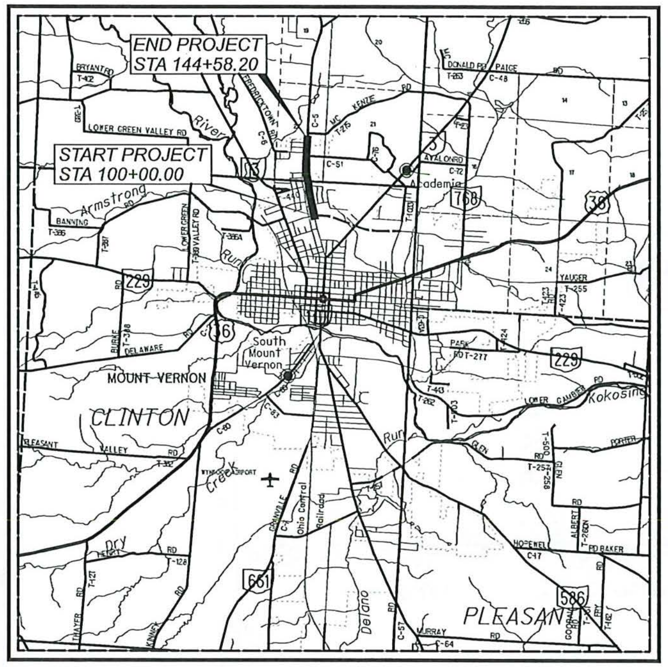
STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

KNO-CR5-0.47

CITY OF MOUNT VERNON

KNOX COUNTY



LOCATION MAP

LATITUDE: 40°24'25"N LONGITUDE: 82°29'15"W

N

PORTION TO BE IMPROVED
INTERSTATE HIGHWAY
FEDERAL ROUTES
STATE ROUTES
COUNTY & TOWNSHIP ROADS
OTHER ROADS

DESIGN DESIGNATION

CURRENT ADT (2022) ____ 2100
DESIGN YEAR ADT (20) ____ NA
DESIGN HOURLY VOLUME (2022) ____ 240
DIRECTIONAL DISTRIBUTION ____ NA
TRUCKS (24 HOUR B&C) ____ NA
DESIGN SPEED ____ 25
LEGAL SPEED ____ 25
DESIGN FUNCTIONAL CLASSIFICATION:

NHS PROJECT ____ NO

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig
OHIO811.org
Before You Dig
OHIO811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

PLAN PREPARED BY:
EMHT
Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054

INDEX OF SHEETS:

TITLE SHEET	P.1
SCHEMATIC PLAN	P.2 - P.3
TYPICAL SECTIONS	P.4 - P.5
GENERAL NOTES	P.6 - P.14
MAINTENANCE OF TRAFFIC	P.15 - P.19
GENERAL SUMMARY	P.20 - P.21
SUBSUMMARIES	P.22 - P.28
SITE PLAN	P.29 - P.30
PLAN AND PROFILE	P.31 - P.39
CROSS SECTION	P.40 - P.70
INTERSECTION DETAIL	P.71 - P.76
DRIVE DETAIL	P.77 - P.90
STORM SEWER PROFILES	P.91 - P.96
WALL DETAILS	P.97 - P.98
TRAFFIC CONTROL	P.99 - P.111

FEDERAL PROJECT NUMBER

E210359

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

CONSTRUCTION OF SHARED USE PATH ALONG MANSFIELD AVENUE (CR-5) FROM BELMONT AVENUE TO GRANGE AVENUE

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	2.8 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.2 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	3.0 ACRES

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY EXCEPT AS NOTED ON P.14, AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES

ENGINEER'S SEAL

STATE OF OHIO
MARK J RAHALL
E-77347
REGISTERED
PROFESSIONAL ENGINEER

Digitally signed by Mark Rahall
Date: 2025.02.04 13:14:51-05'00'

STANDARD CONSTRUCTION DRAWINGS								SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS
BP-3.1	1/19/24	MH-1	7/15/22	MT-97.10	4/19/19			800-2023	1/17/25	
BP-4.1	7/19/13	MH-3	7/19/24	MT-101.60	4/21/23			832	7/18/24	
BP-5.1	1/17/25	WQ-1.1	7/21/23	MT-101.90	7/17/20			870	7/21/23	
BP-7.1	1/17/25			MT-105.10	1/17/20			895	4/18/14	
								902	7/19/19	
CB-2-2A, 2B, 2C	7/19/24			TC-41.20	10/18/13			995	7/17/15	
CB-2-3, 2-4	7/19/24			TC-41.30	4/21/23					
CB-3A	7/19/24			TC-41.50	10/18/13					
CB-7	7/19/24			TC-42.20	10/18/13					
DM-1.1	1/17/25			TC-52.10	10/18/13					
DM-1.2	1/17/25			TC-52.20	1/15/21					
DM-4.3	1/15/16			TC-71.10	4/21/23					
DM-4.4	1/15/16			TC-74.10	7/21/23					
HW-2.1	7/15/22			TC-87.10	7/19/24					
HW-2.2	7/20/18									
RM-1.1	1/20/23									

MUNICIPALITY APPROVAL
THE SIGNATURES BELOW SIGNIFY ONLY CONCURRENCE WITH THE PURPOSE AND GENERAL LOCATION OF THE PROJECT. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS.

Brian W. Ball 03/03/25
BRIAN W. BALL, P.E., CITY ENGINEER DATE

TITLE SHEET

DESIGN AGENCY
EMHT
DESIGNER SJS
REVIEWER HRB 12/13/24
PROJECT ID 115280
SHEET P.1 TOTAL 111

KNO-CR5-0.47

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 2/3/2025 TIME: 8:15:29 AM USER: jtheuring
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U.S. Survey Foot						
POINTS	STATION	OFFSET	NORTHING (GROUND)	EASTING (GROUND)	ELEVATION	DESCRIPTION
3	104+70.56	430.93 LT	269926.1110	1971615.0720	1070.59	1157 #3 IRSW/CAP
4	109+00.05	34.96 LT	270429.4890	1971908.8810	1084.48	1152 #4 IPSW/CAP
5	115+32.29	38.04 RT	271042.9380	1971777.1290	1088.24	1152 #5 IPSW/CAP
6	121+83.03	5.52 LT	271687.3610	1971677.2300	1080.69	1152 #6 IPSW/CAP
7	125+79.78	39.56 LT	272075.3180	1971574.7600	1067.95	1152 #7 IPSW/CAP
8	131+21.53	46.17 LT	272623.3630	1971591.2140	1069.78	1152 #8 IPSW/CAP
201	98+14.36	3.71 RT	269371.7120	1972173.7790	1101.05	1152 #201 IPSW/CAP
202	104+61.24 RT	7.56 RT	270005.9300	1972046.3340	1082.23	1152 #202 IPSW/CAP
203	136+69.31	46.134 RT	273123.9540	1971681.2720	1079.97	1152 #203 IPSW/CAP
204	143+11.85	6.48 RT	273767.9080	1971677.8340	1086.92	1152 #204 IPSW/CAP
402	105+03.25	36.98 LT	270038	1971994	1085.07	1185 BM#2 BMS
404	143+15.56	0.48 LT	273772	1971671	1087.09	1185 BM#4 BMS
405	133+73.45	46.731 LT	270886	1971804	1090.66	1185 BM#5 BMS
407	124+85.53	56.54	271977	1971570	1074.10	1185 BM#7 BMS

Bench Mark	STATION	OFFSET	ELEVATION	DESCRIPTION
BM#2	105+03.25	36.98 LT	1085.07	CHISELED "X" ON THE EAST FLANGE BOLT OF A FIRE HYDRANT LOCATED ON THE WEST SIDE OF MANSFIELD AVENUE, BEING THE FIRST HYDRANT (135 FEET) SOUTH OF THE INTERSECTION WITH NASH STREET.
BM#4	143+15.56	0.48 LT	1087.09	RAILROAD SPIKE IN THE EAST SIDE OF A WOODEN UTILITY POLE LOCATED ON THE WEST SIDE OF MANSFIELD AVENUE, BEING THE FIRST UTILITY POLE (85 FEET) NORTH OF THE INTERSECTION WITH GRANGE AVENUE.(BENCHMARK MAY BE DESTROYED PRIOR TO CONSTRUCTION)
BM#5	133+73.45	46.731 LT	1090.66	RAILROAD SPIKE IN THE EAST SIDE OF A WOODEN UTILITY POLE LOCATED ON THE WEST SIDE OF MANSFIELD AVENUE, BEING THE FIRST UTILITY POLE (125 FEET) SOUTH OF THE INTERSECTION WITH SWINGLE STREET.
BM#7	124+85.53	56.54	1074.10	RAILROAD SPIKE IN THE EAST SIDE OF A WOODEN UTILITY POLE LOCATED ON THE NORTHWEST CORNER OF THE INTERSECTION OF MANSFIELD AVENUE AND NORTHRIDGE DRIVE.

HORIZONTAL SCALE IN FEET
0 50 100 200

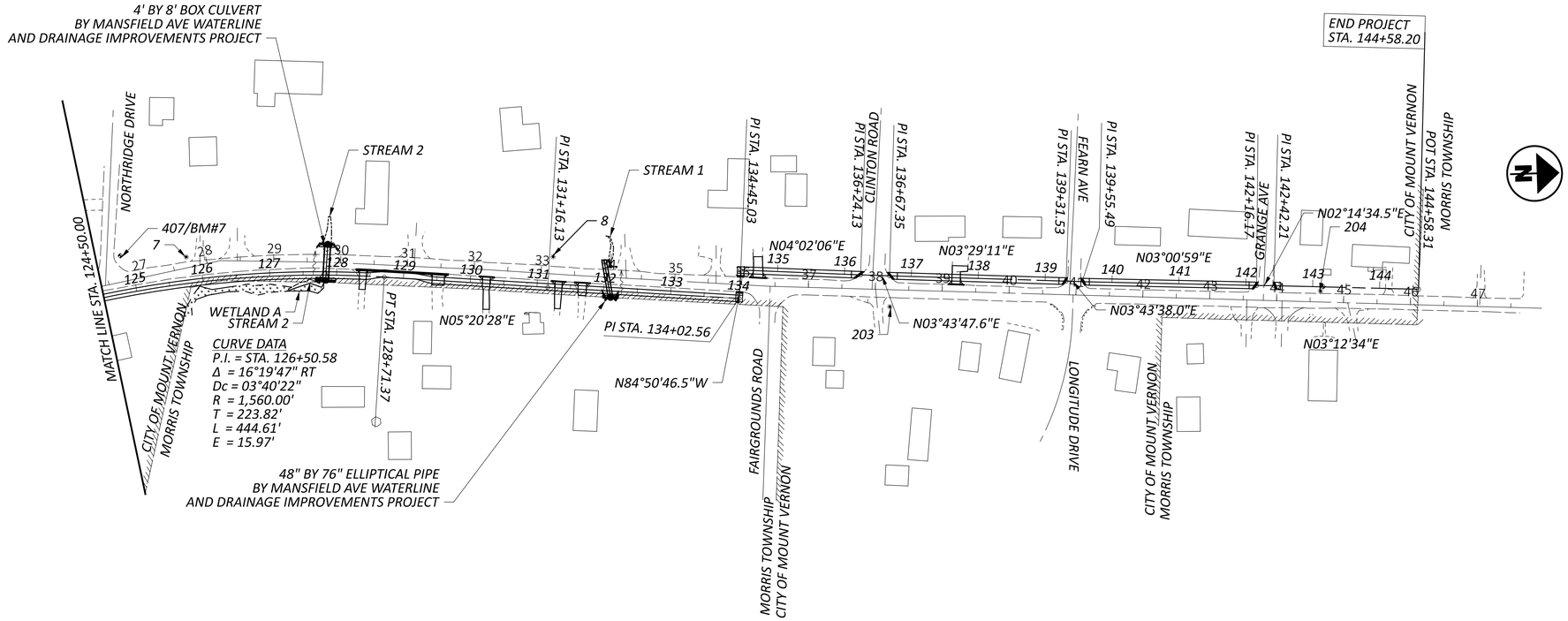
SCHEMATIC PLAN

DESIGN AGENCY
EMH&T

DESIGNER SJS
REVIEWER HRB 12/13/24
PROJECT ID 115280
SHEET P.2 TOTAL 111

KNO-CR5-0.47

MODEL: CLP_MANSFIELD_PATH-1 - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:22:20 AM USER: jtheuring
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SCHEMATIC PLAN

DESIGN AGENCY
EMH&T

DESIGNER
SJS

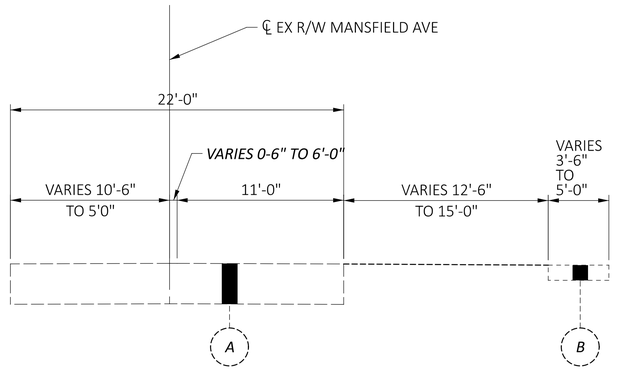
REVIEWER
HRB 12/13/24

PROJECT ID
115280

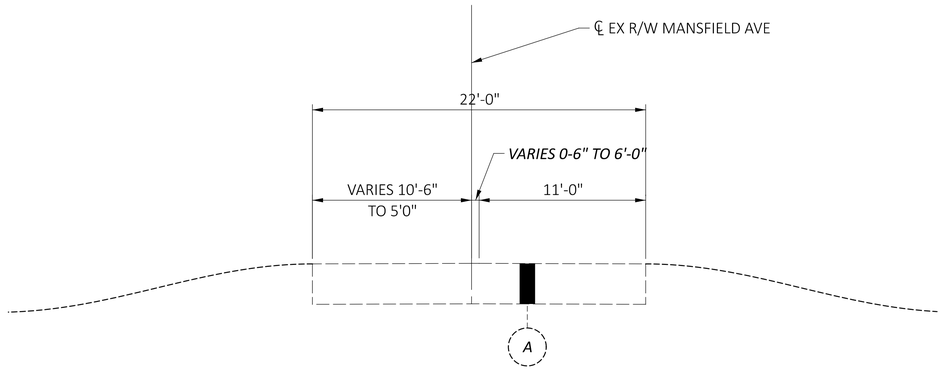
SHEET P.3 | TOTAL 111

KNO-CR5-0.47

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EXISTING SECTION ℄ EX R/W MANSFIELD AVE
STA 1+16.86 TO STA 8+21.33



EXISTING SECTION ℄ EX R/W MANSFIELD AVE
STA 8+21.33 TO STA 46+11.44

EXISTING PAVEMENT

(A) *ASPHALT (DEPTH VARIES FROM 12" TO 16")*

(B) *EXISTING WALK*

TYPICAL SECTIONS

KNO-CR5-0.47

MODEL: Unnamed Plan-1 - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:22:22 AM USER: jtheuring
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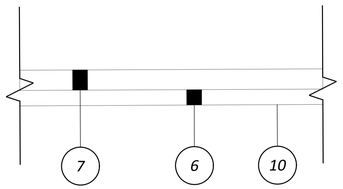
DESIGN AGENCY
EMH&T

DESIGNER
SJS

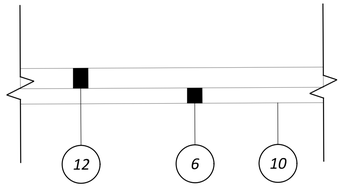
REVIEWER
HRB 12/13/24

PROJECT ID
115280

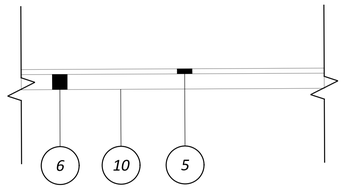
SHEET P.4 | TOTAL 111



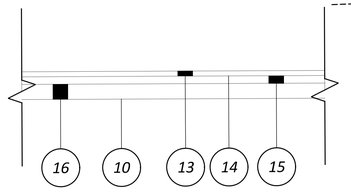
RESIDENTIAL DRIVE DETAIL - CONCRETE



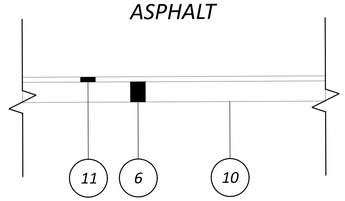
COMMERCIAL DRIVE DETAIL - CONCRETE



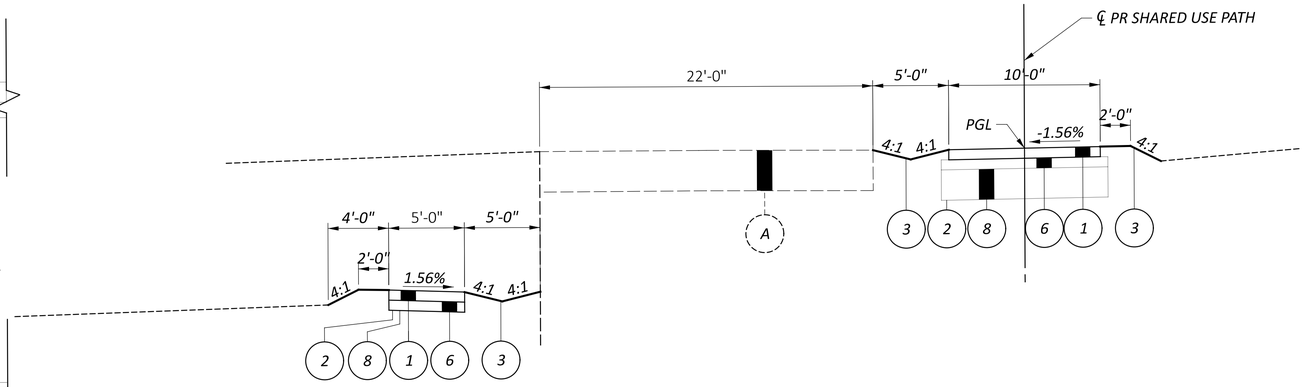
RESIDENTIAL DRIVE DETAIL - ASPHALT



COMMERCIAL DRIVE DETAIL - ASPHALT



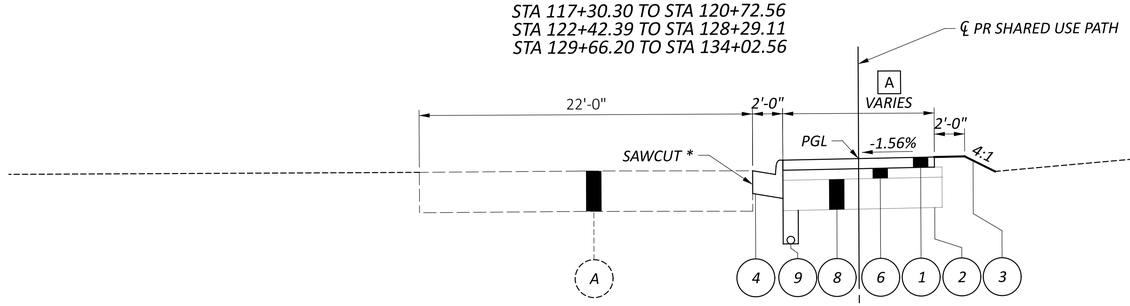
RESIDENTIAL DRIVE DETAIL - GRAVEL



SECTION APPLIES FROM
STA 100+37.34 TO STA 106+11.56

PROPOSED SECTION

STA 100+00.00 TO STA 106+73.25
STA 117+30.30 TO STA 120+72.56
STA 122+42.39 TO STA 128+29.11
STA 129+66.20 TO STA 134+02.56



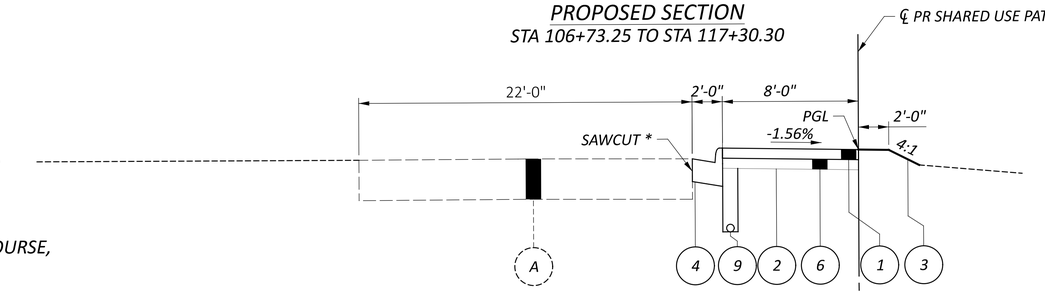
A — 13.03' TO 9'
STA 106+73.25 TO STA 107+27.17

9'
STA 107+27.17 TO STA 116+61.69

9' TO 12.75'
STA 116+61.69 TO STA 117+30.30

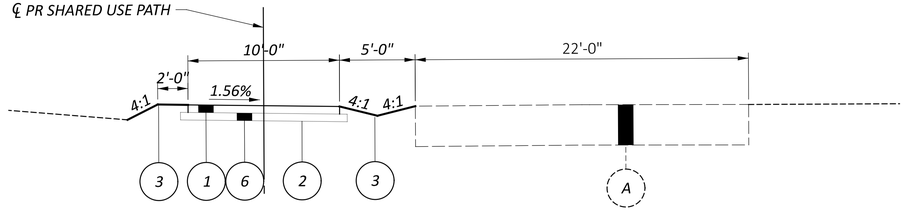
PROPOSED SECTION

STA 106+73.25 TO STA 117+30.30



PROPOSED SECTION

STA 120+72.56 TO STA 122+42.39
STA 128+29.11 TO STA 129+66.20



PROPOSED SECTION

STA 134+02.52 TO STA 144+58.20

STATION LIMITS		DEPTH OF EXCAVATE AND REPLACE
BEGIN STATION	END STATION	
BEGIN PROJECT	102+15.28	18"
105+63.33	109+59.55	14"
109+59.55	113+51.18	18"

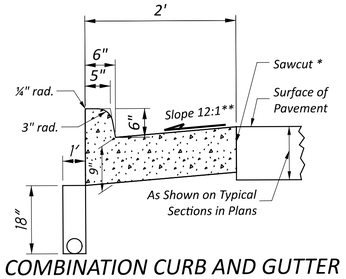
* NOTE: CONTRACTOR TO SAWCUT WITHIN 6" OF EDGE OF PAVEMENT AND CONFIRM SOUND EDGE

LEGEND

1. ITEM 608 - 4" CONCRETE WALK
2. ITEM 204 - GEOGRID
3. ITEM 659 - SEEDING AND MULCHING, CLASS 1
4. ITEM 609 - COMBINATION CURB AND GUTTER TYPE 2, AS PER PLAN
5. ITEM 441 - 2" ASPHALT SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS)
6. ITEM 304 - 6" AGGREGATE BASE
7. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
8. ITEM 204 - EXCAVATION OF SUBGRADE
   ITEM 204 - GRANULAR MATERIAL, TYPE B
   SEE CHART FOR DEPTHS AND STATION LIMITS
9. ITEM 605 - 6" BASE PIPE UNDERDRAIN
10. ITEM 204 - SUBGRADE COMPACTION
    ITEM 204 - PROOF ROLLING
11. ITEM 411 - STABILIZED CRUSHED AGGREGATE (NO. 57 STONE)
12. ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
13. ITEM 441 - 1.25" ASPHALT SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS)
14. ITEM 407 - TACK COAT
15. ITEM 441 - 1.75" ASPHALT INTERMEDIATE COURSE, TYPE 2, 449, (DRIVEWAYS)
16. ITEM 304 - 8" AGGREGATE BASE

EXISTING PAVEMENT

- A — ASPHALT (DEPTH VARIES FROM 12" TO 16")
- B — EXISTING WALK



COMBINATION CURB AND GUTTER TYPE 2, AS PER PLAN

** - FLATTEN GUTTER SLOPE TO 5% MAX AT CURB RAMPS WHERE INDICATED IN PLANS

TYPICAL SECTIONS

KNO-CR5-0.47

MODEL: Unnamed Plan-1 - Plan 2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 2/3/2025 TIME: 8:15:06 AM USER: jtheuring
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DESIGN AGENCY: EMH&T
DESIGNER: SJS
REVIEWER: HRB 12/13/24
PROJECT ID: 115280
SHEET: P.5 TOTAL: 111

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

VERIZON BUSINESS (MCI)
AL GUEST
120 RAVINE STREET
12TH FLOOR
AKRON, OHIO 44303
330-535-9056

SPECTRUM COMMUNICATIONS
SCOTT SARGENT
1441 NEWARK ROAD
MOUNT VERNON, OHIO 43050
740-397-4100

COLUMBIA GAS OF OHIO
TYLER HEMINGER
1021 NORTH MAIN STREET
MANSFIELD, OHIO 44903
419-631-4468

AMERICAN ELECTRIC POWER
MICHAEL MATKOVIC
525 BOYLE ST
MOUNT VERNON, OH 43050
740-399-1548
CELL: 740-221-8241
MBMATKOVIC@AEP.COM

CENTURY LINK
TIM BOWSER
ENGINEERING DEPT
175 ASHLAND RD
MANSFIELD, OH 44902
TIM.BOWSER@BRIGHTSPEED.COM
419-565-9011

CITY OF MOUNT VERNON
SANITARY SEWER
40 PUBLIC SQUARE
MOUNT VERNON, OHIO 43050
740-393-9528

CITY OF MOUNT VERNON
STORM SEWER
40 PUBLIC SQUARE
MOUNT VERNON, OHIO 43050
740-393-9528

CITY OF MOUNT VERNON
WATER
40 PUBLIC SQUARE
MOUNT VERNON, OHIO 43050
740-393-9528

AEP SOLUTIONS CENTER
(SERVICES AND LIGHTING)
1 RIVERSIDE PLAZA
COLUMBUS, OH. 43215
800-277-2177

UTILITIES

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

ITEM 609 - CURB AND GUTTER, TYPE 2, AS PER PLAN

ITEM FOLLOWS ITEM 609 EXCEPT WITH THE DIMENSIONS AS SHOWN ON THE TYPICAL SECTIONS. ADDITIONALLY, ANY EXTRA ASPHALT OR CONCRETE MATERIAL REQUIRED TO CONNECT THE SAWCUT LINE TO THE GUTTER PLATE IS INCLUDED WITH THIS ITEM.

POST CONSTRUCTION STORM WATER TREATMENT

THIS PLAN UTILIZES STRUCTURAL BEST MANAGEMENT PRACTICES (BMP'S) FOR POST CONSTRUCTION STORM WATER TREATMENT.

ITEM 895 - MANUFACTURED WATER QUALITY STRUCTURE, AS PER PLAN

THIS PLAN UTILIZES MANUFACTURED WATER QUALITY STRUCTURES FOR WATER QUALITY TREATMENT. THE MANUFACTURED WATER QUALITY UNIT SHALL BE A CONTECH CDS-3030, AQUASHIELD AS-6, OR APPROVED EQUAL. PAYMENT FOR THIS DEVICE SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR ITEM 895, MANUFACTURED WATER QUALITY STRUCTURE, TYPE 3, AS PER PLAN

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEETS 2-3 OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD: ORTN/RTK GPS/TOTAL STATIONING/ DIFFERENTIAL LEVELING

MONUMENT TYPE: IRON PIPES, THIRTEEN-SIXTEENTHS (13/16) INCH INSIDE DIAMETER, THIRTY (30) INCHES LONG WITH A RED PLASTIC PLUG PLACED IN THE TOP BEARING THE TEXT EMHT TRAV. IRON REBAR, FIVE-EIGHTS (5/8) INCH DIAMETER, TWELVE (12) INCHES LONG WITH A RED PLASTIC CAP PLACED ON THE TOP BEARING THE TEXT EMHT TRAV.

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: GEOID18

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83(2011)
ELLIPSOID: GRS 80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE, NORTH ZONE
COMBINED SCALE FACTOR: 1.00004200822162
ORIGIN OF COORDINATE SYSTEM: N: 269371.712, E: 1972173.779

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

PROTECTION OF RIGHT-OF-WAY LANDSCAPING

PRIOR TO BEGINNING WORK, THE CONTRACTOR, THE PROJECT ENGINEER, AND A REPRESENTATIVE OF THE MAINTAINING AGENCY WILL REVIEW AND RECORD ALL LANDSCAPING ITEMS WITHIN THE RIGHT-OF-WAY (BOTH WITHIN AND OUTSIDE THE CONSTRUCTION LIMITS). A RECORD OF THIS REVIEW WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF LANDSCAPING ITEMS WILL BE MADE.

CONSTRICT ALL ACTIVITIES, EQUIPMENT STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION LIMITS. UNLESS OTHERWISE IDENTIFIED IN THE PLANS OR PROPOSAL, THE CONSTRUCTION LIMITS ARE IDENTIFIED IN THE PLAN SHEETS

SUBMIT A WRITTEN REQUEST TO THE PROJECT ENGINEER TO USE ANY AREA OUTSIDE THESE LIMITS. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA AND EXPLAIN THE PROPOSED USE AND RESTORATION OF THE AREA.

ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION LIMITS, AS DEFINED ABOVE, WILL BE REPLACED IN KIND OR AS APPROVED BY THE PROJECT ENGINEER.

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, SOIL ANALYSIS TEST	2 EACH
653, TOPSOIL FURNISHED AND PLACED	619 CU. YD.
659, SEEDING AND MULCHING, CLASS 1	5575 SQ. YD.
659, REPAIR SEEDING AND MULCHING	279 SQ. YD.
659, INTER-SEEDING	279 SQ. YD.
659, COMMERCIAL FERTILIZER	1.25 TON
659, LIME	1.15 ACRES
659, WATER	32 M. GAL.
659, MOWING	13 M. SQ FT

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

ENDANGERED BAT HABITAT REMOVAL

THE PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET. THE CONTRACTOR SHALL REMOVE ONLY THE TREES NECESSARY TO CONSTRUCT THE PROJECT.

PAVEMENT RESTORATION FOR DRAINAGE STRUCTURE OR PIPE INSTALLATIONS AND/OR REMOVALS

THE ENGINEER SHALL DETERMINE THE NECESSARY LIMITS OF PAVEMENT, CURB, AND CURB AND GUTTER REMOVAL AND REPLACEMENT TO PERFORM THE WORK IN THE PLANS. THE PAVEMENT, CURB, AND CURB AND GUTTER TO BE PUT BACK IN PLACE SHALL MATCH THE ADJACENT EXISTING PAVEMENT MATERIAL TYPE AND THICKNESS. ALL LABOR, MATERIALS, AND EQUIPMENT NEEDED TO REPAIR THE PAVEMENT AND CURB AS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT COST FOR THE 611 ITEMS.

EXISTING SUBSURFACE DRAINAGE

PROVIDE UNOBSTRUCTED OUTLETS FOR ALL EXISTING UNDERDRAINS OR AGGREGATE DRAINS ENCOUNTERED DURING CONSTRUCTION.

PROVIDE AN OUTLET PER STANDARD CONSTRUCTION DRAWING DM-1.1 FOR ALL UNDERDRAINS THAT OUTLET TO A SLOPE. UNDERDRAINS THAT CAN BE CONNECTED TO THE NEW OR EXISTING UNDERDRAINS AT THE END OF THE PROJECT LIMITS AS WELL AS ALL NECESSARY BENDS OR BRANCHES REQUIRED FOR CONNECTION ARE INCLUDED IN THE BASIS OF PAYMENT FOR UNCLASSIFIED PIPE UNDERDRAINS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM 601, TIED CONCRETE BLOCK MAT, TYPE 1 2 SQ. YD.
ITEM 611, 6" CONDUIT, TYPE F 20 FT.
ITEM 611, PRECAST REINFORCED CONCRETE OUTLET 1 EACH
ITEM 605, 6" UNCLASSIFIED PIPE UNDERDRAINS 100 FT.

ITEM 690 - SPECIAL, MAILBOX REMOVED AND RESET

THIS WORK SHALL CONSIST OF REMOVING AND RESETTING EXISTING MAILBOX SUPPORTS. THE CONTRACTOR SHALL TAKE GREAT CARE IN REMOVING RESETTING MAILBOX SUPPORTS TO THE CORRECT DISTANCE FROM THE EDGE OF PAVEMENT AS SHOWN ON THE APPROACH TYPICAL SHEET OR AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT FOR DAMAGED OR IMPROPER HANDLING ON THEIR PART AS DIRECTED BY THE ENGINEER.

THE CONTRACTR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE LOCAL POSTMASTER REGARDING THE TIMING OF THE MOVEMENT OF ANY MAILBOX TO BE REMOVED AND RESET. TEMPORARY INSTALLATIONS SHALL BE IN ACCORDANCE WITH 107.10.

MAILBOXES REMOVED AND RESET SOLELY FOR THE CONVENIENCE OF THE CONTRACTORS OPERATION OF CONSTRUCTING THE ASPHALT CONCRETE APPROACH IN JUDGMENT OF THE ENGINEER SHALL NOT BE PAID FOR.

PAYMENT SHALL BE FOR FINAL PERMANENT INSTALLATIONS ONLY. ALL LABOR, MATERIAL AND EQUIPMENT NEEDED TO COMPLETE THEIR WORK SHALL BE INCLUDED IN ITEM 690 - SPECIAL, MAILBOX REMOVED AND RESET.

ITEM 202 - REMOVAL MISC.: BOULDER, EX POST, LANDSCAPING, STONE SIGN AND COLUMNS, METAL GATE, REMOVED AND RESET RAILROAD TIES, CONCRETE RUBLE, STONE EDGING

ITEMS ENCOUNTERED DURING THE CONSTRUCTION OF THIS PROJECT ARE TO BE REMOVED. LOCATIONS AND DESCRIPTION OF REMOVALS CAN BE FOUND IN THE SUBSUMMARIES. IF ELECTRICAL EQUIPMENT ENCOUNTERED CONTRACTOR TO VERIFY WORKING CONDITION AND COORDINATE WITH THE CITY ENGINEER BEFORE REMOVING. ALL COSTS INCLUDING LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS TO PERFORM THE REMOVAL WORK AS APPROVED BY THE ENGINEER SHALL BE INCLUDED IN THE CORRESPONDING ITEM 202 - REMOVAL MISC.:

ITEM 608 - CURB RAMP AS PER PLAN

CURB RAMPS SHALL BE CONSTRUCTED PER THE STANDARDS FOR ITEM 608, EXCEPT THE DETECTABLE WARNING SHALL BE CAST IRON PER CITY OF MOUNT VERNON SPECS

ITEM 611 - MANHOLE ADJUSTED TO GRADE, AS PER PLAN

THIS ITEM IS TO FOLLOW ODOT ITEM 611 - MANHOLE ADJUSTED TO GRADE, EXCEPT TO REPLACE LID WITH STANDARD MOUNT VERNON SANITARY MANHOLE LID.

PAVEMENT RESTORATION FOR PIPE INSTALLATION

WHERE INDICATED IN THE PLAN SHEETS, REPLACE AND REPAIR PAVEMENT AS NEEDED TO INSTALL PIPES. CITY ENGINEER TO VERIFY REPLACEMENT MATERIAL AND THICKNESS BUT SHALL BE NO LESS THAN WHAT IS REMOVED.

ITEM 253 - PAVEMENT REPAIR 125 SQ. YD.

GENERAL NOTES

DESIGN AGENCY
EMH&T

DESIGNER
SJS

REVIEWER
HRB 12/13/24

PROJECT ID
115280

SHEET P.6 | TOTAL 111

KNO-CR5-0.47

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 2/3/2025 TIME: 8:14:33 AM USER: jtheuring
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CITY OF MOUNT VERNON GENERAL NOTES:

1. **SPECIFICATIONS**
THE CITY OF MOUNT VERNON'S DETAILED SPECIFICATIONS TOGETHER WITH THE STATE OF OHIO,DEPARTMENT OF TRANSPORTATION (ODOT) CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMS), INCLUDING ALL SUPPLEMENTS AND ALL OTHER REVISIONS THERETO, CURRENT EDITIONS, SHALL GOVERN ALL MATERIAL AND WORKMANSHIP INVOLVED IN THE IMPROVEMENTS AND CONSTRUCTION ITEMS SHOWN IN THESE PLANS UNLESS OTHERWISE NOTED. IN CASE OF A CONFLICT THE MORE STRINGENT REQUIREMENT SHALL TAKE PRECEDENCE AS DETERMINED BY THE DISCRETION OF THE CITY OF MOUNT VERNON AND DESIGN ENGINEER.

ALL CONTRACT SPECIFICATIONS ACCOMPANYING THESE PLANS ARE TO BE CONSIDERED A PART THEREOF. APPROVAL OF THESE PLANS SHALL BE IN ACCORDANCE WITH THE CITY OF MOUNT VERNON, AND ALL WORK TO BE COMPLETELY ACCEPTABLE TO THE CITY OF MOUNT VERNON OFFICIALS. ANY MODIFICATION TO THE WORK SHOWN ON THESE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE CITY ENGINEER.

THE CITY OF MOUNT VERNON RESERVES THE RIGHT TO DIRECT PROJECT SPECIFIC CHANGES TO ANY CITY CONSTRUCTION NOTE AND SPECIFICATION.

THE CITY ENGINEER IS THE SOLE INDIVIDUAL RESPONSIBLE FOR APPROVING AND CERTIFYING ANY DECISIONS ON BEHALF OF THE CITY. THE CITY ENGINEER IS THE CONTRACTING AUTHORITY AND ALL QUESTIONS OR INFORMATION FROM THE CONTRACTOR MUST BE DIRECTED TO THE CITY ENGINEER. NO OTHER REPRESENTATIVE MAY MAKE DECISIONS REGARDING RFIS, CHANGE ORDERS, CLARIFICATIONS, ETC. ON BEHALF OF THE CITY. ALL REFERENCES IN THESE NOTES FOR INQUIRES TO THE CITY, SHALL BE DIRECTED TO THE CITY ENGINEER.

2. **SITE VISIT**
THE CONTRACTOR IS STRONGLY ENCOURAGED TO VISIT THE SITE AND BECOME FULLY INFORMED REGARDING ALL CONDITIONS AFFECTING THE SCOPE OF THE WORK. FAILURE TO VISIT THE SITE SHALL NOT RELIEVE THE CONTRACTOR FROM ANY RESPONSIBILITY IN THE PERFORMANCE OF THIS CONTRACT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE AND VERIFY THE EXTENT OF THE WORK TO BE PERFORMED PRIOR TO MAKING HIS BID. THIS IS ESPECIALLY TRUE WITH REGARD TO ANY REMOVAL ITEMS.

3. **EASEMENTS**
APPROVAL OF THIS PLAN IS CONTINGENT UPON ALL EASEMENTS REQUIRED FOR THE CONSTRUCTION BEING SECURED AND RECORDED BY THE CITY OF MOUNT VERNON PRIOR TO COMMENCEMENT OF THE WORK, AND NO WORK WHICH REQUIRES AN EASEMENT WILL BE ALLOWED TO PROCEED UNTIL THIS IS DONE.

4. **RIGHTS-OF-WAY**
IN ADDITION TO DIRECT REQUIREMENTS OF THE CONTRACT SPECIFICATIONS, THE CONTRACTOR SHALL OBSERVE AND CONFORM TO THE SPECIFIC REQUIREMENTS OF ALL RIGHT-OF-WAYS INCLUDING EASEMENTS, COURT ENTRIES, RIGHTS-OF-ENTRY OR ACTION FILED IN COURT IN ACCORDANCE WITH THE CODE OF APPLICABLE GOVERNING AGENCY. THE COST OF THE OPERATIONS NECESSARY TO FULFILL SUCH REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS IMPROVEMENT ITEMS UNLESS SPECIFIC PROVISION IS MADE IN THE CONTRACT SPECIFICATIONS.

5. **PRECONSTRUCTION MEETING**
A PRE-CONSTRUCTION MEETING SHALL BE HELD AT LEAST 15 CALENDAR DAYS BEFORE ANY WORK IS BEGUN. REPRESENTATIVES OF THE OWNER, DESIGN ENGINEER, AND CONTRACTOR SHALL BE IN ATTENDANCE. A SCHEDULE REGARDING THE SEQUENCE OF EVENTS, DURING CONSTRUCTION MUST BE SUBMITTED FOR REVIEW AT LEAST (7) SEVEN DAYS PRIOR TO THIS MEETING.

6. **CONTINGENCY QUANTITIES**
THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK LISTED IN THE ESTIMATE OF QUANTITIES FOR ITEMS DESIGNATED AS CONTINGENCY OR REFERENCED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE DESIGN ENGINEER AND/OR THE CITY ENGINEER.

7. **ADDITIONAL COMPENSATION**
THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, SERVICES, AND RELATED ACCESSORIES FOR A COMPLETE PROJECT AS SHOWN AND DESCRIBED IN THE PLANS AND SPECIFICATIONS. THE PRICE FOR ITEMS OF WORK OR MATERIALS SHOWN ON THE PLANS OR PROVIDED FOR IN THE SPECIFICATIONS OR SPECIAL PROVISIONS FOR WHICH NO SEPARATE UNIT PRICE IS GIVEN SHALL BE INCLUDED IN THE PRICE BID. IT IS THE INTENTION OF THE CONTRACT DOCUMENTS TO PROVIDE AND REQUIRE A COMPLETED WORK PROJECT READY FOR OPERATION. ANY WORK ITEMS OMITTED FROM SUCH CONTRACT DOCUMENTS WHICH ARE CLEARLY NECESSARY FOR THE COMPLETION OF SUCH WORK AND ITS APPURTENANCES SHALL BE CONSIDERED A PART OF SUCH WORK ALTHOUGH NOT DIRECTLY SPECIFIED OR CALLED FOR IN THE CONTRACT DOCUMENTS (E.G. BONDS AND INSURANCES, "OWNER/CONTRACTOR PROTECTIVE POLICY", "ALL RISK BUILDER'S RISK INSURANCE", AND/OR "INSTALLATION FLOATER INSURANCE", ETC.).

SUBMISSION OF A BID SHALL BE CONSIDERED EVIDENCE THAT THE BIDDER IS SATISFIED WITH THE PLANS AND CONDITIONS AS SHOWN. NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR COMPLIANCE WITH THE PLANS, SPECIFICATIONS, OR SPECIAL PROVISIONS. NO EXTRA COMPENSATION WILL BE PAID TO THE CONTRACTOR BY REASON OF COMPLIANCE WITH ANY OF THE REQUIREMENTS INDICATED IN THE SPECIFICATIONS, UNLESS OTHERWISE SPECIFICALLY PROVIDED.

A DETAILED BREAKDOWN OF LUMP SUM BID ITEMS MAY BE REQUESTED BY THE CITY OF MOUNT VERNON AND/OR DESIGN ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR THIS EFFORT.

8. **PERMITS**
THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND GOVERNMENT FEES, LICENSES, AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE IMPROVEMENTS SHOWN ON THE PLANS. AN ORIGINAL PERMIT, WITH SIGNATURES, SHALL BE KEPT ONSITE AT ALL TIMES.

9. **SAFETY REQUIREMENTS**
THE CONTRACTOR AND SUBCONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS ALSO THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTOR(S) TO INITIATE, MONITOR, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.

THE CONTRACTOR AND SUBCONTRACTOR SHALL ALSO ABIDE BY ALL ORDINANCES OF THE CITY OF MOUNT VERNON.

THE CONTRACTOR SHALL FOLLOW THE OSHA REQUIREMENTS FOR CONFINED SPACE ENTRY, TITLE 29 OF THE CODE OF FEDERAL REGULATIONS, PORT 1910.146 WHILE PERFORMING WORK INSIDE ANY MANHOLE OR OTHER PERMIT-REQUIRED CONFINED SPACE. ONE COPY OF ALL CONFINED SPACE ENTRY PERMITS SHALL BE GIVEN TO THE CITY OF MOUNT VERNON UPON PROJECT COMPLETION.

10. **EMERGENCY PROVISIONS**
THE CONTRACTOR SHALL PROVIDE THE CITY OF MOUNT VERNON WITH 24-HOUR EMERGENCY TELEPHONE NUMBERS, IN WRITING, PRIOR TO THE START OF CONSTRUCTION.

11. **INSPECTION**
INSPECTION OF THIS PROJECT SHALL BE PROVIDED BY REPRESENTATIVES OF THE CITY OF MOUNT VERNON.

12. **CONSTRUCTION LAYOUT/STAKING**
INITIAL CONSTRUCTION LAYOUT SERVICES FOR THIS PROJECT SHALL BE PROVIDED BY THE CONTRACTOR. ANY RE-STAKING NEEDED TO REPLACE STAKES THAT HAVE BEEN REMOVED OR DAMAGED THROUGHOUT THE COURSE OF WORK SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CITY OF MOUNT VERNON. STAKING SHALL BE IN ACCORDANCE WITH ODOT CMS ITEM 623.

13. **CONTRACT WORK PERFORMED BY THE CITY**
IN THE EVENT THAT IT BECOMES NECESSARY FOR THE CITY OF MOUNT VERNON TO PERFORM WORK REQUIRED BY THE CONTRACTOR UNDER THIS CONTRACT BECAUSE OF FAILURE OR REFUSAL OF THE CONTRACTOR TO PERFORM SUCH WORK WITHIN A REASONABLE TIME, THE CONTRACTOR SHALL REIMBURSE THE CITY OF MOUNT VERNON AT THE RATE OF 2.5 TIMES THE ACTUAL COST OF LABOR, MATERIALS AND EQUIPMENT NECESSARY TO PERFORM SUCH WORK. THE CITY OF MOUNT VERNON SHALL BE REIMBURSED BY THE CONTRACTOR BY WAY OF A DEDUCTION FROM THE CONTRACTOR'S NET PAYMENT UNDER THIS CONTRACT.

14. **SCHEDULE**
THE CONTRACTOR SHALL SUBMIT IN WRITING A SCHEDULE OF OPERATIONS TO THE CITY OF MOUNT VERNON AND RECEIVE APPROVAL IN WRITING BEFORE WORK IS STARTED ON THIS PROJECT. WEEKLY SCHEDULE UPDATES SHALL BE SUBMITTED TO THE CITY OF MOUNT VERNON. COST SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS.

15. **COORDINATION BETWEEN CONTRACTORS**
THE CONTRACTOR FOR THIS PLAN SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES AND ANCILLARY PROJECT NEEDS WITH ANY OTHER CONTRACTORS ON THIS PROJECT OR OTHER CONTRACTORS WORKING IN THE VICINITY. PRIOR TO FINALIZATION OF SCHEDULING FOR THIS PROJECT, THE CONTRACTOR WILL CONFIRM THERE ARE NO SCHEDULE CONFLICTS.

16. **EXPOSE EXISTING UTILITY**
WHERE POTENTIAL GRADE AND ALIGNMENT CONFLICTS MIGHT OCCUR WITH EXISTING UTILITIES, THE CONTRACTOR SHALL EXPOSE UTILITIES OR STRUCTURES SUFFICIENTLY IN ADVANCE OF LAYING PIPE FOR THE DESIGN ENGINEER TO VERIFY THE VERTICAL AND HORIZONTAL EFFECT ON THE PROPOSED CONSTRUCTION. ANY DISCREPANCY WITH THE PLANS SHALL BE COORDINATED WITH THE CITY OF MOUNT VERNON TO ENSURE THAT THERE ARE NO CONSTRUCTION OR CONFLICT ISSUES ASSOCIATED WITH SAID DISCREPANCY. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID EVEN IF A SPECIFIC ITEM IS NOT PROVIDED IN THE ESTIMATE OF QUANTITIES.

17. **UTILITY POLE PROTECTION**
THE CONTRACTOR SHALL COORDINATE CONSTRUCTION OPERATIONS AND PROTECT EXISTING UTILITY POLES. UTILITY POLES WITHIN THE INFLUENCE OF TRENCHES OR EARTHWORK OPERATIONS SHALL BE REINFORCED BY THE UTILITY COMPANY PRIOR TO CONSTRUCTION ACTIVITIES. NOTIFICATION OF THE UTILITY COMPANY PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

WHERE EXISTING POWER OR TELEPHONE POLES ARE IN CLOSE PROXIMITY TO WORK, THE CONTRACTOR SHALL COORDINATE HIS WORK EFFORTS WITH THOSE OF THE UTILITY COMPANIES SUCH THAT THE MAINTENANCE OF THEIR EXISTING FACILITIES CAN BE MAINTAINED AND PROTECTED DURING THE TIME WORK IS GOING ON ADJACENT TO THE POLE.

DELAYS TO THE CONTRACTOR AS A RESULT OF TIMING OF POLE RELOCATION OR PROTECTION SHALL NOT BE CONSIDERED COMPENSATORY DELAYS, AS IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS WORK IN CONFORMANCE TO THE UTILITY COMPANY'S SCHEDULE.

ALL COSTS INCURRED FOR THE SUPPORT OF UTILITY POLES AND COORDINATION FOR TEMPORARY SUPPORT SHALL BE INCLUDED WITH THE VARIOUS BID ITEMS. ALL COSTS SHALL BE AT THE CONTRACTORS EXPENSE, AND NO REIMBURSEMENT OR SEPARATE PAYMENT SHALL BE MADE.

18. **MATERIAL SAFETY DATA SHEETS**
THE CONTRACTOR SHALL SUBMIT, FOR INFORMATION ONLY, THE MANUFACTURERS' HAZARDOUS MATERIALS COMMUNICATION INFORMATION FORMS FOR ALL MATERIALS TO BE INCORPORATED INTO THE WORK.

19. **STORAGE OF EQUIPMENT AND MATERIALS**
THE CONTRACTOR SHALL INFORM THE CITY OF MOUNT VERNON OF THE LOCATION FOR THE STORAGE OF EQUIPMENT AND MATERIALS AT THE PRE-CONSTRUCTION MEETING.

20. **CONSTRUCTION DEBRIS**
ALL DEBRIS, RUBBLE, UNUSABLE MATERIALS, AND ITEMS NOT SALVAGED BY THE CITY OR OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AND DISPOSED OF PROPERLY.

21. **SANITARY CONVENIENCE FACILITIES**
THE CONTRACTOR SHALL FURNISH AND MAINTAIN SANITARY CONVENIENCE FACILITIES FOR THE WORKERS AND INSPECTORS FOR THE DURATION OF THE WORK AND ALL PHASES OF CONSTRUCTION. COST SHALL BE INCLUDED IN THE PRICE BID.

22. **NON-RUBBER TIRED VEHICLES**
NON-RUBBER TIRED VEHICLES SHALL NOT BE MOVED ON PUBLIC STREETS, EXISTING PRIVATE ROADWAYS OR PARKING LOTS. EXCEPTIONS MAY BE GRANTED BY THE CITY OF MOUNT VERNON FOR THEIR ROADWAYS ONLY. GRANTING OF EXCEPTIONS MUST BE IN WRITING, AND ANY DAMAGE MUST BE REPAIRED TO THE SATISFACTION OF THE CITY OF MOUNT VERNON.

23. **PRUNING**
BRANCHES OR GROWTH WHICH INTERFERES WITH THE FREE CONSTRUCTION OF THE PROJECT MAY BE REMOVED FROM TREES/BUSHES THAT ARE TO BE SAVED BY THE USE OF PRUNING TOOLS WITH PRIOR APPROVAL FROM THE CITY ENGINEER. ALL PRUNING TOOLS USED AND METHODS EMPLOYED SHALL MEET THE APPROVAL OF THE CITY ENGINEER. THE BRANCHES SHALL BE REMOVED WITH A GOOD CLEAN CUT MADE FLUSH WITH THE PARENT TRUNK OR, IF HAVING A GOOD HEALTHY LATERAL BRANCH, THE CUT SHALL BE A GOOD CLEAN SLANTING CUT CLOSE TO AND BEYOND THE HEALTHY BRANCH. ALL PRUNING CUTS SHALL BE POINTED WITH AN ACCEPTED PRUNING PRESERVATIVE. THE COST OF ALL WORK AND EXPENSES CONNECTED WITH TREE PRUNING SHALL BE INCLUDED IN THE PRICE BID FOR ODOT CMS ITEM 201, CLEARING AND GRUBBING. NO EXTRA PAYMENTS SHALL BE MADE.

24. **SIGNS, MAILBOXES, FENCES, ETC.**
THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING SIGNS, MAILBOXES, FENCES, GUARDRAIL, SHRUBS, PROPERTY, DRAINAGE STRUCTURES, OR OTHER PHYSICAL FEATURES DISTURBED OR DAMAGED DURING CONSTRUCTION, WHETHER SHOWN ON THE PLANS OR NOT, TO THEIR ORIGINAL OR BETTER CONDITION AND LOCATION AND TO THE SATISFACTION OF THE CITY OF MOUNT VERNON. COST SHALL BE INCLUDED IN THE PRICE BID.

25. **MAIL SERVICE**
THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT U.S. MAIL DELIVERY WITHIN THE PROJECT LIMITS IS NOT DISRUPTED BY CONSTRUCTION OPERATIONS. THIS RESPONSIBILITY IS LIMITED TO RELOCATION OF MAILBOXES TO A TEMPORARY LOCATION THAT WILL ALLOW THE COMPLETION OF THE WORK AND SHALL ALSO INCLUDE THE RESTORATION OF MAILBOXES TO THEIR ORIGINAL LOCATION OR APPROVED NEW LOCATION. BEFORE RELOCATING ANY MAILBOXES, THE CONTRACTOR SHALL CONTACT THE U.S. POSTAL SERVICE AND RELOCATE MAILBOXES ACCORDING TO THE POSTAL SERVICE AND SATISFACTION OF THE PROPERTY OWNERS.

26. **MAINTAINING SERVICE**
THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCESS FOR MAIL SERVICE, DELIVERY SERVICE, POLICE, FIRE AND SOLID WASTE REMOVAL IN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL CONTACT THE CITY OF MOUNT VERNON FOR CURRENT COLLECTION DATE EACH WEEK PRIOR TO STARTING WORK AND BE RESPONSIBLE FOR MAINTAINING ACCESS TO THE VARIOUS FACILITIES ASSOCIATED WITH THESE SERVICES SUCH AS DUMPSTERS AND MAILBOXES DURING THE COURSE OF THIS PROJECT. COST FOR MAINTAINING SERVICE SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS IN THE CONTRACT.

27. **SOIL STOCKPILES**
THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL SOIL AND GRAVEL STOCKPILES, INCLUDING TRENCH EXCAVATION STOCKPILES, PROTECTED FROM EROSION. THE AREAS SURROUNDING THE STOCKPILES ARE TO BE PROTECTED FROM SEDIMENT WITH THE USE OF PERIMETER CONTROL DEVICES SUCH AS EARTH OR STRAW BALE DEVICES OR WADDLES OR APPROVED METHODS. THESE PERIMETER CONTROL DEVICES SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT.

GENERAL NOTES

KNO-CR5-0.47
MODEL: Sheet 2 PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:22:26 AM USER: jlheuring
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DESIGN AGENCY
EMH&T
DESIGNER SJS
REVIEWER HRB 12/13/24
PROJECT ID 115280
SHEET P.7 TOTAL 111

CITY OF MOUNT VERNON GENERAL NOTES:

28. **DISPOSAL OF EXCESS EXCAVATION**
THE CONTRACTOR SHALL DISPOSE OF ALL EXCESS EXCAVATION AT AN OFFSITE LOCATION AS APPROVED BY THE CITY ENGINEER. FOR DISPOSAL OUTSIDE THE LIMITS OF THE PROJECT THE CONTRACTOR SHALL PROVIDE A COPY OF THE SIGNED, WRITTEN AGREEMENT BETWEEN THE CONTRACTOR AND OFFSITE LANDOWNER BEFORE SUCH DISPOSAL OCCURS. THIS WRITTEN AGREEMENT SHALL CLEARLY STATE THE PURPOSE OF THE AGREEMENT AND INDICATED THE LANDOWNER'S PERMISSION FOR SUCH USE. EXCESS EXCAVATION MATERIAL SHALL NOT BE DISPOSED OF WITHIN ANY FLOODPLAIN AREA, UNLESS ANY AND ALL NECESSARY APPROVALS TO DO SO HAVE BEEN OBTAINED.

ALL MATERIALS TO BE DISPOSED OF OFF-SITE MUST BE DISPOSED OF IN AN ENVIRONMENTALLY SOUND MANNER IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. NO EXCESS MATERIALS ARE TO BE DISPOSED OF IN ANY WETLAND, FLOOD PLAIN OR OTHER ENVIRONMENTALLY SENSITIVE AREAS. EROSION CONTROL MEASURES AT THE DISPOSAL SITE, IF APPLICABLE, MUST BE INSTALLED AND MAINTAINED UNTIL DISPOSAL IS COMPLETE AND THE DISPOSAL SITE IS PERMANENTLY STABILIZED.

29. **REVIEW OF DRAINAGE FACILITIES**
BEFORE ANY WORK IS STARTED ON THE PROJECT, AND AGAIN BEFORE FINAL ACCEPTANCE BY THE CITY OF MOUNT VERNON, THE CONTRACTOR ALONG WITH THE LOCAL REPRESENTATIVES SHALL MAKE AN INSPECTION OF THE EXISTING SEWERS WITHIN THE WORK LIMITS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. THE CITY OF MOUNT VERNON SHALL KEEP RECORDS OF THE INSPECTIONS IN WRITING.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED OR RECONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE CITY OF MOUNT VERNON.

ALL EXISTING MANHOLES, CATCH BASINS, DRAINS, SEWERS, AND APPURTENANCES INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. THE CONTRACTOR SHALL CORRECT ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS TO THE SATISFACTION OF THE CITY OF MOUNT VERNON. THE ABOVE IS NOT APPLICABLE FOR STRUCTURES TO BE ABANDONED.

THE CONTRACTOR SHALL REMOVE DEBRIS, SILT, ETC., FROM THE EXISTING MANHOLES AND CATCH BASINS THAT HAVE BEEN AFFECTED BY CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL MAINTAIN SERVICE IN EXISTING SEWERS DURING CONSTRUCTION. ALL EXISTING CHARTED OR UNCHARTED STORM SEWERS ENCOUNTERED DURING CONSTRUCTION SHALL BE CONNECTED INTO THE NEW SYSTEM.

30. **REPLACEMENT OF DRAIN TILES AND STORM SEWERS**
ALL DRAIN TILE AND STORM SEWERS DAMAGED, DISTURBED, OR REMOVED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH THE SAME QUALITY PIPE OR BETTER, MAINTAINING THE SAME GRADIENT AS EXISTING. REPLACED DRAIN TILE SHALL BE LAID ON COMPACTED BEDDING EQUAL IN DENSITY TO SURROUNDING STRATUM. IF POSSIBLE, THE DRAIN TILE AND/OR STORM SEWER SHALL BE CONNECTED TO A STORM SEWER STRUCTURE, CURB UNDERDRAIN OR OUTLET INTO THE ROADWAY DITCH AS APPLICABLE. REPLACEMENT SHALL BE DONE AT THE TIME OF THE BACKFILL OPERATIONS.

ALL FIELD TILE BROKEN DURING EXCAVATION SHALL BE REPLACED TO ORIGINAL CONDITION OR CONNECTED TO THE CURB UNDERDRAIN OR TO THE STORM SEWER SYSTEM AS DIRECTED BY THE CITY OF MOUNT VERNON.

31. **MAINTAIN DRAINAGE**
THE FLOW IN ALL SEWERS, DRAINS, AND WATERCOURSES ENCOUNTERED SHALL BE MAINTAINED BY THE CONTRACTOR AT HIS OWN EXPENSE, AND WHENEVER SUCH WATERCOURSES AND DRAINS ARE DISTURBED OR DESTROYED DURING THE EXECUTION OF THE WORK, THEY SHALL BE RESTORED BY THE CONTRACTOR AT HIS OWN COST AND EXPENSE, UNLESS SPECIFIC PROVISION IS MADE WITHIN THE CONTRACT DOCUMENTS FOR THE MEASURE OF AND PAYMENT FOR SUCH SPECIFIC ITEMS, TO A CONDITION SATISFACTORY TO THE CITY OF MOUNT VERNON.

32. **DEWATERING**
THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL DEWATERING OPERATIONS AS REQUIRED TO ACCOMPLISH THE PROPOSED CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SOIL AND GROUNDWATER TESTING FOR GROUNDWATER DISCHARGE CONSIDERATIONS.

THE COST OF ANY DEWATERING OPERATIONS FOR THE CONSTRUCTION OF WATERLINES, OR STORM SEWERS SHALL BE INCLUDED IN THE PRICE BID. NO SEPARATE PAYMENT FOR DEWATERING WILL BE PROVIDED.

SHOULD WATER BE/ENCOUNTERED, THE CONTRACTOR SHALL FURNISH AND OPERATE SUITABLE PUMPING EQUIPMENT OF SUCH CAPACITY TO ADEQUATELY DEWATER THE TRENCH. THE TRENCH SHALL BE SUFFICIENTLY DEWATERED SO THAT THE PLACEMENT OF BEDDING AND LAYING AND JOINING OF THE PIPE IS MADE ON FIRM, DRY GROUND. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL DEWATERING OPERATIONS AS REQUIRED TO ACCOMPLISH THE PROPOSED CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SOIL AND GROUNDWATER TESTING FOR GROUNDWATER DISCHARGE CONSIDERATIONS, THE COST OF ALL DEWATERING WORK REQUIRED FOR THE CONSTRUCTION OF THE WATER LINE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE VARIOUS BID ITEMS. NO SEPARATE PAYMENT FOR PUMPS WILL BE PROVIDED, THE CONTRACTOR IS SOLELY RESPONSIBLE TO THE OHIO DEPARTMENT OF NATURAL RESOURCES (O.D.N.R.) FOR REGISTRY, MAINTENANCE, AND ABANDONMENT OF ANY WITHDRAWAL DEVICES USED IN THE CONSTRUCTION OF THIS PROJECT, IF REQUIRED.

THE CONTRACTOR SHALL BE REQUIRED TO COMPLETE AND FILE A WELL LOG AND A DRILLING REPORT FORM WITH O.D.N.R., DIVISION OF WATER, WITHIN 30 DAYS OF THE COMPLETION OF INSTALLATION OF ANY WELL, WELL POINT, PIT OR OTHER DEVICE USED FOR THE PURPOSE OF REMOVING GROUNDWATER FROM AN AQUIFER. THIS SHALL BE DONE IN ACCORDANCE WITH SECTIONS 1521.01 AND 1521.05 OF THE OHIO REVISED CODE AND ALL APPLICABLE REQUIREMENTS OF THE OHIO DEPARTMENT OF NATURAL RESOURCES. IN ADDITION, ANY SUCH FACILITY THAT HAS A CAPACITY TO WITHDRAW WATERS OF THE STATE IN AN AMOUNT GREATER THAN 100,000 GALLONS PER DAY FROM OIL SOURCES SHALL BE REGISTERED BY THE CONTRACTOR WITH THE CHIEF OF THE O.D.N.R., DIVISION OF WATER, WITHIN THREE MONTHS OF THE COMPLETION OF THE FACILITY IN ACCORDANCE WITH SECTION 1521.16 OF THE OHIO REVISED CODE. COPIES OF THE NECESSARY PAPERWORK CAN BE OBTAINED AT O.D.N.R., DIVISION OF WATER, FOUNTAIN SQUARE, COLUMBUS, OHIO, 43224-1387, PHONE: (614) 265-6717. ANY DEVICE INSTALLED FOR THE PURPOSE OF LOWERING THE GROUNDWATER LEVEL TO FACILITATE CONSTRUCTION OF THIS PROJECT SHALL BE PROPERLY ABANDONED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 3745-9-10 OF THE OHIO ADMINISTRATIVE CODE OR IN ACCORDANCE WITH THE PROVISION OF THIS PLAN OR AS DIRECTED BY THE CITY OF MOUNT VERNON OR THEIR REPRESENTATIVE. BYPASS PUMPING IS REQUIRED WHEREVER THE FLOW IN ANY SEWER IS DISRUPTED BY THE CONSTRUCTION ACTIVITIES. BYPASS PUMPING MUST PROVIDE FOR POSSIBLE STORM FLOWS THAT MAY TYPICALLY BE EXPECTED DURING THE SEASONS THAT THE WORK IS IN PROGRESS. THE CONTRACTOR SHALL HAVE A CONTINGENCY PLAN TO PREVENT DAMAGE DURING HIGH FLOWS. THE CITY WILL NOT BE RESPONSIBLE FOR DAMAGES DUE TO HIGH FLOWS. THE CONTRACTOR SHALL CONVEY ALL WATER TO A NATURAL DRAINAGE CHANNEL OR STORM SEWER WITHOUT DAMAGE TO PROPERTY BY UTILIZING PROPER EROSION AND SEDIMENT CONTROLS. DIRECT DISCHARGE OF SEDIMENT LADEN WATER TO THE CITY'S SEWER SYSTEM OR A RECEIVING STREAM IS A VIOLATION OF OHIO EPA AND THE CITY OF MOUNT VERNON REGULATIONS. THE CONTRACTOR WILL BE HELD LIABLE FOR ANY VIOLATION AND SUBSEQUENT FINES. THE CONTRACTOR SHALL BE RESPONSIBLE TO PLACE AND MAINTAIN THE NECESSARY SEDIMENT CONTROL MEASURES TO FILTER THE DEWATERING DISCHARGE. COST FOR THE ABOVE SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS PROJECT IMPROVEMENTS. THE COST OF ANY DEWATERING OPERATIONS REQUIRED FOR THE CONSTRUCTION ACTIVITIES SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS BID ITEMS.

33. **SAWCUTTING**
SAWCUTTING IS INCLUDED IN PAVEMENT REMOVAL, EXCAVATION, CURB REMOVAL AND WALK REMOVAL TO PROVIDE SMOOTH STRAIGHT EDGES. NO SEPARATE PAYMENT SHALL BE MADE. WHEN NEW UTILITY LINES ARE INSTALLED UNDER EXISTING PAVEMENT, THE PAVEMENT SHALL BE SAWCUT PRIOR TO EXCAVATION, UNLESS THE PAVEMENT IS BEING REMOVED FOR ROADWAY RECONSTRUCTION. NO SEPARATE PAYMENT WILL BE MADE FOR SAWCUTTING PAVEMENT. WHEN SAWCUTTING OF PAVEMENT (CONCRETE, ASPHALT, ETC.) IS NECESSARY, THE CONTRACTOR SHALL EMPLOY DUST COLLECTION MEASURES AND SHALL ENSURE ALL SLURRY IS CLEANED FROM THE ROADWAY OR WALKING SURFACE IMMEDIATELY AFTER SAWING. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ANY DAMAGE TO PRIVATE PROPERTY CAUSED BY FUGITIVE DUST AND SLURRY.

34. **RECORD PLANS**
THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING "RECORD PLAN" CONSTRUCTION DRAWINGS TO THE CITY OF MOUNT VERNON AFTER THE PROJECT HAS BEEN COMPLETED. THE PLANS MUST IDENTIFY ANY AND ALL FIELD MODIFICATIONS TO, AND DEVIATIONS FROM, THE APPROVED PLAN SET.
A REDLINE SET OF PLANS REFLECTING THE "RECORD PLAN" INFORMATION SHALL BE KEPT BY THE CONTRACTOR AND PROVIDED TO THE ENGINEER FOR REVIEW AND SUBSEQUENT PREPARATION OF THE RECORD PLAN DRAWINGS. IF THE REDLINE PLANS ARE INCOMPLETE OR MISSING INFORMATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING THE MISSING INFORMATION BY FIELD SURVEY OR OTHER MEANS TO FACILITATE A COMPLETE SET OF RECORD DRAWINGS. FOR ACCEPTANCE OF WORK, THE CITY REQUIRES A SIGNED COMPLETE SET OF RECORD DRAWINGS.

35. **UTILITIES**
THE IDENTITY AND LOCATIONS OF EXISTING UNDERGROUND UTILITIES LOCATED IN AND AROUND THE CONSTRUCTION AREA HAVE BEEN SHOWN AND LABELED ON THE PLANS AS ACCURATELY AS PROVIDED BY USING INFORMATION PROVIDED BY THE RESPECTIVE UTILITY OWNERS. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CITY OF MOUNT VERNON AND/OR THE DESIGN ENGINEER ASSUME NO RESPONSIBILITY TO THE ACCURACY, LOCATIONS OR DEPTHS OF THE UNDERGROUND FACILITIES AS SHOWN ON THE PLANS.

THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES WHETHER SHOWN ON THESE PLANS OR NOT. THE CONTRACTOR SHALL EXPOSE ALL UTILITIES OR STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL EFFECT ON THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL CALL, TOLL FREE, THE OHIO UTILITIES PROTECTION SERVICE (1-800-362-2764) 72 HOURS PRIOR TO CONSTRUCTION AND SHALL NOTIFY ALL UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO WORK IN THE VICINITY OF THEIR UNDERGROUND LINES.

THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION OF ANY UTILITIES AS REQUIRED BY THE PLAN WITH THE OWNER OF THE AFFECTED UTILITY.

SUPPORT AND PROTECTION OF ALL UTILITIES AND APPURTENANCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. COSTS FOR REPAIR AND RESTORATION OF EXISTING UTILITIES DAMAGED BY THE CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL SERVICE LATERALS AND LINES. COSTS ASSOCIATED WITH THE ABOVE WORK AND RESPONSIBILITIES SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS.

