



ANDERSON, ECKSTEIN AND WESTRICK, INC. CIVIL ENGINEERS SURVEYORS ARCHITECTS

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THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION 2020 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND THE CITY OF EASTPOINTE STANDARD WATER MAIN SPECIFICATIONS UNLESS MODIFIED BY A SPECIAL

ALL TRAFFIC CONTROL DEVICES SUCH AS LIGHTED ARROW BOARDS, PLASTIC DRUMS, BARRICADES, TEMPORARY SIGNAGE, AND LANE CLOSURES SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE 2011 MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE SUPPLEMENTARY MAINTAINING

INTERSECTION AND SIGNAL MODERNIZATION INCLUDING MAST ARMS ON MACK AVENUE AT VERNIER ROAD, RECONFIGURATION OF AN EXISTING CROSSOVER INCLUDING NEW MAST ARM SIGNALS ON VERNIER ROAD EAST OF MACK AVENUE, A NEW SIGNALIZED INTERSECTION ON VERNIER ROAD AT SUNNINGDALE PARK INCLUDING MAST ARMS, CROSSWALK WITH ADA IMPROVEMENTS, AND WIDENING OF VERNIER ROAD EAST OF SUNNINGDALE IN THE CITY OF GROSSE POINTE WOODS, WAYNE COUNTY. THIS IS A LOCAL AGENCY PROJECT.

JIM KOWALSKI, DIRECTOR OF PUBLIC SERVICES

DATE

"I HEREBY CERTIFY THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION IN ACCORDANCE WITH ACT 240, PUBLIC ACTS

DATE

GENERAL NOTES

UTILITIES

MISS DIG/UNDERGROUND UTILITY NOTIFICATION

Contact MISS DIG System, Inc. for the protection of underground utilities and in conformance with MCL 460.721 et seq, by phone at 811 or 800-482-7171 or via the web at either elocate.missdig.org for single address or rte.missdig.org, a minimum of 3 working days prior to excavating, excluding weekends and holidays.

ROW / REAL ESTATE

PROPERTY OWNERS

The names of property owners shown on the plans are for information only, and their accuracy is not guaranteed.

LAWN SPRINKLER SYSTEMS AND LANDSCAPING

Notify owners of existing lawn sprinkler systems and/or landscaping (in writing with a copy sent to the Engineer) two weeks in advance of any work to be done that will affect those systems and/or landscaping. If the property owner fails to relocate the lawn sprinkler system prior to the Contractor beginning work, and if the Contractor cuts the system during the construction, cap the system pipe and witness the location of the cap with a wooden stake for the property owner's use. Place the salvaged sprinkler heads on the property owner's property. If the property owner fails to relocate the landscaping prior to the Contractor beginning work, carefully salvage the landscaping items and stockpile them on the property owner's property for the property owner. This work is included in other items of the project. Any other modification to the lawn sprinkler systems and/or landscaping, is the responsibility of the owner and is not part of this contract.

SURVEY

PRESERVATION OF BOUNDARY MONUMENTS

Preserve all corners within the project limits, whether shown or not. Adjust monument boxes as required.

DETAILED GRADES

GRADES FOR INTERSECTIONS Determine intersection grades before construction is started.

SIDEWALK AND SIDEWALK RAMP GRADES

All sidewalk and sidewalk ramp grades shall be staked according to Standard Plan R-28 series and as shown on the plans. Prior to constructing the sidewalk and sidewalk ramps, the Engineer will verify the grades and authorize the construction of the sidewalk and sidewalk ramps.

EARTHWORK

SLOPES

Class A slopes shall be constructed on this project.

EARTH DISTURBANCE LIMITS

Limit earth disturbance to 10' beyond the slope stake line or to the ROW line whichever is less except areas adjacent to wetlands where the limits of earth disturbance are at the slope stake line. The plans include restoration measures for the approved areas of disturbance. Submit an earth change plan to the Engineer to review and approve for any work beyond the approved areas of disturbance. Costs for obtaining and executing an approved earth change plan, including restoration are the Contractor's responsibility.

SOIL EROSION MEASURES

Place appropriate soil erosion and sedimentation control measures prior to earth-disturbing activities. Place turf establishment items as soon as possible on potential erodible slopes as directed by the Engineer. Protect critical ditch grades with either sod or seed/mulch or mulch blanket as directed by the Engineer.

BASES

AGGREGATE BASE

Aggregate bases shall use aggregate 21AA, unless otherwise specified.

DRAINAGE

ILLICIT CONNECTIONS TO STORM WATER SYSTEM

Connections to existing storm conveyance systems not shown on the plans must be reconnected with minimal interruption in service. Size, type and location by station and offset and any suspect illicit discharge observed shall be reported to the Engineer prior to reconnecting. Contractor shall proceed as directed by the Engineer.

TEMPORARY BULKHEADS

Temporary bulkheads may be required for the part width construction of the culverts and sewers. All cost associated with the temporary bulkheads are included in the item of the pipe.

PAVEMENT

PAVEMENT AND HMA SURFACE REMOVAL QUANTITIES

Pavement and HMA Surface removal as shown on the plans will be at the discretion of the Engineer. If in his/her judgment, areas of pavement may be left in place, or additional areas added to provide the proper cross-section and base. Changes will be made in the quantities.

SOIL BORINGS AND/OR PAVEMENT CORES

The soil boring logs and/or pavement cores represent point information. No inference should be made that subsurface or pavement conditions are the same at other locations.

CONCRETE HAND FINISHING

Strike off, consolidate, and hand finish concrete pours using hand methods on variable width lanes and lanes formed by flexible forms for short radius curves, as directed by the Engineer

CONCRETE

The type of concrete to be used on this project for the pavement repairs is Type 3500.

INTERSECTION CONCRETE JOINT LAYOUT

The Contractor shall layout all joints for the intersections 5 days prior to concrete placement for the review of the Engineer. The Designer will furnish blank intersection worksheets (11" x 17") to scale (1"=40') showing all proposed curb lines, longitudinal lane lines and all existing and proposed utility/drainage structure covers within the intersections to the Engineer prior to the pre-construction meeting. These worksheets will be available for the Contractor's use.

RESTORATION

SEED MIXTURE

The symbol for the permanent turf seed mixture on this project is symbol 3-3-3.

LANDSCAPING

Existing vegetation shall not be damaged during construction operations, per the 2020 Standard Specifications for Construction.

All equipment to be used must be approved by the engineer prior to beginning work.

Storage of equipment and materials will be restricted to areas designated by the Engineer.

Branches of all trees to be saved shall not be removed, or damaged by construction equipment. If removal of lower branches is necessary, contact DPW for proper methods.

Do not trench within the drip line of existing trees to remain unless specifically approved by the Engineer

Contractor shall promptly restore any property damage at no expense to the Owner.

LANDSCAPING - CONTINUED

All excavated material will become the property of the contactor. Any excavated material not used on the project will be removed from the site and disposed of in accordance with section 205.03.P. of the 2020 Standard Specification for Construction and any applicable state and/or local ordinances.

No cereal rye seeding shall be used on this project.

Protect existing sidewalks from damage.

SIGNS

GENERAL

All signs shall be installed, removed and/or salvaged according to the current edition of "Michigan Manual on Uniform Traffic Control Devices" and the current edition of Michigan Department of Transportation (MDOT) "Standard Specifications for Construction."

EXISTING SIGN RELOCATION Any permanent signs requiring relocation due to Contractor operations shall be salvaged and reset by the Contractor at locations designated by the Engineer. Signs and posts damaged during the removal and storage operations shall be replaced with new signs and posts. The cost of this work shall be borne by the Contractor.

Sign Layout

Sign layouts shall be according to the current English edition of "Standard Highway Signs" manual or as detailed in plans. Legend length shall be determined using the "SignCAD" software.

SHEETING

guidelines. Splice sheeting used for Type I signs with a 3" overlap.

Signs that have wrinkled or twisted sheeting may be rejected.

Sign Installation

Nylon washers shall be placed between the steel washer and the sign face sheeting. The nylon washers are to be considered part of the attaching devices and hardware. Nylon washers shall have a 3/8 inch inner diameter, a 7/8 inch outer diameter and a 1/16 inch thickness.

The Contractor shall attach a date sticker to the back of all signs installed on the contract. Stickers will be supplied to the Contractor at the preconstruction meeting by the Engineer. Stickers will be supplied by DPW.

SIGNALS

MAINTAINING AGENCY CONTACT INFORMATION • Wayne County Department of Public Services: (734-955-2161)

NOTIFICATIONS TO MAINTAINING AGENCIES activation.

WOOD POLE INSTALLATION Install wood poles so as not to interfere with traffic or future construction stages.

CONTINUOUS TRAFFIC SIGNAL OPERATION Place proposed traffic signal into operation at time of removal of existing traffic signal facilities. Contact WCDPS if unable to maintain the traffic signal in an operable condition at all times.

UNDERGROUND UTILITY SEPARATION Maintain a minimum clearance of 3'-6" horizontal & 1'-0" vertical between proposed facilities & existing underground water facilities.

SIGNAL EQUIPMENT DISPOSAL

Disposal of all traffic signal equipment is included in the removal pay items and includes the following: • Notification to WCDPS that traffic signal equipment is being removed. • Temporary storage of equipment in a dumpster on site (or as directed by the Engineer) allowing WCDPS 48 hours to salvage any equipment.

- Proper disposal of any equipment containing environmentally sensitive materials (mercury relay switches for example)
- Disabling or destruction of all remaining equipment to the satisfaction of the engineer such that it cannot
- be reused or resold. • Proper disposal of all remaining equipment.

PROJECT SPECIFIC NOTES

DRAINAGE STRUCTURE COVERS All existing frames and covers shall be replaced with new frames and covers according to the special provision contained herein. The Contractor shall be responsible for storing all removed frames and covers until the City has been given an opportunity to inspect and take possession of any frames covers that they deem salvageable. All frames and covers which are rejected by the City shall be disposed of in a legal manner by the Contractor. All frames and covers which are in a salvageable condition shall be delivered to the location chosen by the City representative.

M.D.O.T. ROAD STANDARD PLANS

WHERE THE FOLLOWING ITEMS ARE CALLED FOR ON THE PLANS, THEY ARE TO BE CONSTRUCTED ACCORDING TO THE STANDARD PLAN GIVEN BELOW OPPOSITE EACH ITEM UNLESS SHOWN DIFFERENTLY IN THIS PLAN SET OR MODIFIED BY A SPECIAL PROVISION.

R-1-G	DRAINAGE STRUCT
R-28-J	SIDEWALK RAMP A
R-29-I	DRIVEWAY OPENIN
R-30-G	CONCRETE CURB /
R-31-F	INTEGRAL CURB A
R-39-K	TRANSVERSE PAV
R-40-I	LOAD TRANSFER A
R-44-G*	CONCRETE PAVEM
R-83-C	UTILITY TRENCHES
R-96-E	SOIL EROSION & SI
R-100-l*	SEEDING AND TRE

* SPECIAL DETAILS

All raw fill or cut slopes will be covered with slope restoration according to the special provision and time limitations specified in section 816.03 of the 2020 Standard Specifications for Construction.

All signs on the plans or in the log that do not have a recommendation are to be retained.

Handling and installation of all signs shall conform to the sheeting manufacturer's specifications and

When attaching signs to supports, tighten the nut, not the bolt head.

Contact WCDPS seven working days prior to start of construction and seven working days prior to signal

TURES

AND DETECTABLE WARNING DETAILS NGS & APPROACHES, AND CONCRETE SIDEWALK AND CONCRETE CURB & GUTTER AND INTEGRAL CURB & GUTTER /EMENT JOINTS (PLAIN CONCRETE PAVEMENT) ASSEMBLIES FOR TRANSVERSE JOINTS **MENT REPAIR**

SEDIMENTATION CONTROL MEASURES E PLANTING

M.D.O.T. TRAFFIC & SAFETY STANDARD PLANS

WHERE THE FOLLOWING ITEMS ARE CALLED FOR ON THE PLANS, THEY ARE TO BE CONSTRUCTED ACCORDING TO THE STANDARD PLAN GIVEN BELOW OPPOSITE EACH ITEM UNLESS SHOWN DIFFERENTLY IN THIS PLAN SET OR MODIFIED BY A SPECIAL PROVISION.

*WZD-100-A GROUND DRIVEN SIGN SUPPORTS FOR TEMP SIGNS TEMPORARY TRAFFIC CONTROL DEVICES *WZD-125-E

* - SPECIAL DETAILS

SIGNALS SPECIAL DETAILS:

WAYNE COUNTY: *WC-026-A COLOR CODE WIRING / EQUIPMENT GROUNDING *WC-026-B COLOR CODE WIRING CONNECT / SIGNAL LAMPS *WC-028-B PEDESTAL FDN & SIGNAL MOUNTING DETAILS *WC-029-C TYPICAL POLE MTD PEDESTRIAN SIGNALS *WC-045-A BASE MTD TS CONTROLLER CABINET / FDN MDOT: *SIG-030-B TS MAST ARM POLE / MAST ARM DETAILS - CATEGORY I *SIG-040-A TS MAST ARM STANDARD FOUNDATIONS *SIG-120-A GLOBAL POSITIONING SYSTEM (GPS) MODULE *SIG-201-A SECONDARY SERVICE/DISCONNECT STEEL POLES *SIG-240-A HANDHOLE-PRECAST POLYMER CONCRETE *SIG-250-A CONDUIT (DIRECT BURIAL/ENCASED) *SIG-301-A MAST ARM MOUNTED TS BRACKET ASSEMBLY *SIG-304-A TRAFFIC SIGNAL BACKPLATES *SIG-330-A PEDESTAL MOUNTED SIGNAL DISPLAYS *SIG-340-A POLE MOUNTED SIGNAL DISPLAYS *SIG-400-A PEDESTRIAN PUSH BUTTON DETAILS *SIG-430-A VIDEO DETECTION CAMERA

* SPECIAL DETAILS

PUBLIC UTILITIES

THE EXISTING UTILITIES LISTED BELOW AND LOCATIONS OF UTILITIES AS SHOWN ON THE PLANS REPRESENT THE BEST INFORMATION AVAILABLE AT THE TIME THESE PLANS WERE PREPARED. THIS INFORMATION DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO SATISFY HIMSELF AS TO THEIR ACCURACY OR OF HIS RESPONSIBILITY TO VERIFY ALL EXISTING UTILITIES WITHIN THE C.I.A. IN CASE UTILITIES HAVE BEEN CONSTRUCTED OR REMOVED SINCE THE TOPOGRAPHIC SURVEY WAS PREPARED.

NAME OF OWNER	UTILITY
DETROIT EDISON CO. TOM KOCH ONE ENERGY PLAZA 2045 WEB DETROIT, MI 48226 (313) 235-4432	POWER & ELECTRIC
DTE COMMUNITY LIGHTING DEBRA CAIN (313) 618-6996	STREET LIGHTS
DTE GAS COMPANY LAURIE FORRESTER 17150 ALLEN ROAD MELVINDALE, MICHIGAN 48122 (313) 389-7261	GAS
AT&T ENGINEERING DEPARTMENT 100 S. MAIN ST., SUITE 314 MT. CLEMENS, MICHIGAN 48043 (586) 466-1024	TELEPHONE & OTHER COMMUNICATION SYSTEMS
COMCAST CABLE WARREN SETTY 6095 WALL STREET STERLING HEIGHTS, MICHIGAN 48312 (517) 204-8081	CABLE TV
WAYNE COUNTY DPS PETE MILENKOVICH 29900 GODDARD ROAD DETROIT, MICHIGAN 48241 (734) 955-2154	TRAFFIC SIGNALS
CITY OF GROSSE POINTE WOODS DEPARTMENT OF PUBLIC WORKS FRANK SCHULTE 1200 PARKWAY GROSSE POINTE WOODS, MICHIGAN 48236	WATER / SEWER

WAYNE COUNTY CONSTRUCTION NOTES

. PRIOR TO PAVEMENT REMOVAL THE CONTRACTOR SHALL CONTACT WAYNE COUNTY ENGINEER/INSPECTOR TO VERIFY IF THE EXISTING GRADES OF THE GUTTER LINES AND THE TOP OF CURBS ARE NEEDED AND TO BE PROVIDED AS REQUESTED.

2. SAW-CUT FULL DEPTH THE EXISTING PAVEMENT TO THE NEAREST JOINT WITHIN WAYNE COUNTY ROAD RIGHT-OF-WAY AND REMOVE THE EXISTING PAVEMENT AND CURB OR AS DIRECTED BY WAYNE COUNTY ENGINEER.

3. CONSTRUCT THE PRIMARY ROADS AS FOLLOWS:

- CONSTRUCT WAYNE COUNTY PRIMARY 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 REPAIR WITH MINIMUM 2" HMA TOP (F) ON MINIMUM 10" NON-REINFORCED CONCRETE WC 35P MIX (3500 PSI AT 28 DAYS) AND INTEGRAL STRAIGHT
- CURB TYPE "4" AS PER WAYNE COUNTY STANDARDS DETAIL "RS-3" OR AS DIRECTED BY WAYNE COUNTY ENGINEER. TIE THE NEW PAVEMENT TO THE EXISTING PAVEMENT WITH #5 EPOXY COATED TIE BARS AT
- MAXIMUM 43-INCH ON CENTER LONGITUDINALLY AND AT 18-INCH ON CENTER TRANSVERSELY AS PER WAYNE COUNTY STANDARDS 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 WAYNE COUNTY ENGINEER.

4. ANY DAMAGED UNDERDRAIN AS A RESULT OF THIS PROJECT ACTIVITY SHALL BE RECONSTRUCTED AS PER WAYNE COUNTY DETAILS "S-14" OR AS DIRECTED BY THE WAYNE COUNTY ENGINEER.

5. ANY DAMAGED SIDEWALK AS A RESULT OF THIS PROJECT ACTIVITY SHALL BE RECONSTRUCTED AS PER WAYNE COUNTY DETAILS "RS-5" OR AS DIRECTED BY THE WAYNE COUNTY ENGINEER. MAINTAIN 2% MAXIMUM TRANSVERSE SLOPE ON THE SIDEWALK

6. ANY DAMAGED SIDEWALK AS A RESULT OF THIS PROJECT ACTIVITY SHALL BE RECONSTRUCTED AS PER WAYNE COUNTY DETAILS "RS-5" OR AS DIRECTED BY THE WAYNE COUNTY ENGINEER.

7. STRUCTURE ADJSUTMENT SHALL BE DETERMINED ON SITE BY THE WAYNE COUNTY ENGINEER.

8. THE CONTRACTRO IS RESPONSIBLE TO RESOLVE ANY WATER PONDING ISSUES AND MAINTAIN A POSTIVE FLOW ALONG THE GUTTER LINE WITHIN THE LIMIT OF THE PROJECT.

9. RELOCATE, RESTORE, OR REPLACE ANY TRAFFIC SIGNS THAT ARE AFFECTED BY CONSTRUCTION AS DIRECTED BY THE WAYNE COUNTY ENGINEER.

WAYNE COUNTY GENERAL NOTES

1. 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 2020 SPECIFICATIONS FOR CONSTRUCTION.

2. 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 (07/01/93) REVISED 12/15/2004.

3. 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 ABOVE GROUND UTILITIES.

4. 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 7 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.

5. 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 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.

6. 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 AND AS DIRECTED BY THE WAYNE COUNTY ENGINEER.

7. 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.

8. 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".

9. CONTRACTOR IS RESPONSIBLE FOR RESTROING OR REPLACING ALL DISTRUBRED 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'S ARE NOT PERMITTED WITHIN THE WAYNE COUNTY ROADS RIGHTS-OF-WAY.

16. CONTRACTOR SHOULD OBTAIN 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 AT LEAST 72 JOURS PRIOR TO START OF WORK AT OR NEAR ANY SIGNALIZED INTERSECTIONS.

18. CONTRACTOR SHALL NOTIFY WAYNE COUNTY 72 HOURS PRIOR TO START OF CONSTRUCTION. CONTACT THE PERMIT OFFICE AT (734) 858-2764.

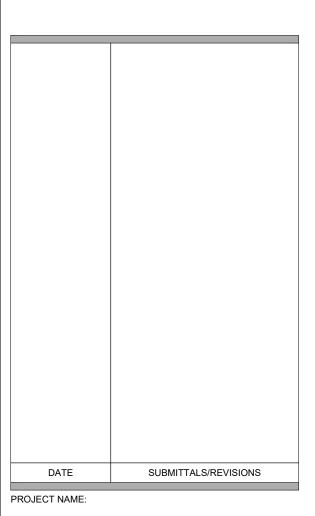


ANDERSON, ECKSTEIN AND WESTRICK, INC.

CIVIL ENGINEERS SURVEYORS ARCHITECTS 51301 Schoenherr Road Phone 586 726 1234

Fax 586 726 8780 Shelby Township Michigan 48315

www.aewinc.com ENGINEERING STRONG COMMUNITIES



VERNIER & MACK INTERSECTION **IMPROVEMENTS**

SHEET TITLE

NOTE SHEET

CLIENT **CITY OF GROSSE POINTE WOODS**

DRAWN BY: CHECKED BY: DATE: MAV APRIL 2023 SCALE: NONE



PROJECT NO.

Know what's below. Call 72 hours before you dig.

TUTY INFORMATION AS SHOWN INDICATES APPROXIMATE OCATIONS AND TYPES OF EXISTING FACILITIES ONLY. AS DISCLOSED BY RECORDS PROVIDED TO THIS FIRM FROM THE VARIOUS UTILITY COMPANIES. NO GUARANTEE IS GIVEN OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF.

