

CITY OF KALAMAZOO

VANDERSALM CT WATER MAIN

Kalamazoo County, Michigan

7/30/26

OWNER

City of Kalamazoo
415 E Stockbridge Ave.
Kalamazoo, MI 49001

PLANS PREPARED BY:



hurley & stewart, llc
2800 s. 11th street
kalamazoo, michigan 49009
269.552.4960 fax 269.552.4961
www.hurleystewart.com

UTILITY CONTACTS:

CHARTER COMMUNICATIONS, 4176 COMMERCIAL AVENUE PORTAGE, MI 49002 (269) 459-8746 BRYAN.LONGCORE2@CHARTER.COM	CABLE	Q3 TECHNOLOGIES, LLC, 1005 FOSTER AVENUE KALAMAZOO, MI 49048 (269) 377-1308, TROY QUAKENBUSH TQUAKENBUSH@Q3-TECH.COM	
CONSUMERS ENERGY, 2500 EAST CORK STREET KALAMAZOO, MI 49001 (269) 337-2245, MR. ANDRE TAYLOR ANDRE.TAYLOR@CMSENERGY.COM	ELECTRIC	CTS TELECOM, 13800 EAST MICHIGAN AVENUE GALESBURG, MI 49053 (269) 746-3232, MR. TOM CADY TCADY@CTSTELECOM.COM	
CONSUMERS ENERGY, 2500 EAST CORK STREET KALAMAZOO, MI 49001 (26) 337-2366, MR. KYLE OAK KYLE.OAK@CMSENERGY.COM	GAS	CITY OF KALAMAZOO, 415 STOCKBRIDGE AVENUE KALAMAZOO, MI 49001 (269) 337-8558, DEBBIE JUNG JUNGDB@KALAMAZOOCITY.ORG	WATER
AT&T, 2919 MILLCORK STREET KALAMAZOO, MI 49001 (269) 384-4475, MR. TODD BERGHUIS TB1973@ATT.COM	TELEPHONE	CITY OF KALAMAZOO, 1415 NORTH HARRISON STREET KALAMAZOO, MI 49007 (269) 337-8551, MR. RYAN STOUGHTON STOUGHTONR@KALAMAZOOCITY.ORG	SEWER
CITY OF KALAMAZOO, 415 STOCKBRIDGE AVENUE KALAMAZOO, MI 49001 (269) 337-8601, MR. RON RIDENOUR RIDENOURR@KALAMAZOOCITY.ORG	FIBER OPTIC		

CONTRACT FOR ROAD IMPROVEMENTS

IMPROVEMENTS TO KALAMAZOO WATER MAIN. CONSTRUCTION SERVICES FOR INSTALLATION OF 6" WATER MAIN IN PUBLIC RIGHT-OF-WAY, INSTALLATION AND CONNECTION OF PRIVATE SERVICES, EASEMENT, AND ABANDONMENT OF EXISTING WATER MAIN. PAVEMENT, DRIVEWAY, AND SIDEWALK REPLACEMENTS. ALL WATER MAIN AND SERVICE WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF KALAMAZOO STANDARD SPECIFICATIONS FOR WATER MAIN AND SERVICE INSTALLATION, 2021.

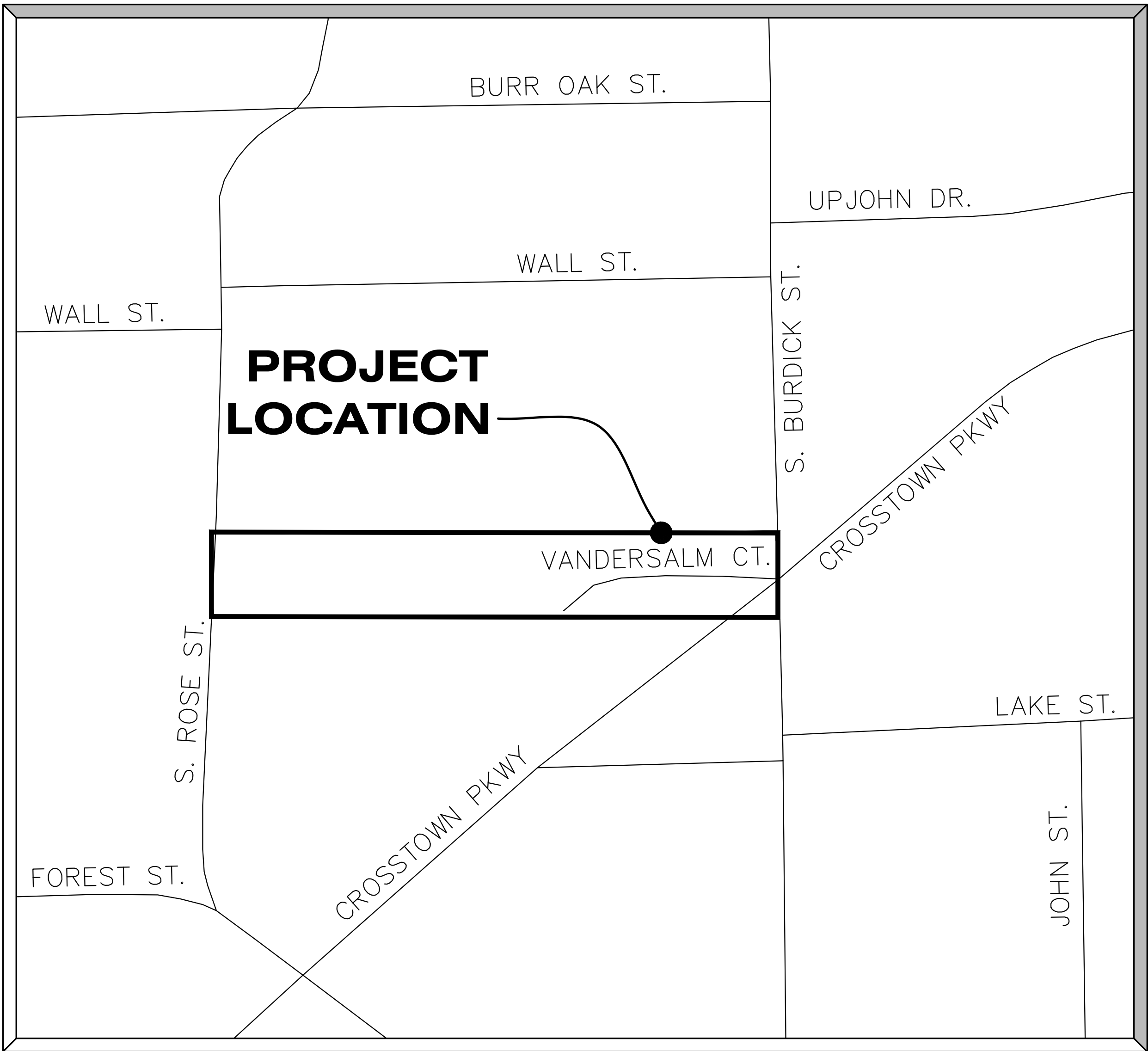


CITY OF KALAMAZOO
VANDERSALM CT
KALAMAZOO, MI 49001

DEBBIE JUNG

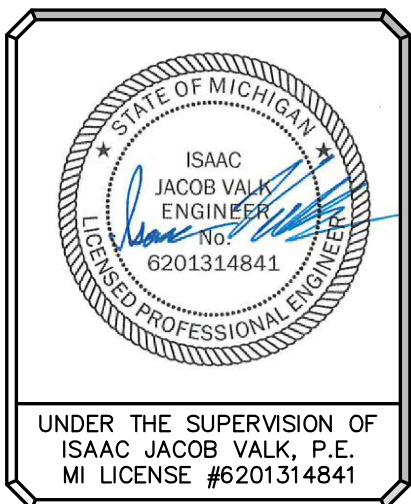
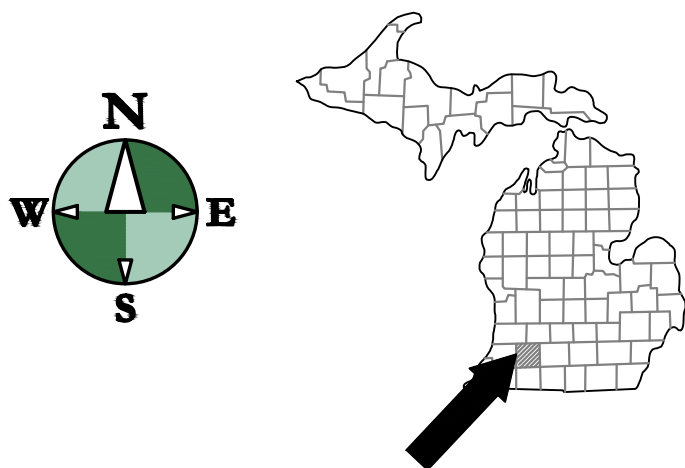
SENIOR CIVIL ENGINEER
WATER RESOURCES
DIVISION

DATE



DRAWING INDEX

SHT #	DESCRIPTION
C-0	TITLE SHEET
C-1	PROJECT NOTES & LEGEND
C-2	REMOVAL PLAN
C-3	CONSTRUCTION PLAN & PROFILE
C-4	RESTORATION PLAN & PROFILE
C-5	SESC PLAN
C-6	DETAILS
C-7	MAINTENANCE OF TRAFFIC PLAN



ALL UTILITIES AS SHOWN ARE APPROXIMATE LOCATIONS DERIVED FROM ACTUAL MEASUREMENTS AND AVAILABLE RECORDS. THEY SHOULD NOT BE INTERPRETED TO BE EXACT LOCATION NOR SHOULD IT BE ASSUMED THAT THEY ARE THE ONLY UTILITIES IN THE AREA.