PRIVATE UTILITY MANHOLES WITHIN THE LIMITS OF THE WORK SHALL BE ADJUSTED TO GRADE BY THE RESPECTIVE UTILITY, IF REQUIRED AS REFERENCED ON THE PLANS. ALL PRIVATE UTILITY RELOCATION (GAS, ELECTRIC, PHONE, ETC.) WILL BE THE RESPONSIBILITY OF THE UTILITY OWNERS. THIS WORK SHALL BE DONE CONCURRENTLY WITH THE IMPROVEMENTS AS DETAILED IN THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION AND/OR PROTECTION OF ANY UTILITIES AS REQUIRED BY THE PLAN WITH THE OWNER OF THE AFFECTED UTILITY. NO SEPARATE PAYMENT SHALL BE MADE FOR COORDINATION.

35. **UTILITIES CONTINUED**
THE CITY OF MOUNT VERNON AND THE DESIGN ENGINEER ASSUME NO RESPONSIBILITY FOR UNMARKED OR INCORRECTLY MARKED UTILITIES THAT MAY INTERFERE WITH COMPLETION OF THE PROJECT. ANY DELAYS AND/OR COSTS CAUSED BY UNMARKED OR INCORRECTLY MARKED UTILITIES ARE SOLELY BETWEEN THE CONTRACTOR AND UTILITY OWNER AND ARE NOT THE RESPONSIBILITY OF THE CITY OF MOUNT VERNON AND THE ENGINEER. NOTIFICATION OF THE UTILITY COMPANIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

36. **SITE SECURITY**
IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE SUFFICIENT SITE SECURITY MEASURES AND/OR PERSONNEL TO PROTECT ALL NEW CONCRETE WORK FROM VANDALISM UNTIL THE CONCRETE IS SUFFICIENTLY CURED AT NO ADDITIONAL COST TO THE CONTRACT PRICE. THE COST OF ALL SUCH WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS.

37. **EXCAVATIONS AND TRENCHES FOR NON-WORKING HOURS**
EXCAVATIONS AND TRENCHES OVER 24 INCHES DEEP SHALL BE SECURELY BARRICADED, PLATED, OR BACKFILLED DURING NON-WORKING HOURS. THE LENGTH OF TRENCH WHICH IS OPEN SHALL AT ALL TIMES BE SUBJECT TO APPROVAL OF THE CITY ENGINEER.

38. **UNAUTHORIZED STREET EXCAVATION**
IN THE EVENT THE CONTRACTOR EXCAVATES BELOW THE ELEVATIONS CALLED FOR ON THE PLANS, THE CONTRACTOR WILL BE REQUIRED TO REPLACE THIS EXCESS EXCAVATED MATERIAL WITH COMPACTED CRUSHED LIMESTONE AGGREGATE, ITEM 304 AS DIRECTED BY THE CITY AND AT NO EXTRA COST TO THE CITY OF MOUNT VERNON.

39. **BACKFILL TESTING**
PRIOR TO CONSTRUCTION, SOIL DENSITY TESTS SHALL BE MADE ON ALL TRENCHES WHICH CROSS PAVEMENTS OR WHICH LIE SUCH THAT PAVEMENTS ARE LOCATED WITHIN ANY PORTION OF THE INFLUENCE LINE OF SAID TRENCH. WHERE RESULTS INDICATE THAT THE TRENCH DOES NOT MEET THE COMPACTION REQUIREMENTS, ALL BACKFILL MATERIALS SHOULD BE REMOVED, REPLACED AND RE-TESTED UNTIL COMPACTION MEETS REQUIREMENTS OF APPLICABLE CMS.

40. **CLEAN WATER CONNECTIONS PROHIBITED**
ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED ON THIS PROJECT. NO SURFACE, GROUND, OR TRENCH WATER SHALL BE ALLOWED TO FLOW INTO EXISTING SANITARY SEWERS.

41. **CONNECTIONS BETWEEN EXISTING PIPES AND PROPOSED STRUCTURES**
THE COST OF MAKING CONNECTIONS BETWEEN EXISTING STORM PIPES THAT ARE TO REMAIN IN SERVICE AND PROPOSED INFRASTRUCTURE, INCLUDING BUT NOT LIMITED TO CONCRETE COLLARS, COUPLINGS, MISCELLANEOUS SECTIONS OF PIPE, BACKFILLING AND BEDDING SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND INCLUDED IN THE PRICE BID.

42. **UTILITY EXCAVATION/ INSTALLATION, AND DEMOLITION**
PAYMENT FOR ALL UTILITY EXCAVATION AND/OR INSTALLATION SHALL BE INCLUDED WITHIN THE PRICE BID FOR THE CONDUIT, STRUCTURE, ETC. NO SEPARATE PAYMENT WILL BE MADE FOR EXCAVATION NECESSARY TO PERMANENTLY REMOVE ANY ITEMS DESIGNATED BY THESE PLANS. PAYMENT WILL BE INCLUDED IN THE REMOVAL ITEM.

43. **ELEVATION CHANGES**
IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING UTILITY, OR EXISTING APPURTENANCE TO BE CONNECTED TO, DIFFERS FROM THE PLAN ELEVATION AND RESULTS IN A CHANGE IN THE PLAN, THE DESIGN ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED UTILITY WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

GENERAL NOTES

DESIGN AGENCY
EMH&T
DESIGNER SJS
REVIEWER HRB 12/13/24
PROJECT ID 115280
SHEET P.8 TOTAL 111

KNO-CR5-0.47

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CITY OF MOUNT VERNON GENERAL NOTES:

44. **CROSSING AND CONNECTIONS TO EXISTING PIPES AND UTILITIES**
WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING STORM SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE DESIGN ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH ON EXISTING FACILITY. GRADES AND ELEVATIONS SHOWN ON THE PLANS SHALL NOT BE REVISED UNDER ANY CIRCUMSTANCES WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE ENGINEER. INVERT ELEVATIONS SHALL NOT DEVIATE FROM PLAN ELEVATION BY MORE THAN 0.05 FOOT. FAILING TO MEET THE ABOVE REQUIREMENTS IS CAUSE FOR REJECTION OF THE AFFECTED SECTION OF SEWER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 PIPE ITEMS.

45. **EXISTING DRAINAGE SYSTEMS**
EXISTING DRAINAGE SYSTEMS (FIELD TILES, ROOF DRAIN OUTLETS, SUMP PUMPS, ETC.) ENCOUNTERED DURING CONSTRUCTION OF THE NEW STORM SEWER OR REMOVAL OF EXISTING STORM SEWERS SHALL BE EXTENDED AS NECESSARY, AND CONNECTED TO THE PROPOSED STORM SEWER OR CULVERT BY BLIND TAPPING TO THE NEW STORM SEWER OR CONNECTED TO THE CATCH BASIN AS DIRECTED BY THE DESIGN ENGINEER. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS ODOT CMS 611 ITEMS.

THIS PLAN MAKES NO PROVISIONS FOR CONNECTION, NOR SHALL THE CONTRACTOR CONNECT, ANY UNTREATED SEPTIC DRAINAGE INTO THE DRAINAGE SYSTEM. IF THE CONTRACTOR ENCOUNTERS A PIPE OR CONNECTION TO THE STORM SEWER THAT IN THE ESTIMATION OF THE CITY OF MOUNT VERNON MAY BE AN ILLICIT CONNECTION FROM AN ON-SITE SEWAGE DISPOSAL SYSTEM, THE KNOX COUNTY HEALTH DEPARTMENT SHALL BE CONTACTED AT 740-392-2200.

SPECIAL CARE SHALL BE TAKEN BY THE CONTRACTOR SO THAT EXISTING DRAINS WILL NOT BE CLOSED OR OTHERWISE RENDERED INOPERATIVE.

46. **STRUCTURE ADJUSTMENT**
BEFORE ADJUSTING EXISTING STRUCTURES TO GRADE, THE CONTRACTOR, IN THE PRESENCE OF THE CITY OR ACCEPTABLE REPRESENTATIVE, SHALL INSPECT SAID STRUCTURES. IF STRUCTURES ARE IN POOR CONDITION, THEY SHOULD BE REPLACED WITH NEW STRUCTURES AT THE APPROPRIATE ELEVATIONS. THE CONTRACTOR SHALL FIELD VERIFY THE TOP OF CASTING ELEVATION OF ALL NEW STRUCTURES. IF PRECAST STRUCTURES ARE UTILIZED, A MINIMUM OF THE TOP 6 INCHES AND A MAXIMUM OF 12 INCHES SHALL BE FIELD PLACED EITHER WITH GRADE RINGS OR BRICK AND MORTAR TO ALLOW FOR FIELD ADJUSTMENT. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPLICABLE ODOT CMS ITEM 611. IF THE DESIGN ENGINEER DETERMINES THAT A STRUCTURE IS TOO LOW AFTER IT HAS BEEN PLACED AND ROUGH GRADING PERFORMED, THE CONTRACTOR SHOULD ADJUST THE STRUCTURE AS DIRECTED BY THE DESIGN ENGINEER AND RE-GRADE THE AREA ACCORDINGLY. THE COST TO ADJUST THE INLET SHALL BE PAID FOR IN THE PRICE BID FOR THE VARIOUS ODOT CMS 611 ITEMS AND SHALL CONSTITUTE FULL PAYMENT FOR ADJUSTING THE INLET INCLUDING GRADE RINGS, CONCRETE, EXCAVATION, BACKFILL, RE-GRADING, ETC.

47. **SEEDING AND MULCHING**
ALL SEEDING AND MULCHING FOR ALL DISTURBED AREAS SHALL BE IN ACCORDANCE WITH ODOT CMS ITEM 659. PRICE SHALL BE INCLUDED IN ITEM 659, SEEDING AND MULCHING CLASS 1.

ALL TEMPORARY/CONSTRUCTION SEEDING AND MULCHING FOR ALL DISTURBED AREAS SHALL BE IN ACCORDANCE WITH ODOT CMS ITEM 832 - REPAIR SEEDING AND MULCHING.

CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINISH GRADING REQUIRED TO PROVIDE PROPER SEED BED. ANY AREAS FAILING TO ESTABLISH A DENSE STAND SHALL BE RESEEDED, RE-FERTILIZED AND RE-MULCHED AT NO ADDITIONAL COST TO THE CITY OF MOUNT VERNON.

FERTILIZATION SHALL BE COMPOSITE COMMERCIAL TYPE AND SHALL BEAR THE MANUFACTURERS GUARANTEED STATEMENT OF ANALYSIS. FERTILIZE AT A RATE OF APPLICATION TO BE USED SHALL BE BASED ON THE RESULTS OF LABORATORY TESTS CONDUCTED BY THE CONTRACTOR AFTER FINAL GRADING IS COMPLETED.

48. **TOPSOIL**
TOPSOIL PLACEMENT SHALL BE AS SPECIFIED IN ODOT CMS ITEM 653, TOPSOIL FURNISHED AND PLACED SHALL TO BE PROVIDED FROM ON-SITE STOCK PILES OR FROM OFF-SITE SOURCES.

CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINISH GRADING REQUIRED TO PROVIDE PROPER SEED AND PLANTING BEDS. PLACE A MINIMUM OF 4-IN OF TOPSOIL IN ALL PLANTING AREAS DISTURBED DURING CONSTRUCTION. PRICE SHALL BE INCLUDED IN ITEM 653, TOPSOIL FURNISHED AND PLACED.

49. **TRENCHING**
EXCAVATING AND BACKFILLING FOR WATERLINES, STORM SEWERS OR CULVERTS SHALL COMPLY WITH ODOT CMS ITEM 611. THE CONTRACTOR SHALL EXCAVATE ALL MATERIAL OF WHATEVER NATURE ENCOUNTERED, INCLUDING ROCK, AND REMOVE EXCESS MATERIAL FROM THE SITE. NO ADDITIONAL PAYMENT WILL BE MADE FOR ROCK EXCAVATION. BLASTING IS NOT PERMITTED.

ANY EXCAVATION PERFORMED BEYOND THE STANDARD TRENCH WIDTH, AS DEFINED ON THE PLAN DETAILS DUE TO SITE CONDITIONS OR THE CONTRACTOR'S METHODS ARE DONE SO SOLELY AT THE CONTRACTOR'S EXPENSE. NO EXTRA PAYMENT WILL BE MADE FOR UNAUTHORIZED EXCAVATION.

50. **TRENCH BACKFILL**
TRENCHES WITHIN A 1:1 INFLUENCE OF THE ROADWAY AND/OR PAVEMENT INCLUDING ALL POINTS WITHIN 5-FEET BEHIND THE CURB OR EDGE OF PAVEMENT, SHALL BE FILLED AND COMPACTED PER ODOT CMS ITEM 703.11 STRUCTURAL BACKFILL. ALL OTHER TRENCHES SHALL BE FILLED AND COMPACTED AS PER ODOT CMS ITEM 611 COMPACTED BACKFILL AT A MINIMUM, OR AS OTHERWISE INDICATED WITHIN THESE PLANS. ALL COSTS FOR BACKFILL SHALL BE INCLUDED IN THE PRICE BID. NO SEPARATE PAYMENT SHALL BE MADE.

THE EXCAVATED TRENCH WIDTH 12-INCHES ABOVE THE CONDUIT MAY BE INCREASED WITHOUT EXTRA COMPENSATION. THE MINIMUM TRENCH WIDTH SHALL BE 3-FEET TO ALLOW ROOM FOR MECHANICAL EQUIPMENT (HOE TAMPS, JUMPING JACKS, ETC.).

PROVIDE COMPACTION EQUIPMENT THAT COMPACTS THE MATERIAL UNDER THE HAUNCH OF THE PIPE. USE SHOVEL SLICING AND SPUD BARS IN CONJUNCTION WITH THE COMPACTION OPERATIONS TO COMPACT THE MATERIAL AND TO MANIPULATE THE MATERIAL UNDER THE HAUNCH OF THE PIPE.

WHERE THE NEW STORM SEWER OR WATERLINE CROSSES UNDER AN EXISTING UTILITY LINE, NO. 57 STONE OR CDF SHALL BE USED VERTICALLY FROM THE BOTTOM OF THE NEW TRENCH TO 6-INCHES ABOVE THE TOP OF THE EXISTING UTILITY AND HORIZONTALLY 5-FEET ON EACH SIDE OF THE EXISTING UTILITY. THE GRANULAR BACKFILL SHALL BE PLACED AND COMPACTED IN LIFTS NOT TO EXCEED 24-INCHES FOR NO. 57 STONE.

51. **RESTORATION, CLEANUP, AND MAINTENANCE**
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE CLEANUP OF ANY DEBRIS, MUD OR DIRT TRACKED OR SPILLED IN THE CITY OF MOUNT VERNON AND/OR PUBLIC STREETS OR PRIVATE DRIVES WHETHER INSIDE OR OUTSIDE THE PROJECT AREA. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF ANY SERVICES CONTRACTED AND/OR COMPLETED BY THE CITY OF MOUNT VERNON IN THE CLEANUP OF ANY TRACKING OR SPILLAGE ANYTIME DURING PROJECT CONSTRUCTION. THE CITY OF MOUNT VERNON MAY REQUIRE THE CONTRACTOR TO PERFORM REGULAR AND FREQUENT PAVEMENT CLEANING IF EXCESSIVE AMOUNTS OF DIRT AND MUD ARE LEFT ON THE PAVEMENTS. THIS MAY INCLUDE REMOVAL BY SWEEPING, POWER CLEANING, OR MANUAL METHODS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID, UNLESS OTHERWISE SPECIFIED. THE CONTRACTOR SHALL LEAVE THE AREA DISTURBED BY CONSTRUCTION IN THE SAME OR BETTER CONDITION AS PRIOR TO COMMENCEMENT OF THIS WORK.

IT IS THE INTENT OF THE CITY OF MOUNT VERNON TO KEEP INCONVENIENCE TO THEIR RESIDENTS, BUSINESSES, AND GUESTS AT AN ABSOLUTE MINIMUM. ALL WORK IS TO CONTINUE ON A UNIFORM BASIS AND ON SCHEDULE, PARTICULARLY THE RESTORATION AND CLEANUP OF DISTURBED AREAS AFTER CONSTRUCTION. ALL FENCES, SIGNS, DRAINAGE STRUCTURES, LANDSCAPING AREAS, OR OTHER PHYSICAL FEATURES ETC. REMOVED, DISTURBED OR DAMAGED DURING WORK SHALL BE RESTORED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR UNLESS OTHERWISE PROVIDED FOR IN THE CONTRACT. ALL SAID WORK TO BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER'S ENGINEER AND CITY OF MOUNT VERNON. ALL ADDITIONAL COSTS SHALL BE AT THE CONTRACTOR'S EXPENSE. NO SEPARATE PAYMENT SHALL BE MADE.

THE CONTRACTOR SHALL PERFORM DAILY CLEANUP OF THE WORK SITE. ALL TRASH, INCLUDING CANS, BOTTLES, FOOD SCRAPS, CONTAINERS, AND WRAPPERS SHALL BE PROPERLY DISPOSED OF OFF-SITE AND SHALL NOT BE THROWN IN THE CONSTRUCTION AREA, OR WITHIN TRASH RECEPTACLES PROVIDED BY THE CITY OF MOUNT VERNON FOR IT'S GUESTS.

CARE SHALL BE EXERCISED WHEN WORKING AROUND EXISTING TREES AND SHRUBS. ANY TREES OR SHRUBS NOT MARKED FOR REMOVAL, AND DAMAGED BY THE CONTRACTOR WILL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY OF MOUNT VERNON AND/OR THE OWNER.

SPECIAL CARE SHALL BE TAKEN TO AVOID DAMAGE TO TREES AND THEIR ROOT SYSTEMS. MACHINE EXCAVATION SHALL NOT BE USED WHEN, IN THE OPINION OF THE ENGINEER, IT WOULD ENDANGER THE TREE ROOTS. IN GENERAL, WHERE EXCAVATION IS WITHIN TEN (10) FEET OF THE CENTER OF A TREE WHICH IS NOT TO BE REMOVED, THE ENGINEER SHALL BE NOTIFIED (PRIOR TO EXCAVATION) FOR HIS DETERMINATION ON HOW BEST TO PROCEED. THE OPERATION OF ALL EQUIPMENT, PARTICULARLY WHEN EMPLOYING BOOMS, THE STORAGE OF MATERIALS AND THE DISPOSITION OF EXCAVATION, SHALL BE CONDUCTED IN A MANNER WHICH WILL NOT INJURE TREES, TRUNKS, BRANCHES OR THEIR ROOTS. THE COST OF ALL SUCH WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS.

ALL SURFACES INCLUDING DRAINAGE STRUCTURES, LANDSCAPING, PAVEMENTS, DRIVEWAYS, BERMS AND OTHER SURFACES DISTURBED DURING CONSTRUCTION OF THIS PROJECT SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR BETTER BY THE CONTRACTOR AT NO ADDITIONAL COST.

CONTRACTOR SHALL KEEP ALL STREETS, LANES, AND PARKING AREAS ADJACENT TO THE PROJECT CLEAN AND FREE FROM ANY DEBRIS, MUD AND/OR OTHER CONSTRUCTION EQUIPMENT AT ALL TIMES DURING THE PROJECT. ALL VEHICLES SHALL ENTER AND EXIT THE WORK SITE BY THE SAME ROUTE TO AVOID THE TRACKING OF ANY CONSTRUCTION MATERIALS. THE CONTRACTOR IS PROHIBITED FROM USING DRIVEWAYS TO TURN VEHICLES AROUND. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE AT HIS OWN EXPENSE ANY CONSTRUCTION DEBRIS FROM ALL CURBS, GUTTERS, STRUCTURES, OR NON-SCHEDULED STREETS WHICH HAVE BEEN MARRED OR DEFACED DURING THE PROCESS OF TRANSPORTING OR APPLYING ANY CONSTRUCTION RELATED MATERIALS.

52. **COMPACTION TESTING**
THE CONTRACTOR IS RESPONSIBLE FOR ALL COMPACTION, ASPHALT AND CONCRETE TESTING. THE CITY RESERVES THE RIGHT TO HAVE COMPACTION TESTING PERFORMED BY THE CONTRACTOR OUTSIDE OF THE INFLUENCE OF THE ROADWAY.

53. **PAVEMENT JOINTS**
ALL PAVEMENT JOINTS, PARTICULARLY WHERE A PROPOSED PAVEMENT ABUTS AN EXISTING PAVEMENT, AND ALL PAVEMENT JOINTS ABUTTING UTILITY STRUCTURES SUCH AS MANHOLES, CATCH BASINS, VALVE BOXES, ETC., SHALL BE FILLED IN ACCORDANCE WITH A MATERIAL AS SPECIFIED BY ODOT CMS ITEM 705.04.

GENERAL NOTES

MODEL: Sheet 4 PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:22:29 AM USER: jtheuring
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DESIGN AGENCY
EMH&T
DESIGNER SJS
REVIEWER HRB 12/13/24
PROJECT ID 115280
SHEET P.9 TOTAL 111

CITY OF MOUNT VERNON GENERAL NOTES:

WATER MAIN NOTES:

*54. **SHUT-OFFS***

NO SHUT-OFFS ARE PERMITTED TO OCCUR ONE (1) BUSINESS DAY BEFORE A FEDERAL HOLIDAY, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER. ALL WATER LINE WORK, SUCH AS CONNECTING TO EXISTING WATER LINES, WHICH REQUIRE THE SHUT-DOWN OF EXISTING WATER MAINS SHALL BE FULLY COORDINATED WITH THE CITY OF MOUNT VERNON ENGINEERING DEPARTMENT AND WATER DEPARTMENT. ALL WORK SHALL BE SCHEDULED AND PERFORMED IN SUCH A MANNER AS TO RESULT IN A MINIMUM AMOUNT OF SHUT-DOWN TIME FOR EXISTING WATER LINES.

*55. **WATER MAIN & SERVICES PROTECTION NOTE***

THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION TO PROTECT THE EXISTING WATER LINES AND WATER SERVICES, WITHIN THE LIMITS OF THIS IMPROVEMENT, FROM DAMAGE DUE TO MINIMAL COVER. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE PROPER FINAL COVER ON ALL WATER LINES (48-IN MIN.) AND WATER SERVICES (42-IN MIN.) WITHIN THE LIMITS OF THIS IMPROVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST AND THE REPAIR OF ANY DAMAGES CAUSED BY NOT FOLLOWING THIS REQUIREMENT. ALL PROTECTIVE MEASURES MUST BE APPROVED BY THE DESIGN ENGINEER.

*56. **LOCATION OF APPURTENANCES***

ALL VALVE BOXES, SERVICE BOXES, AND FIRE HYDRANTS SHALL BE LOCATED WITHIN THE RIGHT-OF-WAY.

*57. **HORIZONTAL & VERTICAL SEPARATION***

MAINTAIN EIGHTEEN (18) INCHES VERTICAL SEPARATION AND TEN (10) FEET HORIZONTAL SEPARATION BETWEEN ANY SANITARY OR STORM SEWER PIPING AND SEWER STRUCTURES AND ALL PROPOSED WATER MAINS.

WHERE NEW CONDUIT IS PROPOSED TO CROSS AN EXISTING OR PROPOSED WATER MAIN OR WATER SERVICE, A MINIMUM OF 18-INCHES OF VERTICAL CLEARANCE SHALL BE MAINTAINED BETWEEN THE CONDUIT AND THE WATER MAIN OR SERVICE. A MINIMUM OF 3-FEET OF HORIZONTAL CLEARANCE (OUT-TO-OUT) IS REQUIRED AT LOCATIONS WHERE THE CONDUIT IS PARALLEL TO THE WATER MAIN AND AT LOCATIONS OF WATER LINE THRUST BLOCKS.

A MINIMUM OF 3-FEET OF HORIZONTAL CLEARANCE (OUT-TO-OUT) SHALL BE MAINTAINED BETWEEN ALL EXISTING WATER MAINS AND FOUNDATIONS FOR POLES, PULL BOXES, PUSH BUTTON PEDESTALS, AND ANY OTHER MISCELLANEOUS ELECTRICAL STRUCTURES.

*58. **VALVE BOXES, WATER SERVICE BOXES, AND OTHER SURFACE STRUCTURES***

EXISTING WATER SERVICE PITS TO REMAIN THAT ARE ENCOUNTERED WHEN CONSTRUCTING NEW DRIVEWAYS, TRAILS, AND SIDEWALKS SHALL BE CLEANED OUT, CENTERED OVER THE METER, AND ADJUSTED TO THE PROPOSED GRADE. ALL COSTS SHALL BE INCLUDED WITH THE BID FOR 638 ITEMS. NO SEPARATE PAYMENT WILL BE MADE.

ALL VALVE BOXES, METER PIT COVERS, AND OTHER SURFACE UTILITY STRUCTURES THAT ARE TO REMAIN SHALL BE ADJUSTED TO GRADE WHERE NEW WALK, PAVERS, OR PAVEMENT IS CONSTRUCTED. ALL COSTS SHALL BE INCLUDED WITH THE BID FOR 638 ITEMS. NO SEPARATE PAYMENT WILL BE MADE.

*59. **HEAVY DUTY VALVE BOX***

EXISTING OR PROPOSED VALVES LOCATED WITHIN EXISTING OR PROPOSED PAVEMENT, DRIVEWAY, OR OTHER TRAVELED AREAS, SHALL BE PROVIDED WITH A HEAVY DUTY VALVE BOX IN ACCORDANCE WITH THE DETAIL SHOWN ON THESE PLANS.

THE COST OF ALL HEAVY DUTY VALVE BOXES FOR PROPOSED VALVES SHALL BE INCLUDED WITHIN THE COST OF THE PROPOSED VALVE. NO SEPARATE PAYMENT SHALL BE MADE.

*60. **BLOCKING***

ALL FITTINGS SHALL BE ADEQUATELY RESTRAINED WITH CONCRETE BLOCKING. ALL FITTINGS TO BE BACKED MUST BE THOROUGHLY WRAPPED IN A PLASTIC SHEETING PRIOR TO PLACING CONCRETE.

*61. **FIRE HYDRANTS***

NO TWO (2) ADJACENT FIRE HYDRANTS SHALL BE TAKEN OUT OF SERVICE CONCURRENTLY. RELOCATED FIRE HYDRANTS SHALL BE PUT BACK INTO SERVICE AS SOON AS POSSIBLE.

*62. **WATER SERVICES***

THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO ALL AFFECTED PROPERTY OWNERS AT LEAST 24 HOURS, BUT NOT MORE THAN 72 HOURS PRIOR TO ANY TEMPORARY INTERRUPTION OF WATER SERVICE. INTERRUPTION OF WATER SERVICE SHALL BE HELD TO A MINIMUM AND SHALL BY APPROVED BY THE CITY ENGINEER. THE CONTRACTOR SHALL COORDINATE THEIR WORK SUCH THAT NO WATER CUSTOMER WILL HAVE THEIR SERVICE DISRUPTED MORE THAN TWO (2) TIMES THROUGHOUT THE DURATION OF THIS PROJECT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING REPAIRS TO EXISTING WATER SERVICE LINES WHERE EXISTING WATER SERVICES ARE DAMAGED DURING CONSTRUCTION. REPAIRS SHALL BE MADE USING APPROVED PIPE, UNION, AND COUPLERS AND SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER AND THE CITY OF MOUNT VERNON WATER DEPARTMENT. THE COST FOR REPAIRING EXISTING WATER SERVICE LINES, INCLUDING ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT NECESSARY TO COMPLETE THE REPAIRS SHALL BE INCLUDED IN THE VARIOUS BID PRICES. NO SEPARATE PAYMENT WILL BE MADE.

THE CONTRACTOR SHALL PROVIDE ALL WORK NECESSARY TO INSTALL WATER SERVICE LINES, WHERE SHOWN ON THE PLANS OR OTHERWISE REQUIRED AND IN ACCORDANCE WITH THESE SPECIFICATIONS. WHERE SERVICE LINES ARE SHOWN TO CROSS THE STREET THE CONTRACTOR SHALL PERFORM ALL WORK UTILIZING TRENCHLESS METHODS.

*63. **CLEANING & FLUSHING***

ALL WATER MAINS SHALL BE CLEANED AND FLUSHED.

*64. **LEAD SERVICE LINE***

IN THE EVENT A LEAD SERVICE LINE IS DETECTED THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER. ALL WORK PERFORMED ON SERVICES LINES DETERMINED TO BE LEAD SHALL BE AT THE DIRECTION OF THE OWNER OR OWNER'S ENGINEERING REPRESENTATIVE.

*65. **MECHANICAL JOINTS***

CONTRACTOR SHALL RESTRAIN ALL MECHANICAL JOINTS WITH A WEDGE ACTION TYPE JOINT RESTRAINT WITH TWIST-OFF NUTS. THE CONTRACTOR SHALL INSTALL CONCRETE BLOCKING IN CONJUNCTION WITH RESTRAINED JOINTS AT ALL BENDS (VERTICAL OR HORIZONTAL), TEES, PLUGS, VALVES, AND HYDRANTS. ALL BOLTS SHALL BE PROTECTED FROM CONCRETE WITH VISQUEEN.

*66. **TRACER WIRE***

I. INSTALL COPPERHEAD OR EQUAL 12-GAUGE HIGH STRENGTH 452LB BREAK STRENGTH 30 MIL HDPE JACKET, COPPER-CLAD, STEEL REINFORCED TRACER WIRE ON ALL WATER MAIN AND SERVICE LINES INSTALLED BY TRENCHING METHODS.

II. INSTALL COPPERHEAD OR EQUAL 12-GAUGE EXTRA HIGH STRENGTH 1150LB BREAK STRENGTH 45 MIL HDPE JACKET, COPPER-CLAD, STEEL REINFORCED TRACER WIRE ON ALL WATER MAIN AND SERVICE LINES INSTALLED BY BORING METHODS.

III. FASTEN WIRE TO PIPE IN TWO PLACES PER PIPE SECTION. EXTEND TRACER WIRE TO GROUND SURFACE AT ALL VALVES AND HYDRANTS. SPLICE WIRES USING BURNDY COPPER SPLIT BOLT KS-15. THOROUGHLY WRAP THE CONNECTOR AND BARE WIRES WITH 3M TEMFLEX 2155 RUBBER SPLICING TAPE, COVER THE ENTIRE CONNECTION WITH SCOTCH SUPER 88 HEAVY DUTY GRADE ELECTRICAL TAPE.

IV. CONNECT ALL SERVICE LINES WIRES TO MAIN LINE WIRES USING BURNDY COPPER SPLIT BOLT KS-15. THOROUGHLY WRAP THE CONNECTOR AND BARE WIRES WITH 3M TEMFLEX 2155 RUBBER SPLICING TAPE, COVER THE ENTIRE CONNECTION WITH SCOTCH SUPER 88 HEAVY DUTY GRADE ELECTRICAL TAPE.

V. SERVICE LINE TRACER WIRES SHALL BE TERMINATED INSIDE EACH METER PIT ASSEMBLY.

VI. CONTRACTOR SHALL TEST THE CONTINUITY OF ALL WIRE USING A THIRD PARTY TESTER.

1. THE CONTRACTOR SHALL CONTACT THE CITY OF MOUNT VERNON A MINIMUM OF 24 HOURS PRIOR TO TESTING.

2. TESTER SHALL SEND A SIGNED REPORT TO THE CITY OF MOUNT VERNON AFFIRMING ALLWIRE HAS CONTINUITY.

3. THE CONTRACTOR SHALL REPAIR ALL DEFICIENCIES.

GENERAL NOTES

DESIGN AGENCY
EMH&T

DESIGNER
SJS

REVIEWER
HRB 12/13/24

PROJECT ID
115280

SHEET P.10 | TOTAL 111

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CITY OF MOUNT VERNON GENERAL NOTES:
SUPPLEMENTAL ITEM NOTES:

ITEM 201 - CLEARING AND GRUBBING, AS PER PLAN
THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVALS, LABOR, TOOLS, MATERIAL, EQUIPMENT NECESSARY TO PRUNE, CLEAR AND GRUB ALL TREES, FENCE POSTS, ROCKS, BRUSH, STUMPS, AND FENCE SPECIFICALLY MARKED FOR REMOVAL THAT HAVE NOT BEEN ITEMIZED WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT. THE CITY OF MOUNT VERNON INTENDS TO REMOVE ALL TREES WITHIN THE CONSTRUCTION LIMITS OF THESE PLANS, NOT MARKED AS DND, AHEAD OF THE CONSTRUCTION OF THIS PROJECT, LEAVING ONLY THE STUMPS. CONTRACTOR TO COORDINATE WITH THE CITY TO CONFIRM THIS AHEAD OF CONSTRUCTION. THE CITY OF MOUNT VERNON RESERVES THE RIGHT TO ORDER THE REMOVAL OF ANY RIGHT-OF-WAY ENCROACHMENT, ADDITIONAL TREES AND STUMPS LOCATED WITHIN THE RIGHT-OF-WAY, BUT NOT SHOWN ON THE PLANS.

THE CITY WILL PAY FOR ITEM 201 - CLEARING AND GRUBBING, AS PER PLAN AT THE CONTRACT UNIT PRICE OF LUMP SUM.

ITEM 638 - METER AND CHAMBER REMOVED AND RESET, AS PER PLAN (MOUNT VERNON)
ITEM 638 - SPECIAL - VALVE BOX ADJUSTED TO GRADE (MOUNT VERNON)
ITEM 638 - SPECIAL - SERVICE BOX ADJUSTED TO GRADE (MOUNT VERNON)

ALL PROPOSED WATER WORK SHALL BE CONSTRUCTED IN THE PRESENCE OF AN ON SITE INSPECTOR AND SHALL BE COORDINATED AND APPROVED BY THE MUNICIPAL UTILITIES OF THE CITY OF MOUNT VERNON. NO VIBRATORY ROLLING WILL BE PERMITTED OVER THE WATERLINE AS APPROVED BY THE ENGINEER AND CITY OF MOUNT VERNON. ALL ASSOCIATED COST TO PERFORM THIS COORDINATION, CONSTRUCT, AND ACQUIRE THE CITY OF MOUNT VERNON APPROVAL OF THE PROPOSED WATER WORK CONSTRUCTION IS TO BE INCLUDED IN UNIT PRICES BID FOR ITEM 638.

CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF EXISTING WATER FACILITIES PRIOR TO CONSTRUCTION UNDER ITEMS 611 AND 605.

WATER METERS SHALL BE RELOCATED AS APPROVED BY THE CITY OF MOUNT VERNON. DISCONNECT THE EXISTING WATER METERS AND REPLACE THEM WITH SUITABLE CONNECTIONS. A NEW WATER METER BOX SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR AT THE NEW LOCATION AS APPROVED BY THE ENGINEER AND THE CITY OF MOUNT VERNON. ALL LABOR, MATERIAL, EQUIPMENT AND INCIDENTALS TO CONSTRUCT THIS ITEM COMPLETE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 638 - METER AND CHAMBER REMOVED AND RESET, AS PER PLAN.

ALL MATERIAL SHALL BE MANUFACTURED IN THE U.S.A.

ALL LABOR AND MATERIALS NECESSARY TO COMPLETE THIS WORK SHALL BE INCLUDED IN ITEM 638 - METER AND CHAMBER REMOVED AND RESET, AS PER PLAN (MOUNT VERNON), ITEM 638 - SPECIAL - VALVE BOX ADJUSTED TO GRADE (MOUNT VERNON), ITEM 638 - SPECIAL - SERVICE BOX ADJUSTED TO GRADE (MOUNT VERNON).

THE QUANTITIES ARE INCLUDED IN THE ROADWAY SUBSUMMARY AND CARRIED TO THE GENERAL SUMMARY TO BE USED.

6" GATE VALVE AND VALVE BOX (MOUNT VERNON)
THE CONTRACTOR SHALL FURNISH ALL LABOR, TOOLS, MATERIAL AND EQUIPMENT NECESSARY TO FURNISH AND INSTALL NEW VALVES AT THE LOCATIONS SHOWN ON THE PLANS. THE ITEM SHALL INCLUDE ALL WORK NECESSARY TO COMPLETE THIS ITEM IN ACCORDANCE TO ODOT ITEM 638 AND WITH THE FOLLOWING MODIFICATIONS:
THE GATE VALVE SHALL MEET THE CITY OF MOUNT VERNON SPECIFICATIONS:
GATE VALVES SHALL BE MUELLER SA-2361 RWGV MJXMJ.

GATE VALVES SHALL BE OF THE DOUBLE DISC PARALLEL SEAT, IRON BODY, BRONZE, MOUNTED SIDE WEDGE TYPE. THEY SHALL COMPLY WITH THE AWWA GATE VALVE STANDARD C509, AS LATEST REVISED.

GATE VALVES SHALL BE RATED AT 200 PSI WATER WORKING PRESSURE, WITH 40 PSI HYDROSTATIC TEST FOR STRUCTURAL SOUNDNESS FOR 2-IN THROUGH 12-IN. TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH AWWA C509.

GATE VALVES SHALL BE FURNISHED WITH TYPE OF END CONNECTION SPECIFIED AS FOLLOWS: 125# ANSI B 16.1 FLANGE DRILLING, MECHANICAL JOINT PER AWWA C111 WITH ACCESSORIES.

ALL DUCTILE IRON SHALL CONFORM TO A536 GR. 65-45-12. CASTINGS SHALL BE CLEAN AND SOUND WITHOUT DEFECTS THAT WILL IMPAIR THEIR SERVICE. NO PLUGGING OR WELDING OF SUCH DEFECTS WILL BE ALLOWED. STEMS SHALL BE MANGANESE BRONZE HAVING A MINIMUM TENSILE STRENGTH OF 60,000 PSI, A MINIMUM YIELD OF 20,000 PSI FOR A 20-IN VALVE. BOLTS SHALL BE ELCTRO-ZINK PLATED WITH HEX HEADS AND HEX NUTS IN ACCORDANCE WITH ASTM A307 AND A563, RESPECTIVELY.

THE INSIDE AND OUTSIDE OF ALL VALVES, TOGETHER WITH THE WORKING PARTS EXCEPT BRONZE AND MACHINES FACES, SHALL BE COATED IN ACCORDANCE WITH AWWA STANDARDS.

MARKINGS SHALL BE IN ACCORDANCE WITH AWWA C509 STANDARDS, TO INCLUDE THE NAME OF THE MANUFACTURE, THE YEAR OF MANUFACTURE, MAXIMUM WORKING PRESSURES, AND THE SIZE OF THE VALVE.

GATE VALVES SHALL BE OF THE NON-RISING STEM TYPE (NRS) MEETING ALL OF THE APPLICABLE REQUIREMENTS OF AWWA C509. NRS VALVES SHALL BE FURNISHED WITH O-RING STEM SEALS USING TWO O-RINGS LOCATED ABOVE THE STEM COLLAR. ON ALL VALVES, O-RINGS SHALL BE SET IN SEAL PLATE. DISCS FOR VALVE SIZES 2-IN THROUGH 4-IN SHALL BE BRONZE, FOR SIZES 6-IN AND LARGER, THEY SHALL BE CAST IRON, BRONZE FACED. BRONZE FACING SHALL BE MACHINED AFTER INSERTION INTO DISC FACE. DISC SPREADERS FOR VALVES 2-IN THROUGH 8-IN SHALL BE BRONZE. SPREADERS FOR VALVES 10-IN AND LARGER SHALL BE CAST IRON, BRONZE FACED. SPREADERS SHALL ACTUATE FROM THE STEM NUT INDEPENDENT OF THE BOTTOM OF THE VALVE BODY. DIRECTION TO OPEN SHALL BE COUNTER-CLOCKWISE UNLESS OTHERWISE SPECIFIED. ALL VALVES ON THIS PROJECT IS ASSUMED TO HAVE A HEAVY DUTY VALVE BOX.

SHALL BE MANUFACTURED IN THE U.S.A.

6" WATER MAIN, DUCTILE IRON PIPE, ANSI CLASS 53, PUSH ON JOINTS AND FITTINGS (MOUNT VERNON)
THE CONTRACTOR SHALL FURNISH ALL LABOR, TOOLS, MATERIAL, EQUIPMENT AND COORDINATE INSPECTIONS NECESSARY TO FURNISH AND INSTALL NEW WATER MAINS AT THE LOCATIONS SHOWN ON THE PLANS. THE ITEM SHALL INCLUDE ALL EXCAVATION, FURNISHING AND INSTALLING THE NEW WATER MAIN COMPLETE WITH ALL FITTINGS, APPROVED POLYETHYLENE WRAP, BACKFILLING AND ALL INCIDENTAL WORK NECESSARY TO COMPLETE THIS
ITEM IN ACCORDANCE TO ODOT ITEM 638 AND WITH THE FOLLOWING MODIFICATIONS:
THE WATER MAIN SHALL MEET THE CITY OF MOUNT VERNON SPECIFICATIONS:

ALL BRASS FITTINGS ASSOCIATED WITH WATER WORK, INCLUDING REPAIRS TO THE EXISTING SYSTEM, SHALL CONFORM TO THE REVISED ALLOWABLE LEAD EXTRACTION LIMIT PER THE UPDATED NDF/ANSI 61 STANDARD.

WATERMAINS SHALL BE CONSTRUCTED OF CLASS 53 DUCTILE IRON UNLESS OTHERWISE APPROVED BY THE CITY OF MOUNT VERNON, IN WRITING. DUCTILE IRON PIPE SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST VERSION OF AWWA/ANSI C151/A21.51 AND AWWA/ANSI C150/A21.50 FOR A MINIMUM 150 PSI RATED WORKING PRESSURE PLUS A 100 PSI MINIMUM SURGE ALLOWANCE; A 2 TO 1 FACTOR OF SAFETY ON THE SUM OF WORKING PRESSURE PLUS SURGE PRESSURE.

DUCTILE IRON PIPE SHALL BE MANUFACTURED IN THE U.S.A. IN ACCORDANCE WITH THE LATEST REVISION OF AWWA/ANSI C151/21.51. EACH PIPE SHALL BE SUBJECTED TO HYDROSTATIC PRESSURE TEST OF AT LEAST 500 PSI AT THE POINT OF MANUFACTURE. PIPES SHALL HAVE STANDARD ASPHALTIC COATING ON THE EXTERIOR WITH A CEMENT MORTAR LINING ON THE INTERIOR IN ACCORDANCE WITH THE MOST CURRENT REVISION OF AWWA/ANSI C104/A21.4.

THE CLASS OR NOMINAL THICKNESS, NET WEIGHT WITHOUT LINING, AND CASTING PERIOD SHALL BE CLEARLY MARKED ON EACH LENGTH OF PIPE. ADDITIONALLY, THE MANUFACTURER'S MARK, COUNTRY WHERE CAST, YEAR IN WHICH THE PIPE WAS PRODUCED, AND THE LETTERS "DI" OR "DUCTILE" SHALL BE CAST OR STAMPED ON THE PIPE.

ALL PIPE SHALL BE FURNISHED WITH PUSH-ON TYPE JOINTS, SUCH AS "TYTON" OR "FASTITE" UNLESS MECHANICAL JOINTS ARE REQUIRED BY THE CITY OF MOUNT VERNON. JOINTS SHALL BE IN ACCORDANCE WITH AWWA/ANSI C111/A21.11, OR LATEST REVISION, AND BE FURNISHED COMPLETE WITH ALL NECESSARY ACCESSORIES. FIELD "LOK" GASKETS OR APPROVED EQUAL SHALL BE REQUIRED BY THE CITY OF MOUNT VERNON FOR ALL BENDS, TEES, REDUCERS, AND PLUGS/CAPS.

FITTINGS SHALL BE MANUFACTURED IN THE U.S.A. AND BE EITHER DUCTILE IRON OR GRAY IRON. DUCTILE IRON FITTINGS SHALL CONFORM TO THE LATEST REVISION OF EITHER AWWA/ANSI C110/A21.10 OR AWWA/ANSI C153/A21.53 AND AWWA/ANSI C111/A21.11. GRAY IRON FITTINGS SHALL BE IN ACCORDANCE WITH AWWA/ANSI C110/A21.10, OR LATEST REVISION. FITTINGS SHALL HAVE STANDARD ASPHALTIC COATING ON THE EXTERIOR AND A CEMENT MORTAR LINING ON THE INTERIOR IN ACCORDANCE WITH AWWA/ANSI C104/A21.4, OR LATEST REVISION.

FITTINGS AND ACCESSORIES SHALL BE FURNISHED WITH EITHER MECHANICAL OR PUSH-ON TYPE JOINTS IN ACCORDANCE WITH AWWA/ANSI C111/A21.11, OR LATEST REVISION.

ALL PIPE, FITTINGS, AND ACCESSORIES SHALL BE INSTALLED AND TESTED IN ACCORDANCE WITH THE LATEST REVISION OF AWWA STANDARD C600. NEWLY INSTALLED DUCTILE IRON WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH THE LATEST REVISION OF AWWA STANDARD C651 PRIOR TO PLACING IN SERVICE.

PIPE TRENCHING, BACKFILL AND BEDDING SHALL FOLLOW THE STANDARD DRAWING PROVIDED.

POLYETHLYNE PIPE ENCASEMENT USING V-BIO ENHANCED POLYETHYLENE ENCASEMENT OR APPROVED EQUAL SHALL BE INCLUDED WITH THE INSTALLATION OF THE WATER MAIN AND SHALL MEET THE FOLLOWING REQUIREMENTS, PIPE SHALL BE ENCASED PER THE LATEST EDITION OF AWWA/ANSI C105/A21.5, AMERICAN NATIONAL STANDARDS INSTITUTE FOR POLYETHYLENE ENCASEMENT FOR DUCTILE IRON PIPE SYSTEMS.

ALL VISIBLE VALVE BOXES, FIRE HYDRANTS, AND SERVICE BOXES ON THE WATER LINE TO BE ABANDONED, WHICH WILL NO LONGER BE IN SERVICE SHALL BE REMOVED. FIRE HYDRANTS LOCATED WITHIN THE CITY OF MOUNT VERNON SHALL BE DELIVERED TO THE CITY. ALL WATER MAINS TO BE ABANDONED SHALL BE MADE WATERTIGHT. THE COST TO ABANDON THE EXISTING WATER MAIN, REMOVE ABANDONED VALVE AND SERVICE BOXES, REMOVE HYDRANTS AND DELIVER HYDRANTS TO THE CITY SHALL BE INCLUDED IN THE PRICE BID UNDER ITEM SPECIAL WATER MAIN, DUCTILE IRON PIPE. REQUIRED RESTORATION SHALL BE PAID FOR UNDER THE APPROPRIATE BID ITEM(S).

ALL MATERIAL SHALL BE MANUFACTURED IN THE U.S.A.

GENERAL NOTES

DESIGN AGENCY
EMH&T
DESIGNER SJS
REVIEWER HRB 12/13/24
PROJECT ID 115280
SHEET P.11 TOTAL 111

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ITEM 638 - EXTENDED AND ADJUSTED TO GRADE (MOUNT VERNON)
ITEM 638 - SPECIAL - FIRE HYDRANT ADJUSTED TO GRADE (MOUNT VERNON)

ALL PROPOSED WATER WORK SHALL BE CONSTRUCTED IN THE PRESENCE OF AN ON SITE INSPECTOR AND SHALL BE COORDINATED AND APPROVED BY THE MUNICIPAL UTILITIES OF THE CITY OF MOUNT VERNON. NO VIBRATORY ROLLING WILL BE PERMITTED OVER THE WATERLINE AS APPROVED BY THE ENGINEER AND CITY OF MOUNT VERNON. ALL ASSOCIATED COST TO PERFORM THIS COORDINATION, CONSTRUCT, AND ACQUIRE THE CITY OF MOUNT VERNON APPROVAL OF THE PROPOSED WATER WORK CONSTRUCTION IS TO BE INCLUDED IN UNIT PRICES BID FOR ITEM 638.

ANY 6" WATER MAIN, JOINTS AND FITTINGS, GATE VALVES AND VALVE BOXES SHALL BE PER INCIDENTAL TO ITEM 638 - FIRE HYDRANT ADJUSTED TO GRADE (MOUNT VERNON) AND ITEM 638 - SPECIAL - FIRE HYDRANT EXTENDED AND ADJUSTED TO GRADE (MOUNT VERNON

ALL WORK SHALL BE IN ACCORDANCE WITH 2023 ODOT CMS, CITY OF MOUNT VERNON NOTES AND THE DETAILS SHOWN ON THESE PLANS.

ANY DRIVEWAY, SIDEWALK, OR PAVEMENT REPLACEMENT THAT IS NECESSARY TO REMOVE TO INSTALL THESE ITEMS, THAT ARE NOT ALREADY INCLUDED IN THE CONSTRUCTION PLANS, ARE INCIDENTAL TO THESE ITEMS AND SHALL BE REPLACED IN KIND. MATERIAL SHALL BE COORDINATED WITH THE CITY OF MOUNT VERNON BEFORE CONSTRUCTION.

CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF EXISTING WATER FACILITIES PRIOR TO CONSTRUCTION UNDER ITEMS 611 AND 605.

ALL MATERIAL SHALL BE MANUFACTURED IN THE U.S.A.

ALL LABOR AND MATERIALS NECESSARY TO COMPLETE THIS WORK SHALL BE INCLUDED IN ITEM 638 - FIRE HYDRANT EXTENDED AND ADJUSTED TO GRADE (MOUNT VERNON) AND ITEM 638 - SPECIAL - FIRE HYDRANT ADJUSTED TO GRADE (MOUNT VERNON).

THE QUANTITIES ARE INCLUDED IN THE ROADWAY SUBSUMMARY AND CARRIED TO THE GENERAL SUMMARY TO BE USED.

ITEM 204 - SUBGRADE COMPACTION AND PROOF ROLLING

CONSTRUCT THE SUBGRADE AS FOLLOWS AND IN THE FOLLOWING SEQUENCE:

1. *SHAPE THE SUBGRADE TO WITHIN 0.2 FEET OF THE PLAN SUBGRADE ELEVATION.*

2. *EXCAVATE AND REPLACE UNSUITABLE SUBGRADE BEFORE PROOF ROLLING. THE EXCAVATION LIMITS ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSUITABLE SUBGRADE. UNSUITABLE SUBGRADE INCLUDES UNSUITABLE SOIL (A-4B, A-2-5, A-5, A-7-5, AND SOIL WITH A LIQUID LIMIT GREATER THAN 65) AND ANY COAL, SHALE, OR ROCK WHICH NEEDS TO BE REMOVED ACCORDING TO SECTION 204.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS).*

   IF THERE IS UNSUITABLE SUBGRADE IN A SHALLOW FILL LOCATION, EXCAVATE AND REPLACE THE UNSUITABLE SUBGRADE BEFORE CONSTRUCTING THE SHALLOW FILL AND SHAPING THE SUBGRADE.

3. *COMPACT THE SUBGRADE ACCORDING TO C&MS 204.03.*

4. *APPROXIMATE LIMITS FOR EXCAVATION OF UNSTABLE SUBGRADE ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSTABLE SUBGRADE. THE ENGINEER WILL IDENTIFY THE ACTUAL LIMITS OF EXCAVATION FOR UNSTABLE SUBGRADE BASED ON THE PROOF ROLLING RESULTS AND VISUAL OBSERVATIONS.*

   PROOF ROLL THE COMPACTED SUBGRADE ACCORDING TO C&MS 204.06.

5. *EXCAVATE UNSTABLE SUBGRADE AS DIRECTED BY THE ENGINEER AND STABILIZE BY REPLACING WITH THE SPECIFIED MATERIALS ACCORDING TO C&MS 204.07. EXCAVATIONS WILL EXTEND 18 INCHES BEYOND THE EDGE OF THE SURFACE OF THE PAVEMENT, PAVED SHOULDERS, OR PAVED MEDIANS.*

6. *PROOF ROLL THE STABILIZED AREAS ACCORDING TO C&MS 204.06 TO VERIFY STABILITY.*

7. *FINE GRADE THE SUBGRADE TO THE SPECIFIED GRADE.*

THE QUANTITIES FOR EXCAVATING THE UNSUITABLE SUBGRADE AND UNSTABLE SUBGRADE ARE BOTH PAID UNDER ITEM 204, EXCAVATION OF SUBGRADE.

GENERAL NOTES

DESIGN AGENCY
EMH&T

DESIGNER
SJS

REVIEWER
HRB 12/13/24

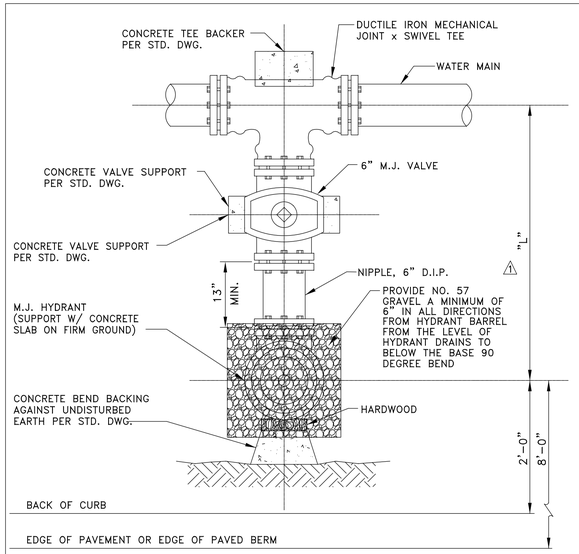
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CITY OF MOUNT VERNON WATERLINE DETAILS:



MAIN LINE	DIMENSION "L"
	TYPE "A"
6"	39"
8"	40"
12"	43"
16"	46"
20"	58"
24"	61"
30"	64"

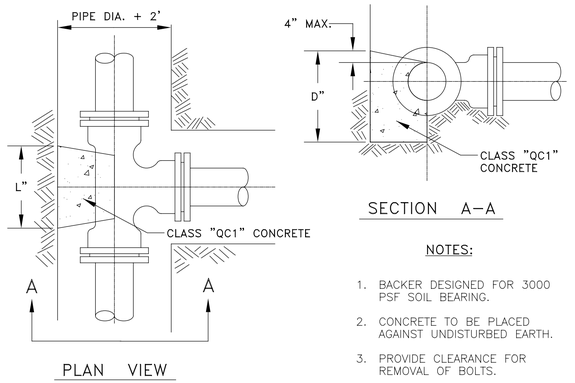
NOTES:

1. FIRE HYDRANT SHALL HAVE A MAXIMUM BURY OF 7'-0". MODIFICATION OF THE HYDRANT LEAD TO MEET THIS REQUIREMENT SHALL BE IN THAT SECTION FROM THE VALVE TO THE HYDRANT.
2. FIRE HYDRANTS SHALL BE SET A MINIMUM OF 6' FROM ALL DRIVEWAY OPENINGS.
3. TEE USED TO CONNECT HYDRANT LEAD TO WATER MAIN IS INCLUDED IN COST OF ITEM SPEC, 6" FIRE HYDRANT.
4. PROVIDE GRAVEL POCKET OF NO.57 STONE FOR HYDRANT DRAIN.

TYPICAL TYPE "A" HYDRANT SETTING

RUN	BRANCH																							
	3"			4"			6"			8"			12"			16"			20"			24"		
	L"	D"	Vc.f.	L"	D"	Vc.f.	L"	D"	Vc.f.	L"	D"	Vc.f.	L"	D"	Vc.f.	L"	D"	Vc.f.	L"	D"	Vc.f.	L"	D"	Vc.f.
3"	12	5	0.5																					
4"	10	6	0.5	11	8	0.8																		
6"	9	7	0.5	11	8	0.8	18	12	1.9															
8"	8	8	0.5	10	9	0.7	18	12	1.9	23	16	3.5												
12"	6	12	0.6	8	12	0.8	18	12	1.9	23	16	3.5	38	22	8.7									
16"							14	16	2.0	20	18	3.3	36	23	8.7	49	30	13.6						
20"							11	20	1.9	18	20	3.3	35	24	8.7	46	32	13.6	60	38	26.5			
24"							9	24	1.9	15	24	3.3	30	28	8.7	42	36	14.0	54	42	26.3	68	48	45.4

STEEL WILL BE USED AS REQUIRED BY THE ENGINEER



PLAN VIEW

SECTION A–A

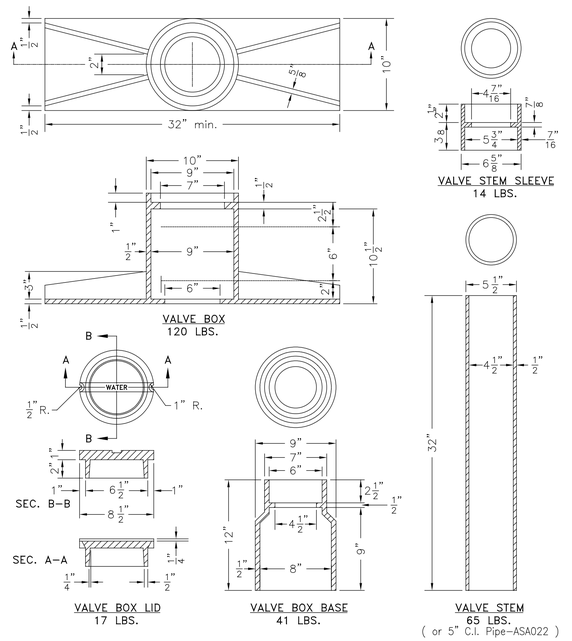
NOTES:

1. BACKER DESIGNED FOR 3000 PSF SOIL BEARING.
2. CONCRETE TO BE PLACED AGAINST UNDISTURBED EARTH.
3. PROVIDE CLEARANCE FOR REMOVAL OF BOLTS.

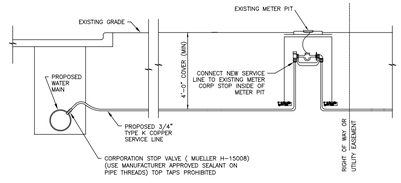
BACKING FOR TEES

NOTE:
AVERAGE WEIGHTS TO NEAREST EVEN LB. CALCULATED USING 0.26 LB/CU. IN.

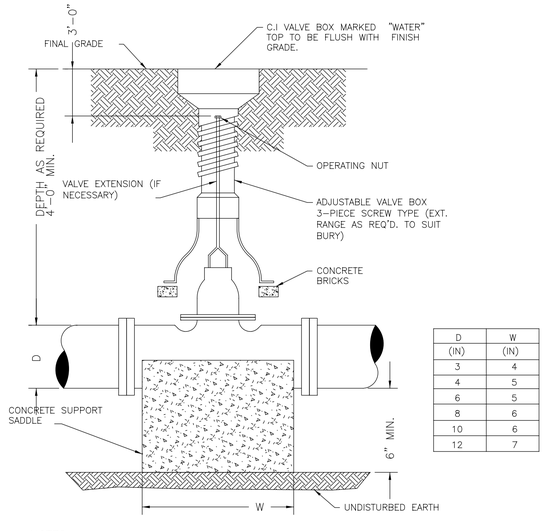
NOTE:
NO MORE THAN ONE VALVE STEM SLEEVE PERMITTED PER VALVE SETTING.



HEAVY DUTY VALVE BOX



TYPICAL WATER SERVICE

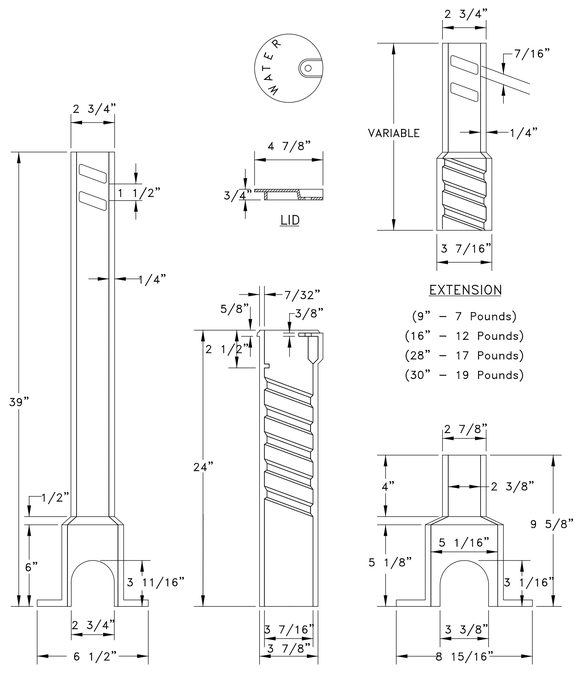


D (IN)	W (IN)
3	4
4	5
6	5
8	6
10	6
12	7

NOTES:

1. VISQUEEN SHALL BE PLACED IN A MANNER SUCH THAT CONCRETE BLOCKING DOES NOT HAVE DIRECT CONTACT WITH VALVE.

TYPICAL VALVE BOX



TYPICAL CURB BOX

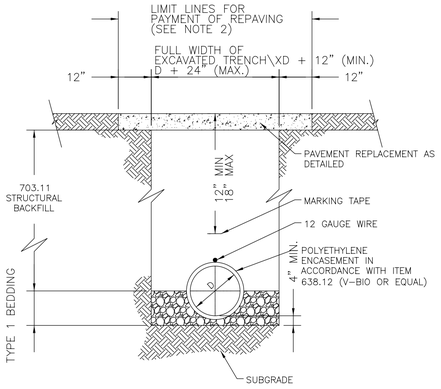
GENERAL NOTES

KNO-CR5-0.47

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 2/3/2025 TIME: 8:13:43 AM USER: jtheuring
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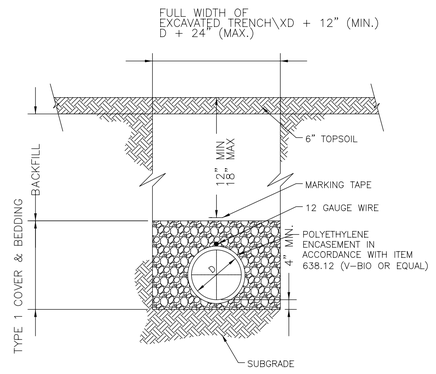
DESIGN AGENCY: EMH&T
DESIGNER: RH
REVIEWER: HRB 01/20/25
PROJECT ID: 115280
SHEET: P.13 TOTAL: 111

CITY OF MOUNT VERNON WATERLINE DETAILS:



TRENCH DETAIL FOR WATERLINE INSTALLED TYPE A BACKFILL

NOT TO SCALE



TRENCH DETAIL FOR WATERLINE INTALLED TYPE B BACKFILL

NOT TO SCALE

NOTES:

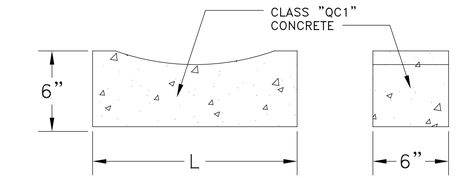
1. PAVED AREAS INCLUDE:
   - ANY ROAD (ASPHALT, CONCRETE, GRAVEL)
   - ANY DRIVEWAY
   - ANY PARKING LOT
   - ANY OTHER AREA SUBJECT TO TRAFFIC
2. IN AREAS WHERE DISTANCE BETWEEN CENTERLINE OF PIPE AND EDGE OF PAVEMENT EXCEEDS "D"+2', PAVEMENT RESTORATION QUANTITIES SHALL BE COORDINATED WITH THE ENGINEER TO ALLOW SURFACE REPAIR TO EXTEND TO THE EDGE OF PAVEMENT.

BACKFILL:

1. TYPE A, SHALL BE COMPACTED STRUCTURAL BACKFILL AS SPECIFIED IN ODOT CMS ITEM 703.11.
2. TYPE B SHALL BE NATURAL SOIL FREE FROM STONES LARGER THAN 2 INCHES ACROSS THEIR GREATEST DIMENSION, TOPSOIL, VEGETATION, DEBRIS, RUBBISH OR FROZEN MATERIAL.
3. TYPE C SHALL BE LOW STRENGTH MORTAR BACKFILL, TYPE 1 AS SPECIFIED IN ODOT CMS ITEM 613.

BEDDING:

1. NO. 8 GRAVEL IN ACCORDANCE WITH ODOT CMS TABLE 703.01 SHALL BE UTILIZED.
2. TYPE 3–CONCRETE BEDDING, CLASS QC1 CONCRETE PER ODOT CMS 499.



GATE VALVES

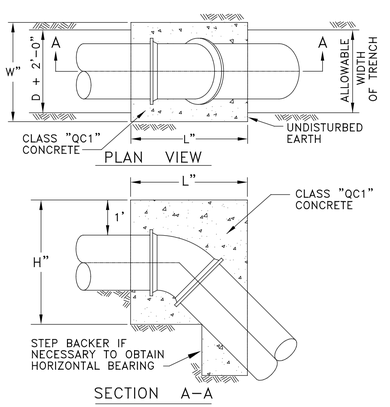
SIZE OF VALVE	L	VOLUME CU-FT
3"	15"	0.31
4"	16"	0.33
6"	17"	0.36
8"	20"	0.42
12"	24"	0.50
16"	30"	0.63

CONCRETE VALVE SUPPORTS

PIPE SIZE	11.25° L"	W"	H"	Vol.	22.5° L"	W"	H"	Vol.	45° L"	W"	H"	Vol.
3"	12	18	12	1.5	13	25	16	3.0	18	30	19	5.9
4"	12	24	16	2.6	16	30	18	5.0	22	36	24	11.0
6"	12	48	18	6.0	15	43	36	13.4	30	55	24	22.9
8"	12	63	24	10.5	18	57	34	20.2	36	57	33	39.2
12"	20	54	36	22.6	37	62	37	49.0	48	62	51	87.9
16"	31	65	38	44.3	60	65	39	88.1	65	65	65	159.2

NOTES:

1. VOLUMES GIVEN IN CUBIC FEET.
2. BACKER TO BE CENTERED HORIZONTALLY ON BEND.
3. STEEL WILL BE USED AS REQUIRED BY THE ENGINEER.
4. WHERE POLYETHYLENE ENCASEMENT IS REQUIRED, ALL GLANDS & BOLTS SHALL BE WRAPPED PRIOR TO PLACEMENT OF CONCRETE BLOCKING.

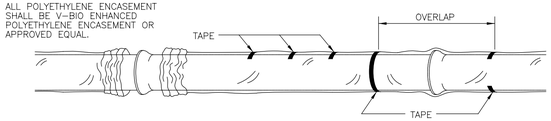


BACKING FOR VERTICAL BENDS

MATERIAL SPECIFICATIONS PER AWWA C-105 LINEAR LOW-DENSITY POLYETHYLENE FILM WITH MIN. 8 MIL. THICKNESS, MADE FROM VIRGIN POLYETHYLENE ONLY.

ALL POLYETHYLENE ENCASEMENT SHALL BE V-BIO ENHANCED POLYETHYLENE ENCASEMENT OR APPROVED EQUAL.

TUBE SIZE REQUIRED												
PIPE DIAMETER	3"	4"	6"	8"	10"	12"	16"	20"	24"	30"	36"	42"
MIN. FLAT TUBE WIDTH (INCHES)	14	14	16	20	24	27	34	41	54	67	81	81



THE FOLLOWING METHOD ILLUSTRATES THE PROCEDURE FOR APPLYING POLYETHYLENE;

CUT POLYETHYLENE TUBE TO A LENGTH APPROXIMATELY TWO FEET LONGER THAN THE LENGTH OF THE PIPE SECTION, SLIP THE TUBE AROUND THE PIPE, CENTERING IT TO PROVIDE A ONE-FOOT OVERLAP ON EACH ADJACENT PIPE SECTION, AND BUNCHING IT ACCORDION FASHION LENGTHWISE UNTIL IT CLEARS THE PIPE ENDS.

LOWER THE PIPE INTO THE TRENCH AND MAKE THE PIPE JOINT WITH THE PRECEDING SECTION OF PIPE. A SHALLOW BELL HOLE MUST BE MADE AT THE JOINTS TO FACILITATE INSTALLATION OF THE POLYETHYLENE TUBE.

AFTER ASSEMBLING THE PIPE JOINT, MAKE THE OVERLAP OF THE POLYETHYLENE TUBE, PULL THE BUNCHED POLYETHYLENE FROM THE PRECEDING LENGTH OF PIPE, SLIP IT OVER THE END OF THE NEW LENGTH OF PIPE AND SECURE IT IN PLACE. THEN SLIP THE END OF THE POLYETHYLENE FROM THE NEW PIPE SECTION OVER THE END OF THE PRECEDING LENGTH OF PIPE, SECURE THE OVERLAP IN PLACE, TAKE UP THE SLACK WIDTH TO MAKE IT SNUG, BUT NOT TOO TIGHT, FIT ALONG THIS BARREL OF PIPE, SECURING THE FOLD AT QUARTER POINTS.

REPAIR ANY RIPS, PUNCTURES, OR OTHER DAMAGE TO THE POLYETHYLENE WITH ADHESIVE TAPE OR WITH A SHORT LENGTH OF THE POLYETHYLENE TUBE CUT OPEN, WRAPPED AROUND THE PIPE, AND SECURED IN PLACE. PROCEED WITH INSTALLATION OF THE NEXT SECTION OF PIPE IN THE SAME MANNER.

PIPE–SHAPED APPURTENANCES

BENDS, REDUCERS, OFFSETS AND OTHER PIPE–SHAPED APPURTENANCES SHALL BE COVERED IN THE SAME MANNER AS THE PIPE.