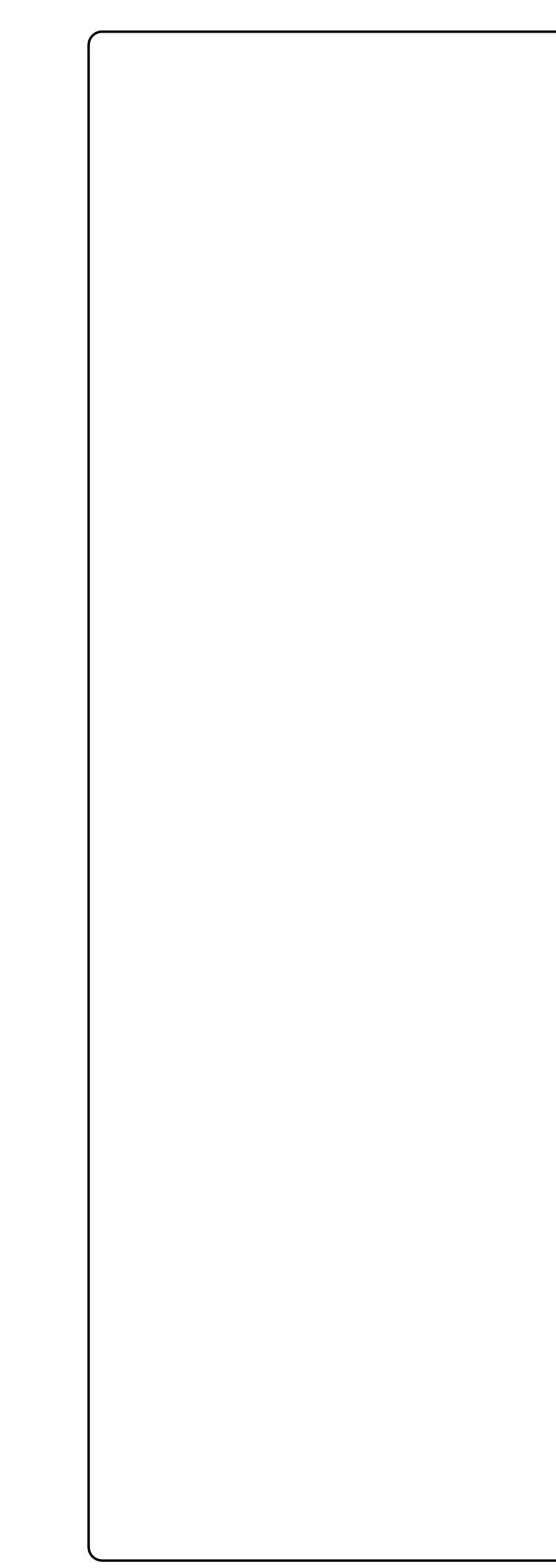
PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING OVERHEAD AND UNDERGROUND UTILITIES (IN ONFLICT WITH THE CONSTRUCTION OF THESE PROPOSED MPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. DURING THE CONSTRUCTION, THE CONTRACTOR SHALL PROTECT AND SUPPORT ALL UTILITIES THAT ARE ENCOUNTERED. (ALL COSTS FOR UTILITY LOCATION VERIFICATION. SUPPORT AND PROTECTION SHALL BE NCLUDED IN THE PROPOSED PAY ITEM CONFLICTING WITH THAT UTILITY).

URING CONSTRUCTION, THE CONTRACTOR SHALL USE XTREME CAUTION WHEN OPERATING NEAR ANY AND ALL VERHEAD AND / OR BURIED UTILITIES.

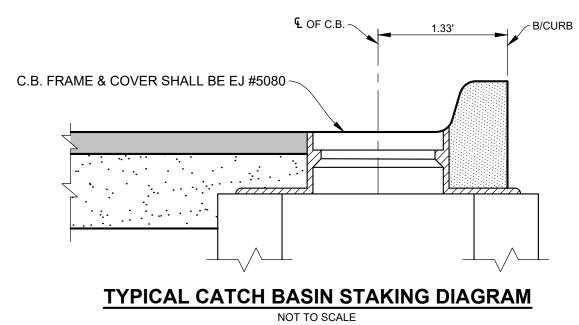
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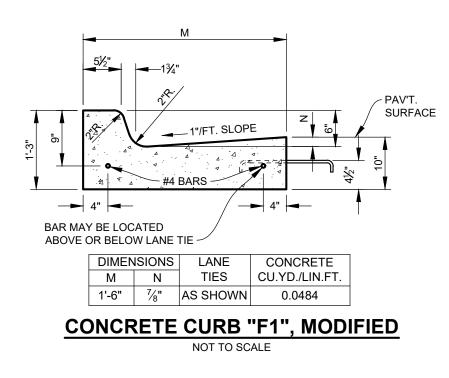
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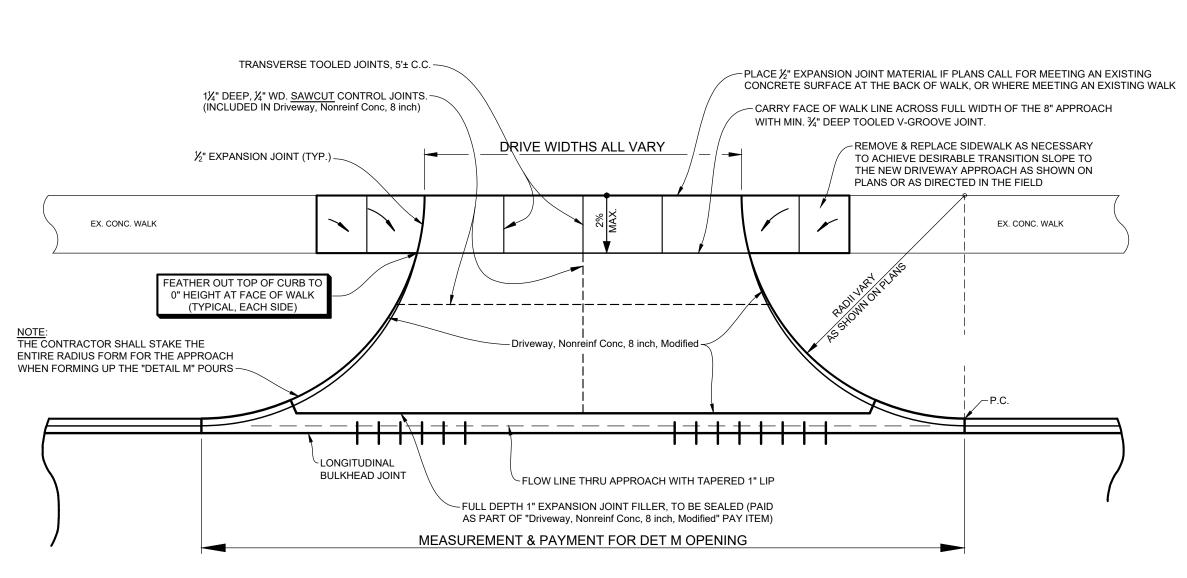








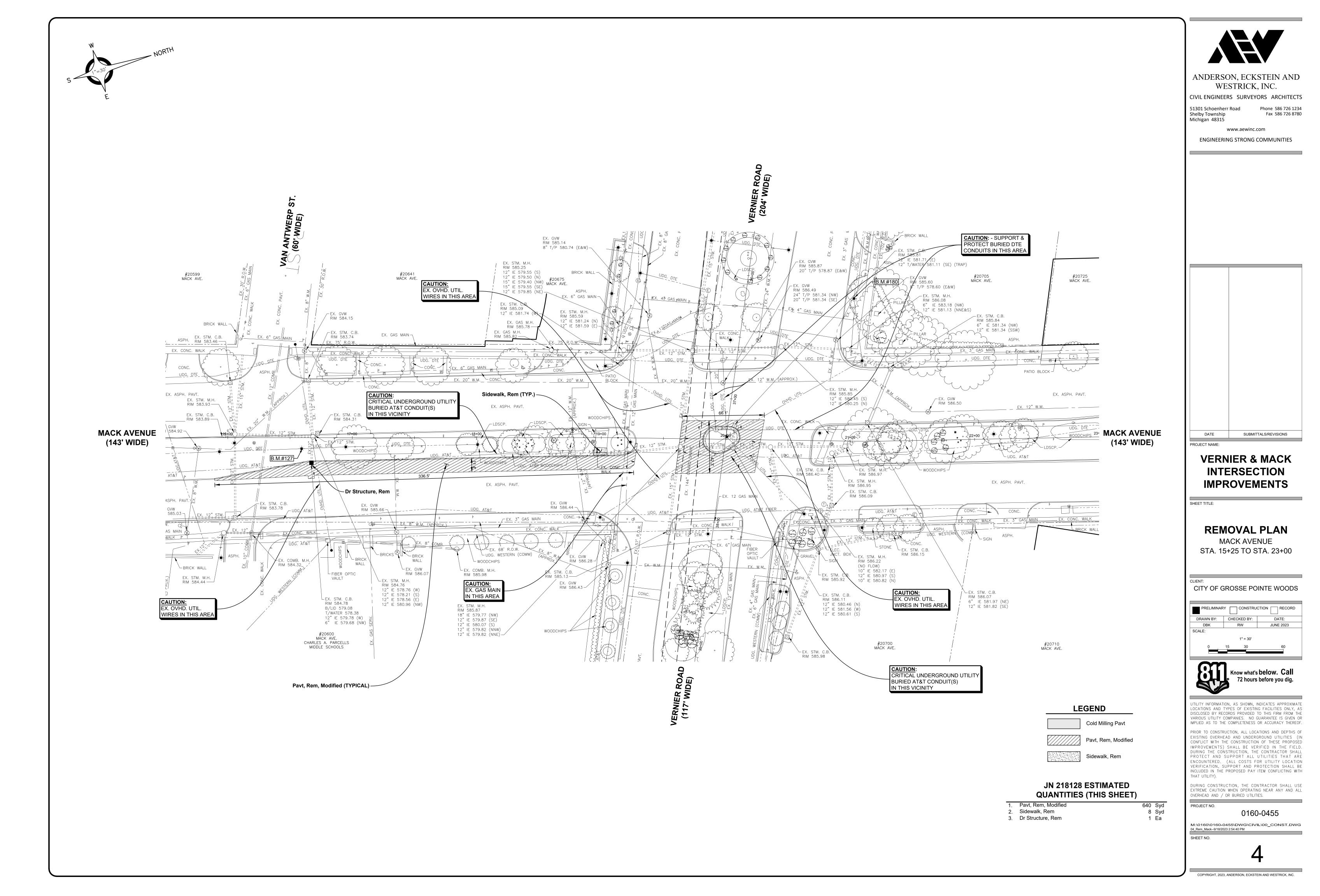


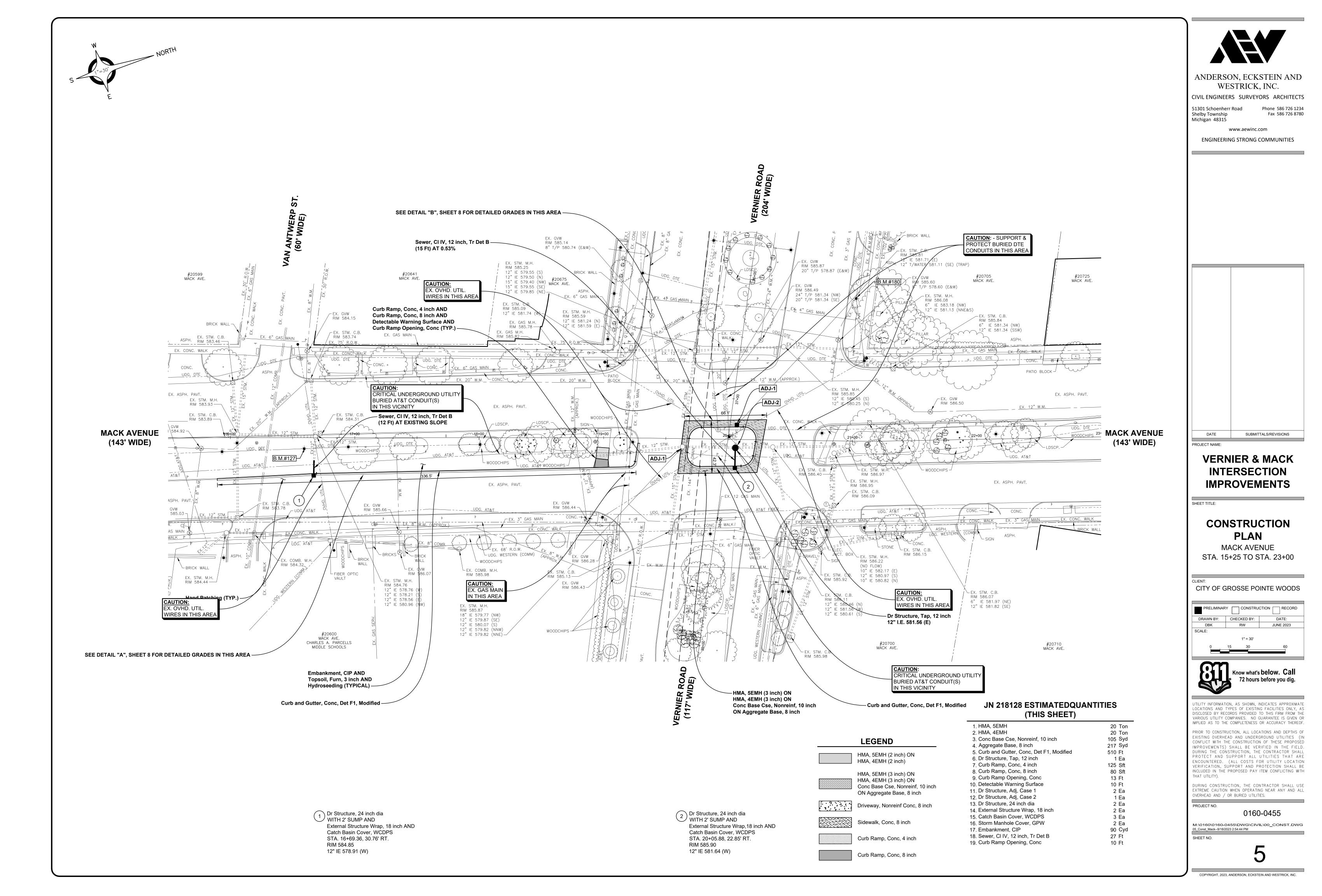


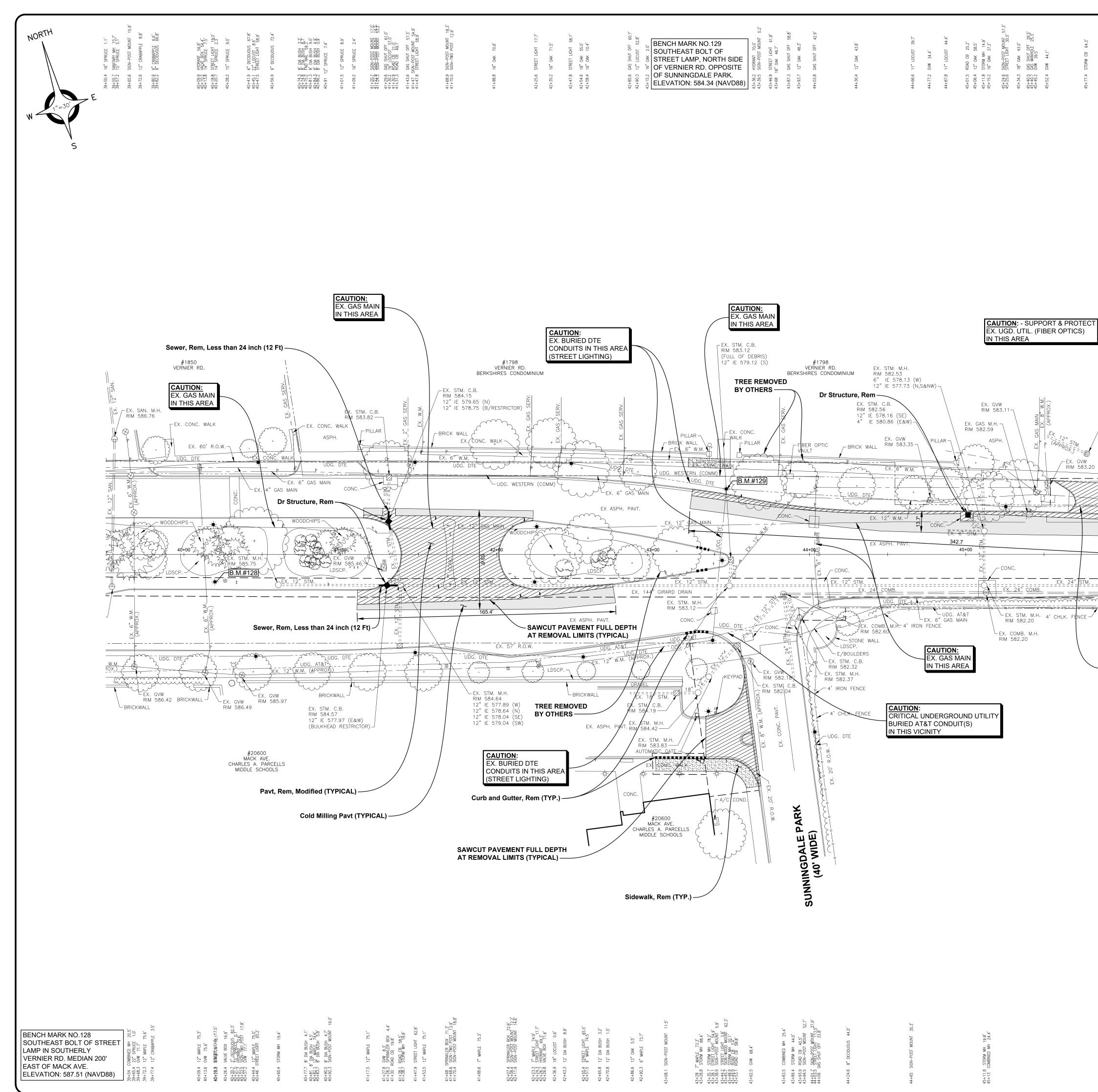
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TYPICAL COMMERCIAL DRIVE APPROACH

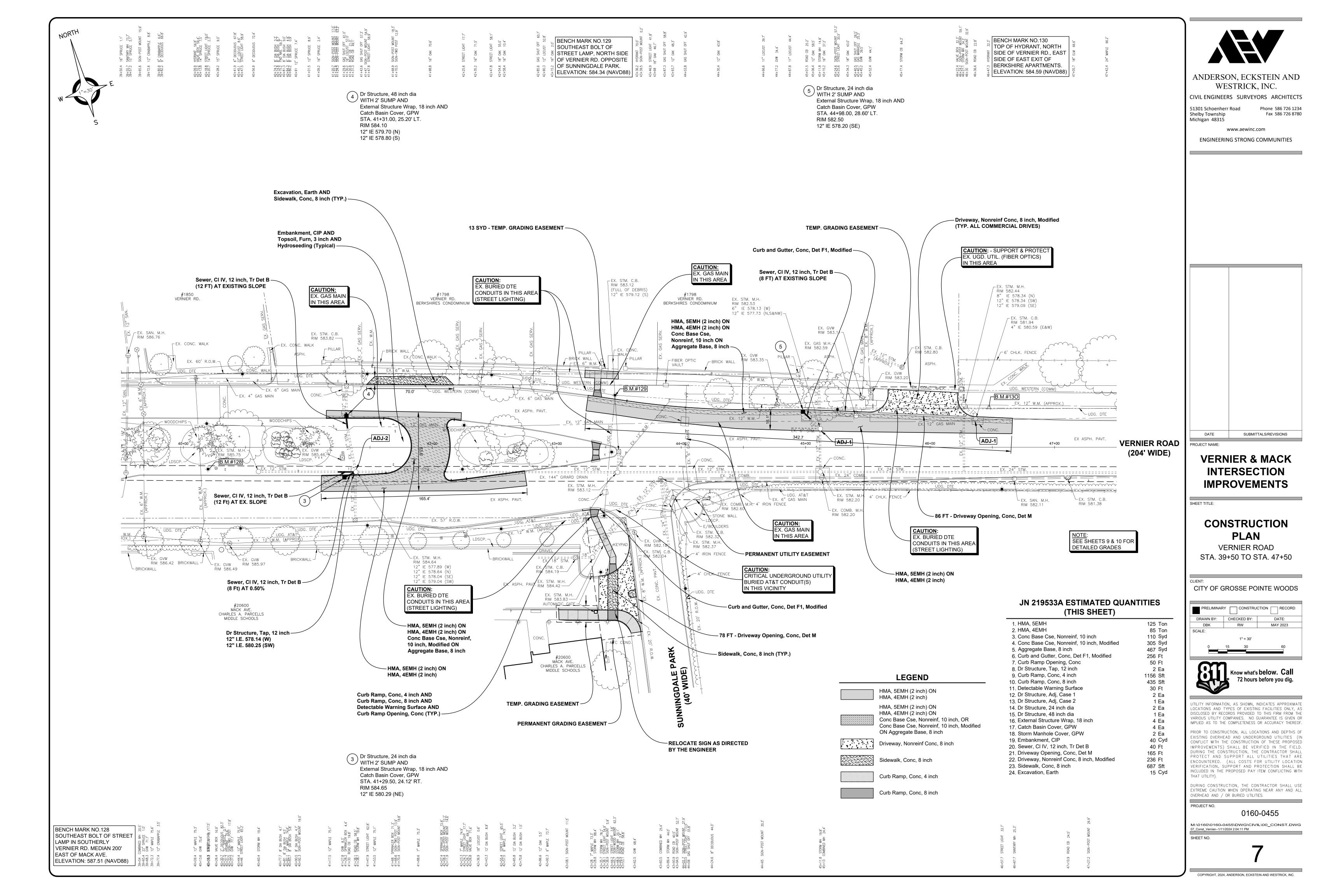
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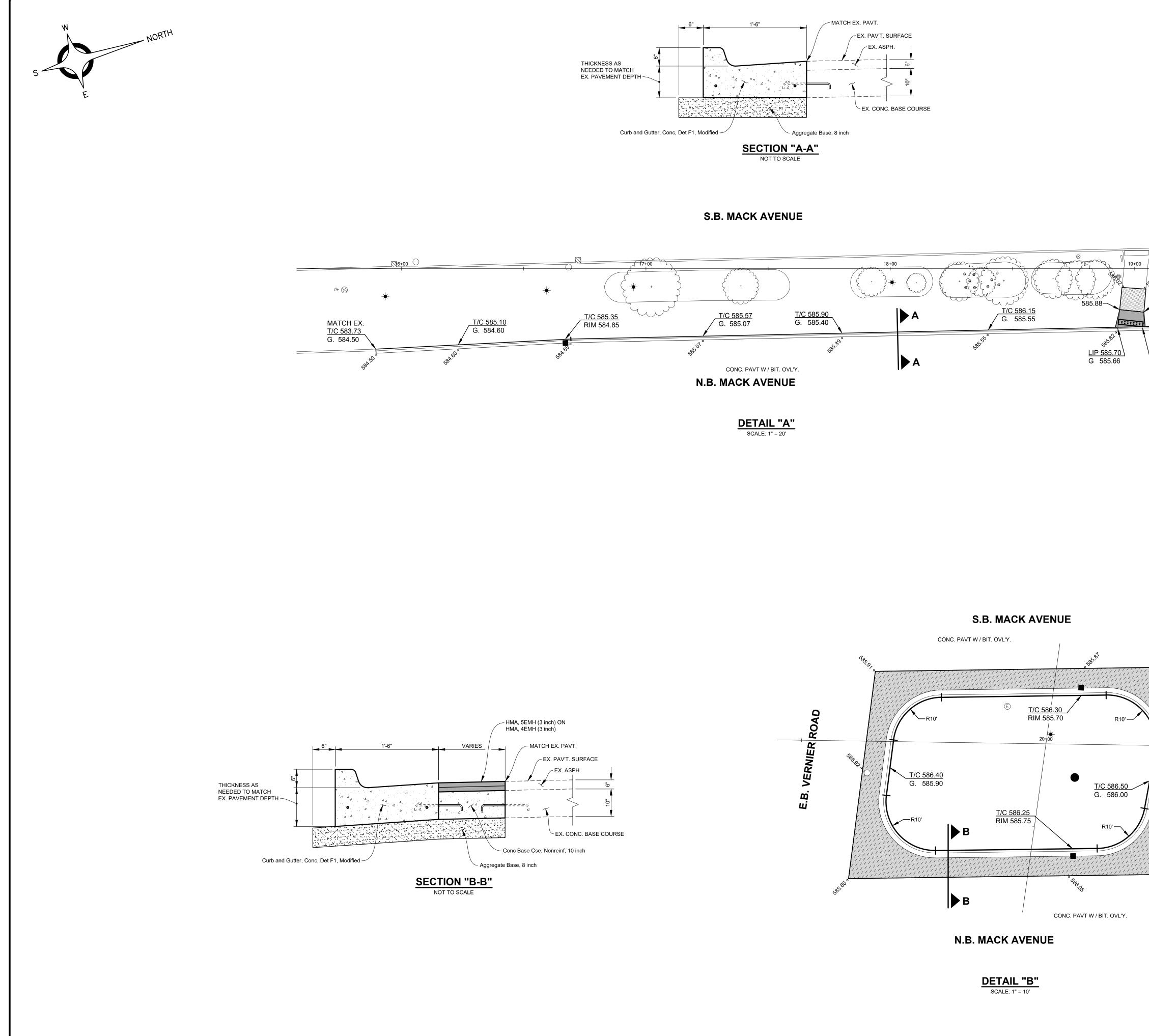


