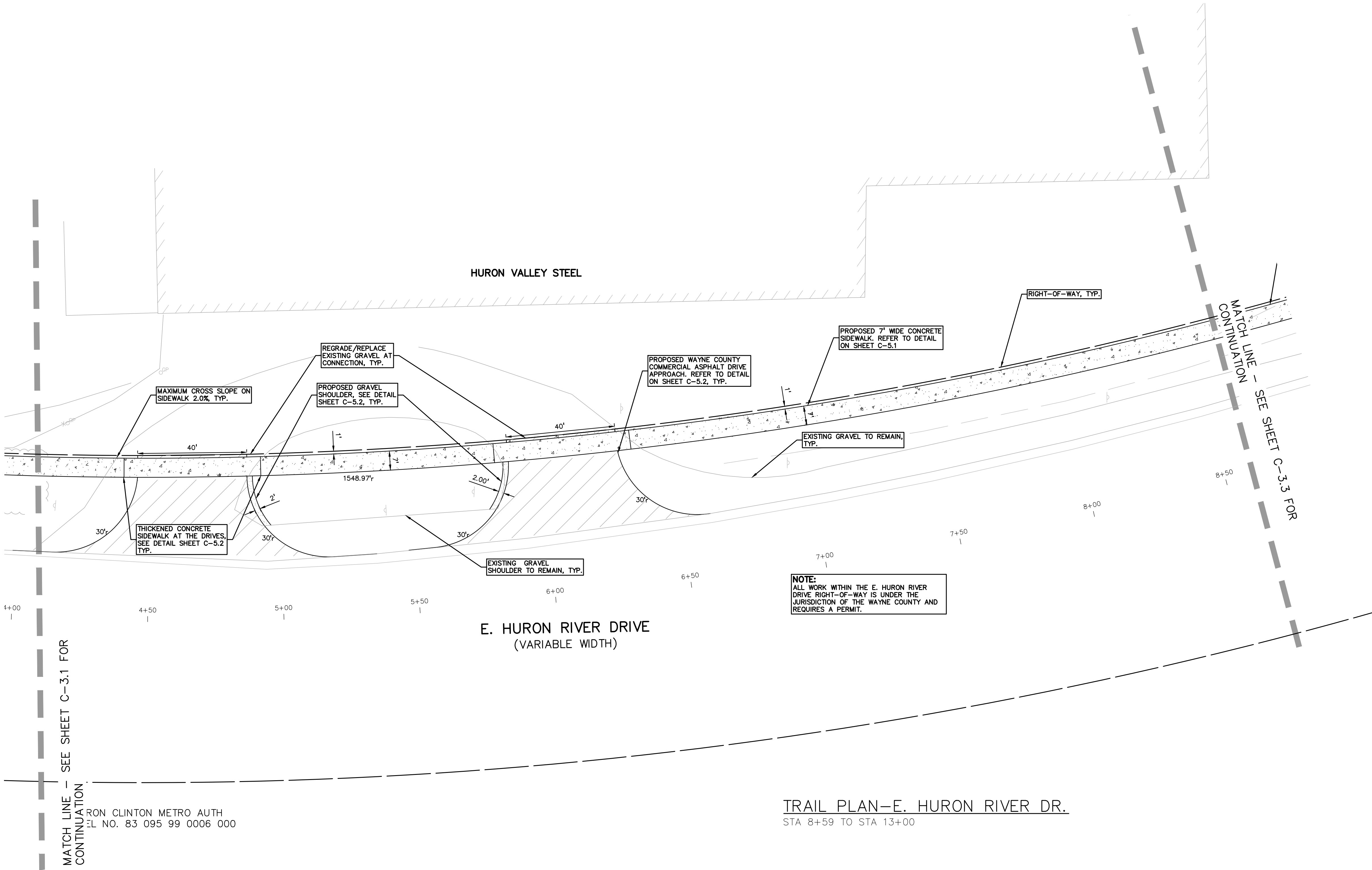
SIDEWALK RAMP 'TYPE R' (R)
SIDEWALK RAMP 'TYPE F' (F)
SIDEWALK RAMP 'TYPE P' (P)
SIDEWALK RAMP 'TYPE C' (C)
SIDEWALK RAMP 'TYPE D' (D)
CURB DROP ONLY (X)
REFER TO LATEST MDOT R-28 STANDARD RAMP AND DETECTABLE WARNING DETAILS

SIGN LEGEND:

REMOVED AND RELOCATED SIGN (1)
REFER TO DETAIL SHEET FOR SIGN DETAILS

LEGEND:

CONCRETE PAVEMENT
STD DUTY HEAVY DUTY R.O.W. ONLY
ASPHALT PAVEMENT
STD DUTY HEAVY DUTY DEEP DUTY STRENGTH
GRAVEL
WETLAND
CONCRETE CURB AND GUTTER
REVERSE GUTTER PAN
SETBACK LINE
SIGN LIGHTPOLE
FENCE
GUARD RAIL



TRAIL PLAN—E. HURON RIVER DR.
STA 8+59 TO STA 13+00

GENERAL NOTES:
THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT.

1. 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.
2. REFER TO NOTES & DETAILS SHEET FOR ON-SITE PAVING DETAILS.
3. REFER TO NOTES & DETAILS SHEET FOR ON-SITE SIDEWALK RAMP DETAILS