JUNCTIONS BETWEEN WRAPPED AND UNWRAPPED PIPE

WHERE POLYETHYLENE WRAPPED PIPE JOINS A PIPE WHICH IS NOT WRAPPED, EXTEND THE POLYETHYLENE TUBE TO COVER THE UNWRAPPED PIPE A DISTANCE OF AT LEAST TWO FEET. SECURE THE END WITH CIRCUMFERENTIAL TURNS OF TAPE.

ODD SHAPED APPURTENANCES;

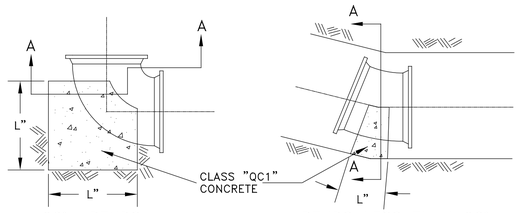
VALVES, TEES, CROSSES AND OTHER ODD–SHAPED PIECES WHICH CANNOT BE WRAPPED PRACTICALLY IN A TUBE SHALL BE WRAPPED WITH A FLAT SHEET OR SPLIT LENGTH OF POLYETHYLENE TUBE. THE SHEET SHALL BE PASSED UNDER THE APPURTENANCE AND BROUGHT UP AROUND THE BODY. SEAMS SHALL BE MADE BY BRINGING THE EDGES TOGETHER, FOLDING OVER TWICE, AND TAPPING DOWN. SLACK WIDTH AND OVERLAPS AT JOINTS SHALL BE HANDLED AS DESCRIBED ABOVE. TAPE POLYETHYLENE SECURELY IN PLACE AT VALVE STEM AND OTHER PENETRATIONS.

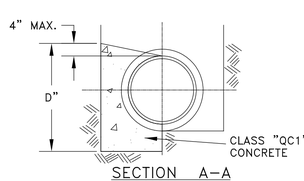
BACKFILL FOR POLYETHYLENE WRAPPED PIPE;

BACKFILL MATERIAL SHALL BE THE SAME AS SPECIFIED FOR PIPE WITHOUT POLYTHYLENE WRAPPING. SPECIAL CARE SHOULD BE TAKEN TO PREVENT DAMAGE TO THE POLYETHYLENE WRAPPING WHEN PLACING BACKFILL, BACKFILL MATERIAL SHOULD BE FREE OF CINDERS, REFUGE, BOULDERS, ROCKS, STONES OR OTHER MATERIAL THAT COULD DAMAGE POLYETHYLENE.

INSTALLATION OF POLYETHYLENE ENCASEMENT FOR DUCTILE IRON PIPE

SIZE OF PIPE	DEGREE OF BEND 11.25° L"	D"	Vc.f.	22.50° L"	D"	Vc.f.	45° L"	D"	Vc.f.	90° (HORZ. ONLY) L"	D"	Vc.f.
3"	4	3	0.1	6	4	0.2	10	4	0.3	10	4	0.3
4"	5	4	0.2	9	5	0.4	14	5	0.6	14	5	0.6
6"	8	6	0.5	12	7	0.7	20	8	1.4	18	9	1.7
8"	9	8	0.7	16	9	1.4	24	12	2.7	25	11	4.0
12"	14	12	1.8	24	14	3.6	36	18	6.8	32	18	10.7
16"	18	16	3.4	32	18	6.7	36	32	13.4	41	26	25.6
STEEL WILL BE USED AS REQUIRED BY ENGINEER												





NOTES:

1. BACKER DESIGNED FOR 3000 PSF SOIL BEARING.
2. CONCRETE TO BE PLACED AGAINST UNDISTURBED EARTH.
3. PROVIDE CLEARANCE FOR REMOVAL OF BOLTS.

BACKING FOR BENDS

GENERAL NOTES

DESIGN AGENCY EMH&T

DESIGNER SJS

REVIEWER HRB 1/20/25

PROJECT ID 115280

SHEET P.14 TOTAL 111

KNO-CR5-0.47

MODEL: Sheet 2 PAPERSIZE: 34x22 (in.) DATE: 2/3/2025 TIME: 8:13:59 AM USER: jtheuring
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ITEM 614, MAINTAINING TRAFFIC

LANES OPEN DURING HOLIDAYS OR SPECIAL EVENTS

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR SPECIAL EVENTS:

NEW YEAR'S (OBSERVED)
THANKSGIVING
CHRISTMAS (OBSERVED)
LABOR DAY
GENERAL/REGULAR ELECTION DAY (NOV)
MEMORIAL DAY
FOURTH OF JULY (OBSERVED)
(OTHER HOLIDAY OR SPECIAL EVENT)

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR SPECIAL EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY OR SPECIAL EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
TUESDAY (GEN./REG. ELECTION)	5:00 AM TUESDAY THROUGH 12:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
THURSDAY (THANKSGIVING ONLY)	6:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

DURING THE SAME PERIODS, MAINTAIN PEDESTRAIN ACCESS IF PEDESTRIAN ACCESS WAS PRESENT PRIOR TO CONSTRUCTION.

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER 5 M. GAL.

ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW WILL NOT BE PERMITTED AT PROJECT COST. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

- DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

- DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC, OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).

IN ADDITION TO THE REQUIREMENT OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHOULD BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

- FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).

- FOR OPERATIONS WITHOUT POSITIVE PROTECTION OCCURRING WITHIN 10 FEET OF AN OPEN TRAVELED LANE THAT MEET ALL OF THE FOLLOWING CRITERIA:
  - ON A MULTI-LANE DIVIDED INTERSTATE, OTHER FREEWAY OR EXPRESSWAY; AND
  - AN AUTHORIZED SPEED LIMIT OF 45 MPH OR GREATER THAT IS IN EFFECT AT THE TIME OF THE OPERATION; AND,
  - AADT OF 50,000 (OR AADT OF 30,000 WITH 25% OR HIGHER PERCENT TRUCKS)

"WITHOUT POSITIVE PROTECTION" MEANS USE OF DRUMS, CONES, SHADOW VEHICLE, ETC, WITHOUT PROTECTION FROM PORTABLE BARRIER OR OTHER RIGID BARRIER ALONG THE WORK AREA. THIS PHRASE DOES NOT APPLY TO CASES WHERE POSITIVE PROTECTION IS REQUIRED. MOBILE OPERATIONS ARE REGARDED AS "WITHOUT POSITIVE PROTECTION". FOR WORK ZONES USING A COMBINATION OF BARRIER AND TEMPORARY TRAFFIC CONTROL DEVICES (CONES, DRUMS, ETC), THE DESIGNATION SHALL BE BASED UPON THE TYPE OF DEVICES USED IN THE AREA THAT WORKERS ARE LOCATED.

IF MULTIPLE ACTIVE LOCALIZED QUALIFYING WORK AREAS OCCUR WITHOUT POSITIVE PROTECTION, PER MAINLINE TRAFFIC DIRECTION, PROVIDE A UNIFORMED LEO AND OFFICIAL PATROL CAR IN ADVANCE OF:
- THE FIRST ACTIVE WORK AREA THAT DRIVERS WILL ENCOUNTER; OR
- THE ACTIVE WORK AREA LATERALLY CLOSEST TO THE OPEN TRAVELED LANE; OR
- OTHER LOCATION AS APPROVED BY THE ENGINEER.

THE UNIFORMED LEO AND OFFICIAL PATROL CAR MAY RELOCATE AMONG THE LISTED LOCATIONS AS APPROPRIATE AS THE OPERATIONS PROCEED IN THE LOCALIZED QUALIFYING WORK AREAS.

IN GENERAL, LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION (OR AT THE POINT OF ROAD CLOSURE), AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS IN WORK ZONES.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

ENSURE PROVIDED LEOS HAVE BEEN TRAINED APPROPRIATE TO THE JOB DECISIONS THEY ARE REQUIRED TO MAKE WHILE ON THE PROJECT, IN ACCORDANCE WITH C&MS 614.03.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE THAT SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE 250 HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF A LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTICE OF TRAFFIC RESTRICTIONS TIME TABLE		
ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
RAMP & ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	<= 12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURE & RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

MAINTENANCE OF TRAFFIC GENERAL NOTES

DESIGN AGENCY
EMH&T
DESIGNER
BDM
REVIEWER
SMM 12/13/24
PROJECT ID
115280
SHEET P.15 TOTAL 111

KNO-CR5-0.47

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:22:32 AM USER: jtheuring
J:\2022\0187\ODOT\115280\400-Engineering\MOT\Sheets\115280_MN001.dgn

SHEET NO.	PHASE	614		616																				
		LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE		WATER																				
		HOUR		MGAL																				
P.15		250		5																				
TOTALS CARRIED TO GENERAL SUMMARY		250		5																				

MAINTENANCE OF TRAFFIC SUBSUMMARY

DESIGN AGENCY

EMH&T

DESIGNER
BDM

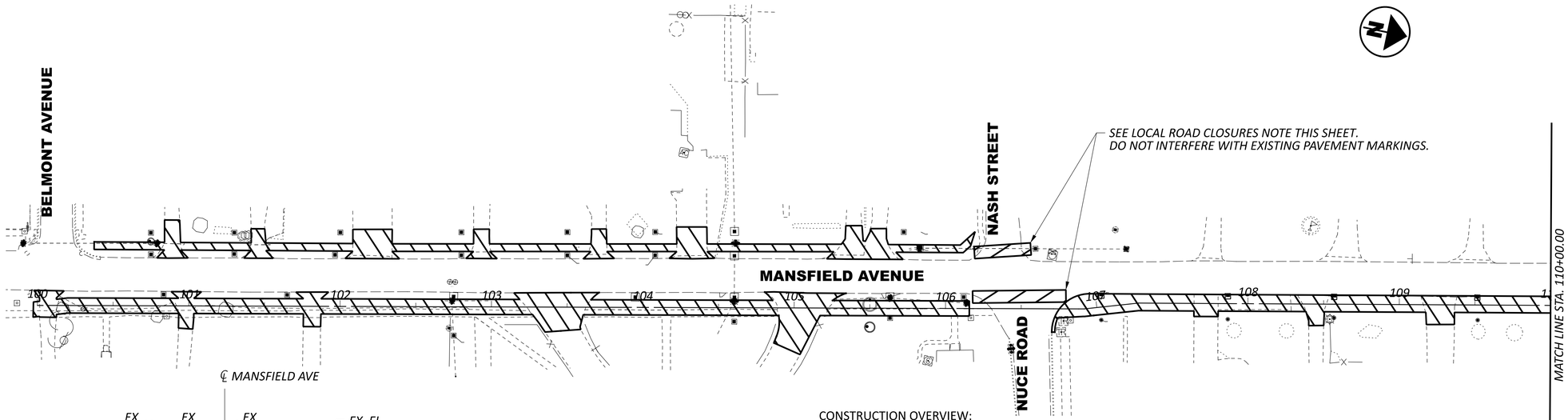
REVIEWER
SMM 12/13/24

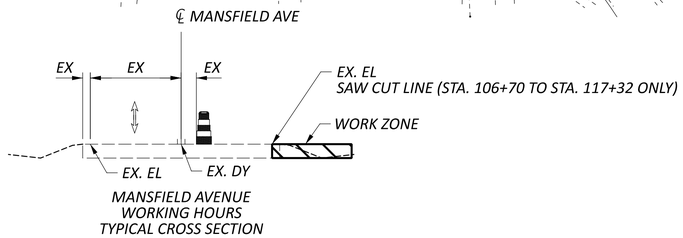
PROJECT ID
115280

SHEET P.16 | TOTAL 111

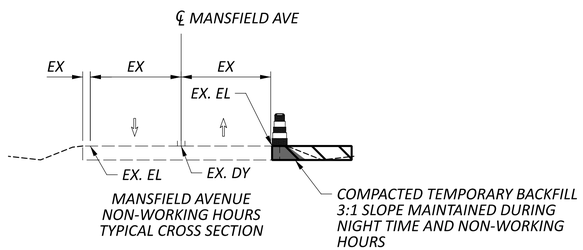
KNO-CR5-0.47

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MANSFIELD AVENUE
WORKING HOURS
TYPICAL CROSS SECTION



MANSFIELD AVENUE
NON-WORKING HOURS
TYPICAL CROSS SECTION

CONSTRUCTION OVERVIEW:
- PROPOSED IMPROVEMENTS ADJACENT TO MANSFIELD AVENUE TRAVEL LANES SHALL BE CONSTRUCTED WITH A MIN OF ONE LANE/TWO-WAY TRAFFIC MAINTAINED PER ODOT SCD MT-97.10.

- WHEN FLAGGING WITHIN AN INTERSECTION, A LAW ENFORCEMENT OFFICER SHALL BE USED TO CONTROL THE INTERSECTION AND ADVANCED SIGNS SHALL BE PLACED ON ALL APPROACHES.

- ALL LANES SHALL BE MAINTAINED ON MANSFIELD AVENUE DURING PEAK HOURS (7-9 AM AND 4-6 PM, MON.-FRI.) AND NON-WORKING HOURS.

- ALL OPEN TRENCHES SHALL BE BACKFILLED OR SECURELY PLATED DURING NON-WORKING HOURS.

- WORK SHALL BE LIMITED TO ONE SIDE OF MANSFIELD AVE AT A TIME.

ACCESS TO PROPERTIES:
- ACCESS SHALL BE MAINTAINED TO ALL PROPERTIES AT ALL TIMES.

- ACCESS IMPACTS SHALL BE COORDINATED WITH INDIVIDUAL PROPERTY OWNERS A MINIMUM OF 7 DAYS PRIOR TO CONSTRUCTION.

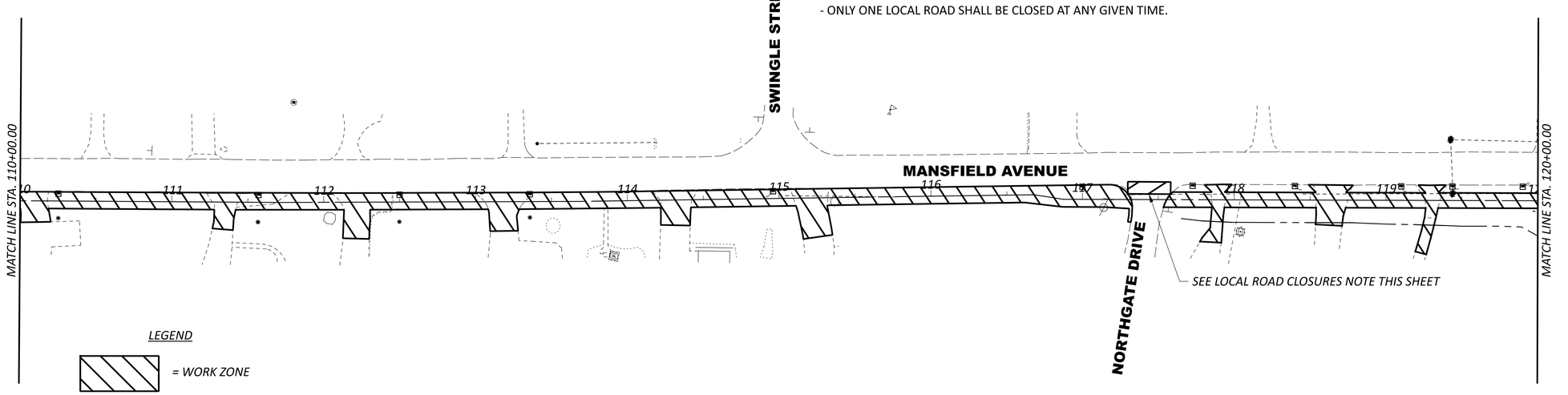
- WHEN FEASIBLE, PART-WIDTH CONSTRUCTION OF DRIVEWAY APRONS SHALL BE UTILZED TO MAINTAIN ACCESS.

- SHORT TERM DRIVEWAY CLOSURES WILL BE PERMITTED AS LONG AS ON STREET OR ALTERNATIVE PARKING AREA IS PROVIDED.

LOCAL ROAD CLOSURES:
- PROPOSED STORM SEWER CROSSINGS ON LOCAL ROADS SHALL BE CONSTRUCTED UNDER CLOSURE. CLOSURES OF LOCAL ROADS SHALL BE PER ODOT SCD MT-101.60.

- LOCAL ROADS SHALL ONLY BE CLOSED WHILE STORM SEWER CROSSINGS ARE ACTIVELY BEING WORKED ON. ALL LANES SHALL BE FULLY OPEN TO TRAFFIC WHEN STORM SEWER CROSSINGS ARE NOT BEING CONSTRUCTED.

- ONLY ONE LOCAL ROAD SHALL BE CLOSED AT ANY GIVEN TIME.



LEGEND

= WORK ZONE

HORIZONTAL SCALE IN FEET
0 20 40 80

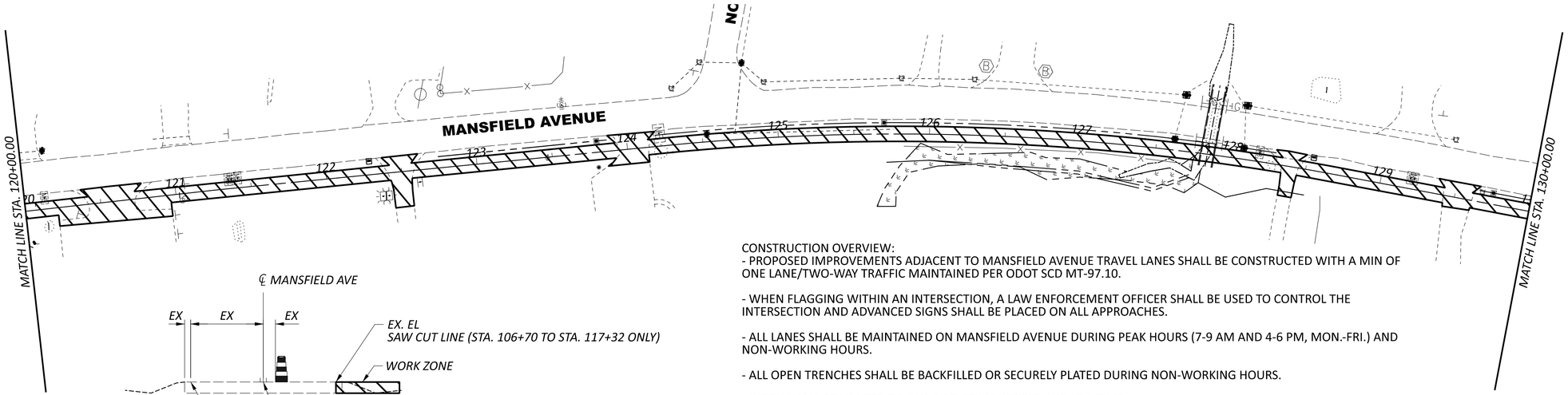
MAINTENANCE OF TRAFFIC PLAN STA. 100+00 TO STA. 120+00

DESIGN AGENCY
EMH&T

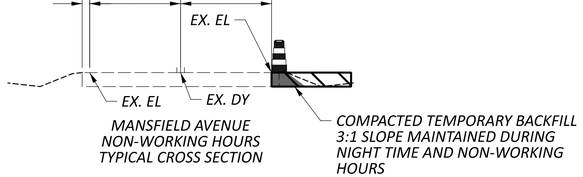
DESIGNER BDM
REVIEWER SMM 12/13/24
PROJECT ID 115280
SHEET P.17 TOTAL 111

KNO-CR5-0.47

MODEL: CLP_MANSFIELD_PATH - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:22:35 AM USER: jtheuring
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MANSFIELD AVENUE WORKING HOURS TYPICAL CROSS SECTION



MANSFIELD AVENUE NON-WORKING HOURS TYPICAL CROSS SECTION

CONSTRUCTION OVERVIEW:
- PROPOSED IMPROVEMENTS ADJACENT TO MANSFIELD AVENUE TRAVEL LANES SHALL BE CONSTRUCTED WITH A MIN OF ONE LANE/TWO-WAY TRAFFIC MAINTAINED PER ODOT SCD MT-97.10.

- WHEN FLAGGING WITHIN AN INTERSECTION, A LAW ENFORCEMENT OFFICER SHALL BE USED TO CONTROL THE INTERSECTION AND ADVANCED SIGNS SHALL BE PLACED ON ALL APPROACHES.

- ALL LANES SHALL BE MAINTAINED ON MANSFIELD AVENUE DURING PEAK HOURS (7-9 AM AND 4-6 PM, MON.-FRI.) AND NON-WORKING HOURS.

- ALL OPEN TRENCHES SHALL BE BACKFILLED OR SECURELY PLATED DURING NON-WORKING HOURS.

- WORK SHALL BE LIMITED TO ONE SIDE OF MANSFIELD AVE AT A TIME.

ACCESS TO PROPERTIES:
- ACCESS SHALL BE MAINTAINED TO ALL PROPERTIES AT ALL TIMES.

- ACCESS IMPACTS SHALL BE COORDINATED WITH INDIVIDUAL PROPERTY OWNERS A MINIMUM OF 7 DAYS PRIOR TO CONSTRUCTION.

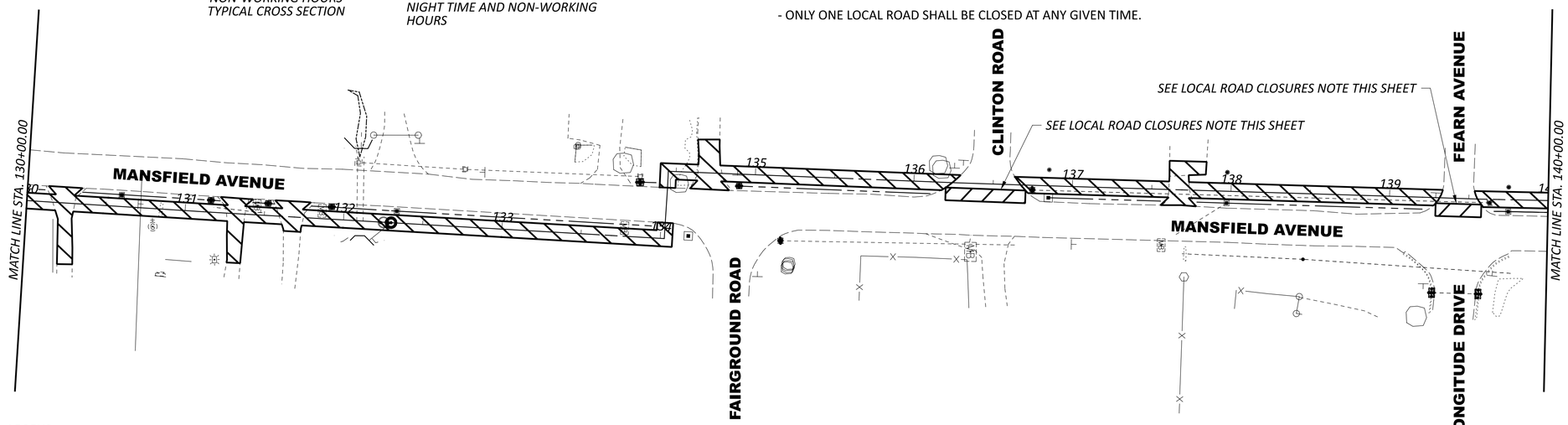
- WHEN FEASIBLE, PART-WIDTH CONSTRUCTION OF DRIVEWAY APRONS SHALL BE UTILZED TO MAINTAIN ACCESS.

- SHORT TERM DRIVEWAY CLOSURES WILL BE PERMITTED AS LONG AS ON STREET OR ALTERNATIVE PARKING AREA IS PROVIDED.

LOCAL ROAD CLOSURES:
- PROPOSED STORM SEWER CROSSINGS ON LOCAL ROADS SHALL BE CONSTRUCTED UNDER CLOSURE. CLOSURES OF LOCAL ROADS SHALL BE PER ODOT SCD MT-101.60.

- LOCAL ROADS SHALL ONLY BE CLOSED WHILE STORM SEWER CROSSINGS ARE ACTIVELY BEING WORKED ON. ALL LANES SHALL BE FULLY OPEN TO TRAFFIC WHEN STORM SEWER CROSSINGS ARE NOT BEING CONSTRUCTED.

- ONLY ONE LOCAL ROAD SHALL BE CLOSED AT ANY GIVEN TIME.



LEGEND

= WORK ZONE

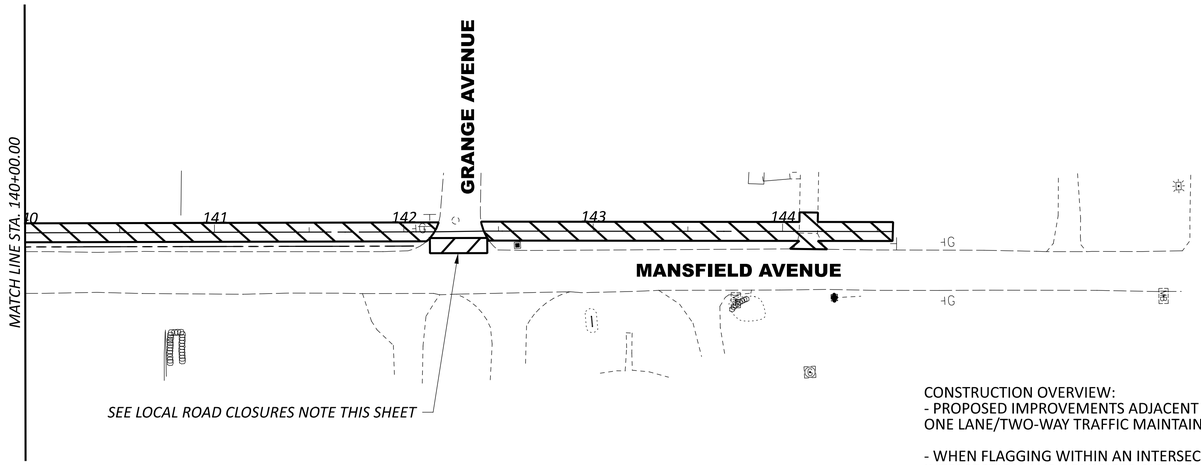
HORIZONTAL SCALE IN FEET
0 20 40 80

MAINTENANCE OF TRAFFIC PLAN STA. 120+00 TO STA. 140+00

DESIGN AGENCY: EMH&T
DESIGNER: BDM
REVIEWER: SMM 12/13/24
PROJECT ID: 115280
SHEET: P.18 TOTAL: 111

KNO-CR5-0.47

MODEL: CLP_MANSFIELD_PATH - Plan 3 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:22:36 AM USER: jtheuring
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CONSTRUCTION OVERVIEW:
- PROPOSED IMPROVEMENTS ADJACENT TO MANSFIELD AVENUE TRAVEL LANES SHALL BE CONSTRUCTED WITH A MIN OF ONE LANE/TWO-WAY TRAFFIC MAINTAINED PER ODOT SCD MT-97.10.

- WHEN FLAGGING WITHIN AN INTERSECTION, A LAW ENFORCEMENT OFFICER SHALL BE USED TO CONTROL THE INTERSECTION AND ADVANCED SIGNS SHALL BE PLACED ON ALL APPROACHES.

- ALL LANES SHALL BE MAINTAINED ON MANSFIELD AVENUE DURING PEAK HOURS (7-9 AM AND 4-6 PM, MON.-FRI.) AND NON-WORKING HOURS.

- ALL OPEN TRENCHES SHALL BE BACKFILLED OR SECURELY PLATED DURING NON-WORKING HOURS.

- WORK SHALL BE LIMITED TO ONE SIDE OF MANSFIELD AVE AT A TIME.

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- SHORT TERM DRIVEWAY CLOSURES WILL BE PERMITTED AS LONG AS ON STREET OR ALTERNATIVE PARKING AREA IS PROVIDED.

LOCAL ROAD CLOSURES:
- PROPOSED STORM SEWER CROSSINGS ON LOCAL ROADS SHALL BE CONSTRUCTED UNDER CLOSURE. CLOSURES OF LOCAL ROADS SHALL BE PER ODOT SCD MT-101.60.

- LOCAL ROADS SHALL ONLY BE CLOSED WHILE STORM SEWER CROSSINGS ARE ACTIVELY BEING WORKED ON. ALL LANES SHALL BE FULLY OPEN TO TRAFFIC WHEN STORM SEWER CROSSINGS ARE NOT BEING CONSTRUCTED.

- ONLY ONE LOCAL ROAD SHALL BE CLOSED AT ANY GIVEN TIME.

LEGEND

= *WORK ZONE*

HORIZONTAL SCALE IN FEET
0 20 40 80

MAINTENANCE OF TRAFFIC PLAN STA. 140+00 TO END

DESIGN AGENCY
EMH&T

DESIGNER
BDM

REVIEWER
SMM 12/13/24

PROJECT ID
115280

SHEET P.19 TOTAL 111

KNO-CR5-0.47

MODEL: CLP_MANSFIELD_PATH - Plan 5 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:22:37 AM USER: jtheuring
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SHEET NUM.												PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.6	P.24	P.25	P.27	P.28	P.70														
																		ROADWAY	
														201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN	P.11
	3													201	26500	3	EACH	STUMP REMOVED, 18"	
	1													202	20010	1	EACH	HEADWALL REMOVED	
	1,508													202	23000	1,508	SY	PAVEMENT REMOVED	
	2,343													202	30000	2,343	SF	WALK REMOVED	
	40													202	32000	40	FT	CURB REMOVED	
	1,837													202	35100	1,837	FT	PIPE REMOVED, 24" AND UNDER	
	58													202	35200	58	FT	PIPE REMOVED, OVER 24"	
	11													202	58100	11	EACH	CATCH BASIN REMOVED	
	42													202	75000	42	FT	FENCE REMOVED	
	8													202	98100	8	EACH	REMOVAL MISC.:BOULDER	P.6
	6													202	98100	6	EACH	REMOVAL MISC.: EX POST	P.6
	1													202	98100	1	EACH	REMOVAL MISC.: STONE SIGN AND COLUMNS	P.6
	1													202	98100	1	EACH	REMOVAL MISC.: METAL GATE	P.6
														202	98000	LS		REMOVAL MISC.: REMOVE AND RESET RAILROAD TIES	P.6
														202	98000	LS		REMOVAL MISC.: CONCRETE RUBBLE	P.6
	117													202	98200	117	FT	REMOVAL MISC.:STONE EDGING	P.6
					1,081									203	10000	1,081	CY	EXCAVATION	
					1,645									203	20000	1,645	CY	EMBANKMENT	
		5,594												204	10000	5,594	SY	SUBGRADE COMPACTION	
		617												204	13000	617	CY	EXCAVATION OF SUBGRADE	
		617												204	30010	617	CY	GRANULAR MATERIAL, TYPE B	
		2												204	45000	2	HOUR	PROOF ROLLING	
		4,195												204	51000	4,195	SY	GEOGRID	
		35,020												608	10000	35,020	SF	4" CONCRETE WALK	
	1,943													608	52001	1,943	SF	CURB RAMP, AS PER PLAN	P.6
														623	40520	12	EACH	RIGHT-OF-WAY MONUMENT, TYPE B	
	14													SPECIAL	69050350	14	EACH	MAILBOX REMOVED AND RESET	P.6
																		EROSION CONTROL	
619														653	10000	619	CY	TOPSOIL FURNISHED AND PLACED	P.9
2														659	00100	2	EACH	SOIL ANALYSIS TEST	
5,575														659	00500	5,575	SY	SEEDING AND MULCHING, CLASS 1	P.9
279														659	14000	279	SY	REPAIR SEEDING AND MULCHING	
279														659	15000	279	SY	INTER-SEEDING	
1.25														659	20000	1.25	TON	COMMERCIAL FERTILIZER	
1.15														659	31000	1.15	ACRE	LIME	
32														659	35000	32	MGAL	WATER	
13														659	40000	13	MSF	MOWING	
														832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
														832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	
														832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
														832	30000	20,000	EACH	EROSION CONTROL	
																		DRAINAGE	
2														601	21050	2	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
			1											602	20000	1	CY	CONCRETE MASONRY	
100														605	13300	100	FT	6" UNCLASSIFIED PIPE UNDERDRAINS	
				1,773										605	14000	1,773	FT	6" BASE PIPE UNDERDRAINS	
20														611	00510	20	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
			214											611	02000	214	FT	8" CONDUIT, TYPE C	
			2,029											611	04400	2,029	FT	12" CONDUIT, TYPE B	
			1,484											611	04600	1,484	FT	12" CONDUIT, TYPE C	
			95											611	04900	95	FT	12" CONDUIT, TYPE D	
			242											611	05900	242	FT	15" CONDUIT, TYPE B	
			525											611	06100	525	FT	15" CONDUIT, TYPE C	
			63											611	07600	63	FT	18" CONDUIT, TYPE C	
			17											611	13600	17	FT	30" CONDUIT, TYPE C	

GENERAL SUMMARY

DESIGN AGENCY: EMH&T

DESIGNER: JPT

REVIEWER: HRB 12/13/24

PROJECT ID: 115280

SHEET: P.20 TOTAL: 111

KNO-CR5-0.47

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 2/4/2025 TIME: 10:52:28 AM USER: jtheuring
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SHEET NUM.													PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.6	P.16	P.24	P.25	P.27	P.98	P.100	P.101													
																			DRAINAGE	
				205											611	19600	205	FT	42" CONDUIT, TYPE C	
				17											611	98180	17	EACH	CATCH BASIN, NO. 3A	
				13											611	98390	13	EACH	CATCH BASIN, NO. 7	
				34											611	98470	34	EACH	CATCH BASIN, NO. 2-2B	
				8											611	98540	8	EACH	CATCH BASIN, NO. 2-4	
				2											611	99574	2	EACH	MANHOLE, NO. 3	
				1											611	99584	1	EACH	MANHOLE, NO. 3 WITH 96" BASE I.D. AND 9" WEIR	
				3											611	99655	3	EACH	MANHOLE ADJUSTED TO GRADE, AS PER PLAN	P.6
1															611	99710	1	EACH	PRECAST REINFORCED CONCRETE OUTLET	
				1											895	10030	1	EACH	MANUFACTURED WATER QUALITY STRUCTURE, TYPE 3, AS PER PLAN	P.6
																			PAVEMENT	
125															253	01000	125	SY	PAVEMENT REPAIR	
			992												304	20000	992	CY	AGGREGATE BASE	
			4												411	10000	4	CY	STABILIZED CRUSHED AGGREGATE, NO. 57 STONE	
			9												407	10000	9	GAL	TACK COAT	
			17												441	70500	17	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS)	
			8												441	70600	8	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (DRIVEWAYS)	
			905												452	10010	905	SY	6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
			262												452	12010	262	SY	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
		1,781													609	12001	1,781	FT	COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN	P.6
																			MAINTENANCE OF TRAFFIC	
	250														614	11110	250	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
	5														616	10000	5	MGAL	WATER	
																			WATER WORK	
		2													638	10301	2	EACH	FIRE HYDRANT EXTENDED AND ADJUSTED TO GRADE, AS PER PLAN, CITY OF MOUNT VERNON	P.12
		19													638	11101	19	EACH	METER AND CHAMBER REMOVED AND RESET, AS PER PLAN, CITY OF MOUNT VERNON	P.11
		3													SPECIAL	63820500	3	EACH	VALVE BOX ADJUSTED TO GRADE, CITY OF MOUNT VERNON	P.11
		1													SPECIAL	63820902	1	EACH	SERVICE BOX ADJUSTED TO GRADE, CITY OF MOUNT VERNON	P.11
		1													SPECIAL	63821400	1	EACH	FIRE HYDRANT ADJUSTED TO GRADE, CITY OF MOUNT VERNON	P.12
																			RETAINING WALLS	
					365										870	10000	365	SF	PREFABRICATED MODULAR RETAINING WALL	P.97
																			TRAFFIC CONTROL	
							42								630	03100	42	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
							42								630	08520	42	FT	STREET NAME SIGN SUPPORT, NO. 3 POST	
							1								630	79500	1	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	
							36.44								630	80100	36.44	SF	SIGN, FLAT SHEET	
							5								630	80500	5	EACH	SIGN, DOUBLE FACED, STREET NAME	
							12								630	84900	12	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
							7								630	86002	7	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
							1								630	87500	1	EACH	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL	
							2								630	97700	2	EACH	SIGNING, MISC.:SOLAR-POWERED RECTANGULAR FLASHING BEACON (RRFB) ASSEMBLY	
						43									644	00500	43	FT	STOP LINE	
						280									647	20080	280	FT	CROSSWALK LINE, 24", TYPE B90	
																			INCIDENTALS	
															614	11000	LS		MAINTAINING TRAFFIC	
															619	16010	5	MNTH	FIELD OFFICE, TYPE B	
															623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
															624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY
EMH&T

DESIGNER
JPT

REVIEWER
HRB 12/13/24

PROJECT ID
115280

SHEET P.21 TOTAL 111

KNO-CR5-0.47

MODEL: Sheet 2 PAPERSIZE: 34x22 (in.) DATE: 2/4/2025 TIME: 1:03:50 PM USER: jtheuring
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REF NO.	SHEET NO.	STATION TO STATION			201 STUMP REMOVED, 18" EACH	202 HEADWALL REMOVED EACH	202 PAVEMENT REMOVED SY	202 WALK REMOVED SF	202 CURB REMOVED FT	202 PIPE REMOVED, 24" AND UNDER FT	202 PIPE REMOVED, OVER 24" FT	202 CATCH BASIN REMOVED EACH	202 FENCE REMOVED FT	202 REMOVAL MISC.:BOULDER EACH	202 REMOVAL MISC.:POST EACH	202 REMOVAL MISC.:STONE SIGN EACH	202 REMOVAL MISC.:LANDSCAPE TBR EACH	202 REMOVAL MISC.:STONE EDGING TBR FT	608 CURB RAMP, AS PER PLAN SF	609 COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN FT	638 FIRE HYDRANT EXTENDED AND ADJUSTED TO GRADE, AS PER PLAN, MOUNT VERNON EACH	638 METER AND CHAMBER REMOVED AND RESET, AS PER PLAN, MOUNT VERNON EACH	SPECIAL VALVE BOX ADJUSTED TO GRADE, MOUNT VERNON EACH	SPECIAL SERVICE BOX ADJUSTED TO GRADE, MOUNT VERNON EACH	SPECIAL FIRE HYDRANT ADJUSTED TO GRADE, MOUNT VERNON EACH	SPECIAL MAILBOX REMOVED AND RESET EACH
R1	P.31	99+97.65	TO	100+16.07			25.2																		
R2	P.31	100+76.27	TO	100+99.51			24.5																		
R3	P.31	100+88.36	TO	101+08.34			29.2																		
R4	P.31	101+34.85	TO	101+56.43			25.3																		
R5	P.31	101+70.79	TO	101+92.33			31.6																		
R6	P.31	102+04.77	TO	102+34.12			56.1																		
R7	P.31	102+83.07	TO	103+03.62			26.2																		
R8	P.31	102+83.78	TO	103+04.89			22.3																		
R9	P.31	103+14.79	TO	103+71.12			102.7																		
R10	P.31	103+61.69	TO	103+79.73			25.1																		
R11	P.31	104+19.18	TO	104+47.51			33.4																		
R12	P.31	104+80.56	TO	105+00.00			47.8																		
R13	P.31	99+97.23	TO	100+01.70				18.4																	
R14	P.31	100+12.57	TO	100+93.36				299.5																	
R15	P.31	101+03.34	TO	101+75.79				304.4																	
R16	P.31	101+87.33	TO	102+88.78				468.2																	
R17	P.31	102+99.89	TO	103+27.67				117.2																	
R18	P.31	103+61.54	TO	104+89.59				601.5																	
R19	P.31	100+78.91	TO	100+96.32						17.4		1.0													
R20	P.31	101+38.98	TO	101+53.71						14.7															
R21	P.31	102+74.02	TO	104+60.39						186.5		1.0													
R22	P.31	103+55.04	TO	103+82.26		1.0				27.2															
R23	P.31	104+60.39	TO	105+00.00						39.6		1.0													
R24	P.31	100+16.58												1.0											
R25	P.31	100+79.12												1.0											
R26	P.31	101+24.61												1.0											
R27	P.31	103+96.56												1.0											
R28	P.31	101+33.76	TO	101+40.60	1.0										3.0										
R29	P.31	101+57.99			1.0																				
R30	P.31	102+01.31	TO	103+05.45						104.1															
R31	P.31	104+60.42								25.0		1.0													
R32	P.31	102+01.31		103+05.45						104.1															
R1	P.32	105+00.00	TO	105+34.17			71.7																		
R2	P.32	105+18.20	TO	105+69.21			72.6																		
R3	P.32	107+64.40	TO	107+80.27			22.3																		
R4	P.32	108+32.86	TO	108+53.73			30.0																		
R5	P.32	109+14.21	TO	109+38.13			41.0																		
R6	P.32	109+99.03		110+00.00			0.5																		
R7	P.32	105+00.00	TO	105+63.33						63.4		1.0													
R8	P.32	105+63.33	TO	106+13.78						50.6		1.0													
R9	P.32	105+82.57	TO	106+59.30						76.7		1.0													
R10	P.32	108+54.14													1.0										
R11	P.32	105+21.60	TO	106+15.72				444.4																	
R12	P.32	107+80.36	TO	108+28.66														57.8							
R1	P.33	110+00.00	TO	110+20.29			40.7																		
R2	P.33	111+23.04	TO	111+45.15			39.9																		
R3	P.33	112+05.30	TO	112+45.20			81.1		39.8																
R4	P.33	112+97.87	TO	113+38.75			64.8																		
R5	P.33	114+16.63	TO	114+47.05			55.2																		
TOTALS CARRIED TO NEXT SHEET					2	1	970	2254	40	710		7		4	4			58							

ROADWAY SUBSUMMARY

DESIGN AGENCY
EMH&T

DESIGNER
JPT

REVIEWER
HRB 12/13/24

PROJECT ID
115280

SHEET P.22 TOTAL 111

KNO-CR5-0.47

MODEL: Sheet - ROADWAY Subsum PAPERSIZE: 34x22 (in.) DATE: 2/3/2025 TIME: 2:54:14 PM USER: jtheuring
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REF NO.	SHEET NO.	STATION TO STATION			201 STUMP REMOVED, 18" EACH	202 HEADWALL REMOVED EACH	202 PAVEMENT REMOVED SY	202 WALK REMOVED SF	202 CURB REMOVED. FT	202 PIPE REMOVED, 24" AND UNDER FT	202 PIPE REMOVED, OVER 24" FT	202 CATCH BASIN REMOVED EACH	202 FENCE REMOVED FT	202 REMOVAL MISC.:BOULDER EACH	202 REMOVAL MISC.:POST EACH	202 REMOVAL MISC.:STONE SIGN EACH	202 REMOVAL MISC.:LANDSCAPE TBR EACH	202 REMOVAL MISC.:STONE EDGING TBR FT	608 CURB RAMP, AS PER PLAN SF	609 COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN FT	638 FIRE HYDRANT EXTENDED AND ADJUSTED TO GRADE, AS PER PLAN, MOUNT VERNON EACH	638 METER AND CHAMBER REMOVED AND RESET, AS PER PLAN, MOUNT VERNON EACH	SPECIAL VALVE BOX ADJUSTED TO GRADE, MOUNT VERNON EACH	SPECIAL SERVICE BOX ADJUSTED TO GRADE, MOUNT VERNON EACH	SPECIAL FIRE HYDRANT ADJUSTED TO GRADE, MOUNT VERNON EACH	SPECIAL MAILBOX REMOVED AND RESET EACH
R1	P.34	115+04.89	TO	115+34.89			75.5																		
R2	P.34	117+77.52	TO	117+97.63			41.3																		
R3	P.34	118+51.46	TO	118+77.68			66.1																		
R4	P.34	119+19.41	TO	119+39.81			46.3																		
R5	P.34	115+04.24	TO	115+77.90						73.7															
R6	P.34	116+38.67	TO	116+55.43						16.8															
R7	P.34	117+28.03	TO	117+65.86						37.8															
R8	P.34	117+77.48	TO	117+99.69						22.2															
R9	P.34	118+03.51	TO	118+04.78						7.0															
R10	P.34	118+45.17	TO	120+00.00						158.5		1.0													
R11	P.34	115+36.55													1.0										
R1	P.35	120+21.43	TO	120+96.46			115.8																		
R2	P.35	122+33.62	TO	122+66.66			62.7																		
R3	P.35	123+86.28	TO	124+18.99			49.3																		
R4	P.35	120+00.00	TO	120+06.94						9.2															
R5	P.35	121+94.39	TO	123+06.28						111.9															
R6	P.35	124+53.04	TO	125+00.00						47.1		1.0													
R7	P.35	121+03.77														1.0									
R8	P.35	121+38.74			1.0																				
R9	P.35	120+14.56															1.0								
R10	P.35	124+17.67	TO	124+26.36														58.8							
R1	P.36	125+00.00	TO	125+75.94						76.1															
R2	P.36	128+22.21	TO	128+52.82			12.8																		
R3	P.36	129+42.01	TO	129+65.20			38.0																		
R4	P.36	128+62.43	TO	128+63.85									8.0												
R1	P.37	133+59.95	TO	134+05.09							57.6														
R2	P.37	134+37.36												1.0											
R3	P.37	130+17.13	TO	130+19.16									33.5												
R4	P.37	130+83.57	TO	130+85.84										1.0											
R5	P.37	131+17.85	TO	131+84.52						30.7															
R6	P.37	132+15.85	TO	132+43.93											1.0										
R7	P.37	134+40.87	TO	135+00.00						72.6															
R1	P.38	136+16.47												2.0											
R2	P.38	137+56.85	TO	137+78.46			29.7																		
R3	P.38	135+00.00	TO	136+74.73						174.8		1.0													
R4	P.38	136+74.73	TO	139+63.10						288.4		1.0													
C1	P.32	106+33.10	TO	106+44.32																22.3					
C2	P.32	106+69.90	TO	110+00.00																348.0					
C1	P.33	110+00.00	TO	115+00.00																500.0					
C1	P.33	115+00.00	TO	117+32.82																242.1					
C2	P.33	117+53.21	TO	120+00.00																255.7					
C1	P.35	120+00.00	TO	122+75.00																275.1					
C1	P.36	128+29.11		129+66.20																137.1					
CR1	P.33	117+01.02	TO	117+30.82															301.1						
CR2	P.33	117+55.22	TO	117+74.51															197.3						
CR1	P.37	133+97.56	TO	134+12.59															150.0						
CR2	P.37	134+34.71	TO	134+50.00															152.5						
CR1	P.38	136+10.44	TO	136+29.38															134.0						
CR2	P.38	136+63.55	TO	136+79.12															115.6						
CR3	P.38	139+20.80	TO	139+33.43															104.7						
TOTALS FROM THIS SHEET					1.0		538.0			1127.0	58.0	4.0	42.0	4.0	2.0	1.0	1.0	59.0	1156.0	1781.0					
TOTALS FROM PREVIOUS SHEET					2.0	1.0	970.0	2254.0	40.0	710.0		7.0		4.0	4.0			58.0							
TOTALS CARRIED TO NEXT SHEET					3	1	1508	2254	40	1837	58	11	42	8	6	1	1	117	1156	1781	0	0	0	0	0	0

ROADWAY SUBSUMMARY

KNO-CR5-0.47

MODEL: Sheet - ROADWAY Subsum Sheet 2 PAPERSIZE: 34x22 (in.) DATE: 2/3/2025 TIME: 2:54:14 PM USER: jtheuring
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DESIGN AGENCY EMH&T

DESIGNER JPT

REVIEWER HRB 12/13/24

PROJECT ID 115280

SHEET P.23 TOTAL 111

REF NO.	SHEET NO.	STATION TO STATION			201 STUMP REMOVED, 18" EACH	202 HEADWALL REMOVED EACH	202 PAVEMENT REMOVED SY	202 WALK REMOVED SF	202 CURB REMOVED FT	202 PIPE REMOVED, 24" AND UNDER FT	202 PIPE REMOVED, OVER 24" FT	202 CATCH BASIN REMOVED EACH	202 FENCE REMOVED FT	202 REMOVAL MISC.:BOULDER EACH	202 REMOVAL MISC.:POST EACH	202 REMOVAL MISC.:STONE SIGN EACH	202 REMOVAL MISC.:LANDSCAPE TBR EACH	202 REMOVAL MISC.:STONE EDGING TBR FT	608 CURB RAMP, AS PER PLAN SF	609 COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN FT	638 FIRE HYDRANT EXTENDED AND ADJUSTED TO GRADE, AS PER PLAN, MOUNT VERNON EACH	638 METER AND CHAMBER REMOVED AND RESET, AS PER PLAN, MOUNT VERNON EACH	SPECIAL VALVE BOX ADJUSTED TO GRADE, MOUNT VERNON EACH	SPECIAL SERVICE BOX ADJUSTED TO GRADE, MOUNT VERNON EACH	SPECIAL FIRE HYDRANT ADJUSTED TO GRADE, MOUNT VERNON EACH	SPECIAL MAILBOX REMOVED AND RESET EACH
CR4	P.38	139+53.43	TO	139+66.16															103.6							
CR1	P.39	142+04.99	TO	142+18.51															108.8							
CR2	P.39	142+40.90	TO	142+51.98															95.3							
CR1	P.32	106+15.70	TO	106+32.91															166.4							
CR2	P.32	106+72.67	TO	107+01.96				88.2											253.5							
CR3	P.32	106+16.24	TO	106+22.80															59.3							
MB1	P.35	120+17.27																								1.0
MB2	P.35	122+76.57																								3.0
MB3	P.35	124+21.82																								1.0
MB1	P.36	126+30.10																								2.0
MB2	P.36	128+18.45																								2.0
MB3	P.36	129+20.90																								2.0
MB1	P.37	131+45.29																								1.0
MB2	P.37	131+86.22																								1.0
MB3	P.37	133+77.24																								1.0
W1	P.31	100+33.44																					1			
W2	P.31	100+33.51																					1			
W3	P.31	100+98.95																					1			
W4	P.31	104+51.88																						1		
W1	P.32	105+03.19																							1	
W2	P.32	106+95.39																					1			
W3	P.32	108+08.22																					1			
W4	P.32	106+19.01																					1			
W1	P.33	110+80.23																					1			
W2	P.33	111+86.24																					1			
W3	P.33	113+05.29																					1			
W4	P.33	114+59.10																					1			
W1	P.34	117+53.89																					1			
W2	P.34	118+82.40																					1			
W3	P.34	119+70.18																					1			
W1	P.35	120+97.48																					1			
W2	P.35	124+72.89																					1			
W1	P.37	130+99.94																					1			
W1	P.38	135+06.98																					1			
W2	P.38	136+62.69																					1			
W3	P.38	138+36.38																				1				
W4	P.38	139+69.91																			1					
W1	P.39	140+27.27																					1			
W2	P.39	142+42.12																						1		
W3	P.39	141+86.53																				1		1		
TOTALS FROM THIS SHEET								89.0											787.0		2.0	19.0	3.0	1.0	1.0	14.0
TOTALS FROM PREVIOUS SHEET					3.0	1.0	1508.0	2254.0	40.0	1837.0	58.0	11.0	42.0	8.0	6.0	1.0	1.0	117.0	1156.0	1781.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS CARRIED TO GENERAL SUMMARY					3	1	1508	2343	40	1837	58	11	42	8	6	1	1	117	1943	1781	2	19	3	1	1	14

ROADWAY SUBSUMMARY

DESIGN AGENCY
EMH&T

DESIGNER
JPT

REVIEWER
HRB 12/13/24

PROJECT ID
115280

SHEET P.24 TOTAL 111

KNO-CR5-0.47

MODEL: Sheet - ROADWAY Subsum Sheet 3 PAPERSIZE: 34x22 (in.) DATE: 2/3/2025 TIME: 2:54:14 PM USER: jtheuring
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STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	204 SUBGRADE COMPACTION	204 EXCAVATION OF SUBGRADE	204 GRANULAR MATERIAL, TYPE B	204 PROOF ROLLING	204 GEOGRID	304 AGGREGATE BASE, 6" DEPTH	304 AGGREGATE BASE, 8" DEPTH	407 TACK COAT	441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS), 2" DEPTH	441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS), 1.25" DEPTH	441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (DRIVEWAYS), 1.75" DEPTH	452 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1	452 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1	608 4" CONCRETE WALK			411 STABILIZED CRUSHED AGGREGATE, NO. 57 STONE		
			FT	FT	SQ YD	SQ YD	SY	CY	CY	HOUR	SY	CY	CY	GAL	CY	CY	CY	SY	SY	SF			CY		
SHARED USE PATH																									
100+00.00 TO 142+04.99			4205.0	10.0	4672.2																				
CONCRETE WALK						3580.3														32222.8					
AGGREGATE BASE						3883.7	3883.7			1.29	3883.7	647.3													
5' CONCRETE WALK																									
100+00.00 106+19.37			619.4	5.0	344.1	310.7					310.7	51.8								2796.4					
DRIVE 1						24.2	24.2			0.01		4.0						22.7					0.0		
DRIVE 2						22.1	22.1			0.01		3.7			0.4			15.1							
DRIVE 3						29.2	29.2			0.01		4.9						18.4					0.2		
DRIVE 4						23.3	23.3			0.01		3.9			0.5			13.6							
DRIVE 5						31.6	31.6			0.01		5.3						31.6							
DRIVE 6						58.0	58.0			0.02		9.7						58.0							
DRIVE 7						25.1	25.1			0.01		4.2						25.1							
DRIVE 8						22.3	22.3			0.01		3.7			0.1			20.0							
DRIVE 9						102.9	102.9			0.03		11.6	7.4	2.0		1.2	1.6		69.7						
DRIVE 10						24.8	24.8			0.01		4.1						24.8							
DRIVE 11						43.4	43.4			0.01		7.2						43.4							
DRIVE 12						117.7	117.7			0.04		10.3	12.4	3.3		1.9	2.7		61.8						
DRIVE 13, DRIVE 13a						75.1	75.1			0.03		12.5			0.8			44.0					0.3		
DRIVE 14						32.9	32.9			0.01		5.5						32.9							
DRIVE 15						33.7	33.7			0.01		5.6						22.8					0.2		
DRIVE16						46.5	46.5			0.02		7.8						29.8					0.3		
DRIVE17						48.1	48.1			0.02		8.0						29.1					0.4		
DRIVE18						43.8	43.8			0.01		7.3			1.1			24.5							
DRIVE19						64.2	64.2			0.02		10.7			2.0			27.6							
DRIVE20						60.4	60.4			0.02		10.1							60.4						
DRIVE 21						55.7	55.7			0.02		9.3						55.7							
DRIVE 22						77.1	77.1			0.03		12.8			2.5			31.3							
DRIVE 23						37.5	37.5			0.01		6.3			1.3			13.5							
DRIVE 24						70.8	70.8			0.02		11.8			2.0			34.0							
DRIVE 25						49.4	49.4			0.02		8.2						49.4							
DRIVE26						79.9	79.9			0.03		7.8	7.4	2.0		1.2	1.6		46.5						
DRIVE27						48.6	48.6			0.02		3.8	5.7	1.5		0.9	1.3		22.8						
DRIVE28						51.8	51.8			0.02		8.6			0.7			39.0							
DRIVE29						35.9	35.9			0.01		6.0						19.8					0.3		
DRIVE30						37.9	37.9			0.01		6.3			0.2			33.8							
DRIVE 31						56.8	56.8			0.02		9.5						21.7					0.6		
DRIVE 32						47.3	47.3			0.02		7.9						19.9					0.5		
DRIVE 33						28.8	28.8			0.01		4.8						23.5					0.1		
DRIVE 34						51.7	51.7			0.02		8.6						27.7					0.4		
DRIVE 35						51.3	51.3			0.02		8.6						51.3							
EXCAVATION OF SUBGRADE																									
100+00.00 TO 102+15.28						400.5		200.2	200.2																
105+63.33 TO 109+59.55						455.3		177.1	177.1																
109+59.55 TO 113+51.18						478.7		239.3	239.3																
SUBTOTALS							5593.45	616.62	616.62	1.86	4194.42	959.33	32.92	8.89	11.82	5.14	7.20	904.26	261.24	35019.18			3.39		
TOTALS CARRIED TO GENERAL SUMMARY							5594	617	617	2	4195	992		9	17		8	905	262	35020			4		

PAVEMENT SUBSUMMARY

DESIGN AGENCY
EMH&T

DESIGNER
JPT

REVIEWER
HRB 12/13/24

PROJECT ID
115280

SHEET P.25 TOTAL 111

KNO-CR5-0.47

MODEL: Sheet - PAVEMENT Subsum PAPERSIZE: 34x22 (in.) DATE: 2/4/2025 TIME: 10:54:33 AM USER: jtheuring
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REF NO.	SHEET NO.	STATION TO STATION			602 CONCRETE MASONRY CY	611 8" CONDUIT, TYPE C FT	611 12" CONDUIT, TYPE B FT	611 12" CONDUIT, TYPE C FT	611 12" CONDUIT, TYPE D FT	611 15" CONDUIT, TYPE B FT	611 15" CONDUIT, TYPE C FT	611 18" CONDUIT, TYPE C FT	611 30" CONDUIT, TYPE C FT	611 42" CONDUIT, TYPE C FT	611 CATCH BASIN, NO. 3A EACH	611 CATCH BASIN, NO. 7 EACH	611 CATCH BASIN, NO. 2-2B EACH	611 CATCH BASIN, NO. 2-4 EACH	611 MANHOLE, NO. 3 EACH	611 MANHOLE, NO. 3 WITH 96" BASE I.D. AND 9" WEIR EACH	611 MANHOLE ADJUSTED TO GRADE, AS PER PLAN EACH	895 MANUFACTURED WATER QUALITY STRUCTURE, TYPE 3 EACH
CB2	P.31	100+83.36	TO	101+65.00				81.6									1.0					
CB3	P.31	101+65.00	TO	102+75.00				110.0									1.0					
CB4	P.31	102+75.00	TO	103+95.00							120.0							1.0				
CB4A	P.31	102+75.00	TO	102+75.13				25.8									1.0					
CB5	P.31	103+95.00	TO	104+60.42							65.4							1.0				
CB6	P.31	104+60.42																1.0				
CB6A	P.31	104+60.42						16.1									1.0					
CB8	P.31	104+60.42											16.1					1.0				
CB400	P.31	100+74.89						8.4									1.0					
MH100	P.31	100+74.89						5.8											1.0			
CB300	P.31	100+74.89	TO	101+29.99				55.2									1.0					
CB401	P.31	101+29.99	TO	101+30.00				14.2									1.0					
CB301	P.31	101+29.99	TO	102+00.00				70.0									1.0					
CB402	P.31	101+96.57	TO	102+00.00				15.2									1.0					
CB302	P.31	102+00.00	TO	102+80.00				80.0									1.0					
CB403	P.31	102+80.00						15.2									1.0					
CB303	P.31	102+80.00	TO	103+50.00				70.0									1.0					
CB404	P.31	103+50.00						15.3									1.0					
CB304	P.31	103+50.00	TO	104+08.00				58.0									1.0					
CB405	P.31	104+08.00						15.4									1.0					
CB305-306	P.31	104+08.00	TO	104+60.43				52.4									1.0	1.0				
S1	P.31	104+67.97																			1.0	
S2	P.31	104+97.19																			1.0	
CB307	P.31-P.32	104+60.43	TO	105+83.64				123.3									1.0					
CB308	P.32	105+83.64						15.9									1.0					
CB18	P.32	105+83.64	TO	106+59.32			75.8										1.0					
CB19	P.32	106+59.32	TO	107+23.48				60.0									1.0					
MH101	P.31-P.32	104+60.42	TO	105+50.00							89.7									1.0		
MWQU	P.32	105+50.00						30.1														1.0
CB7	P.32	105+50.00	TO	105+63.28				14.2										1.0				
CB7A	P.32	105+63.28	TO	105+63.33				14.0									1.0					
CB9	P.32	105+63.28	TO	106+11.97				48.7									1.0					
CB410	P.32	107+02.08	TO	107+03.80		15.8										1.0						
CB10	P.32	106+11.97	TO	107+03.80			91.0								1.0							
CB411	P.32	107+86.77				14.8										1.0						
CB11	P.32	107+03.80	TO	107+86.77			83.6								1.0							
CB412	P.32	108+56.99				13.5										1.0						
CB12	P.32	107+86.77	TO	108+56.99			70.2								1.0							
CB413	P.32	109+51.56	TO	109+51.88		14.5										1.0						
CB13	P.32	108+56.99	TO	109+51.56			94.6								1.0							
CB414	P.32	110+25.21				15.8										1.0						
CB14	P.32-P.33	109+51.56	TO	110+25.21			73.6								1.0							
CB415	P.33	111+56.75	TO	111+56.99		17.8										1.0						
CB15	P.33	110+25.21	TO	111+56.99			131.8								1.0							
CB416	P.33	112+50.00	TO	112+50.01		17.5										1.0						
CB16	P.33	111+56.99	TO	112+50.00			93.0								1.0							
CB417	P.33	113+35.81				15.3										1.0						
CB17	P.33	112+50.00	TO	113+35.81			85.8								1.0							
CB30	P.33-P.34	114+96.00	TO	117+00.00			203.9								1.0							
TOTALS CARRIED TO NEXT SHEET						125	1004	1015			276		17		9	8	22	6	1	1	2	1

DRAINAGE SUBSUMMARY

DESIGN AGENCY EMH&T

DESIGNER JPT

REVIEWER HRB 12/13/24

PROJECT ID 115280

SHEET P.26 TOTAL 111

KNO-CR5-0.47

MODEL: Sheet - DRAINAGE Subsum PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:22:40 AM USER: jtheuring
J:\2022\0187\ODOT\115280\400-Engineering\Roadway\Sheets\115280_GS001.dgn

DRAINAGE SUBSUMMARY

REF NO.	SHEET NO.	STATION TO STATION			602 CONCRETE MASONRY CY	611 8" CONDUIT, TYPE C FT	611 12" CONDUIT, TYPE B FT	611 12" CONDUIT, TYPE C FT	611 12" CONDUIT, TYPE D FT	611 15" CONDUIT, TYPE B FT	611 15" CONDUIT, TYPE C FT	611 18" CONDUIT, TYPE C FT	611 30" CONDUIT, TYPE C FT	611 42" CONDUIT, TYPE C FT	611 CATCH BASIN, NO. 3A EACH	611 CATCH BASIN, NO. 7 EACH	611 CATCH BASIN, NO. 2-2B EACH	611 CATCH BASIN, NO. 2-4 EACH	611 MANHOLE, NO. 3 EACH	611 MANHOLE, NO. 3 WITH 96" BASE I.D. AND 9" WEIR EACH	611 MANHOLE ADJUSTED TO GRADE, AS PER PLAN EACH	895 MANUFACTURED WATER QUALITY STRUCTURE, TYPE 3 EACH			
CB430	P.34	117+00.00				20.1										1.0										
CB31	P.34	117+00.00	TO	117+72.60			72.6								1.0											
CB32	P.34	117+72.60	TO	118+40.00			67.4								1.0											
CB33	P.34	118+40.00	TO	119+10.00			70.0								1.0											
CB34	P.34	119+10.00	TO	119+43.73			33.7								1.0											
CB35	P.34	119+43.73	TO	119+90.00						46.3					1.0											
D1	P.34	117+78.56	TO	117+98.54					20.0																	
D2	P.34	118+48.32	TO	118+78.32					30.0																	
D3	P.34	119+18.31	TO	119+38.31					20.0																	
CB36	P.34-P.35	119+90.00	TO	120+03.06	0.3						33.8				1.0											
CB40	P.35	122+29.12	TO	123+80.00			150.9								1.0											
S1	P.35	120+39.69																			1.0					
CB41	P.35-P.36	123+80.00	TO	125+70.00				190.0									1.0									
CB440	P.35	123+80.00				17.5										1.0										
CB42	P.36	125+70.00	TO	127+61.79							192.6						1.0									
CB52	P.36	128+07.83	TO	128+54.14			46.5								1.0											
CB51	P.36	128+54.14	TO	129+75.00			121.0										1.0									
D1	P.36	128+26.36	TO	128+51.57					25.0																	
CB50	P.36-P.37	129+75.00	TO	130+59.53				84.5									1.0									
CB60	P.37	131+15.85	TO	131+51.99				36.0									1.0									
CB61	P.37	131+51.99	TO	131+92.10				36.0									1.0									
CB62	P.37	131+92.10	TO	132+03.47							22.0						1.0									
MH104	P.37	132+18.73	TO	132+25.30										12.5					1.0							
CB71	P.37	132+25.30	TO	132+31.56				9.9									1.0									
CB70	P.37	132+25.30	TO	134+05.09										192.3				1.0								
CB311	P.37	134+40.87	TO	134+90.02								62.6					1.0									
CB312	P.37-P.38	134+90.02	TO	136+85.00						195.1								1.0								
CB501	P.38	136+85.00	TO	136+89.05		17.6										1.0										
CB313	P.38	136+89.05	TO	137+97.39				112.4									1.0									
CB502	P.38	137+97.39				17.7										1.0										
CB314	P.38	137+97.39	TO	139+75.00			177.7										1.0									
CB503	P.38	139+75.00				15.4										1.0										
CB315	P.38-P.39	139+75.00	TO	142+60.00			285.0										1.0									
TOTALS FROM THIS SHEET					1	89	1025	469	95	242	249	63		205	8	5	12	2	1		1					
TOTALS FROM PREVIOUS SHEET						125	1004	1015			276		17		9	8	22	6	1	1	2	1				
TOTALS CARRIED TO GENERAL SUMMARY					1	214	2029	1484	95	242	525	63	17	205	17	13	34	8	2	1	3	1				0

KNO-CR5-0.47

MODEL: Sheet - DRAINAGE Subsum Sheet 2 PAPERSIZE: 34x22 (in.) DATE: 2/3/2025 TIME: 2:57:11 PM USER: jtheuring
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DESIGN AGENCY
EMH&T

DESIGNER
JPT

REVIEWER
HRB 12/13/24

PROJECT ID
115280

SHEET P.27 TOTAL 111

REF NO.	SHEET NO.	STATION TO STATION			SIDE	CENTERLINE ROADWAY REFERENCE	OUTLET ELEVATION	605								FOR INFORMATION ONLY							
								6" BASE PIPE UNDERDRAINS								BENDS AND BRANCHES							
																END CAP							
								FT								EACH							
UD1	P.32	106+33.11	TO	106+44.21	RT	PR SHARED USE PATH	1080.50	23.0								1							
UD2	P.32	106+68.36	TO	107+03.80	RT/LT	PR SHARED USE PATH	1081.19	48.1								1							
UD3	P.32	107+03.80	TO	107+86.77	LT	PR SHARED USE PATH	1081.19	83.5															
UD4	P.32	107+86.77	TO	108+57.17	LT	PR SHARED USE PATH	1082.07	70.2															
UD5	P.32	108+57.17	TO	109+51.56	LT	PR SHARED USE PATH	1082.73	94.5															
UD6	P.32	109+51.56	TO	110+00.00	LT	PR SHARED USE PATH	1083.45	48.3															
UD1	P.33	110+00.00	TO	110+25.21	LT	PR SHARED USE PATH		25.2															
UD2	P.33	110+25.21	TO	111+56.99	LT	PR SHARED USE PATH	1084.02	131.9															
UD3	P.33	111+56.99	TO	112+50.00	LT	PR SHARED USE PATH	1084.54	92.9															
UD4	P.33	112+50.00	TO	113.35.81	LT	PR SHARED USE PATH	1085.39	85.8															
UD5	P.33	113+35.81	TO	114+96.00	LT	PR SHARED USE PATH	1086.31	164.0															
UD1	P.34	114+96.00	TO	117+00.00	LT	PR SHARED USE PATH	1083.48	199.9															
UD2	P.34	117+00.00	TO	117+30.82	LT/RT	PR SHARED USE PATH	1083.48	39.0								1							
UD3	P.34	117+55.22	TO	117+72.60	RT/LT	PR SHARED USE PATH	1081.49	26.2								1							
UD4	P.34	117+72.60	TO	118+40.00	LT	PR SHARED USE PATH	1081.15	67.4															
UD5	P.34	118+40.00	TO	119+10.00	LT	PR SHARED USE PATH	1080.51	69.9															
UD6	P.34	119+10.00	TO	119+43.73	LT	PR SHARED USE PATH	1079.28	33.7															
UD7	P.34	119+43.73	TO	119+90.00	LT	PR SHARED USE PATH	1079.22	46.4															
UD8	P.34	119+90.00	TO	120+00.00	LT	PR SHARED USE PATH	1079.22	9.9															
UD1	P.35	120+00.00	TO	122+29.12	LT	PR SHARED USE PATH	1078.85	229.2															
UD2	P.35	122+29.12	TO	122+75.00	LT	PR SHARED USE PATH	1078.85	46.0								1							
UD1	P.36	128+29.11	TO	128+54.14	LT	PR SHARED USE PATH	1063.36	25.0								1							
UD2	P.36	128+54.14	TO	129+66.20	LT	PR SHARED USE PATH	1063.36	112.1								1							
SUBTOTALS								1772.1															
TOTALS CARRIED TO GENERAL SUMMARY								1773															