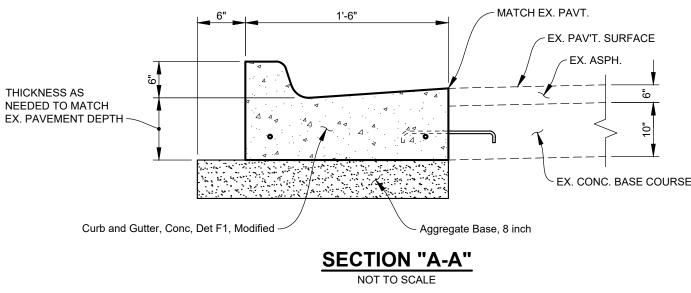


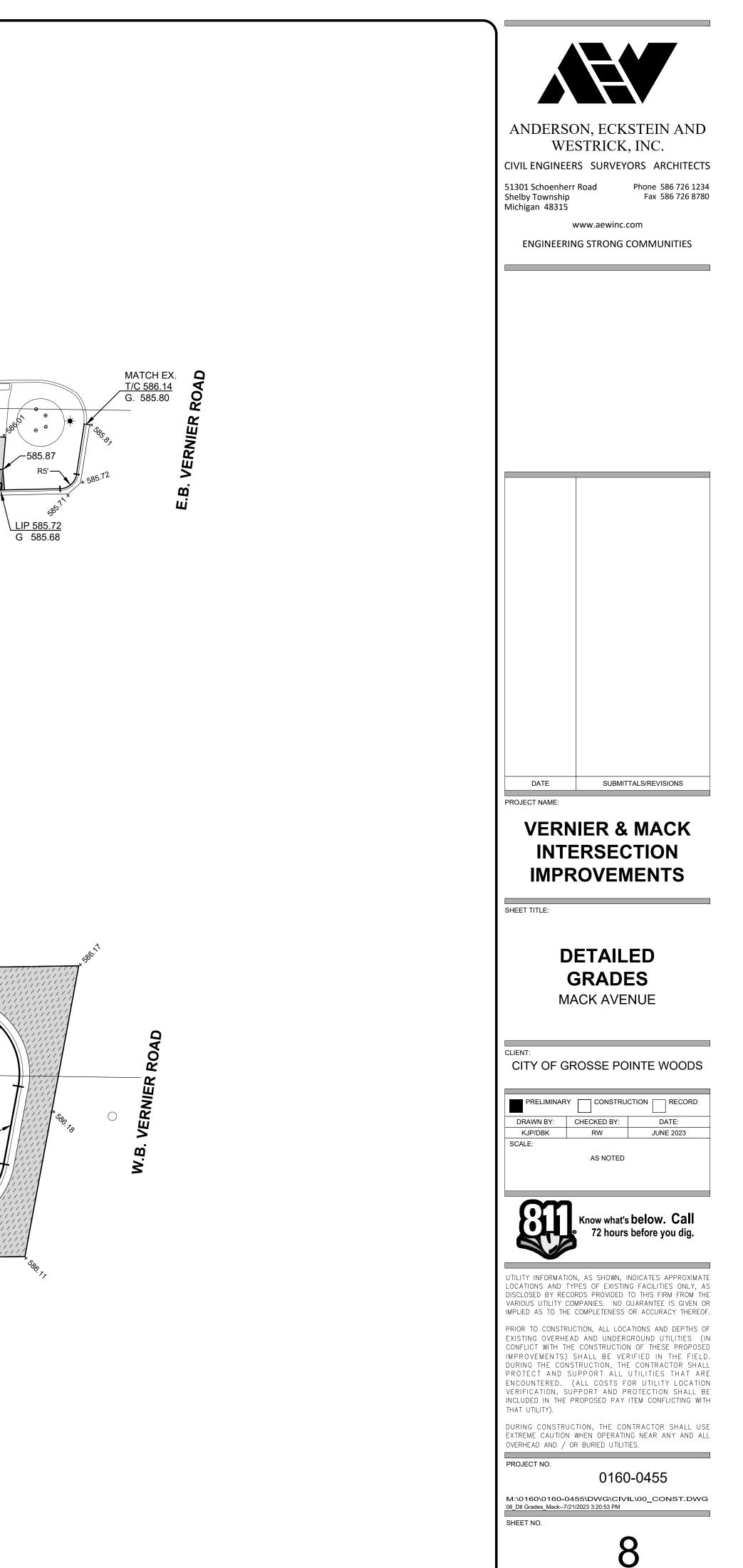


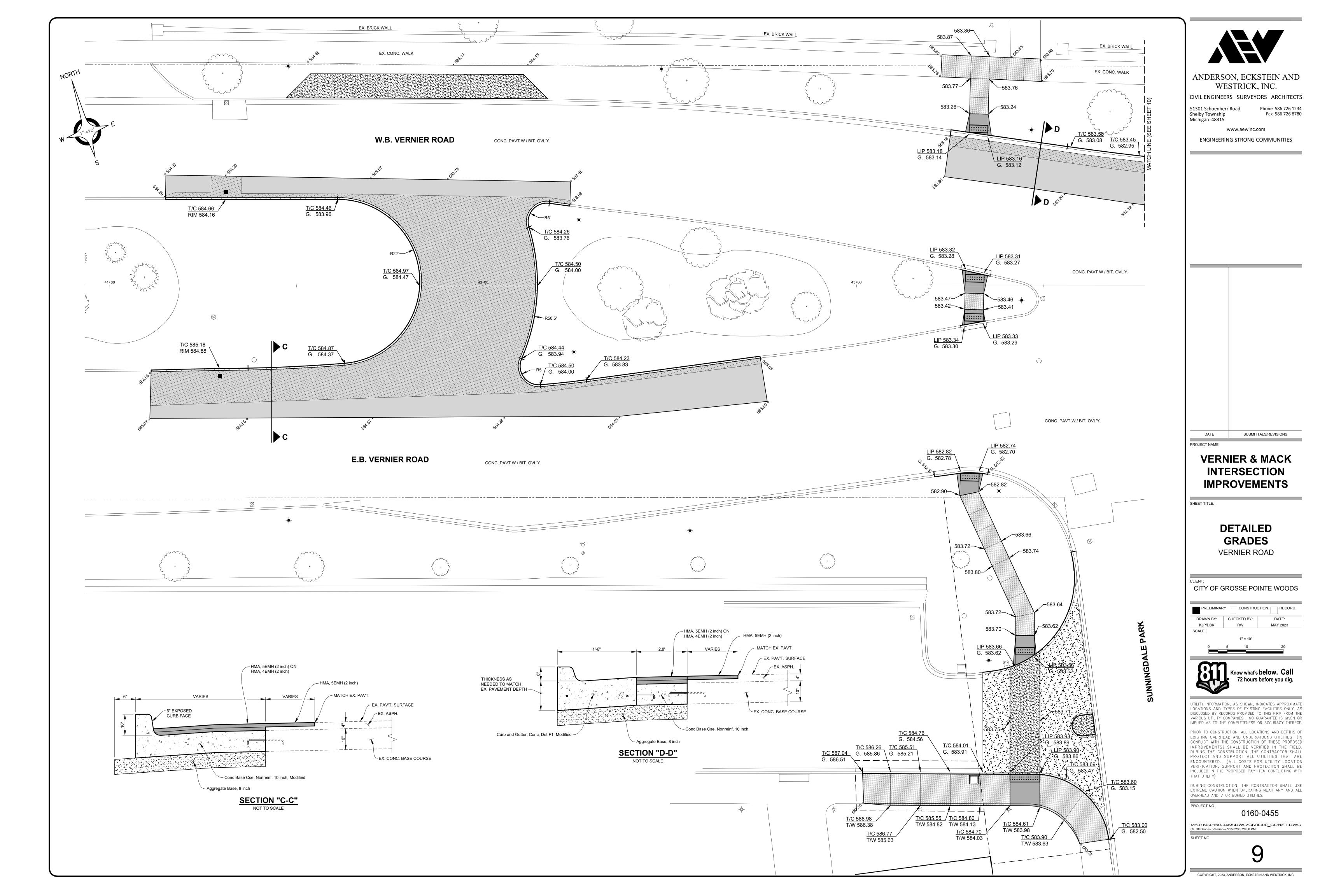
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RIM 582.11 RIM 581.38 CAUTION: EX. BURIED DTE CONDUITS IN THIS AREA (STREET LIGHTING)	REMOVAL PLAN VERNIER ROAD STA. 39+50 TO STA. 47+50
LEGEND Cold Milling Pavt Image: Cold Milling Pavt	CITY OF GROSSE POINTE WOODS PRELIMINARY CONSTRUCTION RECORD DRAWN BY: CHECKED BY: DATE: RW FEBRUARY 2023 SCALE: 1" = 30' 0 15 30 60 O 15 30 60 Know what's below. Call 72 hours before you dig.
JN 219533A ESTIMATED QUANTITIES (THIS SHEET)1.Pavt, Rem, Modified875Syd2.Sidewalk, Rem80Syd3.Dr Structure, Rem3Ea4.Sewer, Rem, Less than 24 inch24Ft5.Curb and Gutter, Rem62Ft6.Cold Milling Pavt573Syd	UTILITY INFORMATION, AS SHOWN, INDICATES APPROXIMATE LOCATIONS AND TYPES OF EXISTING FACILITIES ONLY, AS DISCLOSED BY RECORDS PROVIDED TO THIS FIRM FROM THE VARIOUS UTILITY COMPANIES. NO GUARANTEE IS GIVEN OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING OVERHEAD AND UNDERGROUND UTILITIES (IN CONFLICT WITH THE CONSTRUCTION OF THESE PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. DURING THE CONSTRUCTION, THE CONTRACTOR SHALL PROTECT AND SUPPORT ALL UTILITIES THAT ARE ENCOUNTERED. (ALL COSTS FOR UTILITY LOCATION VERIFICATION, SUPPORT AND PROTECTION SHALL BE INCLUDED IN THE PROPOSED PAY ITEM CONFLICTING WITH THAT UTILITY). DURING CONSTRUCTION, THE CONTRACTOR SHALL USE EXTERME CAULTON WHEN OPERATING NEAP ANY AND ALL
46+57.7 STREET LIGHT 33.7' 46+67.7 SANTARY MH 25.3' 46+67.7 SANTARY MH 25.3' 47+10.9 ROAD CB 24.5' 47+27.2 SIGN-POST MOUNT 26.9'	EXTREME CAUTION WHEN OPERATING NEAR ANY AND ALL OVERHEAD AND / OR BURIED UTILITIES. PROJECT NO. 0160-0455 M:\0160\0160-0455\DWG\CIVIL\00_CONST.DWG 06_Rem_Vernier1/11/2024 2:14:41 PM SHEET NO. 6 COPYRIGHT, 2024, ANDERSON, ECKSTEIN AND WESTRICK, INC.