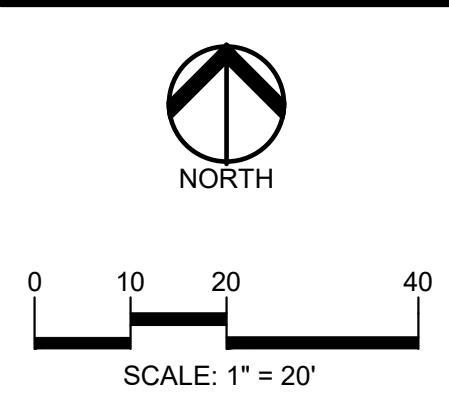
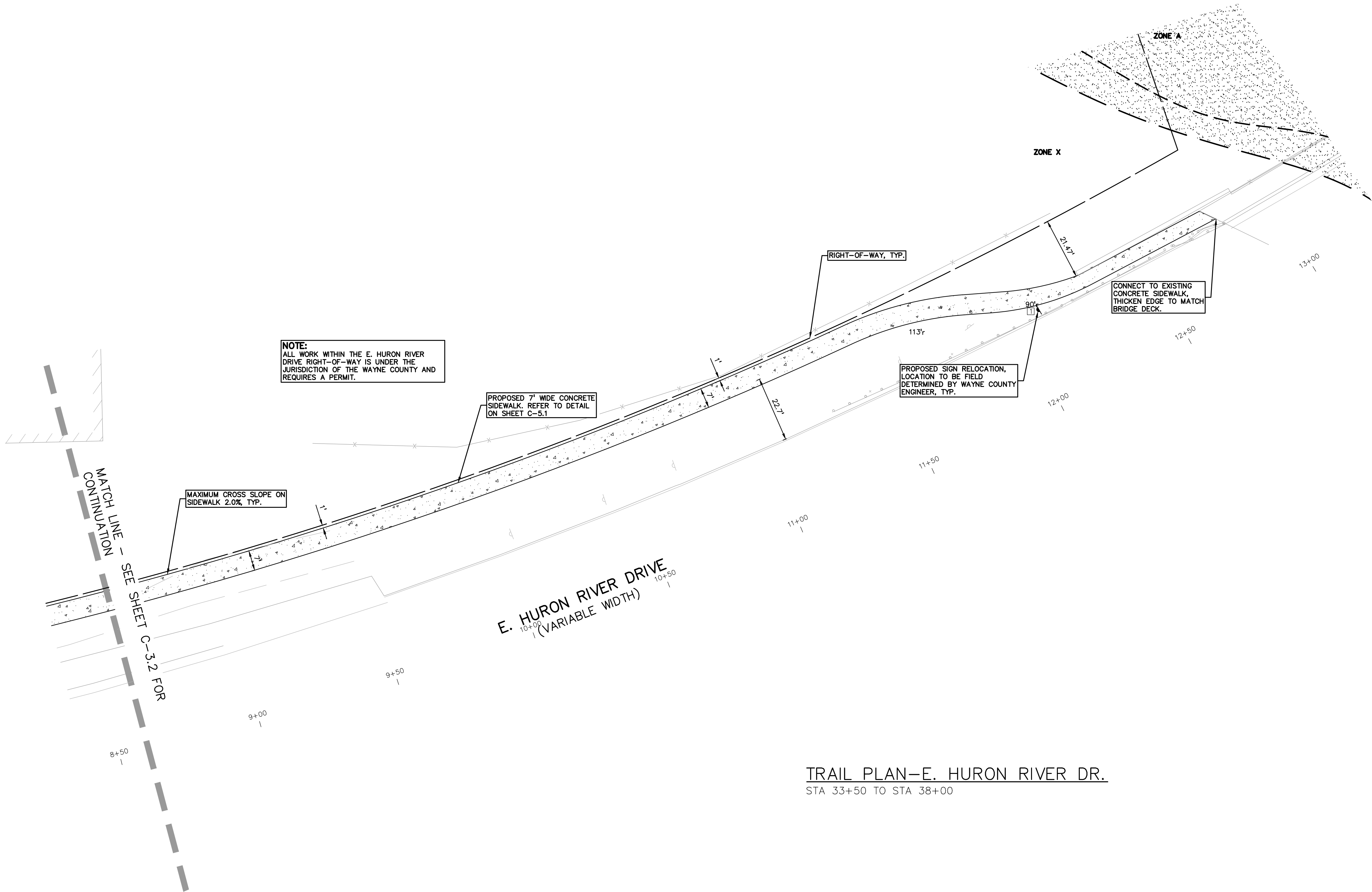
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SIDEWALK RAMP 'TYPE R' (R)
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SIDEWALK RAMP 'TYPE P' (P)
SIDEWALK RAMP 'TYPE C' (C)
SIDEWALK RAMP 'TYPE D' (D)
CURB DROP ONLY (X)
REFER TO LATEST MDOT R-28 STANDARD RAMP AND DETECTABLE WARNING DETAILS

LEGEND:

CONCRETE PAVEMENT
STD DUTY, HEAVY DUTY, R.O.W. ONLY
ASPHALT PAVEMENT
STD DUTY, HEAVY DUTY, DEEP DUTY STRENGTH
GRAVEL
WETLAND
CONCRETE CURB AND GUTTER
REVERSE GUTTER PAN
SETBACK LINE
SIGN
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GUARD RAIL

SIGN LEGEND:
REMOVED AND RELOCATED SIGN (1)
REFER TO DETAIL SHEET FOR SIGN DETAILS



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CLIENT
VAN BUREN TOWNSHIP
48425 TYLER ROAD
VAN BUREN, MICHIGAN

PROJECT TITLE
IRON BELLE TRAIL
SECTION K
VAN BUREN TOWNSHIP
VAN BUREN, MICHIGAN



REVISIONS	
ORIGINAL ISSUE	12-12-2022
REVISED PER TOWNSHIP	8-8-2023
REVISED PER WC REVIEW	8-24-2023

ORIGINAL ISSUE DATE:
DECEMBER 12, 2022

DRAWING TITLE
**DIMENSIONAL
PAVING PLAN**

PEA JOB NO.	2022-0652
P.M.	JTS
DN.	JMR
DES.	JMR

DRAWING NUMBER:

NOT FOR CONSTRUCTION

C-3.3

REFER TO LATEST MDOT R-28 STANDARD
RAMP AND DETECTABLE WARNING DETAILS

BENCHMARKS
(GPS DERIVED - NAVD88)

BM #300
BENCH TIE IN THE WEST SIDE OF A 24" TREE, LOCATED 100' EAST FROM THE CENTERLINE OF S. METRO PKWY. & APPROX. 500' NORTH FROM GAS SUB-STATION.,
ELEV. = 656.45

BM #301
CONCRETE NAIL IN THE NORTH FACE OF A POLYMER POLE LOCATED AT THE SOUTH CORNER OF HURON RIVER DR & HAGGERTY RD/METRO PKWY.
ELEV. = 652.80

BENCHMARKS
(GPS DERIVED - NAVD88)

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
MAG NAIL IN THE NORTH FACE OF A POWER POLE LOCATED AT THE SOUTH CORNER OF HURON RIVER DR & HAGGERTY RD/METRO PKWY.
ELEV. - 652.80

- SYMBOLS: EROSION CONTROL**
- SILT FENCE
(REFER TO DETAIL ON SHEET C-6.1 SHEET)
 - INLET FILTER
(REFER TO DETAIL ON SHEET C-6.1 SHEET)
 - APPROXIMATE SEEDING RESTORATION LOCATIONS
 - LIMITS OF DISTURBANCE

- GENERAL SITE CONDITIONS:**
- TOTAL DISTURBED AREA = ± 0.48 ACRES
- SOIL EROSION CONTROL NOTES:**
- ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM TO STANDARDS AND SPECIFICATIONS OF THE WAYNE COUNTY.
 - DAILY INSPECTIONS SHALL BE MADE BY THE CONTRACTOR FOR EFFECTIVENESS OF EROSION AND SEDIMENTATION CONTROL MEASURES, AND ANY REPAIRS SHALL BE PERFORMED WITHOUT DELAY.
 - EROSION AND ANY SEDIMENTATION FROM WORK ON THIS SITE SHALL BE CONTAINED ON THE SITE AND NOT ALLOWED TO COLLECT ON ANY OFF-SITE AREAS OR IN WATERWAYS. WATERWAYS INCLUDE BOTH NATURAL AND MAN-MADE OPEN DITCHES, STREAMS, STORM DRAINS, LAKES AND PONDS.
 - CONTRACTOR SHALL APPLY TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES WHEN REQUIRED AND AS DIRECTED ON THESE PLANS. REMOVE TEMPORARY MEASURES AS SOON AS PERMANENT STABILIZATION OF SLOPES, DITCHES, AND OTHER EARTH CHANGES HAVE BEEN ACCOMPLISHED AND A CERTIFICATE OF COMPLETION HAS BEEN ISSUED BY THE WAYNE COUNTY FOR THE SESC PERMIT.
 - STAGING THE WORK SHALL BE DONE BY THE CONTRACTOR AS DIRECTED IN THESE PLANS AND AS REQUIRED TO ENSURE PROGRESSIVE STABILIZATION OF DISTURBED EARTH.
 - SOIL EROSION CONTROL PRACTICES SHALL BE ESTABLISHED IN EARLY STAGES OF CONSTRUCTION BY THE CONTRACTOR. SEDIMENT CONTROL PRACTICES SHALL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTING OF SILT OFF THE SITE.