UNDERDRAIN SUBSUMMARY

KNO-CR5-0.47

MODEL: Sheet - UNDERDRAIN Subsum PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:22:40 AM USER: jtheuring
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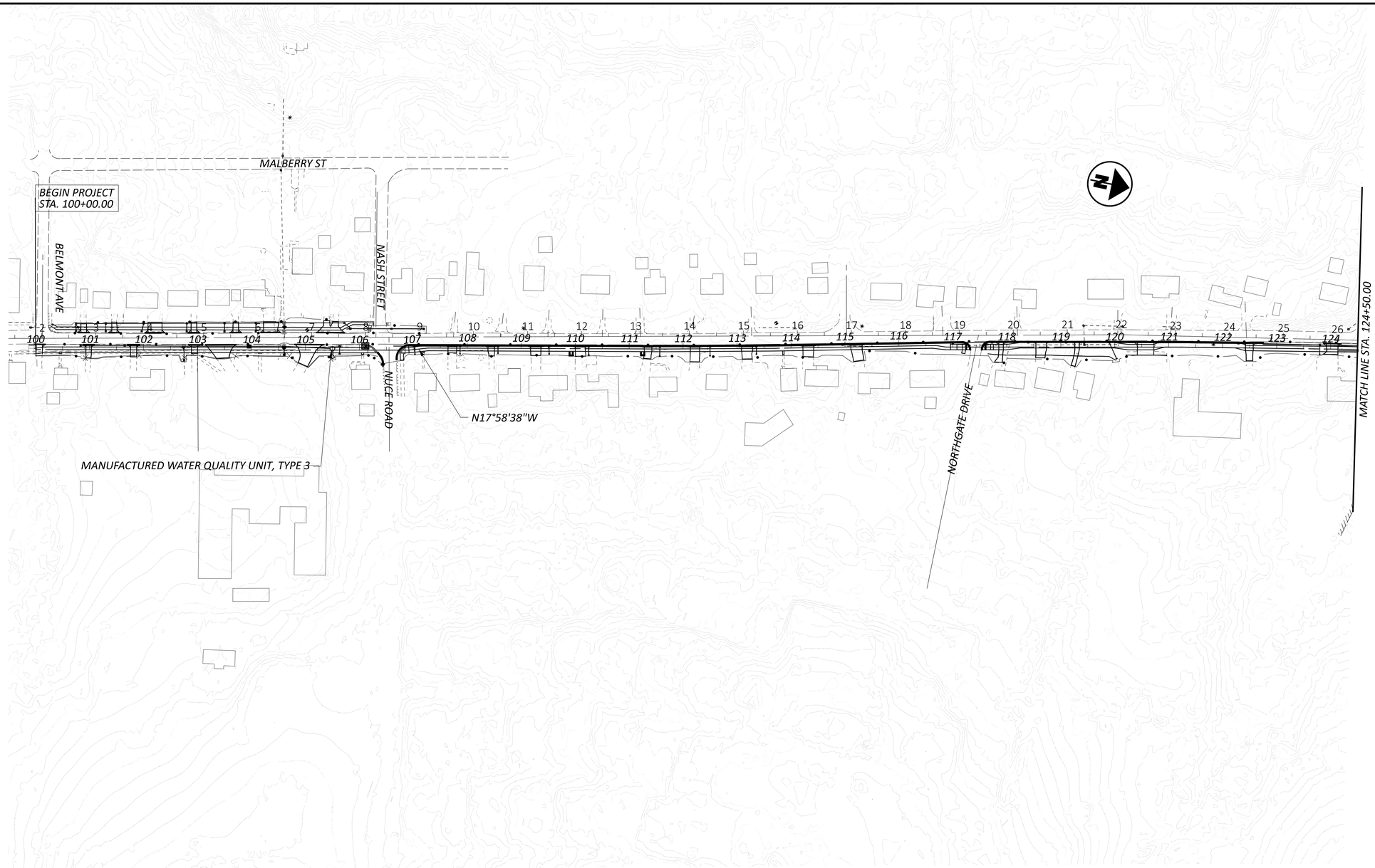
DESIGN AGENCY
EMH&T

DESIGNER
JPT

REVIEWER
HRB 12/13/24

PROJECT ID
115280

SHEET P.28 | TOTAL 111



HORIZONTAL SCALE IN FEET
0 50 100 200

SITE PLAN

PROJECT DATA			
Total Area (Construction Limits):	3.0 Acres	Runoff Coefficient for Pre–Construction Site:	0.75
Project Earth Disturbed Area:	2.8 Acres		
Estimated Contractor Earth Disturbed Area:	0.2 Acres	Runoff Coefficient for Post–Construction Site:	0.84
Notice of Intent Earth Disturbed Area:	3.0 Acres	Post–Construction BMP:	MANUFACTURED WATER QUALITY UNIT
Impervious (Paved) Area for Pre–Construction Site:	0.90 Acres	Immediate Receiving Waters:	UNNAMED TRIBUTARY TO CENTER RUN
Impervious (Paved) Area for Post–Construction Site:	1.05 Acres	Subsequent Receiving Waters:	CENTER RUN

*Calculated per ODOT L&D Vol. 2, Sec. 1115.7

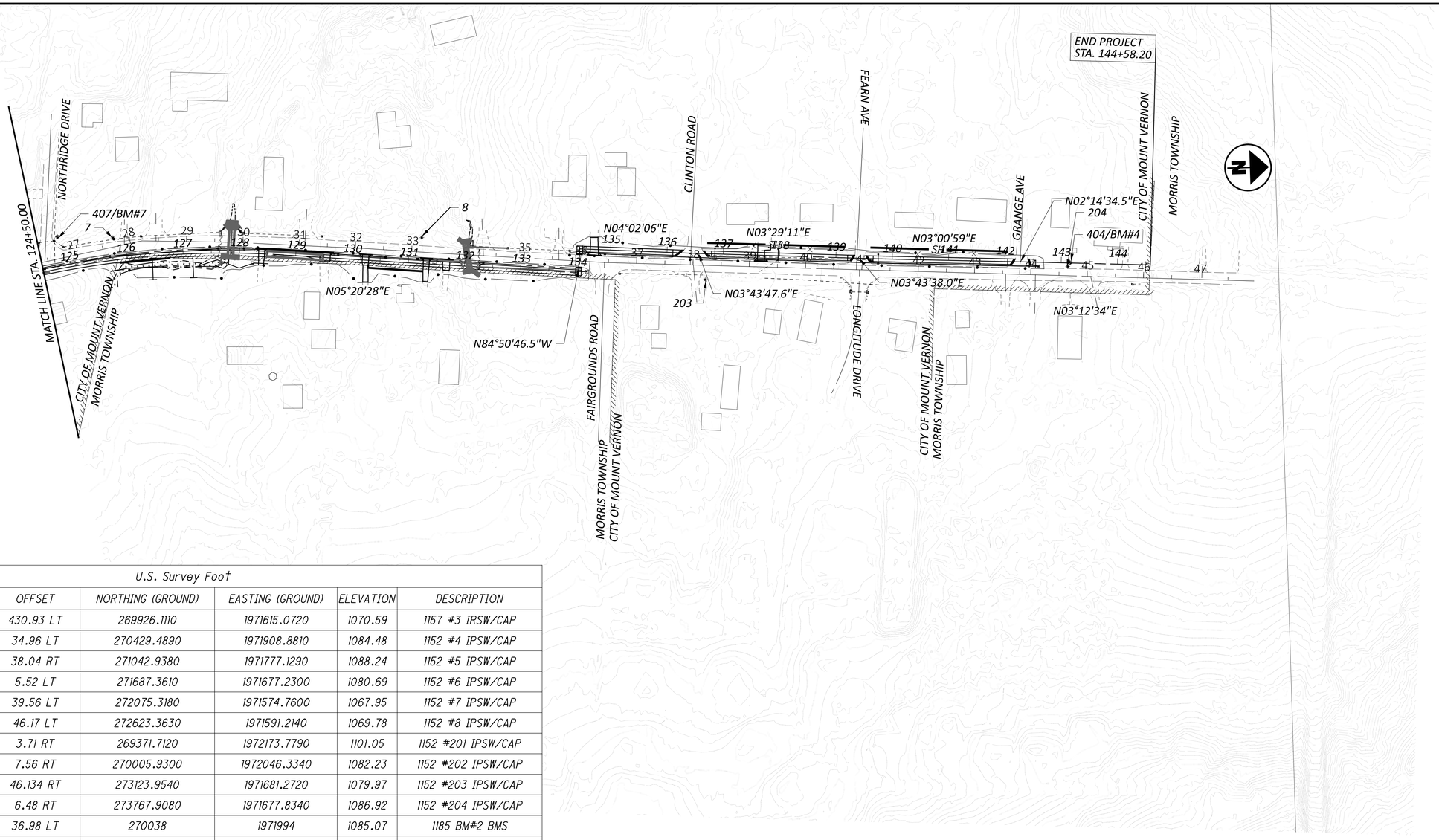
WATER QUALITY BMP DATA			
BMP TYPE	STATION	SIDE	EDA TREATMENT CREDIT
MANUFACTURED WATER QUALITY UNIT, TYPE 3	595+86	RT	0.56 AC
TREATMENT PROVIDED			0.56 AC
TREATMENT REQUIRED			0.56 AC

* CALCULATED PER ODOT L&D VOL. 2, SEC. 1115.7

DESIGN AGENCY
EMH&T
DESIGNER SJS
REVIEWER HRB 12/13/24
PROJECT ID 115280
SHEET P.29 TOTAL 111

KNO-CR5-0.47

MODEL: CLP_MANSFIELD_PATH-1 - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:22:44 AM USER: jtheuring
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U.S. Survey Foot						
POINTS	STATION	OFFSET	NORTHING (GROUND)	EASTING (GROUND)	ELEVATION	DESCRIPTION
3	104+70.56	430.93 LT	269926.1110	1971615.0720	1070.59	1157 #3 IRSW/CAP
4	109+00.05	34.96 LT	270429.4890	1971908.8810	1084.48	1152 #4 IPSW/CAP
5	115+32.29	38.04 RT	271042.9380	1971777.1290	1088.24	1152 #5 IPSW/CAP
6	121+83.03	5.52 LT	271687.3610	1971677.2300	1080.69	1152 #6 IPSW/CAP
7	125+79.78	39.56 LT	272075.3180	1971574.7600	1067.95	1152 #7 IPSW/CAP
8	131+21.53	46.17 LT	272623.3630	1971591.2140	1069.78	1152 #8 IPSW/CAP
201	98+14.36	3.71 RT	269371.7120	1972173.7790	1101.05	1152 #201 IPSW/CAP
202	104+61.24 RT	7.56 RT	270005.9300	1972046.3340	1082.23	1152 #202 IPSW/CAP
203	136+69.31	46.134 RT	273123.9540	1971681.2720	1079.97	1152 #203 IPSW/CAP
204	143+11.85	6.48 RT	273767.9080	1971677.8340	1086.92	1152 #204 IPSW/CAP
402	105+03.25	36.98 LT	270038	1971994	1085.07	1185 BM#2 BMS
404	143+15.56	0.48 LT	273772	1971671	1087.09	1185 BM#4 BMS
405	133+73.45	46.731 LT	270886	1971804	1090.66	1185 BM#5 BMS
407	124+85.53	56.54	271977	1971570	1074.10	1185 BM#7 BMS

Bench Mark	STATION	OFFSET	ELEVATION	DESCRIPTION
BM#2	105+03.25	36.98 LT	1085.07	CHISELED "X" ON THE EAST FLANGE BOLT OF A FIRE HYDRANT LOCATED ON THE WEST SIDE OF MANSFIELD AVENUE, BEING THE FIRST HYDRANT (135 FEET) SOUTH OF THE INTERSECTION WITH NASH STREET.
BM#4	143+15.56	0.48 LT	1087.09	RAILROAD SPIKE IN THE EAST SIDE OF A WOODEN UTILITY POLE LOCATED ON THE WEST SIDE OF MANSFIELD AVENUE, BEING THE FIRST UTILITY POLE (85 FEET) NORTH OF THE INTERSECTION WITH GRANGE AVENUE.
BM#5	133+73.45	46.731 LT	1090.66	RAILROAD SPIKE IN THE EAST SIDE OF A WOODEN UTILITY POLE LOCATED ON THE WEST SIDE OF MANSFIELD AVENUE, BEING THE FIRST UTILITY POLE (125 FEET) SOUTH OF THE INTERSECTION WITH SWINGLE STREET.
BM#7	124+85.53	56.54	1074.10	RAILROAD SPIKE IN THE EAST SIDE OF A WOODEN UTILITY POLE LOCATED ON THE NORTHWEST CORNER OF THE INTERSECTION OF MANSFIELD AVENUE AND NORTHRIDGE DRIVE.

SITE PLAN

KNO-CR5-0.47

MODEL: CLP_MANSFIELD_PATH-1 - Plan 2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:22:46 AM USER: jtheuring
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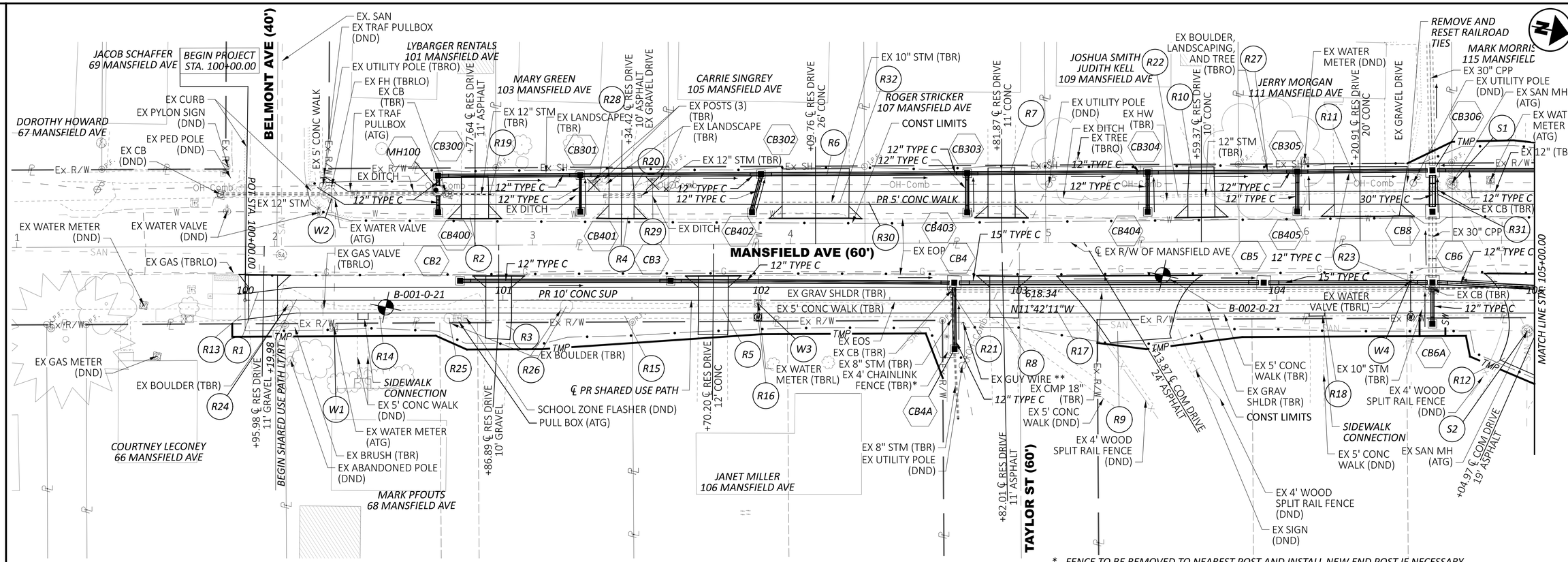
DESIGN AGENCY
EMH&T

DESIGNER
SJS

REVIEWER
HRB 12/13/24

PROJECT ID
115280

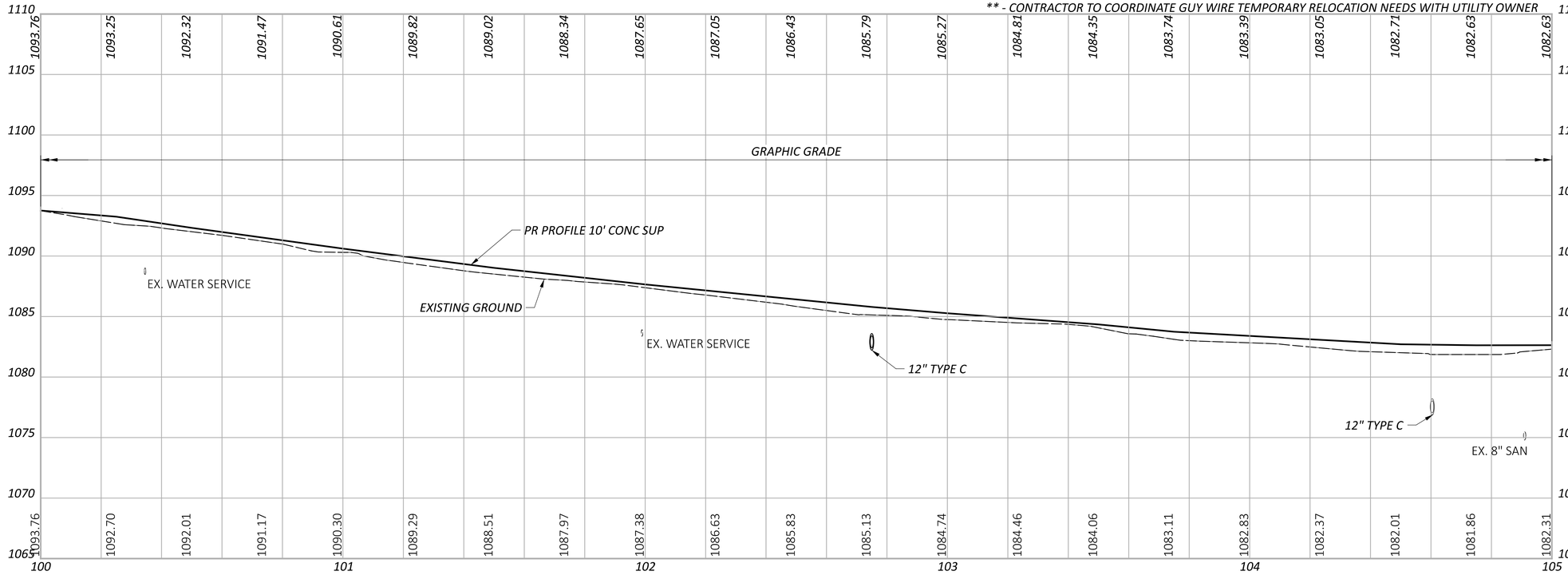
SHEET P.30 | TOTAL 111



NOTES:

CB400: STA. 100+74.89, OFFSET 34.04 FT (LT), GRATE ELEV. 1091.01, INV. 1088.71
CB401: STA. 101+30.00, OFFSET 34.27 FT (LT), GRATE ELEV. 1089.12, INV. 1086.50
CB402: STA. 101+96.57, OFFSET 34.05 FT (LT), GRATE ELEV. 1087.28, INV. 1084.57
CB403: STA. 102+80.00, OFFSET 34.01 FT (LT), GRATE ELEV. 1085.19, INV. 1082.89
CB404: STA. 103+50.00, OFFSET 34.23 FT (LT), GRATE ELEV. 1083.63, INV. 1081.10
CB405: STA. 104+08.00, OFFSET 34.42 FT (LT), GRATE ELEV. 1082.62, INV. 1080.25
CB4A: STA. 102+75.13, OFFSET 19.04 FT (RT), GRATE ELEV. 1085.62, INV. 1082.30
CB6A: STA. 104+60.42, OFFSET 9.19 FT (RT), GRATE ELEV. 1082.17, INV. 1077.20

** - FENCE TO BE REMOVED TO NEAREST POST AND INSTALL NEW END POST IF NECESSARY, COORDINATE EXTENT OF THIS WORK WITH THE CITY*
*** - CONTRACTOR TO COORDINATE GUY WIRE TEMPORARY RELOCATION NEEDS WITH UTILITY OWNER*



MODEL: GP001 - Sheet PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:22:51 AM USER: jtheuring
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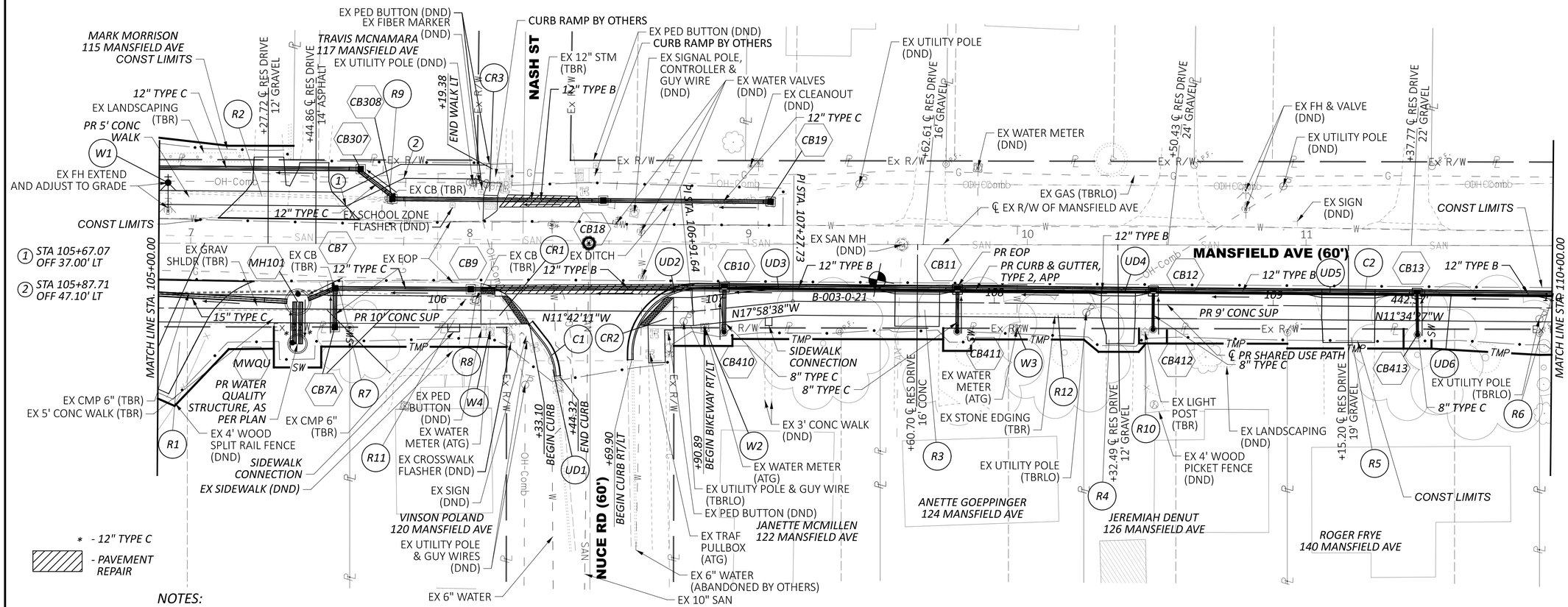
KNO-CR5-0.47

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE
STA 100+00.00 TO STA 105+00.00

DESIGN AGENCY
EMH&T

DESIGNER	SJS
REVIEWER	HRB 06/02/23
PROJECT ID	115280
SHEET	P.31
TOTAL	111



NOTES:

CB7A: STA. 105+63.33, OFFSET 6.43 FT (RT), GRATE ELEV. 1082.43, INV. 1079.10

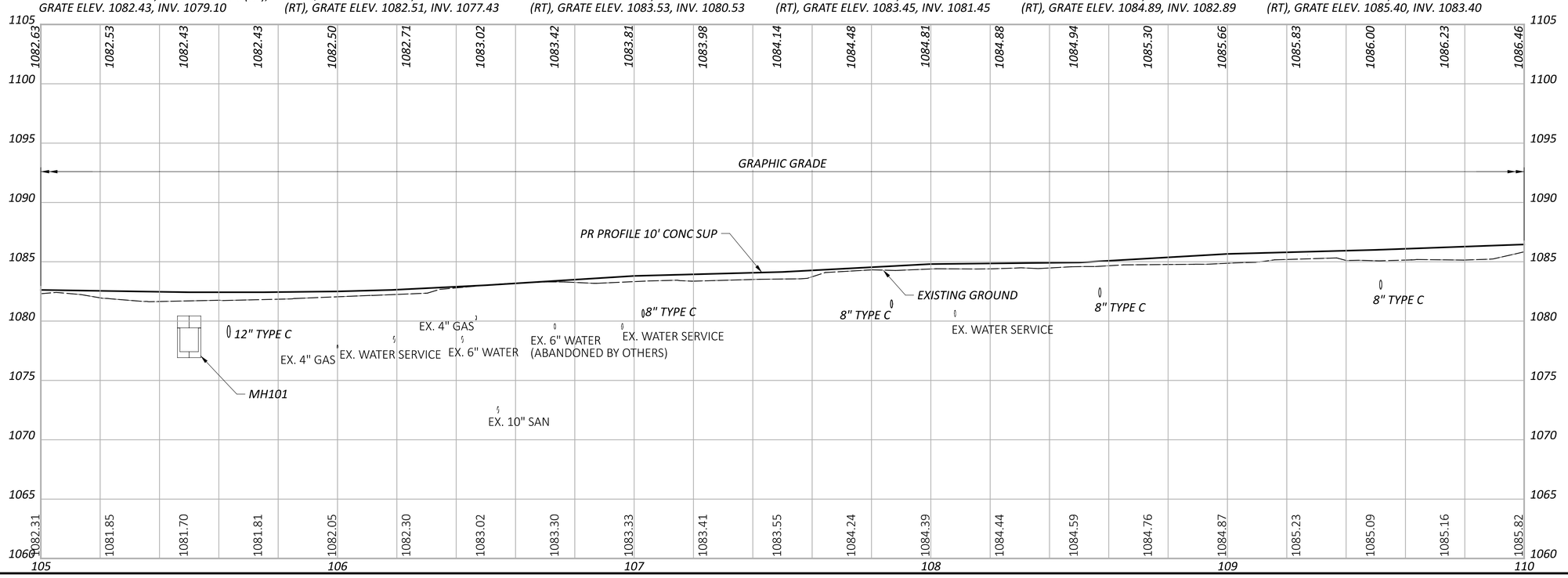
MWQU: STA. 105+50.00, OFFSET 12.50 FT (RT), GRATE ELEV. 1082.51, INV. 1077.43

CB410: STA. 107+00.10, OFFSET 8.25 FT (RT), GRATE ELEV. 1083.53, INV. 1080.53

CB411: STA. 107+86.77, OFFSET 12.30 FT (RT), GRATE ELEV. 1083.45, INV. 1081.45

CB412: STA. 108+56.99, OFFSET 9.00 FT (RT), GRATE ELEV. 1084.89, INV. 1082.89

CB413: STA. 109+51.88, OFFSET 10.00 FT (RT), GRATE ELEV. 1085.40, INV. 1083.40



HORIZONTAL SCALE IN FEET
0 10 20 40

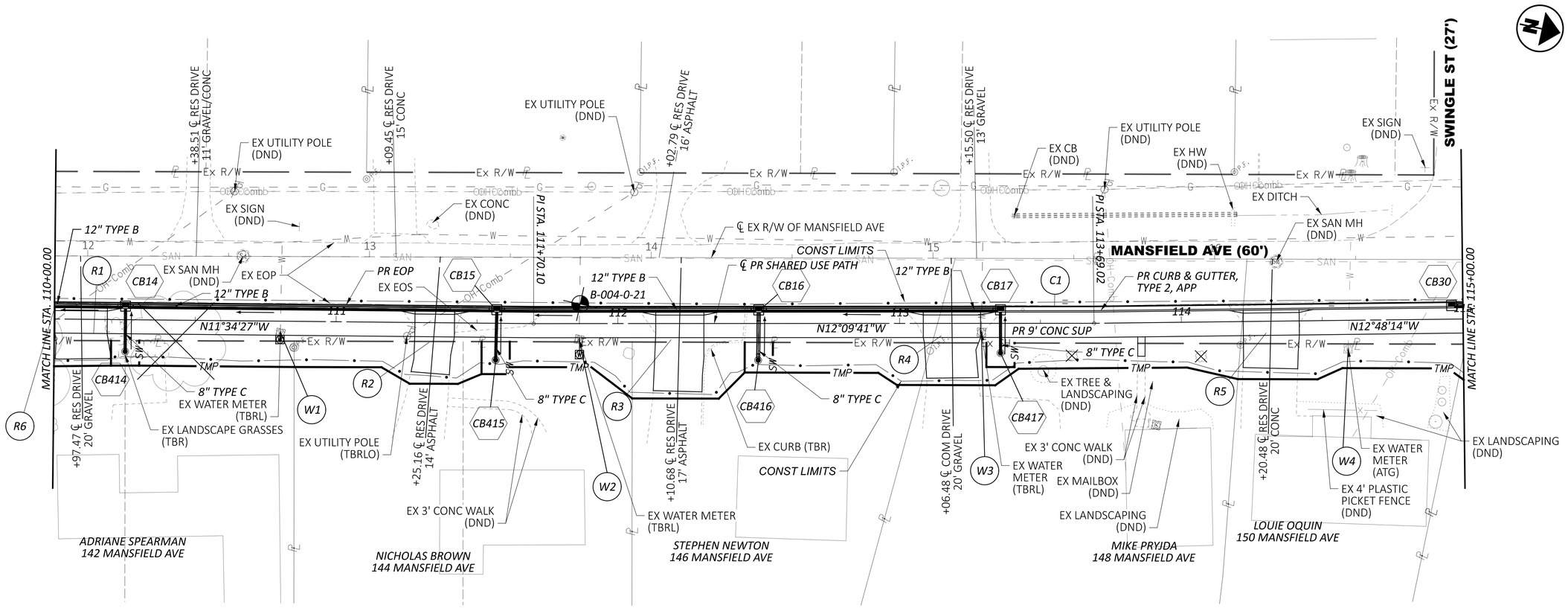
PLAN AND PROFILE
STA 105+00.00 TO STA 110+00.00

DESIGN AGENCY
EMH&T

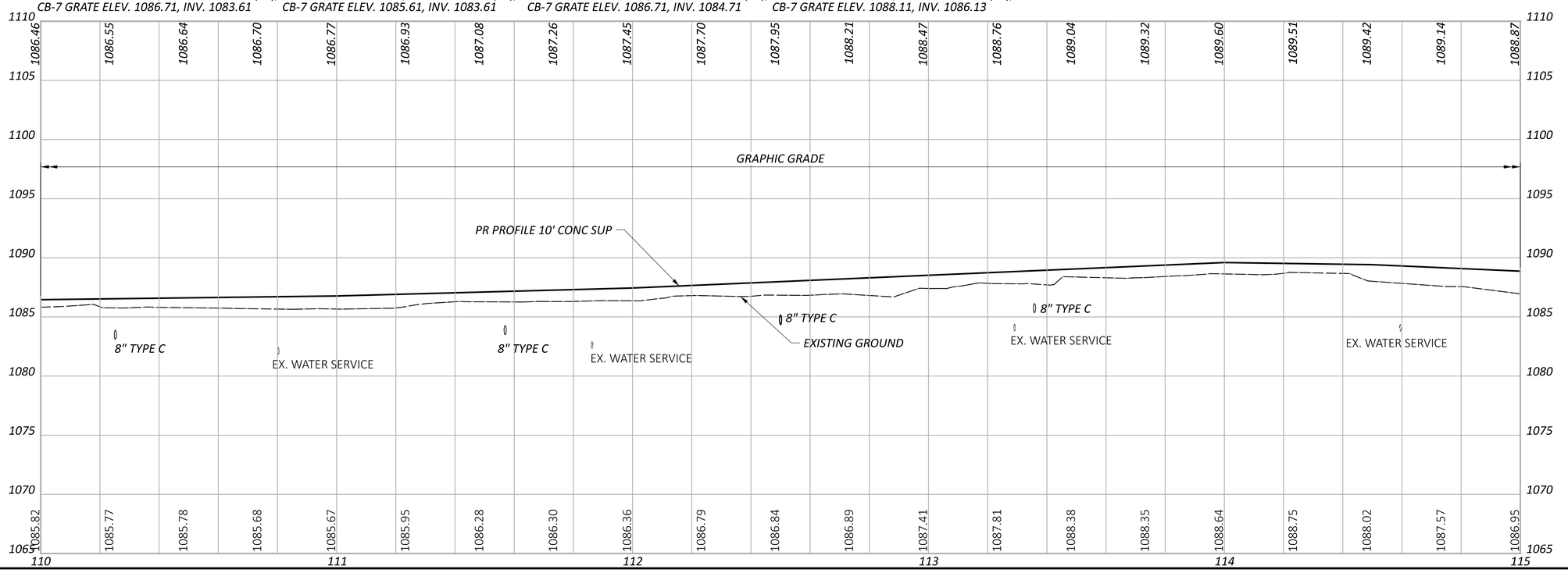
DESIGNER	SJS
REVIEWER	HRB 06/02/23
PROJECT ID	115280
SHEET	P.32
TOTAL	111

KNO-CR5-0.47

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NOTES:



HORIZONTAL SCALE IN FEET
0 10 20 40

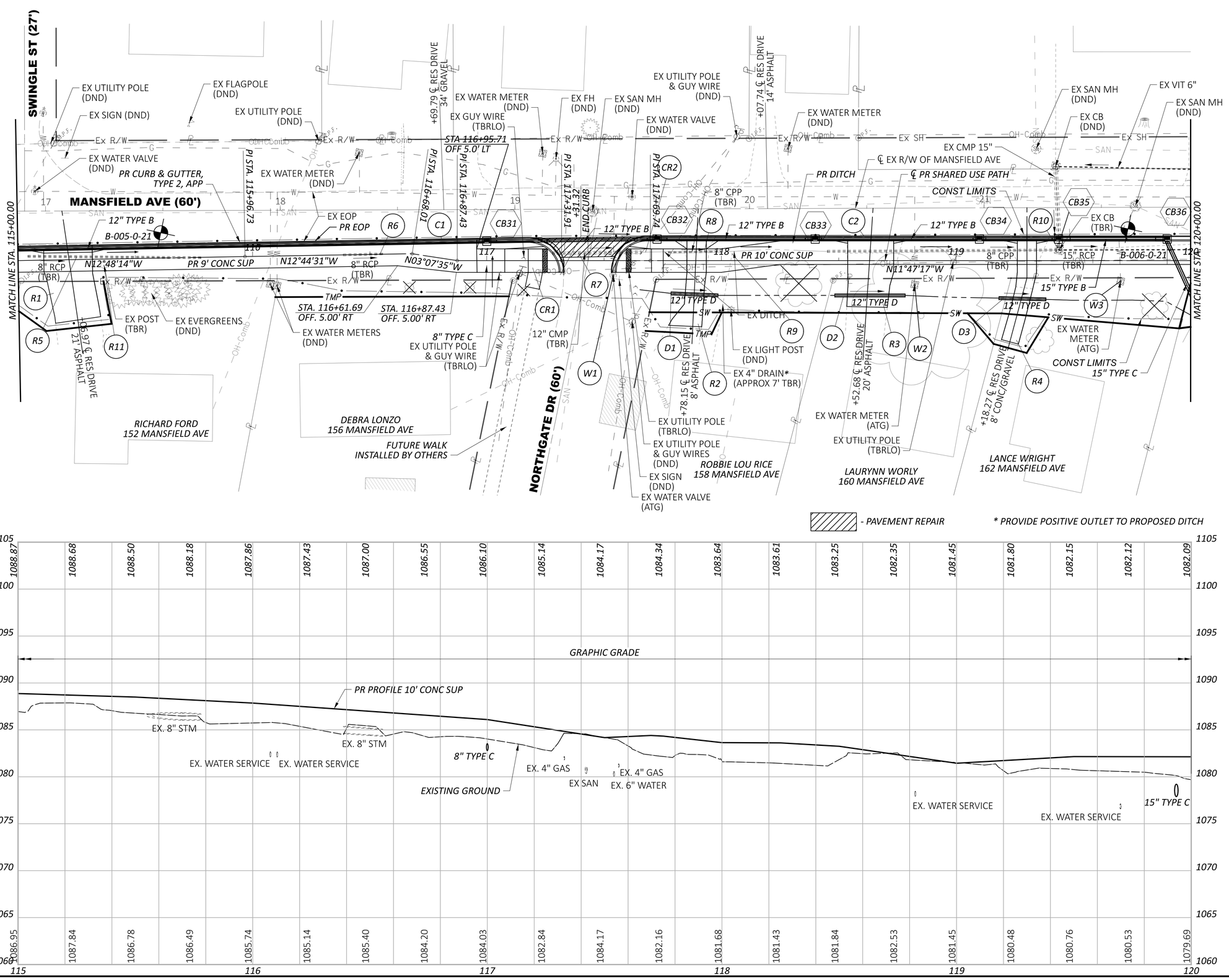
PLAN AND PROFILE
STA 110+00.00 TO STA 115+00.00

DESIGN AGENCY
EM H&T

DESIGNER	SJS
REVIEWER	HRB 06/02/23
PROJECT ID	115280
SHEET	P.33
TOTAL	111

KNO-CR5-0.47

MODEL: GP003 - Sheet PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:22:53 AM USER: jtheuring
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HORIZONTAL SCALE IN FEET
0 10 20 40

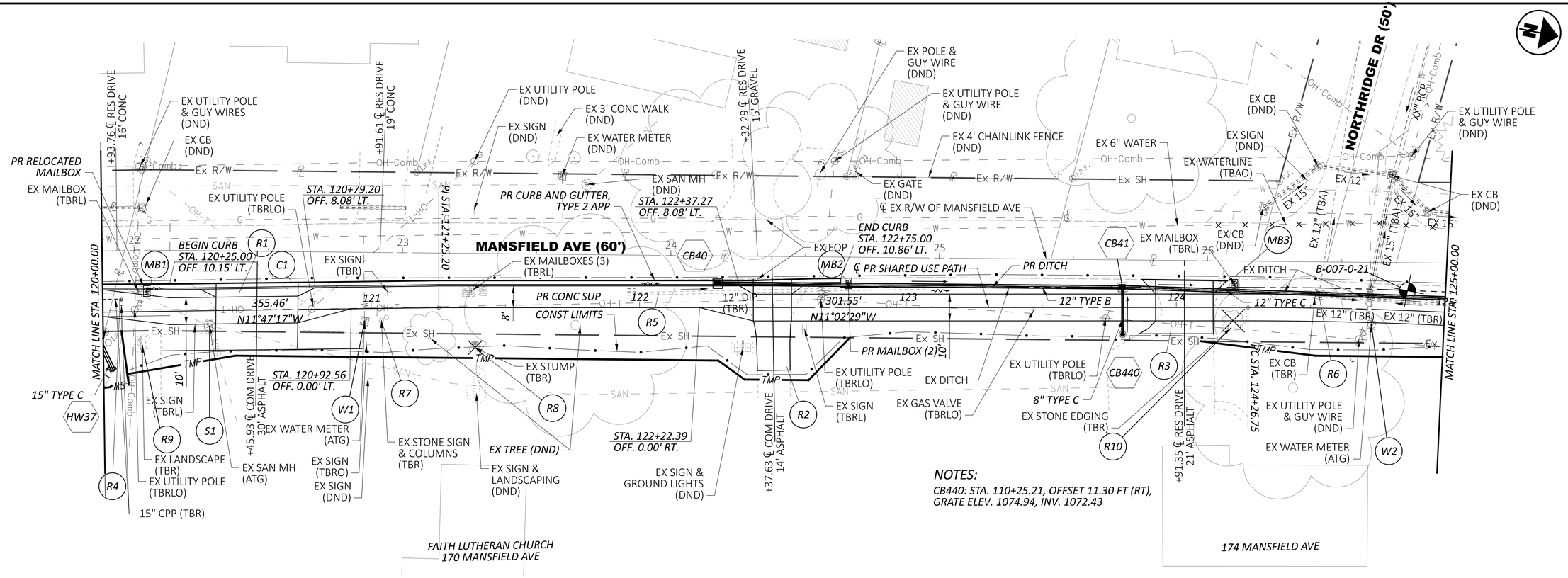
PLAN AND PROFILE
STA 115+00.00 TO STA 120+00.00

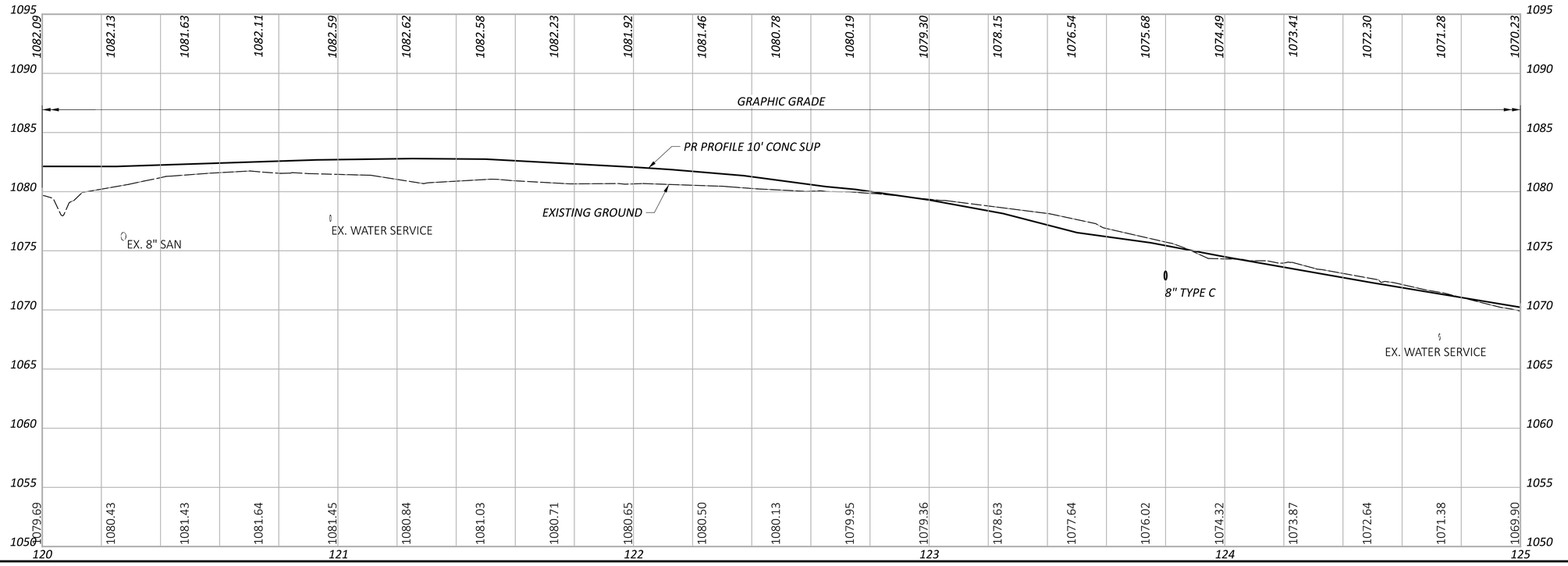
KNO-CR5-0.47

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DESIGN AGENCY
EMH&T

DESIGNER	SJS
REVIEWER	HRB 06/02/23
PROJECT ID	115280
SHEET	P.34
TOTAL	111





HORIZONTAL SCALE IN FEET
0 10 20 40

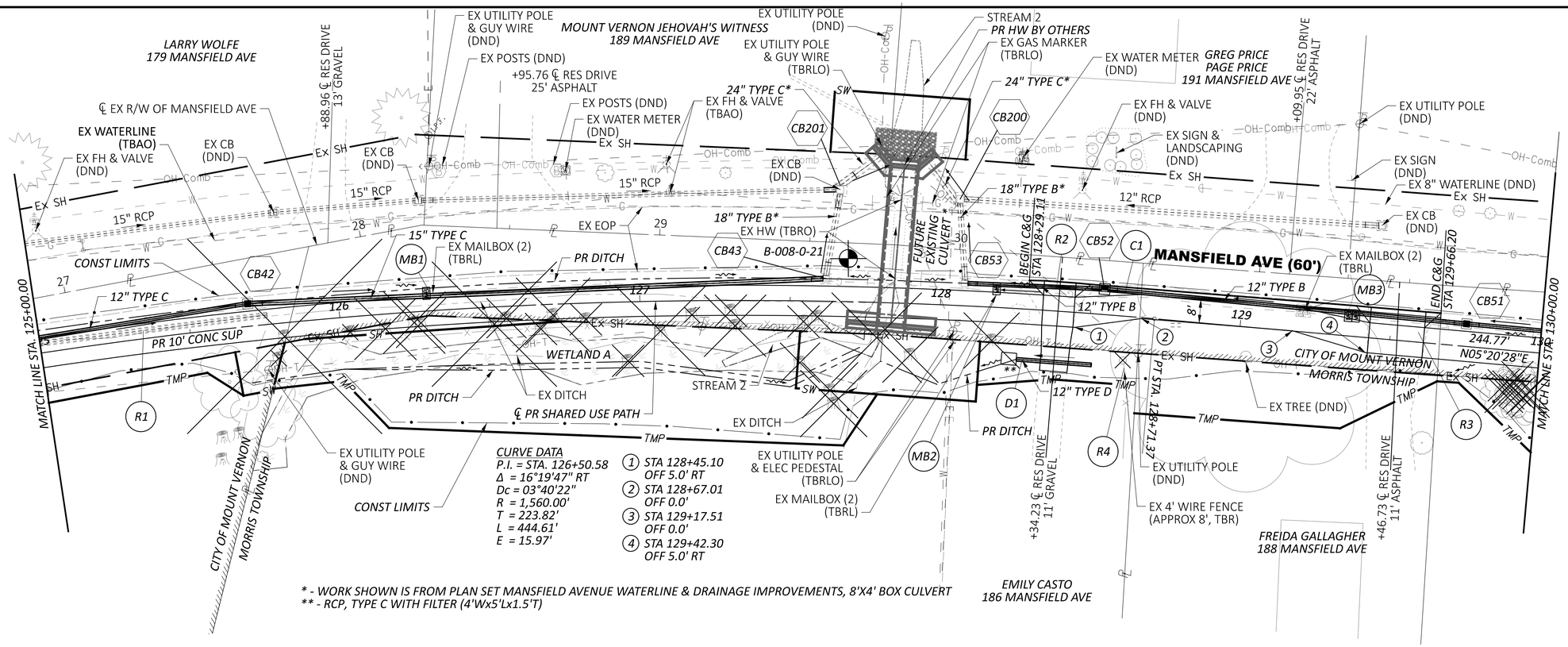
PLAN AND PROFILE
STA 120+00.00 TO STA 125+00.00

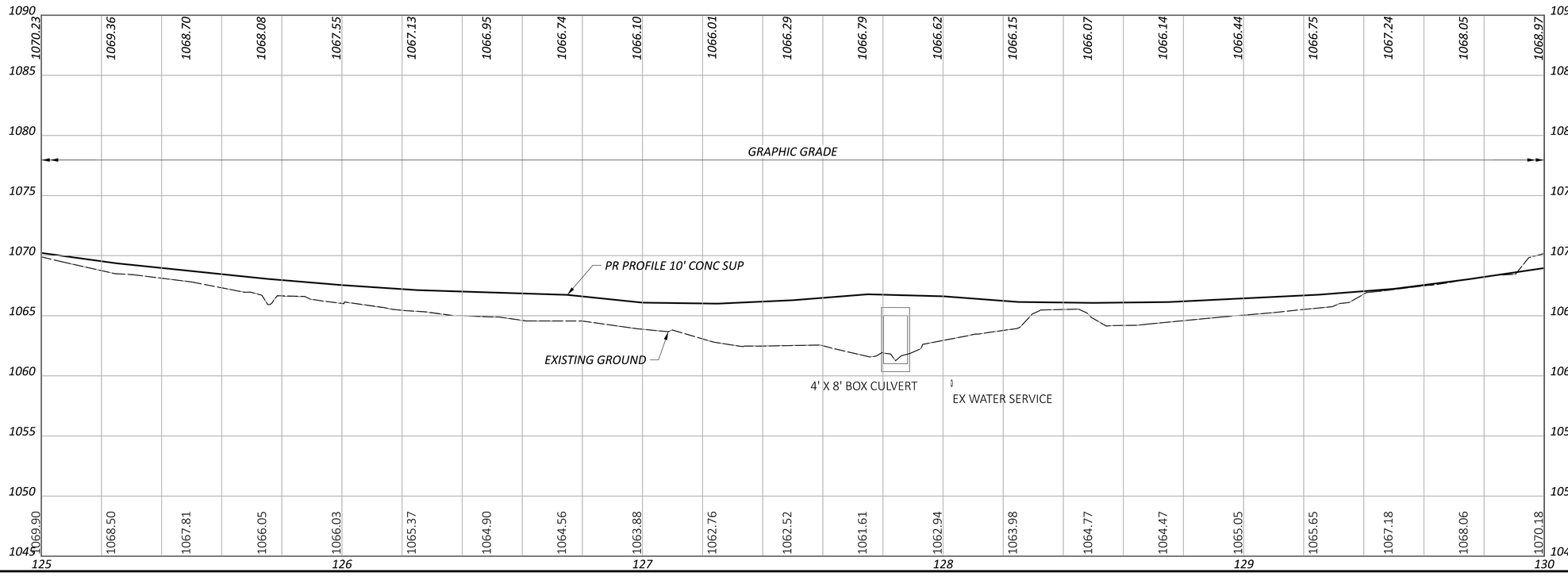
KNO-CR5-0.47

MODEL: GP00S - Sheet PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:22:55 AM USER: jtheuring
J:\2022018?\ODOT\115280\400-Engineering\Roadway\Sheets\115280_GP001.dgn

DESIGN AGENCY
EMH&T

DESIGNER	SJS
REVIEWER	HRB 06/02/23
PROJECT ID	115280
SHEET	P.35
TOTAL	111





KNO-CR5-0.47

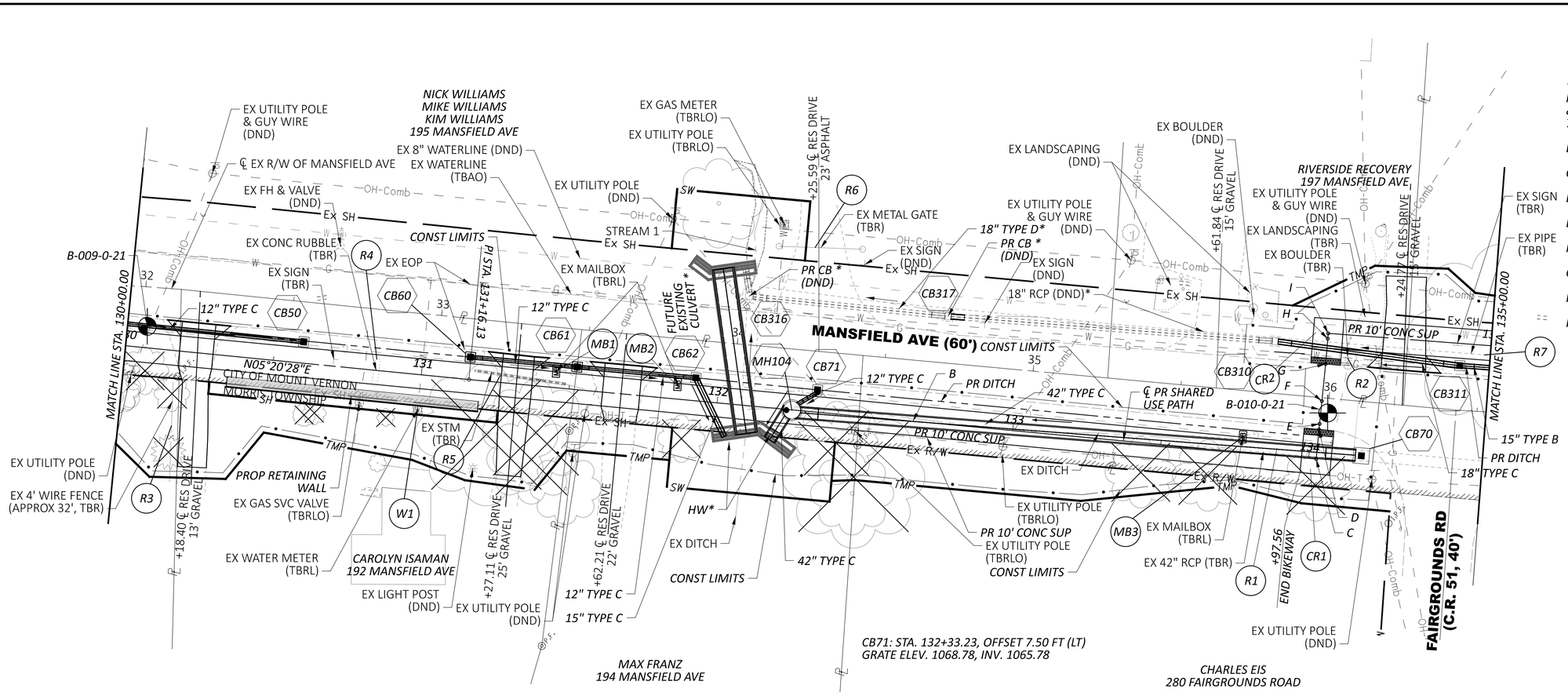
MODEL: GP006 - Sheet PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:01 AM USER: jtheuring
J:\2022\0187\ODOT\115280\400-Engineering\Roadway\Sheets\115280_GP002.dgn

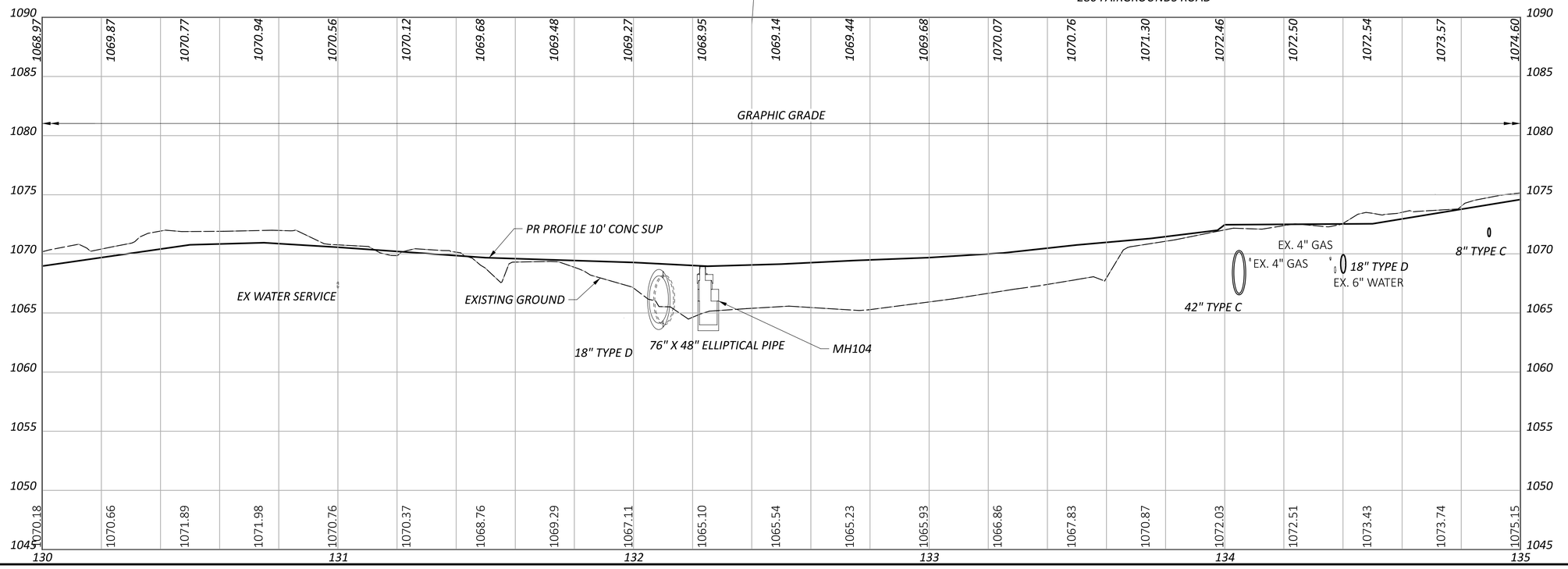
HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE
STA 125+00.00 TO STA 130+00.00

DESIGN AGENCY
EMH&T

DESIGNER	SJS
REVIEWER	HRB 06/02/23
PROJECT ID	115280
SHEET	P.36
TOTAL	111





CB71: STA. 132+33.23, OFFSET 7.50 FT (LT)
GRATE ELEV. 1068.78, INV. 1065.78

* WORK SHOWN IS FROM PLAN SET
MANSFIELD AVENUE WATERLINE
& DRAINAGE IMPROVEMENTS,
76" X 48" ELLIPTICAL PIPE

B: 286.43', N05°04'31.3"E

C: PI STA. 134+02.56

D: PI STA. 134+12.56

E: 10.00 ', N84°54'35.3"W

F: 22.14', N84°32'10.3"W

G: PI STA 134+34.71

H: 10.33' ,N85°26'58.6"W

I: PI STA. 134+45.03

HORIZONTAL
SCALE IN FEET
0 10 20 40

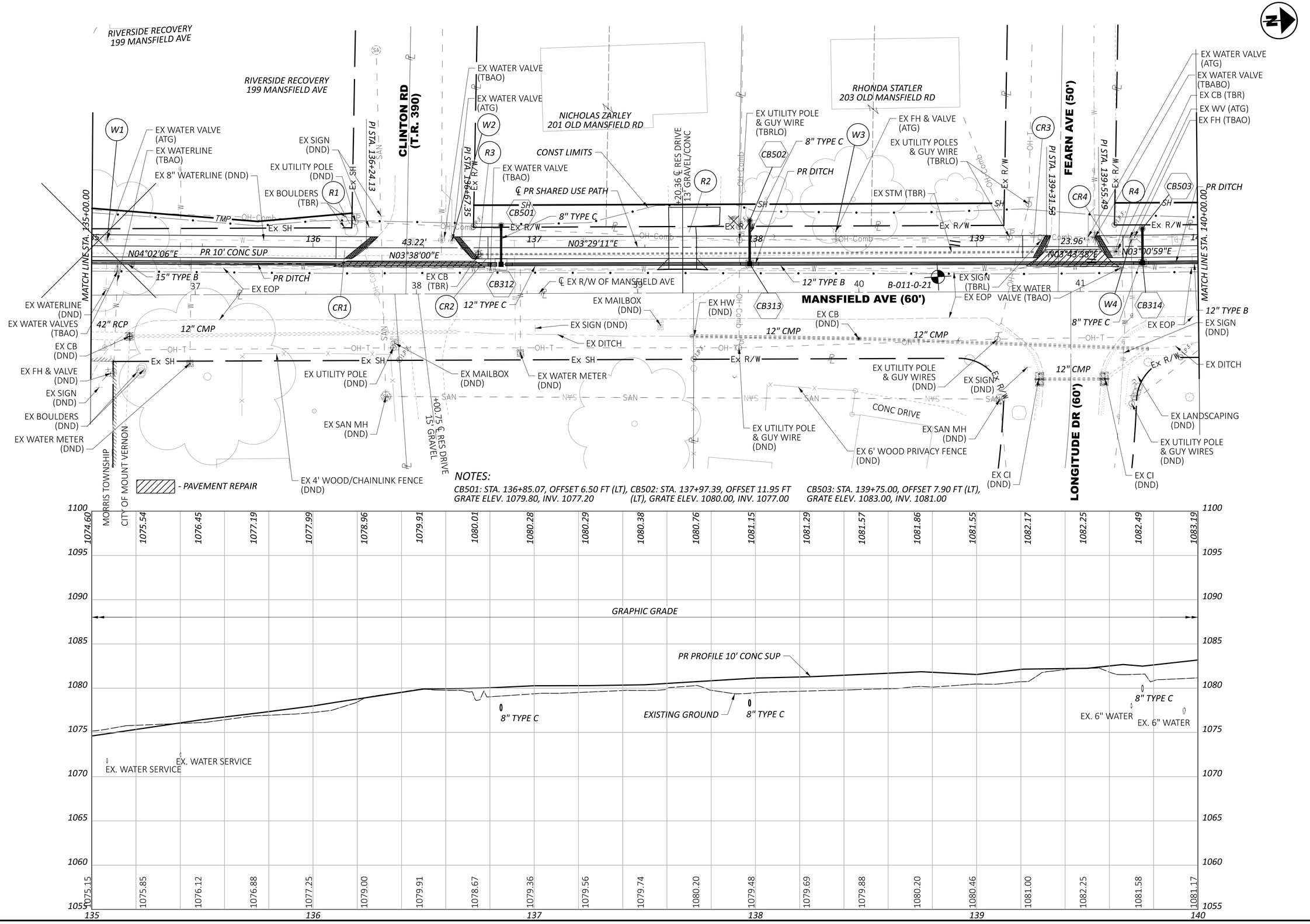
PLAN AND PROFILE
STA 130+00.00 TO STA 135+00.00

DESIGN AGENCY
EMH&T

DESIGNER	SJS
REVIEWER	HRB 06/02/23
PROJECT ID	115280
SHEET	P.37
TOTAL	111

KNO-CR5-0.47

MODEL: GP007 - Sheet PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:02 AM USER: jtheuring
J:\2022018?\ODOT\115280\400-Engineering\Roadway\Sheets\115280_GP002.dgn



NOTES:

CB501: STA. 136+85.07, OFFSET 6.50 FT (LT), GRATE ELEV. 1079.80, INV. 1077.20

CB502: STA. 137+97.39, OFFSET 11.95 FT (LT), GRATE ELEV. 1080.00, INV. 1077.00

CB503: STA. 139+75.00, OFFSET 7.90 FT (LT), GRATE ELEV. 1083.00, INV. 1081.00

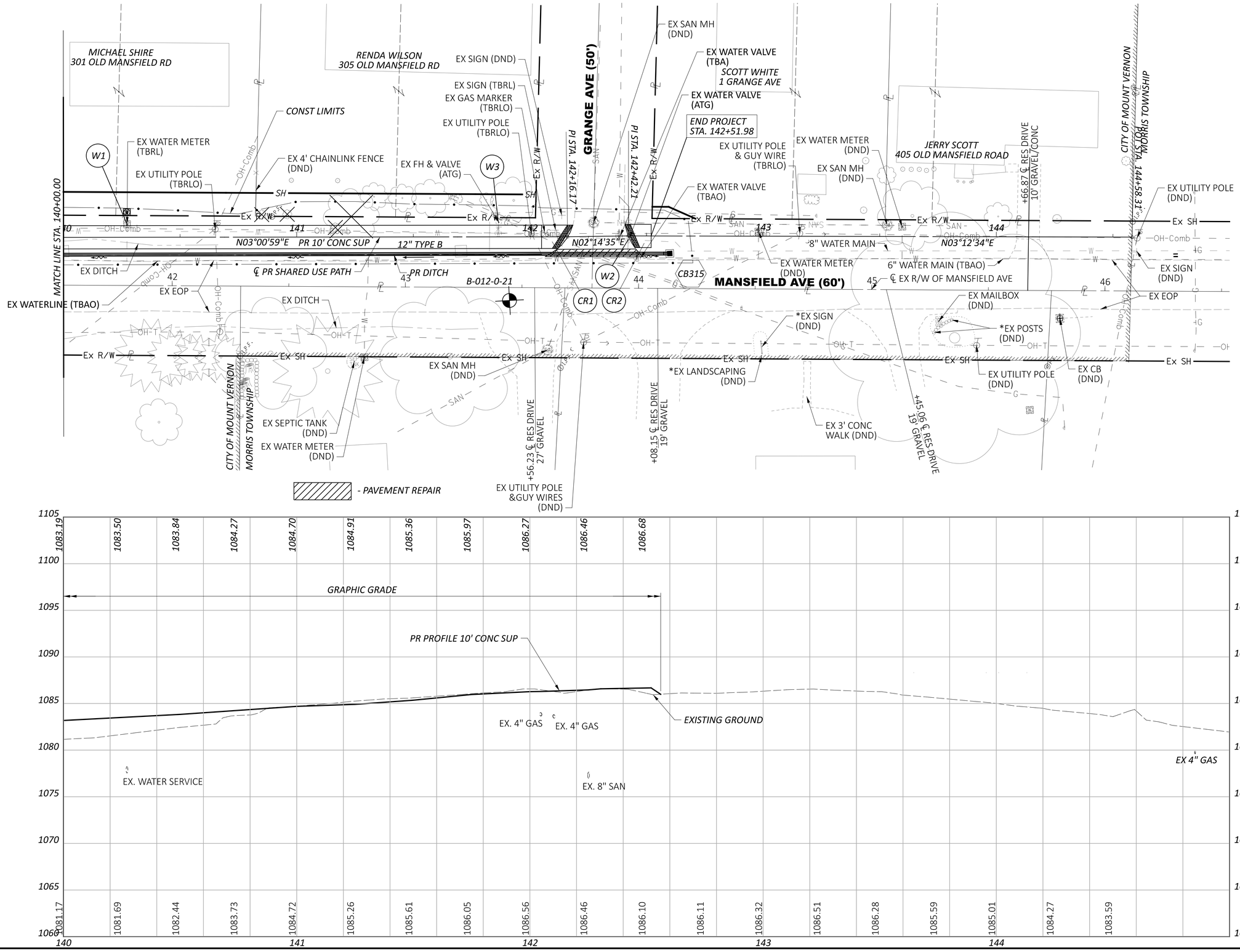
HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE
STA 135+00.00 TO STA 140+00.00

DESIGN AGENCY: EMH&T
DESIGNER: SJS
REVIEWER: HRB 06/02/23
PROJECT ID: 115280
SHEET: P.38 TOTAL: 111

KNO-CR5-0.47

MODEL: GP008 - Sheet PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:03 AM USER: jtheuring
J:\20220187\ODOT\115280\400-Engineering\Roadway\Sheets\115280_GP002.dgn



HORIZONTAL SCALE IN FEET
0 10 20 40

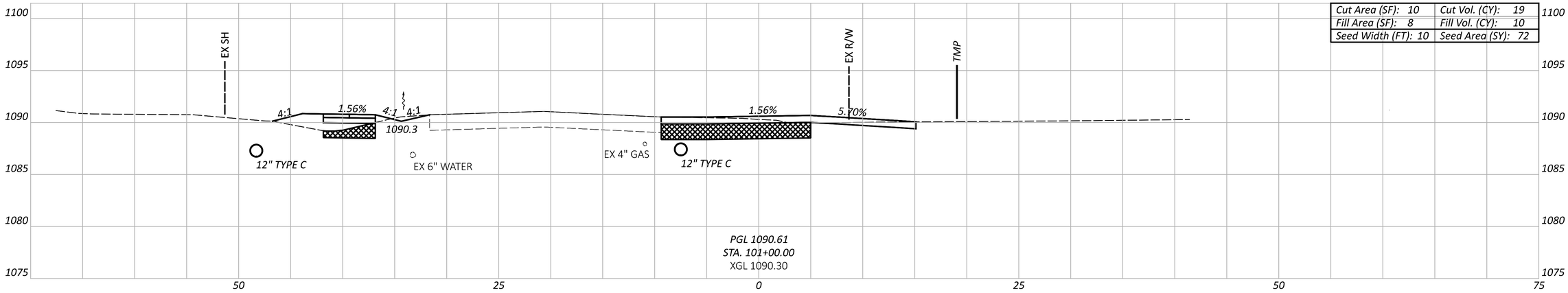
PLAN AND PROFILE
STA 140+00.00 TO STA 142+52.98

DESIGN AGENCY
EMH&T

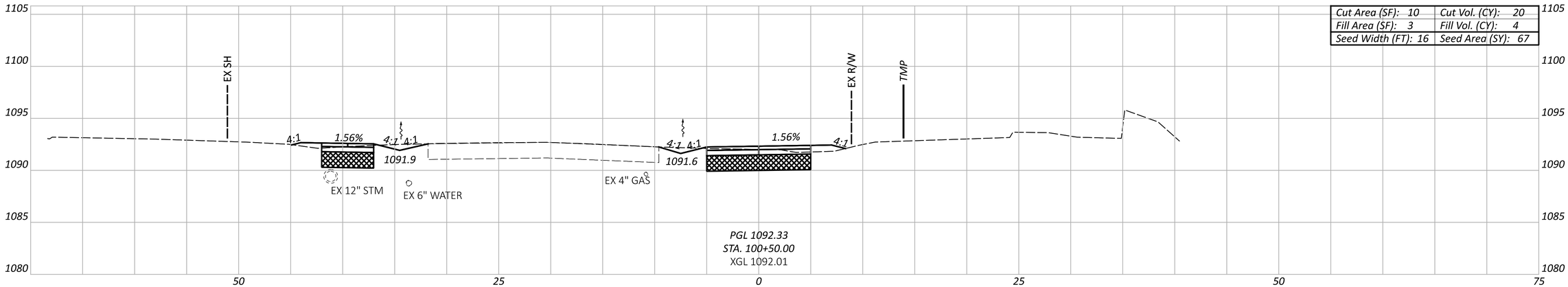
DESIGNER	SJS
REVIEWER	HRB 06/02/23
PROJECT ID	115280
SHEET	P.39
TOTAL	111

KNO-CR5-0.47

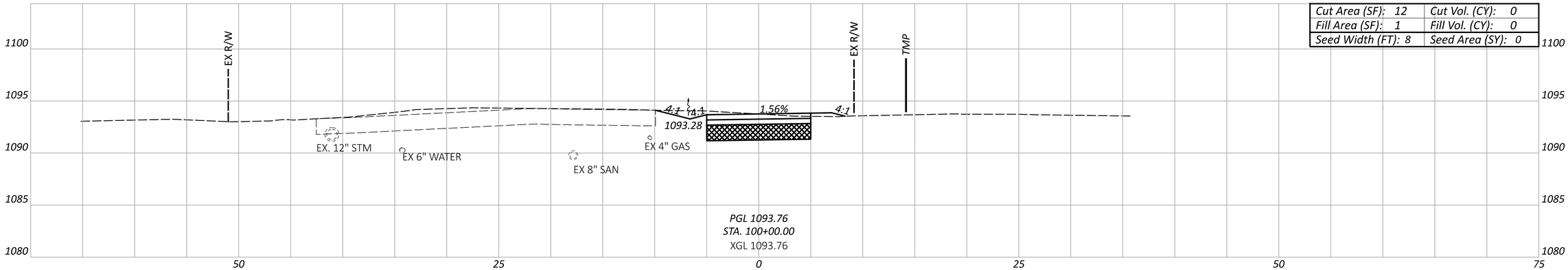
MODEL: GP009 - Sheet PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:04 AM USER: jtheuring
J:\2022\0187\ODOT\115280\400-Engineering\Roadway\Sheets\115280_GP002.dgn