FIELD WORK PERFORMED BY:
HURLEY & STEWART, LLC

BID DOCUMENTS
5/1/26

← BM ##	BENCH MARK	GY WIRE	CONTOUR HIGHLIGHTED
□	SET MONUMENT	Ⓜ	CONTOUR NORMAL
■	FOUND MONUMENT	Ⓜ	POWER LINE
	SET CAPPED IRON LIC. # 57885	Ⓜ	MISS DIG COMMUNICATION
●	FOUND IRON	Ⓜ	MISS DIG ELECTRIC
⊗	SET CHISELED "x"	Ⓜ	MISS DIG FIBEROPTIC
⊗	FOUND CHISELED "x"	Ⓜ	MISS DIG GAS
△	CONTROL POINT	Ⓜ	MISS DIG SANITARY SEWER
P=	PLATTED	Ⓜ	MISS DIG STORMWATER
D=	DESCRIBED	Ⓜ	MISS DIG TELEPHONE
M=	MEASURED	Ⓜ	MISS DIG WATER
R=	RECORD	Ⓜ	MISS DIG UNKNOWN
C=	CALCULATED	Ⓜ	TRIE LINE
▤	CURB CATCH BASIN	Ⓜ	FENCE
▤	SQUARE CATCH BASIN	Ⓜ	GUARD RAIL
⊗	ROUND CATCH BASIN	Ⓜ	PAVEMENT
Ⓜ	MANHOLE STORM	Ⓜ	CONCRETE SURFACE
Ⓜ	MANHOLE SANITARY	Ⓜ	DECIDUOUS TREE
Ⓜ	SANITARY CLEANOUT	Ⓜ	CANIFEROUS TREE
Ⓜ	FIRE HYDRANT	Ⓜ	BUSH
Ⓜ	WATER VALVE	Ⓜ	
Ⓜ	WATER METER	Ⓜ	
Ⓜ	WELL HEAD	Ⓜ	
Ⓜ	SPRINKLER CONTROL VALVE	Ⓜ	
Ⓜ	SPRINKLER HEAD	Ⓜ	
Ⓜ	BOLLARD	Ⓜ	
Ⓜ	AIR CONDITIONER	Ⓜ	
Ⓜ	FIRE DEPARTMENT CONNECTION	Ⓜ	
Ⓜ	DOWN SPOUT	Ⓜ	
Ⓜ	COMMUNICATION MANHOLE	Ⓜ	
Ⓜ	FLARED END SECTION	Ⓜ	
Ⓜ	FLAG	Ⓜ	
Ⓜ	CFLAG	Ⓜ	
Ⓜ	COLUMN	Ⓜ	
Ⓜ	MONITOR WELL	Ⓜ	
Ⓜ	PARK BENCH	Ⓜ	
Ⓜ	POST INDICATOR VALE	Ⓜ	
Ⓜ	PARKING METER	Ⓜ	
Ⓜ	POST	Ⓜ	
Ⓜ	SOIL BORING	Ⓜ	
Ⓜ	SPIGOT	Ⓜ	
Ⓜ	PIPE MARKER COMMUNICATIONS	Ⓜ	
Ⓜ	PIPE MARKER ELECTRIC	Ⓜ	
Ⓜ	PIPE MARKER GAS	Ⓜ	
Ⓜ	YARD DRAIN	Ⓜ	
Ⓜ	GAS METER	Ⓜ	
Ⓜ	GAS VALVE	Ⓜ	
Ⓜ	TELEPHONE MANHOLE	Ⓜ	
Ⓜ	RISER	Ⓜ	
Ⓜ	SIGN	Ⓜ	
Ⓜ	MAILBOX	Ⓜ	
Ⓜ	TRANSFORMER	Ⓜ	
Ⓜ	YARD LIGHT	Ⓜ	
Ⓜ	HAND HOLE (ELECTRIC)	Ⓜ	
Ⓜ	LIGHT POLE	Ⓜ	
Ⓜ	(UTILITY, GUY, POWER) POLE	Ⓜ	

1. VERIFY LOCATION AND ELEVATION OF EXISTING UTILITIES PRIOR TO ORDERING STRUCTURES AND CONSTRUCTION.
2. COORDINATE ALL TRAFFIC CONTROL WITH CITY OF KALAMAZOO.
3. PAYMENT FOR ALL WORK SHALL BE ACCORDING TO THE PAY ITEMS INDICATED. ANY WORK REQUIRED ON THE DRAWINGS BUT OTHERWISE NOT SPECIFICALLY COVERED BY A PAY ITEM SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
4. PAVEMENT MARKINGS AND SIGNAGE SHALL CONFORM TO THE CURRENT MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND MICHIGAN BARRIER FREE CODE.
5. IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS BECOME APPARENT, THESE SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION OF ANYTHING AFFECTED SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
6. EXCEPT WHERE OTHERWISE INDICATED ON THESE PLANS, ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND CITY OF KALAMAZOO STANDARDS SPECIFICATIONS.
7. FOR PROTECTION OF UNDERGROUND UTILITIES, THE CONTRACTOR SHALL CALL 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 OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

1. REVIEW ALL THE REMOVALS AND PROTECTION WITH OWNER PRIOR TO COMMENCING CONSTRUCTION. INSTALL TEMPORARY SNOW FENCE AROUND ALL TREES REQUIRING PROTECTION. SNOW FENCE SHALL BE PLACED AT EDGE OF DRIP LINE.
2. ALL REMOVALS SHALL BE TAKEN OFF-SITE AND DISPOSED OF. NO STOCKPILE OR BURNING OF DEBRIS IS ALLOWED.
3. COMPLY WITH ALL ASPECTS OF THE SOIL EROSION CONTROL PERMIT AS ISSUED BY CITY OF KAMAZOO. ALL TEMPORARY CONTROL MEASURES SHALL BE IN PLACE PRIOR TO COMMENCING CONSTRUCTION.
4. ALL REMOVALS SHALL BE TO THE LIMITS INDICATED UNLESS OTHERWISE DIRECTED BY THE ENGINEER. UNAUTHORIZED REMOVALS AND SUBSEQUENT REPLACEMENT SHALL BE AT THE CONTRACTOR'S EXPENSE.
5. CURB CUTS AND REMOVALS WILL BE DONE TO THE NEAREST EXISTING JOINT.
6. REMOVE, STORE, AND RESET ANY EXISTING SIGNS AS DIRECTED BY THE ENGINEER/CITY.
7. REMOVE ALL TREES TO THE CLEARING LIMITS AS SHOWN. REMOVE ALL EXISTING TREES, STUMPS AND BRUSH FROM THE SITE AS NECESSARY TO CONSTRUCT THE IMPROVEMENTS.

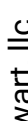
1. ALL SOIL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO MASS GRADING.
2. REMOVE AND REPLACE WITH CONTROLLED FILL ANY AREAS THAT HAVE BEEN SOFTENED BY RAINS, FREEZING, CONSTRUCTION EQUIPMENT, ETC.
3. ALL REQUIRED FILL FOR THIS PROJECT SHALL BE SELECTED EXCAVATED MATERIAL FROM THE SITE APPROVED BY THE ENGINEER OR CLASS II GRANULAR MATERIAL FROM BORROW AND SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
4. ALL GRANULAR FILL UNDER THE INFLUENCE OF THE ROADWAY AND PROCESSED ROAD GRAVEL SHALL BE COMPACTED TO 95% MODIFIED PROCTOR DENSITY UNLESS OTHERWISE NOTED.
5. ALL COMPACTION SHALL BE ACCOMPLISHED BY PLACING THE FILL IN 12" LOOSE LIFTS AND MECHANICALLY COMPACTING EACH LIFT TO AT LEAST THE SPECIFIED MINIMUM DRY DENSITY. FIELD DENSITY TESTS SHOULD BE PERFORMED ON EACH LIFT AS NECESSARY TO ENSURE THAT ADEQUATE MOISTURE CONDITIONS AND COMPACTION ARE BEING ACHIEVED.
6. CONTRACTOR SHALL REMOVE AND STOCKPILE ALL TOPSOIL AND BLACK ORGANIC SOILS ON-SITE TO BE USED IN THE REGRADING OF LANDSCAPE AREAS. THIS MATERIAL IS NOT TO BE USED FOR FILL OR PAVEMENT SUBBASE. REMOVAL OF ANY EXCESS SOIL OFF-SITE SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

1. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CITY OF KALAMAZOO STANDARD SPECIFICATIONS FOR WATER MAIN AND SERVICE INSTALLATION, 2021.
2. THE CONTRACTOR SHALL INSTALL PEDESTRIAN FENCE AROUND ALL EXCAVATIONS TO BE LEFT OPEN OVERNIGHT AS REQUIRED.
3. ANY UTILITIES REQUIRING DEWATERING SHALL BE INSTALLED TO THE CITY OF KALAMAZOO STANDARDS. CONTRACTOR IS RESPONSIBLE FOR ALL DEWATERING NECESSARY TO CONSTRUCT UTILITIES IN THE DRY.
4. DEWATERING MAY BE REQUIRED TO INSTALL OR REMOVE SOME UTILITIES. REFER TO SPECIFICATIONS FOR SPECIFIC REQUIREMENTS.
5. REMOVE ANY ACCUMULATED SEDIMENT FROM ALL STRUCTURES AND REMOVE SILT SACKS ONCE SITE IS ESTABLISHED.
6. PROVIDE 18" WATER MAIN SEPARATION WHEN CROSSING OTHER UTILITIES. DEFLECT UNDER OTHER UTILITIES W/O USING FITTINGS WHENEVER POSSIBLE.
7. ALL WATER MAIN SHALL BE POLYWRAPPED WITH V-BIO POLYWRAP.
8. RESTRAIN WATER MAIN AS DIRECTED IN ACCORDANCE WITH THE CITY OF KALAMAZOO STANDARD SPECIFICATIONS FOR WATER MAIN AND SERVICE INSTALLATION, 2021.
9. CONTRACTOR SHALL VERIFY GROUNDWATER DEPTH ALONG THE PROPOSED WATER MAIN ROUTE PRIOR TO CONSTRUCTION.

