CITY OF ANN ARBOR
ENGINEERING

PACKARD WATER MAIN MALLETS CREEK

RFP No. 26-54, FILE No. 2025013

NOTES:

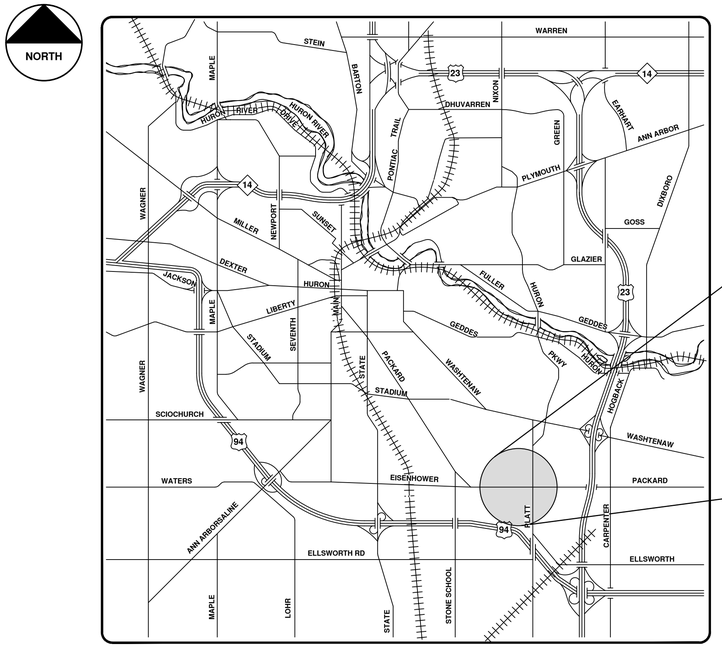
FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY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

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

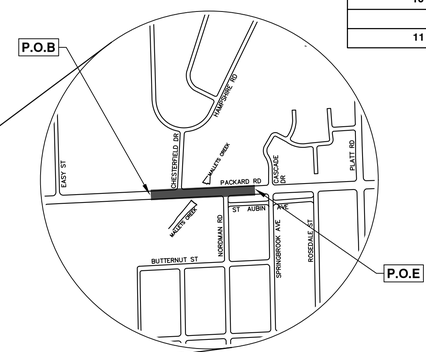
THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.

Sheet List Table

Sheet Number	Sheet Title
1	Cover Sheet
2	Standard Notes
3	Legend
Maintenance of Traffic - Ph. I - WM HDPE Directional Drill	
4	P.O.B. - Sta. 16+00
5	Sta. 16+00 - P.O.E.
Maintenance of Traffic - Ph. II - WM Connections and Abandonment	
6	P.O.B. - Sta. 18+00
7	Sta. 18+00 - P.O.E.
Removals	
8	P.O.B. - P.O.E.
Packard Water Plan & Profile	
9	P.O.B. - Sta. 20+50
10	Sta. 20+50 - P.O.E.
Restoration	
11	P.O.B. - P.O.E.



VICINITY MAP



PREPARED UNDER THE SUPERVISION OF

CHRISTOPHER CARSON, P.E. - MI LICENSE No. 6201047156
PROJECT ENGINEER

STATE OF MICHIGAN
Christopher Carson
License No. 6201047156
LICENSED PROFESSIONAL ENGINEER

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	OUT FOR BID	11-12-26	A2D	AC

Know what's below. Call before you dig. 811

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PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734.794.6410
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE

DRAWING No. 2025013-1

SHEET No. 1 OF 11

© PACKARD WATER MAIN MALLETS CREEK; RFP No. 26-54; 2025013

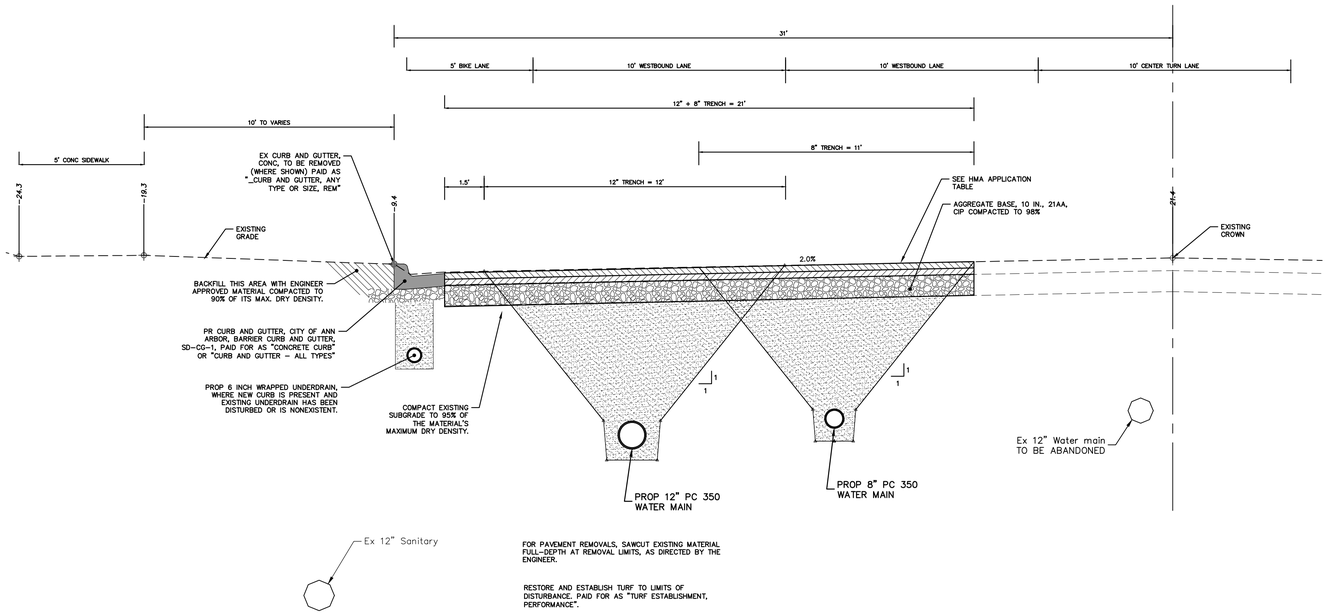
R:\2025013 Packard WM Mallets Creek\Plan Production\2025013Cov.dwg — a2 standard bw.stb — Plot Date: 11/11/2026 8:16:56 AM

CONSTRUCTION NOTES:

1. Driveways and entrances to buildings, real property, and the like shall not be blocked except for short durations and only when approved by the Engineer. Vehicular and pedestrian access shall be maintained at all times. It shall be the Contractor's responsibility to coordinate all necessary driveway closures with the property owner(s) and resident(s) in the areas of construction.
2. The location and depth of all existing utilities and service leads are to be field verified by the Contractor prior to construction.
3. Location and depth of utilities as depicted on the plans is approximate and shown according to the best information available. It is the Contractor's responsibility to excavate ahead and adjust depth of conflict utilities accordingly. Any damage to utilities is the Contractor's responsibility to avoid and/or repair as necessary.
4. The Contractor is to take special care to protect the existing water main and be responsible for maintaining consistent water service.
5. During non-working hours no trench shall remain open; any open trench shall be properly secured with protective fencing. This work shall be included in the item of work "General Conditions".
6. Trenches for new water services shall be excavated to MIOSHA and City of Ann Arbor Public Works requirements.
7. City of Ann Arbor Public Works will install the corporation and copper service lead(s) to transfer the connection(s). If an existing water service is found to be failing or is not copper, the lead will be replaced to the curb box by Public Works.
8. For the installation of corporations, or any other related activities, the Contractor shall not receive additional compensation for delays due to the scheduling of or coordination with the City of Ann Arbor Public Works.
9. The Contractor shall backfill trenches in accordance with Trench Detail specified on plans. This work shall be included in the item of work "Excavate and Backfill for Water Service Tap and Lead". All concrete removals and replacements required for this work will be paid for separately.
10. Water main fittings, other than those specifically listed as separate pay items, which are required to complete the work, such as blow-off assemblies, concrete thrust blocks, solid sleeves and mechanical plugs, shall not be paid for separately, but shall be included in the pipe pay items.
11. "No Parking" signs shall be installed by the Contractor at locations as approved or directed by the Engineer. All signs shall be installed in accordance with the detailed specifications.
12. Postal delivery and refuse pickup service shall be maintained at all times by the Contractor.
13. All fittings, hydrants, valves and castings removed during construction are the property of the City of Ann Arbor. The Contractor within 48 hours shall deliver to City of Ann Arbor Public Works Facility at the W.R. Wheeler Service Center located at 4251 Stone School Road.
14. Where street curbs are undermined due to construction activities, they shall be removed and replaced as directed by the Engineer.
15. The Contractor shall be responsible for the continuous maintenance of the temporary road surface and soil erosion control measures within the construction area until the full completion of the project. This work shall be included in the item of work "General Conditions".
16. All curb, sidewalk, driveway approach removals shall be approved by Engineer before the work is done.
17. The location of material stock piles and on-site staging areas to be approved by the Engineer.
18. All structures shall receive new castings as directed by the Engineer, as specified on the standard casting schedule. The existing castings are the property of the City of Ann Arbor. The Contractor shall deliver to City of Ann Arbor Public Works Facility at the W.R. Wheeler Service Center located at 4251 Stone School Road.
19. Existing street name, guide, and regulatory signs, and mailboxes which conflict with the proposed construction shall be removed prior to construction, stored in a manner which will prevent damage, and re-set in locations as directed by the Engineer.

PACKARD WATER MAIN MALLETS CREEK BENCHMARKS

BM #	ELEV	DESCRIPTION
103	806.80	TOP OF NUT FOR ABANDONED HYDRANT, ±7 FEET INSIDE OF PUMP HOUSE GATE.
104	803.99	PK NAIL IN EAST FACE OF UTILITY POLE, ±100 FEET EAST OF EAST PERIMETER FENCE FOR PUMP HOUSE.
105	812.02	NAIL IN NORTH FACE OF 18 INCH TREE IN THE SOUTHEAST QUADRANT OF THE INTERSECTION OF PACKARD ROAD AND NORDMAN ROAD, ±56 FEET EAST OF THE CENTERLINE OF NORDMAN ROAD AND ±52 FEET SOUTH OF THE CENTERLINE OF PACKARD ROAD.



PACKARD ROAD TYPICAL SECTION

N.T.S.

HMA APPLICATION ESTIMATE

HMA PAVEMENT	HMA MIX	RATE OF APPLICATION	THICKNESS (INCHES)	AWI (MIN.)	BINDER	LOCATION/NOTES
HMA PAVEMENT TOP	4EL	220 LB/SYD	2.0	260 (TOP)	PG 64-28	TOP COURSE
HMA PAVEMENT LEVELING	4EL	220 LB/SYD	2.0	-	PG 64-28	LEVELING COURSE
HMA PAVEMENT BASE	4EL	220 LB/SYD	2.0	-	PG 64-28	BASE COURSE
HAND PATCHING	4EL	0 - 440 LB/SYD			PG 58-28	HAND PATCHING
ASPHALT EMULSION	SS-1h	0.05 - 0.15 GAL/SYD	-	-	-	INCLUDE IN COST OF HMA ITEM

PERMITS REQUIRED TO BE OBTAINED BY THE CONTRACTOR PRIOR TO THE BEGINNING OF CONSTRUCTION.

PERMIT	ISSUING AUTHORITY
LANE CLOSURE PERMIT*	CITY OF ANN ARBOR ENGINEERING
"NO PARKING" SIGNS PERMIT*	CITY OF ANN ARBOR ENGINEERING
GRADING/SOIL EROSION & SEDIMENTATION CONTROL PERMIT*	CITY OF ANN ARBOR CUSTOMER SERVICE
RIGHT-OF-WAY PERMIT*	CITY OF ANN ARBOR CUSTOMER SERVICE

* NO COST TO CONTRACTOR

PERMITS REQUIRED TO BE OBTAINED BY THE CITY OF ANN ARBOR PRIOR TO THE BEGINNING OF CONSTRUCTION.

PERMIT	ISSUING AUTHORITY
WATER MAIN CONSTRUCTION PERMIT	MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY (EGLE)

CONTACT INFORMATION

PUBLIC UTILITIES	OWNER	CONTACT
WATER SANITARY STORM FORESTRY	CITY OF ANN ARBOR PUBLIC WORKS W.R. WHEELER SERVICE CENTER 4251 STONE SCHOOL ROAD ANN ARBOR, MI 48108	(734) 794-6350
SIGNS SIGNALS STREET LIGHTS		MARK MORENO (734) 794-6361
FIBER OPTIC	CITY OF ANN ARBOR INFORMATION TECHNOLOGY LARCOM CITY HALL 301 E. HURON STREET ANN ARBOR, MI 48107	(734) 794-6550
PRIVATE UTILITIES	**OWNER**	**CONTACT**
GAS	DTE ENERGY 3150 E. MICHIGAN AVE, YPSILANTI TOWNSHIP, MI 48198	ADAM EGELER 734 929-8042 ADAM.EGELER@DTEENERGY.COM
ELECTRIC	DTE ENERGY WESTERN WAYNE SERVICE CENTER 8001 HAGGERTY ROAD BELLEVILLE, MI 48111	ANTHONY IGNASIAK (734) 397-4447
CABLE	COMCAST 27800 FRANKLIN ROAD SOUTHFIELD, MI 48034	STEPHEN BECK (248) 972-7511
PHONE	AT&T 550 S. MAPLE ROAD ANN ARBOR, MI 48103	CHRIS SHOUP (734) 263-7385 CS6558@ATT.COM
FIBER OPTIC	MCI/VERIZON 4401 STECKER STREET DEARBORN, MICHIGAN 48126	MARLON REDD (313) 588-0849 MARLON.REDD@VERIZON.COM
FIBER OPTIC	WINDSTREAM 1295 S LINDEN ROAD, SUITE B FLINT, MI 48532	DAVID BEGGS (810) 397-8956 DAVID.BEGGS@WINDSTREAM.COM
FIBER OPTIC	ADVANCED COMMUNICATIONS & DATA 1800 NORTH GRAND RIVER AVE LANSING, MI 48906	OSP@ACD.NET
STREET LIGHTING	DTE ENERGY 8001 HAGGERTY ROAD BELLEVILLE, MI 48111	LANCE ALLEY (734) 397-4188

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00	OUT FOR BID	11-12-26	A2D	AC

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PACKARD WATER MAIN MALLETS CREEK

STANDARD NOTES

SCALE: NTS

DRAWING No. 2025013-2

SHEET No. 2 OF 11

R:\2025013 Packard WM Mallets Creek\Source Drawings\2025013 Xsctn.dwg - _a2 standard bw.stb - Plot Date: 11/11/2026 8:24:51 AM

EXISTING LEGEND

EX = EXISTING

- FIRE HYDRANT
- GATE VALVE IN BOX
- GATE VALVE IN WELL
- STOP BOX
- WATER VAULT
- WELL
- CATCH BASIN (SQ)
- CATCH BASIN (RD)
- STORM MANHOLE
- NON-CURB CATCH BASIN (SQ)
- END SECTION
- SANITARY MANHOLE
- CLEAN-OUT
- POST
- PEDESTRIAN SIGNAL
- SIGN
- HAND HOLE
- ORNAMENTAL LIGHT
- FLOOD LIGHT
- UNKNOWN MANHOLE
- TELEPHONE MANHOLE
- TELEPHONE RISER
- GAS VALVE
- GAS VENT
- GAS BOX
- ELECTRICAL RISER
- TRANSFORMER
- UTILITY POLE
- LAMP POLE
- GUY ANCHOR
- GUY POLE
- MONITORING WELL
- MAILBOX
- SOIL BORING
- TRAVERSE POINT
- BENCH MARK
- IRON PIPE
- MON BOX