Cut Area (SF): 10	Cut Vol. (CY): 19
Fill Area (SF): 8	Fill Vol. (CY): 10
Seed Width (FT): 10	Seed Area (SY): 72



Cut Area (SF): 10	Cut Vol. (CY): 20
Fill Area (SF): 3	Fill Vol. (CY): 4
Seed Width (FT): 16	Seed Area (SY): 67



Cut Area (SF): 12	Cut Vol. (CY): 0
Fill Area (SF): 1	Fill Vol. (CY): 0
Seed Width (FT): 8	Seed Area (SY): 0

- EXCAVATION OF SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
139	39	14

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

DESIGN AGENCY: EMH&T

DESIGNER: SJS

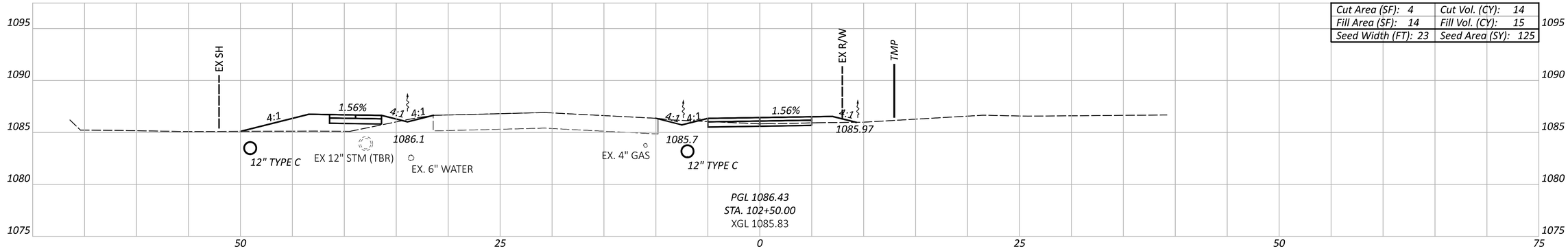
REVIEWER: HRB 12/13/24

PROJECT ID: 115280

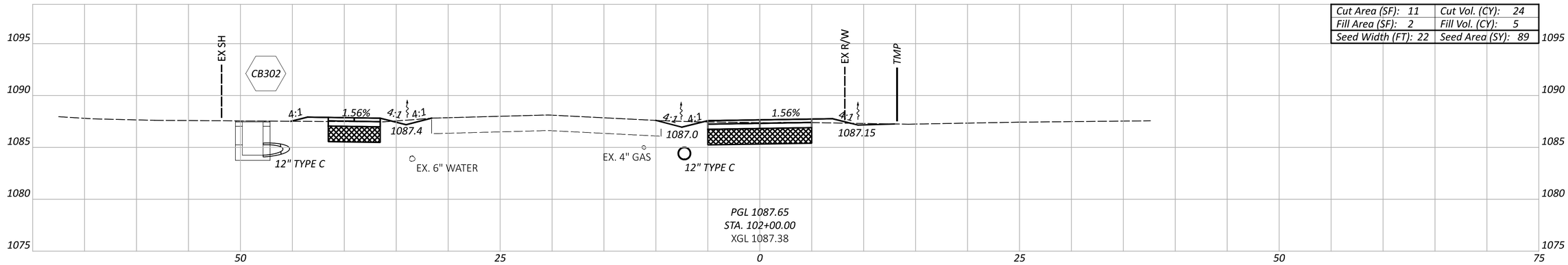
SHEET: P.40 TOTAL: 111

KNO-CR5-0.47

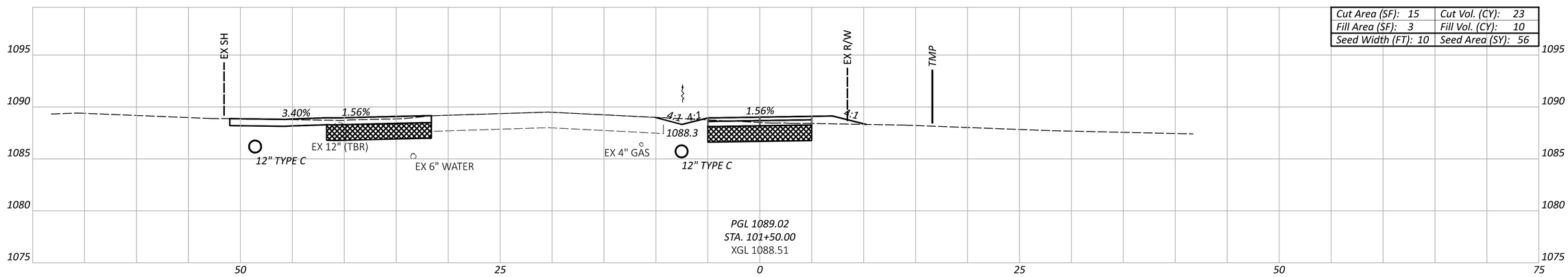
MODEL: CLP_MANSFIELD_PATH - 100+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:07 AM USER: jtheuring
J:\2022\0187\ODOT\115280\400-Engineering\Roadway\Sheets\115280_XS001.dgn



Cut Area (SF): 4	Cut Vol. (CY): 14
Fill Area (SF): 14	Fill Vol. (CY): 15
Seed Width (FT): 23	Seed Area (SY): 125



Cut Area (SF): 11	Cut Vol. (CY): 24
Fill Area (SF): 2	Fill Vol. (CY): 5
Seed Width (FT): 22	Seed Area (SY): 89



Cut Area (SF): 15	Cut Vol. (CY): 23
Fill Area (SF): 3	Fill Vol. (CY): 10
Seed Width (FT): 10	Seed Area (SY): 56

- EXCAVATION OF SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
269	61	30

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

DESIGN AGENCY
EMH&T

DESIGNER
SJS

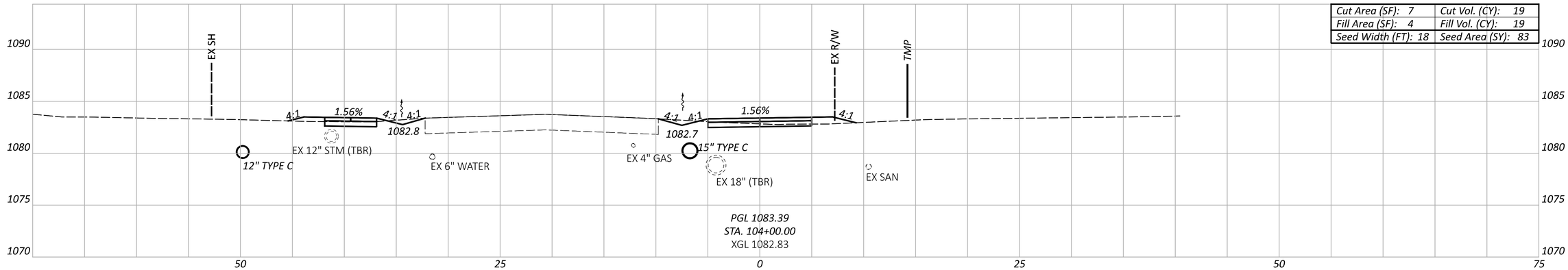
REVIEWER
HRB 12/13/24

PROJECT ID
115280

SHEET P.41 | TOTAL 111

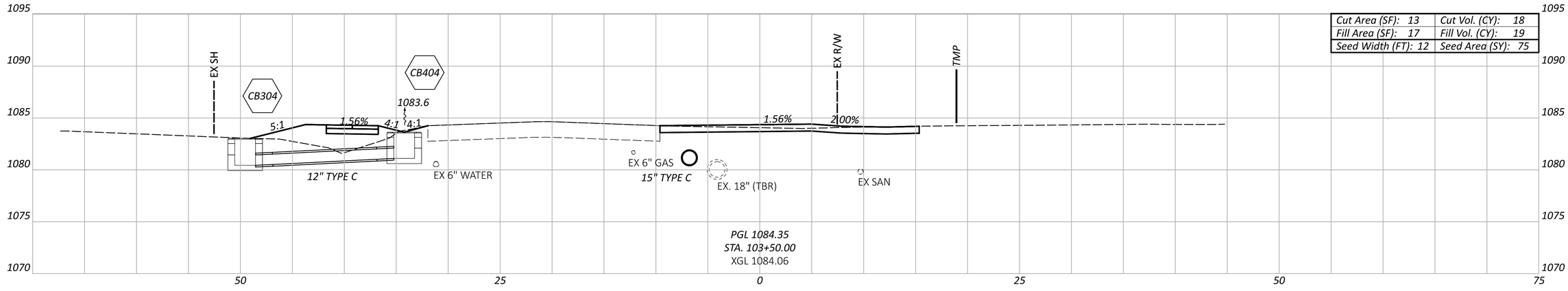
KNO-CR5-0.47

MODEL: CLP_MANSFIELD_PATH - 101+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:09 AM USER: jtheuring
J:\2022\0187\ODOT\115280\400-Engineering\Roadway\Sheets\115280_XS001.dgn



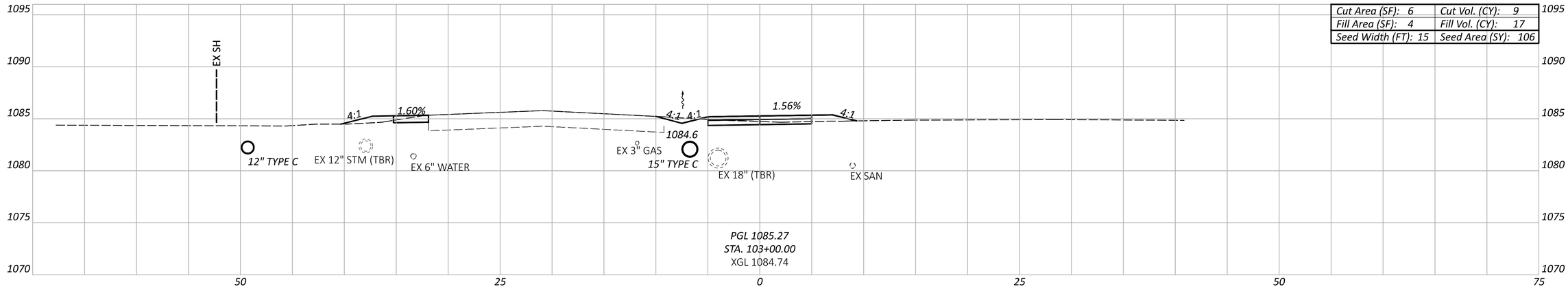
Cut Area (SF): 7	Cut Vol. (CY): 19
Fill Area (SF): 4	Fill Vol. (CY): 19
Seed Width (FT): 18	Seed Area (SY): 83

PGL 1083.39
STA. 104+00.00
XGL 1082.83



Cut Area (SF): 13	Cut Vol. (CY): 18
Fill Area (SF): 17	Fill Vol. (CY): 19
Seed Width (FT): 12	Seed Area (SY): 75

PGL 1084.35
STA. 103+50.00
XGL 1084.06



Cut Area (SF): 6	Cut Vol. (CY): 9
Fill Area (SF): 4	Fill Vol. (CY): 17
Seed Width (FT): 15	Seed Area (SY): 106

PGL 1085.27
STA. 103+00.00
XGL 1084.74

- EXCAVATION OF SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
264	45	56

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

DESIGN AGENCY
EMHT

DESIGNER
SJS

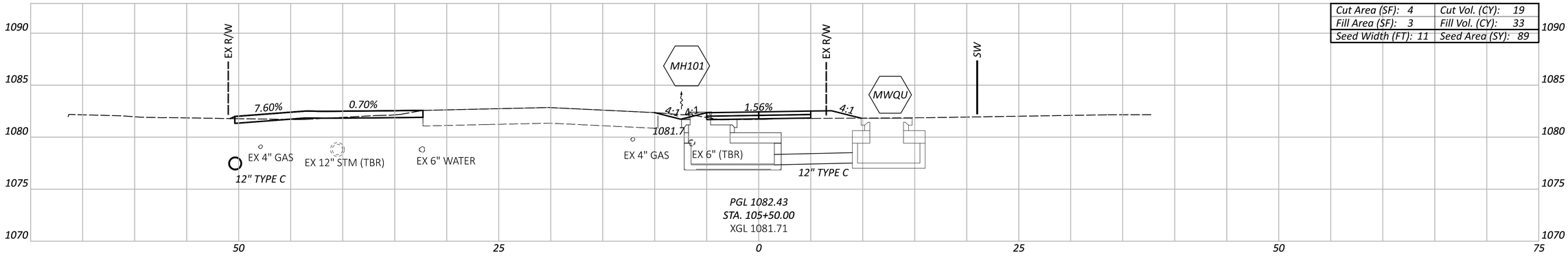
REVIEWER
HRB 12/13/24

PROJECT ID
115280

SHEET P.42 | TOTAL 111

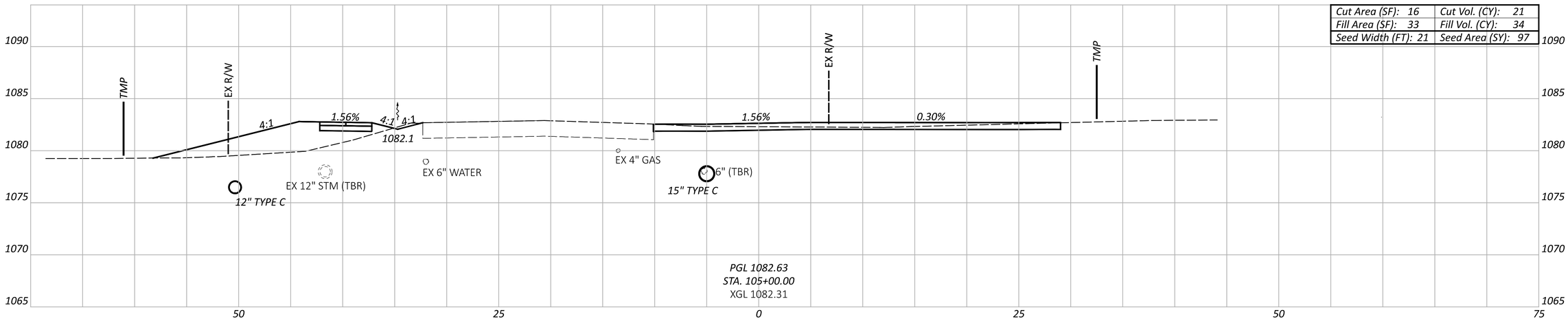
KNO-CR5-0.47

MODEL: CLP_MANSFIELD_PATH - 103+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:10 AM USER: jtheuring
J:\2022\0187\ODOT\115280\400-Engineering\Roadway\Sheets\115280_XS001.dgn



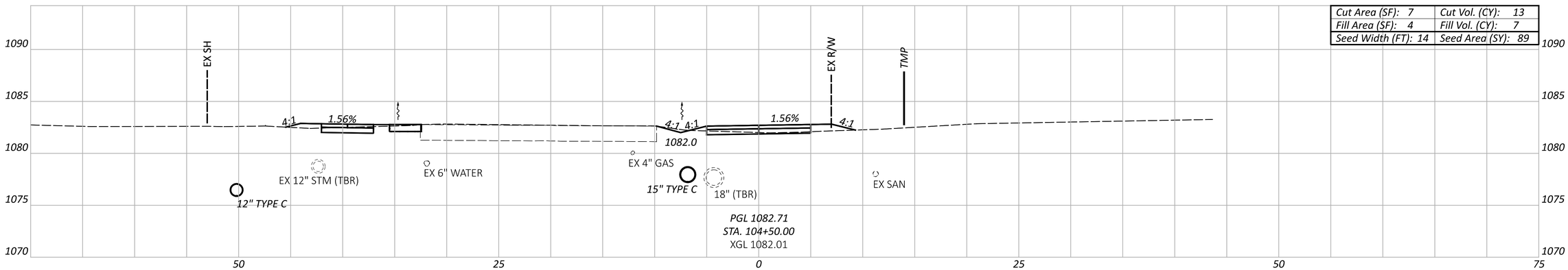
Cut Area (SF): 4	Cut Vol. (CY): 19
Fill Area (SF): 3	Fill Vol. (CY): 33
Seed Width (FT): 11	Seed Area (SY): 89

PGL 1082.43
STA. 105+50.00
XGL 1081.71



Cut Area (SF): 16	Cut Vol. (CY): 21
Fill Area (SF): 33	Fill Vol. (CY): 34
Seed Width (FT): 21	Seed Area (SY): 97

PGL 1082.63
STA. 105+00.00
XGL 1082.31



Cut Area (SF): 7	Cut Vol. (CY): 13
Fill Area (SF): 4	Fill Vol. (CY): 7
Seed Width (FT): 14	Seed Area (SY): 89

PGL 1082.71
STA. 104+50.00
XGL 1082.01

- EXCAVATION OF SUBGRADE

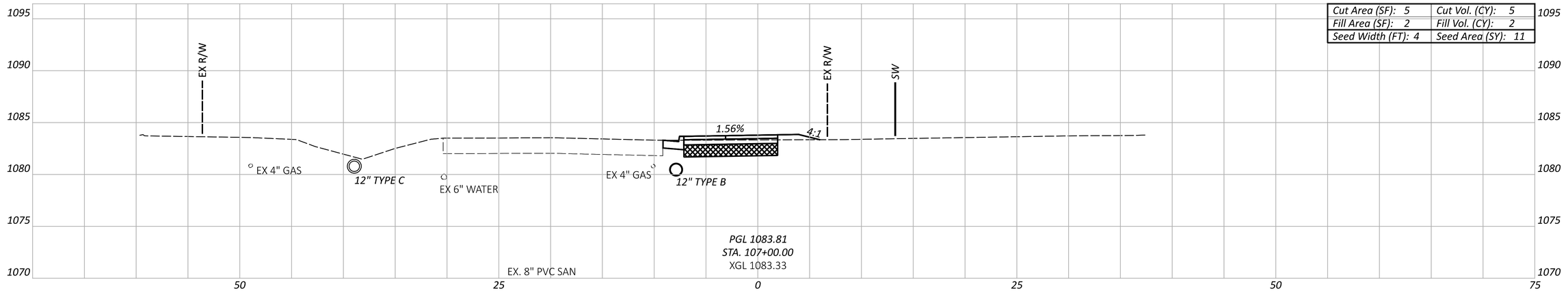
Sheet Totals		
Seeding	Cut	Fill
275	53	75

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

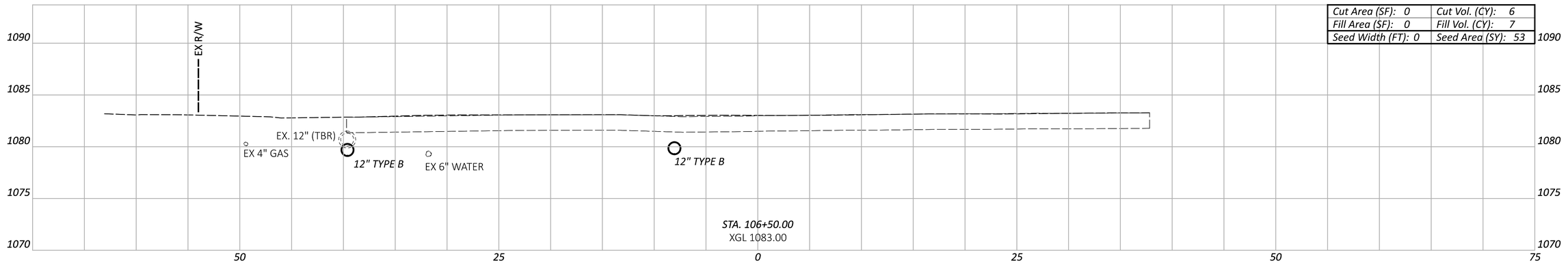
DESIGN AGENCY: EMH&T
DESIGNER: SJS
REVIEWER: HRB 12/13/24
PROJECT ID: 115280
SHEET: P.43
TOTAL: 111

KNO-CR5-0.47

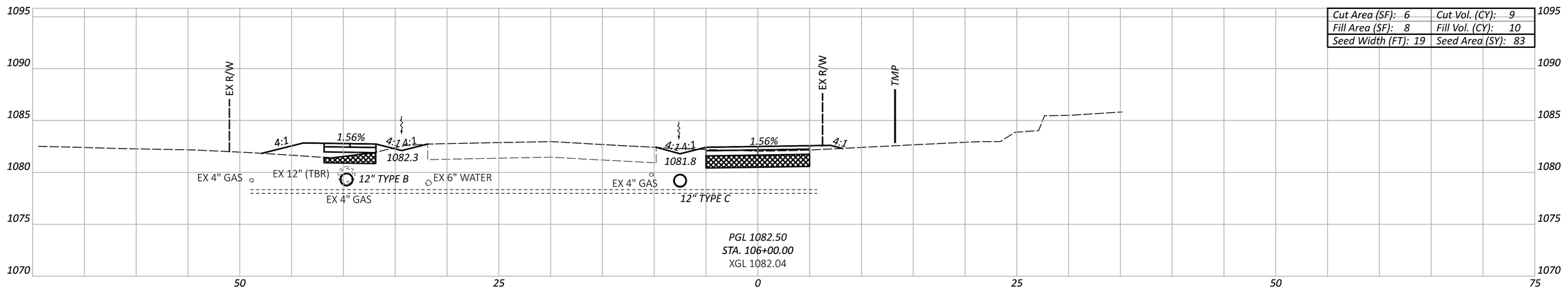
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J:\20220187\ODOT\115280\400-Engineering\Roadway\Sheets\115280_XS001.dgn



Cut Area (SF): 5	Cut Vol. (CY): 5
Fill Area (SF): 2	Fill Vol. (CY): 2
Seed Width (FT): 4	Seed Area (SY): 11



Cut Area (SF): 0	Cut Vol. (CY): 6
Fill Area (SF): 0	Fill Vol. (CY): 7
Seed Width (FT): 0	Seed Area (SY): 53



Cut Area (SF): 6	Cut Vol. (CY): 9
Fill Area (SF): 8	Fill Vol. (CY): 10
Seed Width (FT): 19	Seed Area (SY): 83

▨ - EXCAVATION OF SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
147	19	19

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

KNO-CR5-0.47

MODEL: CLP_MANSFIELD_PATH - 106+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:12 AM USER: jtheuring
J:\2022018?\ODOT\115280\400-Engineering\Roadway\Sheets\115280_XS001.dgn

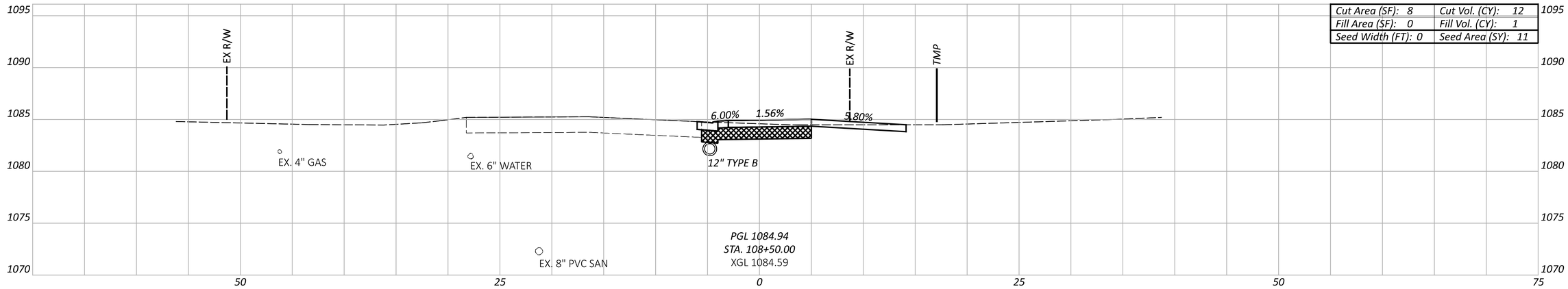
DESIGN AGENCY: EMH&T

DESIGNER: SJS

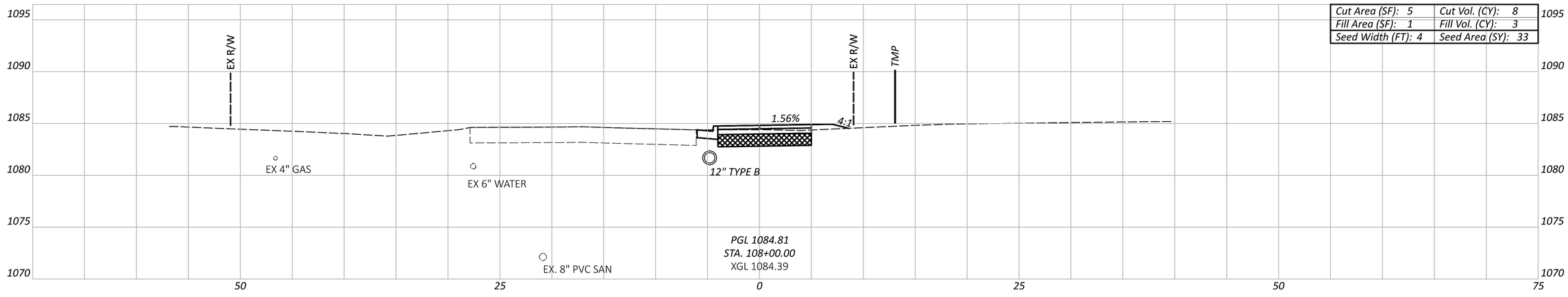
REVIEWER: HRB 12/13/24

PROJECT ID: 115280

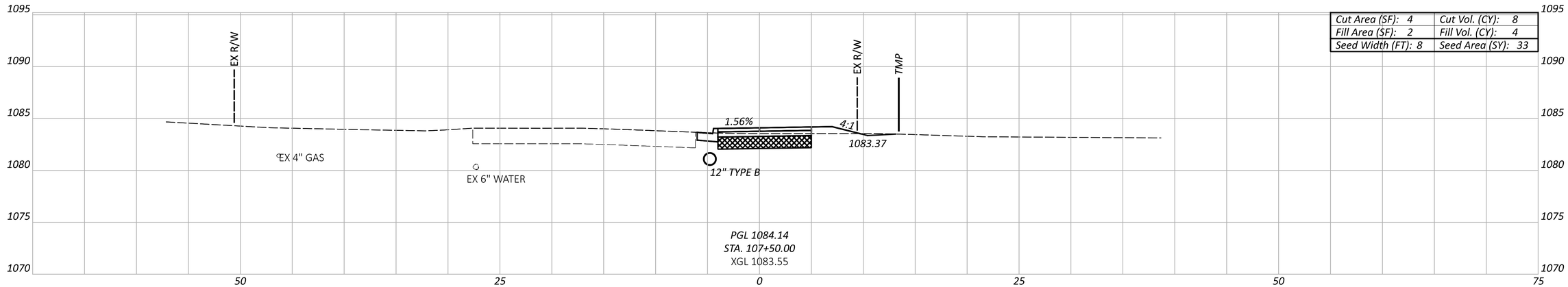
SHEET: P.44 TOTAL: 111



Cut Area (SF): 8	Cut Vol. (CY): 12
Fill Area (SF): 0	Fill Vol. (CY): 1
Seed Width (FT): 0	Seed Area (SY): 11



Cut Area (SF): 5	Cut Vol. (CY): 8
Fill Area (SF): 1	Fill Vol. (CY): 3
Seed Width (FT): 4	Seed Area (SY): 33



Cut Area (SF): 4	Cut Vol. (CY): 8
Fill Area (SF): 2	Fill Vol. (CY): 4
Seed Width (FT): 8	Seed Area (SY): 33

- EXCAVATION OF SUBGRADE

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

KNO-CR5-0.47

MODEL: CLP_MANSFIELD_PATH - 107+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:13 AM USER: jtheuring
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DESIGN AGENCY
EM H&T

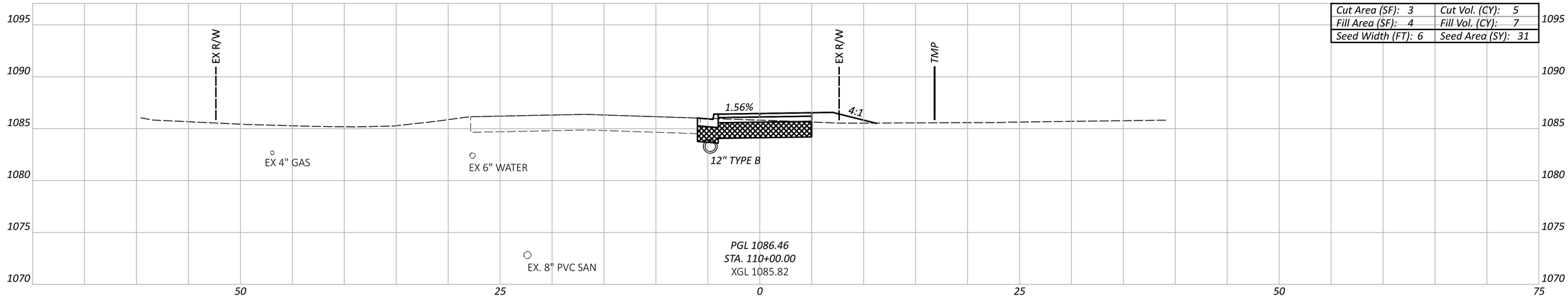
DESIGNER
SJS

REVIEWER
HRB 12/13/24

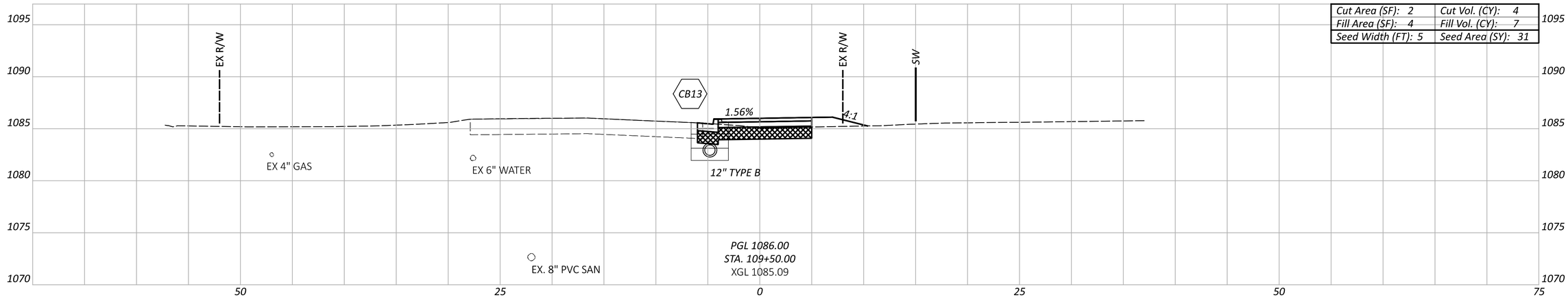
PROJECT ID
115280

Sheet Totals		
Seeding	Cut	Fill
78	29	7

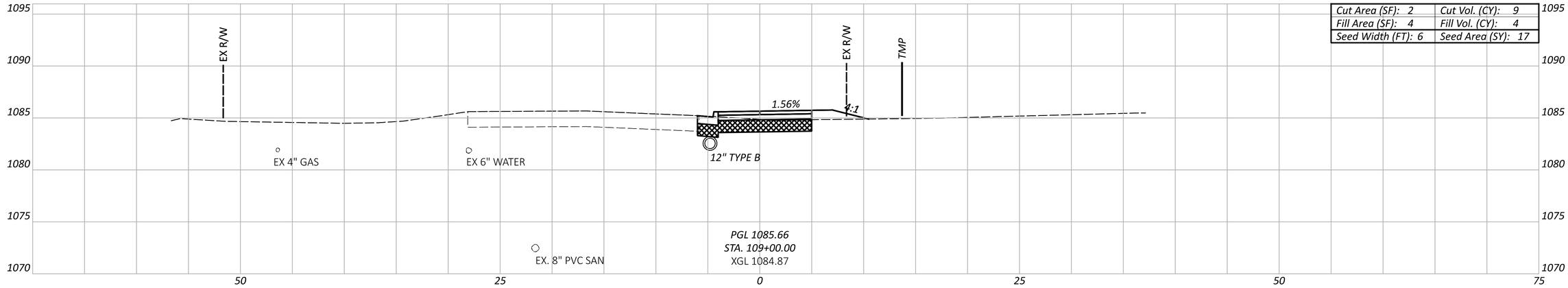
SHEET	TOTAL
P.45	111



Cut Area (SF): 3	Cut Vol. (CY): 5
Fill Area (SF): 4	Fill Vol. (CY): 7
Seed Width (FT): 6	Seed Area (SY): 31



Cut Area (SF): 2	Cut Vol. (CY): 4
Fill Area (SF): 4	Fill Vol. (CY): 7
Seed Width (FT): 5	Seed Area (SY): 31



Cut Area (SF): 2	Cut Vol. (CY): 9
Fill Area (SF): 4	Fill Vol. (CY): 4
Seed Width (FT): 6	Seed Area (SY): 17

- EXCAVATION OF SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
78	18	19

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

DESIGN AGENCY: EMH&T

DESIGNER: SJS

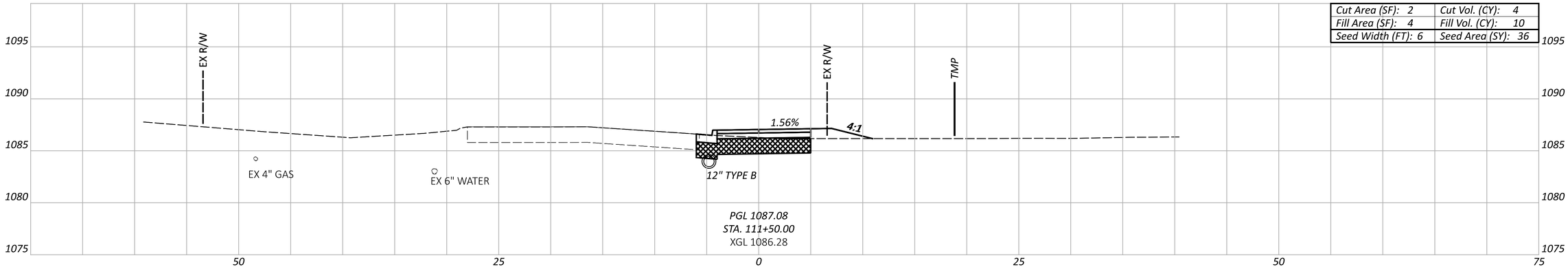
REVIEWER: HRB 12/13/24

PROJECT ID: 115280

SHEET: P.46 TOTAL: 111

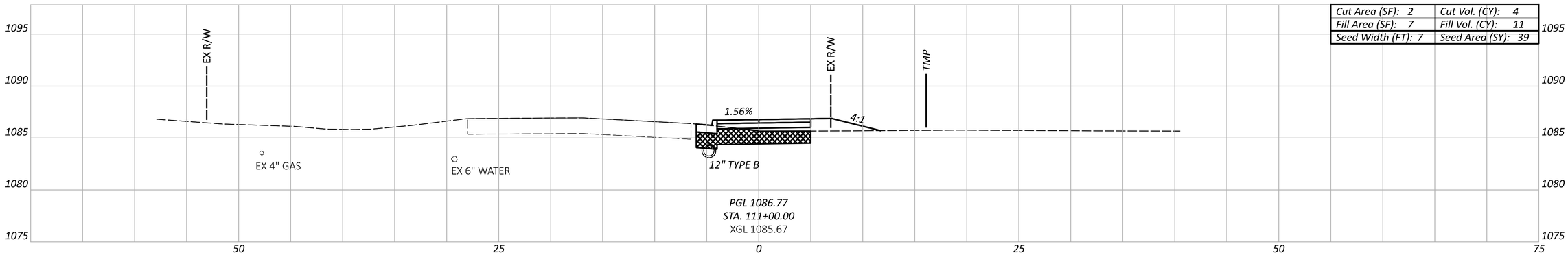
KNO-CR5-0.47

MODEL: CLP_MANSFIELD_PATH - 109+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:14 AM USER: jtheuring
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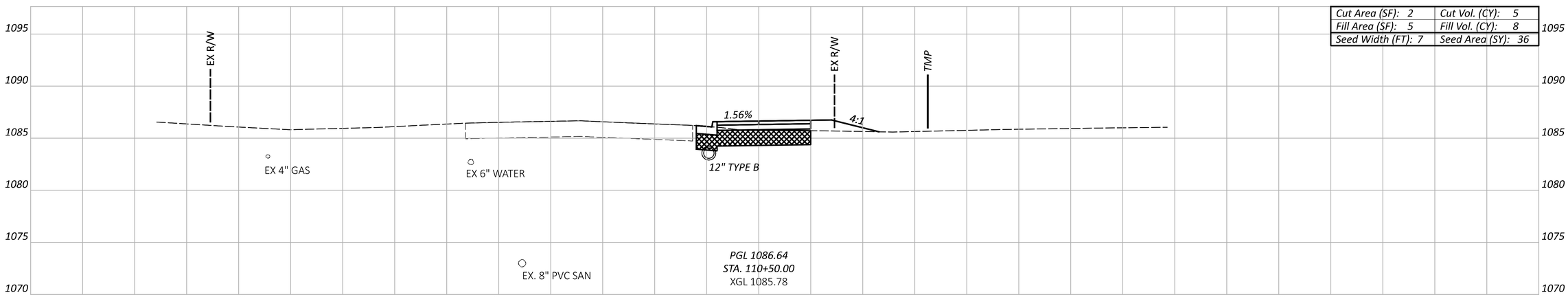
Cut Area (SF): 2	Cut Vol. (CY): 4
Fill Area (SF): 4	Fill Vol. (CY): 10
Seed Width (FT): 6	Seed Area (SY): 36

PGL 1087.08
STA. 111+50.00
XGL 1086.28



Cut Area (SF): 2	Cut Vol. (CY): 4
Fill Area (SF): 7	Fill Vol. (CY): 11
Seed Width (FT): 7	Seed Area (SY): 39

PGL 1086.77
STA. 111+00.00
XGL 1085.67



Cut Area (SF): 2	Cut Vol. (CY): 5
Fill Area (SF): 5	Fill Vol. (CY): 8
Seed Width (FT): 7	Seed Area (SY): 36

PGL 1086.64
STA. 110+50.00
XGL 1085.78

- EXCAVATION OF SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
111	12	30

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

DESIGN AGENCY
EMH&T

DESIGNER
SJS

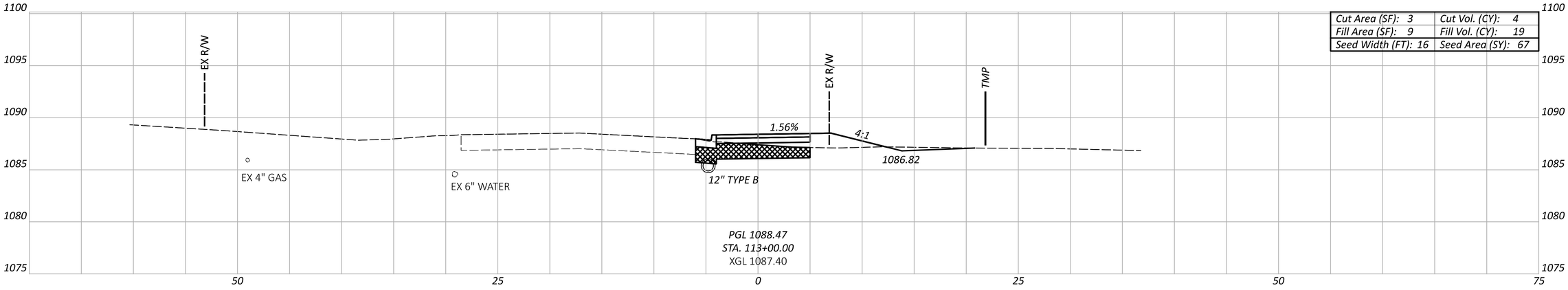
REVIEWER
HRB 12/13/24

PROJECT ID
115280

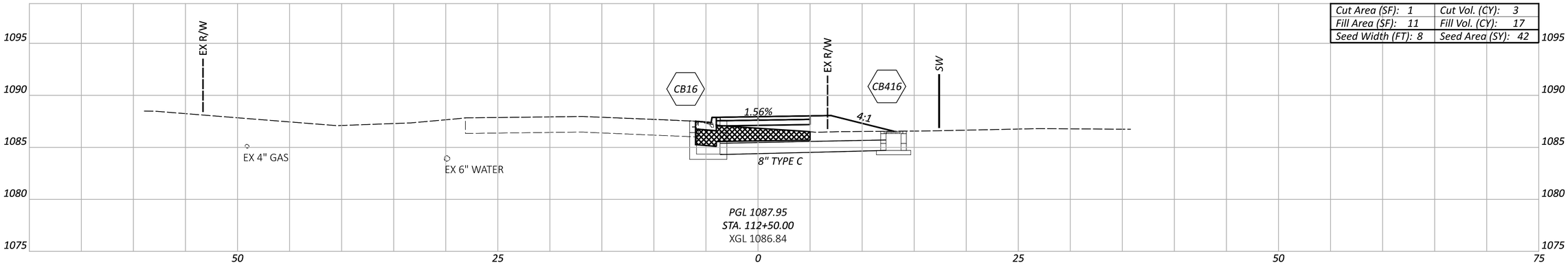
SHEET P.47 TOTAL 111

KNO-CR5-0.47

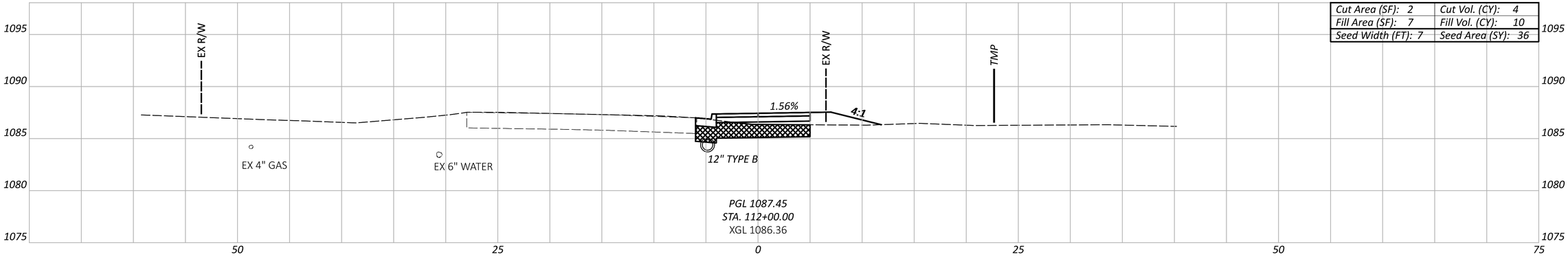
MODEL: CLP_MANSFIELD_PATH - 110+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:15 AM USER: jtheuring
J:\2022\0187\ODOT\115280\400-Engineering\Roadway\Sheets\115280_XS001.dgn



Cut Area (SF): 3	Cut Vol. (CY): 4
Fill Area (SF): 9	Fill Vol. (CY): 19
Seed Width (FT): 16	Seed Area (SY): 67



Cut Area (SF): 1	Cut Vol. (CY): 3
Fill Area (SF): 11	Fill Vol. (CY): 17
Seed Width (FT): 8	Seed Area (SY): 42



Cut Area (SF): 2	Cut Vol. (CY): 4
Fill Area (SF): 7	Fill Vol. (CY): 10
Seed Width (FT): 7	Seed Area (SY): 36

- EXCAVATION OF SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
144	10	45

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

DESIGN AGENCY
EMH&T

DESIGNER
SJS

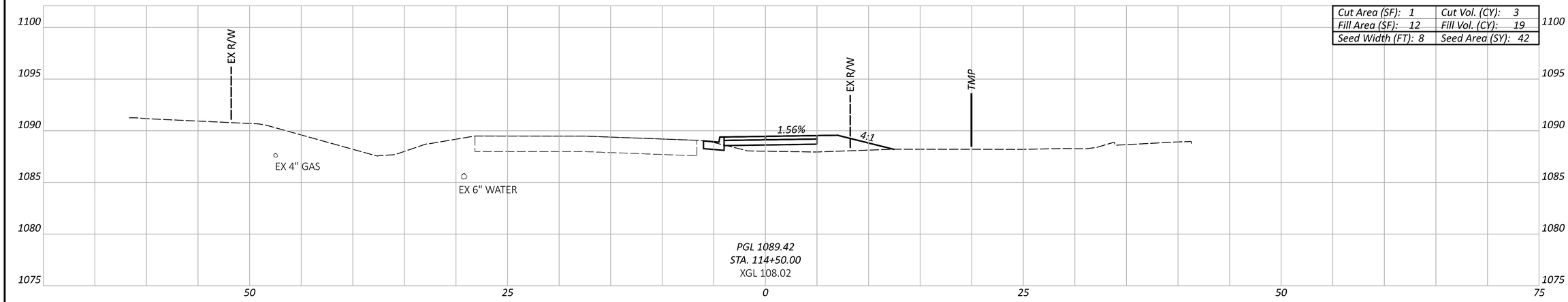
REVIEWER
HRB 12/13/24

PROJECT ID
115280

SHEET P.48 TOTAL 111

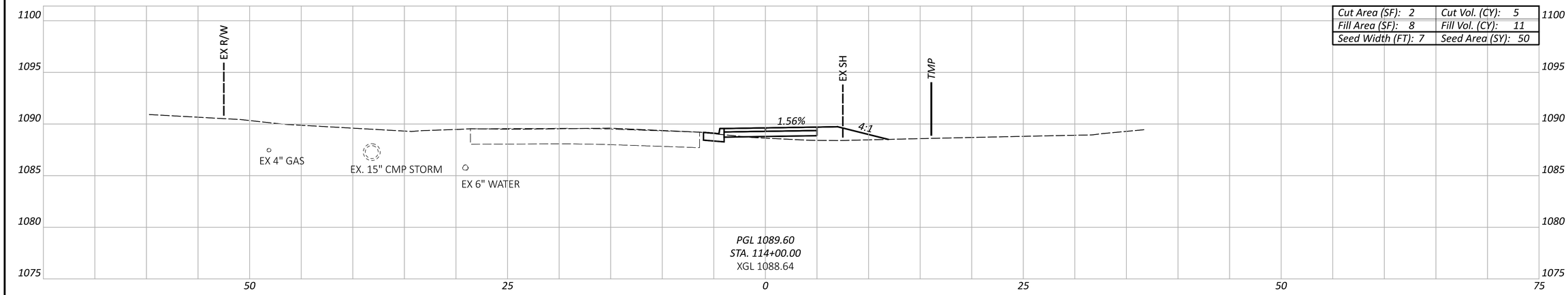
KNO-CR5-0.47

MODEL: CLP_MANSFIELD_PATH - 112+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:16 AM USER: jtheuring
J:\2022\187\ODOT\115280\400-Engineering\Roadway\Sheets\115280_XS001.dgn



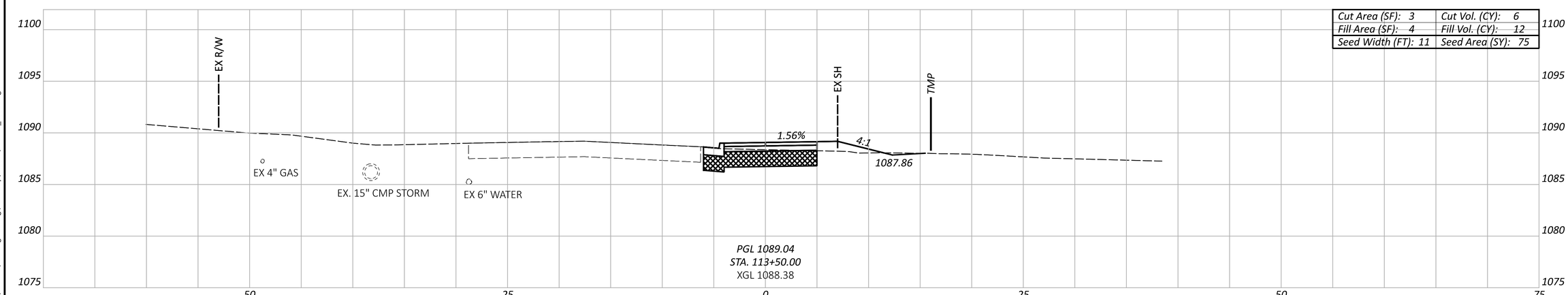
Cut Area (SF): 1	Cut Vol. (CY): 3
Fill Area (SF): 12	Fill Vol. (CY): 19
Seed Width (FT): 8	Seed Area (SY): 42

PGL 1089.42
STA. 114+50.00
XGL 108.02



Cut Area (SF): 2	Cut Vol. (CY): 5
Fill Area (SF): 8	Fill Vol. (CY): 11
Seed Width (FT): 7	Seed Area (SY): 50

PGL 1089.60
STA. 114+00.00
XGL 1088.64



Cut Area (SF): 3	Cut Vol. (CY): 6
Fill Area (SF): 4	Fill Vol. (CY): 12
Seed Width (FT): 11	Seed Area (SY): 75

PGL 1089.04
STA. 113+50.00
XGL 1088.38

- EXCAVATION OF SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
167	13	42

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

DESIGN AGENCY
EMH&T

DESIGNER
SJS

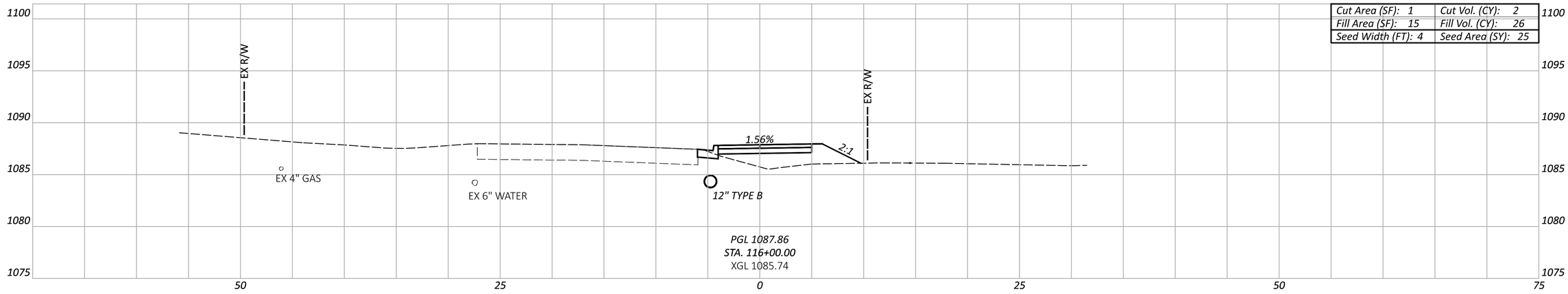
REVIEWER
HRB 12/13/24

PROJECT ID
115280

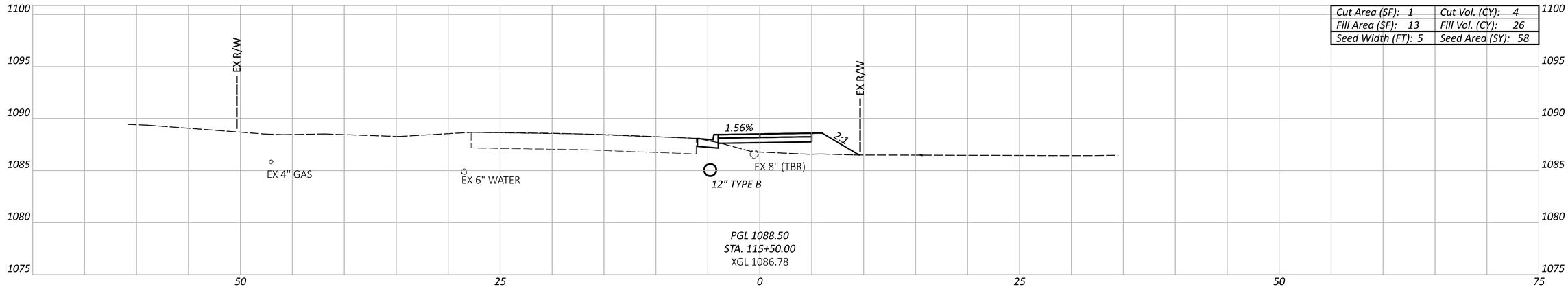
SHEET P.49 TOTAL 111

KNO-CR5-0.47

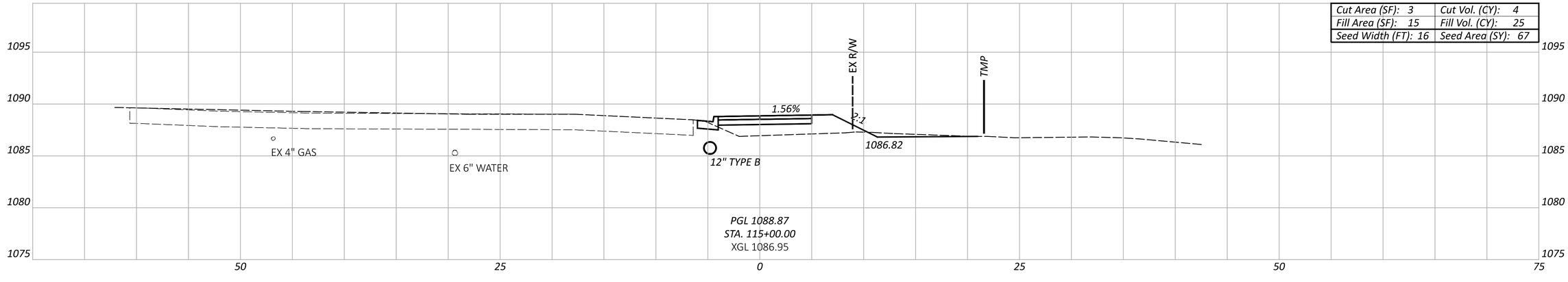
MODEL: CLP_MANSFIELD_PATH - 113+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:18 AM USER: jtheuring
J:\20220187\ODOT\115280\400-Engineering\Roadway\Sheets\115280_XS001.dgn



Cut Area (SF): 1	Cut Vol. (CY): 2
Fill Area (SF): 15	Fill Vol. (CY): 26
Seed Width (FT): 4	Seed Area (SY): 25



Cut Area (SF): 1	Cut Vol. (CY): 4
Fill Area (SF): 13	Fill Vol. (CY): 26
Seed Width (FT): 5	Seed Area (SY): 58



Cut Area (SF): 3	Cut Vol. (CY): 4
Fill Area (SF): 15	Fill Vol. (CY): 25
Seed Width (FT): 16	Seed Area (SY): 67

- EXCAVATION OF SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
150	9	77

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

KNO-CR5-0.47

MODEL: CLP_MANSFIELD_PATH - 115+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:19 AM USER: jtheuring
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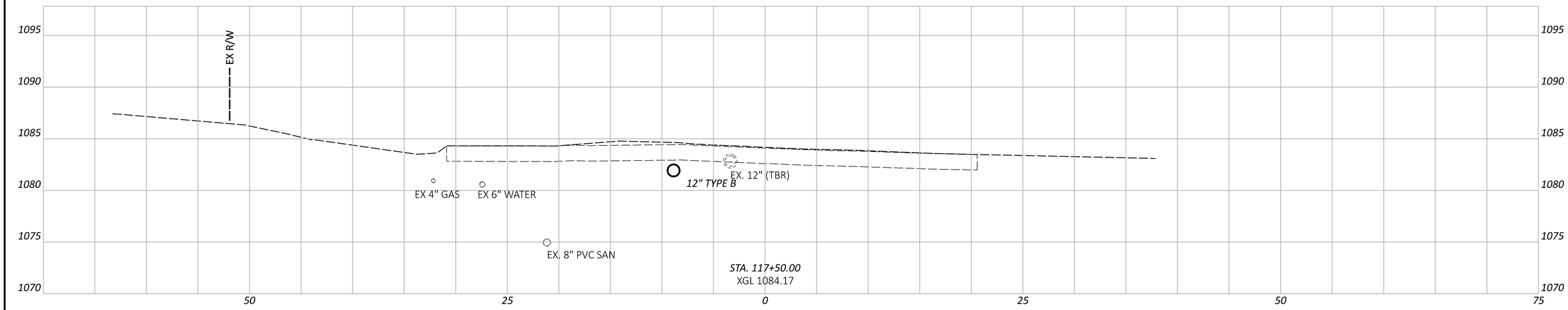
DESIGN AGENCY
EMH&T

DESIGNER
SJS

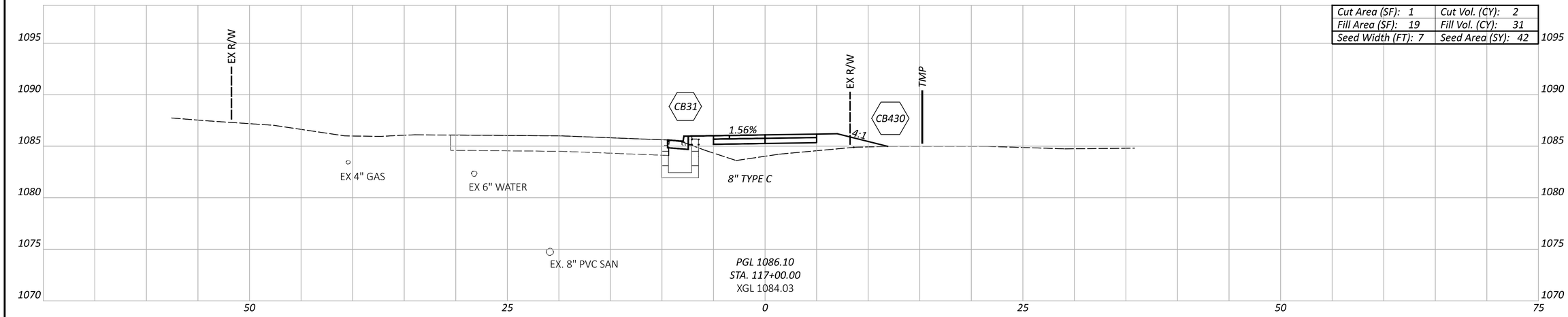
REVIEWER
HRB 12/13/24

PROJECT ID
115280

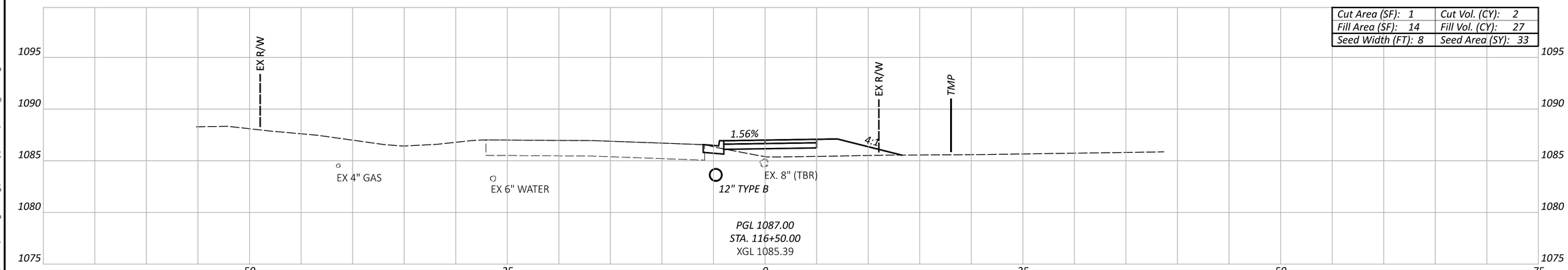
SHEET P.50 TOTAL 111



Cut Area (SF): 1	Cut Vol. (CY): 2
Fill Area (SF): 19	Fill Vol. (CY): 31
Seed Width (FT): 7	Seed Area (SY): 42



Cut Area (SF): 1	Cut Vol. (CY): 2
Fill Area (SF): 14	Fill Vol. (CY): 27
Seed Width (FT): 8	Seed Area (SY): 33



- EXCAVATION OF SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
94	5	75

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

DESIGN AGENCY: EMH&T

DESIGNER: SJS

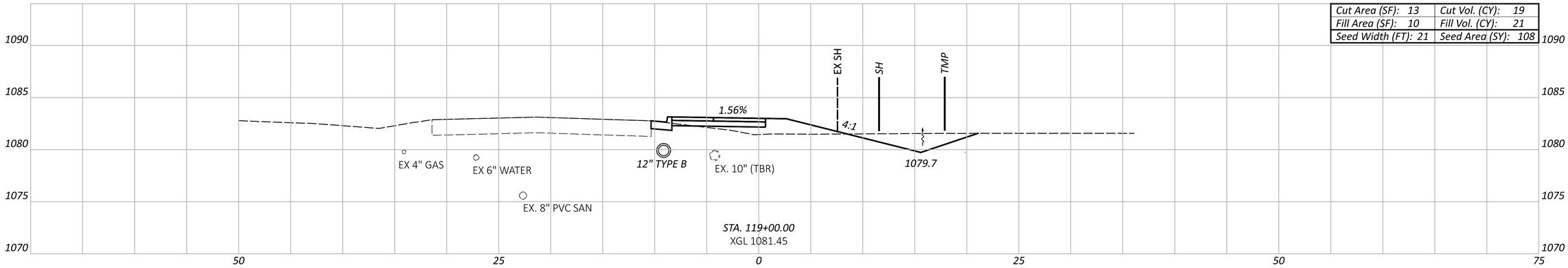
REVIEWER: HRB 12/13/24

PROJECT ID: 115280

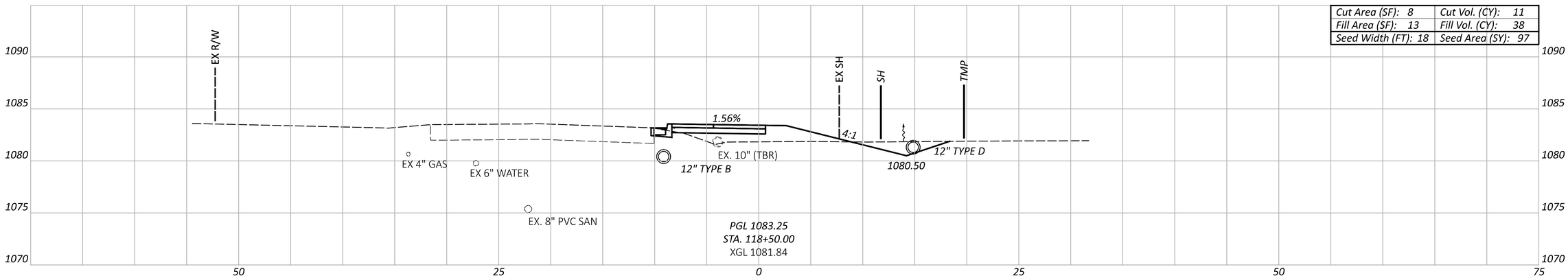
SHEET: P.51 TOTAL: 111

KNO-CR5-0.47

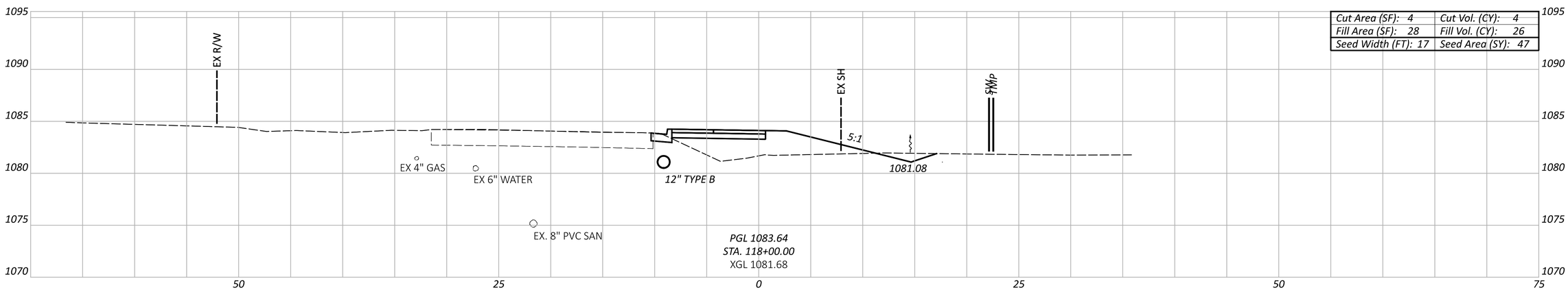
MODEL: CLP_MANSFIELD_PATH - 116+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:20 AM USER: jtheuring
J:\20220187\ODOT\115280\400-Engineering\Roadway\Sheets\115280_XS001.dgn



Cut Area (SF): 13	Cut Vol. (CY): 19
Fill Area (SF): 10	Fill Vol. (CY): 21
Seed Width (FT): 21	Seed Area (SY): 108



Cut Area (SF): 8	Cut Vol. (CY): 11
Fill Area (SF): 13	Fill Vol. (CY): 38
Seed Width (FT): 18	Seed Area (SY): 97



Cut Area (SF): 4	Cut Vol. (CY): 4
Fill Area (SF): 28	Fill Vol. (CY): 26
Seed Width (FT): 17	Seed Area (SY): 47

- EXCAVATION OF SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
253	~~34~~	~~85~~

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

DESIGN AGENCY
EMH&T

DESIGNER
SJS

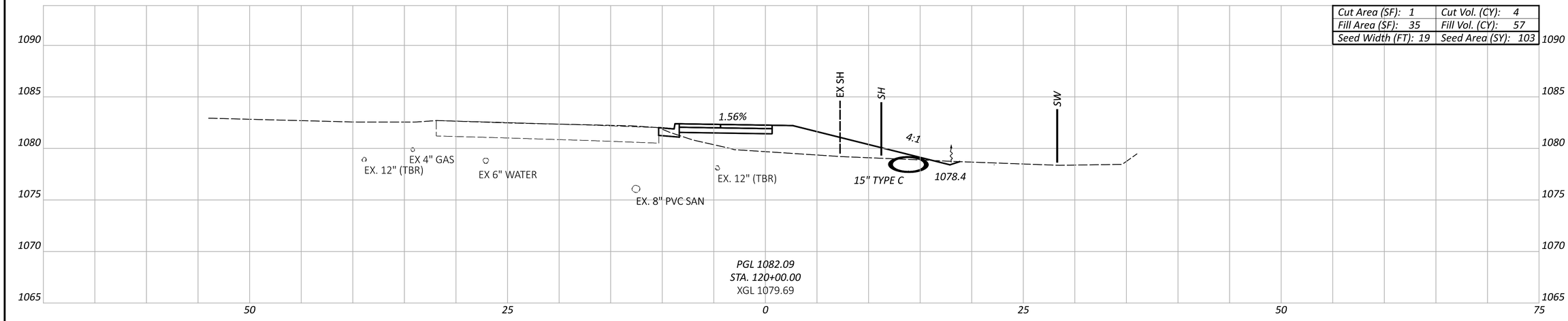
REVIEWER
HRB 12/13/24

PROJECT ID
115280

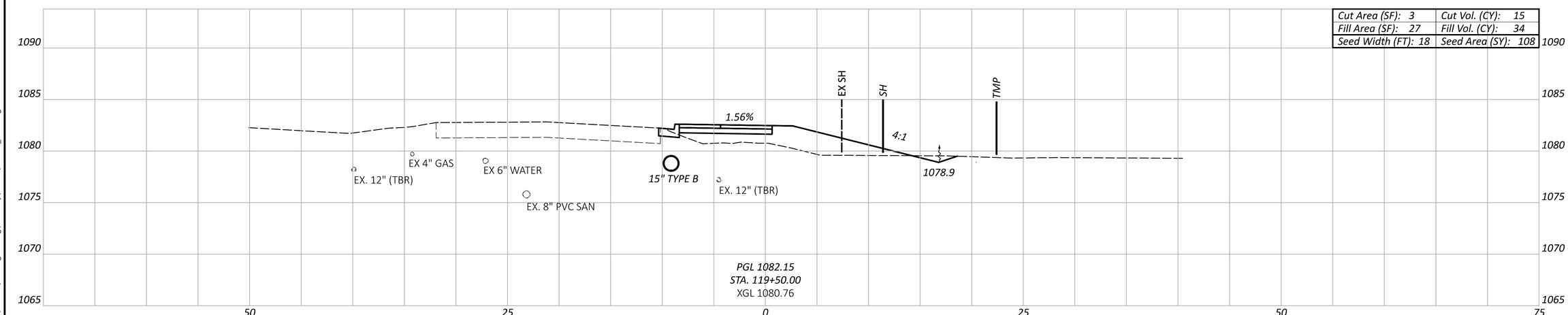
SHEET P.52 TOTAL 111

KNO-CR5-0.47

MODEL: CLP_MANSFIELD_PATH - 118+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:21 AM USER: jtheuring
J:\20220187\ODOT\115280\400-Engineering\Roadway\Sheets\115280_XS001.dgn