1. ALL WORK WILL COMPLY WITH THE PROVISIONS OF THE SOIL EROSION AND SEDIMENTATION CONTROL ACT (PA 347 OF 1972 AS AMENDED) ADMINISTERED BY THE CITY OF KALAMAZOO.
2. AVOID UNNECESSARY DISTURBING OR REMOVING EXISTING VEGETATED TOPSOIL OR EARTH COVER. THESE AREAS ACT AS SEDIMENT FILTERS.
3. CONTRACTOR ALL SHALL REFER TO MDOT & DMB SESC MANUAL FOR INSTALLATION SPECIFICATIONS FOR ALL TEMPORARY SESC MEASURES. TEMPORARY SOIL EROSION PROTECTION SHALL REMAIN IN PLACE UNTIL SITE IS ESTABLISHED.
4. INSTALL INLET PROTECTION AT ALL STORM SEWER STRUCTURES DURING CONSTRUCTION.
5. NO SITE WORK SHALL BEGIN UNTIL THE SESC MEASURES ARE INSTALLED.
6. THE CONTRACTOR SHALL SERVE AS THE CERTIFIED STORM WATER OPERATOR FOR THE PROJECT AND SHALL PROVIDE COPIES OF ALL INSPECTION REPORTS AND RECOMMENDATIONS TO THE ENGINEER.
7. PROVIDE SILT SACKS IN EACH CATCH BASIN UNTIL SITE IS STABILIZED.
8. CLEAN ADJACENT ROADWAYS AS DIRECTED BY ENGINEER. THIS IS CONSIDERED INCIDENTAL TO THE PROJECT.
9. WATER SITE AS DIRECTED BY ENGINEER TO PREVENT AIR BORNE SEDIMENT TRANSFER. THIS IS CONSIDERED INCIDENTAL TO THE PROJECT.
10. TO PREVENT OFFSITE TRACKING OF SEDIMENT, SWEEP THE ROADWAY AND CURB WEEKLY OR AS DIRECTED BY ENGINEER. IF SWEEPING IS LIKELY TO CREATE EXCESSIVE DUST, WET/DAMPEN SEDIMENTS PRIOR TO SWEEPING.

C-1

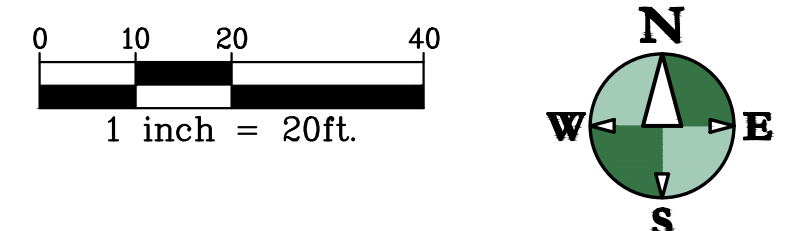
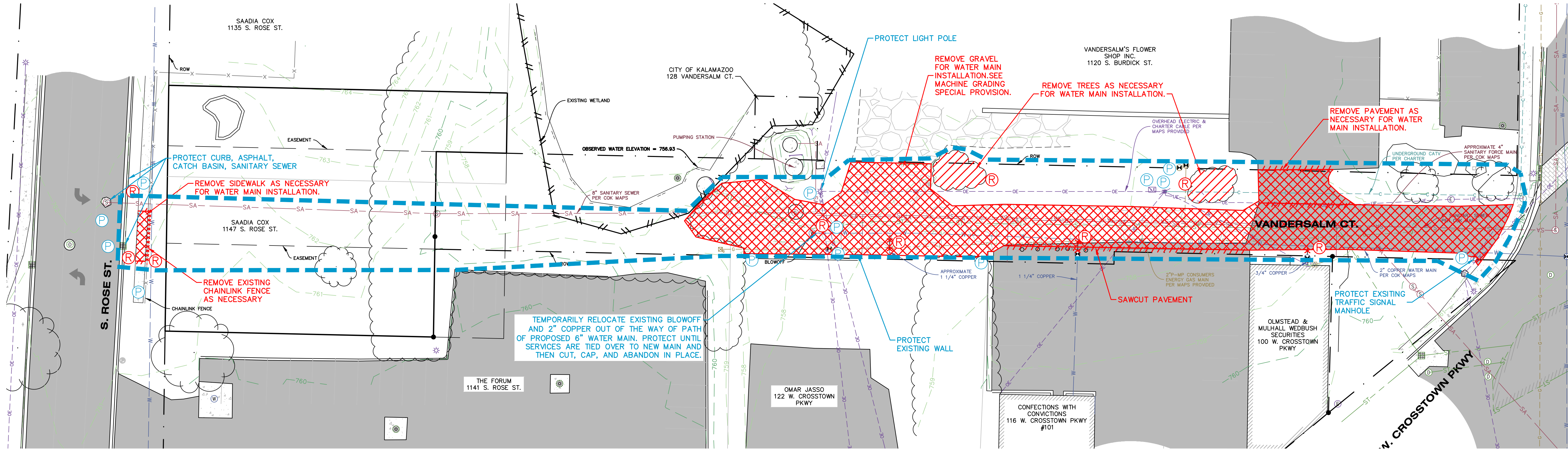
PROJECT NOTES & LEGEND
VANDERSALM CT WATER MAIN
CITY OF KALAMAZOO

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REVISIONS:

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#1 50% DESIGN SET	08/12/25
#2 90% DESIGN SET	12/03/25
#3 EGLE PERMIT SET	2/17/25
#4 BID DOCUMENTS	5/1/26

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REMOVALS LEGEND	
	SAWCUT
	PAVEMENT/SIDEWALK/GRAVEL REMOVAL
	UTILITY LINE REMOVAL
	TREE REMOVAL
	REMOVE
	PROTECT
	SALVAGE
	LIMITS OF CONSTRUCTION



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REMOVAL PLAN

VANDERSALM CT WATER MAIN

CITY OF KALAMAZOO

Sheet Title:

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Sheet

C-2

GRADING PLAN LEGEND

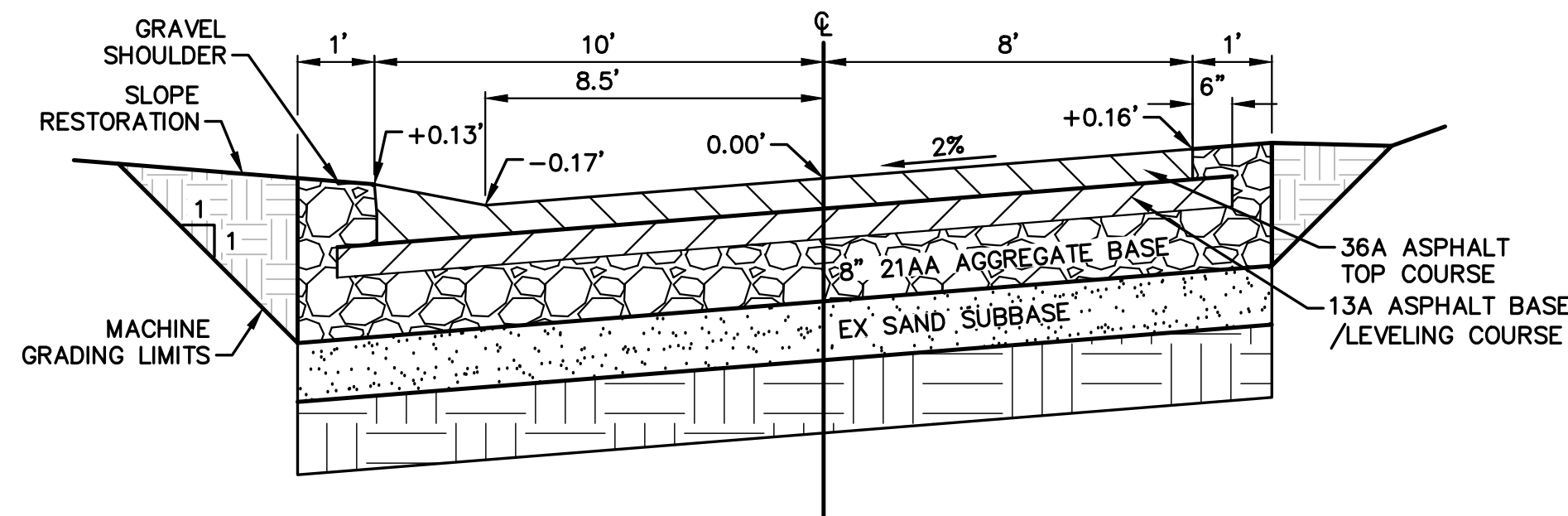
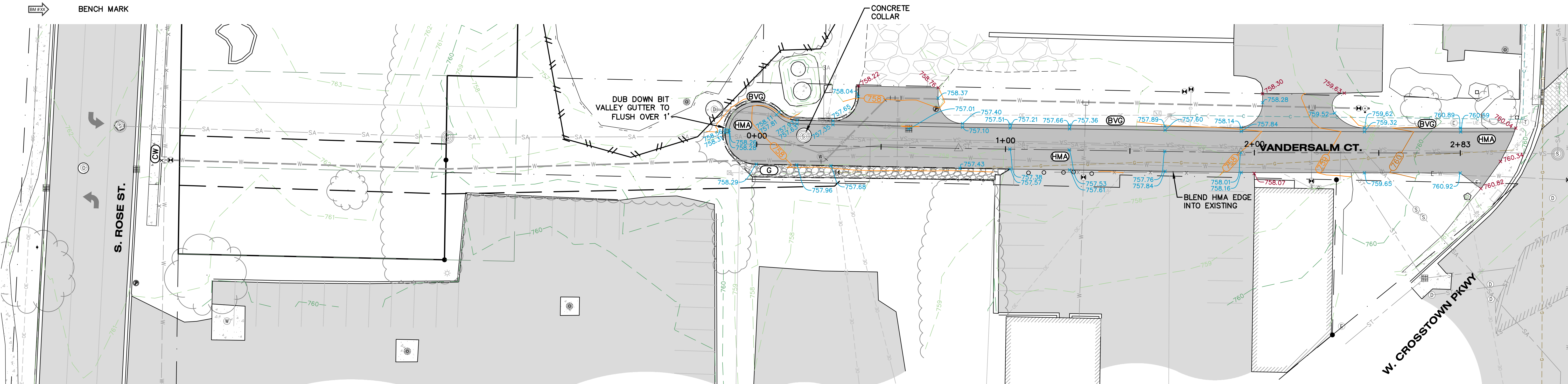
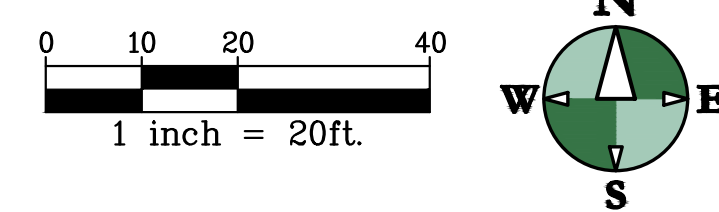
- PROPOSED CONTOUR 5-FT
- PROPOSED CONTOUR NORMAL
- EXISTING CONTOUR 5-FT
- EXISTING CONTOUR NORMAL
- PROPOSED SPOT GRADE
- PROPOSED SPOT GRADES: TOP AND BOTTOM OF CURB/WALL
- EXISTING SPOT GRADE
- PROPOSED SURFACE SLOPE
- SOIL BORING
- BENCH MARK