- SOIL EROSION MAINTENANCE SCHEDULE AND NOTES:**
- THE CONTRACTOR SHALL INSPECT THE SOIL EROSION AND SEDIMENTATION CONTROL DEVICES ONCE EACH WEEK AND/OR WITHIN 24 HOURS OF A RAINFALL EVENT WHICH RESULTS IN A STORM WATER DISCHARGE FROM THE SITE. THE FOLLOWING STEPS SHALL BE IMPLEMENTED IF ANY DAMAGE HAS OCCURRED.
- ANY DEBRIS OR DIRT ON ANY PAVED AREA RESULTING FROM CONSTRUCTION TRAFFIC SHALL BE CLEANED IN A PROMPT MANNER BY THE CONTRACTOR. THE CONSTRUCTION DRIVE SHALL BE CLEANED AT THE END OF EACH DAY.
 - ALL DIRT AND MUD TRACKED ONTO PAVED AREAS SHALL BE REMOVED DAILY BY SCRAPING. STREET SWEEPING IS REQUIRED WEEKLY.
 - SILT FENCE MAINTENANCE SHALL INCLUDE THE REMOVAL OF ANY BUILT UP SEDIMENT WHEN THE SEDIMENT HEIGHT ACCUMULATES TO 1/3 TO 1/2 OF THE HEIGHT OF THE FENCE. THE CONTRACTOR IS RESPONSIBLE TO REMOVE, REPLACE, RETRENCH OR REBACKFILL THE SILTATION FENCE SHOULD IT FALL OR BE DAMAGED DURING CONSTRUCTION.
 - INLET FILTER MAINTENANCE SHALL INCLUDE THE REMOVAL OF ANY ACCUMULATED SILT OR OTHER DEBRIS. THE REMOVAL OF SILT SHOULD BE WITH THE USE OF A STIFF BRISTLE BROOM OR SQUARE POINT SHOVEL. IF INLET FILTERS CAN NOT BE CLEANED OR ARE DAMAGED, THEN THE FABRIC MUST BE REPLACED.
 - A WATER TRUCK SHALL BE AVAILABLE TO WATER DOWN THE SITE ON A DAILY BASIS AS REQUIRED TO MAINTAIN DUST CONTROL.

STREET CLEANING SCHEDULE							
	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
SCRAPE STREETS		×	×	×	×	×	×
SWEEP STREETS				×			

EROSION CONTROL QUANTITIES:
AREA DISTURBED = .71 AC.

SILT FENCE	1655 LF
INLET FILTERS	5 EA.
3" TOPSOIL, SEED & MULCH	1855 S.Y.

- 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 ENTIRE STORM SEWER SYSTEM.
 - ACCUMULATED SEDIMENT MUST BE REMOVED FROM THE SEDIMENTATION BASIN.
 - ALL TEMPORARY SESC DEVICES MAY BE REMOVED AFTER CERTIFICATE OF COMPLETION.

GRADING LEGEND:

- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION: TYPICALLY TOP OF PAVEMENT IN PAVED AREAS, GUTTER GRADE IN CURB LINES.
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED REVERSE GUTTER PAN
- PROPOSED RIDGE LINE
- PROPOSED SWALE/DITCH

ABBREVIATIONS

T/C = TOP OF CURB	G = GUTTER GRADE
T/P = TOP OF PAVEMENT	F.G. = FINISH GRADE
T/S = TOP OF SIDEWALK	RM = RIM ELEVATION
T/W = TOP OF WALL	B/W = BOTTOM OF WALL

REFER TO GRADING NOTES ON SHEET C-1.1.

EARTHWORK BALANCING NOTE:

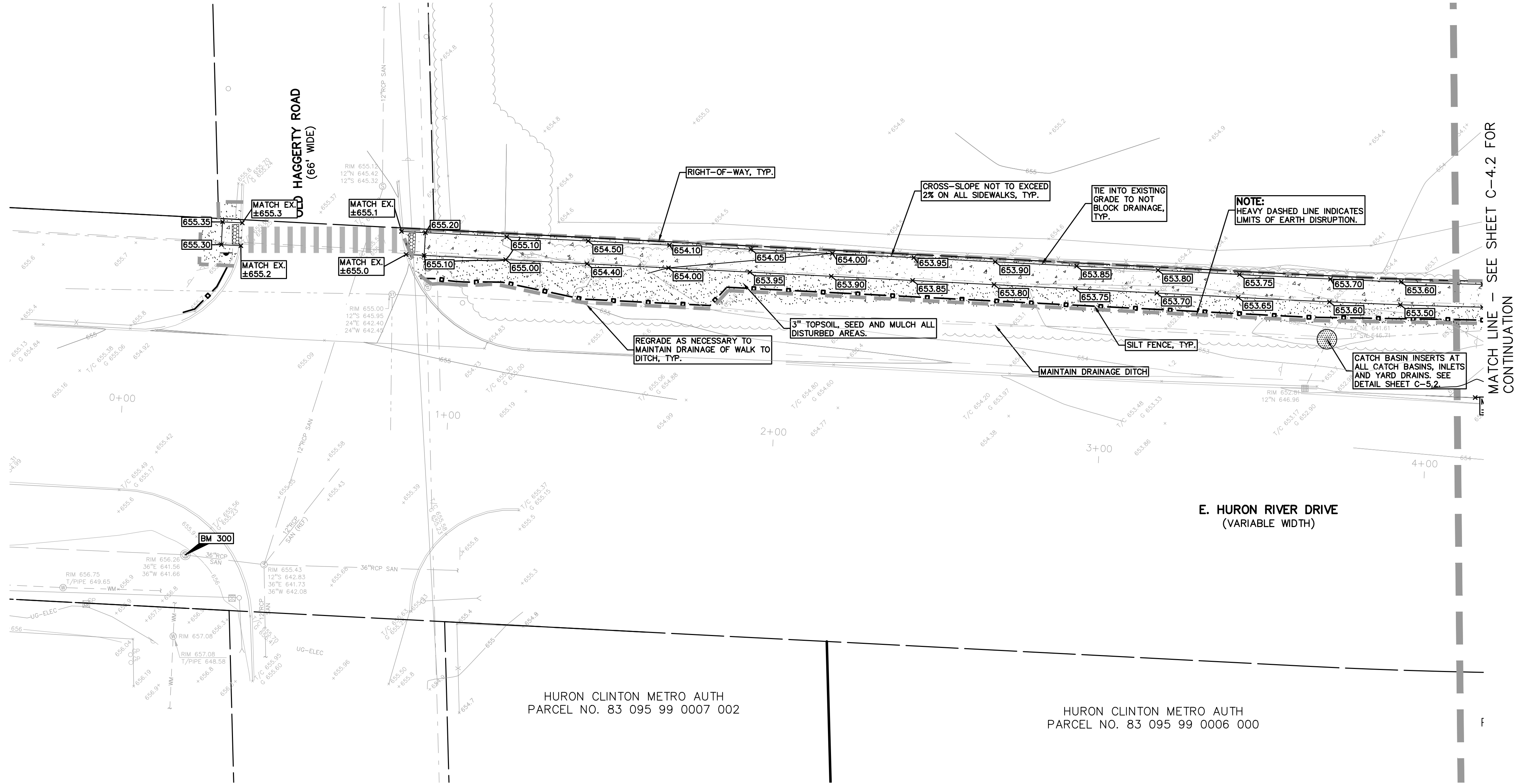
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PEA GROUP

t: 844.813.2949
www.peagroup.com



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TRAIL PLAN—E. HURON RIVER DR.
STA 0+00 TO STA 4+08

CLIENT
VAN BUREN TOWNSHIP
46425 TYLER ROAD
VAN BUREN, MICHIGAN

VAN BUREN CHARTER TOWNSHIP

PROJECT TITLE
IRON BELLE TRAIL SECTION K
VAN BUREN TOWNSHIP
VAN BUREN, MICHIGAN

Michigan's Iron Belle Trail

REVISIONS	
ORIGINAL ISSUE	12-12-2022
REVISED PER TOWNSHIP	8-8-2023
REVISED PER WC REVIEW	8-24-2023

ORIGINAL ISSUE DATE:
DECEMBER 12, 2022

DRAWING TITLE
GRADING PLAN

PEA JOB NO.	2022-0652
P.M.	JTS
DN.	JMR
DES.	JMR
DRAWING NUMBER:	

NOT FOR CONSTRUCTION

C-4.1

BENCHMARKS
(GPS DERIVED - NAVD88)

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
NAIL IN THE NORTH FACE OF A POWER POLE LOCATED AT THE SOUTH CORNER OF HURON RIVER DR & HAGGERTY RD/METRO PKWY.
ELEV. - 652.80

SYMBOLS: EROSION CONTROL

SILT FENCE
(REFER TO DETAIL ON SHEET C-6.1 SHEET)

INLET FILTER
(REFER TO DETAIL ON SHEET C-6.1 SHEET)

APPROXIMATE SEEDING RESTORATION LOCATIONS

LIMITS OF DISTURBANCE

GRADING LEGEND:

EXISTING SPOT ELEVATION

PROPOSED SPOT ELEVATION:
TYPICALLY TOP OF PAVEMENT
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IN CURB LINES.