Cut Area (SF): 1	Cut Vol. (CY): 4
Fill Area (SF): 35	Fill Vol. (CY): 57
Seed Width (FT): 19	Seed Area (SY): 103



Cut Area (SF): 3	Cut Vol. (CY): 15
Fill Area (SF): 27	Fill Vol. (CY): 34
Seed Width (FT): 18	Seed Area (SY): 108

- EXCAVATION OF SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
211	19	92

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

DESIGN AGENCY: EMH&T

DESIGNER: SJS

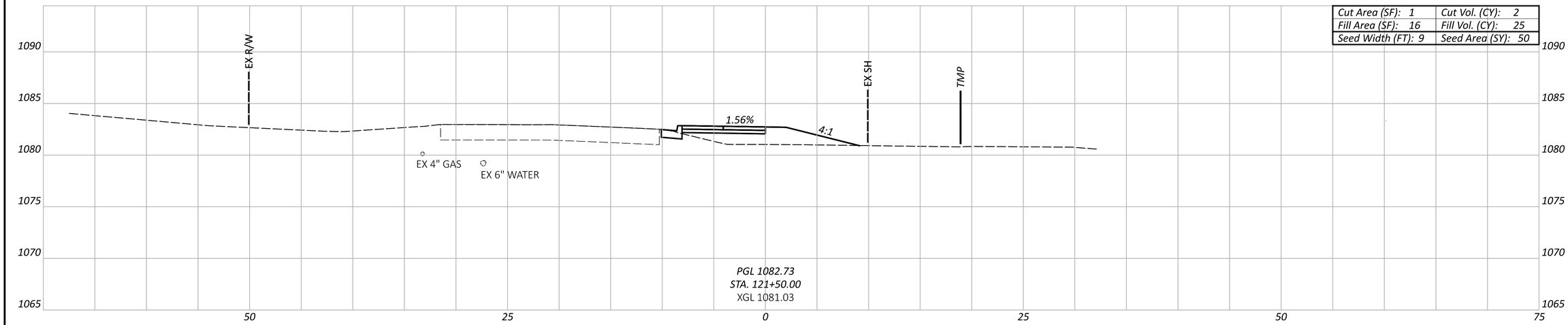
REVIEWER: HRB 12/13/24

PROJECT ID: 115280

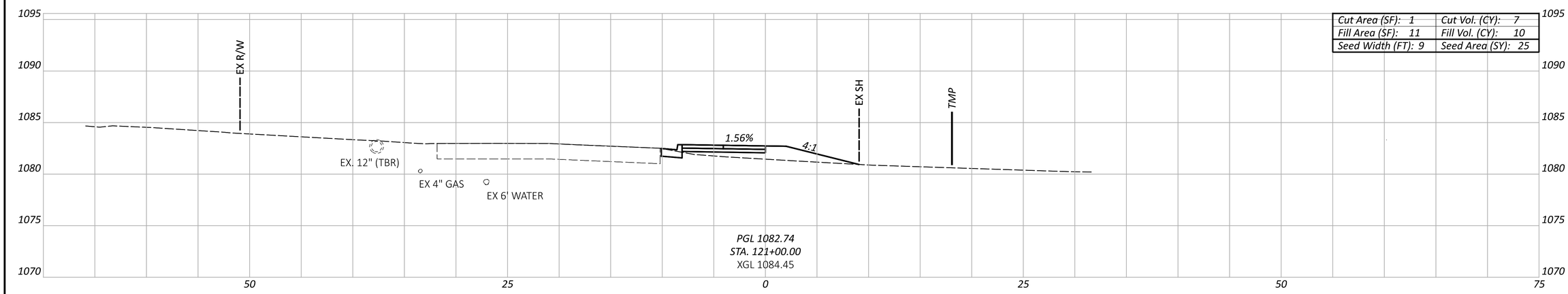
SHEET: P.53 TOTAL: 111

KNO-CR5-0.47

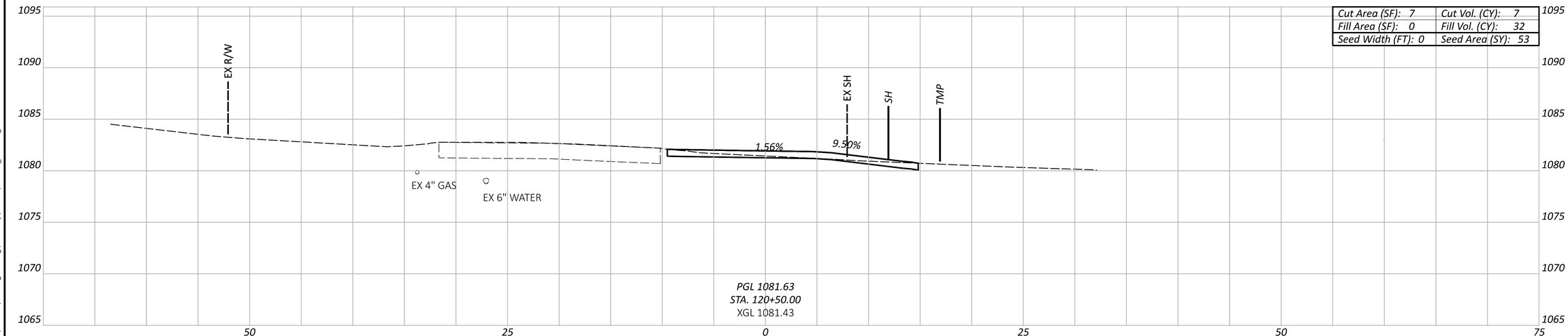
MODEL: CLP_MANSFIELD_PATH - 119+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:22 AM USER: jtheuring
J:\20220187\ODOT\115280\400-Engineering\Roadway\Sheets\115280_XS001.dgn



Cut Area (SF): 1	Cut Vol. (CY): 2
Fill Area (SF): 16	Fill Vol. (CY): 25
Seed Width (FT): 9	Seed Area (SY): 50



Cut Area (SF): 1	Cut Vol. (CY): 7
Fill Area (SF): 11	Fill Vol. (CY): 10
Seed Width (FT): 9	Seed Area (SY): 25



Cut Area (SF): 7	Cut Vol. (CY): 7
Fill Area (SF): 0	Fill Vol. (CY): 32
Seed Width (FT): 0	Seed Area (SY): 53

- EXCAVATION OF SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
128	17	68

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

DESIGN AGENCY: EMH&T

DESIGNER: SJS

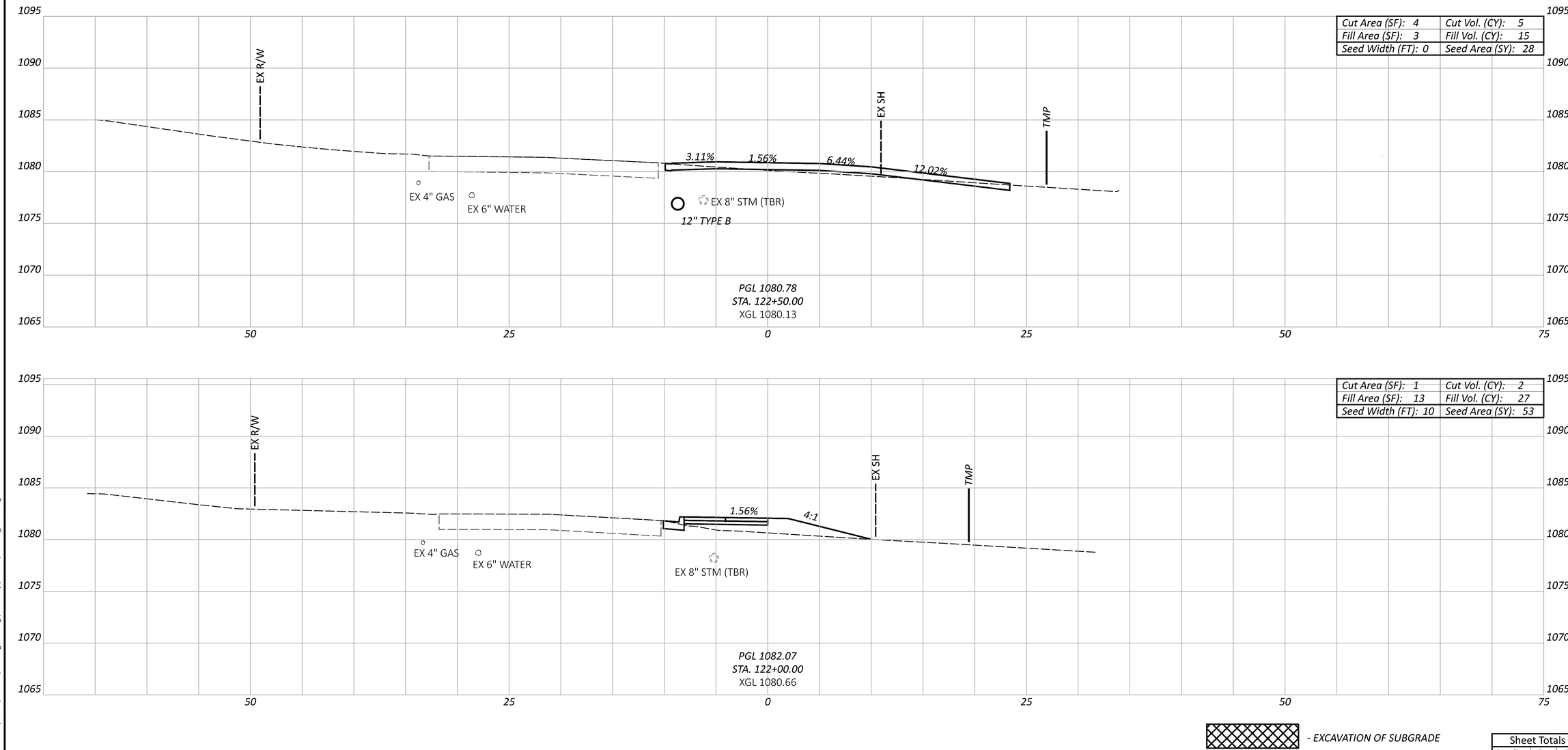
REVIEWER: HRB 12/13/24

PROJECT ID: 115280

SHEET: P.54 TOTAL: 111

KNO-CR5-0.47

MODEL: CLP_MANSFIELD_PATH - 120+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:23 AM USER: jtheuring
J:\2022\0187\ODOT\115280\400-Engineering\Roadway\Sheets\115280_XS001.dgn



CROSS SECTION
MANSFIELD AVE SHARED USE PATH

KNO-CR5-0.47

MODEL: CLP_MANSFIELD_PATH - 122+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:24 AM USER: jtheuring
J:\20220187\ODOT\115280\400-Engineering\Roadway\Sheets\115280_XS001.dgn

Sheet Totals		
Seeding	Cut	Fill
81	6	42

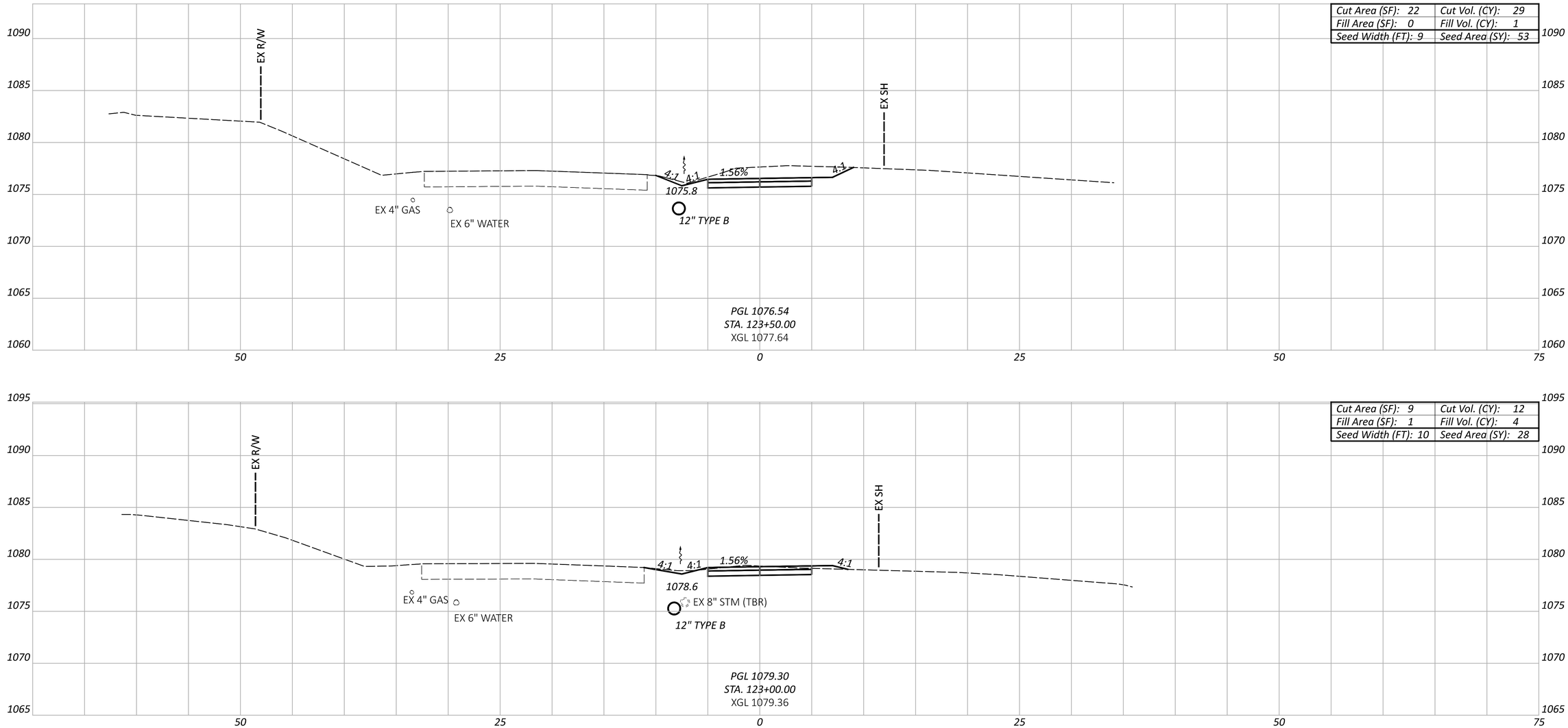
DESIGN AGENCY
EMH&T

DESIGNER
SJS

REVIEWER
HRB 12/13/24

PROJECT ID
115280

SHEET P.55 TOTAL 111



Cut Area (SF): 22	Cut Vol. (CY): 29
Fill Area (SF): 0	Fill Vol. (CY): 1
Seed Width (FT): 9	Seed Area (SY): 53

Cut Area (SF): 9	Cut Vol. (CY): 12
Fill Area (SF): 1	Fill Vol. (CY): 4
Seed Width (FT): 10	Seed Area (SY): 28

▨ - EXCAVATION OF SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
81	41	5

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

DESIGN AGENCY: EMH&T

DESIGNER: SJS

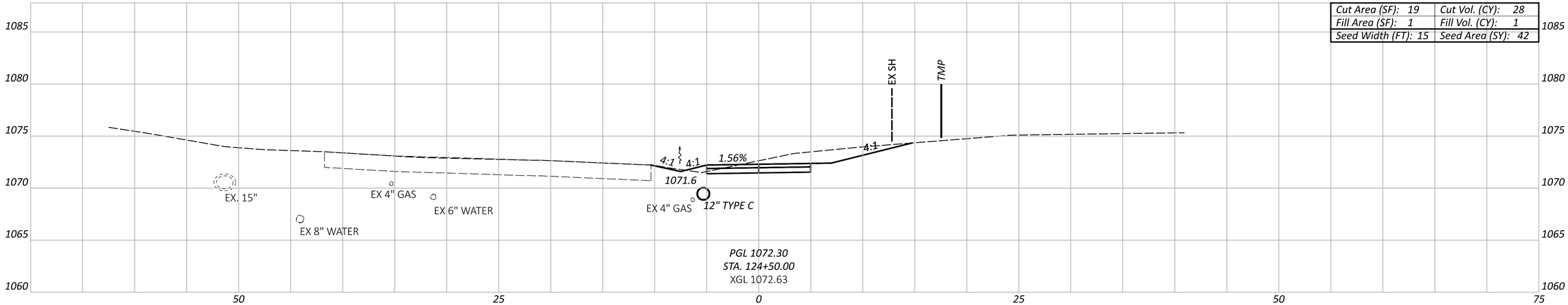
REVIEWER: HRB 12/13/24

PROJECT ID: 115280

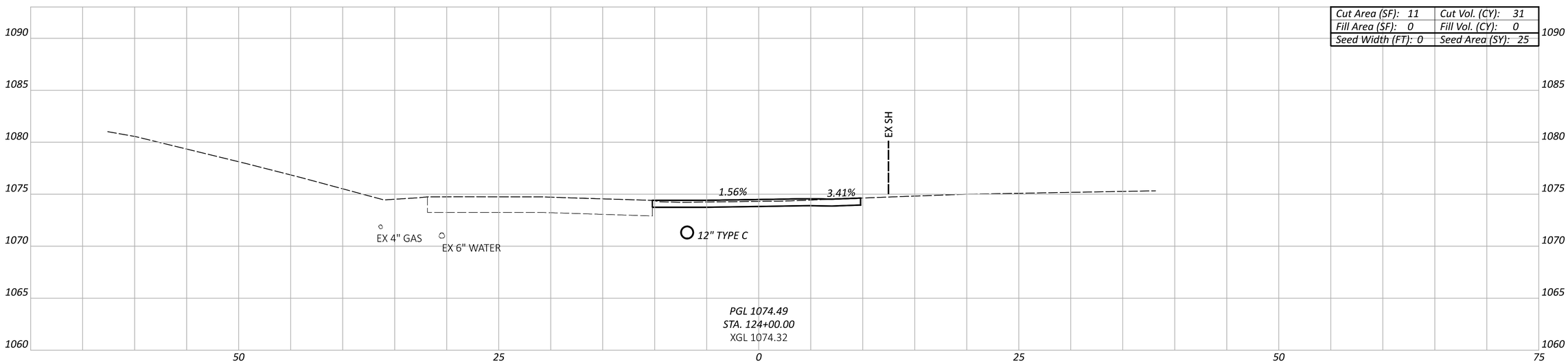
SHEET: P.56 TOTAL: 111

KNO-CR5-0.47

MODEL: CLP_MANSFIELD_PATH - 123+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:25 AM USER: jtheuring
J:\2022\0187\ODOT\115280\400-Engineering\Roadway\Sheets\115280_XS001.dgn



Cut Area (SF): 19	Cut Vol. (CY): 28
Fill Area (SF): 1	Fill Vol. (CY): 1
Seed Width (FT): 15	Seed Area (SY): 42



Cut Area (SF): 11	Cut Vol. (CY): 31
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 0	Seed Area (SY): 25

- EXCAVATION OF SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
67	58	1

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

DESIGN AGENCY
EMH&T

DESIGNER
SJS

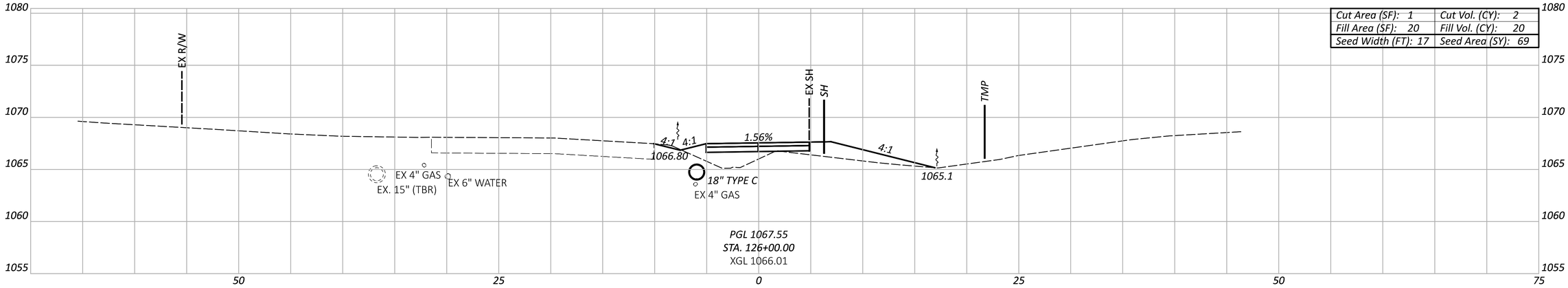
REVIEWER
HRB 12/13/24

PROJECT ID
115280

SHEET P.57 TOTAL 111

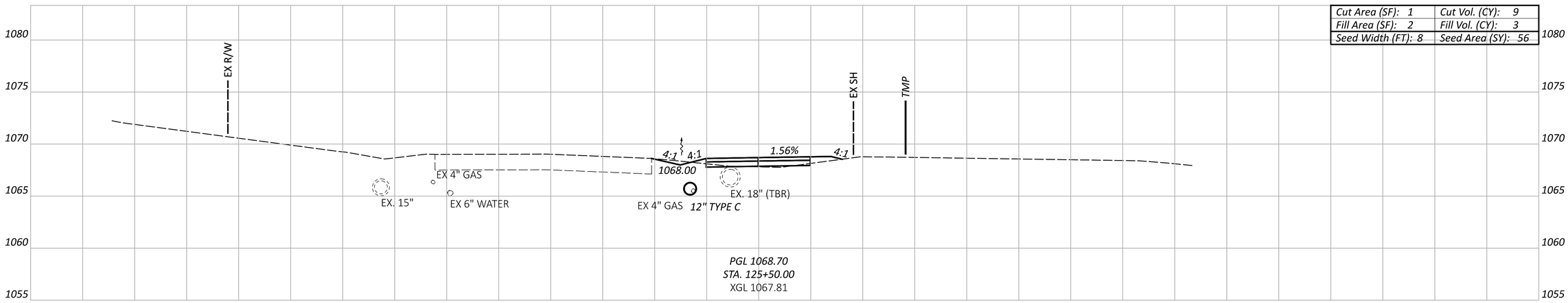
KNO-CR5-0.47

MODEL: CLP_MANSFIELD_PATH - 124+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:26 AM USER: jtheuring
J:\2022\187\ODOT\115280\400-Engineering\Roadway\Sheets\115280_XS001.dgn



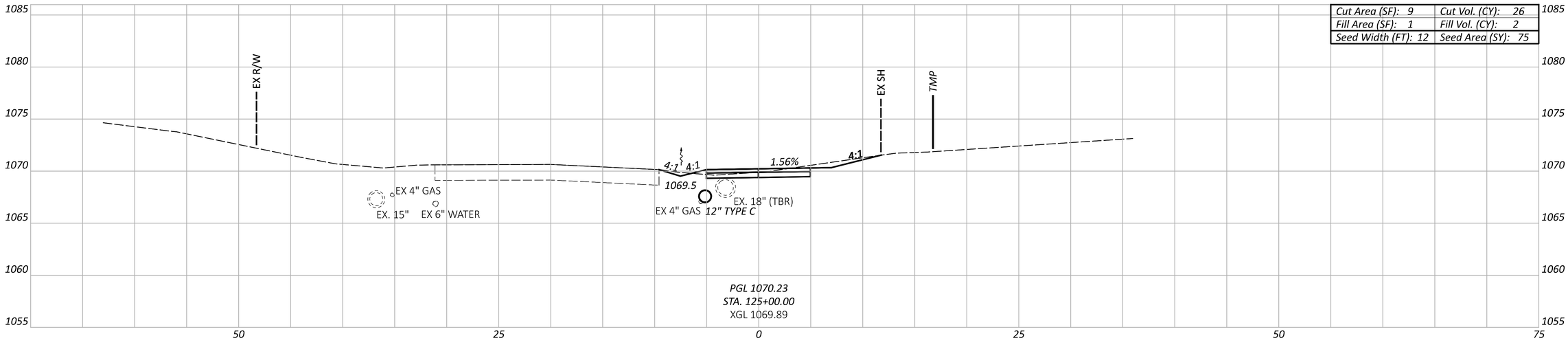
Cut Area (SF): 1	Cut Vol. (CY): 2
Fill Area (SF): 20	Fill Vol. (CY): 20
Seed Width (FT): 17	Seed Area (SY): 69

PGL 1067.55
STA. 126+00.00
XGL 1066.01



Cut Area (SF): 1	Cut Vol. (CY): 9
Fill Area (SF): 2	Fill Vol. (CY): 3
Seed Width (FT): 8	Seed Area (SY): 56

PGL 1068.70
STA. 125+50.00
XGL 1067.81



Cut Area (SF): 9	Cut Vol. (CY): 26
Fill Area (SF): 1	Fill Vol. (CY): 2
Seed Width (FT): 12	Seed Area (SY): 75

PGL 1070.23
STA. 125+00.00
XGL 1069.89

- EXCAVATION OF SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
200	37	25

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

DESIGN AGENCY
EMH&T

DESIGNER
SJS

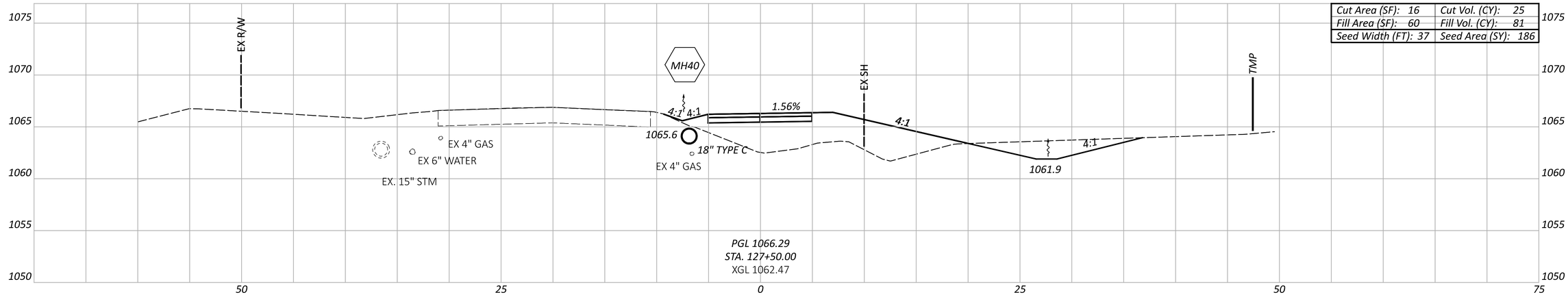
REVIEWER
HRB 12/13/24

PROJECT ID
115280

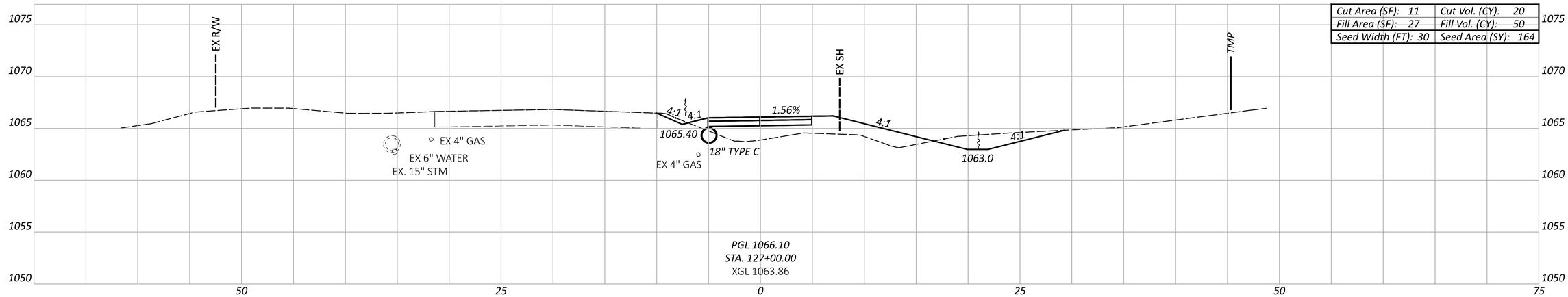
SHEET P.58 TOTAL 111

KNO-CR5-0.47

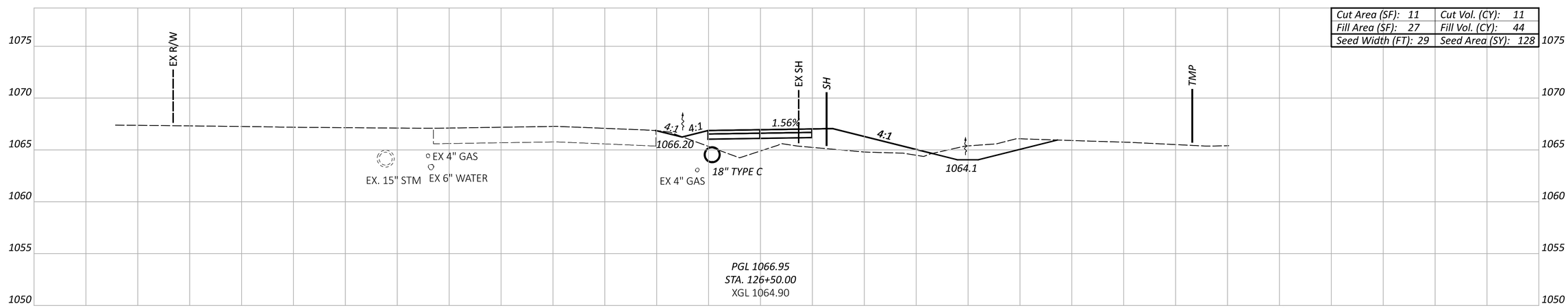
MODEL: CLP_MANSFIELD_PATH - 125+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:27 AM USER: jtheuring
J:\2022\0187\ODOT\115280\400-Engineering\Roadway\Sheets\115280_XS001.dgn



Cut Area (SF): 16	Cut Vol. (CY): 25
Fill Area (SF): 60	Fill Vol. (CY): 81
Seed Width (FT): 37	Seed Area (SY): 186



Cut Area (SF): 11	Cut Vol. (CY): 20
Fill Area (SF): 27	Fill Vol. (CY): 50
Seed Width (FT): 30	Seed Area (SY): 164



Cut Area (SF): 11	Cut Vol. (CY): 11
Fill Area (SF): 27	Fill Vol. (CY): 44
Seed Width (FT): 29	Seed Area (SY): 128

- EXCAVATION OF SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
478	56	174

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

DESIGN AGENCY: EMH&T

DESIGNER: SJS

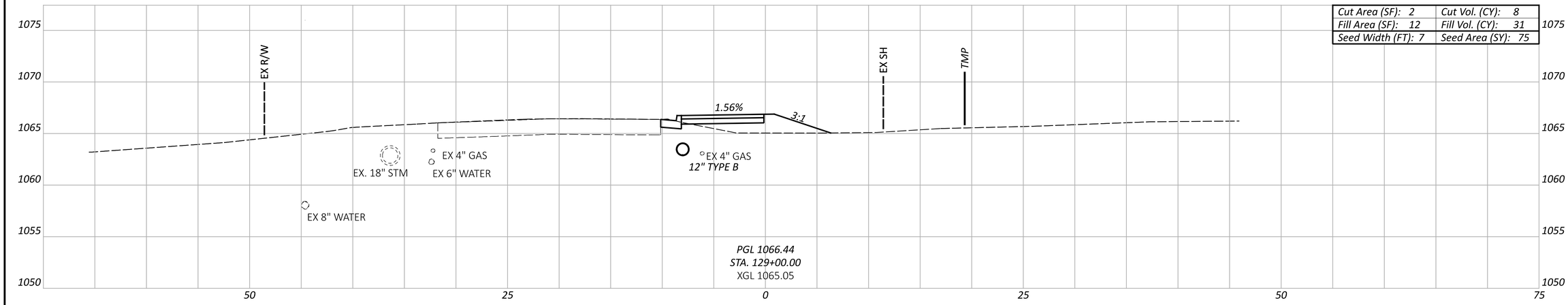
REVIEWER: HRB 12/13/24

PROJECT ID: 115280

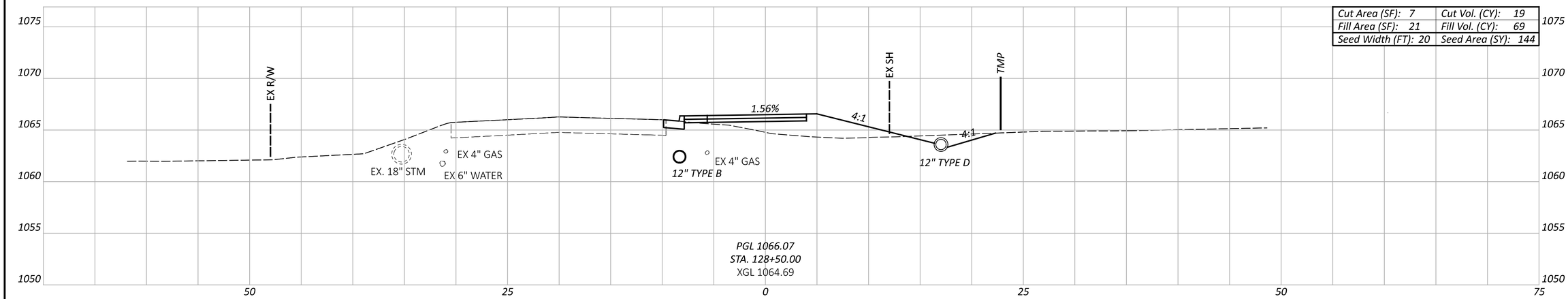
SHEET: P.59 TOTAL: 111

KNO-CR5-0.47

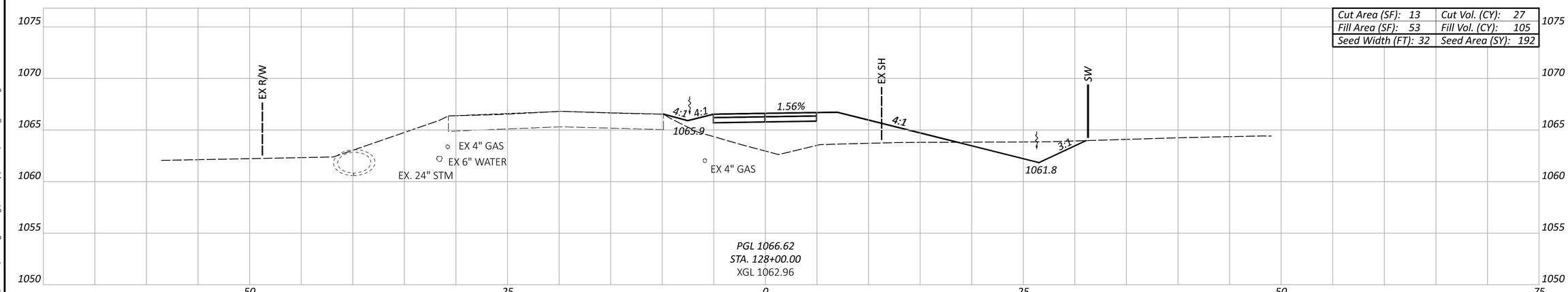
MODEL: CLP_MANSFIELD_PATH - 126+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:28 AM USER: jtheuring
J:\2022018?\ODOT\115280\400-Engineering\Roadway\Sheets\115280_XS001.dgn



Cut Area (SF): 2	Cut Vol. (CY): 8
Fill Area (SF): 12	Fill Vol. (CY): 31
Seed Width (FT): 7	Seed Area (SY): 75



Cut Area (SF): 7	Cut Vol. (CY): 19
Fill Area (SF): 21	Fill Vol. (CY): 69
Seed Width (FT): 20	Seed Area (SY): 144



Cut Area (SF): 13	Cut Vol. (CY): 27
Fill Area (SF): 53	Fill Vol. (CY): 105
Seed Width (FT): 32	Seed Area (SY): 192

- EXCAVATION OF SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
411	54	204

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

DESIGN AGENCY: EMH&T

DESIGNER: SJS

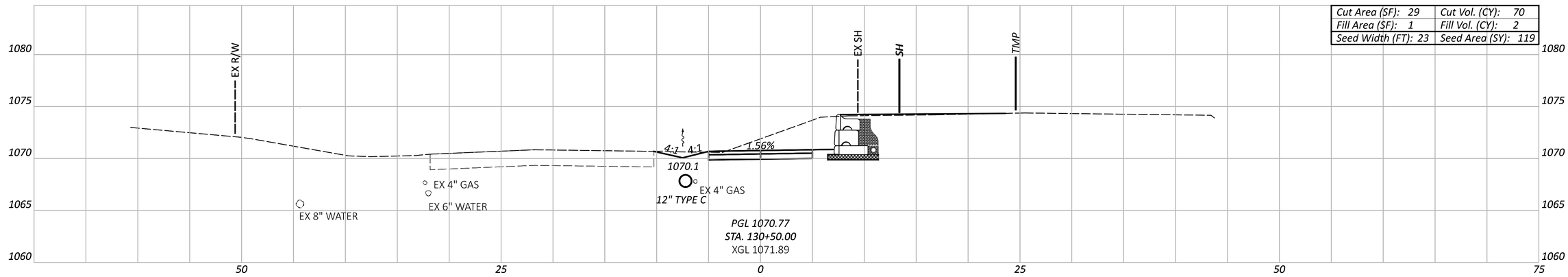
REVIEWER: HRB 12/13/24

PROJECT ID: 115280

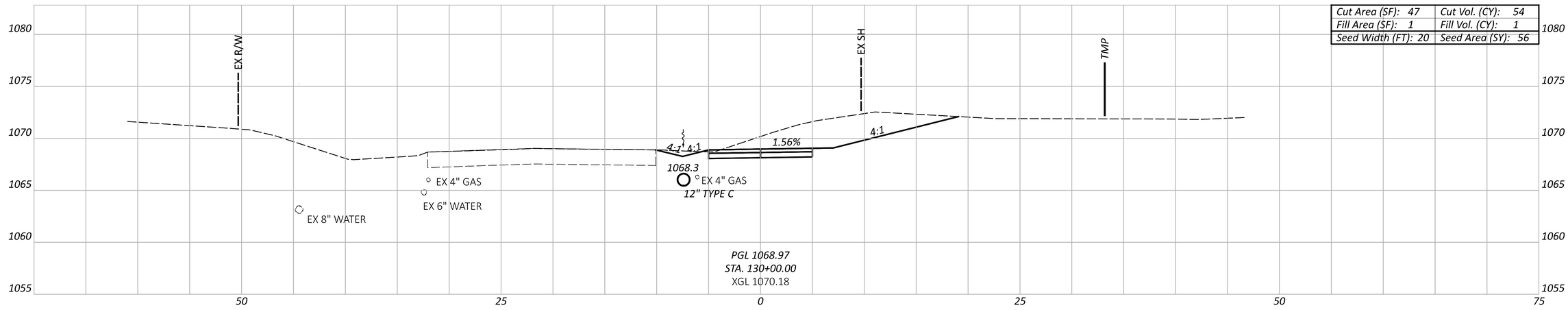
SHEET: P.60 TOTAL: 111

KNO-CR5-0.47

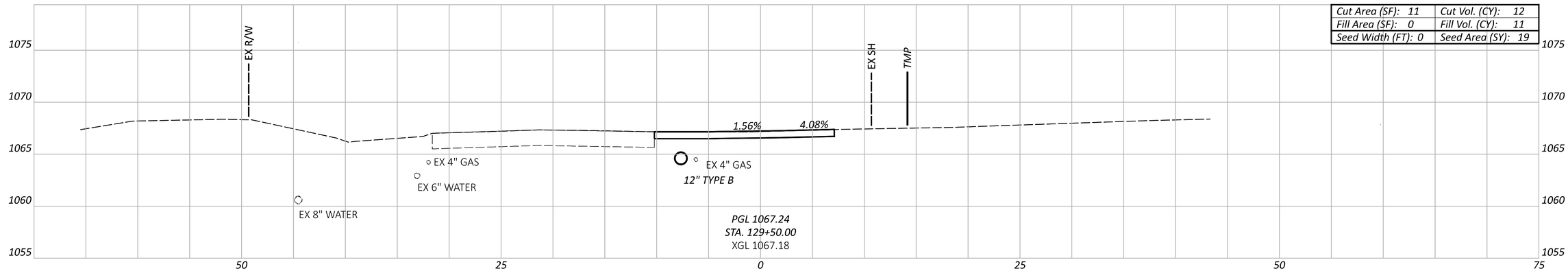
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J:\2022\0187\ODOT\115280\400-Engineering\Roadway\Sheets\115280_XS001.dgn



Cut Area (SF): 29	Cut Vol. (CY): 70
Fill Area (SF): 1	Fill Vol. (CY): 2
Seed Width (FT): 23	Seed Area (SY): 119



Cut Area (SF): 47	Cut Vol. (CY): 54
Fill Area (SF): 1	Fill Vol. (CY): 1
Seed Width (FT): 20	Seed Area (SY): 56



Cut Area (SF): 11	Cut Vol. (CY): 12
Fill Area (SF): 0	Fill Vol. (CY): 11
Seed Width (FT): 0	Seed Area (SY): 19

- EXCAVATION OF SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
194	136	14

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

DESIGN AGENCY
EMH&T

DESIGNER
SJS

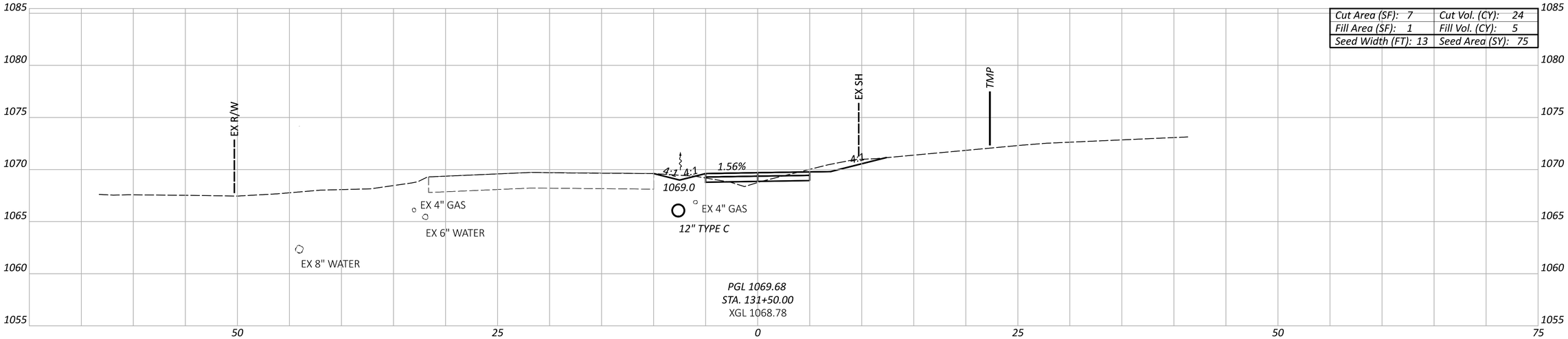
REVIEWER
HRB 12/13/24

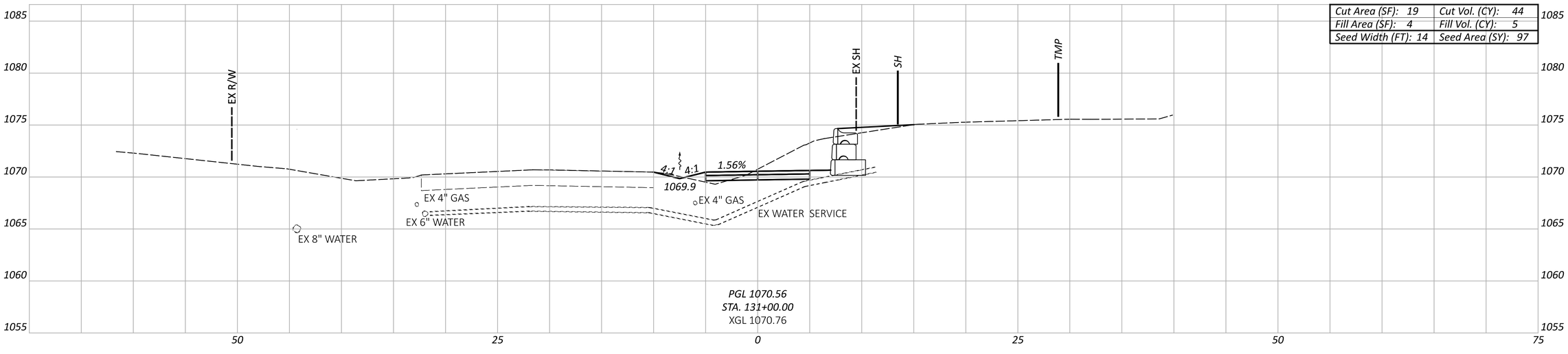
PROJECT ID
115280

SHEET P.61 TOTAL 111

KNO-CR5-0.47

MODEL: CLP_MANSFIELD_PATH - 129+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:30 AM USER: jtheuring
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- EXCAVATION OF SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
178	69	9

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

DESIGN AGENCY: EMH&T

DESIGNER: SJS

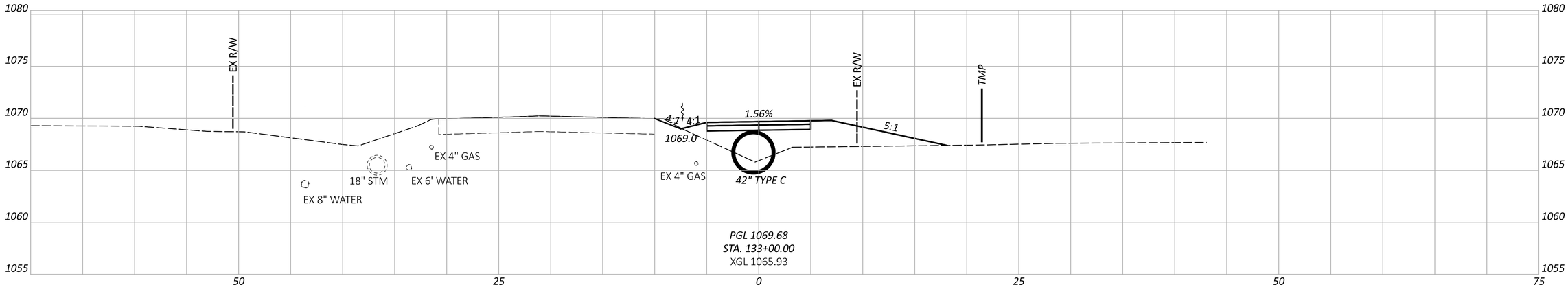
REVIEWER: HRB 12/13/24

PROJECT ID: 115280

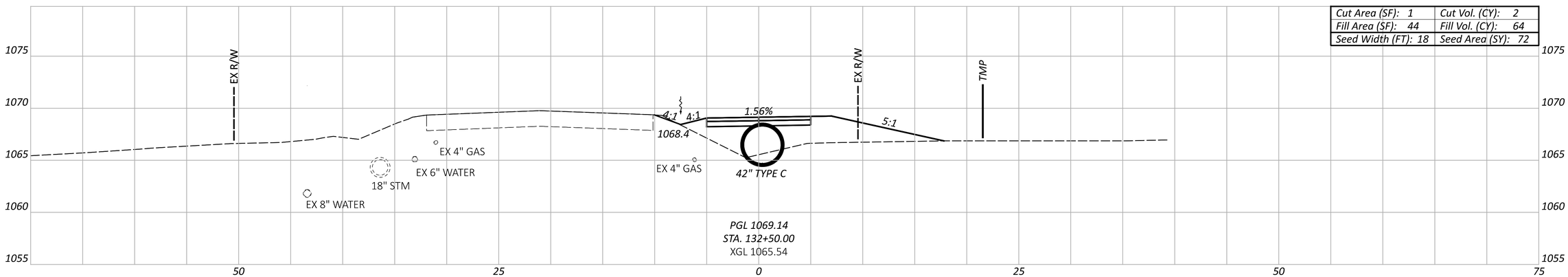
SHEET: P.62 TOTAL: 111

KNO-CR5-0.47

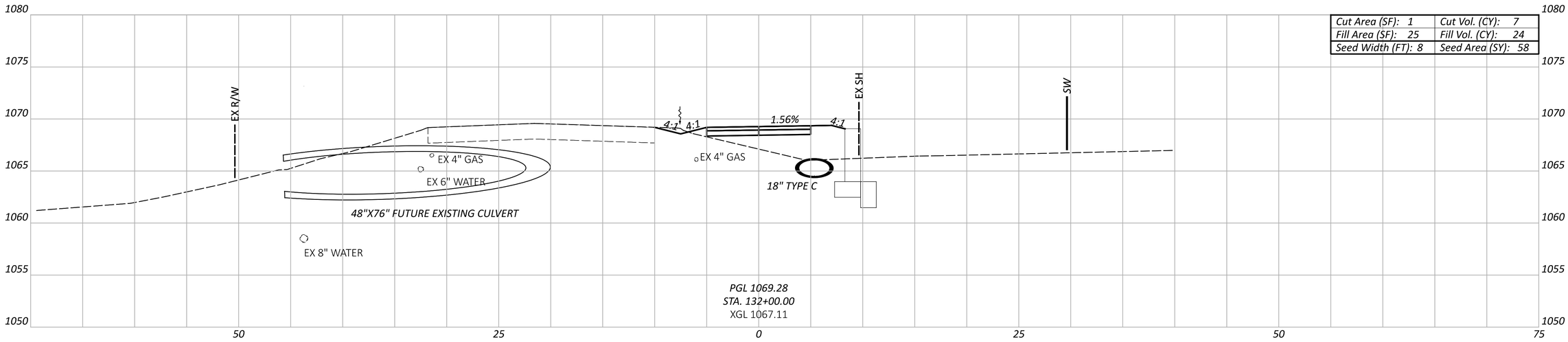
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J:\2022\0187\ODOT\115280\400-Engineering\Roadway\Sheets\115280_XS001.dgn



Cut Area (SF): 1	Cut Vol. (CY): 2
Fill Area (SF): 44	Fill Vol. (CY): 64
Seed Width (FT): 18	Seed Area (SY): 72



Cut Area (SF): 1	Cut Vol. (CY): 7
Fill Area (SF): 25	Fill Vol. (CY): 24
Seed Width (FT): 8	Seed Area (SY): 58



- EXCAVATION OF SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
233	1	168

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

DESIGN AGENCY: EMH&T

DESIGNER: SJS

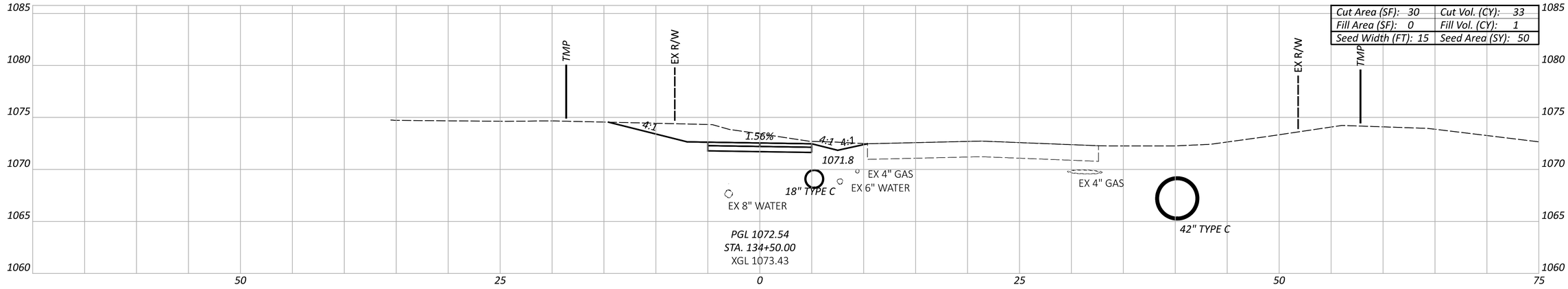
REVIEWER: HRB 12/13/24

PROJECT ID: 115280

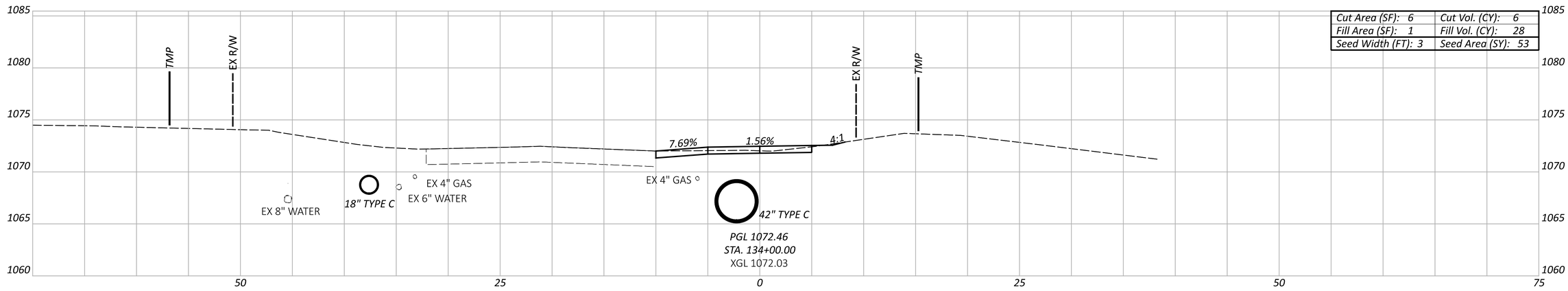
SHEET: P.63 TOTAL: 111

KNO-CR5-0.47

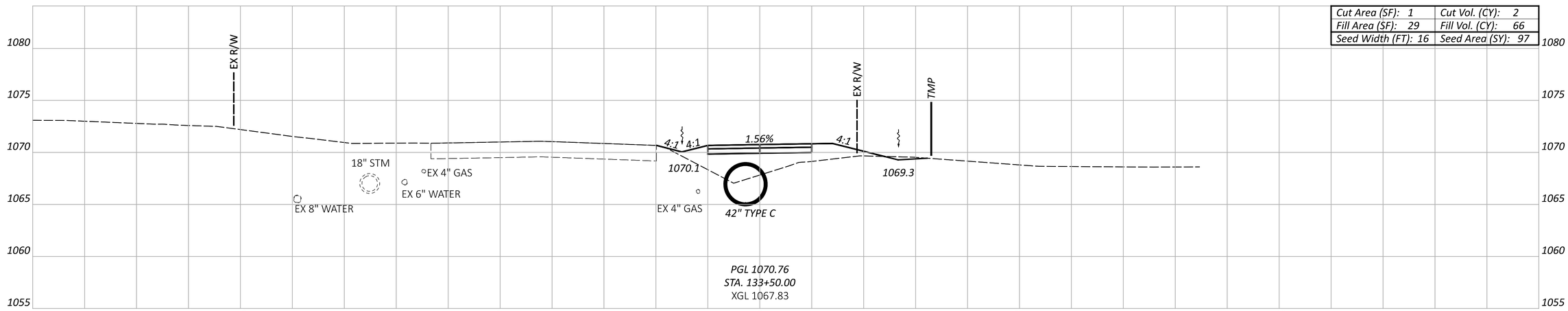
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J:\2022018\ODOT\115280\400-Engineering\Roadway\Sheets\115280_XS001.dgn



Cut Area (SF): 30	Cut Vol. (CY): 33
Fill Area (SF): 0	Fill Vol. (CY): 1
Seed Width (FT): 15	Seed Area (SY): 50



Cut Area (SF): 6	Cut Vol. (CY): 6
Fill Area (SF): 1	Fill Vol. (CY): 28
Seed Width (FT): 3	Seed Area (SY): 53



Cut Area (SF): 1	Cut Vol. (CY): 2
Fill Area (SF): 29	Fill Vol. (CY): 66
Seed Width (FT): 16	Seed Area (SY): 97

- EXCAVATION OF SUBGRADE

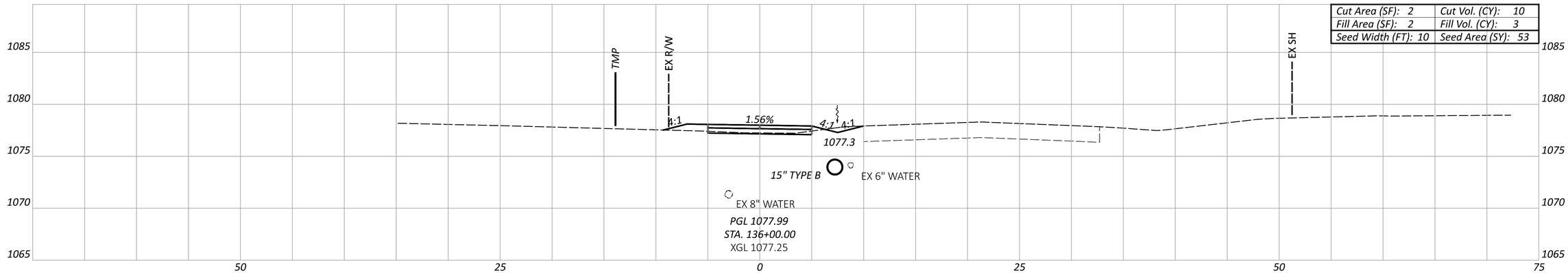
Sheet Totals		
Seeding	Cut	Fill
200	42	94

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

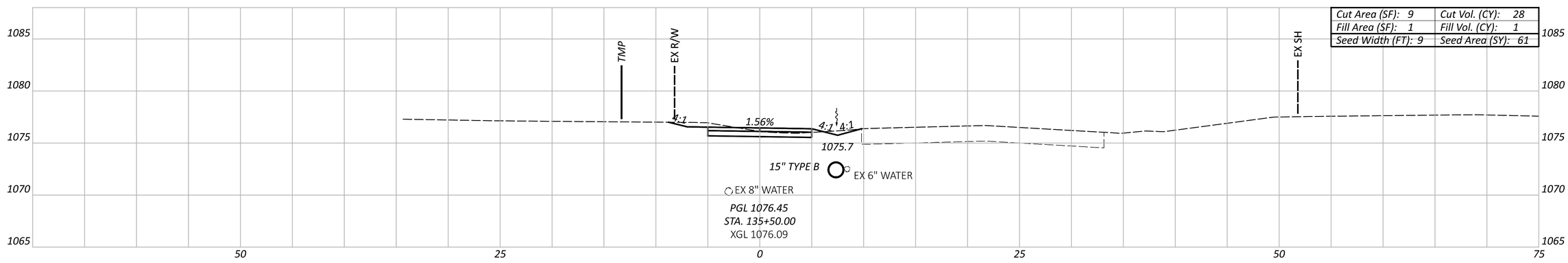
DESIGN AGENCY: EMH&T
DESIGNER: SJS
REVIEWER: HRB 12/13/24
PROJECT ID: 115280
SHEET: P.64
TOTAL: 111

KNO-CR5-0.47

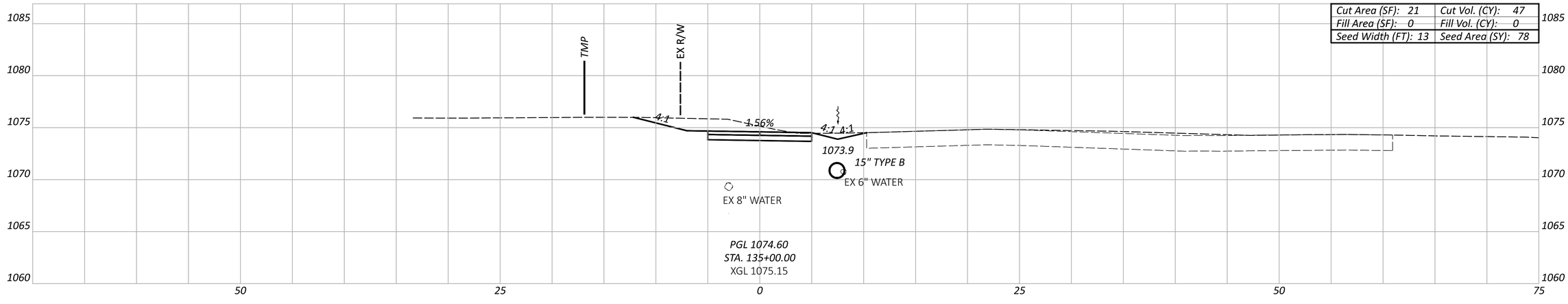
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J:\2022018\7\ODOT\115280\400-Engineering\Roadway\Sheets\115280_XS001.dgn



Cut Area (SF): 2	Cut Vol. (CY): 10
Fill Area (SF): 2	Fill Vol. (CY): 3
Seed Width (FT): 10	Seed Area (SY): 53



Cut Area (SF): 9	Cut Vol. (CY): 28
Fill Area (SF): 1	Fill Vol. (CY): 1
Seed Width (FT): 9	Seed Area (SY): 61



Cut Area (SF): 21	Cut Vol. (CY): 47
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 13	Seed Area (SY): 78

- EXCAVATION OF SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
192	85	4

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

DESIGN AGENCY: EMH&T

DESIGNER: SJS

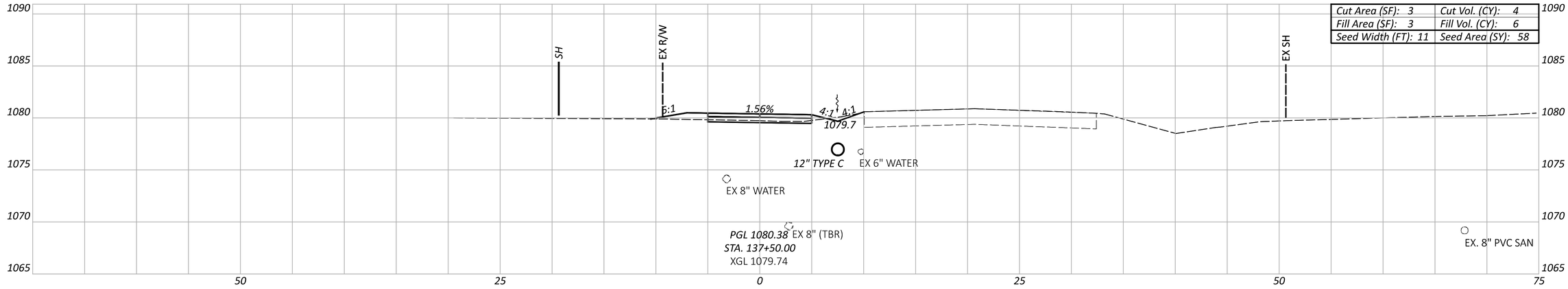
REVIEWER: HRB 12/13/24

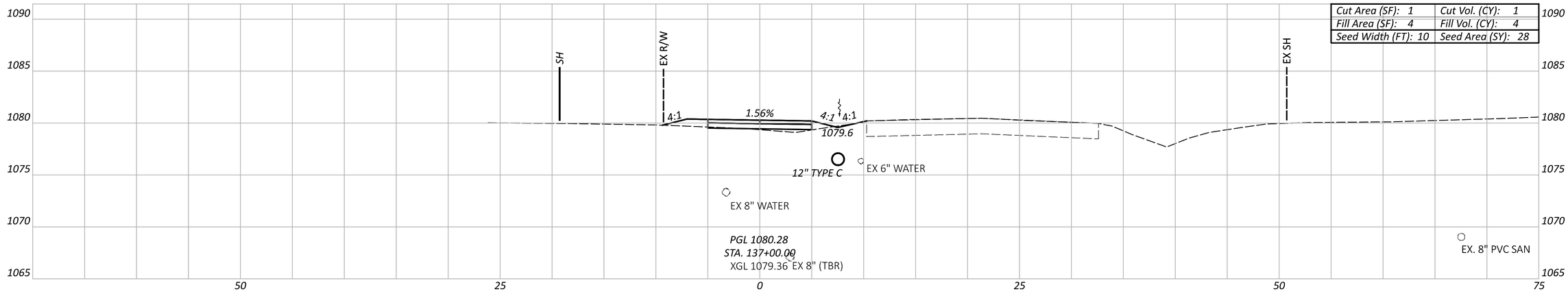
PROJECT ID: 115280

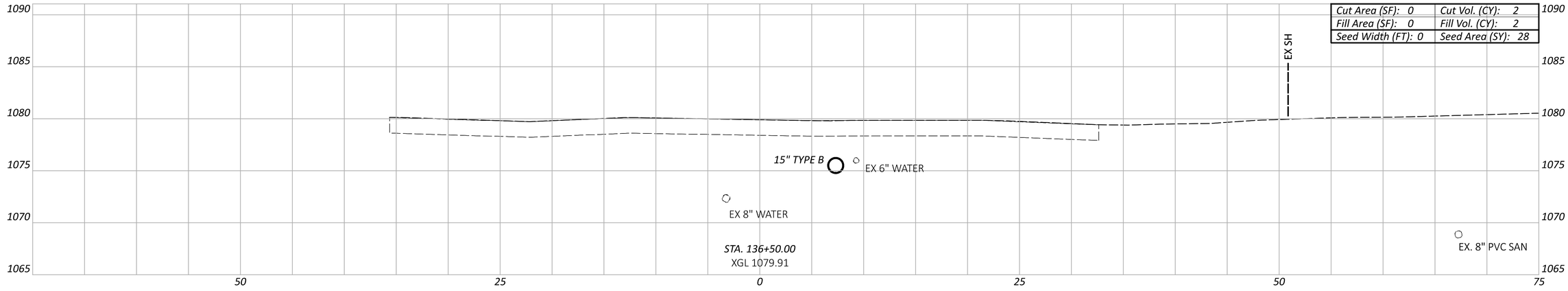
SHEET: P.65 | TOTAL: 111

KNO-CR5-0.47

MODEL: CLP_MANSFIELD_PATH - 135+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:34 AM USER: jtheuring
J:\2022018\7\ODOT\115280\400-Engineering\Roadway\Sheets\115280_XS001.dgn







- EXCAVATION OF SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
114	6	12

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

DESIGN AGENCY
EMH&T

DESIGNER
SJS

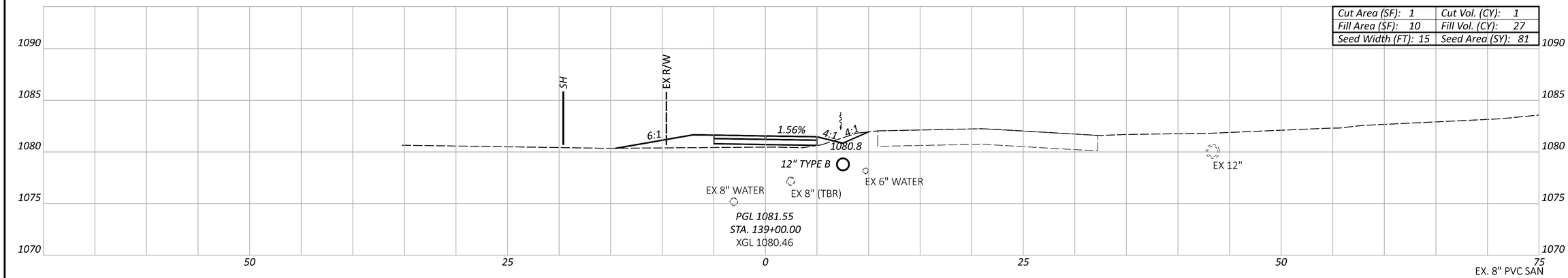
REVIEWER
HRB 12/13/24

PROJECT ID
115280

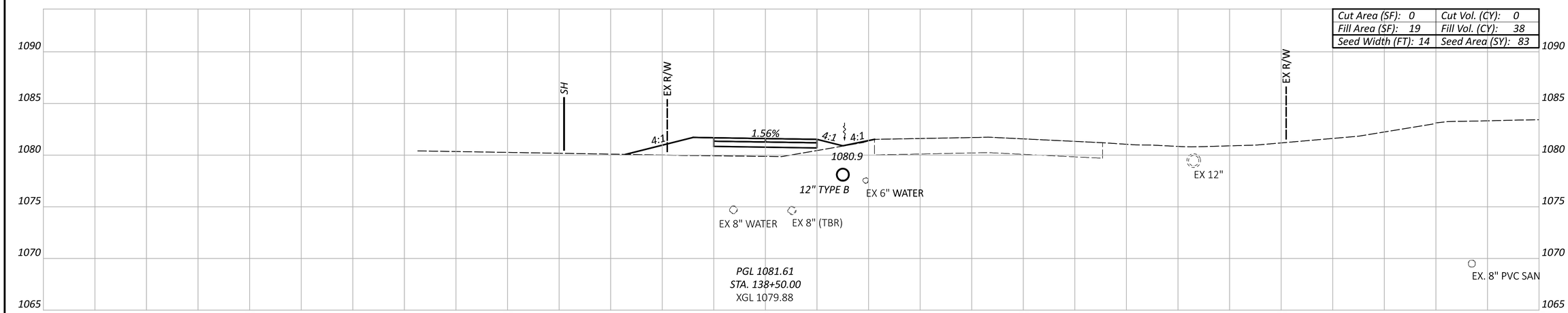
SHEET P.66 TOTAL 111

KNO-CR5-0.47

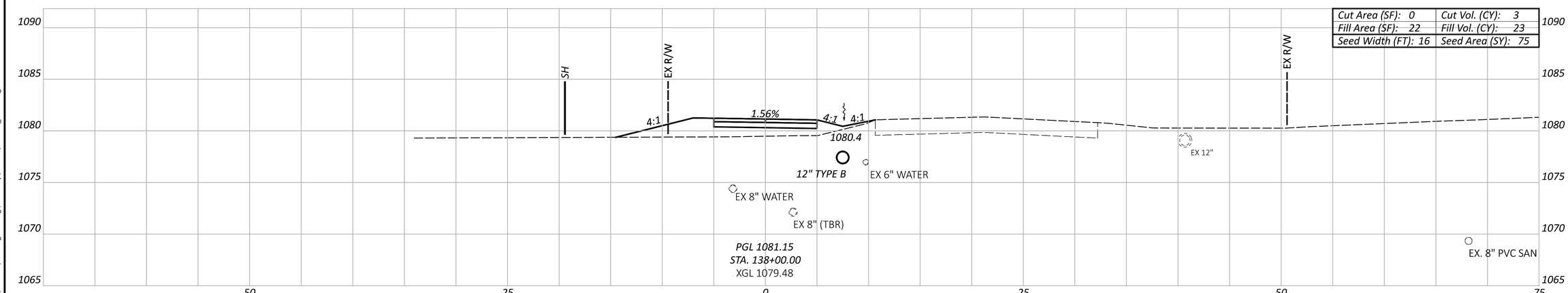
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J:\2022\187\ODOT\115280\400-Engineering\Roadway\Sheets\115280_XS001.dgn