SITE LEGEND

- HMA PAVEMENT
- BIT VALLEY GUTTER
- CONCRETE WALK
- GRAVEL

RESTORATION LEGEND

- FULL DEPTH HMA PAVEMENT (SEE DETAIL)
- CONCRETE SIDEWALK (SEE DETAIL)
- GRAVEL SHOULDER (SEE DETAIL)
- EXISTING HMA PAVEMENT TO REMAIN



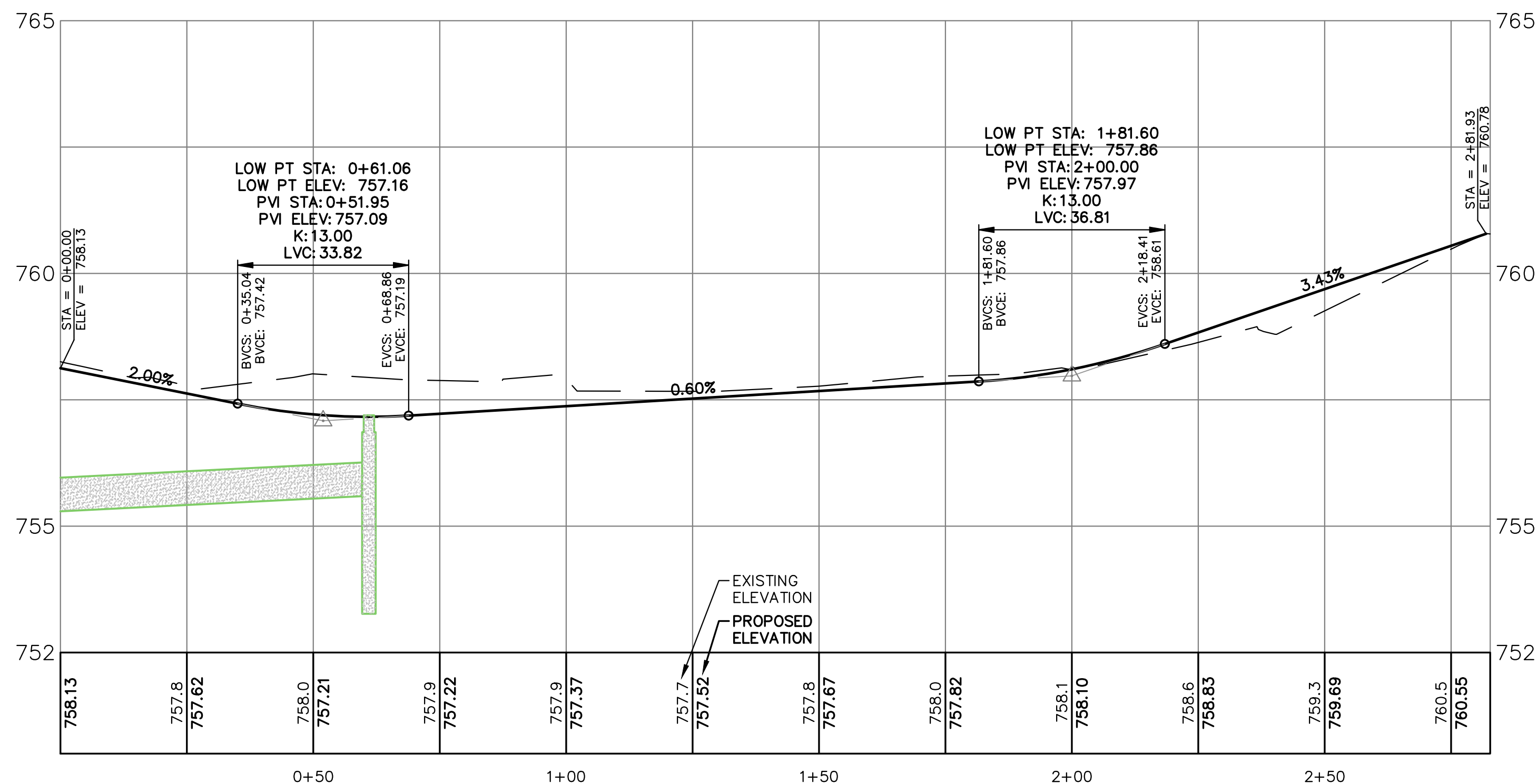
TYPICAL VANDERSALM RD CROSS SECTION

NOT TO SCALE

HMA APPLICATION ESTIMATE

IDENT NO.	ITEM	RATE PER SYD	PERFORMANCE GRADE	REMARKS
36A	HMA, 36A	165 LB	PG 64-28	TOP COURSE
13A	HMA, 13A	220 LB	PG 64-28	BASE/LEVELING COURSE
SS-1H	* BOND COAT, SS-1H	0.10 GAL		FULL COVERAGE

* FOR INFORMATION ONLY



VANDERSALM PROFILE



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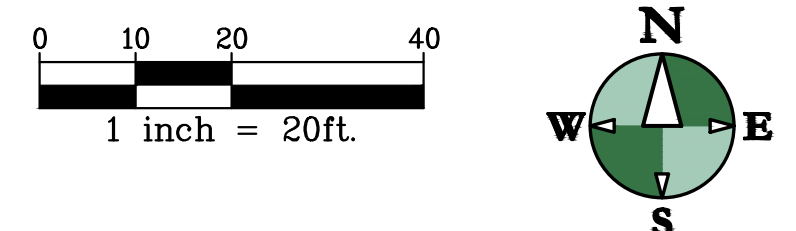
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Job No: 25-07110 - PM, LJV - Designer: NJR - QA/QC: 7/30/26		COPYRIGHT © of Hunley & S.	

RESTORATION PLAN & PROFILE VANDERSALM CT WATER MAIN CITY OF KALAMAZOO

Sheet Title:
Project:
Client:

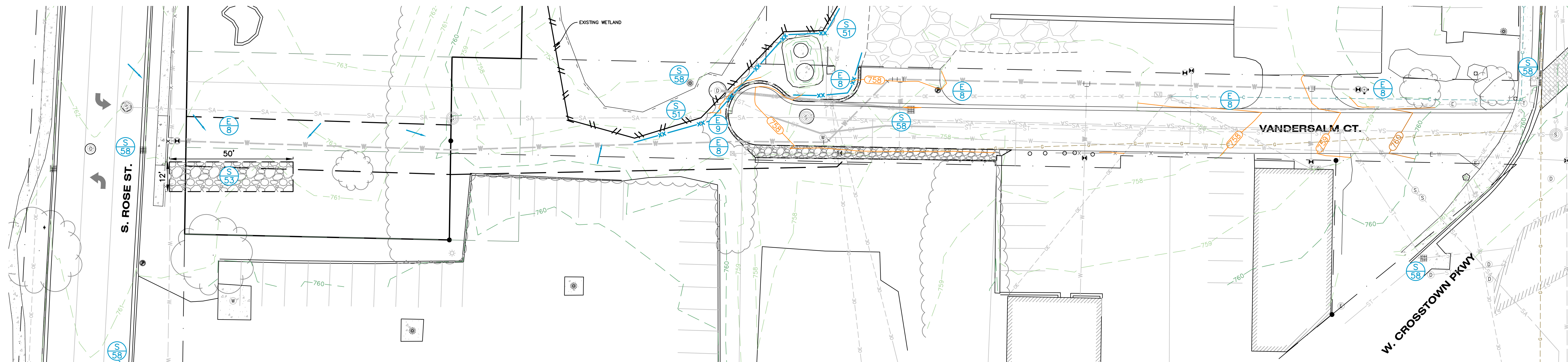
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C-4