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B/W = BOTTOM OF WALL

REFER TO GRADING NOTES ON SHEET C-1.1.

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PEA GROUP

t: 844.813.2949
www.peagroup.com

NORTH

0102040

SCALE: 1" = 20'

811

Know what's below.
Call before you dig.

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CLIENT
VAN BUREN TOWNSHIP
46425 TYLER ROAD
VAN BUREN, MICHIGAN

PROJECT TITLE
IRON BELLE TRAIL SECTION K
VAN BUREN TOWNSHIP
VAN BUREN, MICHIGAN

REVISIONS

ORIGINAL ISSUE	12-12-2022
REVISED PER TOWNSHIP	8-8-2023
REVISED PER WC REVIEW	8-24-2023

ORIGINAL ISSUE DATE:
DECEMBER 12, 2022

DRAWING TITLE
GRADING PLAN

PEA JOB NO.	2022-0652
P.M.	JTS
DN.	JMR
DES.	JMR
DRAWING NUMBER:	

NOT FOR CONSTRUCTION

C-4.2

S:\PROJECTS\2022\2022-0652 - BT SECTION K\DWG\CONSTRUCTION\C-4.01 GRAD 22-0652.dwg

BENCHMARKS
(GPS DERIVED - NAVD88)

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ELEV. - 656.26

BM #301
MAG NAIL IN THE NORTH FACE OF A POWER POLE LOCATED AT THE SOUTH CORNER OF HURON RIVER DR & HAGGERTY RD/METRO PKWY.
ELEV. - 652.80

SYMBOLS: EROSION CONTROL

SILT FENCE
(REFER TO DETAIL ON SHEET C-6.1 SHEET)

INLET FILTER
(REFER TO DETAIL ON SHEET C-6.1 SHEET)

APPROXIMATE SEEDING RESTORATION LOCATIONS

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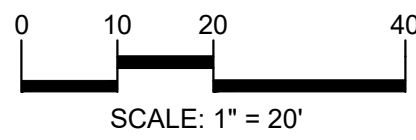
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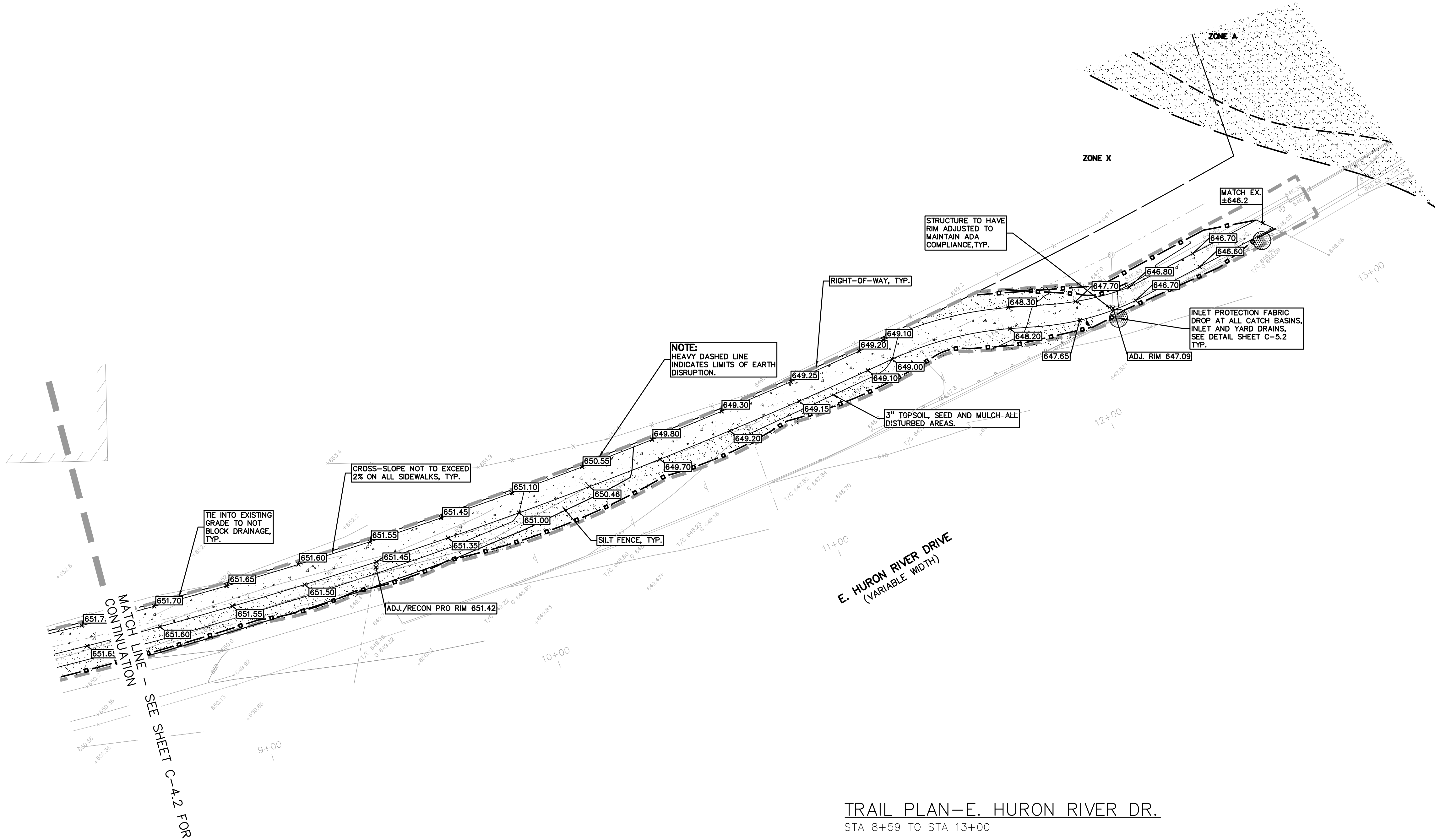
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TRAIL PLAN-E. HURON RIVER DR.
STA 8+59 TO STA 13+00

CLIENT

VAN BUREN TOWNSHIP
46425 TYLER ROAD
VAN BUREN, MICHIGAN

PROJECT TITLE

**IRON BELLE TRAIL
SECTION K**
VAN BUREN TOWNSHIP
VAN BUREN, MICHIGAN



REVISIONS	
ORIGINAL ISSUE	12-12-2022
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REVISED PER WC REVIEW	8-24-2023

ORIGINAL ISSUE DATE:
DECEMBER 12, 2022

DRAWING TITLE

GRADING PLAN

PEA JOB NO.	2022-0652
P.M.	JTS
DN.	JMR
DES.	JMR
DRAWING NUMBER:	