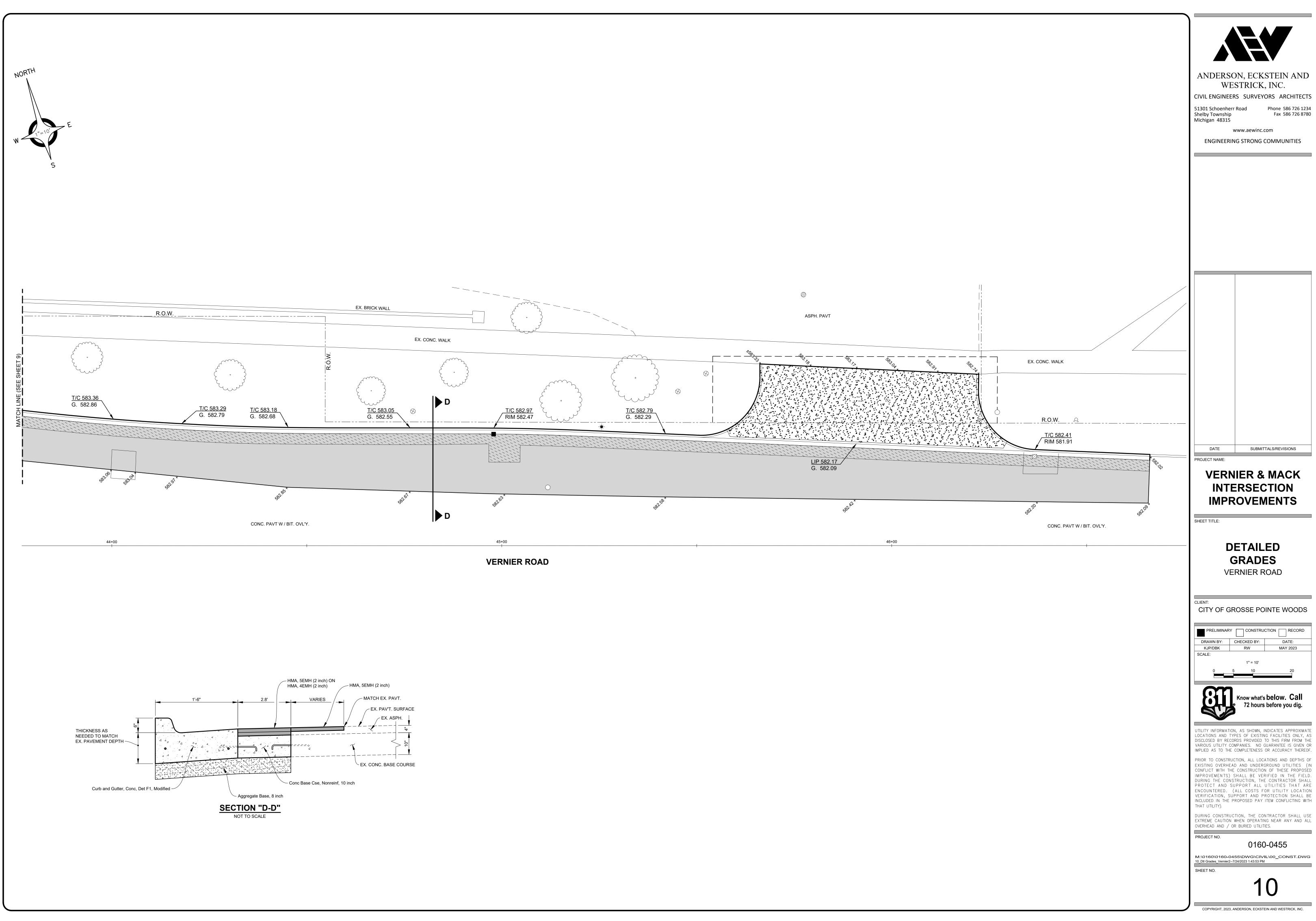


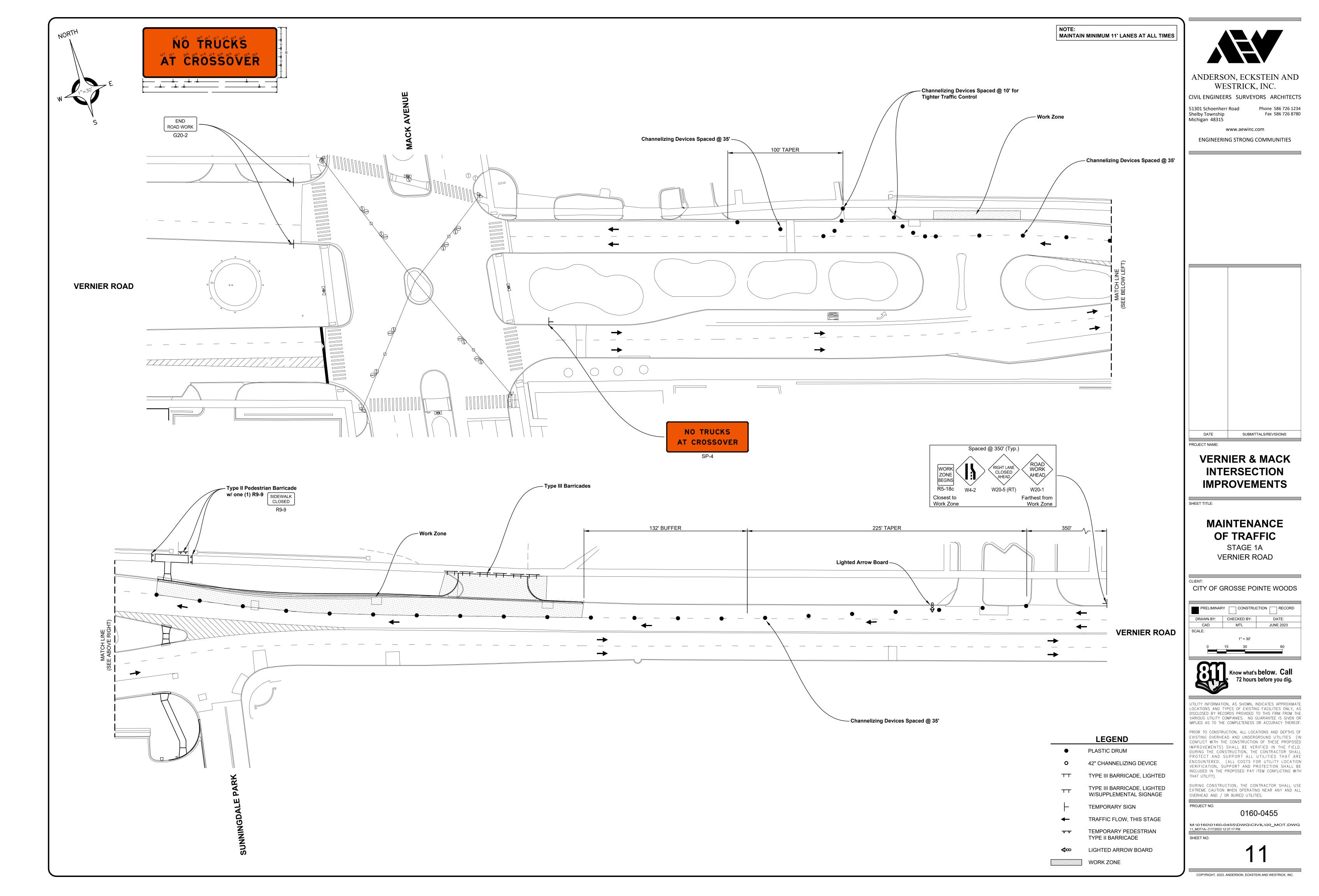


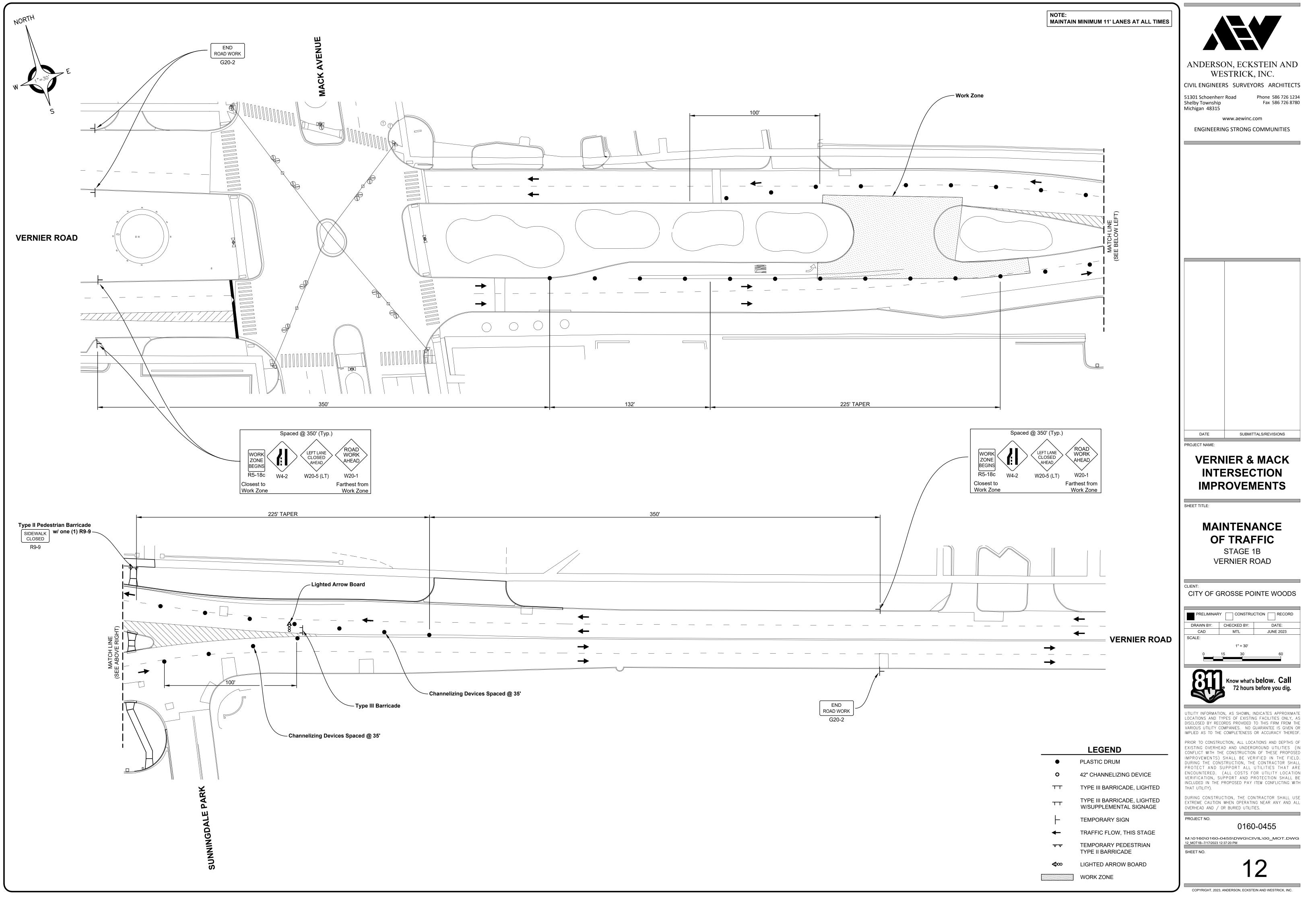


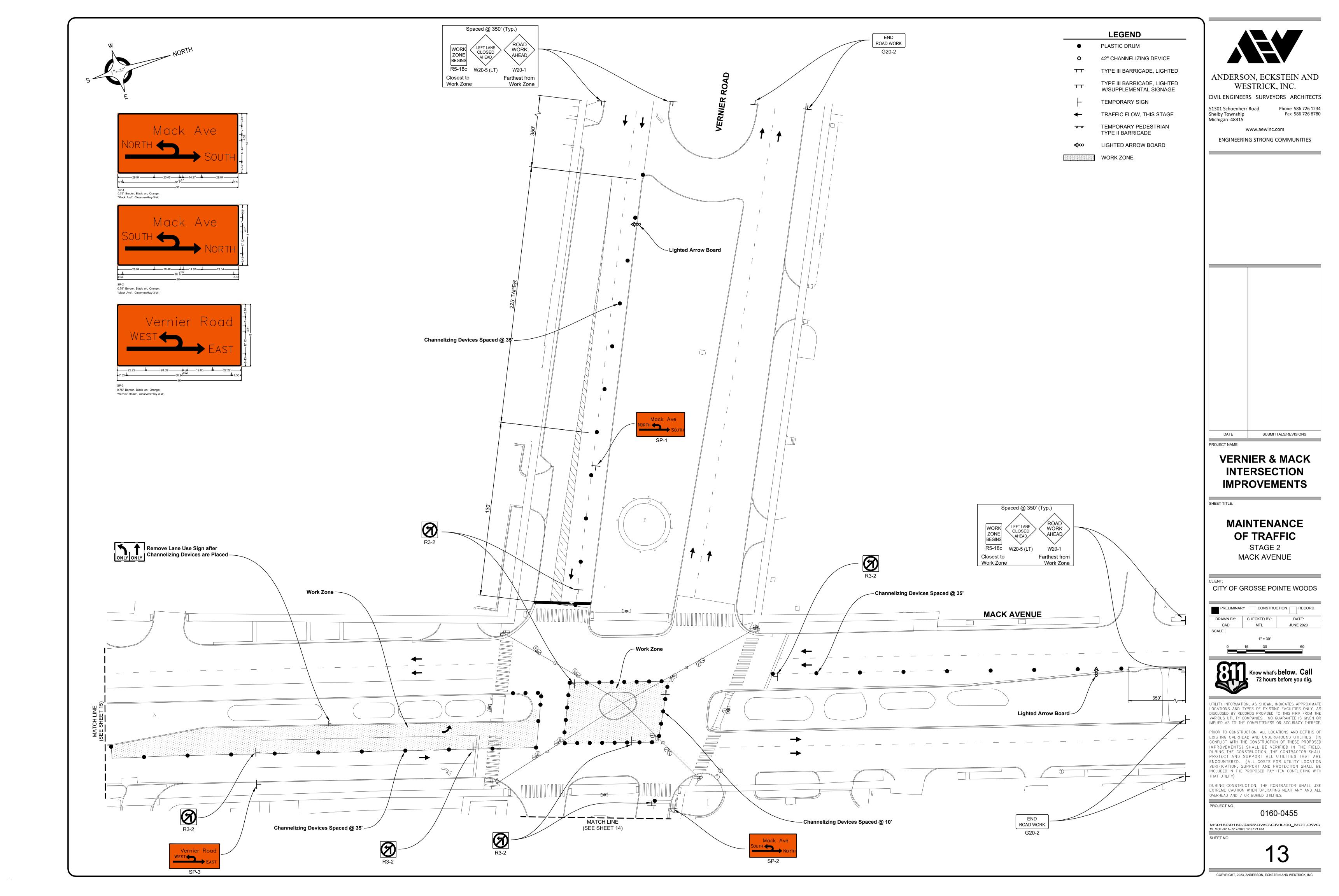


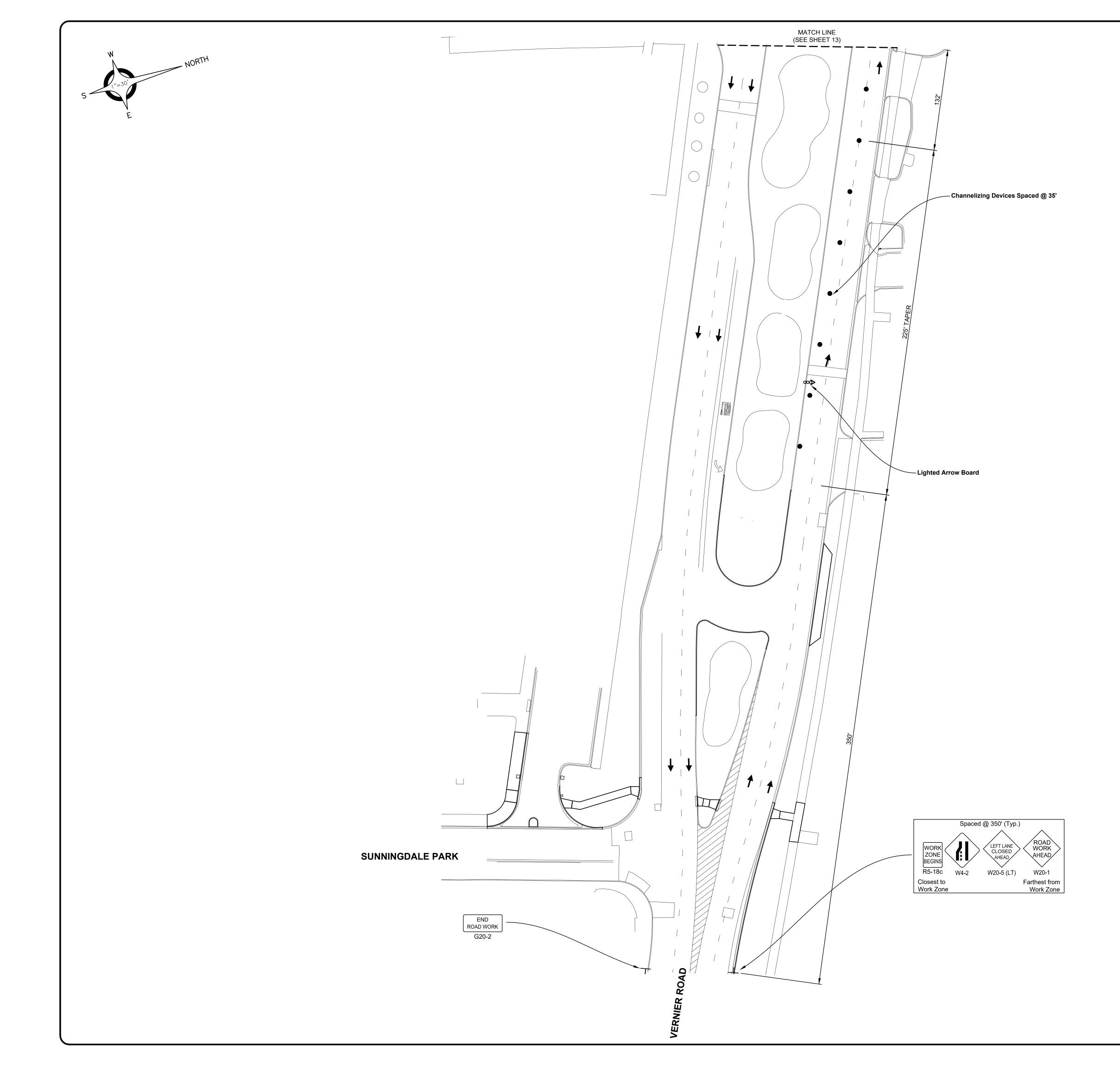


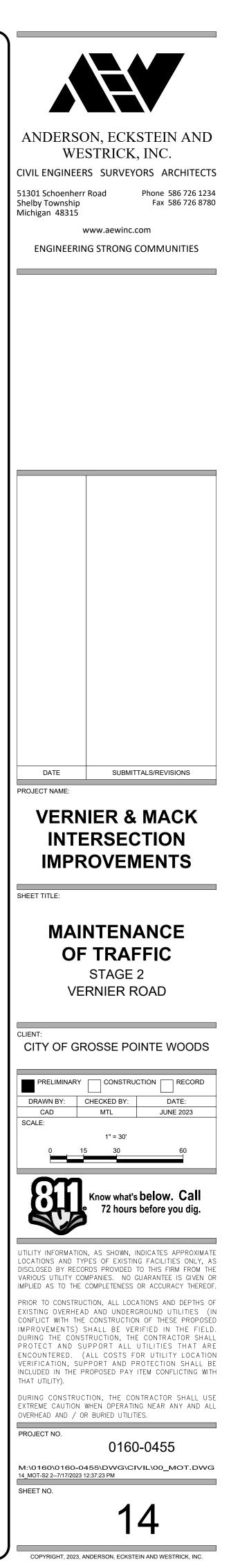






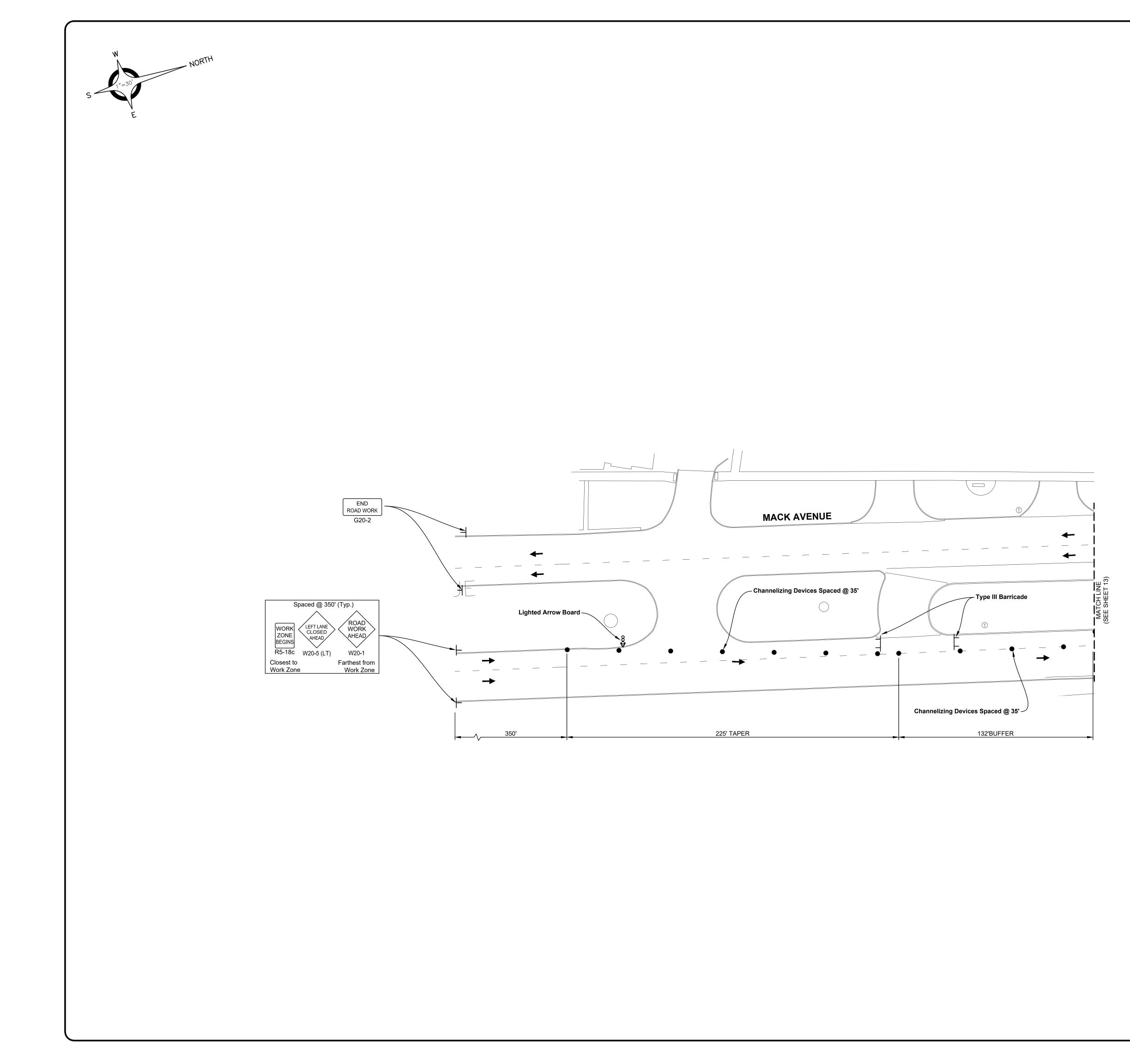






LEGEND

•	PLASTIC DRUM
0	42" CHANNELIZING DEVICE
TT	TYPE III BARRICADE, LIGHTED
TT	TYPE III BARRICADE, LIGHTED W/SUPPLEMENTAL SIGNAGE
F	TEMPORARY SIGN
←	TRAFFIC FLOW, THIS STAGE
$\overline{\mathbf{v}}$	TEMPORARY PEDESTRIAN TYPE II BARRICADE
\$∞	LIGHTED ARROW BOARD
	WORK ZONE



LEGEND PLASTIC DRUM 42" CHANNELIZING DEVICE TYPE III BARRICADE, LIGHTED

TTTYPE III BARRICADE, LIGHTED
W/SUPPLEMENTAL SIGNAGE-TEMPORARY SIGN

TRAFFIC FLOW, THIS STAGE
 TEMPORARY PEDESTRIAN

TYPE II BARRICADE

 IGHTED ARROW BOARD

 WORK ZONE

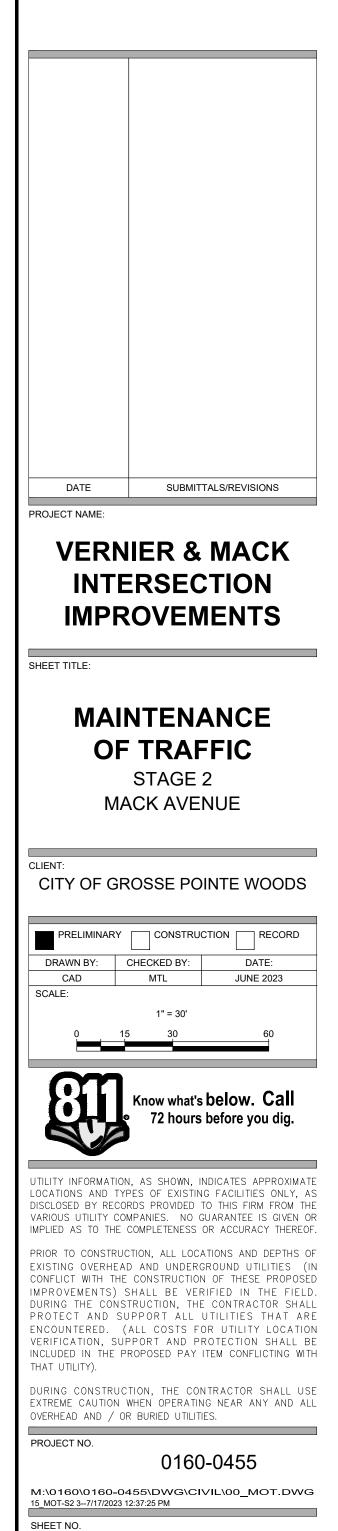


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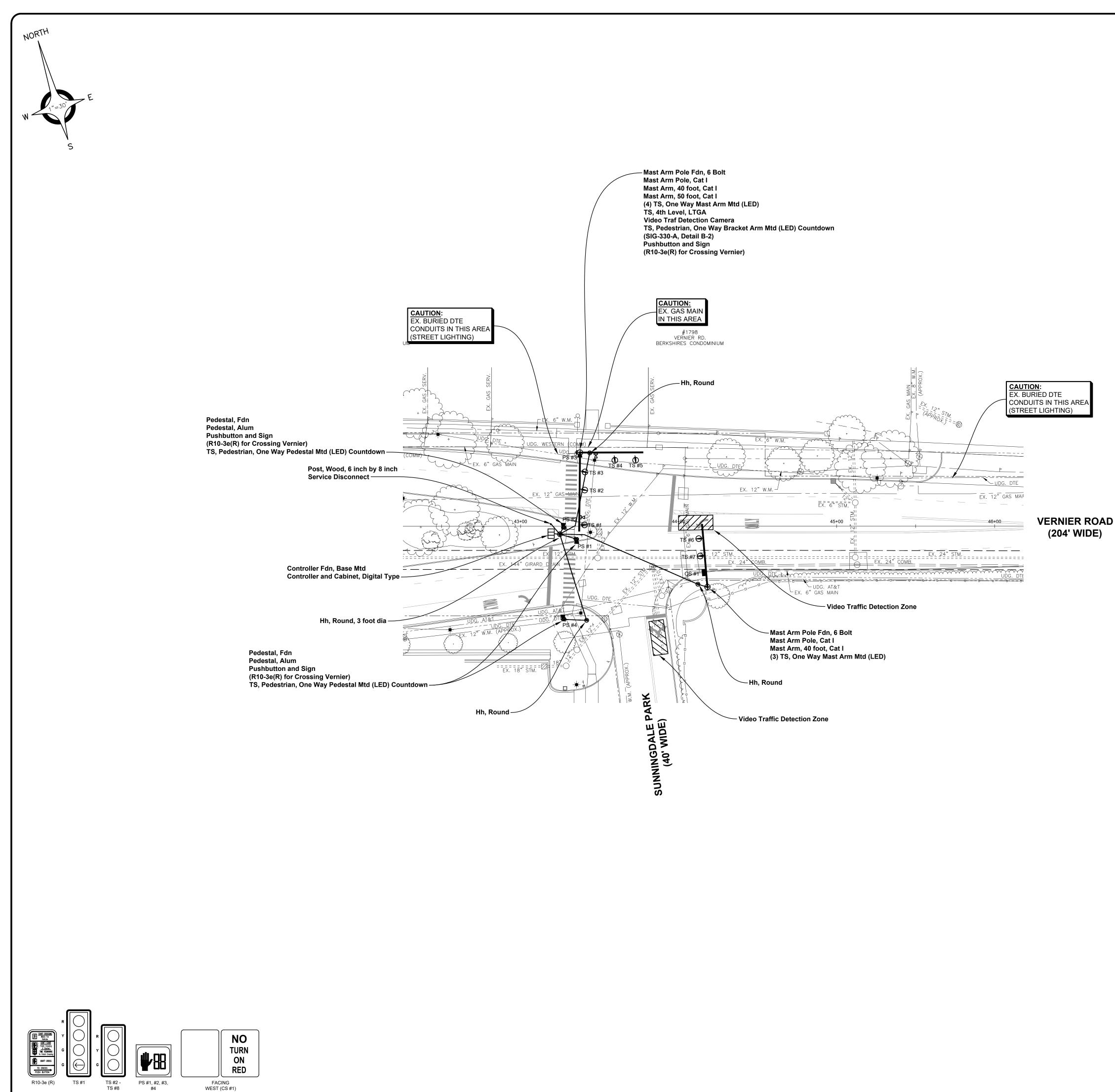
CIVIL ENGINEERS SURVEYORS ARCHITECTS 51301 Schoenherr Road Shelby Township Michigan 48315 Phone 586 726 1234 Fax 586 726 8780