Cut Area (SF): 1	Cut Vol. (CY): 1
Fill Area (SF): 10	Fill Vol. (CY): 27
Seed Width (FT): 15	Seed Area (SY): 81



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 19	Fill Vol. (CY): 38
Seed Width (FT): 14	Seed Area (SY): 83



Cut Area (SF): 0	Cut Vol. (CY): 3
Fill Area (SF): 22	Fill Vol. (CY): 23
Seed Width (FT): 16	Seed Area (SY): 75

- EXCAVATION OF SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
239	4	88

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

DESIGN AGENCY: EMH&T

DESIGNER: SJS

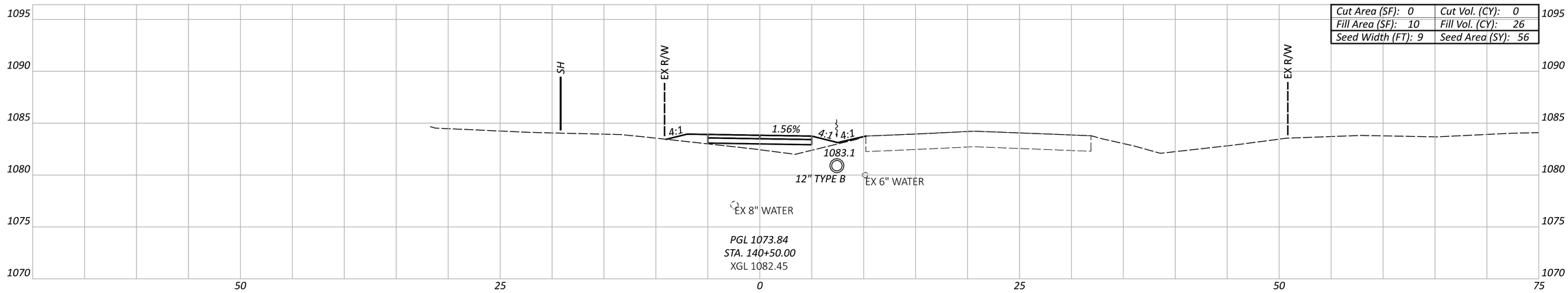
REVIEWER: HRB 12/13/24

PROJECT ID: 115280

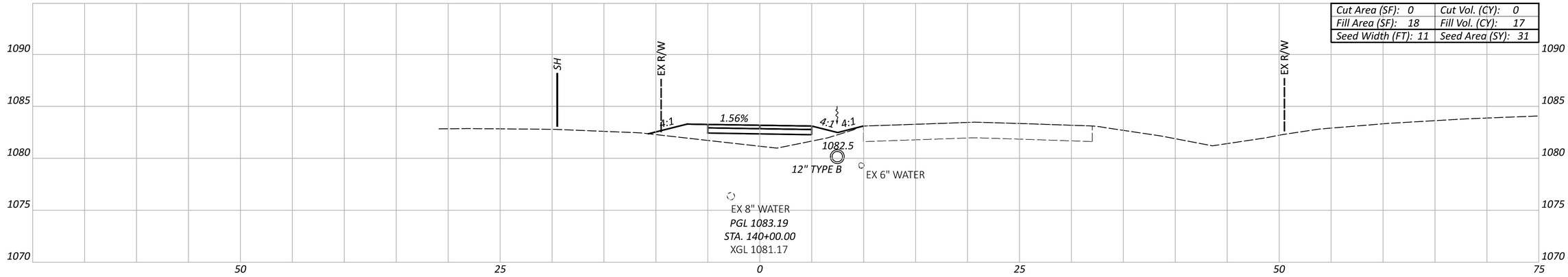
SHEET: P.67 TOTAL: 111

KNO-CR5-0.47

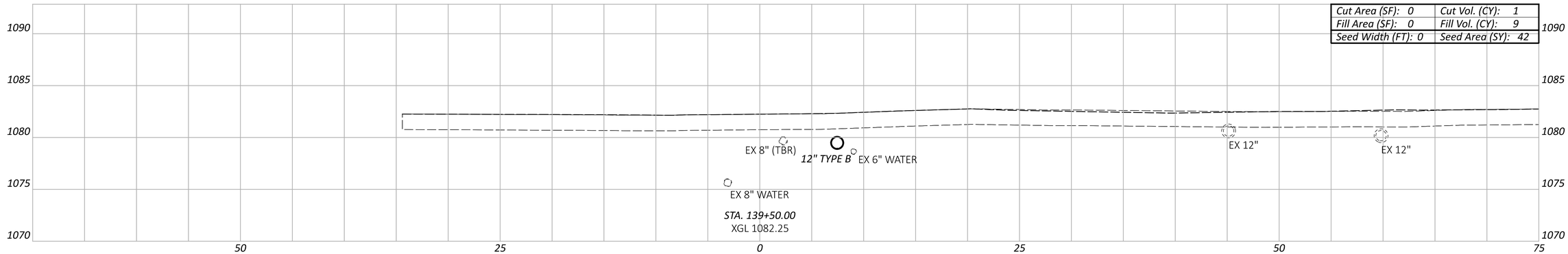
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J:\20220187\ODOT\115280\400-Engineering\Roadway\Sheets\115280_XS001.dgn



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 10	Fill Vol. (CY): 26
Seed Width (FT): 9	Seed Area (SY): 56



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 18	Fill Vol. (CY): 17
Seed Width (FT): 11	Seed Area (SY): 31



Cut Area (SF): 0	Cut Vol. (CY): 1
Fill Area (SF): 0	Fill Vol. (CY): 9
Seed Width (FT): 0	Seed Area (SY): 42

▨ - EXCAVATION OF SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
128	1	52

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

DESIGN AGENCY: EMH&T

DESIGNER: SJS

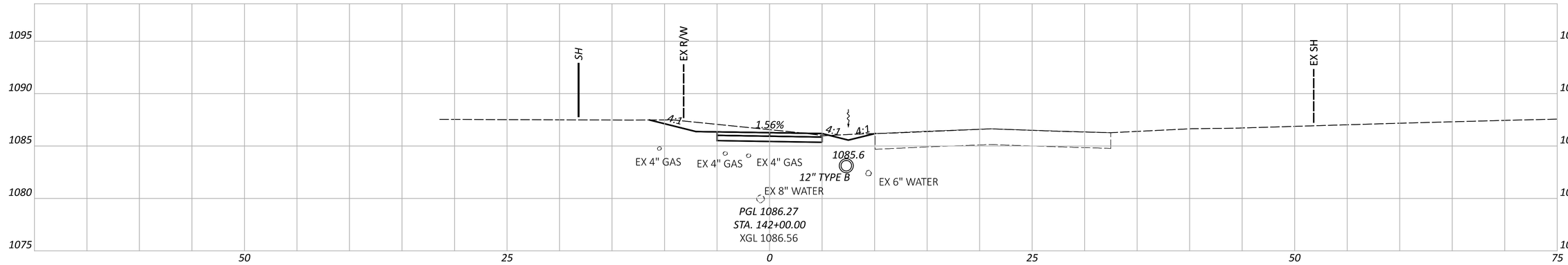
REVIEWER: HRB 12/13/24

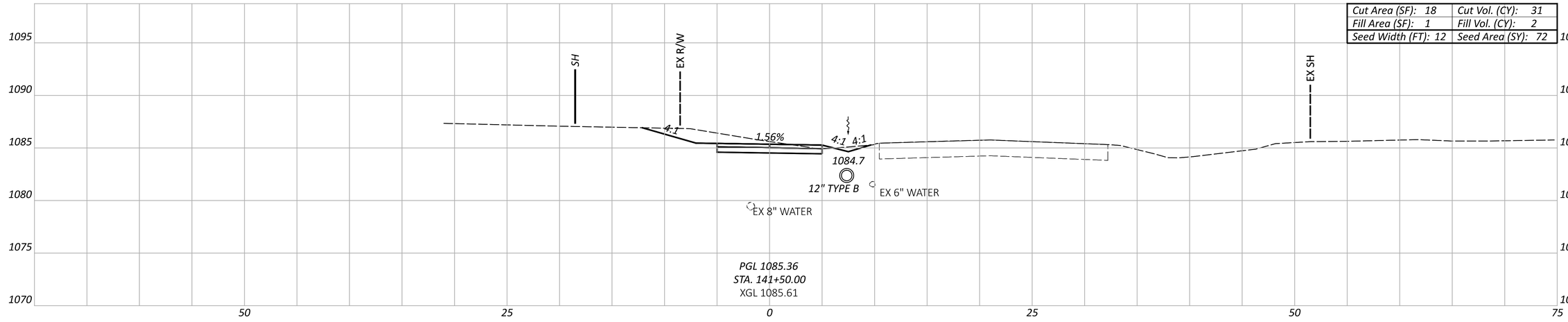
PROJECT ID: 115280

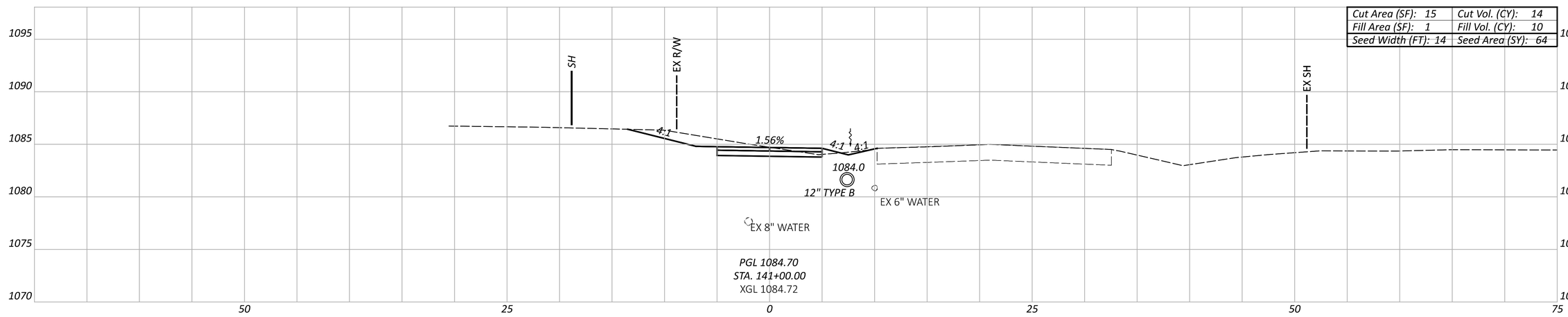
SHEET: P.68 TOTAL: 111

KNO-CR5-0.47

MODEL: CLP_MANSFIELD_PATH - 139+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:37 AM USER: jtheuring
J:\2022018\7\ODOT\115280\400-Engineering\Roadway\Sheets\115280_XS001.dgn







- EXCAVATION OF SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
203	76	14

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

DESIGN AGENCY
EMH&T

DESIGNER
SJS

REVIEWER
HRB 12/13/24

PROJECT ID
115280

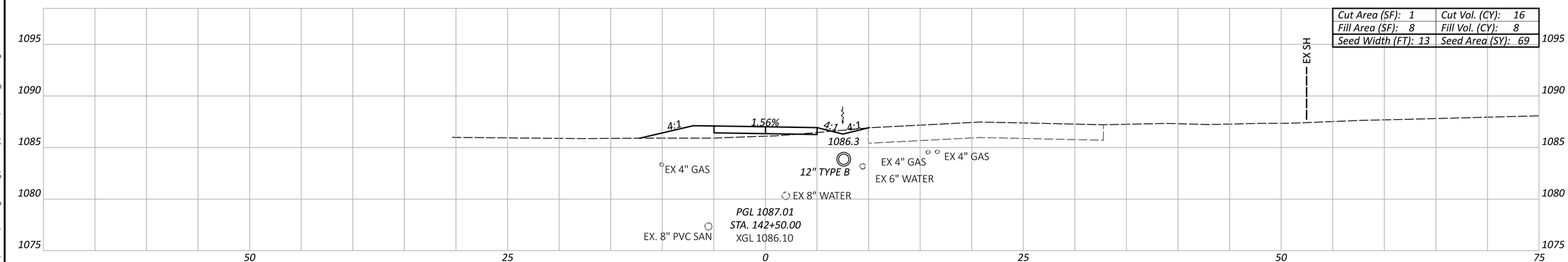
SHEET P.69 TOTAL 111

KNO-CR5-0.47

MODEL: CLP_MANSFIELD_PATH - 141+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:38 AM USER: jtheuring
J:\2022018\7\ODOT\115280\400-Engineering\Roadway\Sheets\115280_XS001.dgn

SHEET TOTALS			
SHEET NUMBER	CUT VOL (CY)	FILL VOL (CY)	SEEDING AREA (SY)
P.39	39	14	139
P.40	61	30	269
P.41	45	56	264
P.42	53	75	275
P.43	19	19	147
P.44	29	7	78
P.45	18	19	78
P.46	12	30	111
P.47	10	45	144
P.48	13	42	167
P.49	9	77	150
P.50	5	75	94
P.51	34	85	253
P.52	19	92	211
P.53	17	68	128
P.54	6	42	81
P.55	41	5	81
P.56	58	1	67
P.57	37	25	200
P.58	56	174	478
P.59	54	204	411
P.60	136	14	194
P.61	69	9	178
P.62	11	168	233
P.63	42	94	200
P.64	85	4	192
P.65	6	12	114
P.66	4	88	239
P.67	1	52	128
P.68	76	14	203
P.69	16	8	69
TOTALS CARRIED TO GENERAL SUMMARY	1081	1645	0
TOTALS CARRIED TO GENERAL NOTES	0	0	5575

SEE PAVEMENT SUBSUMMARY, SHEET P.23, FOR EXCAVATION OF SUBGRADE QUANTITIES



- EXCAVATION OF SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
69	16	8

CROSS SECTION
MANSFIELD AVE SHARED USE PATH

DESIGN AGENCY
EMH&T

DESIGNER
SJS

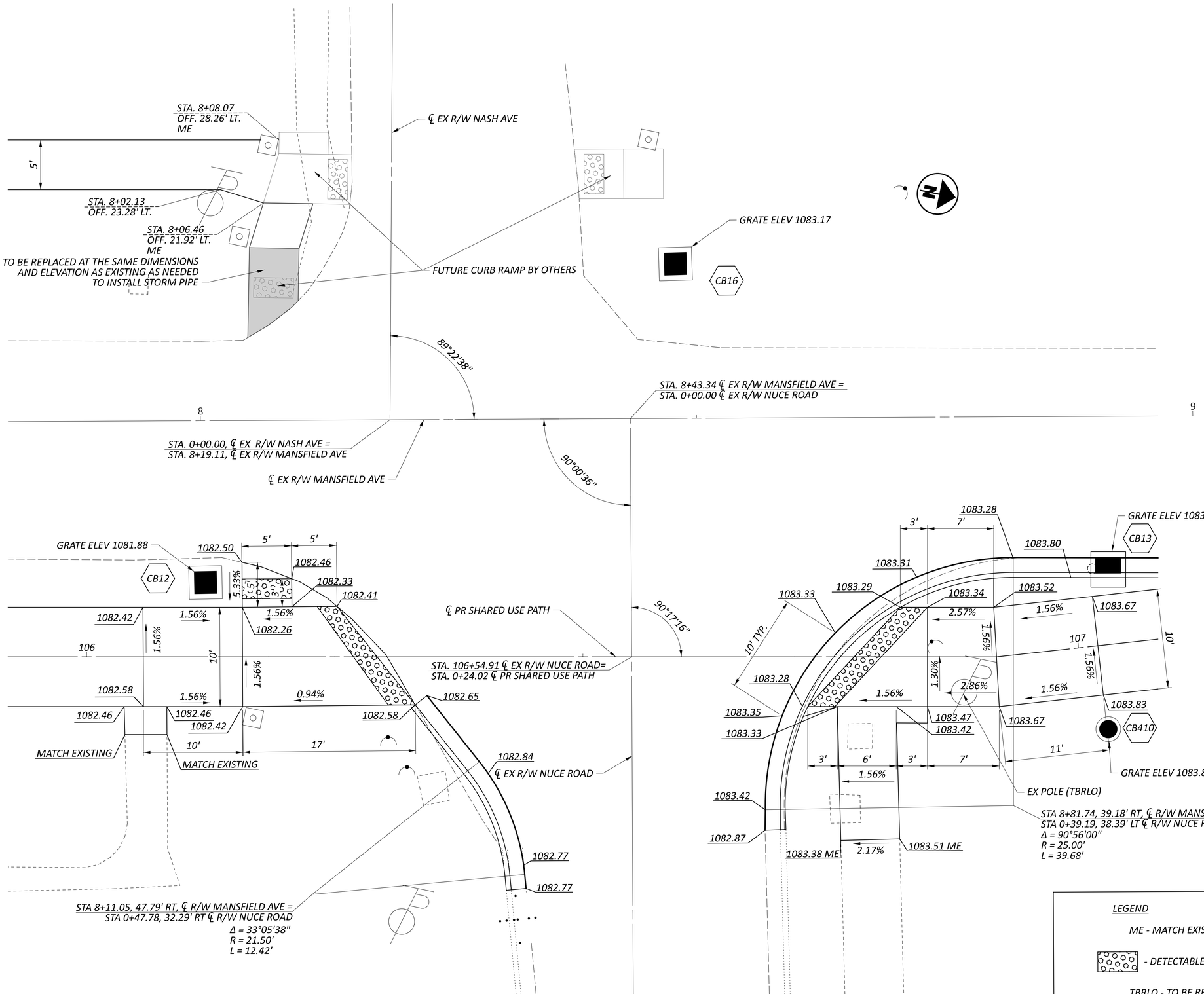
REVIEWER
HRB 12/13/24

PROJECT ID
115280

SHEET P.70 TOTAL 111

KNO-CR5-0.47

MODEL: CLP_MANSFIELD_PATH - 142+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:23:39 AM USER: jtheuring
J:\2022018?\ODOT\115280\400-Engineering\Roadway\Sheets\115280_XS001.dgn



INTERSECTION DETAIL AT MANSFIELD AVE AND NUCE ROAD

HORIZONTAL SCALE IN FEET
0 2.5 5 10

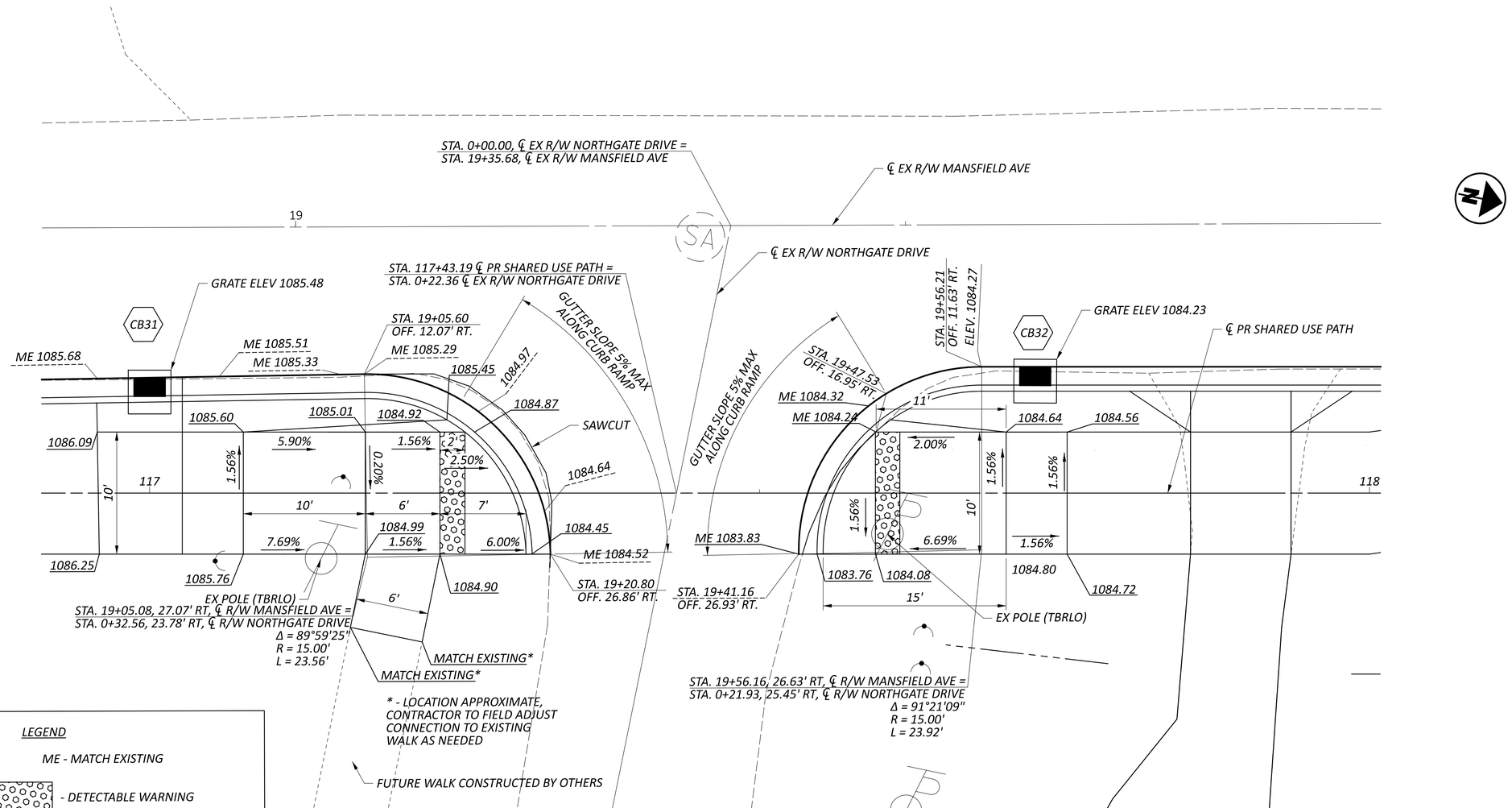
INTERSECTION DETAIL MANSFIELD AVE AND NUCE ROAD

DESIGN AGENCY
EMH&T

DESIGNER	SJS
REVIEWER	HRB 12/13/24
PROJECT ID	115280
SHEET	P.71
TOTAL	111

KNO-CR5-0.47

MODEL: Intersection Detail - Mansfield and Nuce PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:33:10 AM USER: jtheuring
J:\20220187\ODOT\115280\400-Engineering\Roadway\Sheets\115280_GI001.dgn



HORIZONTAL
SCALE IN FEET
0 2.5 5 10

INTERSECTION DETAIL
MANSFIELD AVE AND NORTHGATE DRIVE

DESIGN AGENCY
EMH&T

DESIGNER
SJS

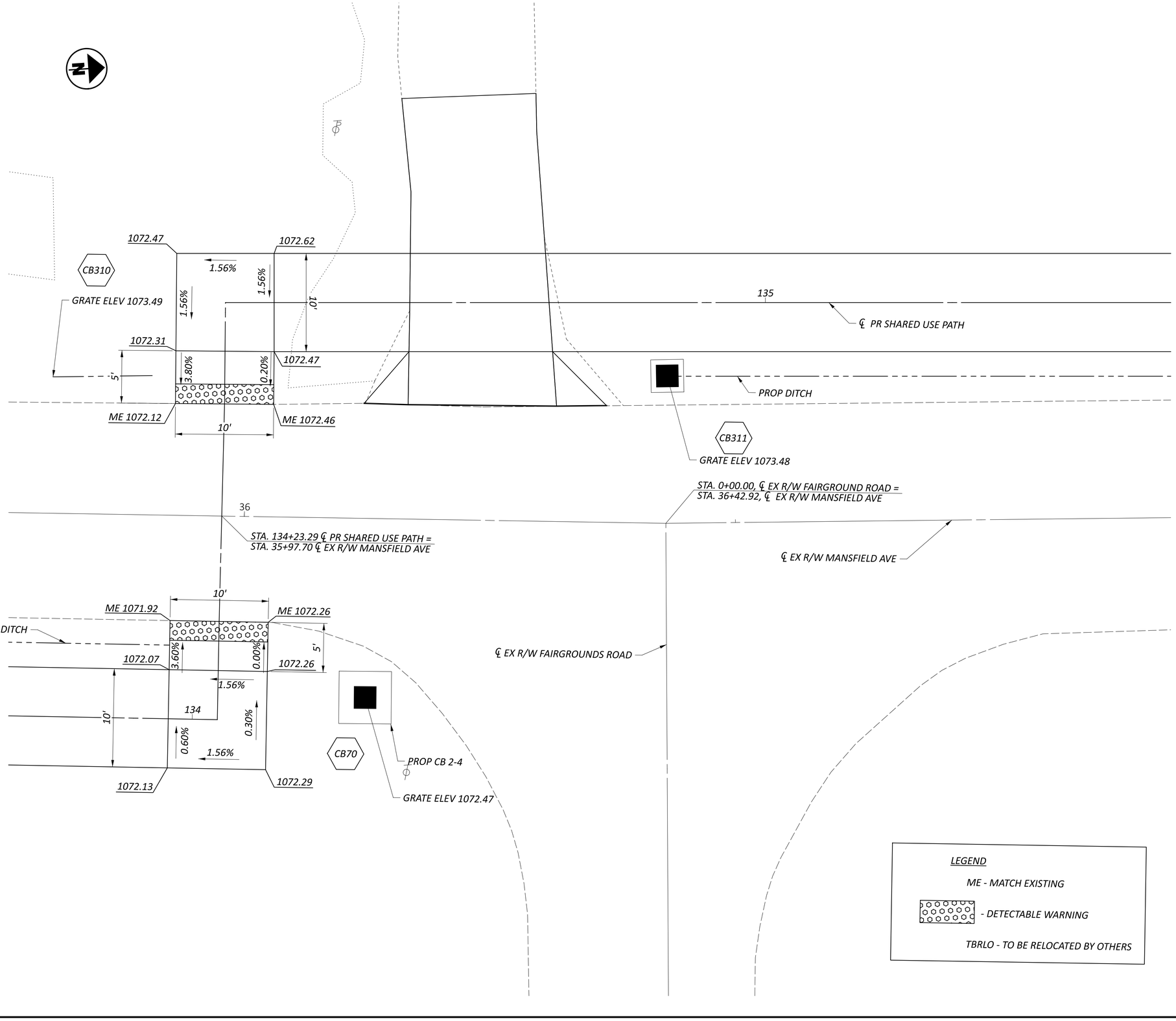
REVIEWER
HRB 12/13/24

PROJECT ID
115280

SHEET P.72 | TOTAL 111

KNO-CR5-0.47

MODEL: Unnamed Plan - Mansfield and Northgate [Sheet] PAPERSIZE: 34x22 (in.) DATE: 2/4/2025 TIME: 12:25:17 PM USER: jtheuring
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HORIZONTAL SCALE IN FEET
0 2.5 5 10

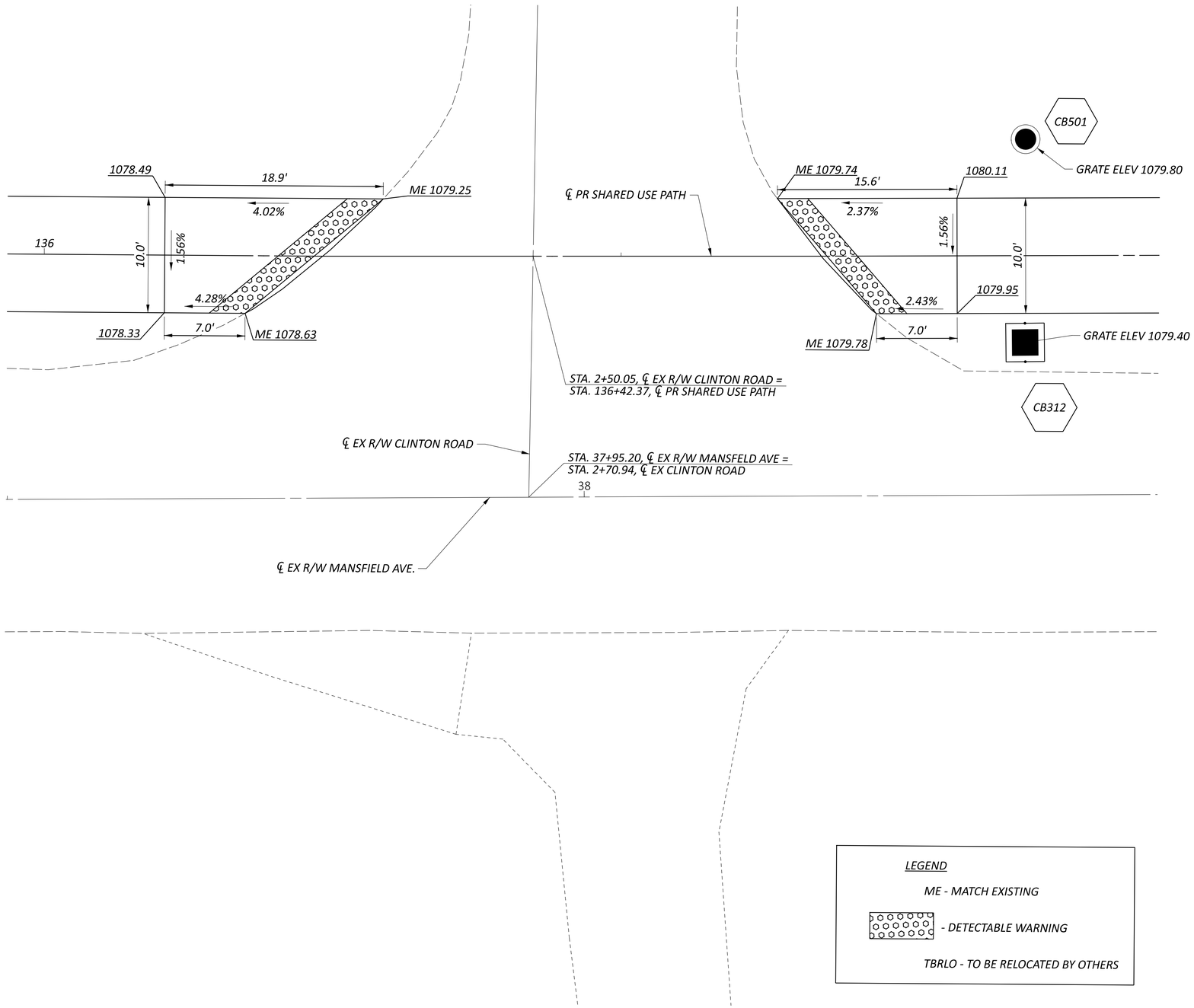
INTERSECTION DETAIL
MANSFIELD AVE AND FAIRGROUND ROAD

DESIGN AGENCY
EMH&T

DESIGNER SJS
REVIEWER HRB 12/13/24
PROJECT ID 115280
SHEET P.73 TOTAL 111

KNO-CR5-0.47

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HORIZONTAL SCALE IN FEET
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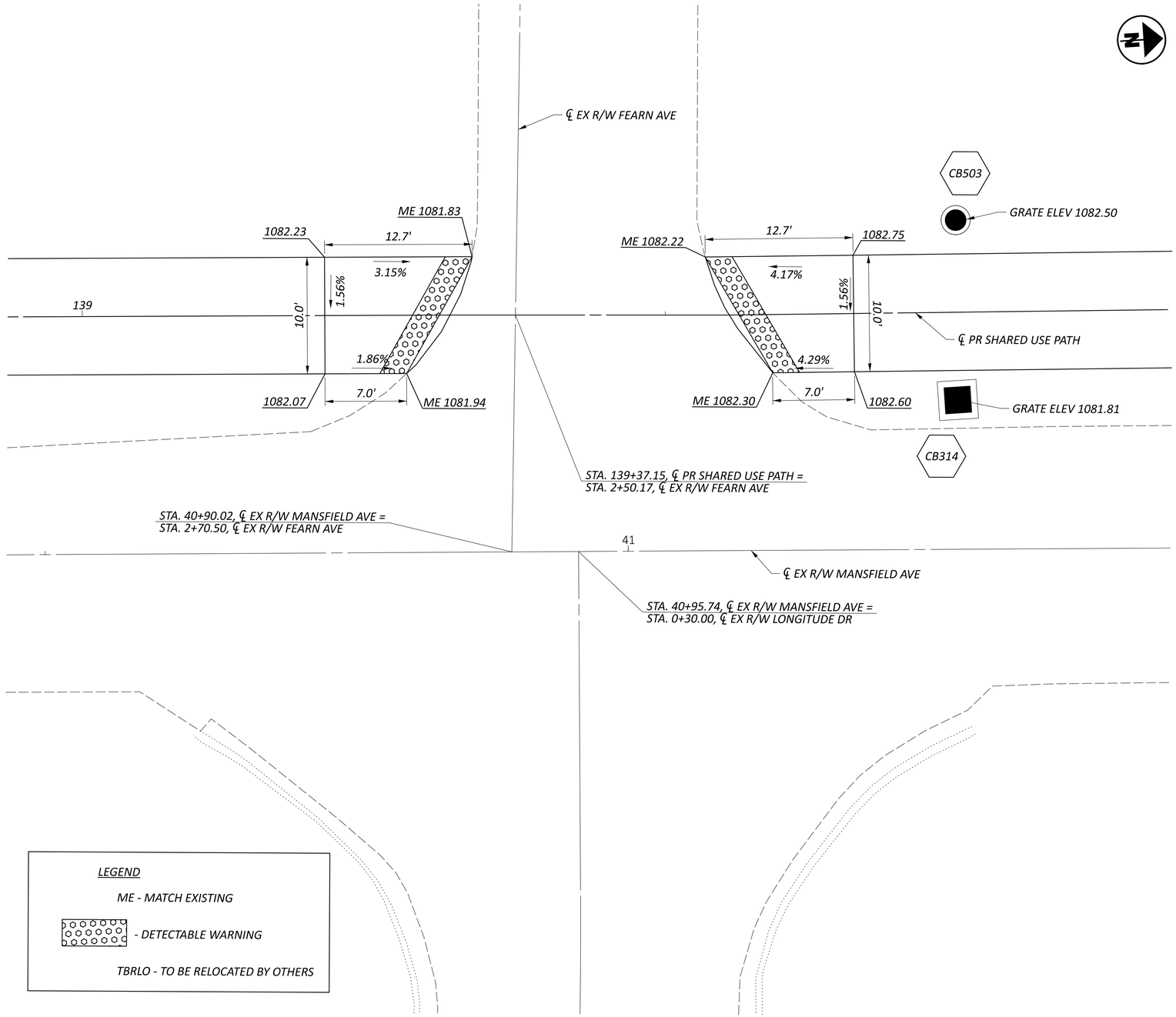
INTERSECTION DETAIL MANSFIELD AVE AND CLINTON ROAD

DESIGN AGENCY
EMH&T

DESIGNER SJS
REVIEWER HRB 12/13/24
PROJECT ID 115280
SHEET P.74 TOTAL 111

KNO-CR5-0.47

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HORIZONTAL SCALE IN FEET
0 2.5 5 10

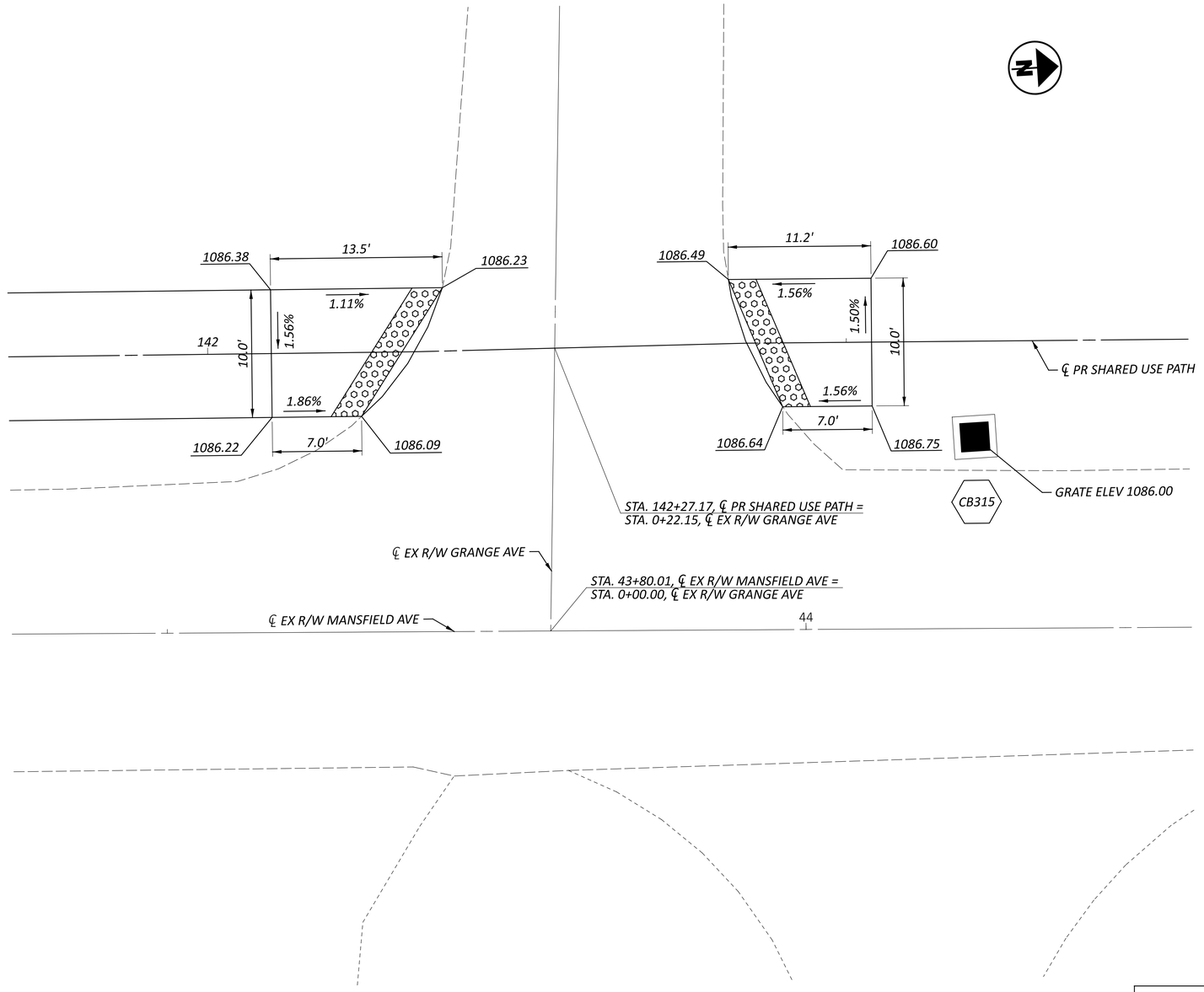
INTERSECTION DETAIL MANSFIELD AVE AND FEARN AVE

KNO-CR5-0.47

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DESIGN AGENCY: EMH&T

DESIGNER	SJS
REVIEWER	HRB 12/13/24
PROJECT ID	115280
SHEET	P.75
TOTAL	111



LEGEND

ME - MATCH EXISTING

- DETECTABLE WARNING

TBRLO - TO BE RELOCATED BY OTHERS

HORIZONTAL SCALE IN FEET
0 2.5 5 10

INTERSECTION DETAIL MANSFIELD AVE AND GRANGE AVE

DESIGN AGENCY
EMH&T

DESIGNER SJS

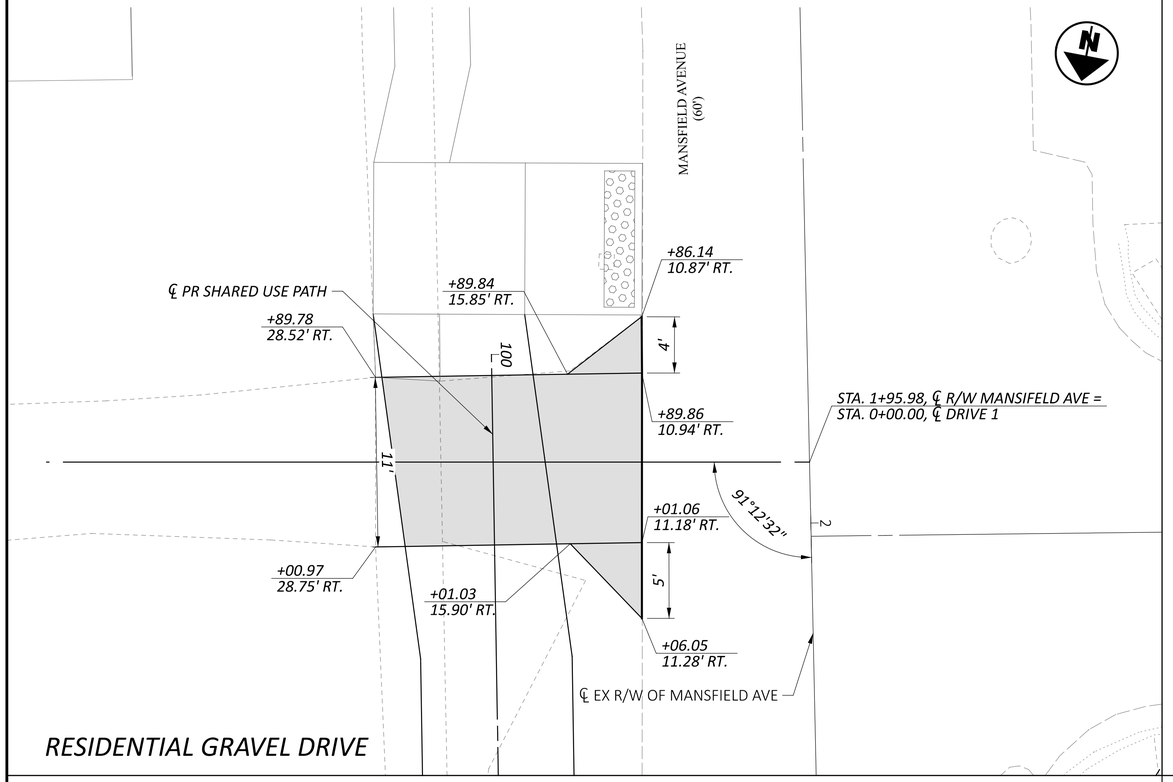
REVIEWER HRB 06/02/23

PROJECT ID 115280

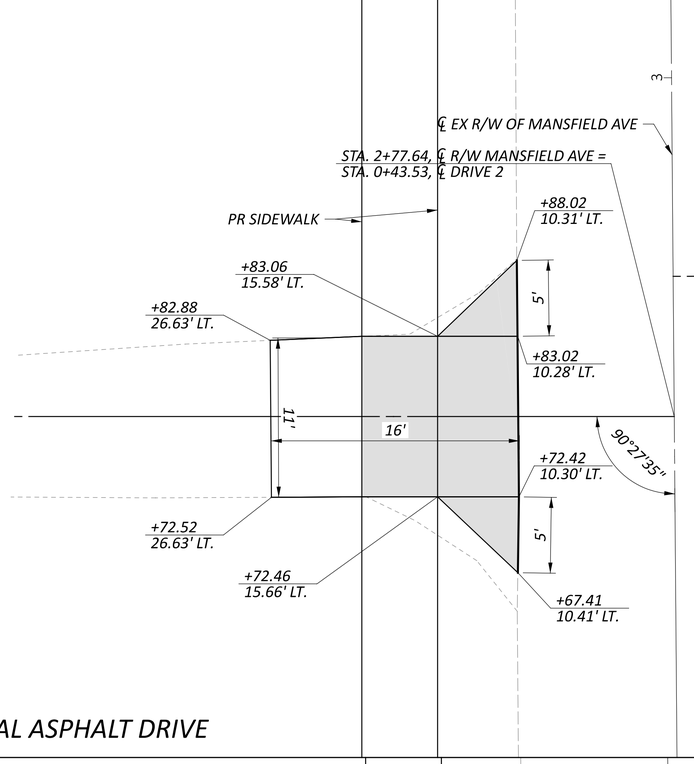
SHEET P.76 TOTAL 111

KNO-CR5-0.47

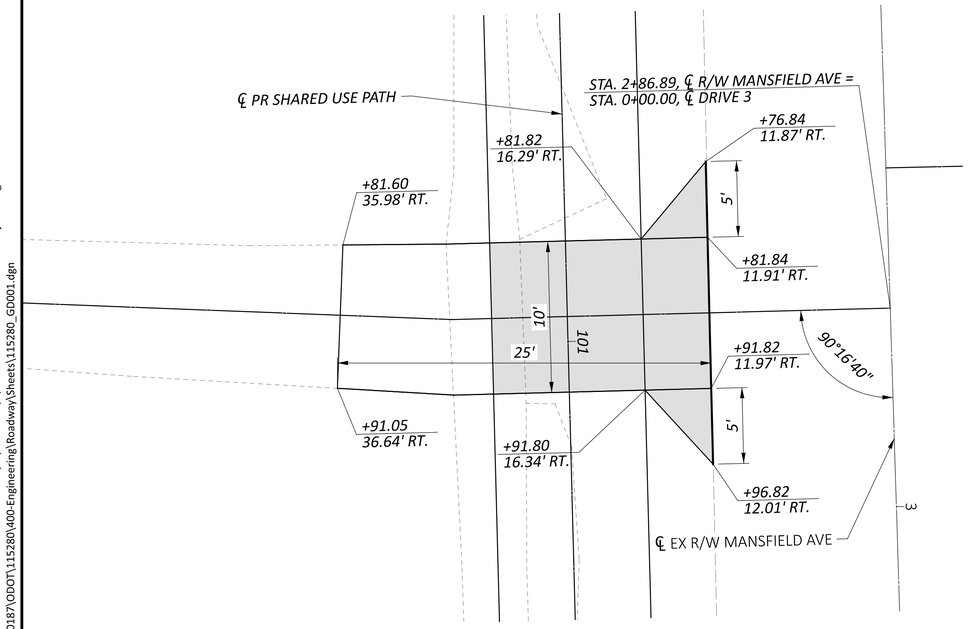
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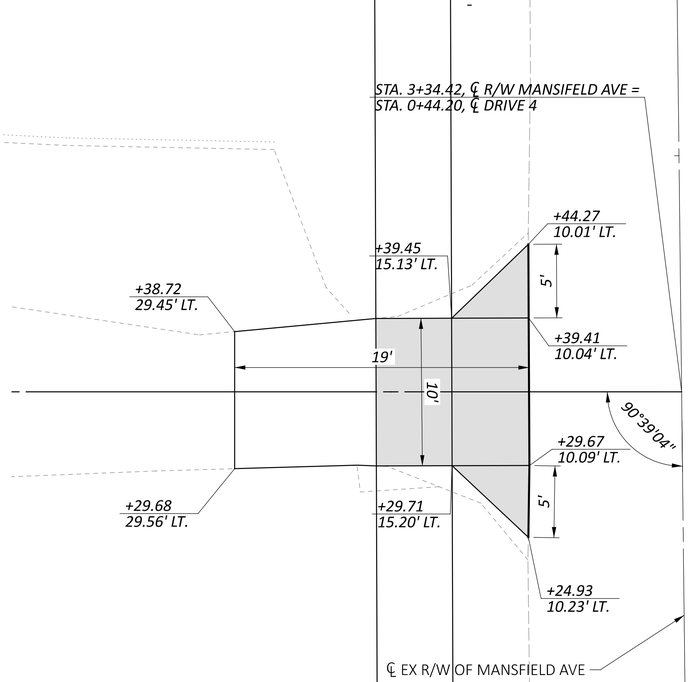
RESIDENTIAL GRAVEL DRIVE



RESIDENTIAL ASPHALT DRIVE



RESIDENTIAL GRAVEL DRIVE



RESIDENTIAL ASPHALT DRIVE

ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P

ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P

HORIZONTAL SCALE IN FEET
0 2.5 5 10

DRIVE DETAIL PLAN

DESIGN AGENCY
EMH&T

DESIGNER
SJS

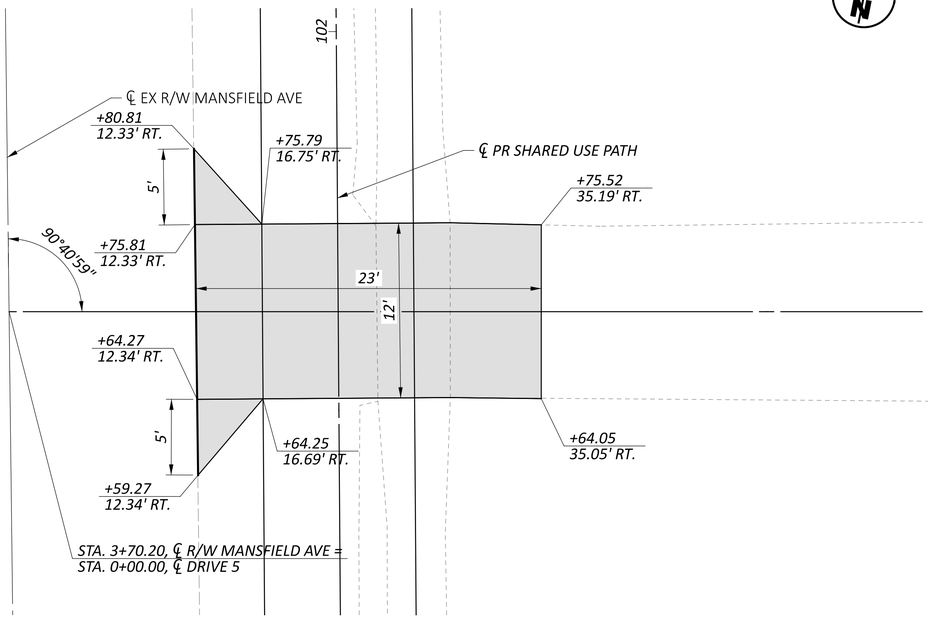
REVIEWER
HRB 12/13/24

PROJECT ID
115280

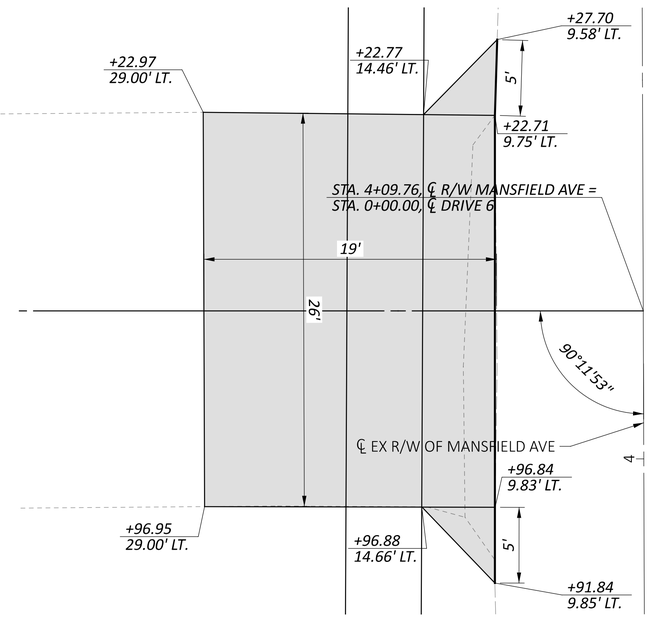
SHEET P.77 TOTAL 111

KNO-CR5-0.47

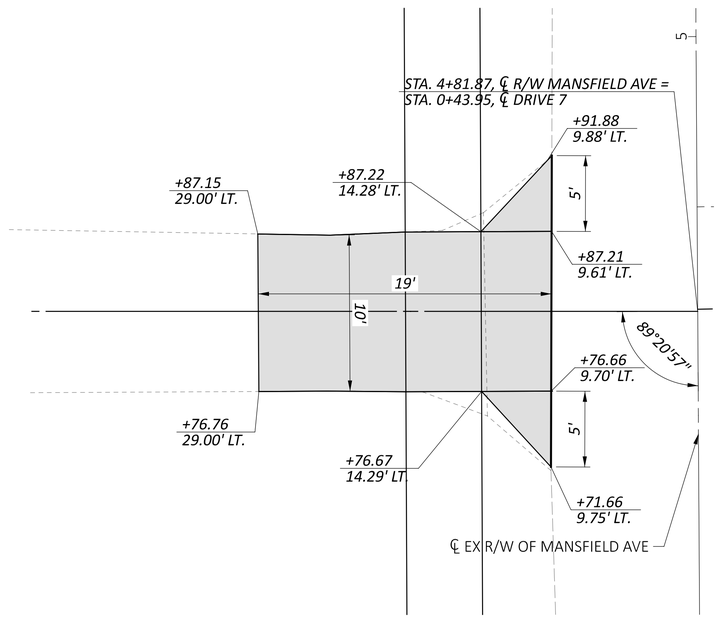
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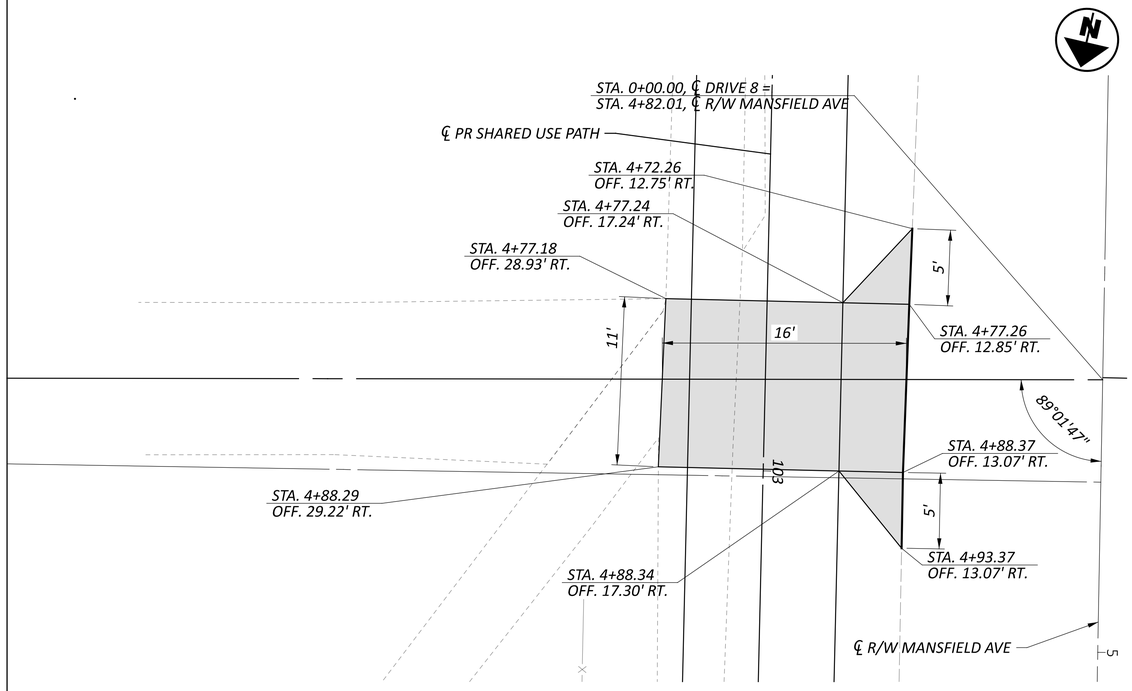
RESIDENTIAL CONCRETE DRIVE



RESIDENTIAL CONCRETE DRIVE



RESIDENTIAL CONCRETE DRIVE



RESIDENTIAL CONCRETE DRIVE

ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P

ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P

HORIZONTAL SCALE IN FEET
0 2.5 5 10

DRIVE DETAIL PLAN

DESIGN AGENCY
EMH&T

DESIGNER
SJS

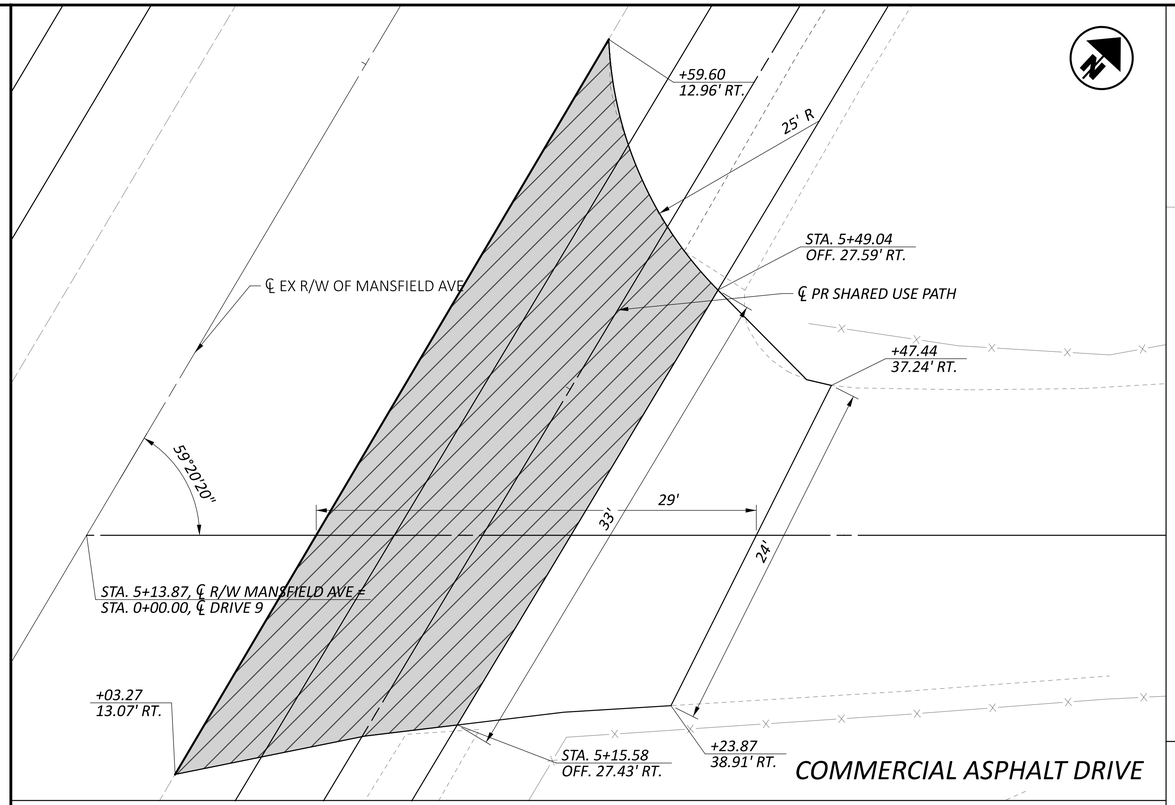
REVIEWER
HRB 12/13/24

PROJECT ID
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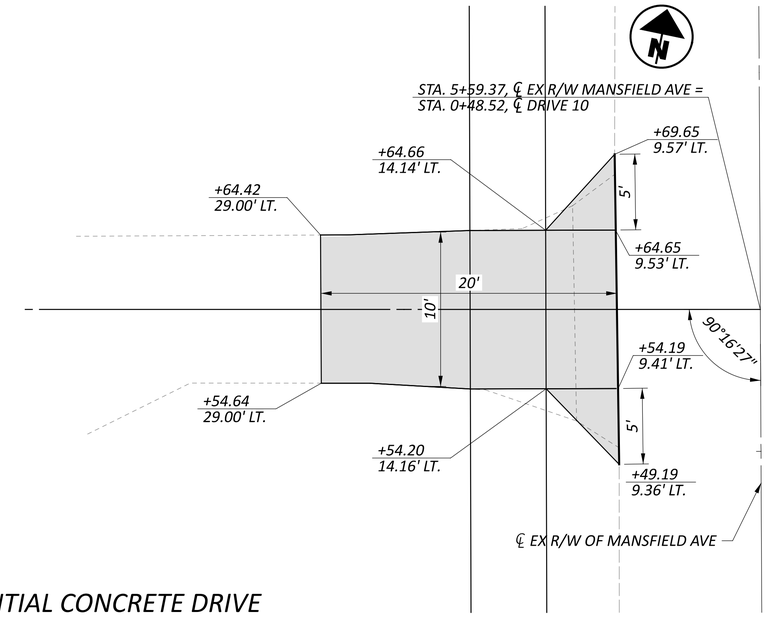
SHEET P.78 TOTAL 111

KNO-CR5-0.47

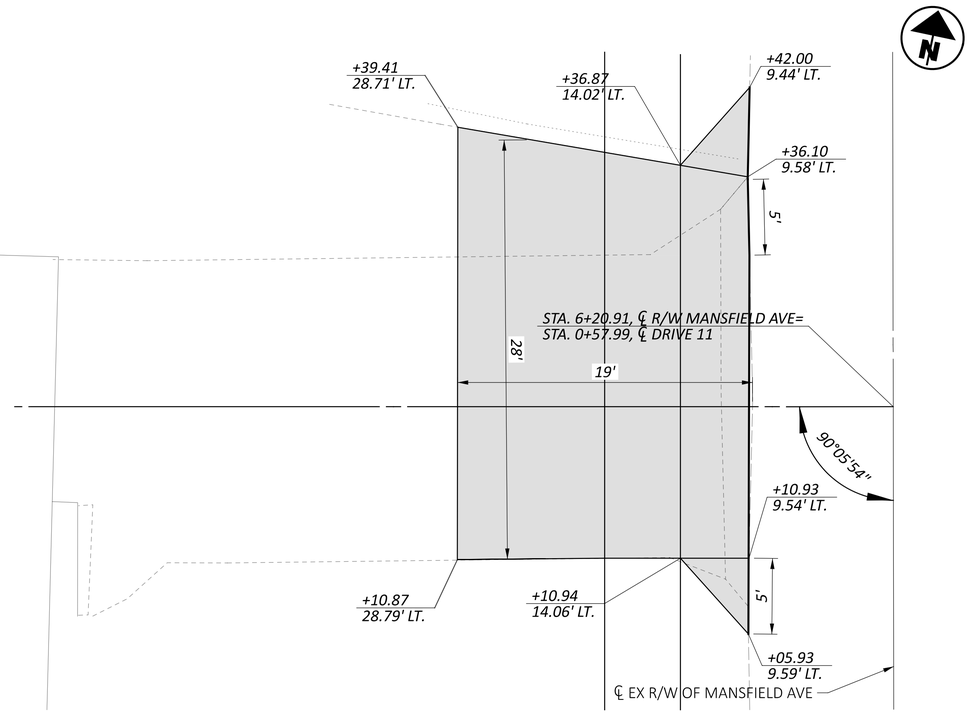
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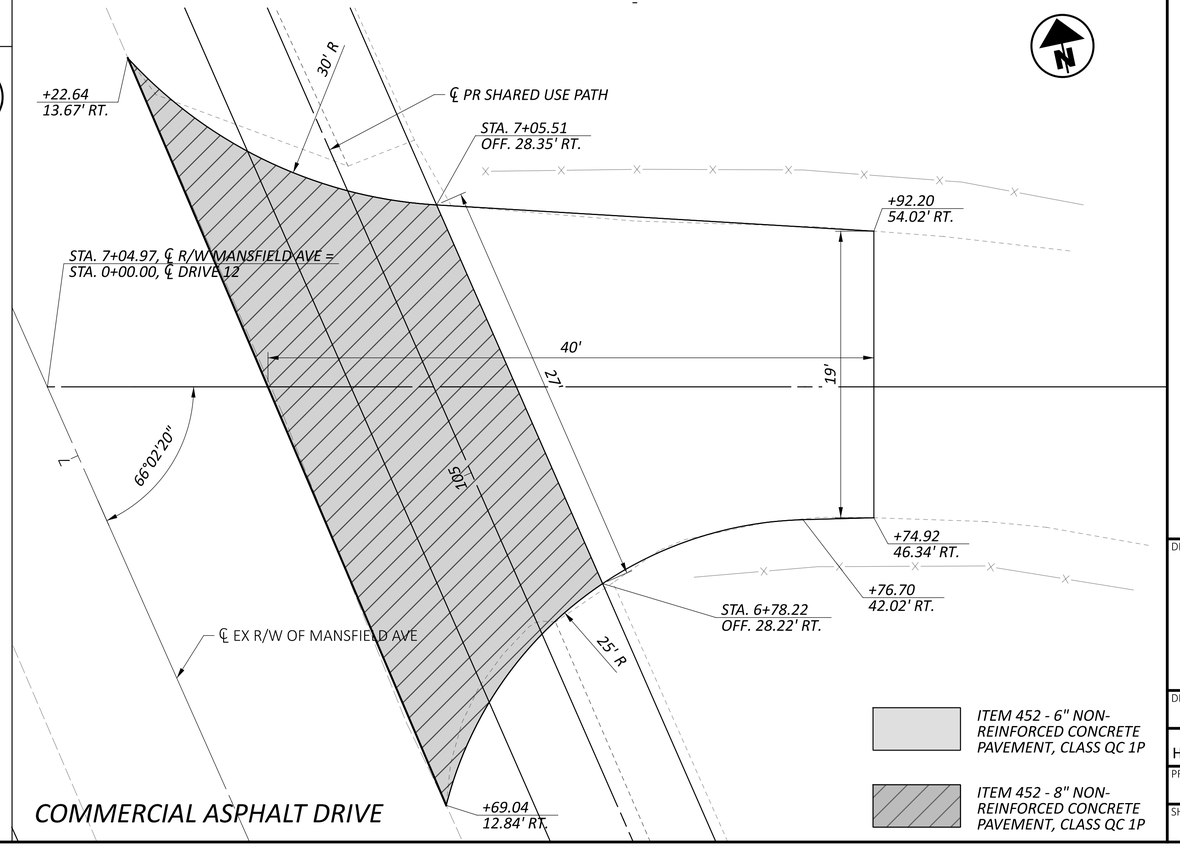
COMMERCIAL ASPHALT DRIVE