NOT FOR CONSTRUCTION

C-4.3

BENCHMARKS
(GPS DERIVED — NAVD88)

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ELEV. — 656.26

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(REFER TO DETAIL ON SHEET C-6.1 SHEET)

● INLET FILTER
(REFER TO DETAIL ON SHEET C-6.1 SHEET)

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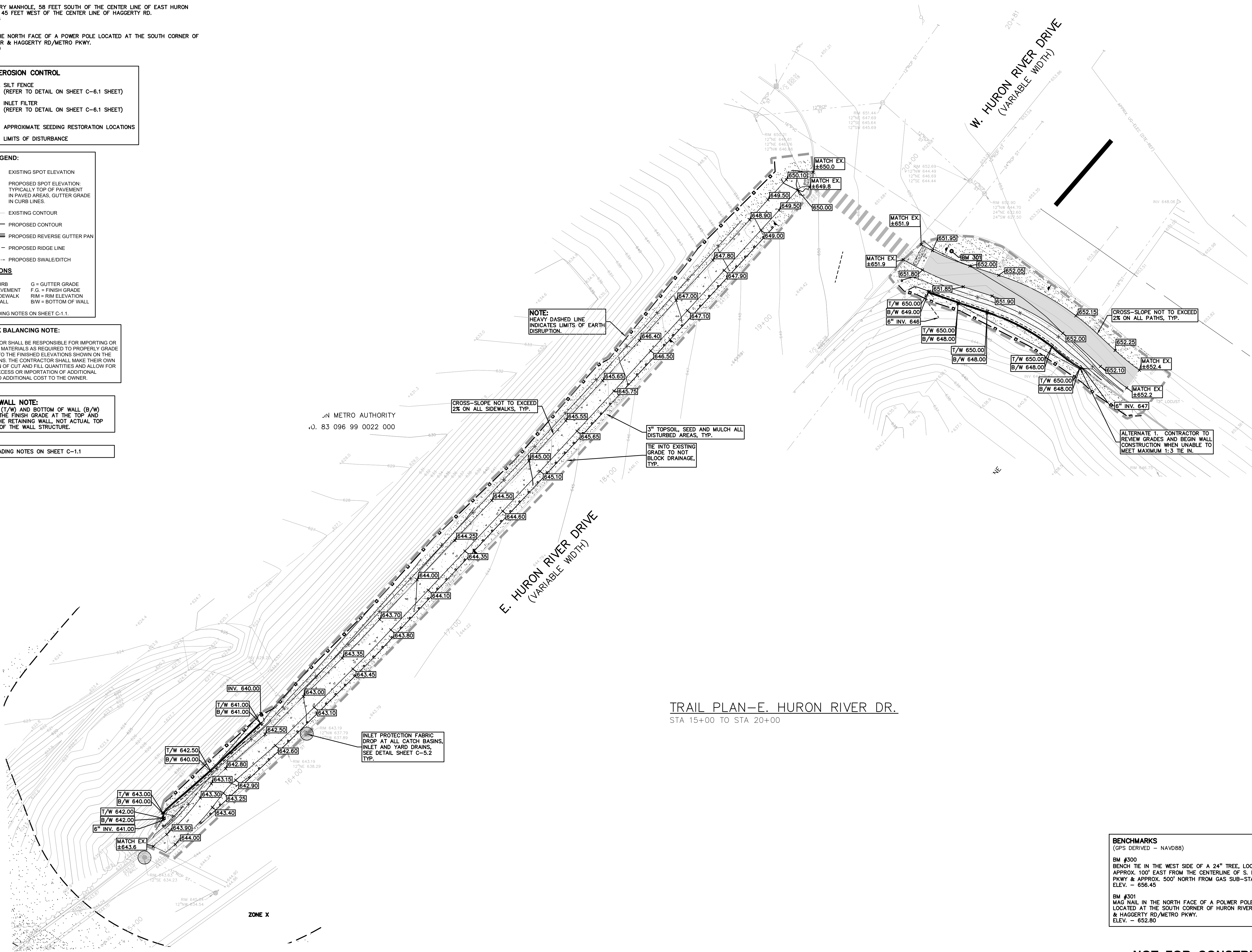