- WATER MAIN
- WATER MAIN ABANDONED
- STORM SEWER
- STORM SEWER ABANDONED
- SANITARY SEWER
- SANITARY SEWER ABANDONED
- GAS MAIN
- GAS MAIN (DEAD)
- ELECTRICAL OVER HEAD
- ELECTRICAL UNDER GROUND
- ELECTRICAL DUCT BANK
- TELEPHONE OVER HEAD
- TELEPHONE UNDER GROUND
- TELEPHONE DUCT BANK
- CABLE TV OVER HEAD
- CABLE TV UNDER GROUND
- FIBER OPTIC
- FIBER OPTIC DUCT BANK
- BOUNDARY
- BUILDING
- CENTERLINE OF DITCH
- CENTERLINE/CROWN OF ROAD
- CONTOUR MAJOR
- CONTOUR MINOR
- EDGE OF WATER
- FLOODPLAIN
- FENCE
- GRAVEL
- GUARDRAIL
- STONE WALL
- R.O.W.
- TREELINE
- WETLAND
- EDGE OF BRUSH
- HEDGE

- TREE (DECIDUOUS)
- TREE (CONIFEROUS)
- SHRUB (DECIDUOUS)
- STUMP
- TREE TO REMAIN & PROTECT (DECIDUOUS)
  CRITICAL ROOT ZONE (C.R.Z.) = DIAMETER BREAST HEIGHT (INCHES) X 10
- TREE TO REMAIN & PROTECT (CONIFEROUS)
  CRITICAL ROOT ZONE (C.R.Z.) = DIAMETER BREAST HEIGHT (INCHES) X 10

PROPOSED LEGEND

PROP = PROPOSED

- HYDRANT (PLAN)
- WATER GATE VALVE IN WELL
- WATER GATE VALVE IN BOX
- WATER STOP BOX
- WATER VAULT
- INLET
- HIGH CAPACITY INLET
- INLET JUNCTION CHAMBER
- ROUND CATCH BASIN
- STORM MANHOLE
- DRAIN ARROW
- FLARED END SECTION
- OVERFLOW
- SANITARY MANHOLE
- CLEAN-OUT
- BARREL
- SIGN
- PUSH BUTTON
- HAND HOLE

- WATER MAIN
- STORM SEWER
- SANITARY SEWER
- FIBER OPTIC
- ELECTRICAL
- CENTERLINE OF DITCH
- CENTERLINE OF ROAD
- FENCE
- GRAVEL
- SILT FENCE
- PROTECTIVE FENCE
- GUARDRAIL
- LOT/UNIT
- CURB
- TEMPORARY GRADING PERMIT
- CONTOUR MAJOR
- CONTOUR MINOR
- WATER EASMENT
- STORM EASEMENT
- SANITARY EASEMENT
- R.O.W.
- LIMITS OF CONSTRUCTION
- LIMIT OF GRADING
- STONE WALL

- DETECTABLE WARNING
- ASPHALT
- CONCRETE PAVEMENT
- CONCRETE RAMP
- CONCRETE SIDEWALK
- TURF RESTORATION

- TREE (DECIDUOUS)
- TREE (CONIFEROUS)
- TREE TO BE REMOVED (DECIDUOUS)
- TREE TO BE REMOVED (CONIFEROUS)
- STUMP TO BE REMOVED

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PACKARD WATER MAIN MALLETS CREEK