n 48315 www.aewinc.com

ENGINEERING STRONG COMMUNITIES





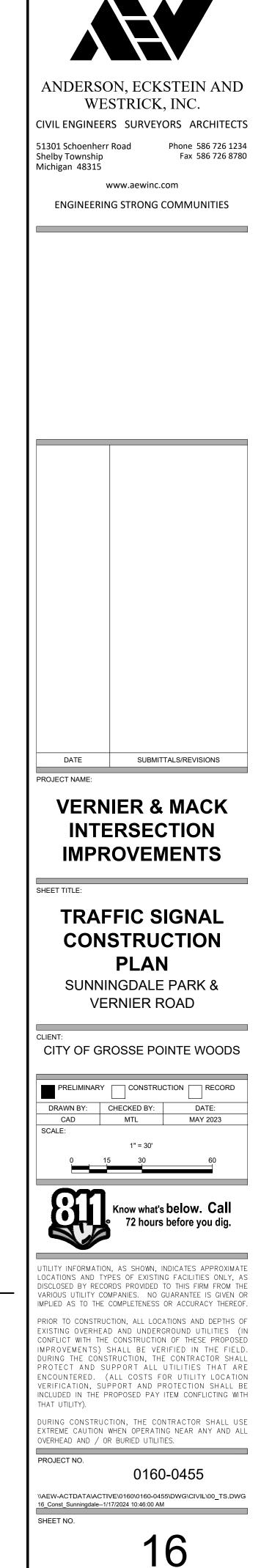


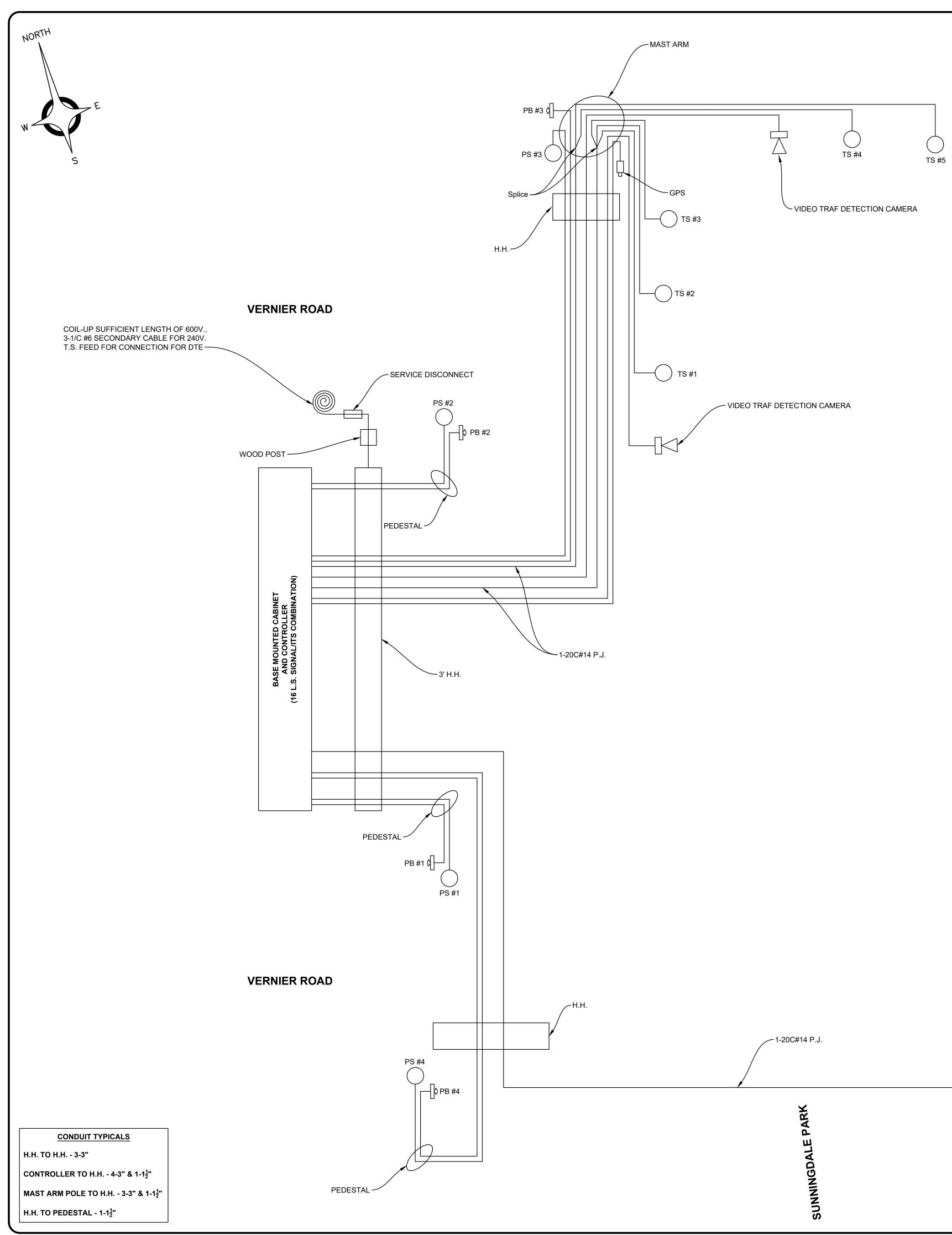
WEST (CS #1)

#4

JN 219533A ESTIMATED QUANTITIES (THIS SHEET)

1. Hh, Round	3 Ea
2. Hh, Round, 3 foot dia	1 Ea
3. Controller Fdn, Base Mtd	1 Ea
4. Global Positioning System Module	1 Ea
5. Pedestal, Alum	3 Ea
6. Pedestal, Fdn	3 Ea
7. Pushbutton and Sign	4 Ea
8. TS, 4th Level, LTGA	1 Ea
9. TS, Pedestrian, One Way Pedestal Mtd (LED) Countdown	3 Ea
10. TS, Pedestrian, One Way Bracket Arm Mtd (LED) Countdown	1 Ea
11. TS, One Way Mast Arm Mtd (LED)	6 Ea
12. Case Sign, Disappearing Legend, 24 inch by 30 inch	1 Ea
13. Video Traf Detection System	1 Ea
14. Video Traf Detection Camera	2 Ea
15. Backplate, TS	7 Ea
16. Mast Arm Pole, Cat I	2 Ea
17. Mast Arm, 40 foot, Cat I	2 Ea
18. Mast Arm, 50 foot, Cat I	1 Ea
19. Mast Arm Pole Fdn, 6 Bolt	30 Ft
20. Controller and Cabinet, Digital Type	1 Ea
21. Post, Wood, 6 inch by 8 inch	10 Ft
22. Service Disconnect	1 Ea
23. Cable, Sec, 600V, 1, 3/C #6	250 Ft





тѕ #6() TS #7 🔵 CS #1 H.H. 🔨 MAST ARM Splice -

CABLES TO BE USED UNLESS SPECIFIED OTHERWISE

- TRAFFIC SIGNAL CABLES ARE 7/C#14P.J.
 CASE SIGN CABLES ARE 7/C#14P.J.
- 3. PEDESTRIAN SIGNAL CABLES ARE 7/C#14P.J.
- 4. PUSHBUTTON CABLES ARE 2/C#16 SHIELDED P.J.
- 5. GPS MODULE CABLES ARE 600V 1-8/C#28 FOIL SHIELDED 6. CABLE TO VIDEO CAMERA TO BE COMBINED COAXIAL/POWER CABLE
- R6 59-3 CONDUCTOR 16 AWG, CAT 6 FTP, OR APPROVED EQUAL

PROPOSED SIGNAL PHASING

Ø	$\otimes _{A}$	IF CALLED	Ø B	IF CALLED
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ANDERSON, ECKSTEIN AND WESTRICK, INC.

CIVIL ENGINEERS SURVEYORS ARCHITECTS 51301 Schoenherr Road Phone 586 726 1234

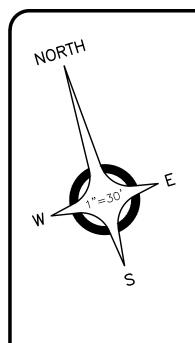
Shelby Township Michigan 48315 Fax 586 726 8780

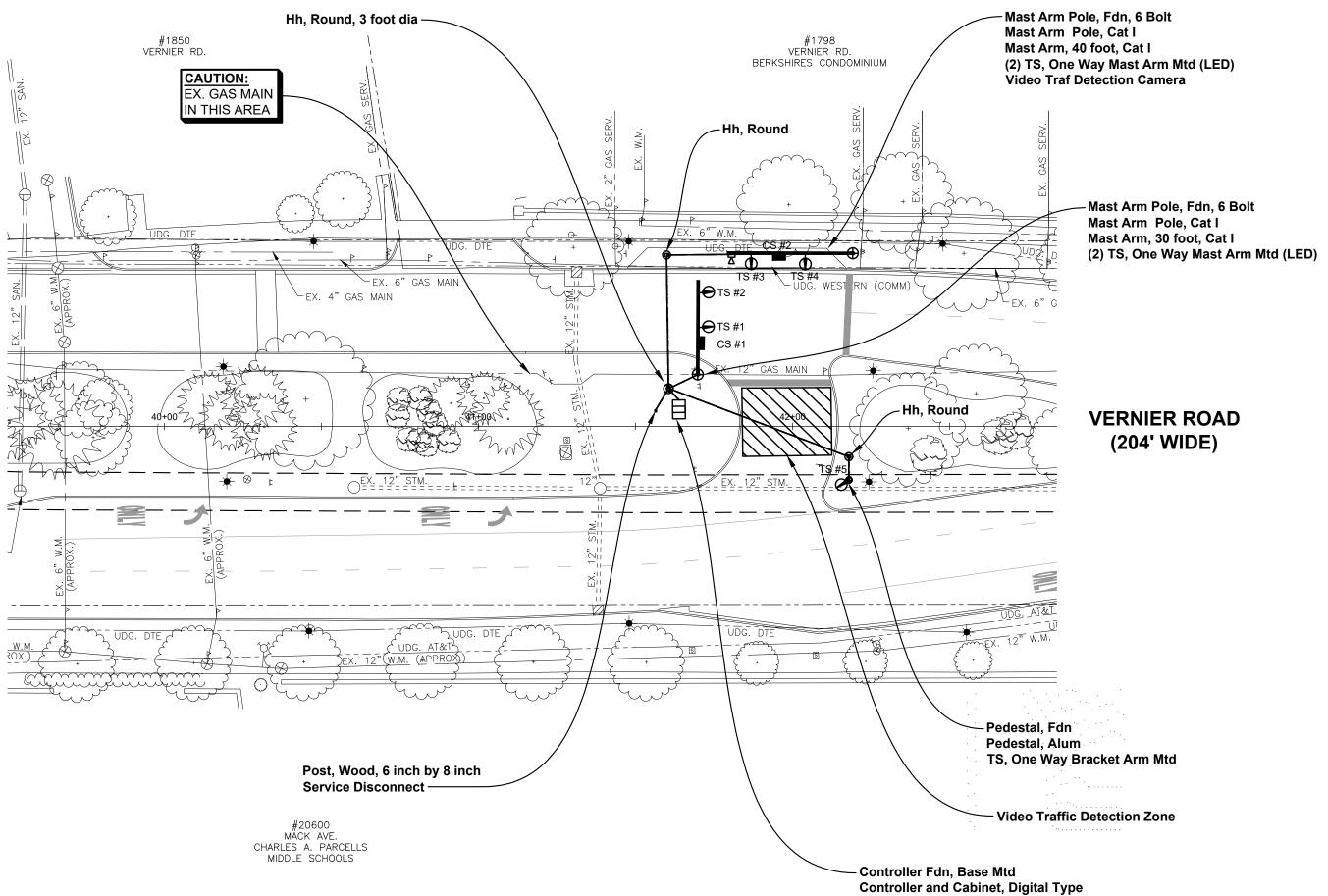
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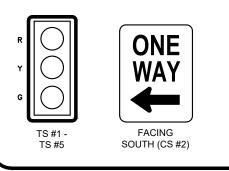
DATE	SUBMITTALS/REVISIONS
PROJECT NAME:	
	NIER & MACK ERSECTION
IMPI	ROVEMENTS
SHEET TITLE:	
SUNN	NG DIAGRAM
	NINGDALE PARK & ERNIER ROAD
SUNN V CLIENT: CITY OF G PRELIMINAR DRAWN BY:	
SUNN V CLIENT: CITY OF G PRELIMINAR DRAWN BY: CAD	SROSSE POINTE WOOD
SUNN V CLIENT: CITY OF G PRELIMINAR DRAWN BY: CAD SCALE: UTILITY INFORMATI LOCATIONS AND DISCLOSED BY REC VARIOUS UTILITY OF	SROSSE POINTE WOOD
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JN 219533A ESTIMATED QUANTITIES (THIS SHEET)

 Conduit, Directional Bore, 3,3 inch Conduit, DB, 1, 1 1/2 inch Conduit, DB, 3, 3 inch Conduit, DB, 4, 3 inch 	215 Ft 35 Ft 15 Ft 5 Ft	17
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CIVIL ENGINEERS SURVEYORS ARCHITECTS
51301 Schoenherr Road Phone 586 726 1234 Shelby Township Fax 586 726 8780 Michigan 48315 Fax
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DATE SUBMITTALS/REVISIONS PROJECT NAME:
VERNIER & MACK
INTERSECTION IMPROVEMENTS
SHEET TITLE: TRAFFIC SIGNAL
CONSTRUCTION
CROSSOVER & VERNIER ROAD
CITY OF GROSSE POINTE WOODS
PRELIMINARY CONSTRUCTION RECORD DRAWN BY: CHECKED BY: DATE:
CAD MTL MAY 2023 SCALE:
1" = 30' 0 15 30 60
Know what's below. Call 72 hours before you dig.
UTILITY INFORMATION, AS SHOWN, INDICATES APPROXIMATE
LOCATIONS AND TYPES OF EXISTING FACILITIES ONLY, AS DISCLOSED BY RECORDS PROVIDED TO THIS FIRM FROM THE VARIOUS UTILITY COMPANIES. NO GUARANTEE IS GIVEN OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF.
PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING OVERHEAD AND UNDERGROUND UTILITIES (IN CONFLICT WITH THE CONSTRUCTION OF THESE PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD.
DURING THE CONSTRUCTION, THE CONTRACTOR SHALL PROTECT AND SUPPORT ALL UTILITIES THAT ARE ENCOUNTERED. (ALL COSTS FOR UTILITY LOCATION
VERIFICATION, SUPPORT AND PROTECTION SHALL BE INCLUDED IN THE PROPOSED PAY ITEM CONFLICTING WITH THAT UTILITY).
DURING CONSTRUCTION, THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN OPERATING NEAR ANY AND ALL OVERHEAD AND / OR BURIED UTILITIES.
PROJECT NO.
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\\AEW-ACTDATA\ACTIVE\0160\0160-0455\DWG\CIVIL\00_TS.DWG

(THIS SHEET)		
1. Hh, Round	2 Ea	
2. Hh, Round, 3 foot dia	1 Ea	
3. Serv Disconnect	1 Ea	
4. Controller Fdn, Base Mtd	1 Ea	
5. Global Positioning System Module	1 Ea	
6. Pedestal, Alum	1 Ea	
7. Pedestal, Fdn	1 Ea	
8. TS, One Way Bracket Arm Mtd (LED)	1 Ea	
9. TS, One Way Mast Arm Mtd (LED)	4 Ea	
10. Case Sign (LED), One Way, 24 inch by 30 inch	2 Ea	
11. Video Traf Detection System	1 Ea	
12. Video Traf Detection Camera	1 Ea	
13. Backplate, TS	5 Ea	
14. Mast Arm Pole, Cat I	2 Ea	
15. Mast Arm, 30 foot, Cat I	1 Ea	
40 Maat Arma 40 fact Cat I	4 =	

1 Ea

30 Ft

1 Ea

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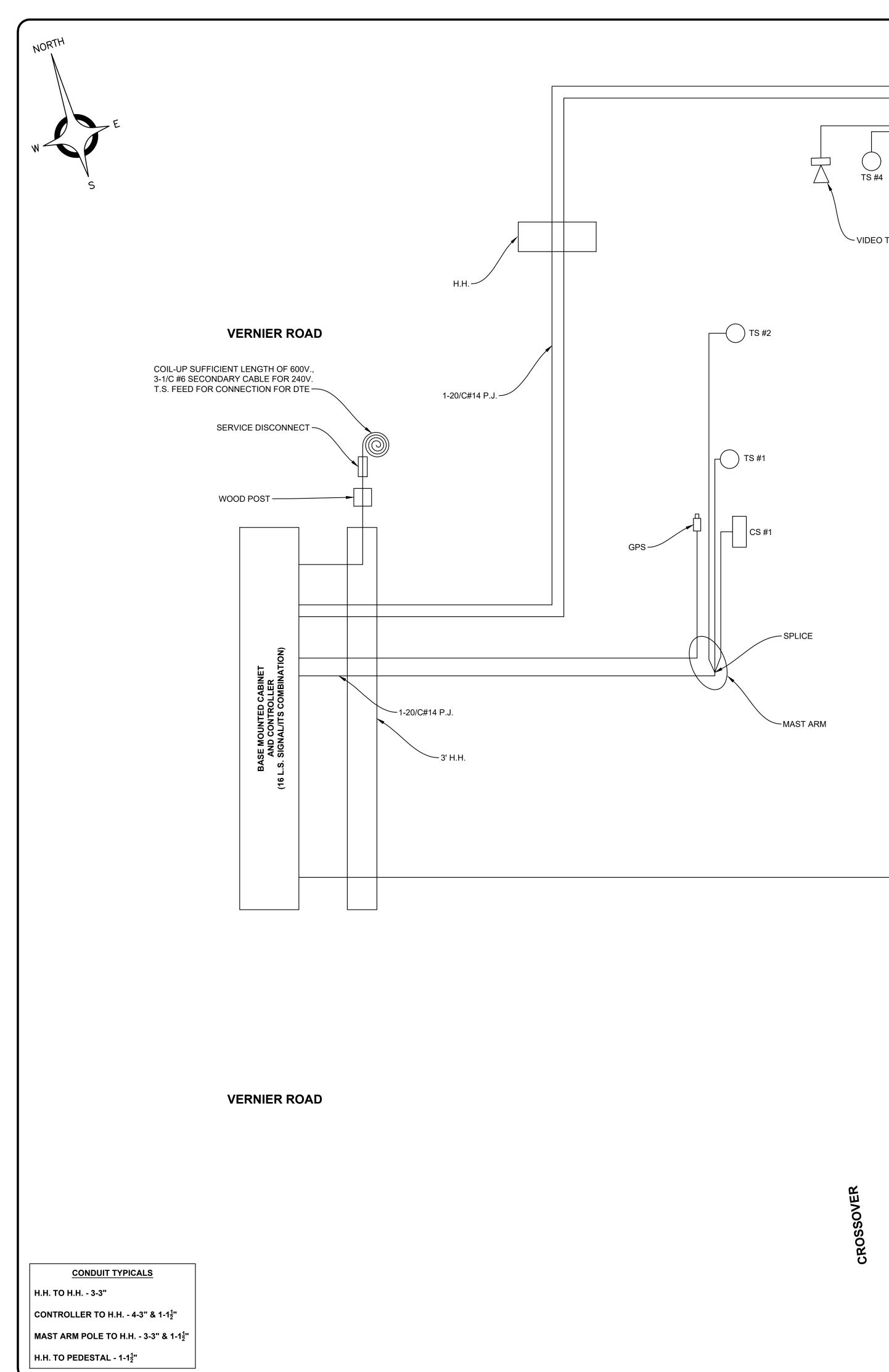
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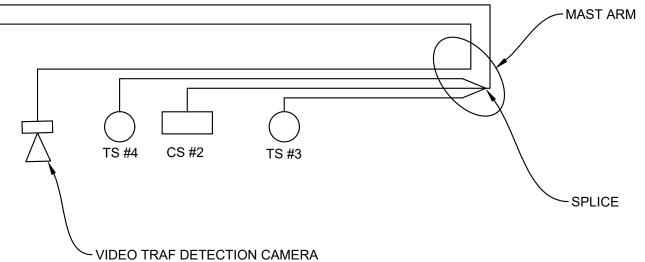
JN 219533A ESTIMATED QUANTITIES

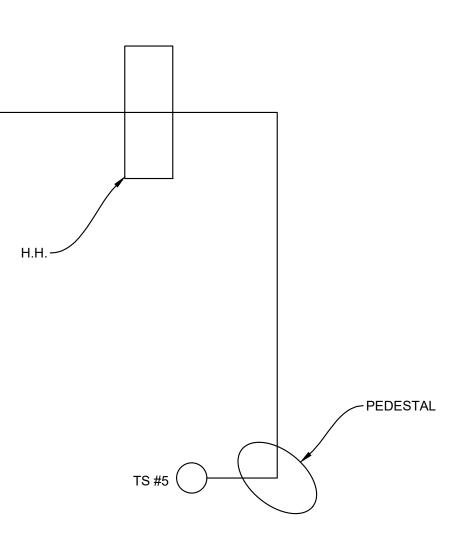
11. Video

- 12. Video Traf Detection Camera 13. Backplate, TS
- 14. Mast Arm Pole, Cat I

- 15. Mast Arm, 30 foot, Cat I
- 16. Mast Arm, 40 foot, Cat I
- 17. Mast Arm Pole Fdn, 6 Bolt
- 18. Controller and Cabinet, Digital Type
- 19. Post, Wood, 6 inch by 8 inch 20. Cable, Sec, 600V, 1, 3/C #6



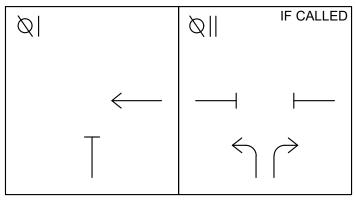




CABLES TO BE USED UNLESS SPECIFIED OTHERWISE

- TRAFFIC SIGNAL CABLES ARE 7/C#14P.J.
 CASE SIGN CABLES ARE 7/C#14P.J.
- 3. PEDESTRIAN SIGNAL CABLES ARE 7/C#14P.J. 4. PUSHBUTTON CABLES ARE 2/C#16 SHIELDED P.J.
- 5. GPS MODULE CABLES ARE 600V 1-8/C#28 FOIL SHIELDED
- 6. CABLE TO VIDEO CAMERA TO BE COMBINED COAXIAL/POWER CABLE R6 59-3 CONDUCTOR 16 AWG, CAT 6 FTP, OR APPROVED EQUAL

PROPOSED SIGNAL PHASING





ANDERSON, ECKSTEIN AND WESTRICK, INC.