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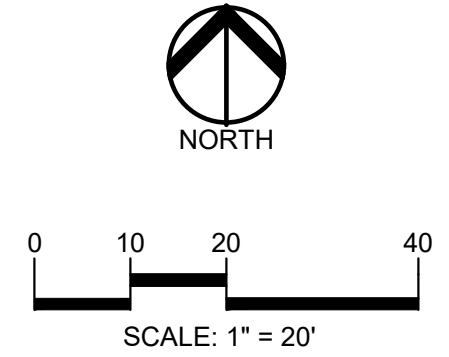
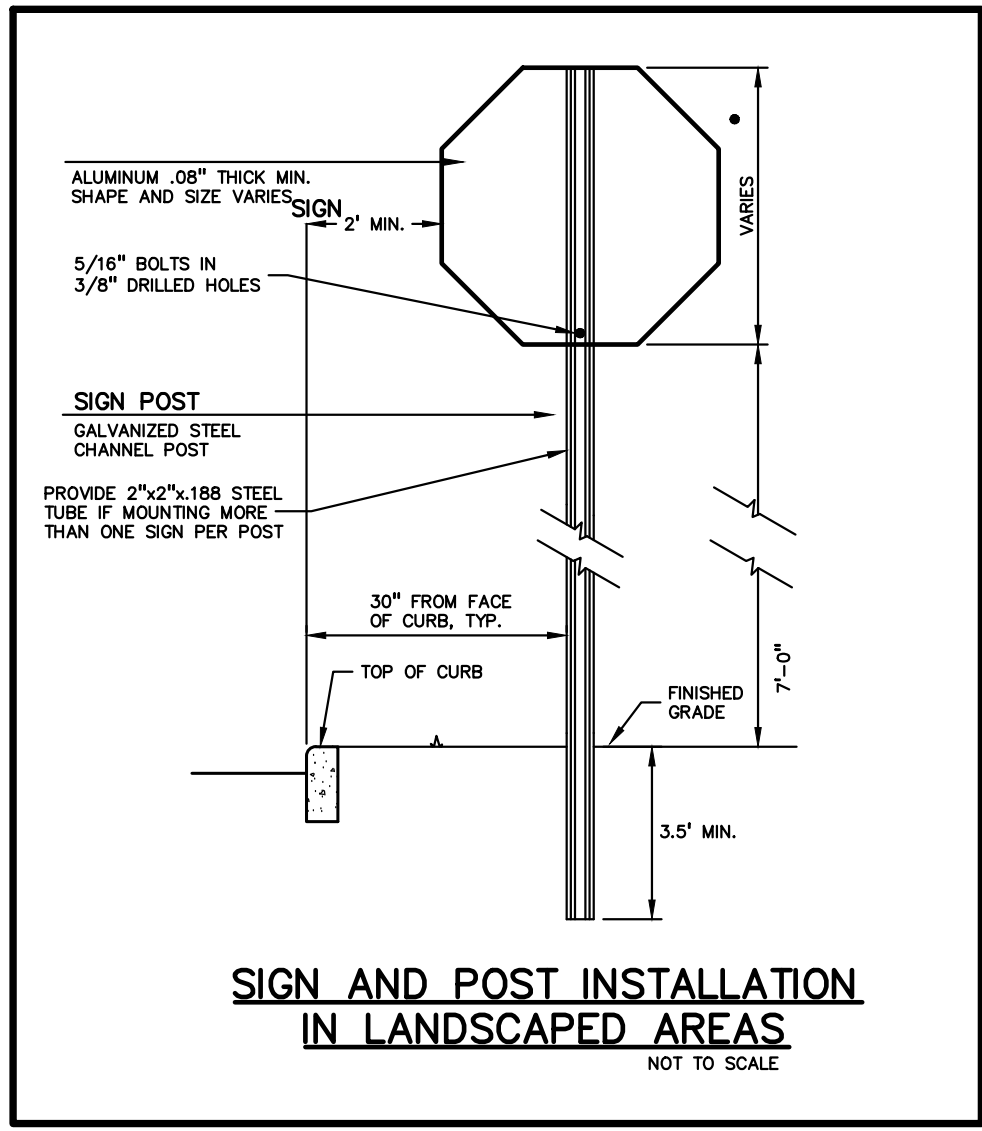
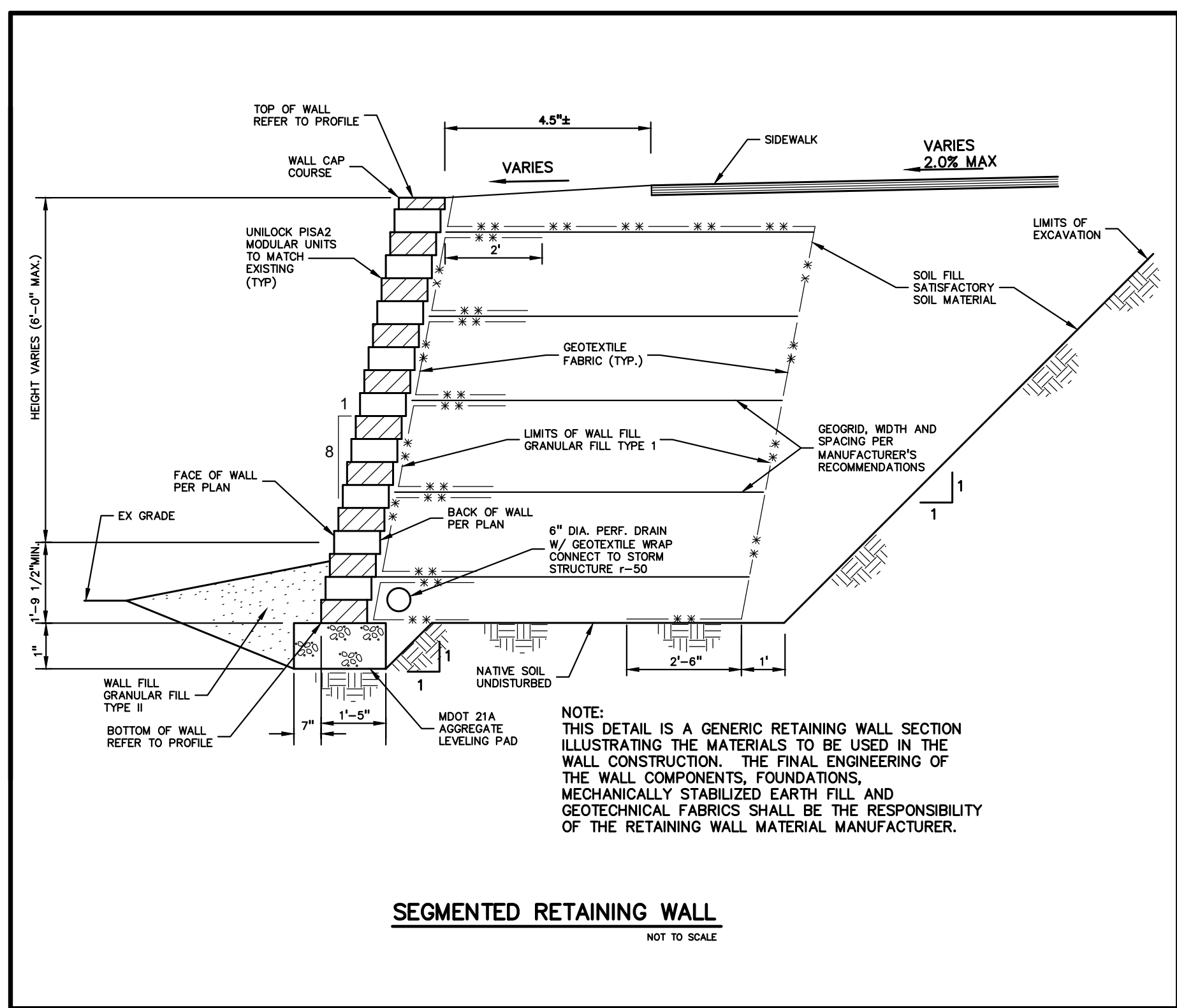
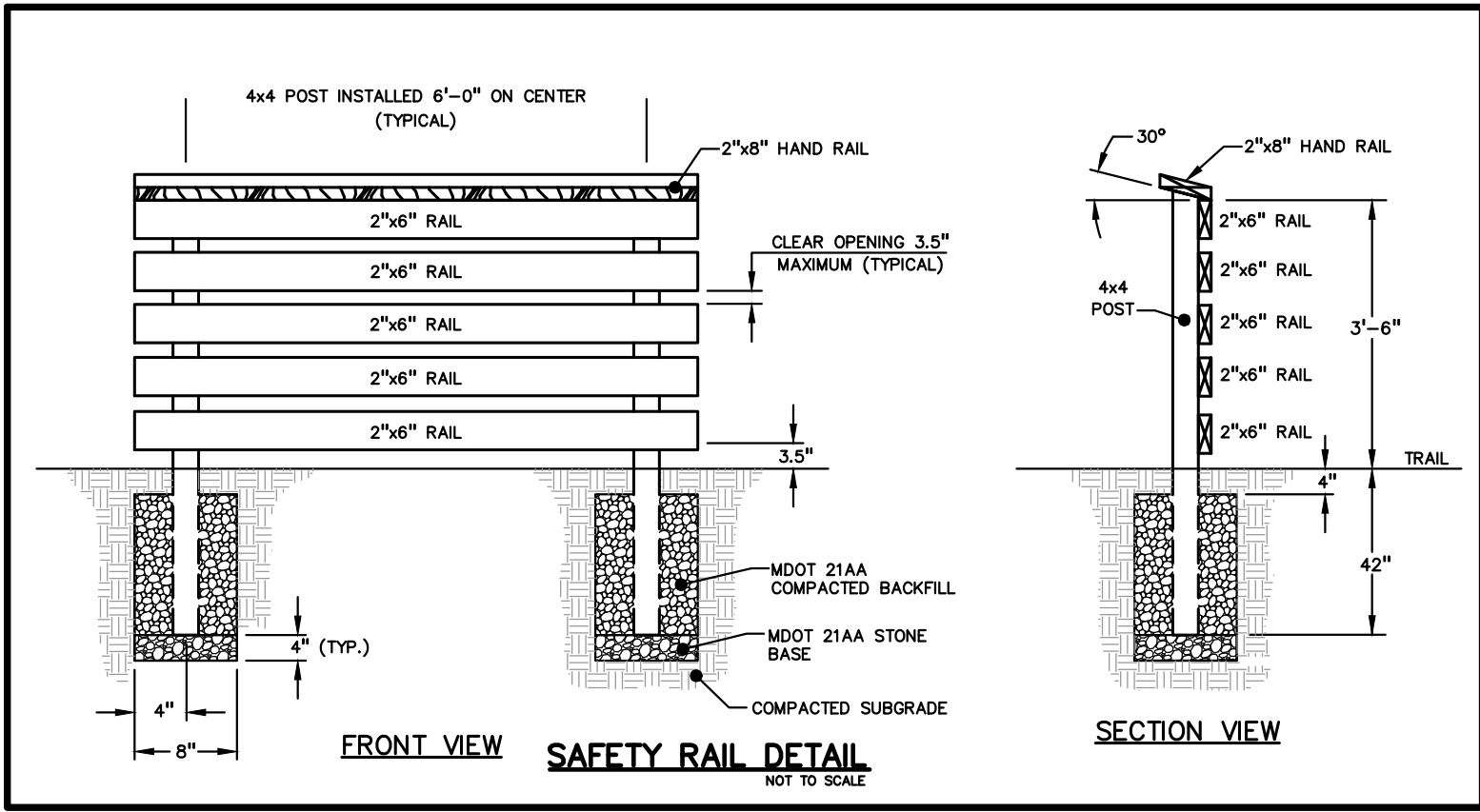
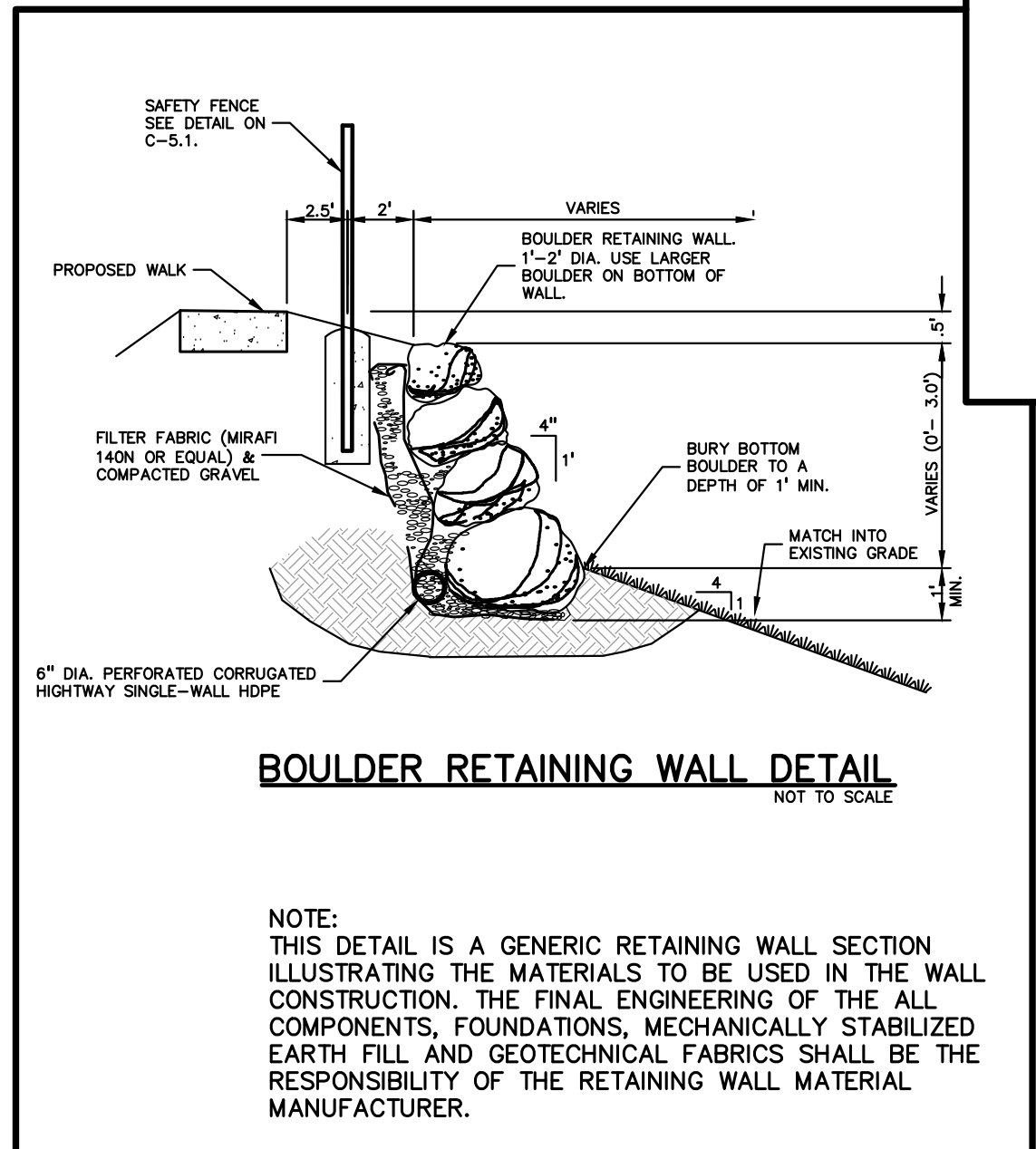
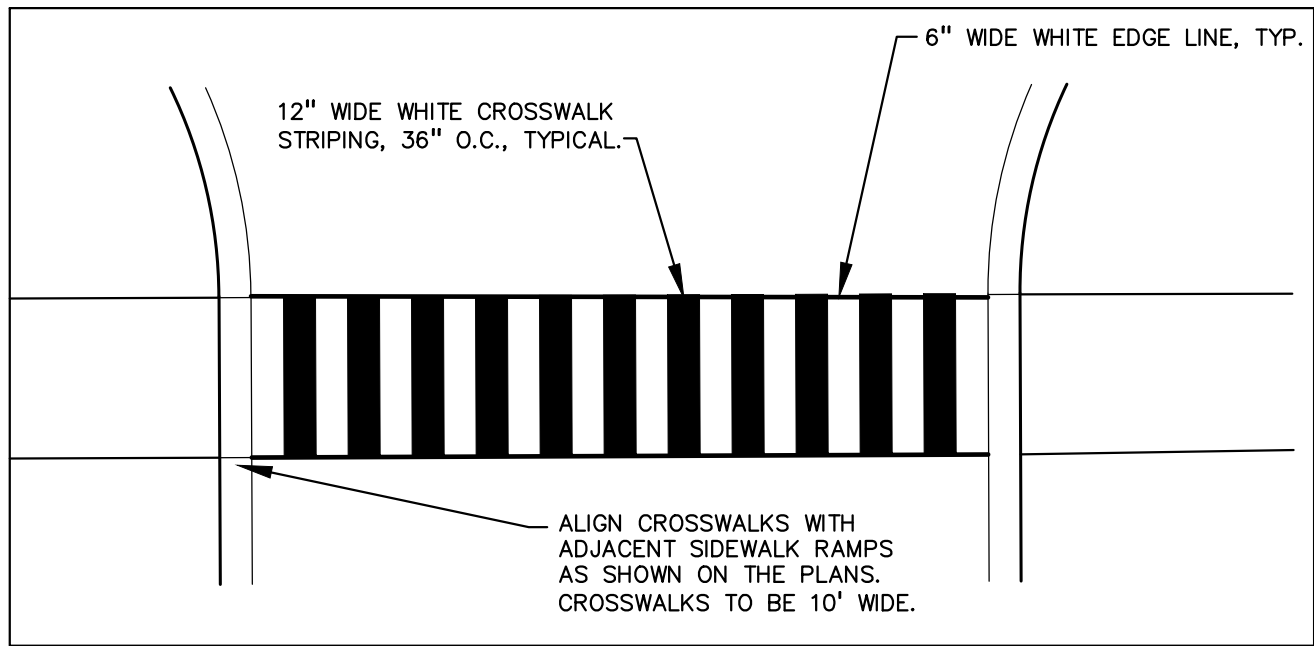
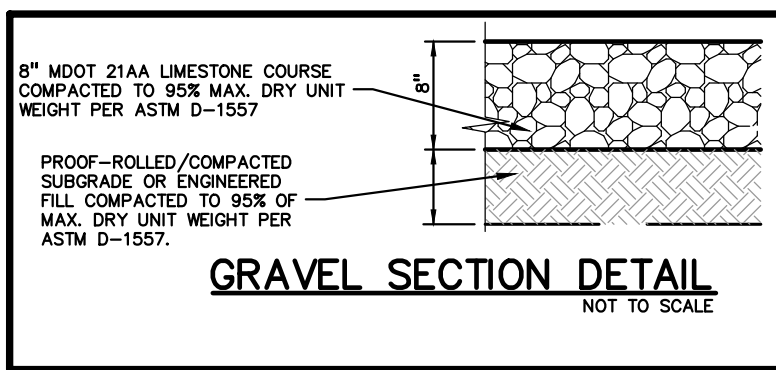
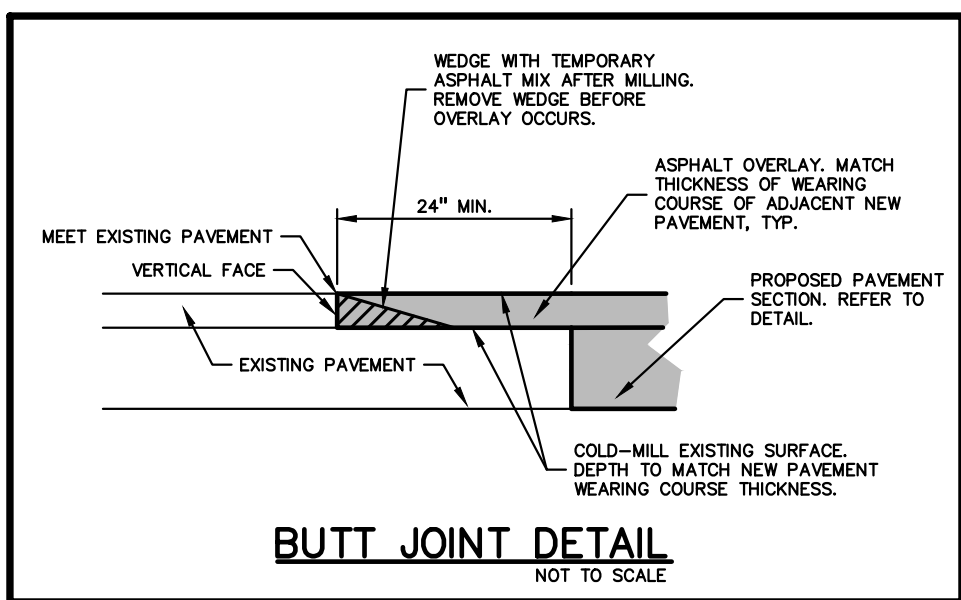