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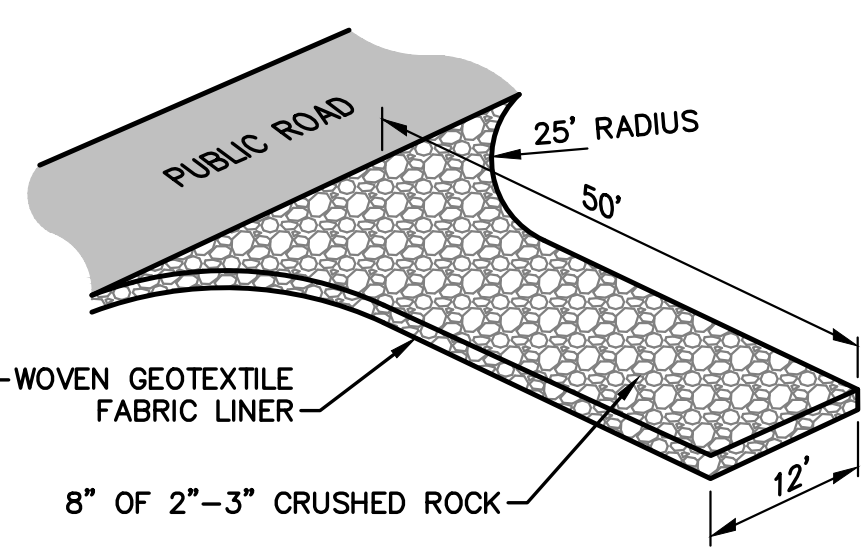


SOIL EROSION AND SEDIMENTATION CONTROL MEASURES

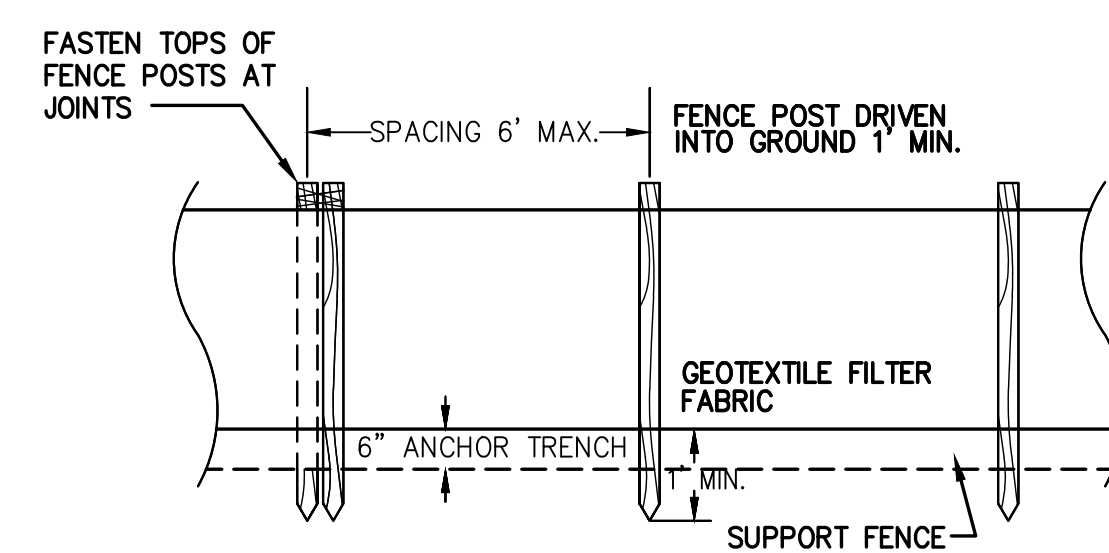
KEY	BEST MANAGEMENT PRACTICES	SYMBOL	WHERE USED
E8	PERMANENT SEEDING		Stabilization method utilized on sites where earth change has been completed (final grading attained).
E9	MULCH BLANKETS		On exposed slopes, newly seeded areas, new ditch bottoms, or areas subject to erosion.
S51	SILT FENCE		Use adjacent to critical areas, to prevent sediment laden sheet flow from entering these areas.
S53	STABILIZED CONSTRUCTION ACCESS		Used at every point where construction traffic enters or leaves a construction site.
S58	INLET PROTECTION FABRIC DROP		Use at stormwater inlets, especially at construction sites.

SESC PLAN LEGEND

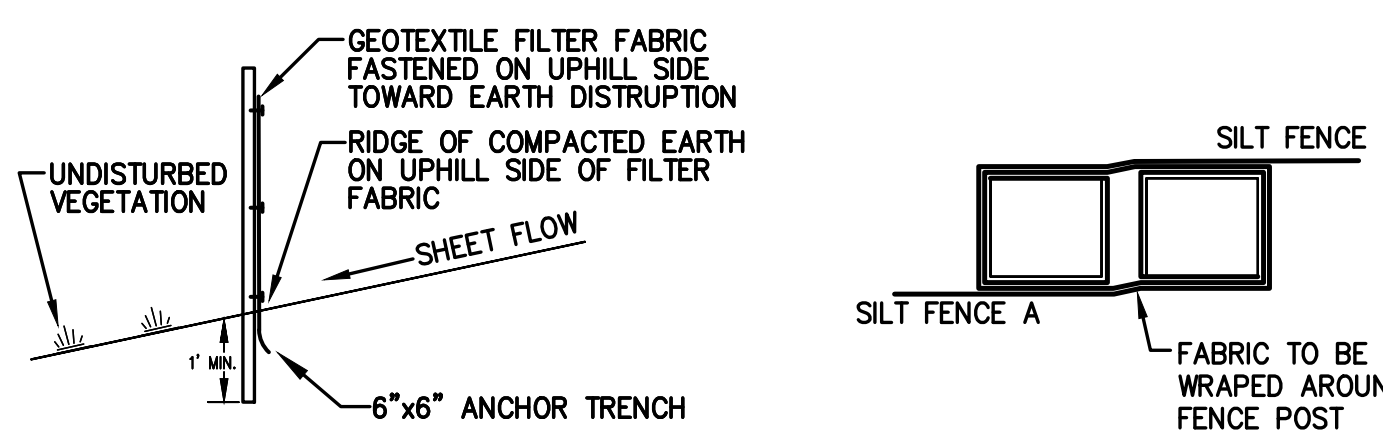
- EXISTING CONTOUR 5-FT
- EXISTING CONTOUR NORMAL
- PROPOSED SILT FENCE
- DRAINAGE DIRECTION
- SOIL BORING
- BENCH MARK
- SOIL EROSION MEASURE
- SEDIMENT CONTROL MEASURE



S53 STABILIZED CONSTRUCTION ACCESS
NOT TO SCALE



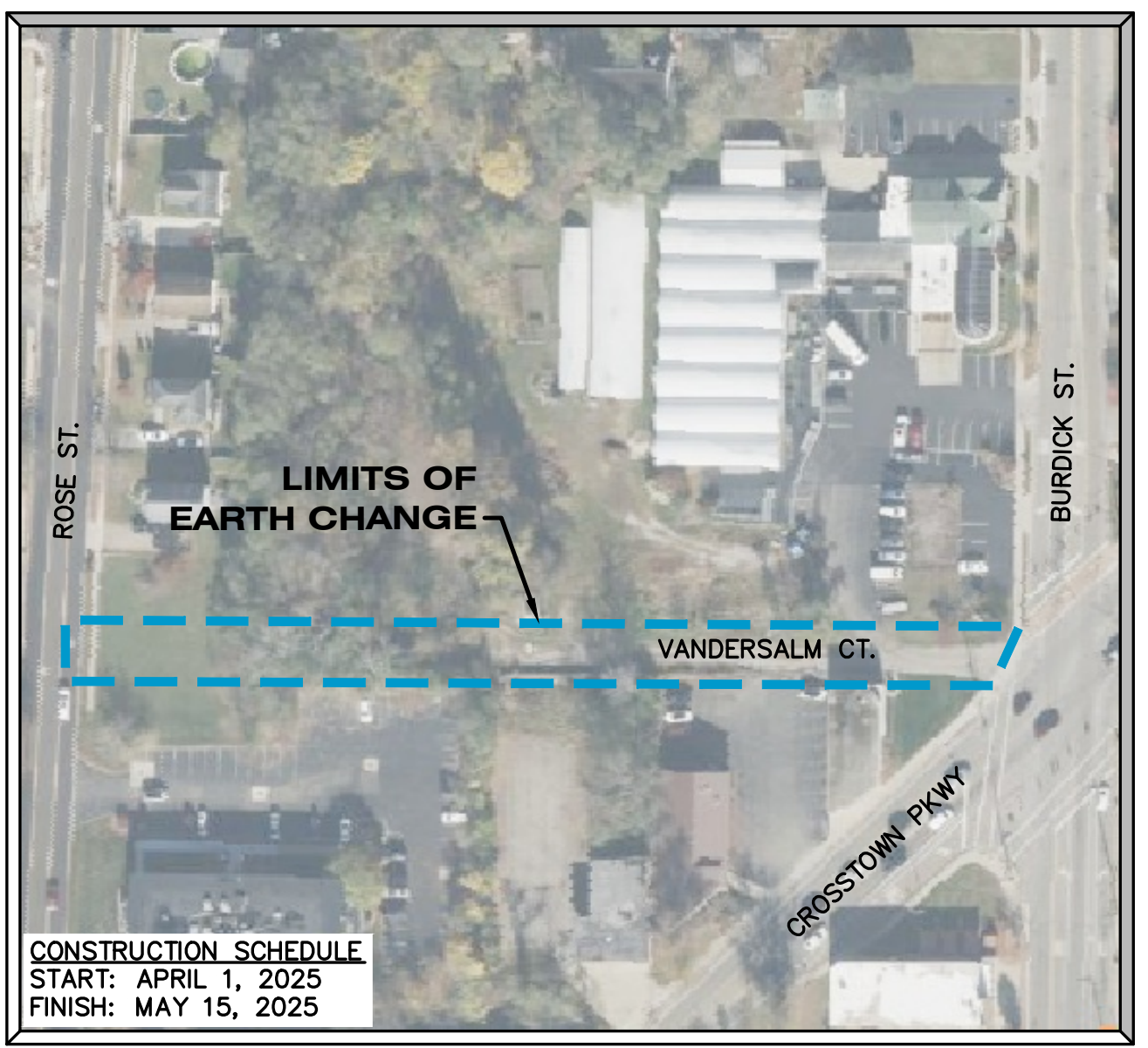
FRONT VIEW
NOT TO SCALE



SECTION
NOT TO SCALE

JOINT DETAIL
NOT TO SCALE

SILT FENCE DETAILS



SITE LOCATION MAP
SCALE: 1" = 100'