CIVIL ENGINEERS SURVEYORS ARCHITECTS

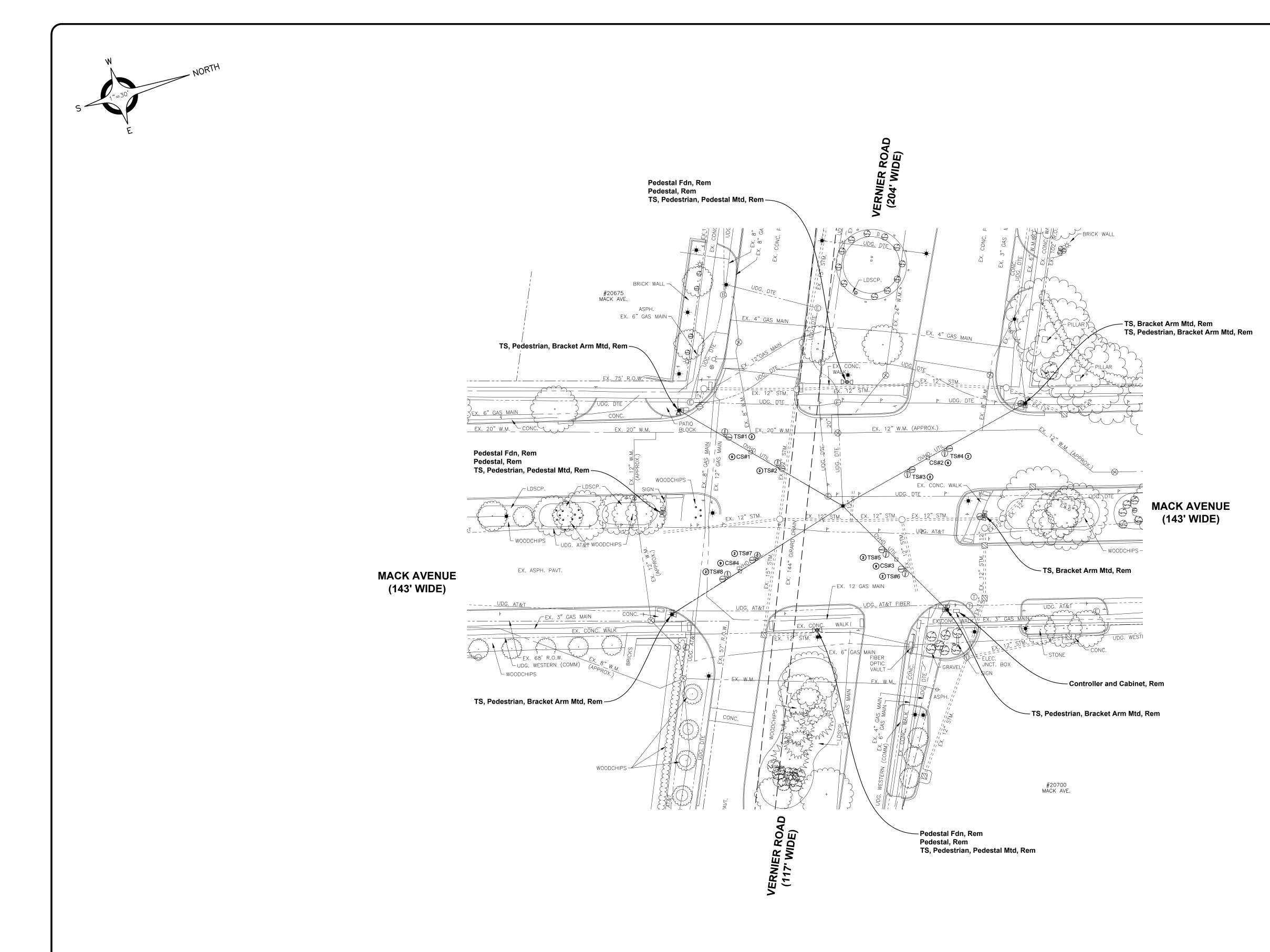
Phone 586 726 1234 Fax 586 726 8780 51301 Schoenherr Road Shelby Township Michigan 48315

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DATE	SUBMITTALS/REVISIONS
	IIER & MACK ERSECTION
IMPR	OVEMENTS
SHEET TITLE:	
WIRIN	NG DIAGRAM OVER & VERNIER
WIRIN	
WIRIN CROSS	OVER & VERNIER ROAD
WIRIN CROSS	OVER & VERNIER ROAD
CROSS CROSS	OVER & VERNIER ROAD
WIRIN CROSS	
CROSS	OVER & VERNIER ROAD
CROSS	OVER & VERNIER ROAD
CLIENT: CITY OF GR PRELIMINARY DRAWN BY: CAD SCALE: 0 CAD SCALE:	OVER & VERNIER ROAD
CROSS CROSS	OVER & VERNIER ROAD
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JN 219533A ESTIMATED QUANTITIES (THIS SHEET)

1. Conduit, Directional Bore, 3,3 inch	115 Ft	40
2. Conduit, DB, 1, 1 1/2 inch	75 Ft	10
3. Conduit, DB, 3, 3 inch	65 Ft	13
4. Conduit, DB, 4, 3 inch	5 Ft	
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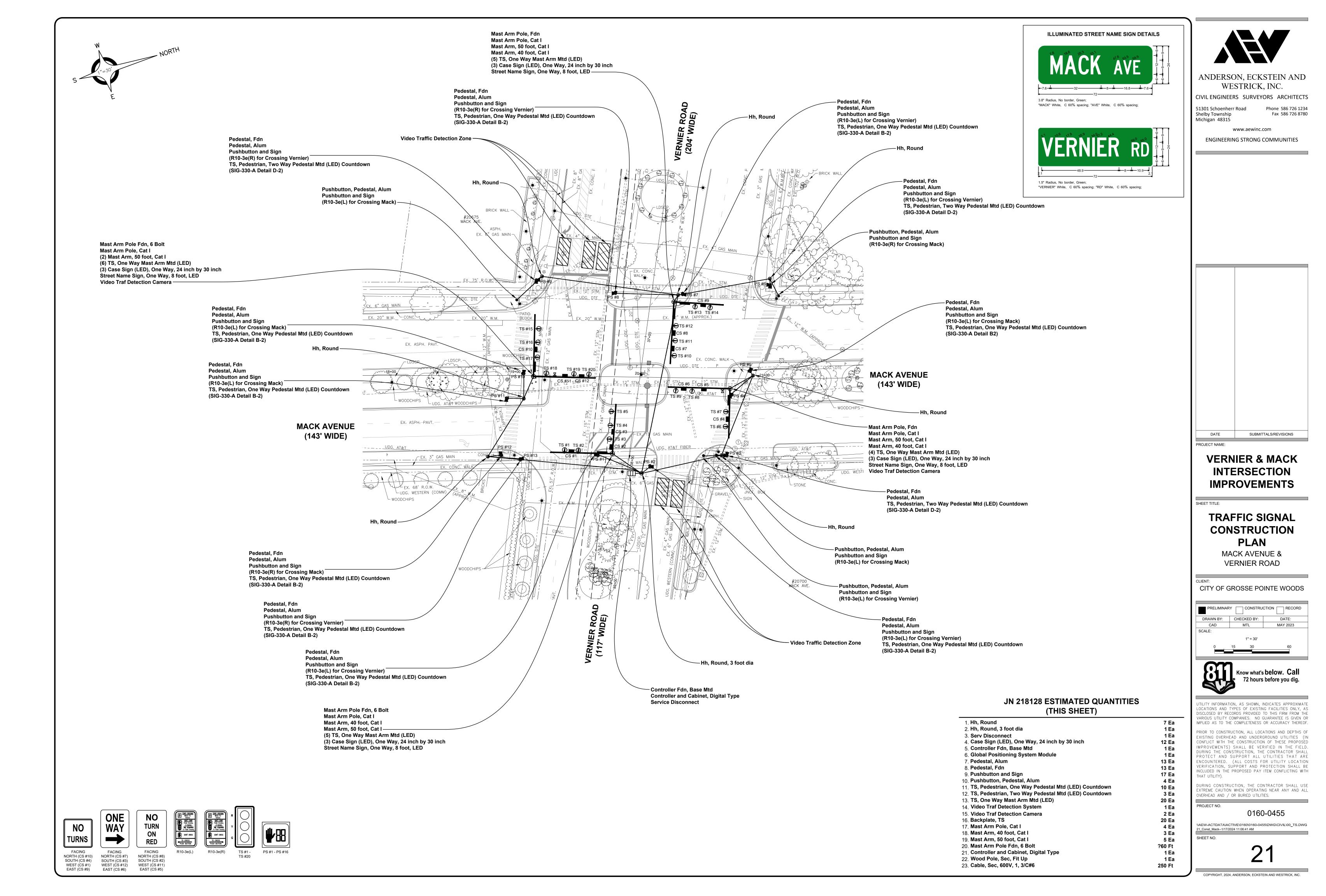
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	SON, ECF	KSTEIN AND
	VESTRICK	K, INC.
CIVIL ENGIN		YORS ARCHITECTS
Shelby Townsh Michigan 483:	hip	Fax 586 726 8780
	www.aewind	
ENGINEE	ERING STRONG	COMMUNITIES
DATE	SUBM	ITTALS/REVISIONS
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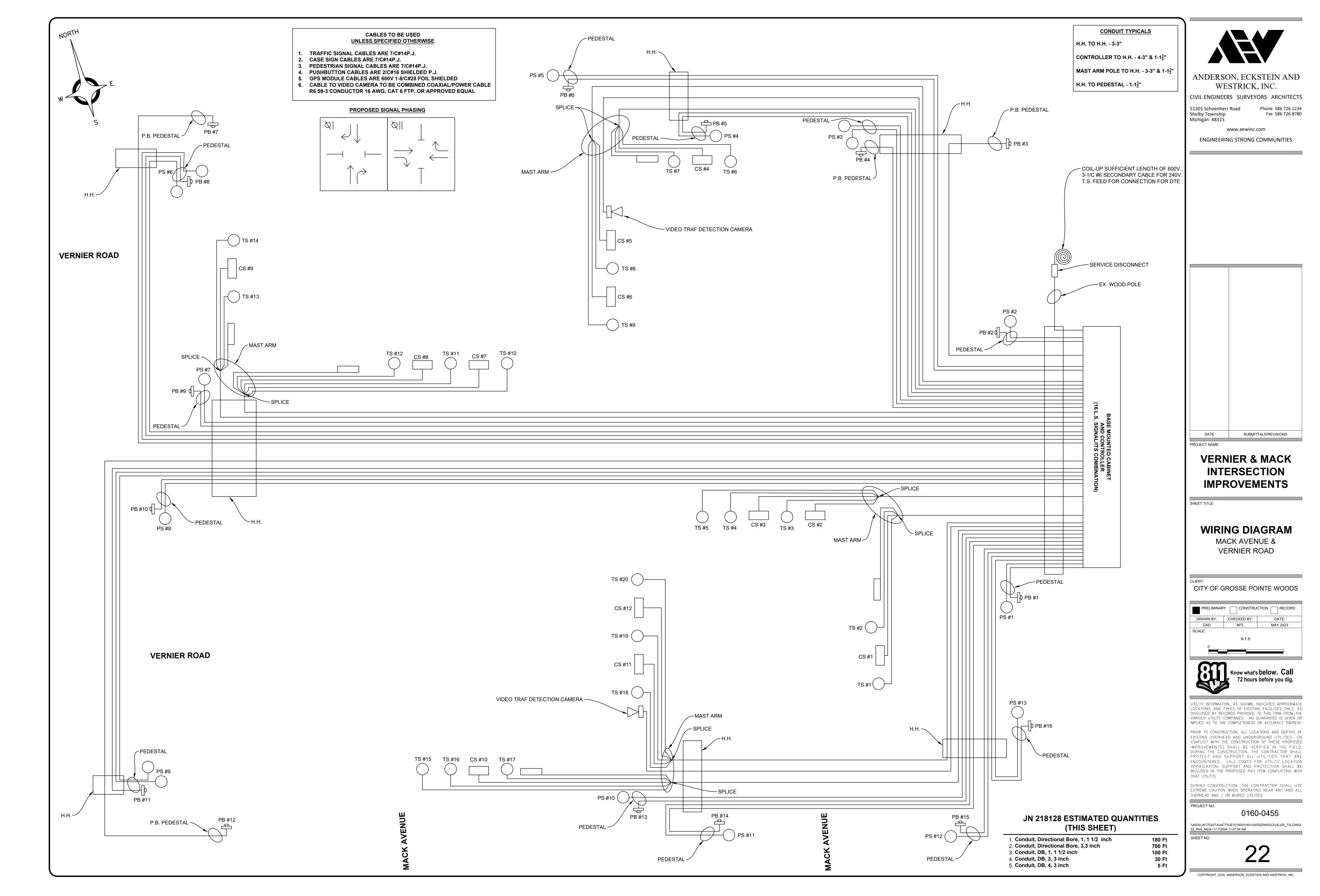
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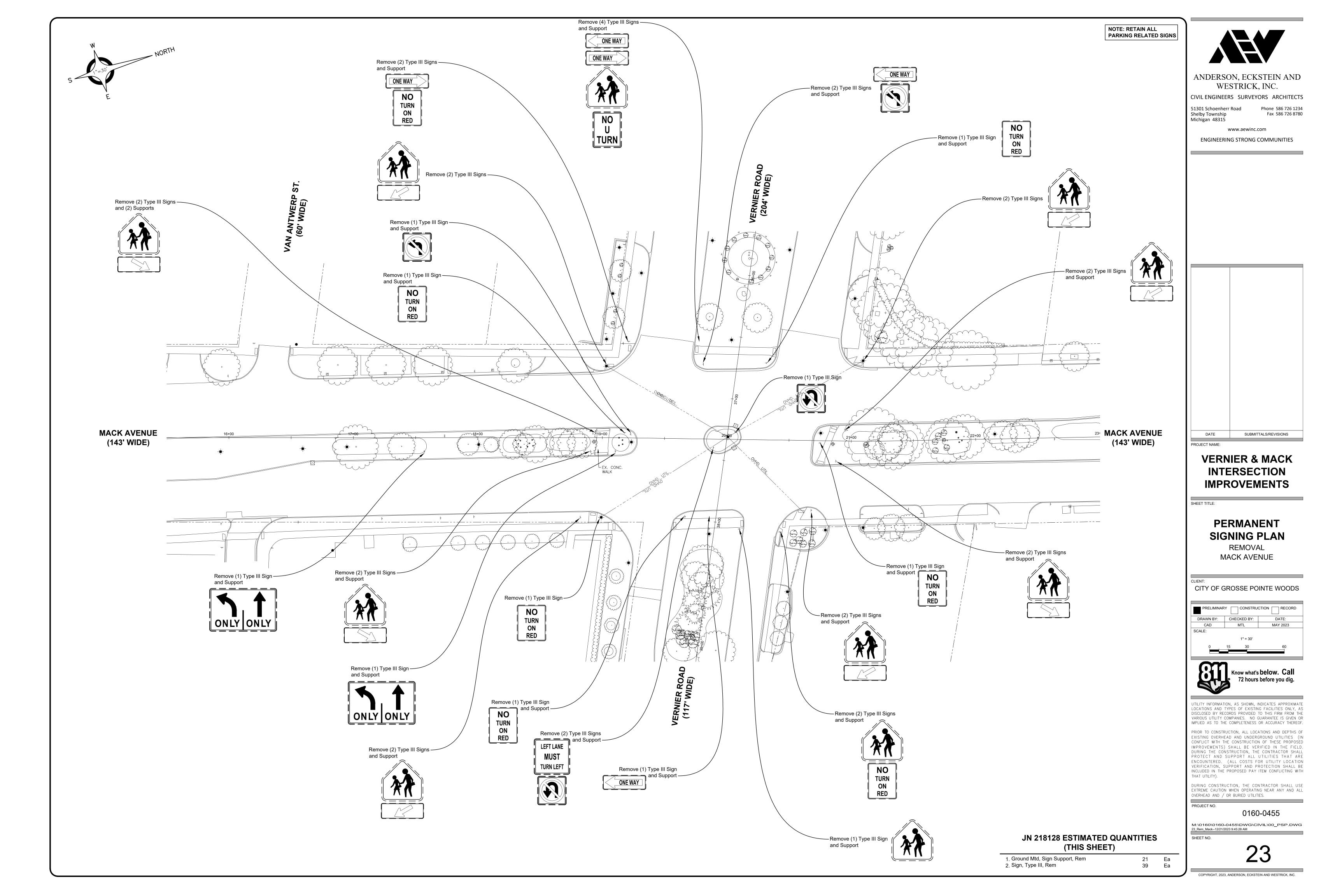
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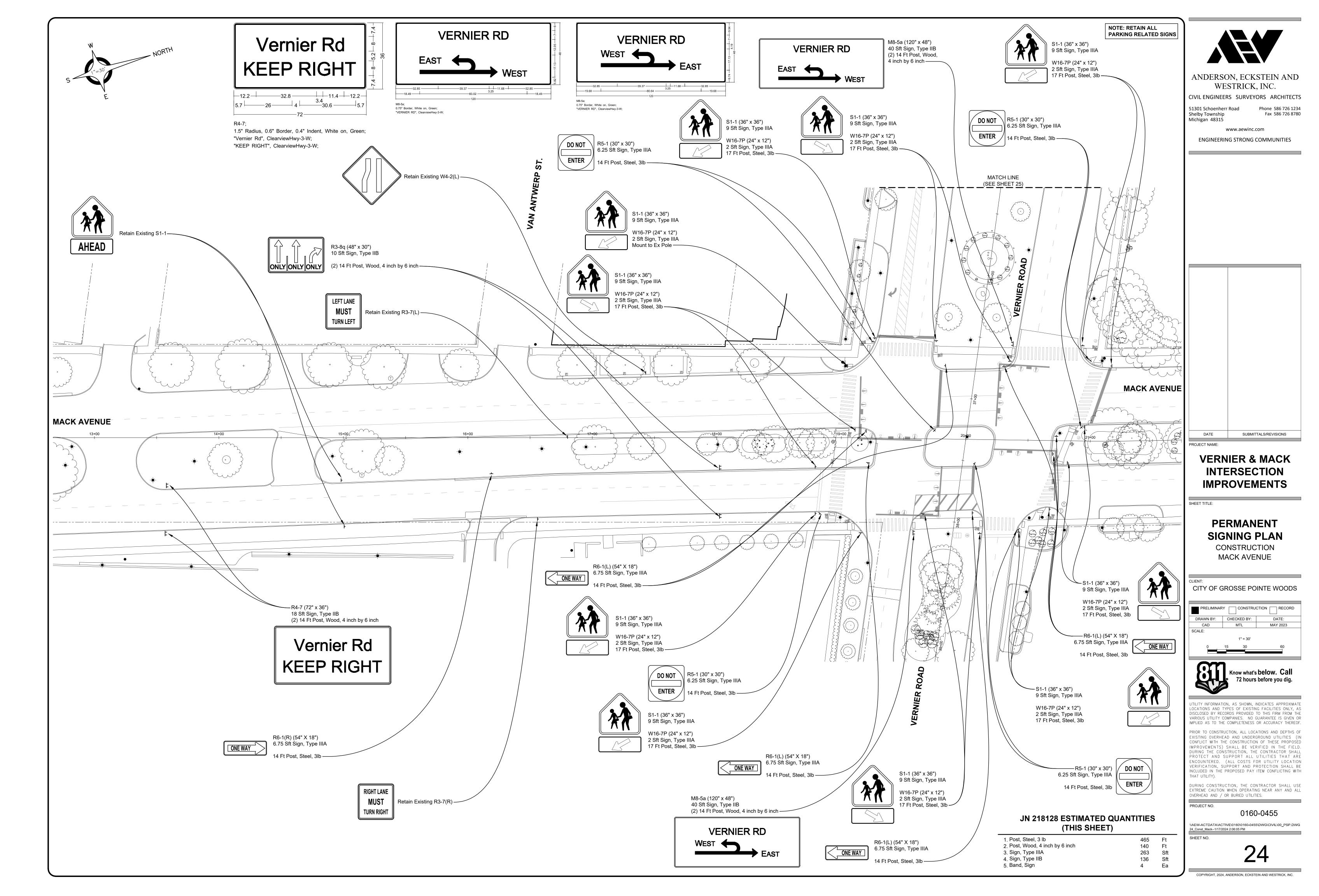
1. Span Wire, Rem	4 Ea
2. TS, Span Wire Mtd, Rem	8 Ea
3. TS, Bracket Arm Mtd, Rem	2 Ea
4. TS, Pedestrian, Pedestal Mtd, Rem	8 Ea
5. TS, Pedestrian, Bracket Arm Mtd, Rem	8 Ea
6. Pedestal Fdn, Rem	4 Ea
7. Pedestal, Rem	4 Ea
8. Junction Box, Rem	4 Ea
9. Case Sign, Rem	4 Ea
0. Controller and Cabinet, Rem	1 Ea