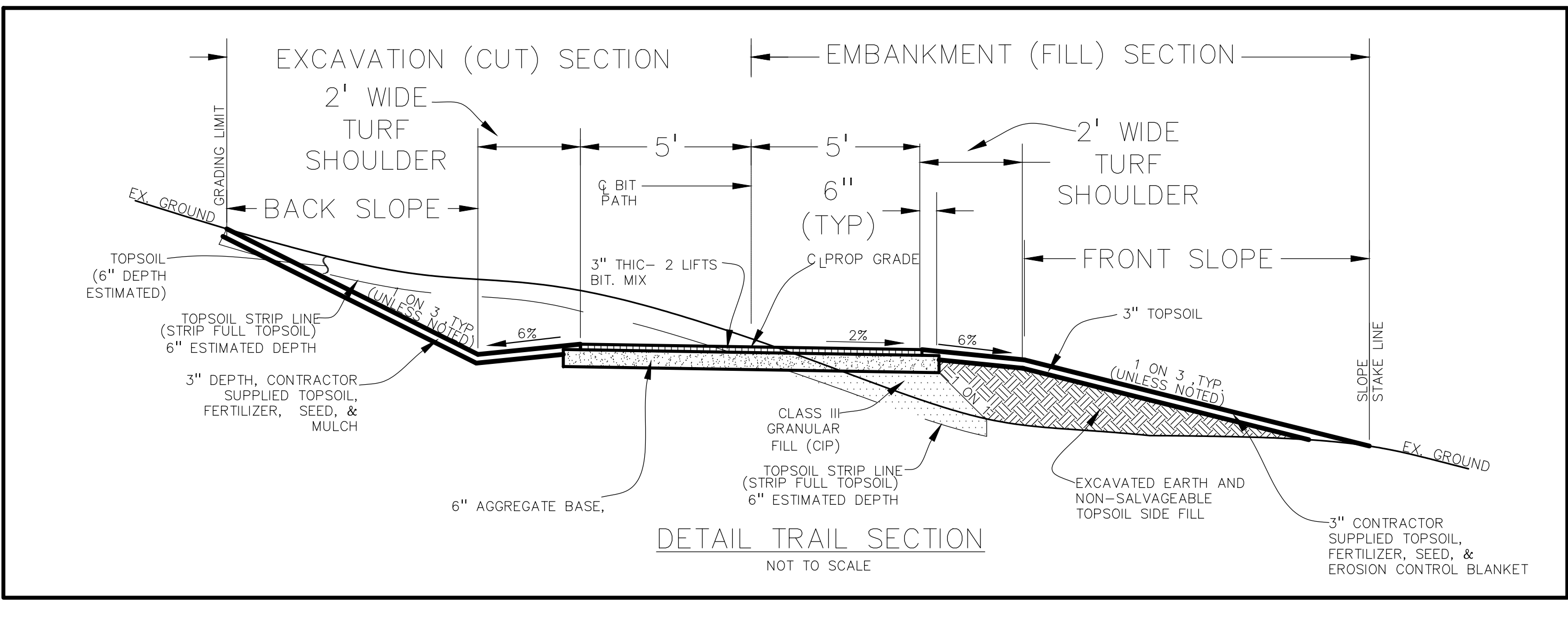
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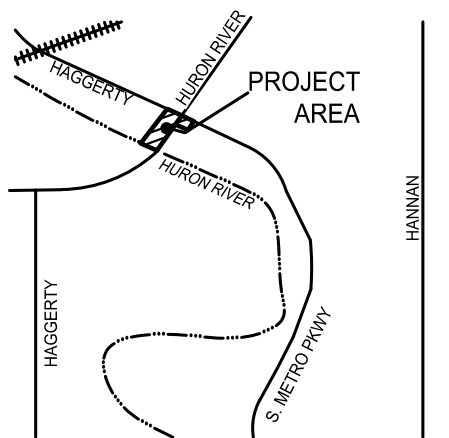
RETAINING WALL NOTE:
TOP OF WALL (T/W) AND BOTTOM OF WALL (B/W) GRADES ARE THE FINISH GRADE AT THE TOP AND BOTTOM OF THE RETAINING WALL, NOT ACTUAL TOP AND BOTTOM OF THE WALL STRUCTURE.

REFER TO GRADING NOTES ON SHEET C-1.1





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CLIENT

**HURON CLINTON
METROPARKS**

13000 HIGH RIDGE DRIVE
BRIGHTON, MICHIGAN 48114

PROJECT TITLE

**HURON RIVER
DRIVE SIDEWALK**

PART OF THE SOUTH 1/2 OF SECTION 24
BELLEVILLE, MICHIGAN

[illegible]ORIGINAL ISSUE DATE:
AUGUST 30, 2021

DRAWING TITLE
DETAIL SHEET

PEA JOB NO.	2021-0108
P.M.	JS
DN.	JMR
DES.	JMR
DRAWING NUMBER:	

C-5.1