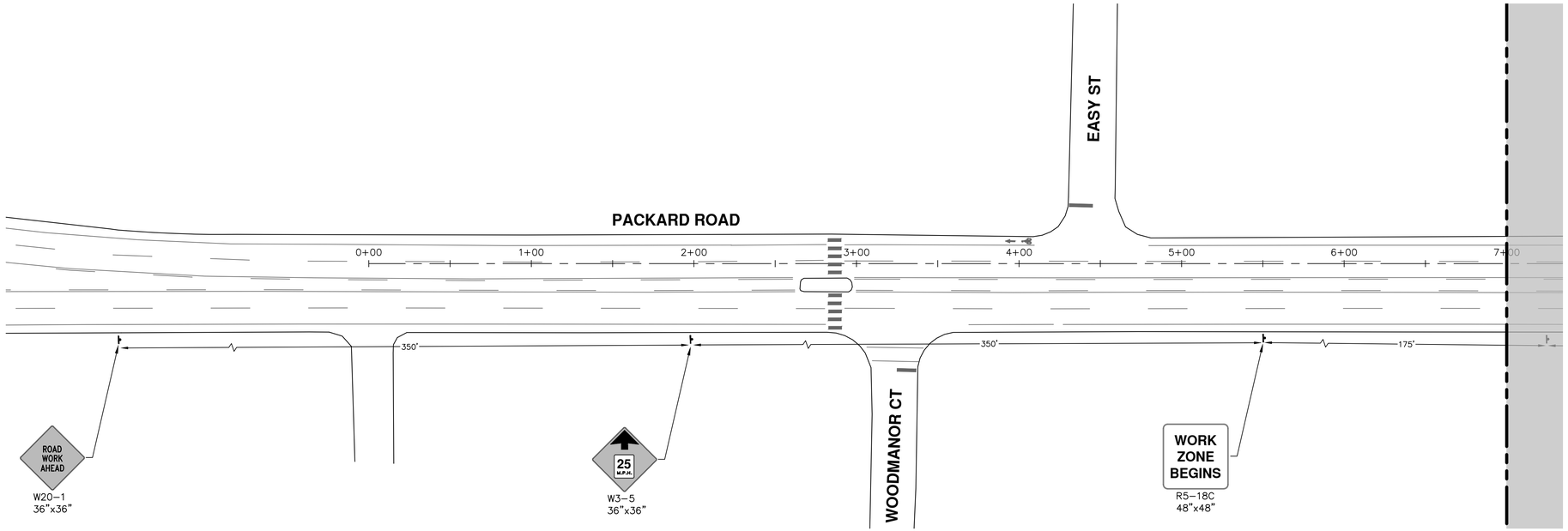
LEGEND

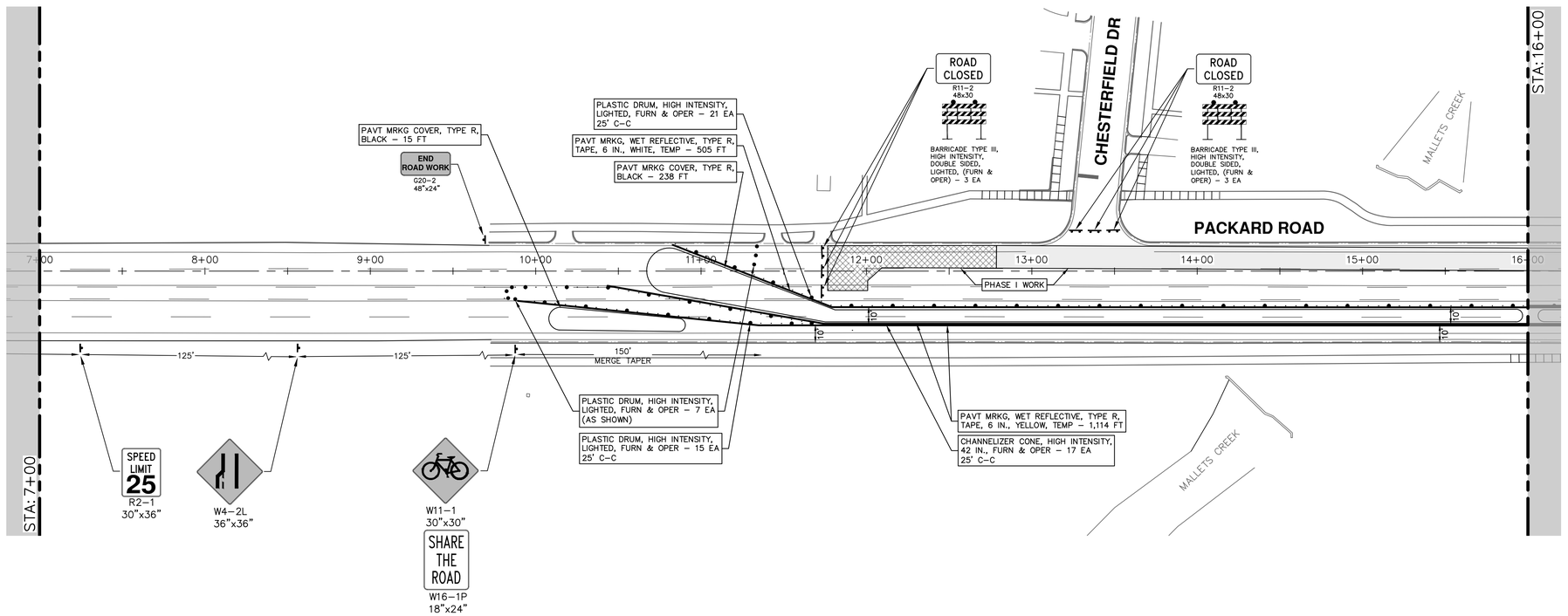
SCALE : NTS

DRAWING No. 2025013-3

SHEET No. 3 OF 11

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PACKARD WATER MAIN MALLETS CREEK

MAINTENANCE OF TRAFFIC - PH. I - WM HDPE DIRECTIONAL DRILL

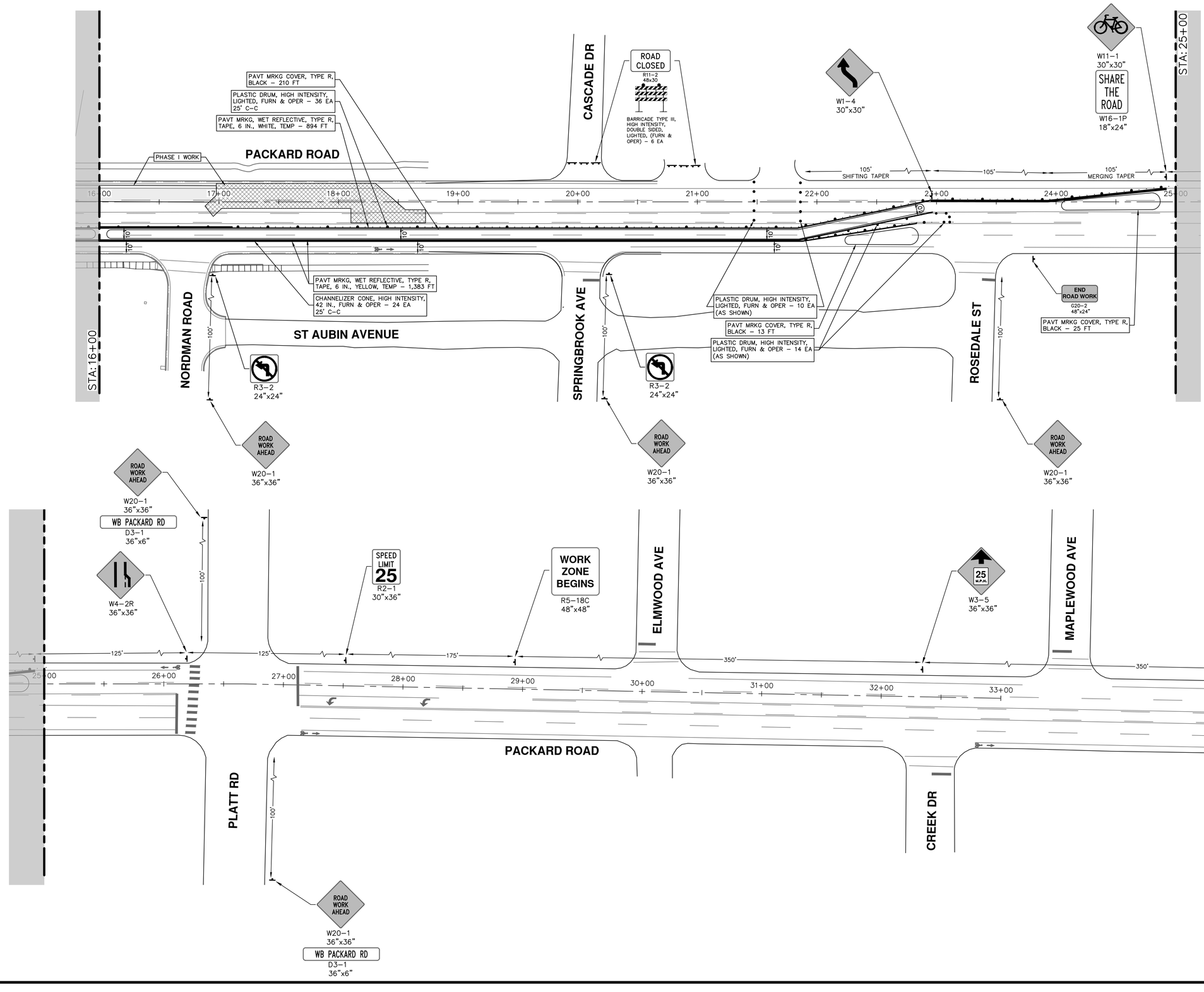
P.O.B. - STA. 16+00

SCALE : 1" = 40'

DRAWING No. 2025013-4

SHEET No. 4 OF 11

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R:\2025013 Packard WM Mallets Creek\Plan Production\2025013Mtrfl.dwg Dwg Created: 18–May–26 — _a2 standard bw.stb — Plot Date: 11–Nov–26

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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	OUT FOR BID	11–12–26	A2D	AC

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PACKARD WATER MAIN MALLETS CREEK

MAINTENANCE OF TRAFFIC - PH. I - WM HDPE DIRECTIONAL DRILL

STA. 16+00 - P.O.E.

SCALE : 1" = 40'

DRAWING No. 2025013-5

SHEET No.

5 OF 11

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

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	OUT FOR BID	11-12-26	A2D	AC

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PACKARD WATER MAIN MALLETS CREEK

MAINTENANCE OF TRAFFIC - PH. II - WM CONNECTIONS AND ABANDONMENT

P.O.B. - STA. 18+00

SCALE : 1" = 40'

DRAWING No. 2025013-6

SHEET No. 6 OF 11

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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	OUT FOR BID	11-12-26	A2D	AC

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PACKARD WATER MAIN MALLETS CREEK