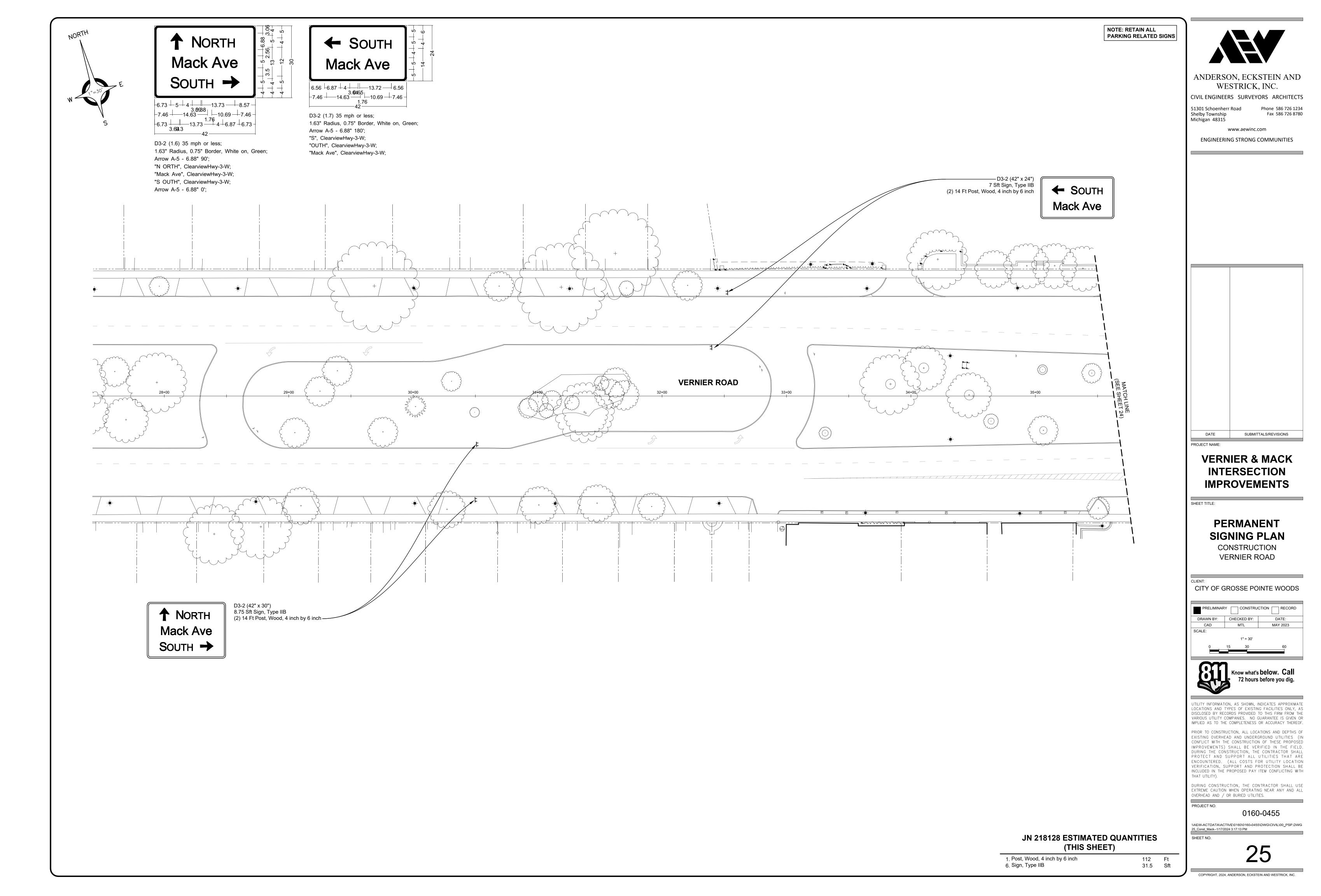


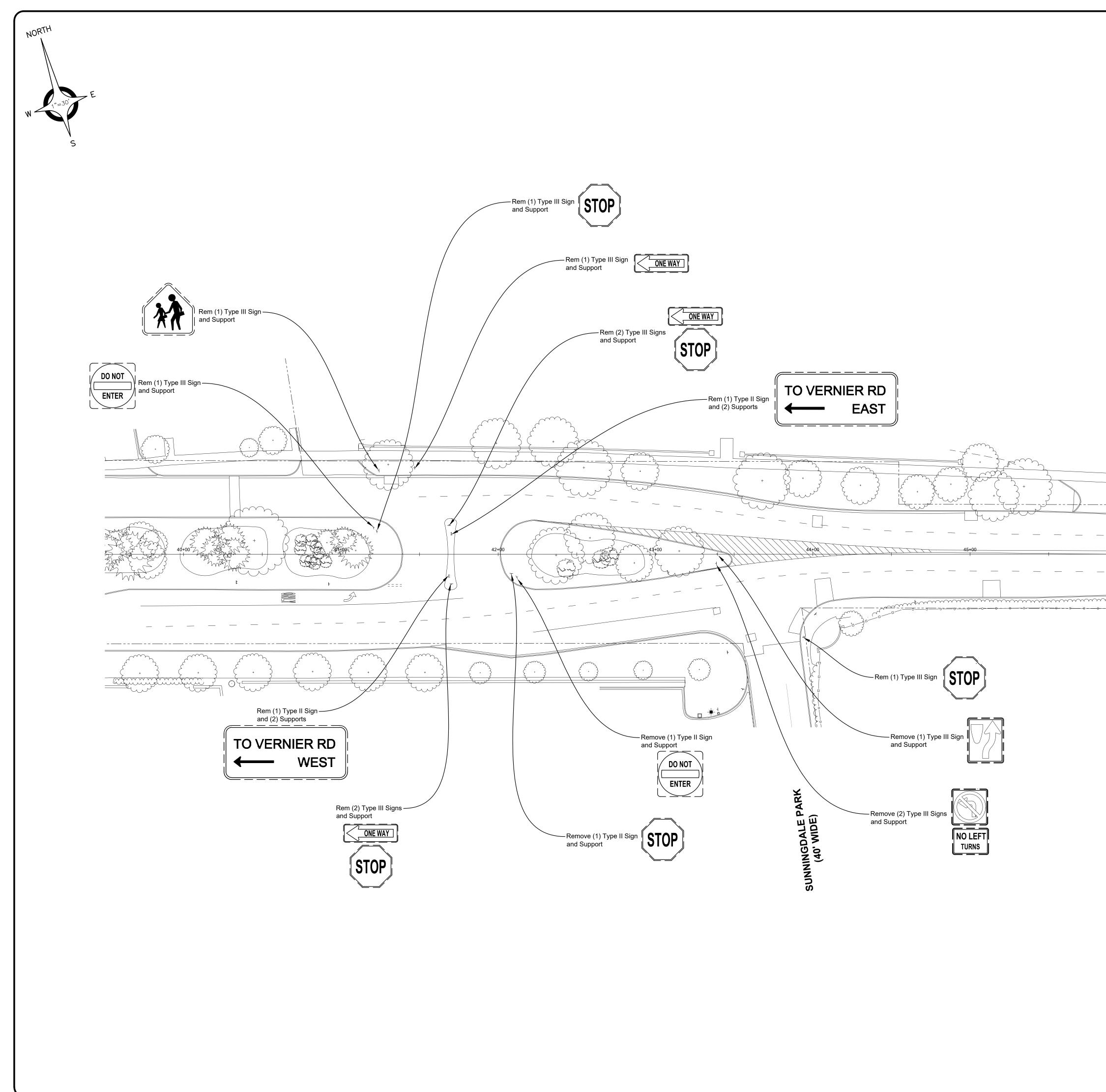
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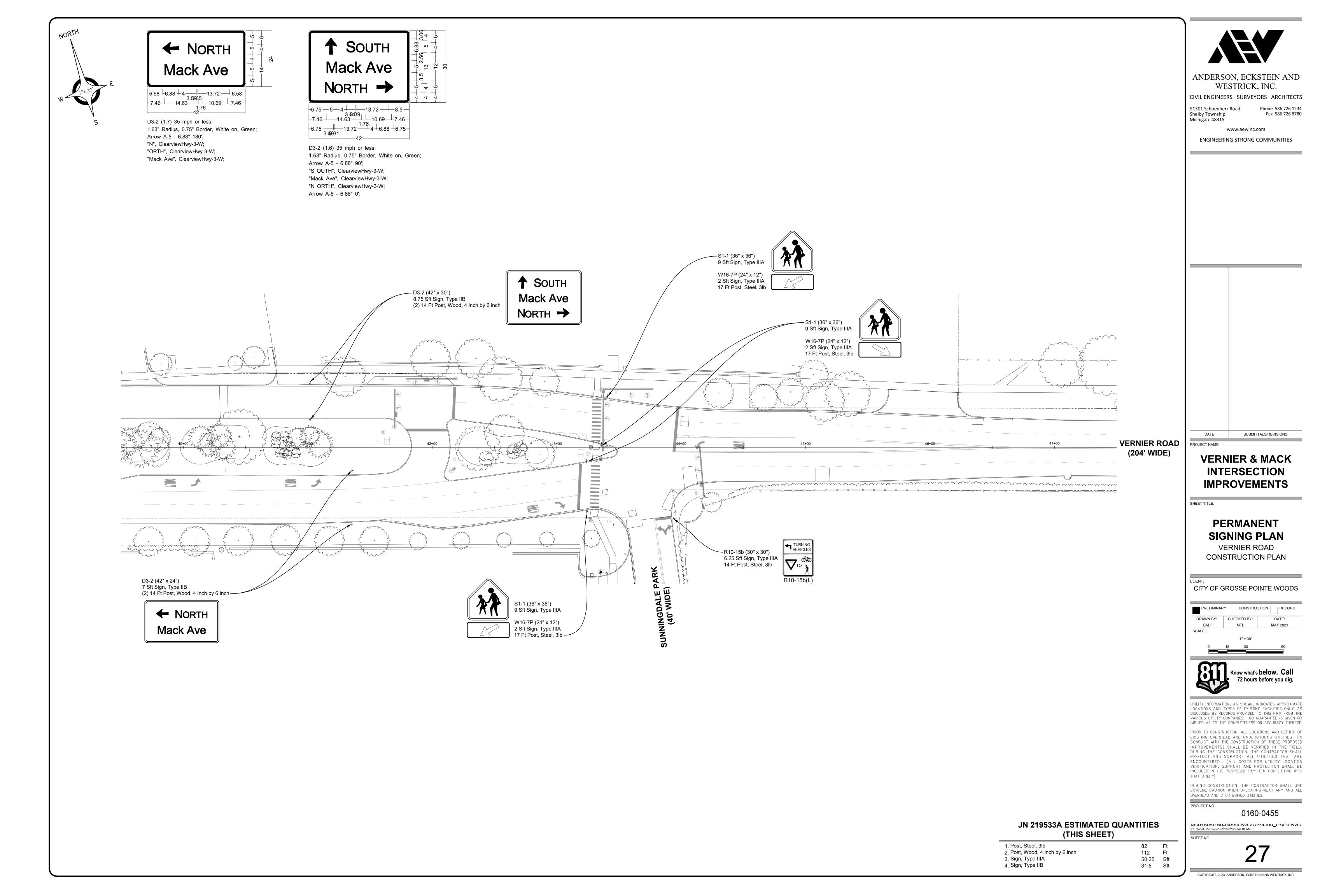