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SESC PLAN VANDERSALM CT WATER MAIN CITY OF KALAMAZOO

Sheet Title:
Project:
Client:

7/30/26
Sheet
C-5

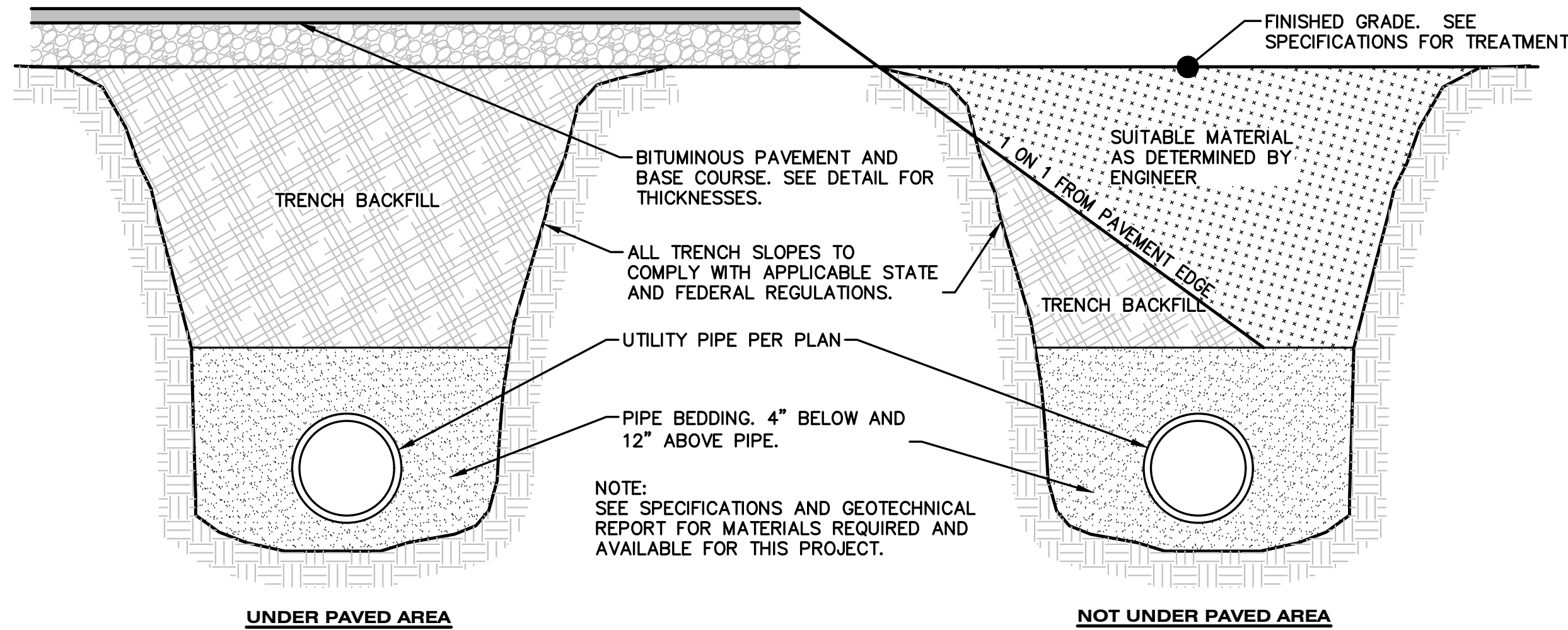
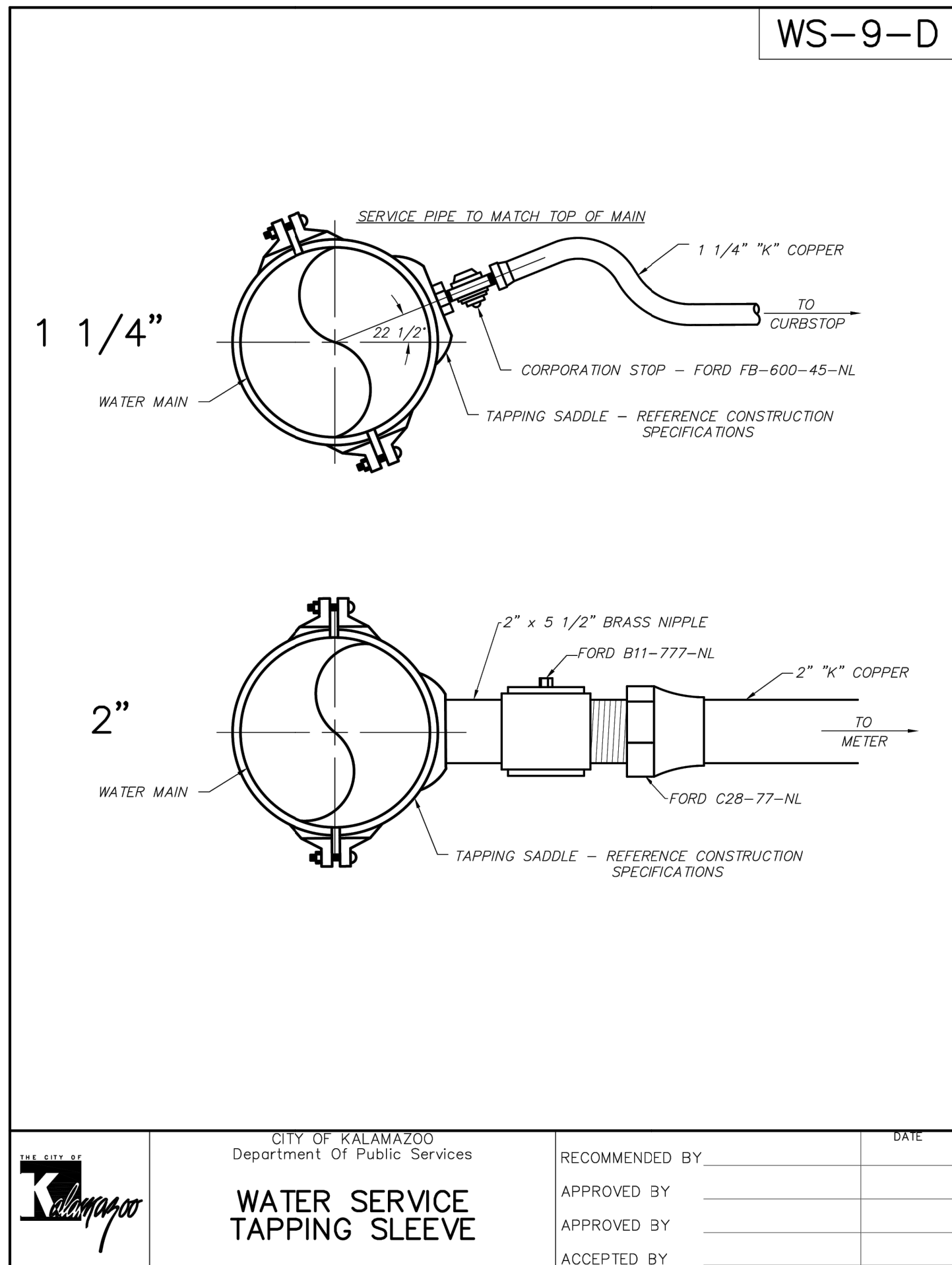
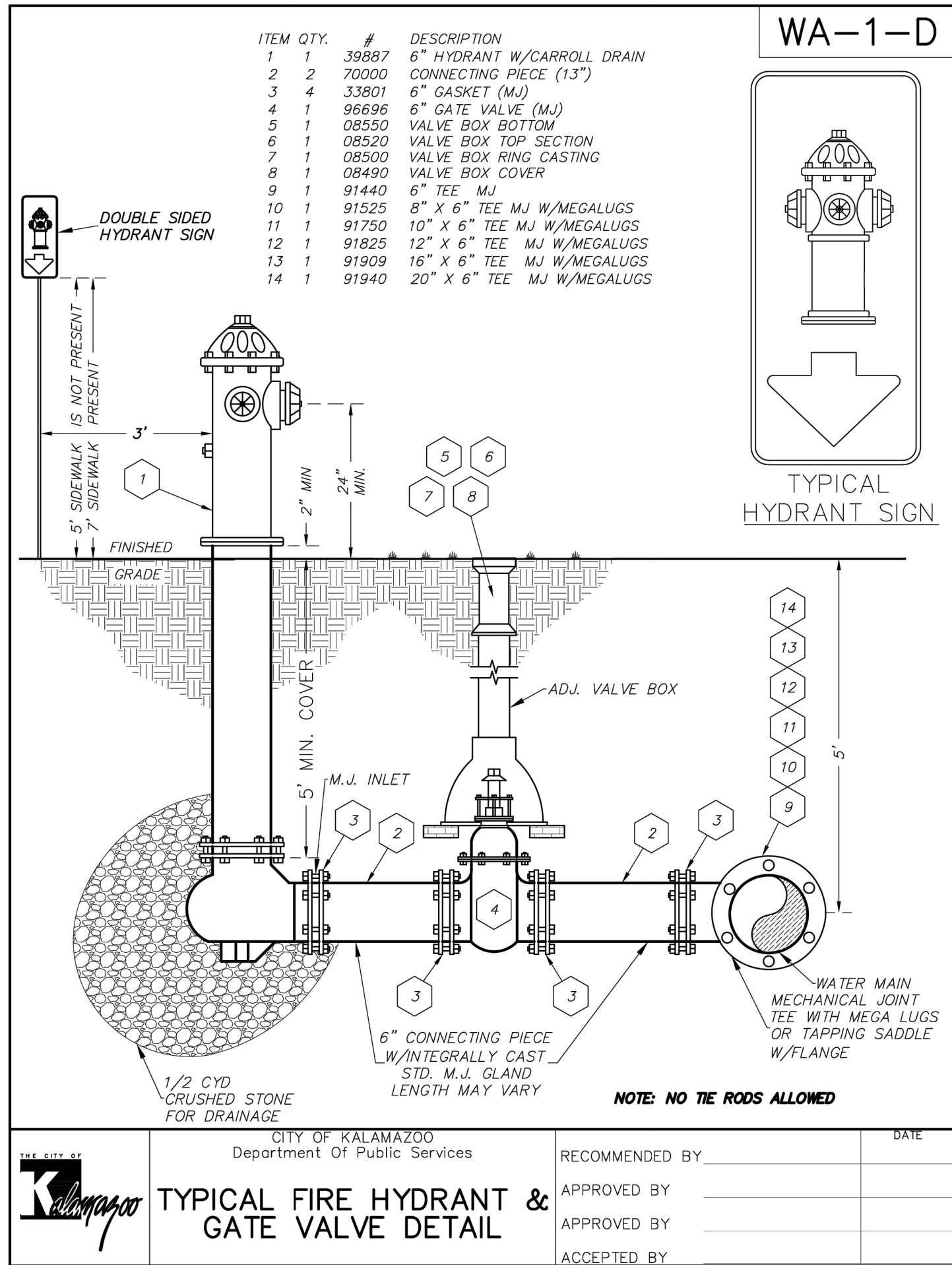
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Job No: 25-071-D - PM: LIV - Designer: NUR - QA/QC: 7/30/26