MAINTENANCE OF TRAFFIC - PH. II - WM CONNECTIONS AND ABANDONMENT

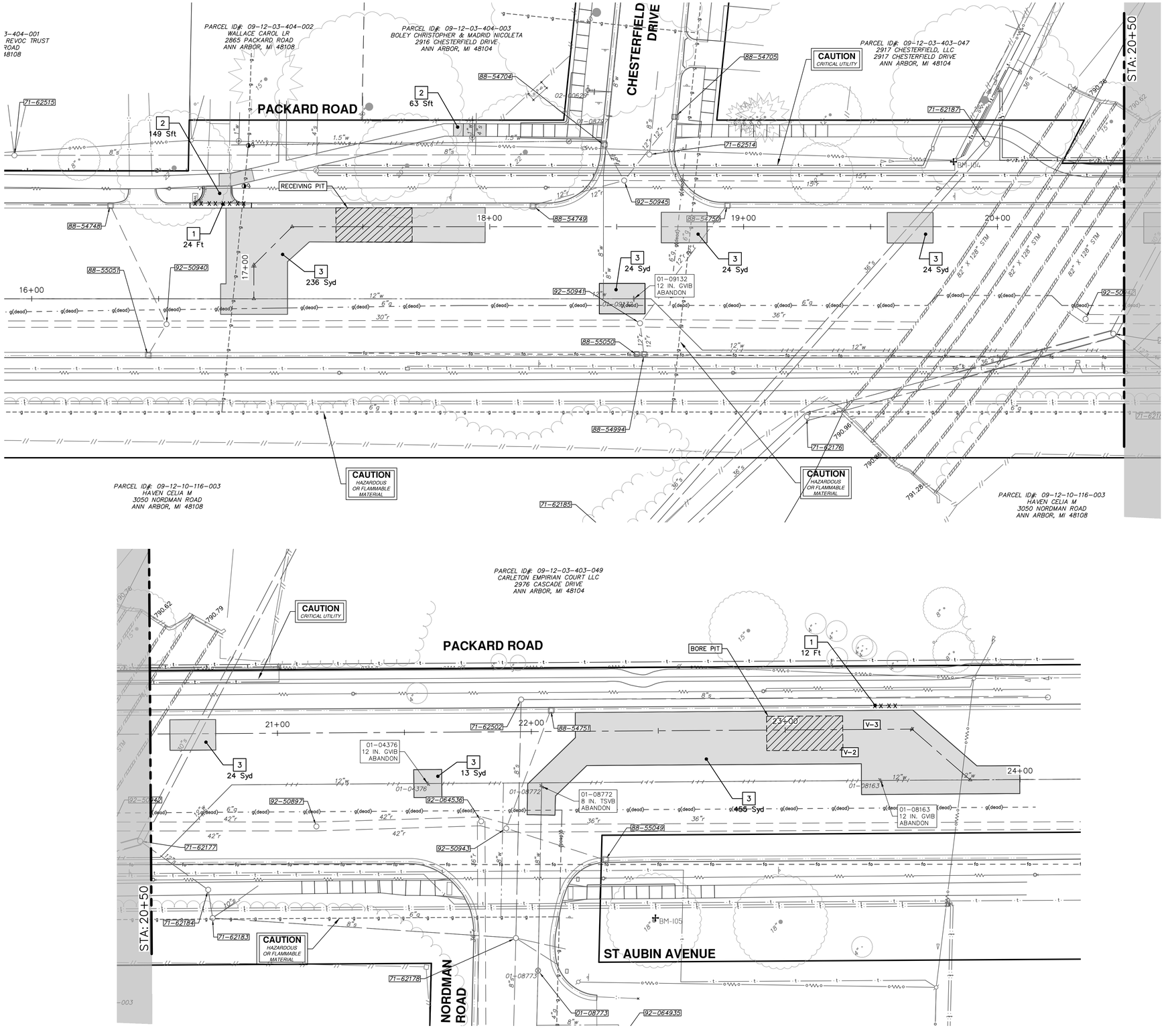
STA. 18+00 - P.O.E.

SCALE : #######

DRAWING No. 2025013-7

SHEET No. 7 OF 11

R:\2025013 Packard WM Mallets Creek\Plan Production\2025013Mtrf.dwg Dwg Created: 18-May-26 -- _a2 standard bw.stb - Plot Date: 11-Nov-26



REMOVAL KEY

KEY	DESCRIPTION
1	Curb, Gutter, and Curb and Gutter, Any Type, Rem *
2	Sidewalk, Sidewalk Ramp, and Driveway Approach, Any Thickness, Rem
3	HMA, Any Thickness, Rem *
4	Tree Protective Fence
5	Erosion Control, Inlet Protection, Fabric Drop
6A	Tree, Rem, 6 In. – 12 In.
6B	Tree, Rem, 13 In. – 19 In.
6C	Tree, Rem, 20 In. – 29 In.

* **SAWCUT FULL DEPTH AT REMOVAL LIMITS AS DIRECTED BY ENGINEER**

Know what's **below.** **Call** before you dig. 811

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	OUT FOR BID	11-12-26	A2D	AC

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PACKARD WATER MAIN MALLETS CREEK

REMOVALS

P.O.B. - P.O.E.

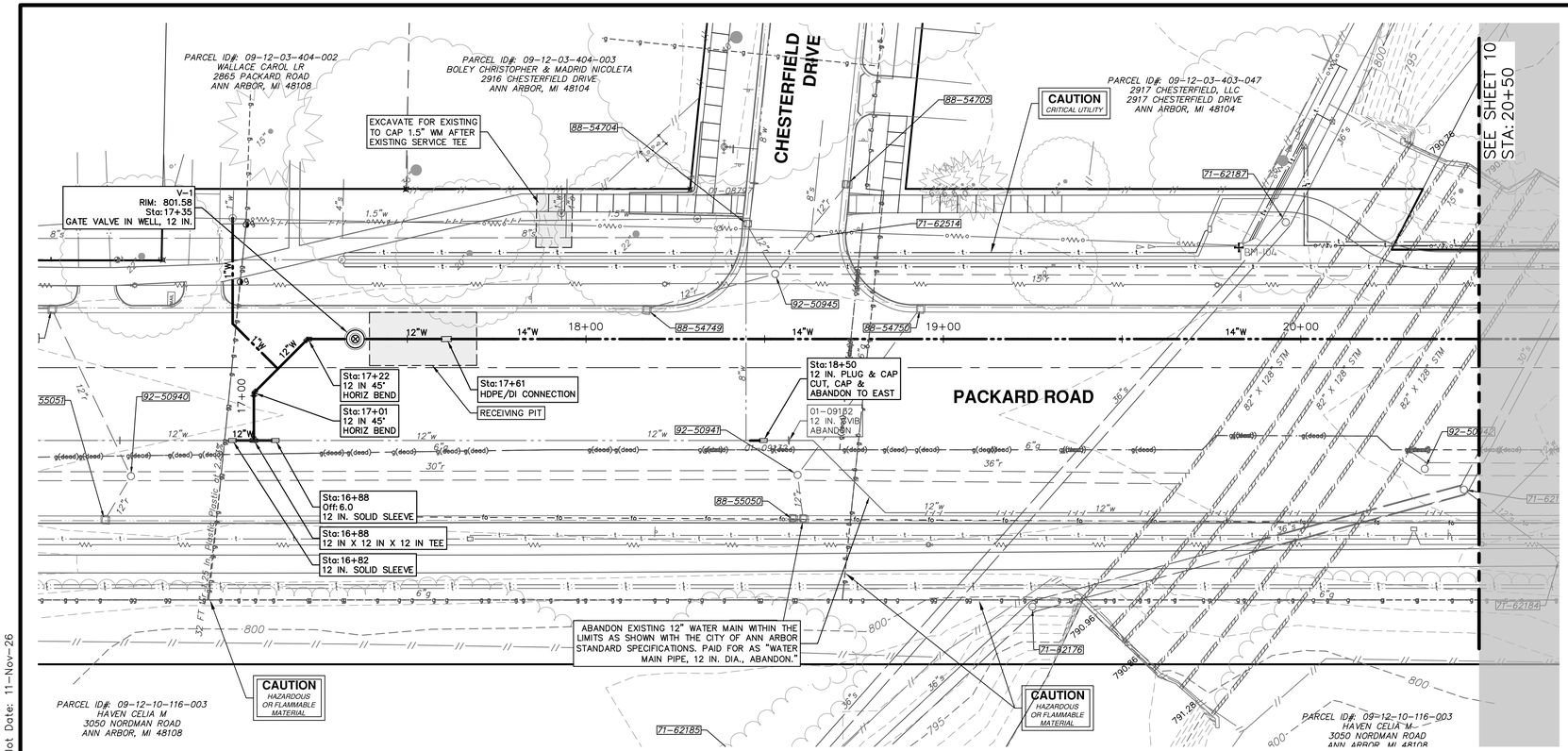
SCALE **PLAN: 1" = 20'**

DRAWING No. **2025013-8**

SHEET No. **8 OF 11**

R:\2025013 Packard WM Mallets Creek\Plan Production\2025013Rem.dwg Dwg Created: 30-Mar-26 – _a2 standard bw.stb – Plot Date: 11-Nov-26

R: \2025013 Packard WM Mallets Creek\Plan Production\2025013Watr.dwg Dwg Created: 11-Nov-26 - _a2 standard bw.stb - Plot Date: 11-Nov-26