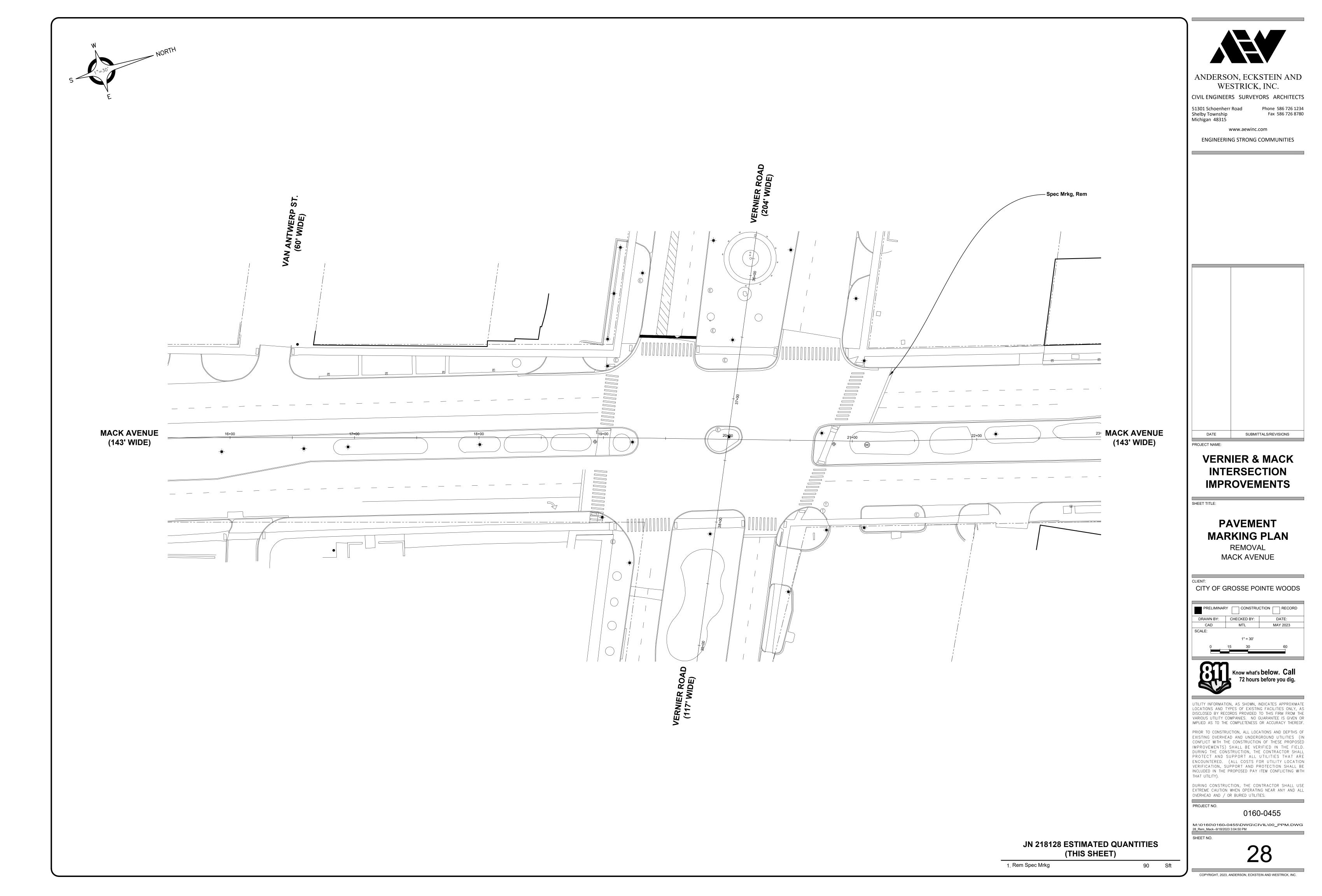


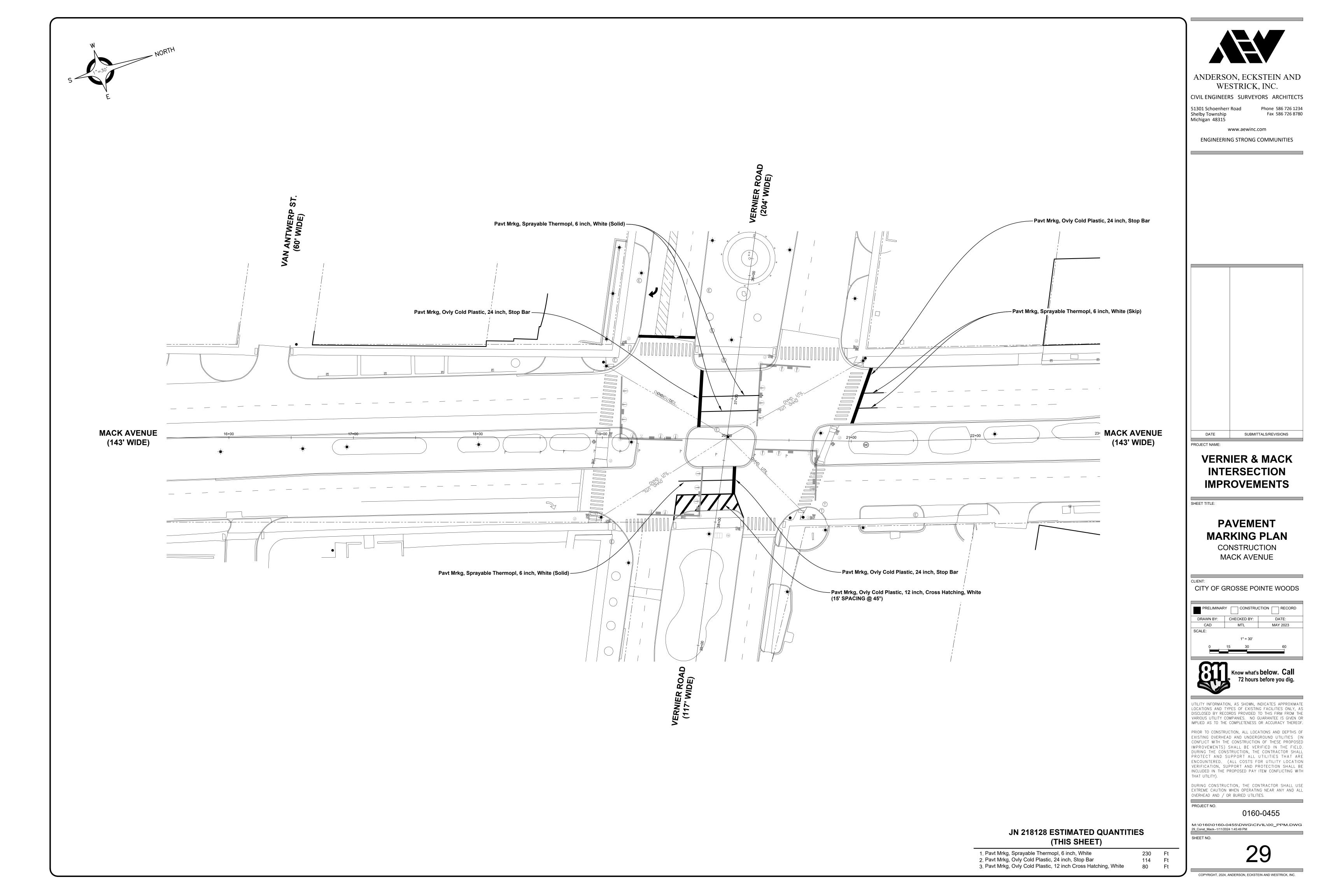


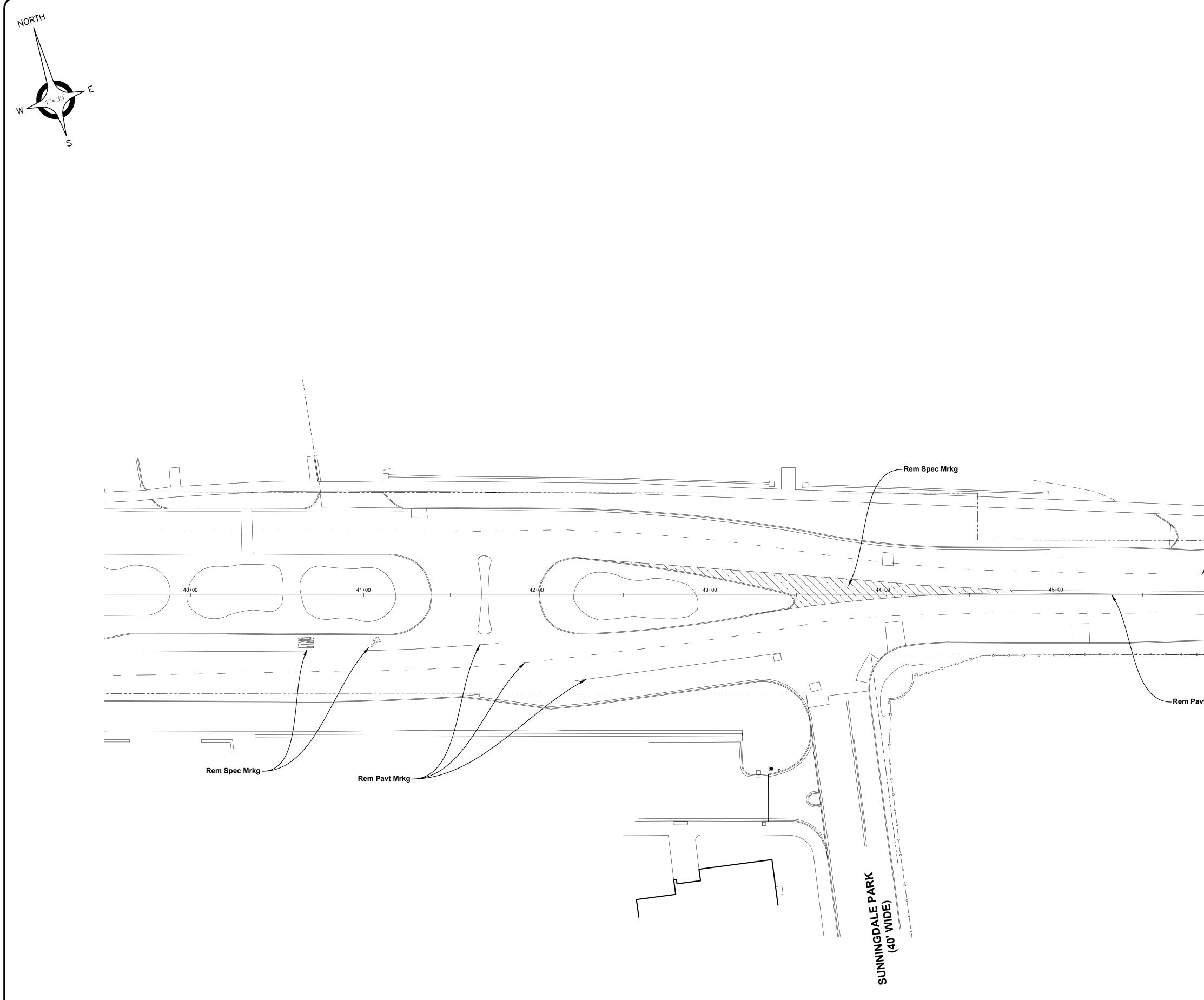
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The construction of the co			CITY OF GROSSE POINTE WOODS
EXTREME CAUTION WHEN OPERATING NEAR ANY AND ALL OVERHEAD AND / OR BURIED UTILITIES. PROJECT NO. 0160-0455 UWG\CIVIL\00_PSP.DWG 26_Rem_Vernier-12/21/2023 9:58:58 AM SHEET NO.			72 hours before you dig. UTILITY INFORMATION, AS SHOWN, INDICATES APPROXIMATE LOCATIONS AND TYPES OF EXISTING FACILITIES ONLY, AS DISCLOSED BY RECORDS PROVIDED TO THIS FIRM FROM THE VARIOUS UTILITY COMPANIES. NO GUARANTEE IS GIVEN OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING OVERHEAD AND UNDERGROUND UTILITIES (IN CONFLICT WITH THE CONSTRUCTION OF THESE PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. DURING THE CONSTRUCTION, THE CONTRACTOR SHALL PROTECT AND SUPPORT ALL UTILITIES THAT ARE ENCOUNTERED. (ALL COSTS FOR UTILITY LOCATION VERIFICATION, SUPPORT AND PROTECTION SHALL BE INCLUDED IN THE PROPOSED PAY ITEM CONFLICTING WITH
2. Sign, Type III, Rem 13 Ea 20	(THIS SHEET) 1. Ground Mtd Sign Support, Rem) 13 Ea	EXTREME CAUTION WHEN OPERATING NEAR ANY AND ALL OVERHEAD AND / OR BURIED UTILITIES. PROJECT NO. 0160-0455 M:\0160\0160-0455\DVVG\CIVIL\00_PSP.DVVG 26_Rem_Vernier-12/21/2023 9:58:58 AM

2. Sign, Type III, Rem 13 I	••	—
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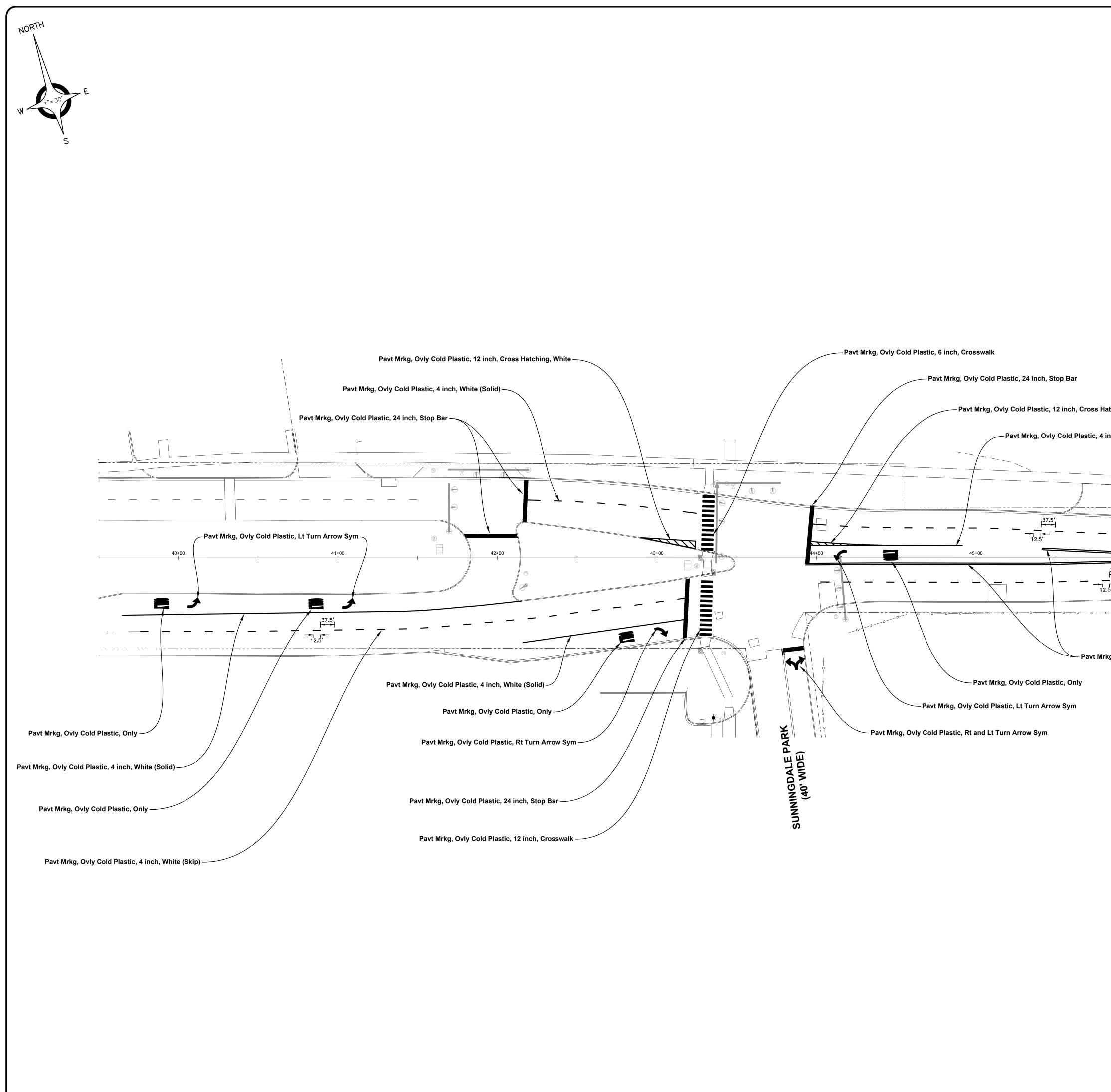




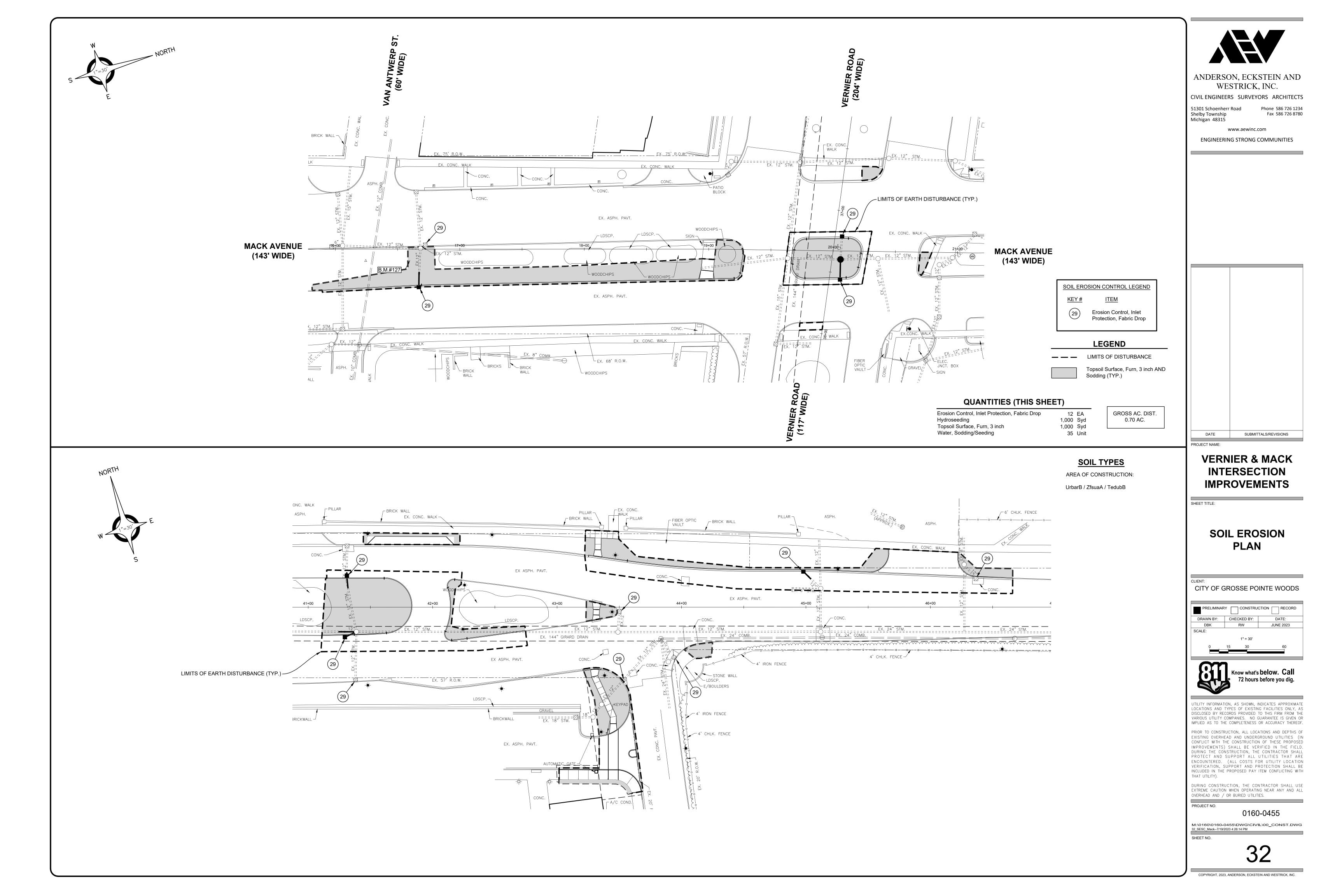




		ANDERSON	I, ECKSTEIN AND
			SURVEYORS ARCHITECTS
		Shelby Township Michigan 48315	Fax 586 726 8780
		ENGINEERING	STRONG COMMUNITIES
Rem Pavt Mrkg			
46+00 47+00	VERNIER ROAD (204' WIDE)	DATE PROJECT NAME:	
		INTE	ER & MACK RSECTION
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		VER	NIER ROAD
		CLIENT: CITY OF GRO	SSE POINTE WOODS
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			now what's below. Call 72 hours before you dig.
		LOCATIONS AND TYPES DISCLOSED BY RECORDS	AS SHOWN, INDICATES APPROXIMATE G OF EXISTING FACILITIES ONLY, AS S PROVIDED TO THIS FIRM FROM THE
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		EXTREME CAUTION WHI OVERHEAD AND / OR E	ON, THE CONTRACTOR SHALL USE EN OPERATING NEAR ANY AND ALL JURIED UTILITIES.
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JN 219533A ESTIMATED Q (THIS SHEET)	UANTITIES	30_Rem_Vernier9/18/2023 3: SHEET NO.	04:56 PM
1. Rem Spec Mrkg 2. Rem Pavt Mrkg	120 Sft 1,800 Ft	COPYRIGHT 2022 AND	30 ERSON, ECKSTEIN AND WESTRICK, INC.



		ANDERSON, ECKSTEIN AND WESTRICK, INC.
		CIVIL ENGINEERS SURVEYORS ARCHITECTS 51301 Schoenherr Road Phone 586 726 1234
		Shelby Township Fax 586 726 8780 Michigan 48315
		www.aewinc.com ENGINEERING STRONG COMMUNITIES
tching, White		
nch, White (Solid)	Pavt Mrkg, Ovly Cold Plastic, 4 inch, White (Skip)	
	/	
	— — — — — — — — — — — — — — — — — — —	DATE SUBMITTALS/REVISIONS
37.5'	47+00 VERNIER ROAD (204' WIDE)	PROJECT NAME: VERNIER & MACK
00000	- 	IMPROVEMENTS
	Pavt Mrkg, Ovly Cold Plastic, 4 inch, White (Skip)	SHEET TITLE:
g, Ovly Cold Plastic	4 inch, Yellow (Double)	PAVEMENT
		MARKING PLAN CONSTRUCTION
		VERNIER ROAD
		CLIENT:
		CITY OF GROSSE POINTE WOODS
		DRAWN BY: CHECKED BY: DATE: CAD MTL MAY 2023 SCALE:
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		Know what's below. Call 72 hours before you dig.
		UTILITY INFORMATION, AS SHOWN, INDICATES APPROXIMATE
		LOCATIONS AND TYPES OF EXISTING FACILITIES ONLY, AS DISCLOSED BY RECORDS PROVIDED TO THIS FIRM FROM THE VARIOUS UTILITY COMPANIES. NO GUARANTEE IS GIVEN OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF.
		PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING OVERHEAD AND UNDERGROUND UTILITIES (IN
		CONFLICT WITH THE CONSTRUCTION OF THESE PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. DURING THE CONSTRUCTION, THE CONTRACTOR SHALL PROTECT AND SUPPORT ALL UTILITIES THAT ARE
		ENCOUNTERED. (ALL COSTS FOR UTILITY LOCATION VERIFICATION, SUPPORT AND PROTECTION SHALL BE INCLUDED IN THE PROPOSED PAY ITEM CONFLICTING WITH
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	1. Pavt Mrkg, Ovly Cold Plastic, 4 inch, White 1,690 Ft 2. Pavt Mrkg, Ovly Cold Plastic, 4 inch, Vellow 761 Ft	PROJECT NO. 0160-0455
	2. Pavt Mrkg, Ovly Cold Plastic, 4 inch, Yellow761Ft3. Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym1Ea4. Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym3Ea	M:\0160\0160-0455\DWG\CIVIL\00_PPM.DWG 31_Const_Vernier-9/18/2023 3:04:59 PM
	E Deut Malen, Order Cald Diastia, Diagrad Lit Trum, Amarcu Cruza	SHEET NO.
	5. Pavt Mrkg, Ovly Cold Plastic, Rt and Lt Turn Arrow Sym1Ea6. Pavt Mrkg, Ovly Cold Plastic, Only4Ea7. Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk168Ft	21
	6. Pavt Mrkg, Ovly Cold Plastic, Only 4 Ea	31 COPYRIGHT, 2023, ANDERSON, ECKSTEIN AND WESTRICK, INC.



SOIL EROSION AND SEDIMENTATION NOTES AND MAINTENANCE NOTES

THIS PROJECT SHALL BE CONSTRUCTED IN COMPLIANCE WITH PART 91 OF ACT 451 OF 1994, AS AMENDED, THE SOIL EROSION AND SEDIMENTATION CONTROL ACT AND THE MACOMB COUNTY SOIL EROSION AND SEDIMENTATION CONTROL ORDINANCE.

ALL EROSION AND SEDIMENTATION CONTROL WORK SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE MACOMB COUNTY PUBLIC WORKS OFFICE.

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.

STAGING THE WORK WILL BE DONE BY THE LANDOWNER OR LANDOWNER'S REPRESENTATIVE AS DIRECTED IN THESE PLANS AND AS REQUIRED TO ENSURE PROGRESSIVE STABILIZATION OF DISTURBED EARTH CHANGE. THE LANDOWNER OR LANDOWNER'S REPRESENTATIVE SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF SOIL EROSION AND SEDIMENTATION CONTROL DEVICES.

THE LANDOWNER OR LANDOWNER'S REPRESENTATIVE SHALL IMPLEMENT AND MAINTAIN THE SOIL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS BEFORE AND AT ALL TIMES DURING CONSTRUCTION ON THIS PROJECT. ANY MODIFICATIONS OR ADDITIONS TO SOIL EROSION CONTROL MEASURES DUE TO CONSTRUCTION OR CHANGED CONDITIONS SHALL BE COMPLIED WITH AS REQUIRED OR DIRECTED BY THE MACOMB COUNTY PUBLIC WORKS OFFICE.

IF ANY OF THE SESC MEASURES ON THE SITE ARE DEEMED INADEQUATE OR INEFFECTIVE, THE MACOMB COUNTY PUBLIC WORKS OFFICE SESC DIVISION HAS THE RIGHT TO REQUIRE ADDITIONAL SESC MEASURES AT THE EXPENSE OF THE LANDOWNER.

INSTALL INLET FILTER ON ALL PAVEMENT CATCH BASINS PER DETAIL.

A. INLET FILTERS SHALL BE INSPECTED WEEKLY UNDER NORMAL CONDITIONS, WITHIN 24 HOURS OF A RAINFALL AND DAILY DURING A PROLONGED RAIN EVENT. B. BUILDUP OF SEDIMENT AND DEBRIS SHALL BE REMOVED PROMPTLY.

C. IF FABRIC DECOMPOSES OR BECOMES INEFFECTIVE PRIOR TO THE END OF EXPECTED USABLE LIFE AND THE BARRIER IS STILL REQUIRED, THE FABRIC SHALL BE REPLACED PROMPTLY.

NO STOCKPILED SOIL IS PLANNED FOR THIS PROJECT. ALL DISTURBED AREAS WILL BE RESTORED WITH 3" OF TOPSOIL AND SODDING.

NO DEWATERING IS PLANNED DURING CONSTRUCTION.

STREETS AND OR PARKING AREAS WILL BE SCRAPED ON A DAILY BASIS AND SWEPT AT A MINIMUM OF ONCE PER WEEK BY THE LANDOWNER OR LANDOWNER'S REPRESENTATIVE.

DURING DRY PERIODS, ALL DISTURBED AREAS SHALL BE WATERED FOR DUST CONTROL.

PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPETED WITHIN 5 CALENDAR DAYS AFTER FINAL GRADING OR THE FINAL EARTH CHANGE HAS BEEN COMPLETED. WHEN IT IS NOT POSSIBLE TO PERMANENTLY STABILIZE A DISTURBED AREA AFTER EARTH CHANGE ACTIVITY CEASES, TEMPORARILY SOIL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED IMMEDIATELY. ALL TEMPORARY SOIL EROSION CONTROL SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED. ALL PERMANENT SOIL EROSION CONTROL MEASURES WILL BE IMPLEMENTED AND ESTABLISHED BEFORE A CERTIFICATE OF COMPLIANCE IS ISSUED.

REMOVE ALL TEMPORARY SOIL EROSION DEVICES AFTER PERMANENT STABILIZATION IS ESTABLISHED.

SOIL TYPES: UrbarB, TedubB, ZfsuaA

PERSON RESPONSIBLE FOR THE MAINTENANCE OF ALL TEMPORARY SOIL EROSION CONTROL MEASURES WILL BE PROVIDED WHEN THE CONTRACTOR IS DETERMINED.

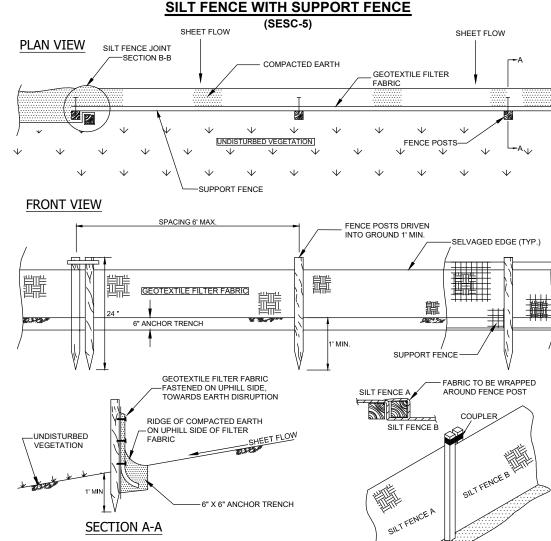
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MOBILIZE																
INSTALL INLET FILTERS																
REMOVALS & EARTHWORK, TRAFFIC SIGNALS																
PAVEMENT, DRIVE AND SIDEWALK																
RESTORATION																
PERMANENT SESC MEASURES																
REMOVE TEMPORARY SESC MEASURES																

ALL DIRT TRACKED ONTO ANY ROADWAY SHALL BE REMOVED IMMEDIATELY.

FINAL GRADE, ESTABLISH VEGETATION AND OR LANDSCAPE ALL DISTURBED AREAS NOT BUILT OR PAVED UPON.

NAME OF AND DISTANCE TO NEAREST OPEN WATERCOURSE: GIRARD DRAIN - ONSITE.

TEMBER							
9/16	9/23	9/30					



SECTION B-B

SILT FENCE WITH SUPPORT FENCE