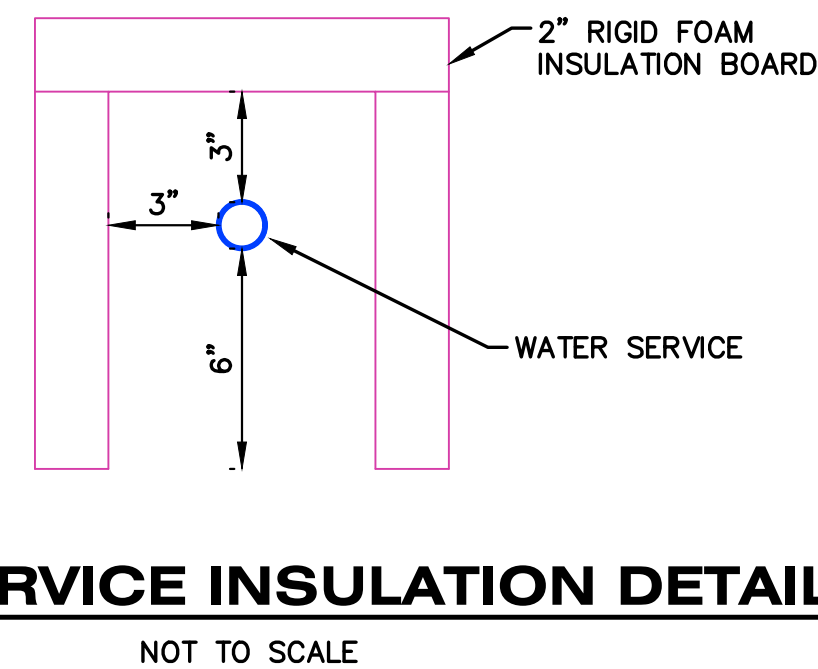
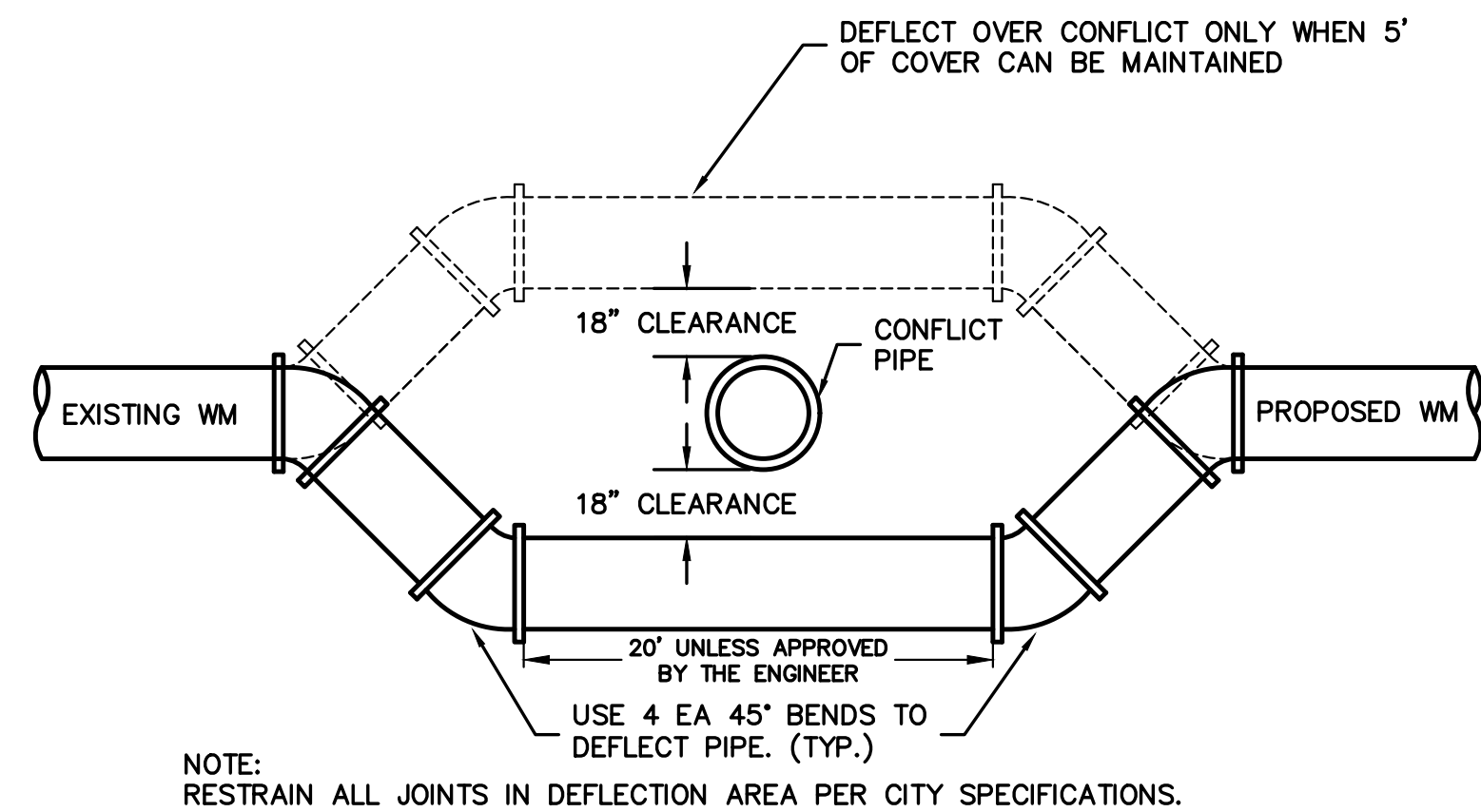
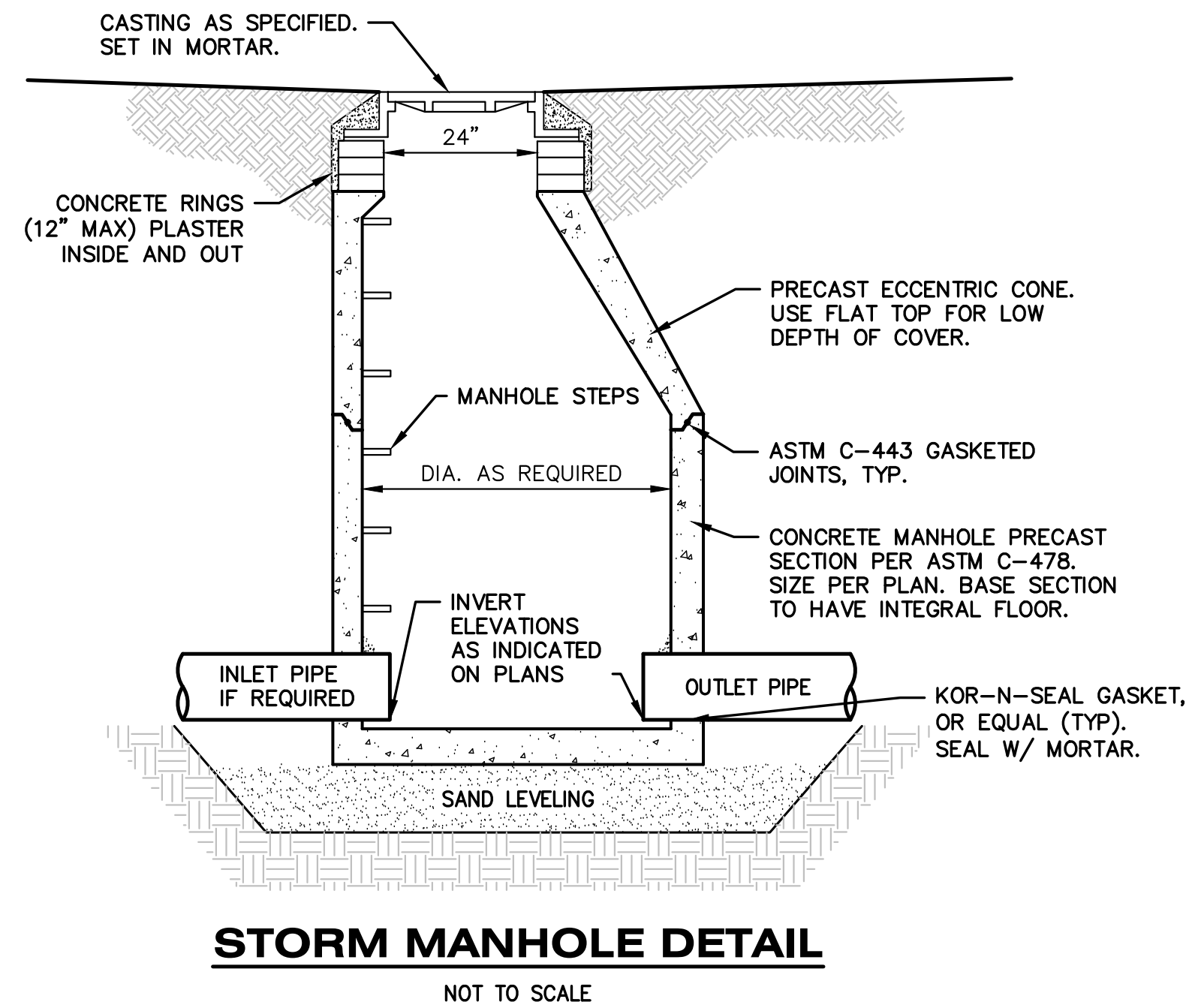
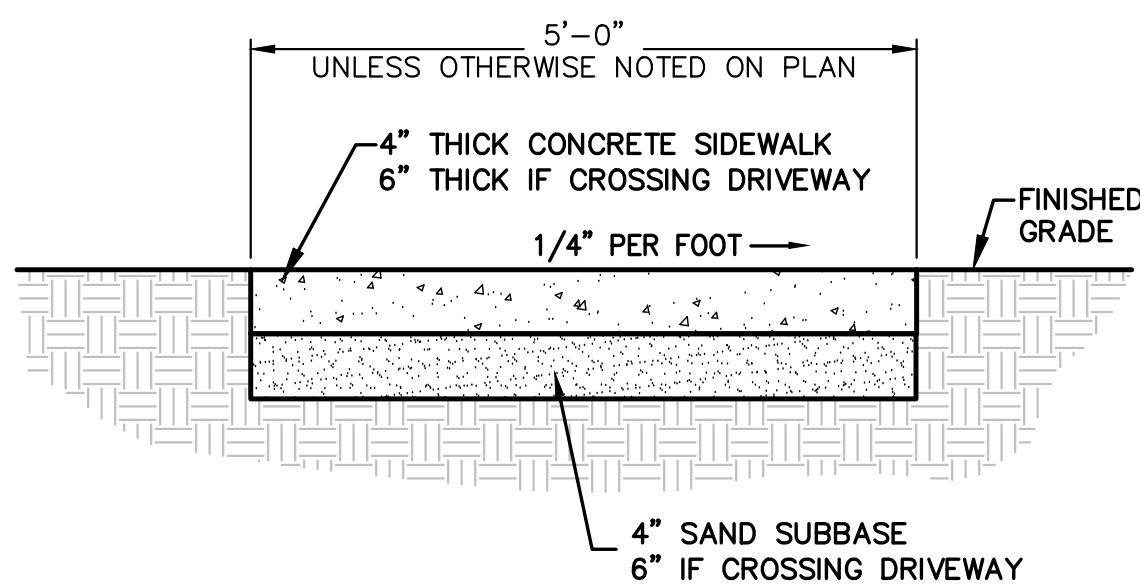
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12/03/25
2/17/25
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- GENERAL NOTES:
- MDOT STANDARD PLANS R-28-J, R-29-I, R-30-G, AND R-44-F SHALL BE FOLLOWED IN CONJUNCTION WITH THESE STANDARD PLANS
 - ALL SAW CUTTING SHALL BE DONE PERPENDICULAR AND PARALLEL TO THE DIRECTION OF TRAVEL
 - SAW CUTTING SHALL PROVIDE A STRAIGHT, CLEAN, EDGE TO ENHANCE BONDING
 - ALL CUTS SHALL BE RECTANGULAR AND NEATLY CUT TO AVOID SPALLING OF PAVEMENT
 - IN GENERAL ALL ROAD/UTILITY CUTS OF AN AREA GREATER THAN 25SFT (5FTX5FT TYPICAL) SHALL EXTEND THE FULL WIDTH OF THE TRAVEL LANE
 - FOR PAVEMENT WITH LOAD TRANSFER DOWEL RODS OR REINFORCEMENT: NEW LOAD TRANSFER DOWELS/REINFORCEMENT SHALL BE PLACED TO MAINTAIN BEARING CAPACITY OF ROADWAY
 - CUTS LESS THAN 12" SHALL BE PATCHED WITH PCC. IF GREATER THAN 12", ENSURE CUT IS IN ACCORDANCE WITH STANDARD DETAILS AND MATCHING EXISTING ROADWAY
 - BUMPS/CUTS/MILLED AREAS WITH EDGE GREATER THAN 2" DEEP/HIGH MUST BE WEDGED WITH HMA BEFORE OPEN TO TRAFFIC. SEE STANDARD DETAIL.
 - MEANDERING SIDEWALK SHALL ONLY BE PLACED IN THE CITY'S ROW OR WHERE AN EASEMENT IS ESTABLISHED
 - NEW SIDEWALK CONSTRUCTION SHALL MEET OR EXCEED CURRENT ADA AND ACCESSIBILITY STANDARDS
 - REPLACED SIDEWALK SHALL, TO THE EXTENT PRACTICABLE, MEET OR EXCEED ADA AND ACCESSIBILITY STANDARDS
 - SIDEWALK, DRIVEWAY OPENINGS & APPROACHES SHALL CONFORM TO MDOT STANDARD PLAN DETAILS R-28-J AND R-29-I
 - MARSHALL MIX 13A (BASE/LEVELING) MAY BE SUBSTITUTED FOR SUPERPAVE HMA BASE MIX DESIGNS WITH CITY OF KALAMAZOO APPROVAL IF DEEMED APPROPRIATE BY THE ENGINEER
 - ASPHALT BINDER SHALL BE INCLUDED IN THE PAY ITEM FOR HMA
 - MDOT PCC P1 MIX DESIGN SHALL BE USED FOR ALL CONCRETE UNLESS OTHERWISE STATED OR DIRECTED BY THE ENGINEER
 - OPENING TO TRAFFIC STRENGTHS (2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION, TABLE 603-1):
 - <72 HOURS, GRADE P-NC, 300 psi
 - 72 HOURS +, GRADE P1, P1M, 550 psi