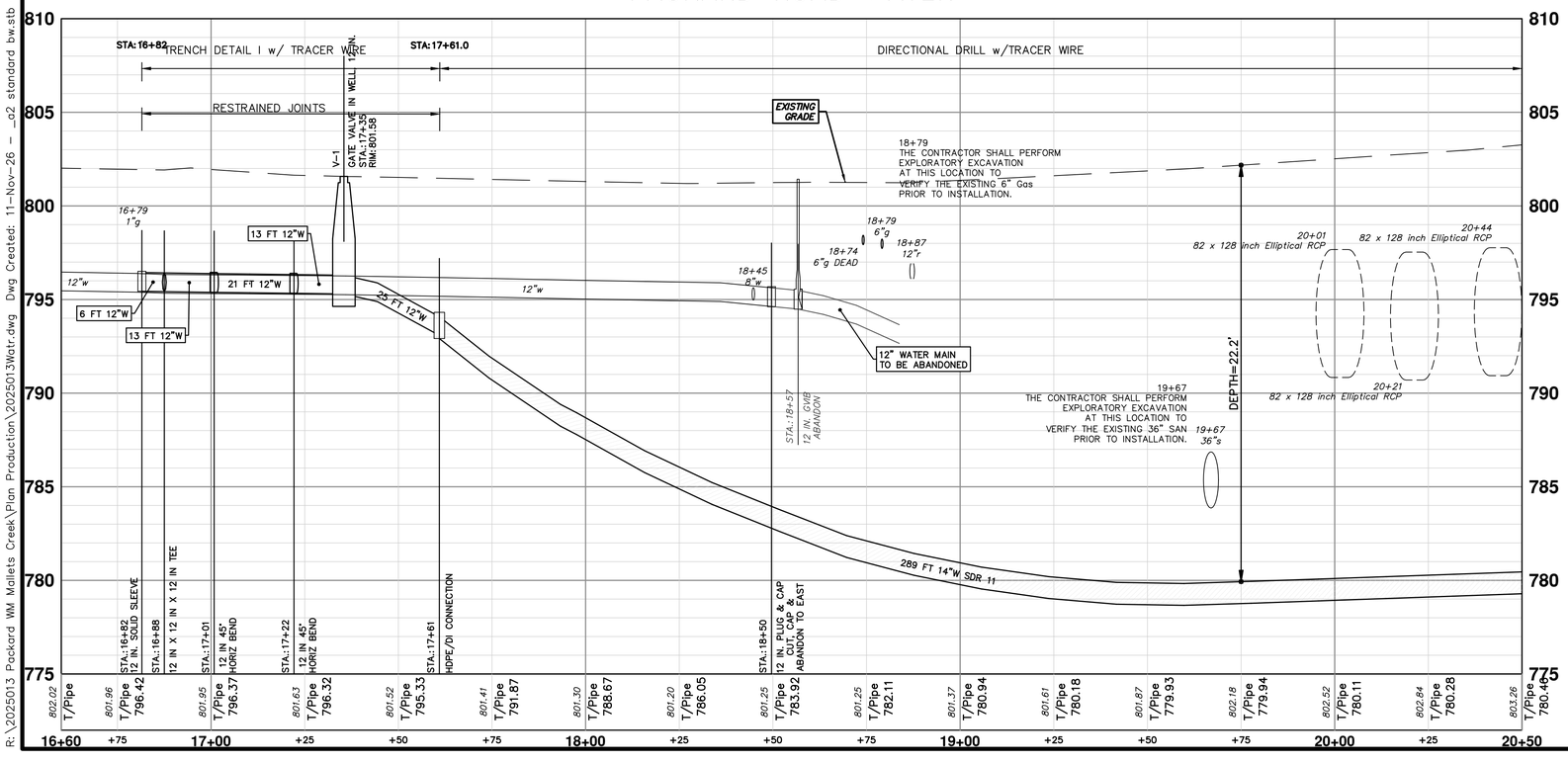
WHERE EXISTING WATER MAIN IS EXPOSED FOR A CONNECTION OR APPURTENANCE INSTALLATION, THE CONTRACTOR SHALL INSTALL ONE SACRIFICIAL ANODE ON THE EXISTING PIPE. IF THE NEW FITTING IS INSTALLED IN-LINE WITH THE EXISTING MAIN, SUCH AS AT A CUT-IN TEE OR VALVE INSERTION, ONE ANODE SHALL BE INSTALLED ON THE EXISTING PIPE TO EACH SIDE OF THE NEW FITTING. EACH ANODE INSTALLED ON EXISTING WATER MAIN WILL BE PAID FOR AS "SACRIFICIAL ANODE, 34 LB"

THE CONTRACTOR SHALL REMOVE AND ABANDON THE NECESSARY PORTIONS OF THE EXISTING WATER MAINS IN ORDER TO FACILITATE THE PROPOSED WATER MAIN INTER-CONNECTION. ALL COSTS ASSOCIATED WITH PERFORMING THE INTER-CONNECTION, COORDINATING UTILITY SHUTDOWNS, ABANDONING WATER MAIN, RE-ABANDONING THE WATER MAIN AND ALL RELATED WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE RELATED ITEMS OF WORK.

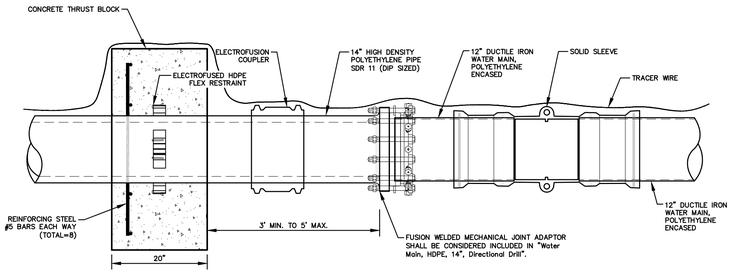
WATER MAIN STRUCTURES

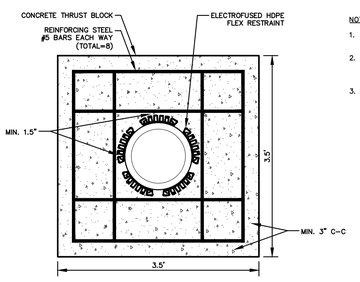
STRUCTURE	TYPE	STATION	RIM
V-1	Gate Valve in Well, 12 In.	17+35	801.58

PACKARD ROAD WATER



HDPE/DI WATER MAIN CONNECTION WITH FLEX RING AND RESTRAINT





NOTES:
1. AS DIRECTED BY THE ENGINEER, THE CONC BLOCK MAY BE ADJUSTED BASED ON ACTUAL SOIL CONDITIONS.
2. HDPE FLEX RESTRAINTS TO COMPLY WITH MANUFACTURER'S REQUIREMENTS FOR NUMBER OF RESTRAINTS; HDPE 14" SHALL USE A MINIMUM OF FIVE (5).
3. HDPE FLEX RESTRAINTS MUST BE RATED AT MINIMUM OF 9,000 LBS OF FORCE.

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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	OUT FOR BID	11-12-26	A2D	AC

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(734) 794-6410
www.a2gov.org

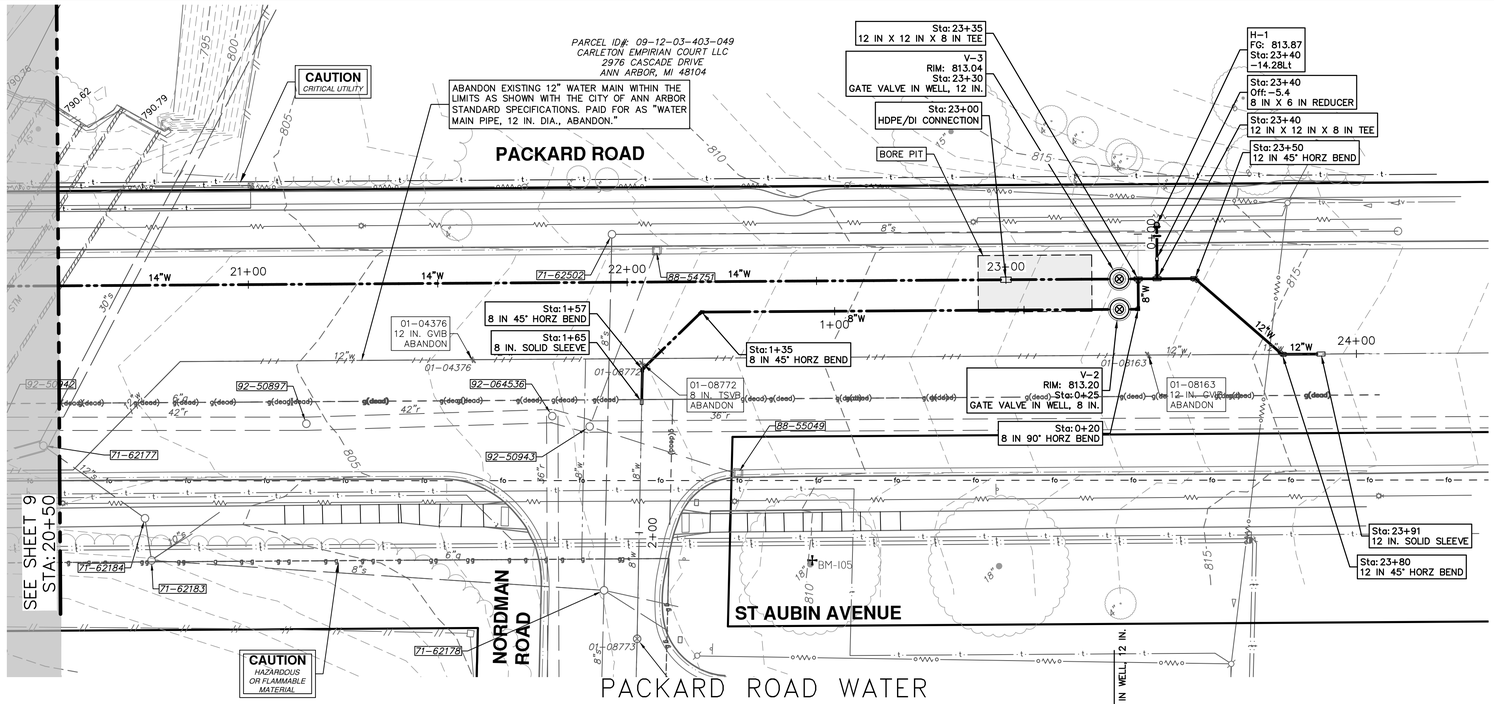
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PACKARD WATER MAIN MALLETS CREEK
PACKARD WATER PLAN & PROFILE
P.O.B. - STA. 20+50

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2025013-9

SHEET No. 9 OF 11



WHERE EXISTING WATER MAIN IS EXPOSED FOR A CONNECTION OR APPURTENANCE INSTALLATION, THE CONTRACTOR SHALL INSTALL ONE SACRIFICIAL ANODE ON THE EXISTING PIPE. IF THE NEW FITTING IS INSTALLED IN-LINE WITH THE EXISTING MAIN, SUCH AS AT A CUT-IN TEE OR VALVE INSERTION, ONE ANODE SHALL BE INSTALLED ON THE EXISTING PIPE TO EACH SIDE OF THE NEW FITTING. EACH ANODE INSTALLED ON EXISTING WATER MAIN WILL BE PAID FOR AS "SACRIFICIAL ANODE, 34 LB"

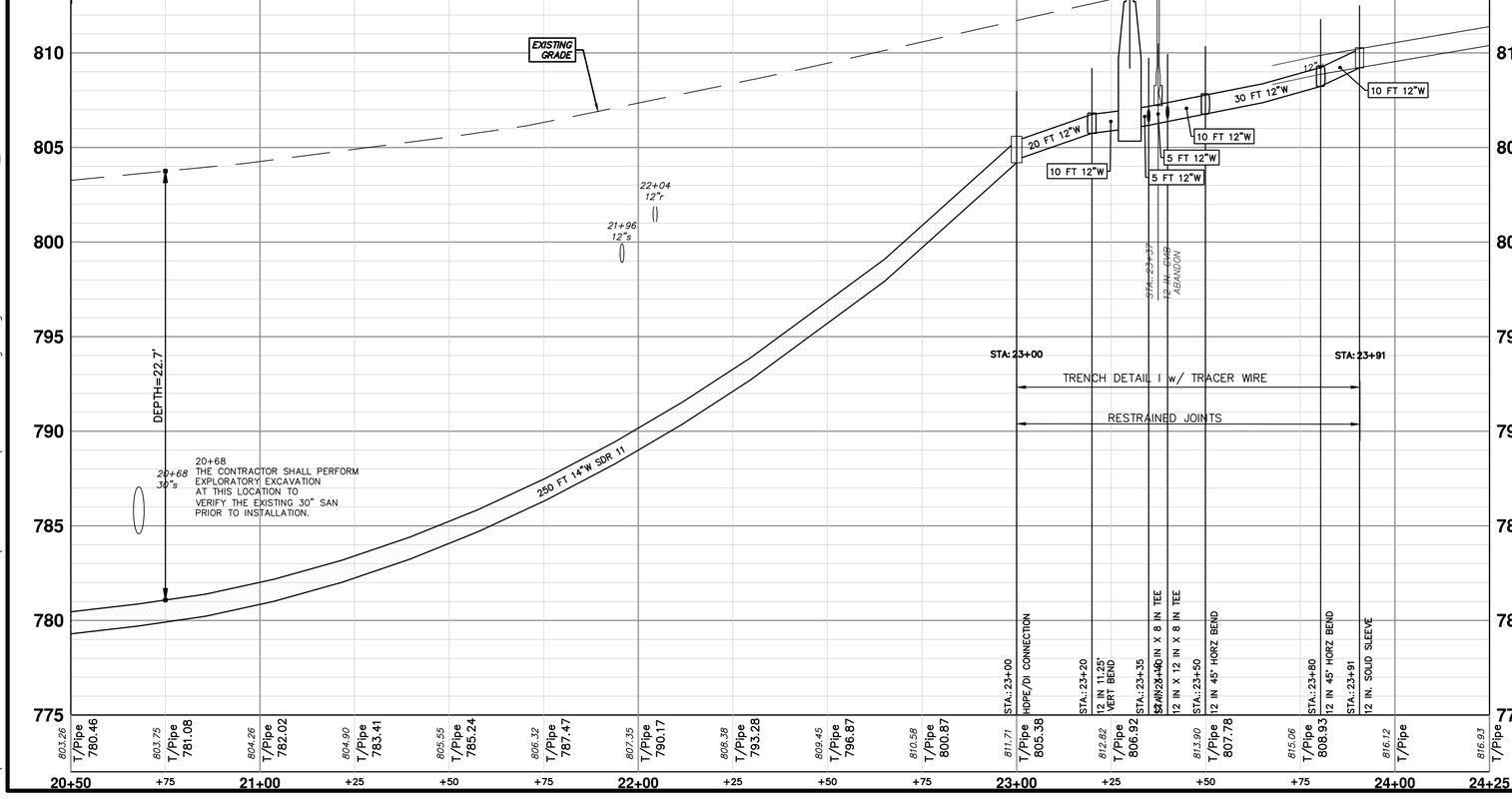
THE CONTRACTOR SHALL REMOVE AND ABANDON THE NECESSARY PORTIONS OF THE EXISTING WATER MAINS IN ORDER TO FACILITATE THE PROPOSED WATER MAIN INTER-CONNECTION. ALL COSTS ASSOCIATED WITH PERFORMING THE INTER-CONNECTION, COORDINATING UTILITY SHUTDOWNS, ABANDONING WATER MAIN, RE-ABANDONING THE WATER MAIN AND ALL RELATED WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE RELATED ITEMS OF WORK.