DETAILS

VANDERSALM CT WATER MAIN

CITY OF KALAMAZOO

Sheet Title:

Project:

Client:

7/30/26

Sheet

C-6

hurley & stewart, llc
main: 269.552.4960
fax: 269.552.4961
www.hurleystewart.com

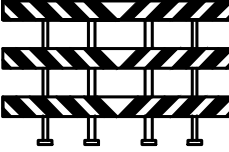
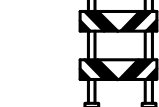


2800 s. 11th street
kalamazoo, michigan 49009

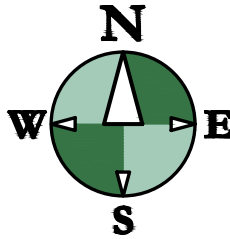
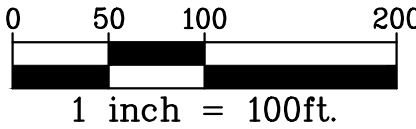
REVISIONS:

ISSUED FOR:	DATE
#1 50% DESIGN SET	08/12/25
#2 90% DESIGN SET	12/03/25
#3 E&L PERMIT SET	2/17/25
#4 BID DOCUMENTS	5/1/26

Job No: 25-071-D - P&L LJV - Designer: NJR - QA/QC: 7/30/26

 QTY: 4 BARRICADE, HIGH INTENSITY, LIGHTED	DESIGNATION	TYPE III
 QTY: 3 PEDESTRIAN BARRICADE	DESIGNATION	TYPE II

1 ROAD CLOSED	DESIGNATION	R11-2
2 SIDEWALK CLOSED	DESIGNATION	R9-9
3 SIDEWALK CLOSED USE OTHER SIDE	DESIGNATION	R9-10 (L OR R)
4 SIDEWALK CLOSED AHEAD CROSS HERE	DESIGNATION	R9-11 (L OR R)
5 CONSTRUCTION AHEAD	DESIGNATION	K-0274



Sheet Title:

Project:

Client:

7/30/26

Sheet

C-7

MAINTENANCE OF TRAFFIC PLAN

VANDERSALM CT WATER MAIN

CITY OF KALAMAZOO

ISSUED FOR:

#1 50% DESIGN SET

#2 90% DESIGN SET

#3 E&LE PERMIT SET

#4 BID DOCUMENTS

ISSUED FOR:

08/12/25

12/03/25

2/17/25

5/1/26

REVISIONS:

08/12/25

12/03/25

2/17/25

5/1/26

Job No: 25-071-D - PM&LIV - Designer: NJR • QA/QC: 7/30/26

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H:\25-071D (Vandersalm Ct Water Main Replacement)_FINAL DRAWINGS\C-7 Maintenance of Traffic Plan.dwg LAST SAVED BY: CJOHNSTON ON 5/29/2026