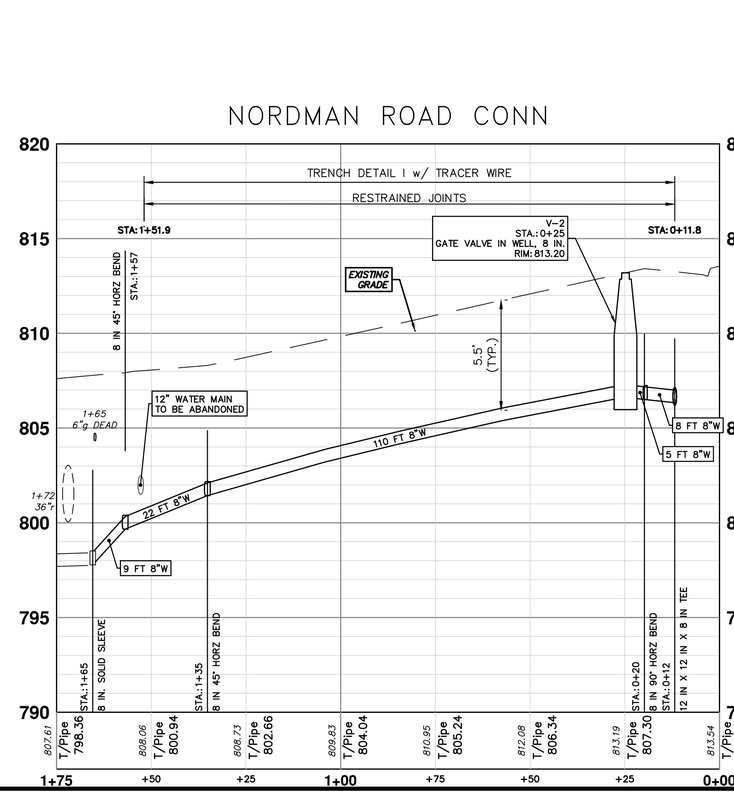
WATER MAIN STRUCTURES

STRUCTURE	TYPE	STATION	RIM
V-2	Gate Valve in Well, 8 In.	0+25	813.20
V-3	Gate Valve in Well, 12 In.	23+30	813.04

WATER HYDRANT(S)

NUMBER	TYPE	STATION	FG
H-1	Hydrant Assembly	23+40	813.87





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PACKARD WATER MAIN MALLETS CREEK

PACKARD WATER PLAN & PROFILE

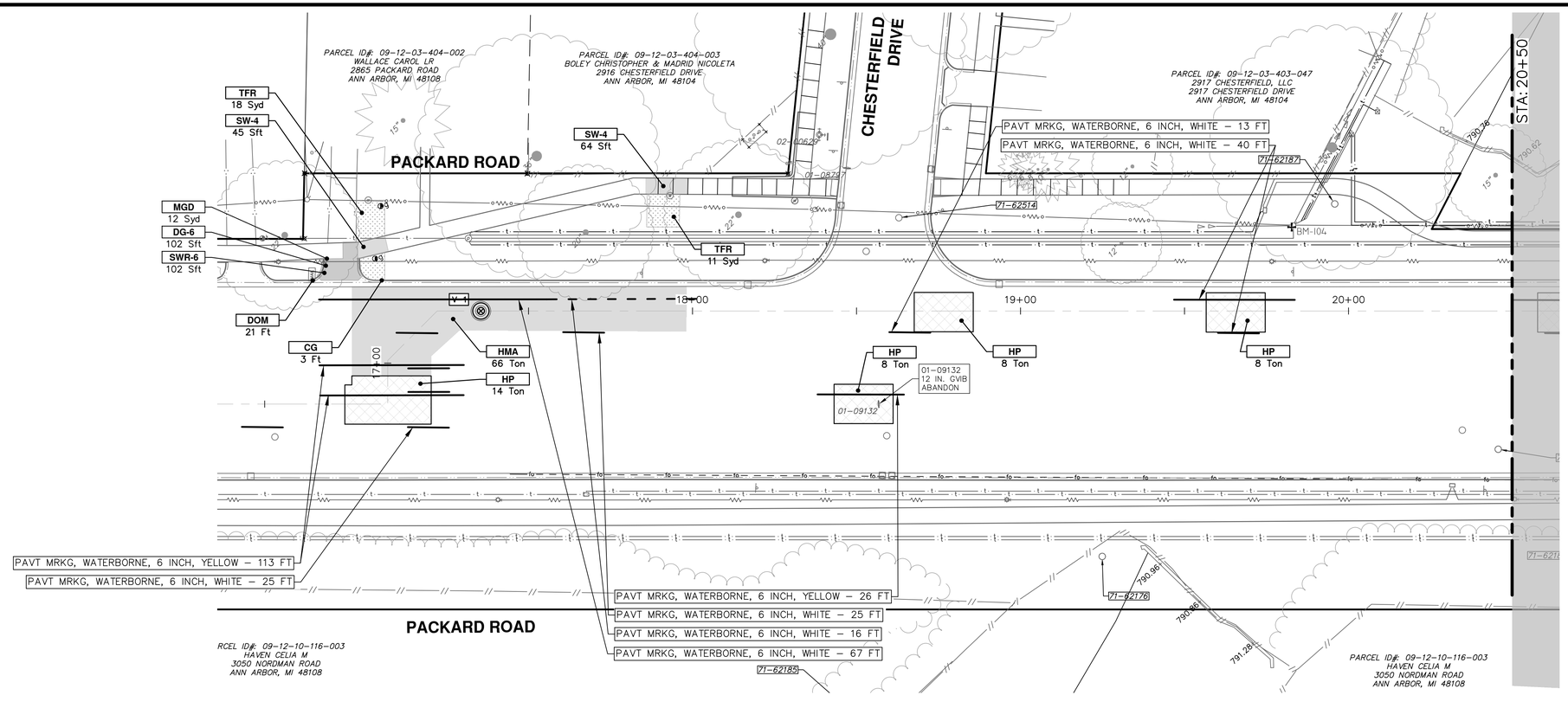
STA. 20+50 - P.O.E.

SCALE PLAN: 1" = 20' PROFILE: 1" = 4'

DRAWING No. 2025013-10

SHEET No. 10 OF 11

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CONSTRUCTION KEY

KEY	DESCRIPTION
HMA	PLACE HMA, PLACE MATERIAL IN LIFTS ACCORDING TO THE TYPICAL SECTION AND AS DIRECTED BY THE ENGINEER.
HMA APP	HMA Approach
HP	Hand Patching
CG	Conc, Curb or Curb & Gutter, All Types
DOM	Conc, Driveway Opening, Type M
DOM-HE	Conc, Driveway Opening, Type M, High Early
DG-6	DRIVEWAY GRAVEL 6 INCH 21AA LIMESTONE, C.I.P.
MGD	MACHINE GRADING, DRIVEWAY
SW-4	Conc, Sidewalk, 4 In.
SWR-6	Conc, Sidewalk, Drive Approach, or Ramp, 6 In.
SW6-HE	Conc, Sidewalk, Drive Approach, or Ramp, 6 In., High Early
SW8	Conc, Sidewalk, Drive Approach, or Ramp, 8 In.
DWS	Detectable Warning Surface
ABO	ADJUST BY OTHERS
AMB	Monument Box, Adjust
AGB	Gate Box, Adjust
RSA	Storm Structure Cover, Adjust
SSA	Sanitary Structure Cover, Adjust
WSA	Water Structure Cover, Adjust
TFR	Turf Restoration

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PACKARD WATER MAIN MALLETS CREEK
RESTORATION
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SCALE PLAN: 1" = 20'

DRAWING No. 2025013-11

SHEET No.
11 OF 11

R:\2025013 Packard WM Mallets Creek\Plan Production\2025013Prd.dwg Dwg Created: 31-Mar-26 — _a2 standard bw.stb — Plot Date: 11-Nov-26