RESIDENTIAL CONCRETE DRIVE



RESIDENTIAL CONCRETE DRIVE



COMMERCIAL ASPHALT DRIVE

ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P

ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P

HORIZONTAL SCALE IN FEET
0 2.5 5 10

DRIVE DETAIL PLAN

DESIGN AGENCY
EM|H&T

DESIGNER
SJS

REVIEWER
HRB 12/13/24

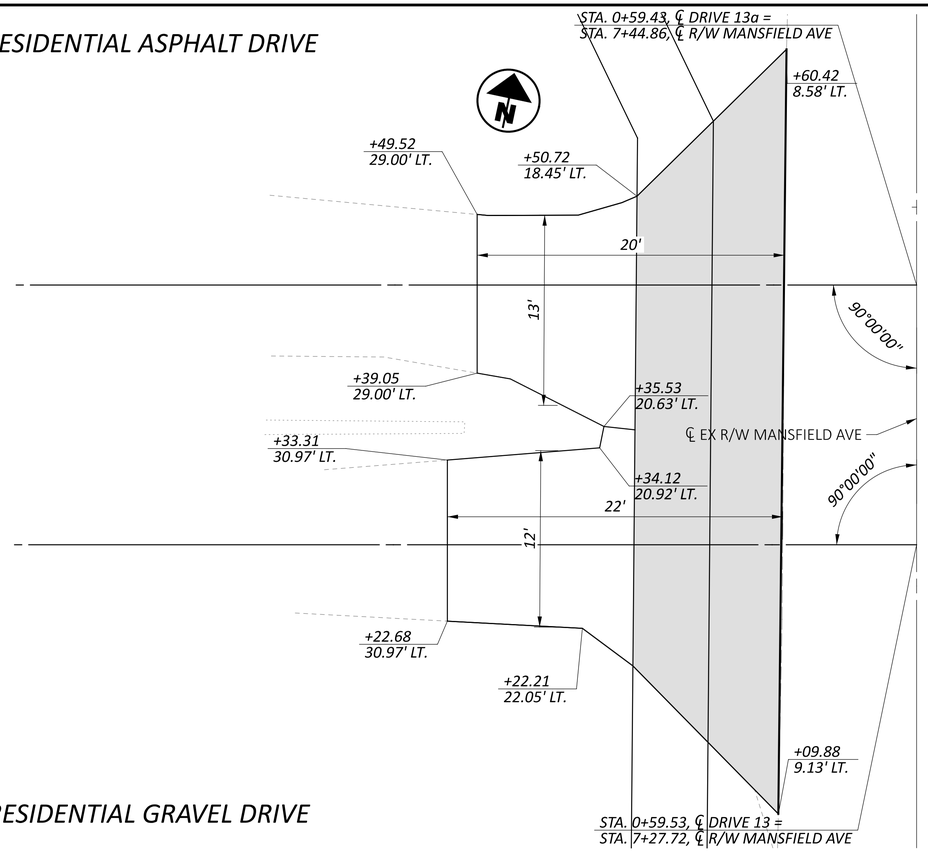
PROJECT ID
115280

SHEET P.79 | TOTAL 111

KNO-CR5-0.47

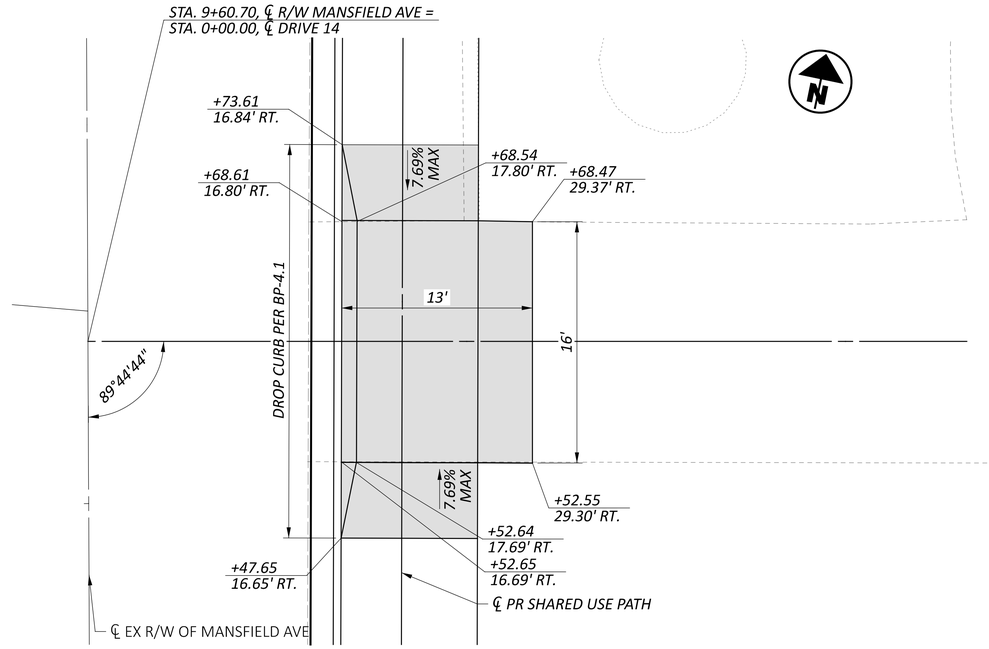
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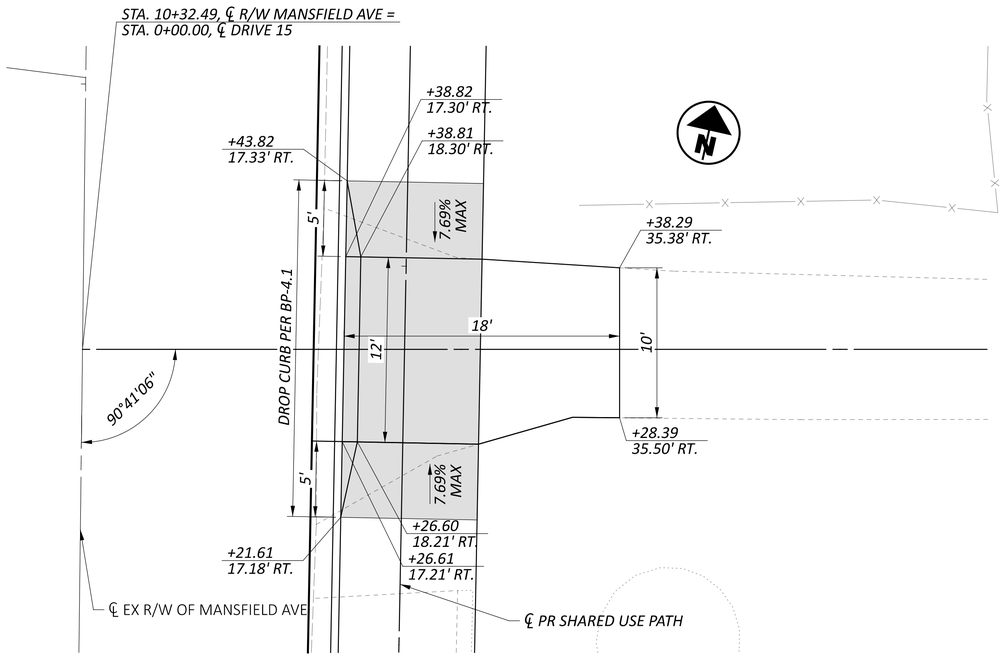
RESIDENTIAL ASPHALT DRIVE



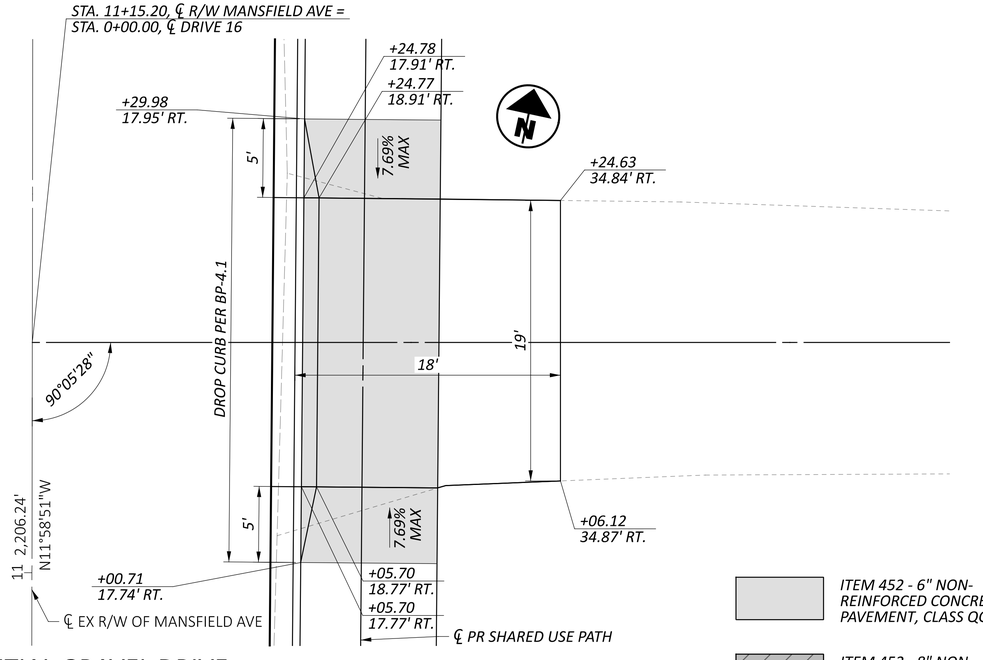
RESIDENTIAL GRAVEL DRIVE

RESIDENTIAL CONCRETE DRIVE





RESIDENTIAL GRAVEL DRIVE



RESIDENTIAL GRAVEL DRIVE

ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P

ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P

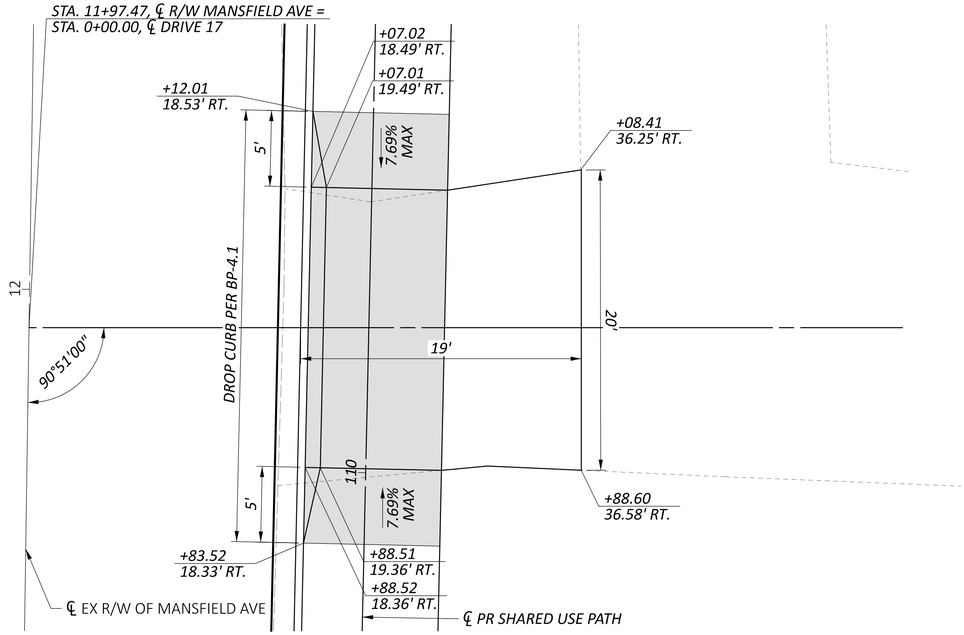
HORIZONTAL SCALE IN FEET
0 2.5 5 10

DRIVE DETAIL PLAN

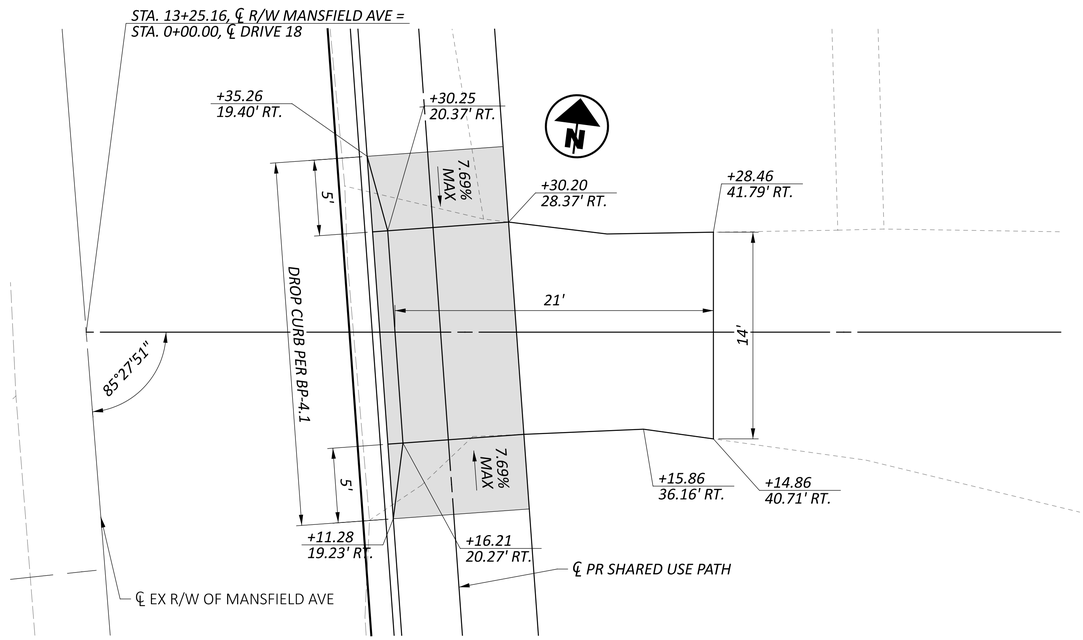
DESIGN AGENCY: EMH&T
DESIGNER: SJS
REVIEWER: HRB 12/13/24
PROJECT ID: 115280
SHEET: P.80 TOTAL: 111

KNO-CR5-0.47

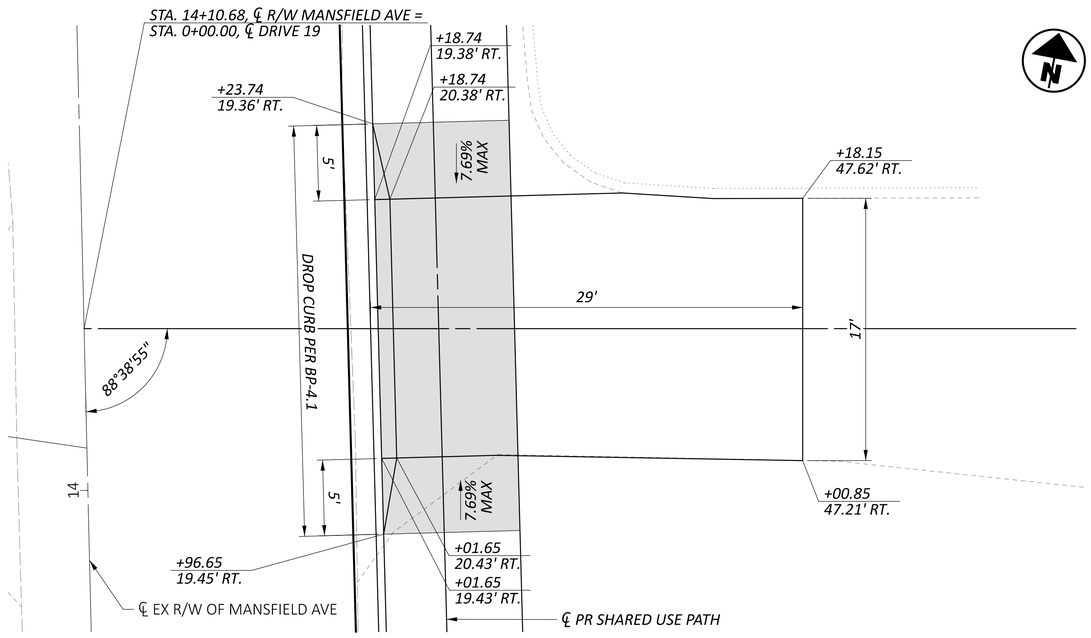
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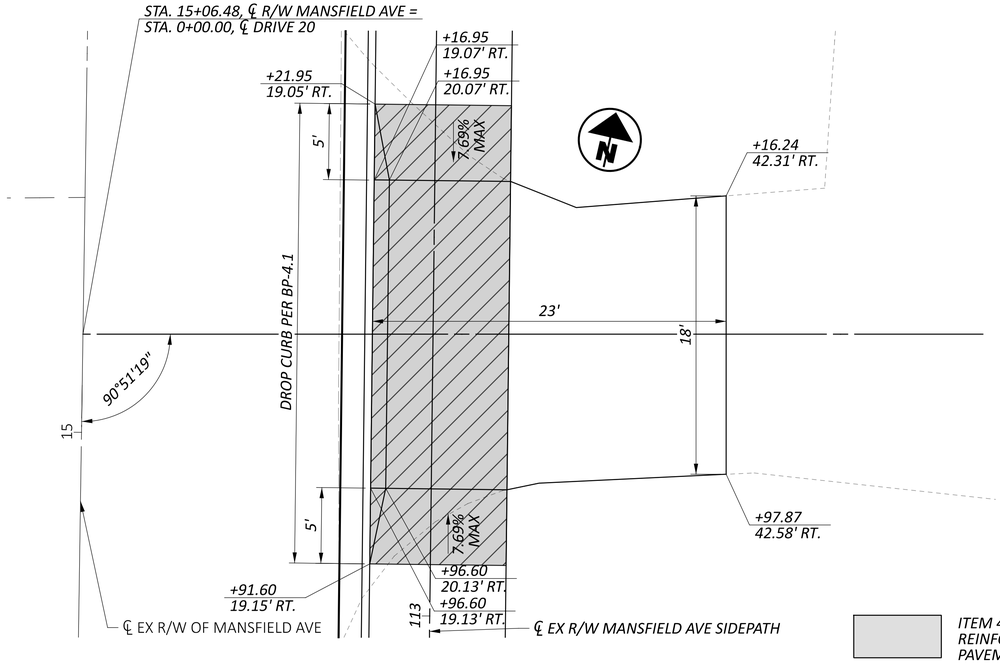
RESIDENTIAL GRAVEL DRIVE



RESIDENTIAL ASPHALT DRIVE



RESIDENTIAL ASPHALT DRIVE



COMMERCIAL GRAVEL DRIVE

ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P

ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P

HORIZONTAL SCALE IN FEET
0 2.5 5 10

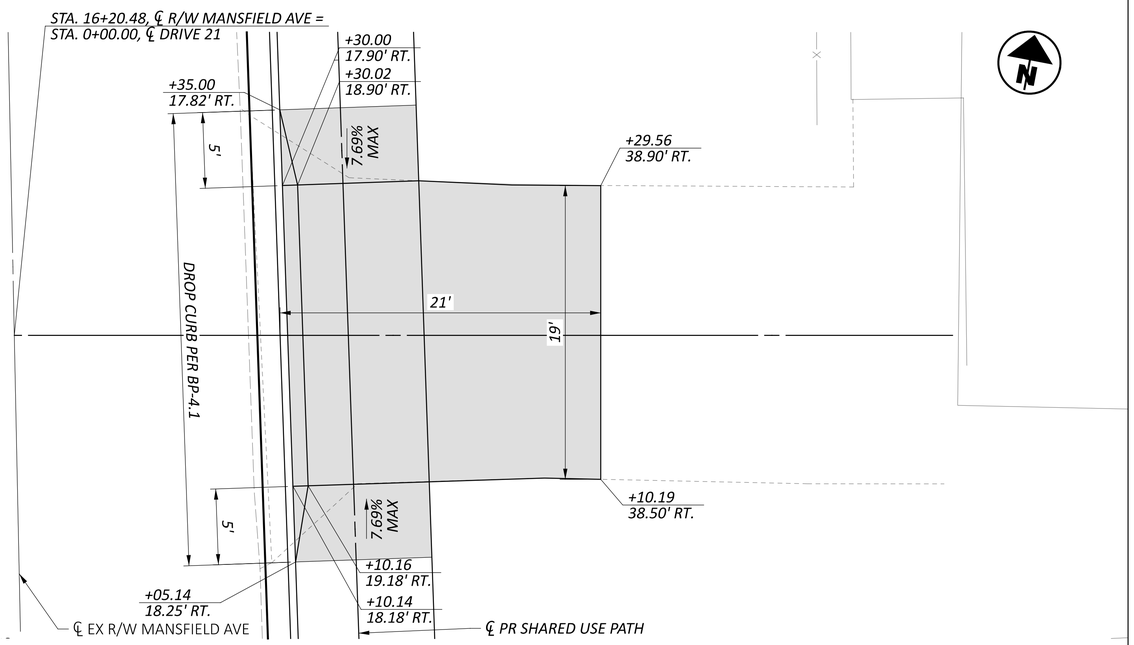
DRIVE DETAIL PLAN

DESIGN AGENCY
EMH&T

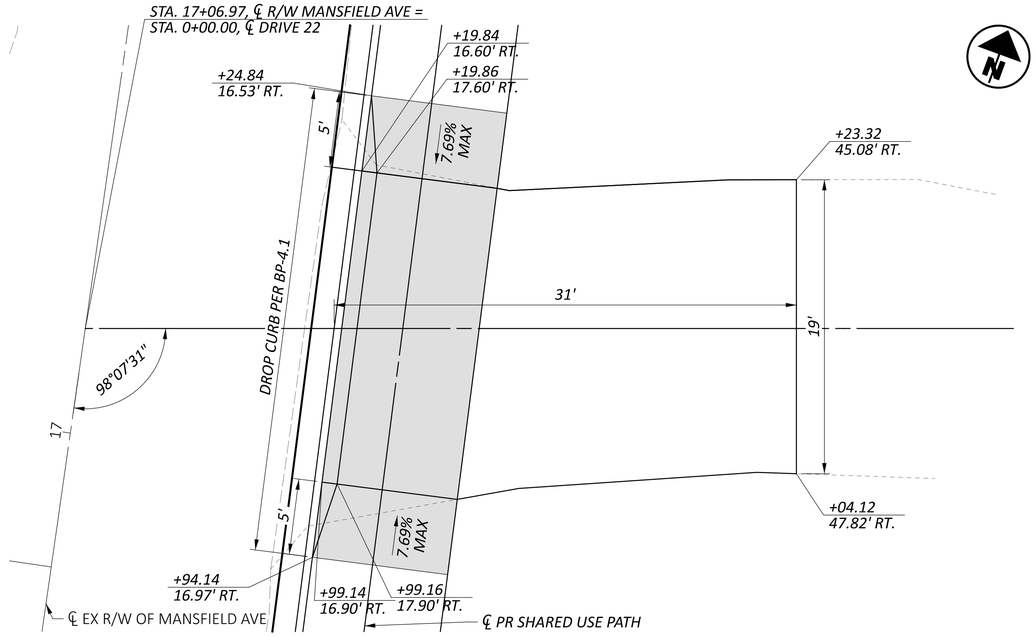
DESIGNER SJS
REVIEWER HRB 12/13/24
PROJECT ID 115280
SHEET P.81 TOTAL 111

KNO-CR5-0.47

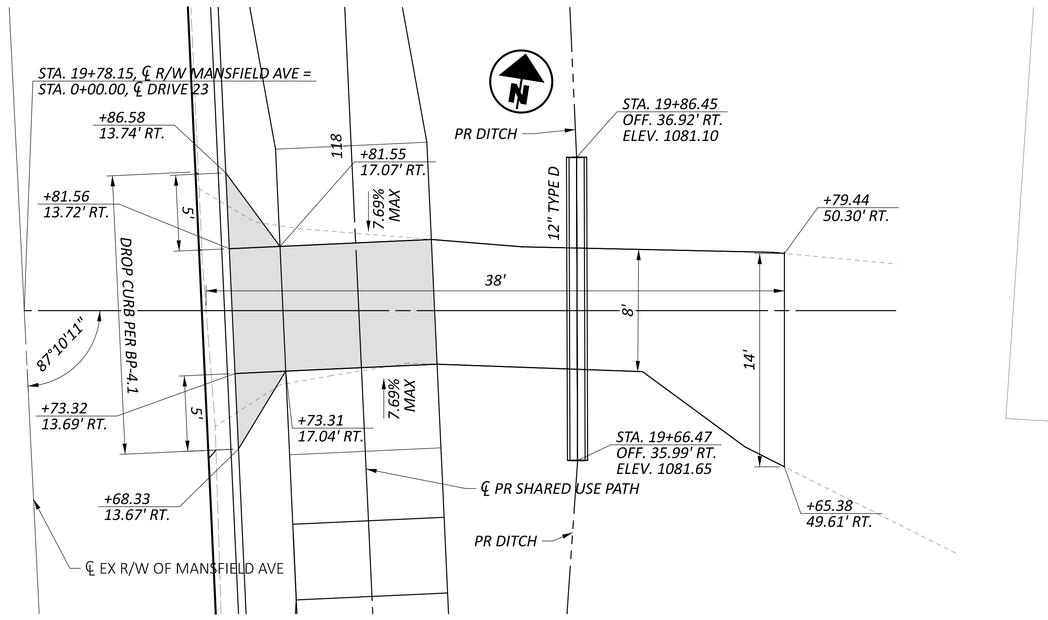
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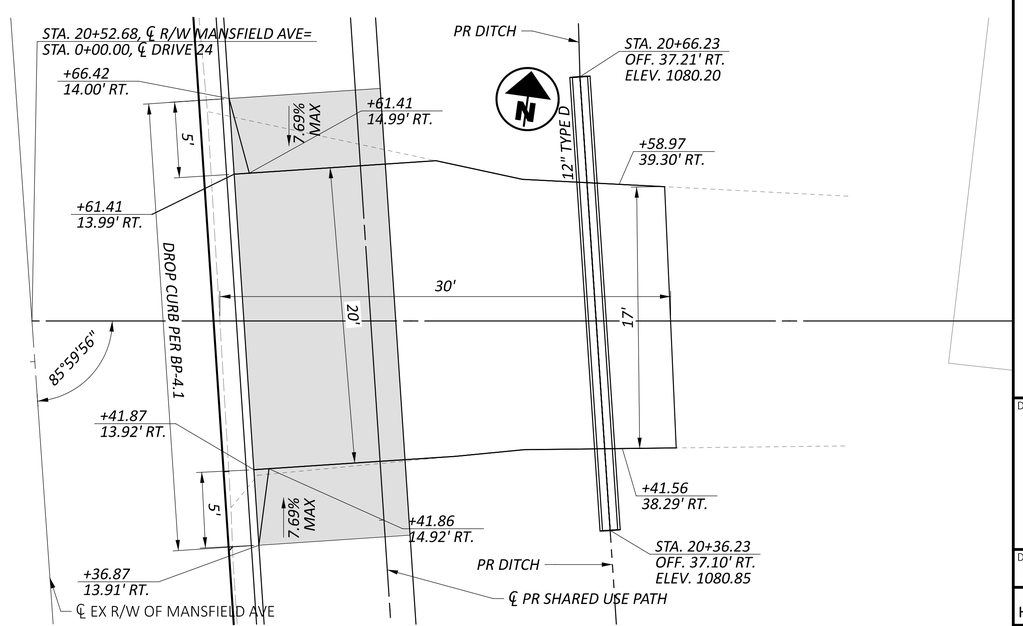
RESIDENTIAL CONCRETE DRIVE



RESIDENTIAL ASPHALT DRIVE



RESIDENTIAL ASPHALT DRIVE



RESIDENTIAL ASPHALT DRIVE

ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P

ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P

HORIZONTAL SCALE IN FEET
0 2.5 5 10

DRIVE DETAIL PLAN

DESIGN AGENCY
EMH&T

DESIGNER
SJS

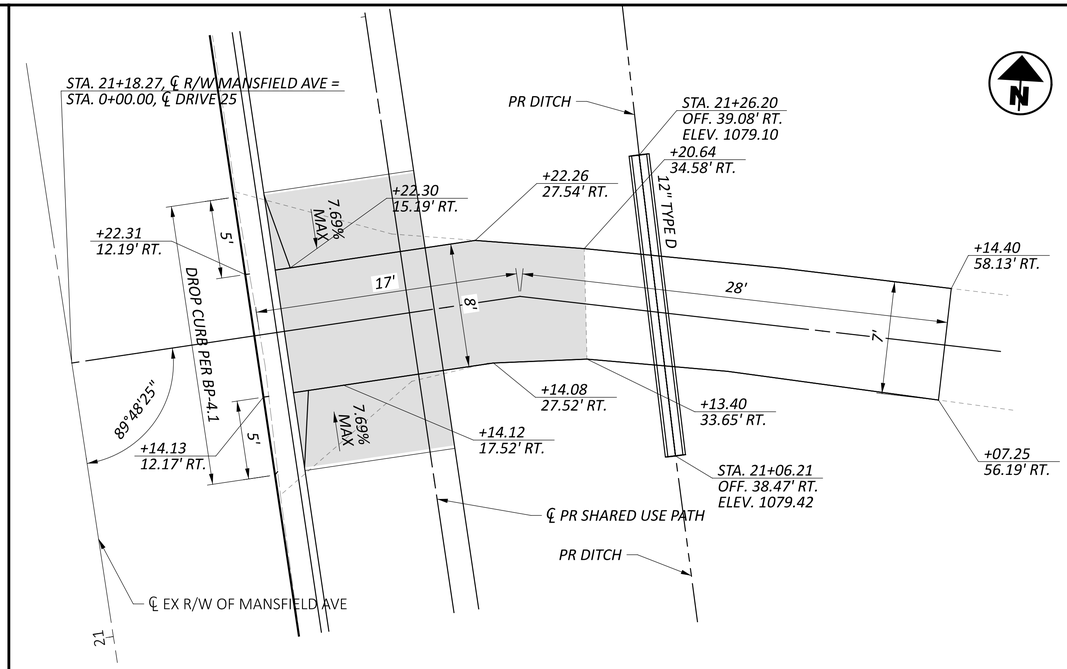
REVIEWER
HRB 12/13/24

PROJECT ID
115280

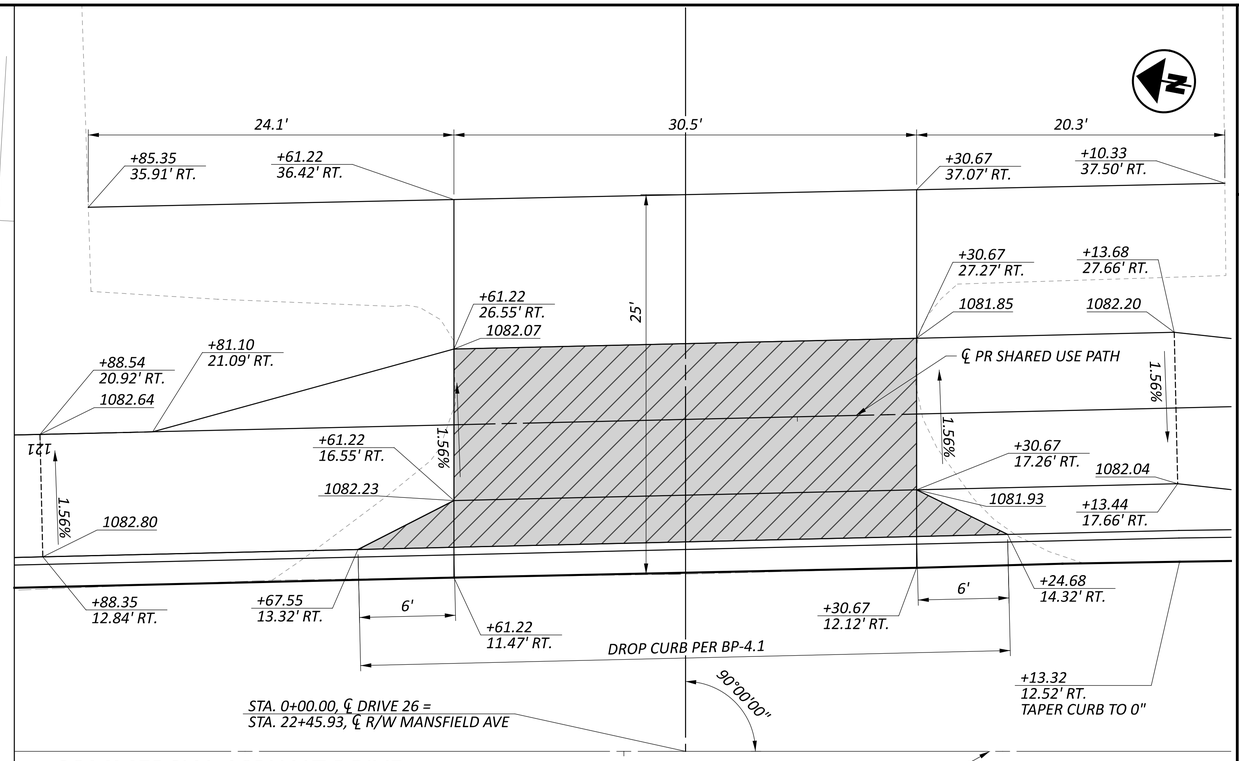
SHEET P.82 | TOTAL 111

KNO-CR5-0.47

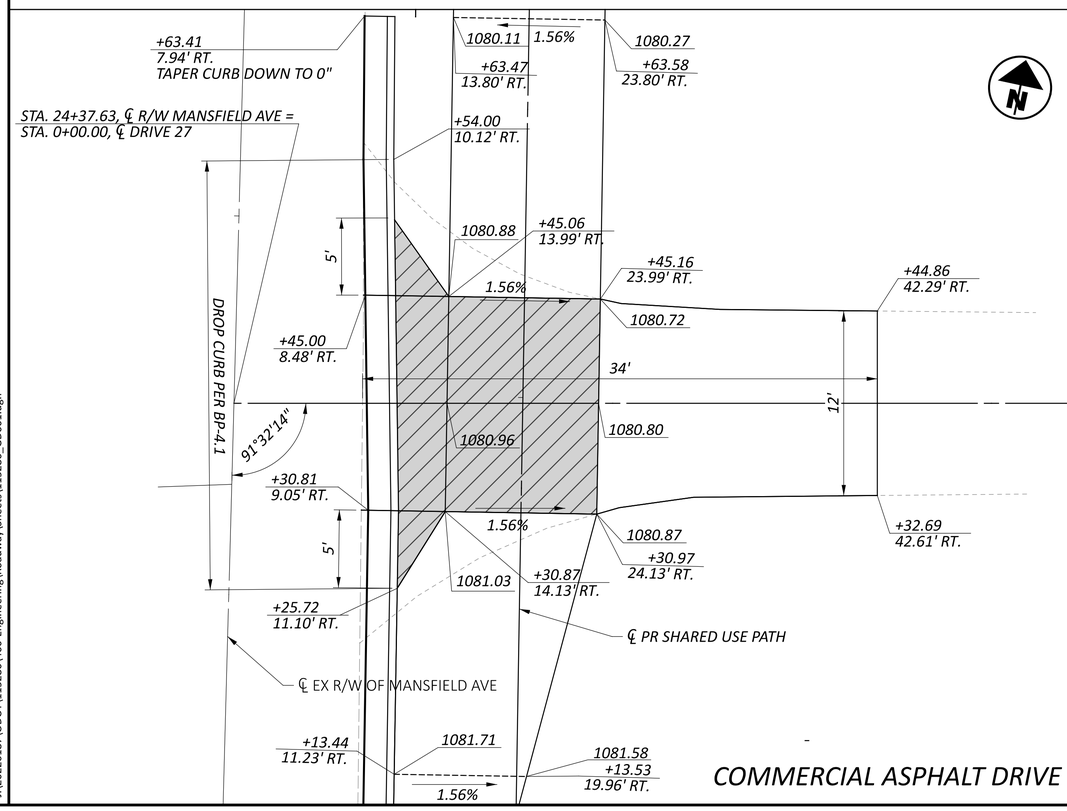
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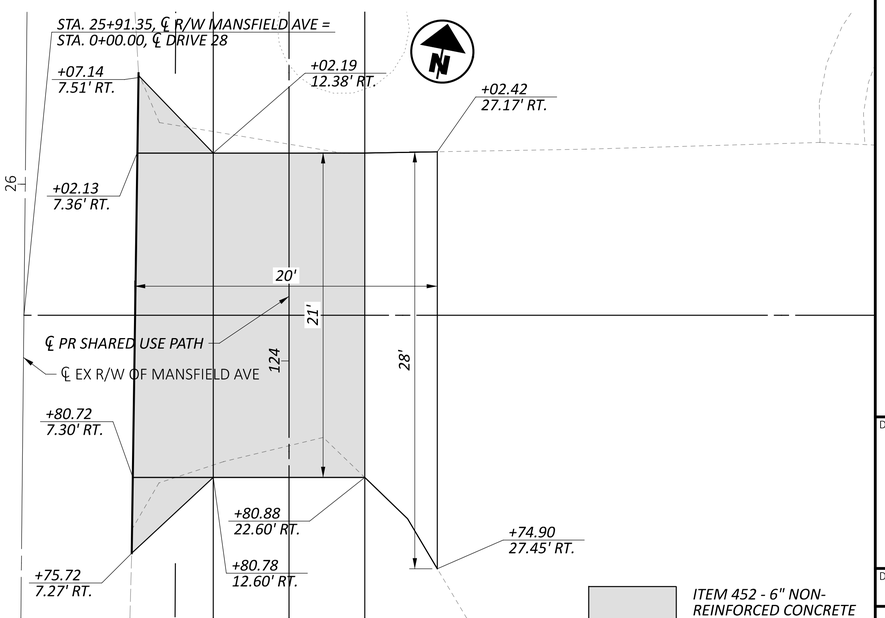
RESIDENTIAL CONCRETE/GRAVEL DRIVE



COMMERCIAL ASPHALT DRIVE



COMMERCIAL ASPHALT DRIVE



RESIDENTIAL ASPHALT DRIVE

ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P

ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P

HORIZONTAL SCALE IN FEET
0 2.5 5 10

DRIVE DETAIL PLAN

DESIGN AGENCY
EMHT

DESIGNER
SJS

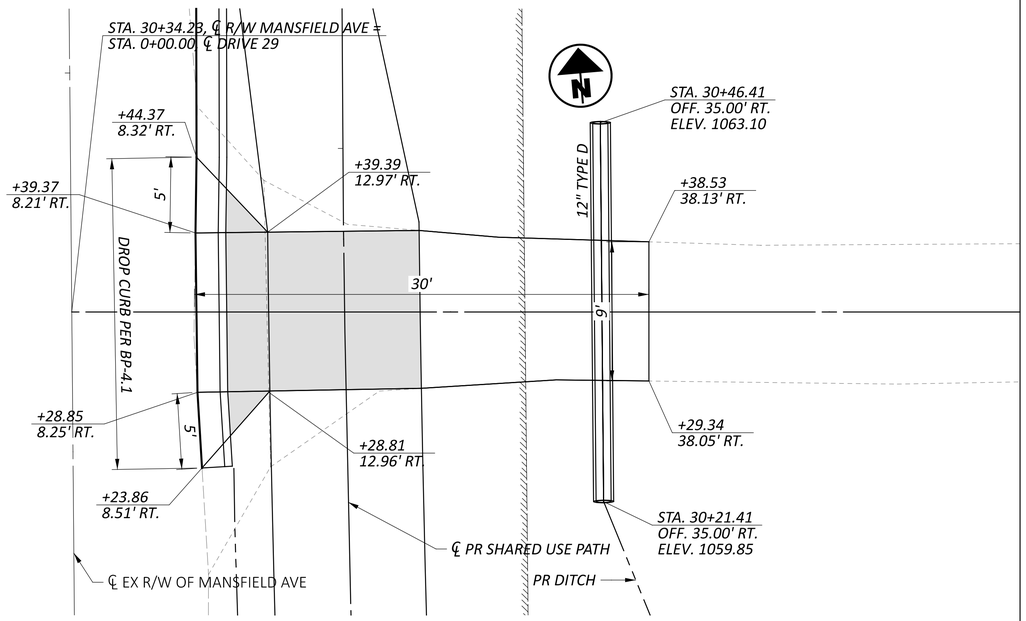
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HRB 12/13/24

PROJECT ID
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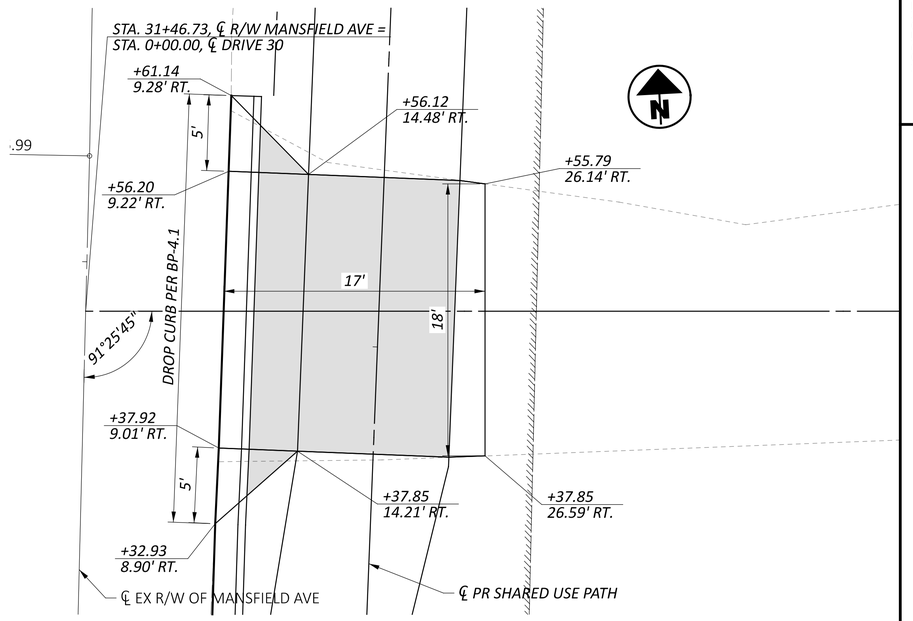
SHEET P.83 | TOTAL 111

KNO-CR5-0.47

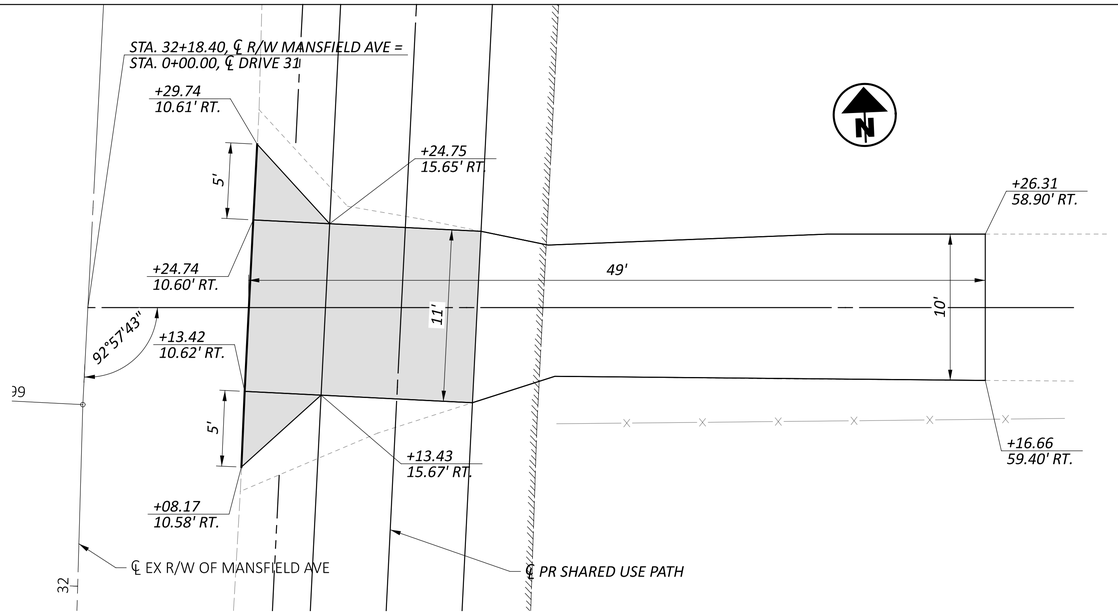
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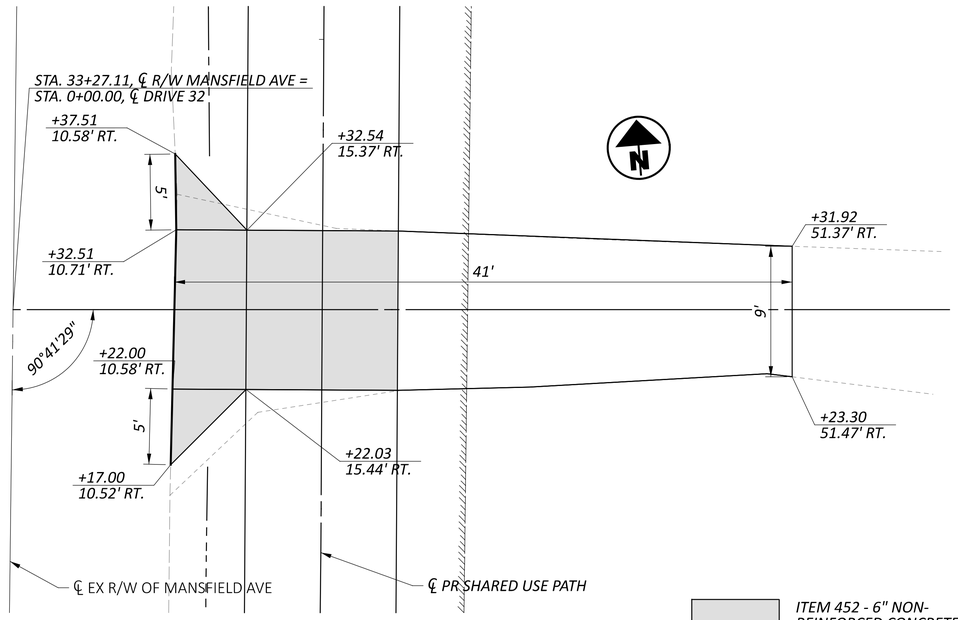
RESIDENTIAL GRAVEL DRIVE



RESIDENTIAL ASPHALT DRIVE



RESIDENTIAL GRAVEL DRIVE



ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P

ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P

RESIDENTIAL GRAVEL DRIVE

HORIZONTAL SCALE IN FEET
0 2.5 5 10

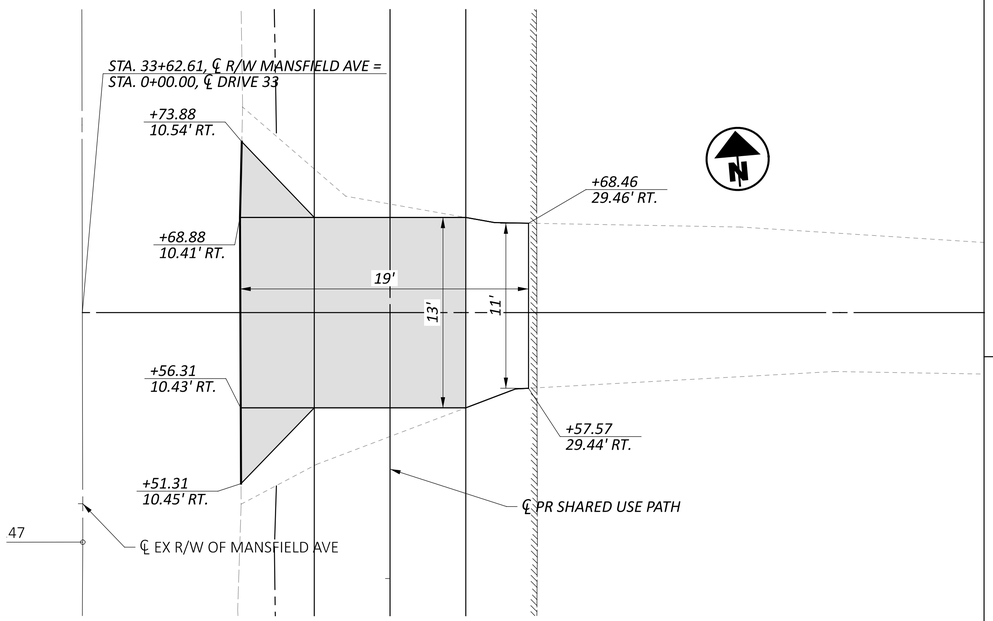
DRIVE DETAIL PLAN

KNO-CR5-0.47

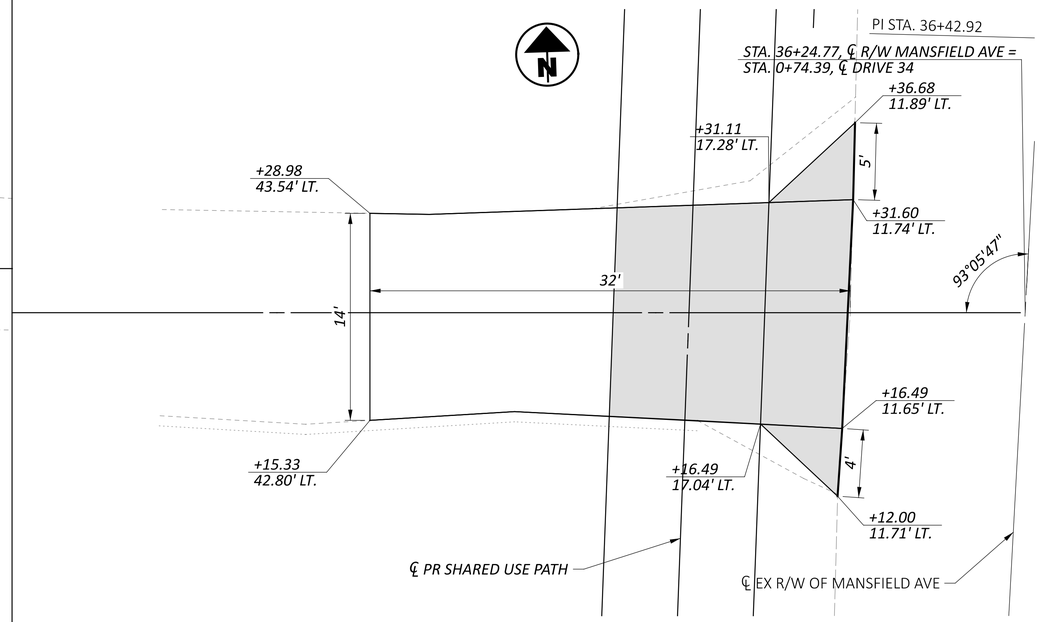
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DESIGN AGENCY
EMH&T

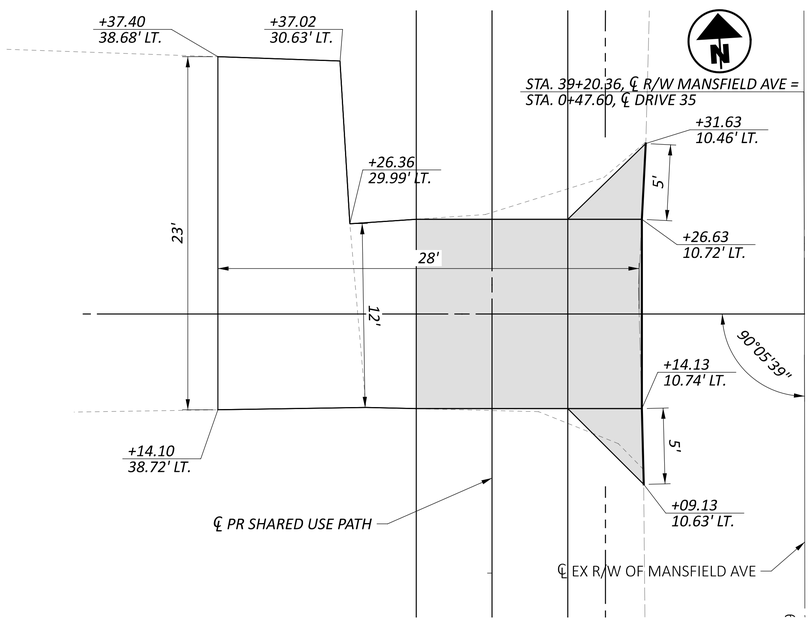
DESIGNER SJS
REVIEWER HRB 12/13/24
PROJECT ID 115280
SHEET P.84 TOTAL 111



RESIDENTIAL GRAVEL DRIVE



RESIDENTIAL GRAVEL DRIVE



RESIDENTIAL GRAVEL DRIVE/ CONCRETE DRIVE

ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P

ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P

HORIZONTAL SCALE IN FEET
0 2.5 5 10

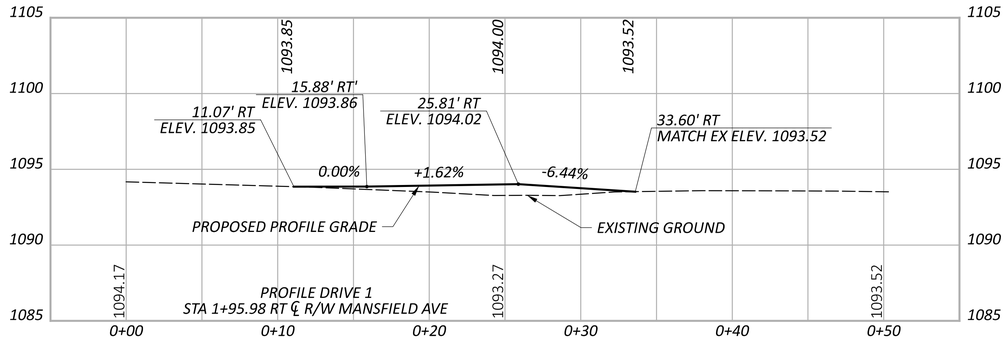
DRIVE DETAIL PLAN

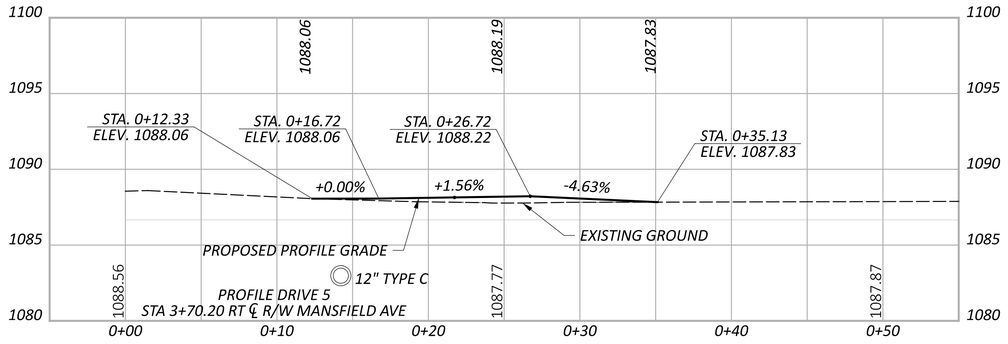
DESIGN AGENCY
EMH&T

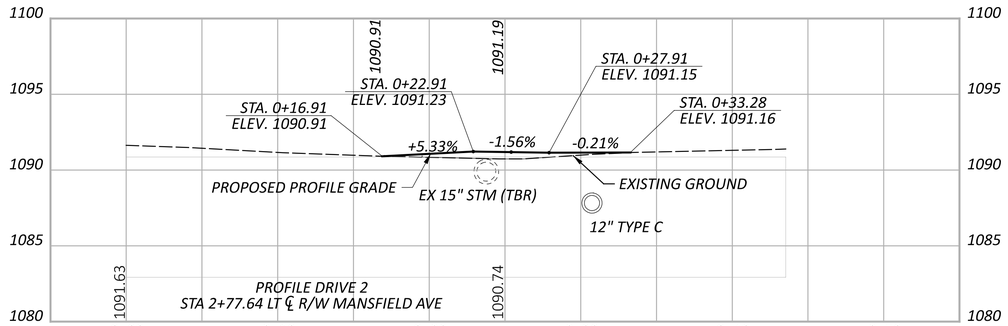
DESIGNER SJS
REVIEWER HRB 12/13/24
PROJECT ID 115280
SHEET P.85 TOTAL 111

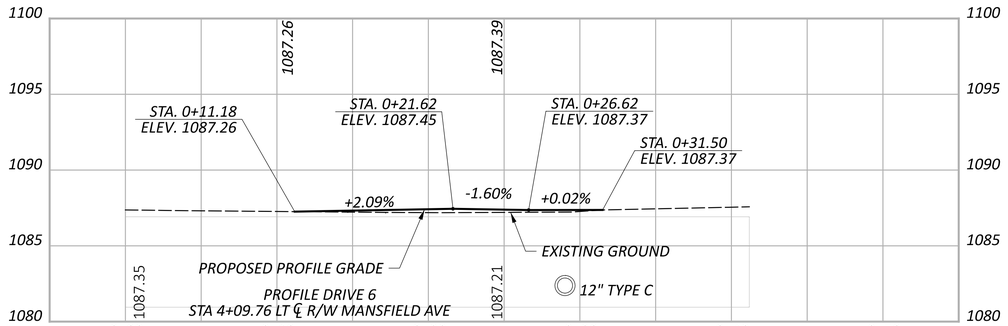
KNO-CR5-0.47

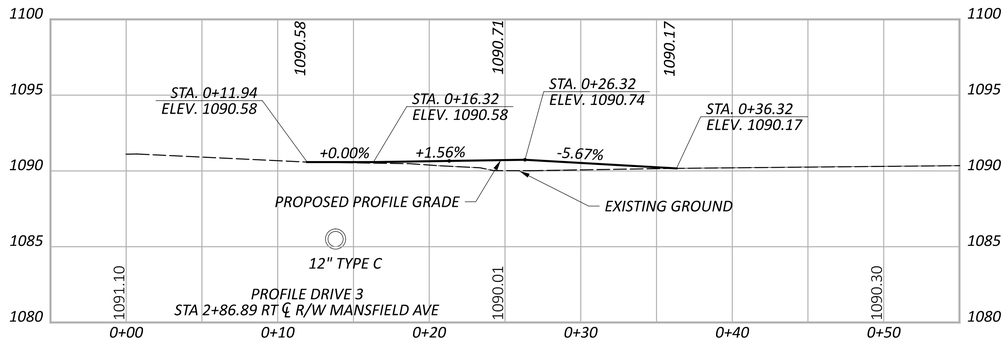
MODEL: Plan Sheet 9 PAPERSIZE: 34x22 (in.) DATE: 2/4/2025 TIME: 10:55:13 AM USER: jtheuring
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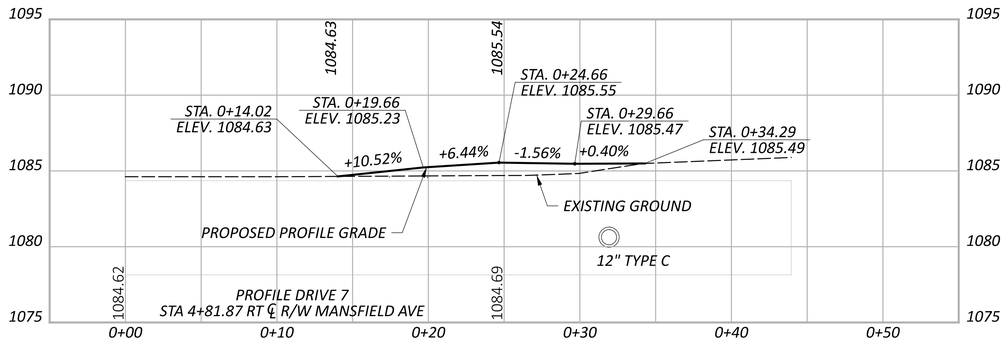


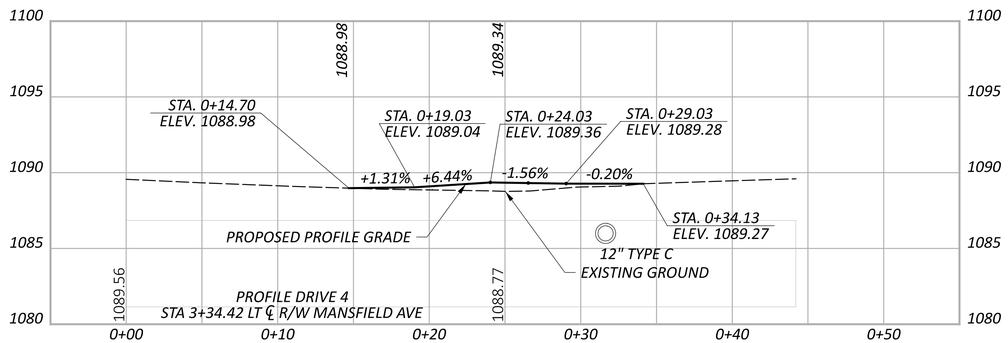


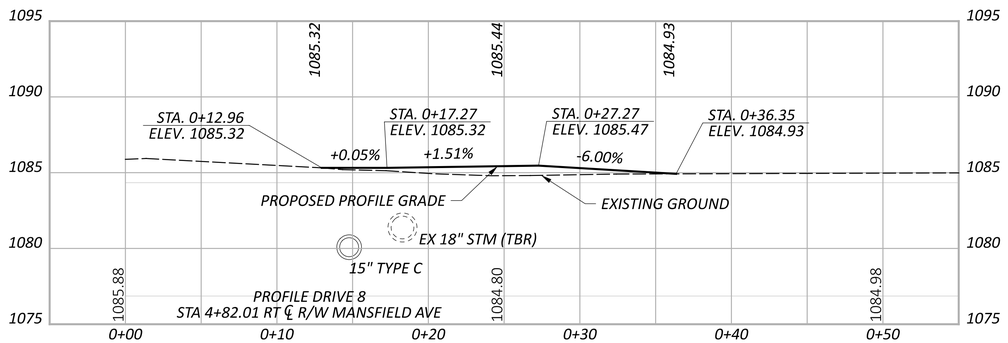












DRIVE DETAIL
PROFILE

KNO-CR5-0.47

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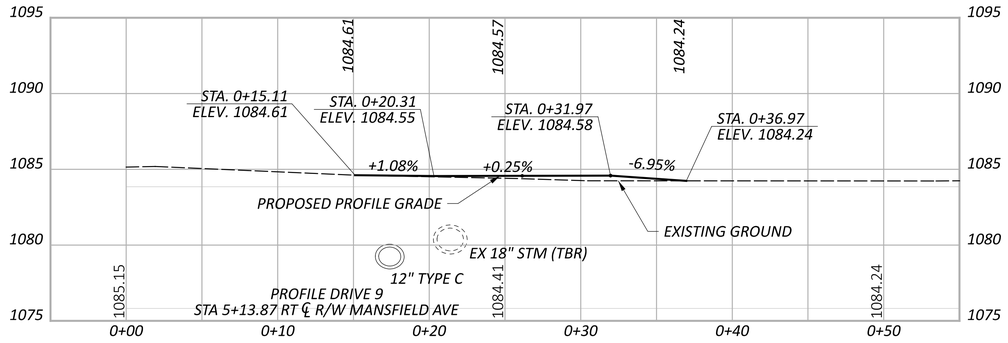
DESIGN AGENCY
EMH&T

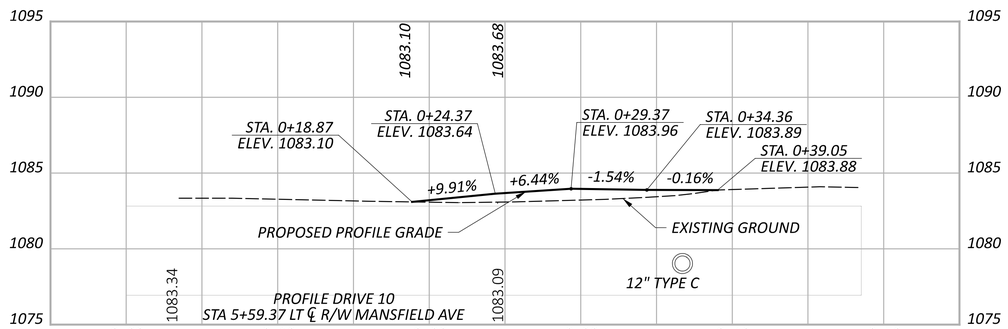
DESIGNER
SJS

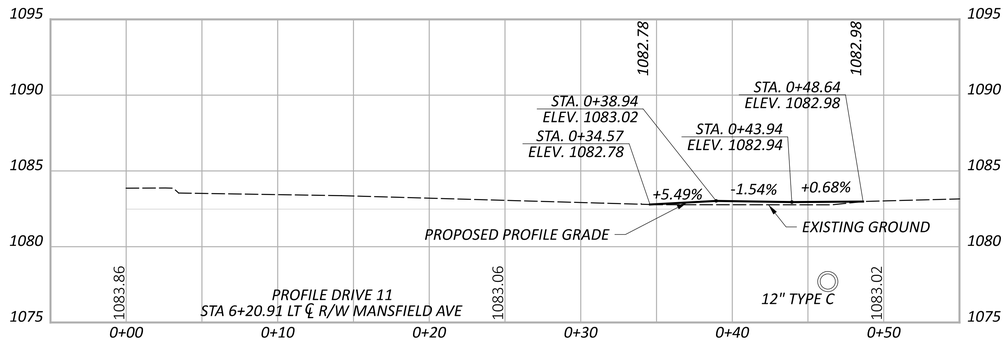
REVIEWER
HRB 12/13/24

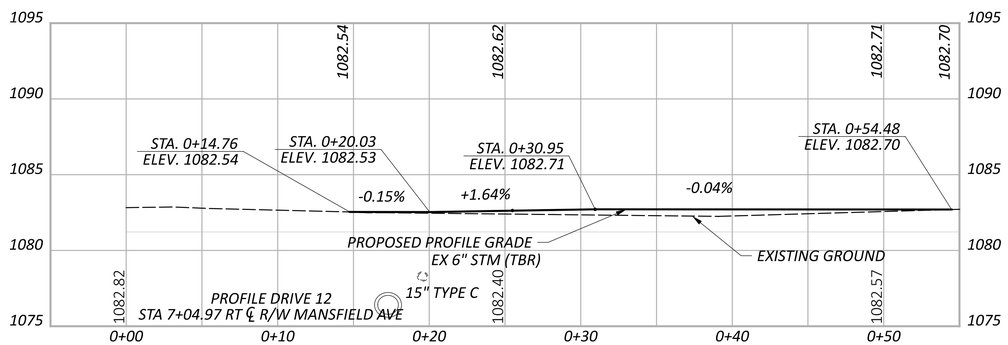
PROJECT ID
115280

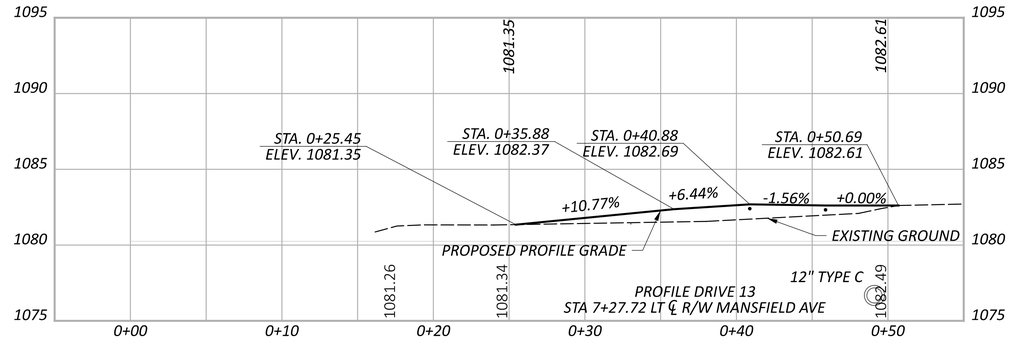
SHEET P.86 | TOTAL 111

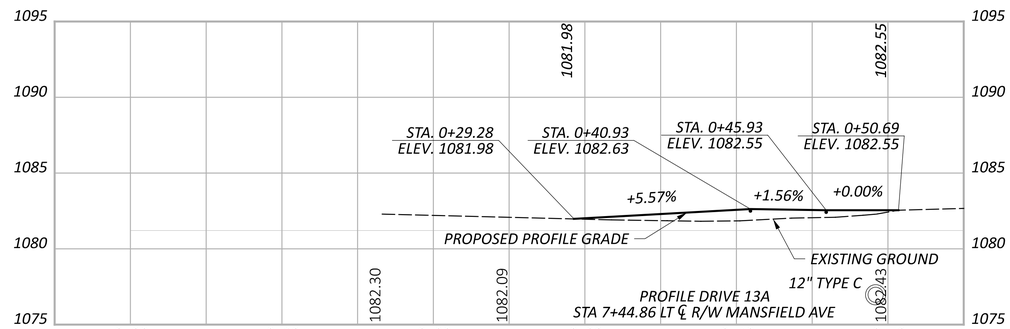


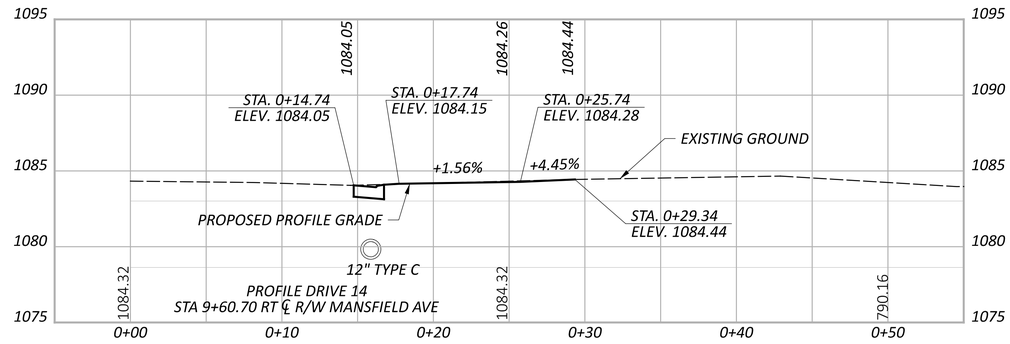


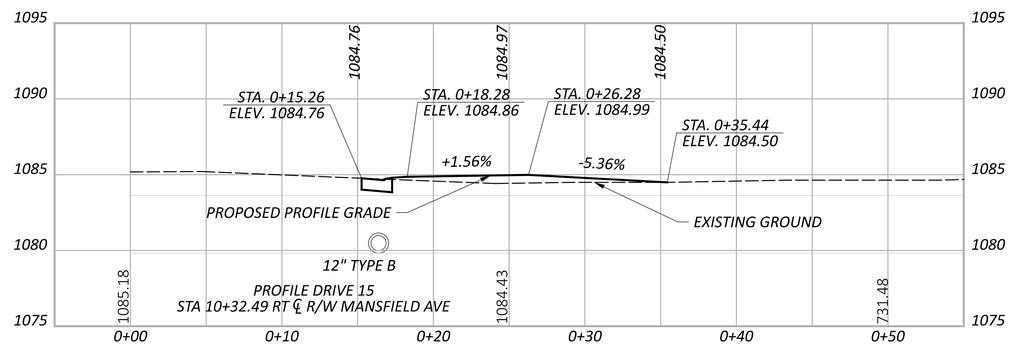












DRIVE DETAIL
PROFILE

DESIGN AGENCY
EMH&T

DESIGNER
SJS

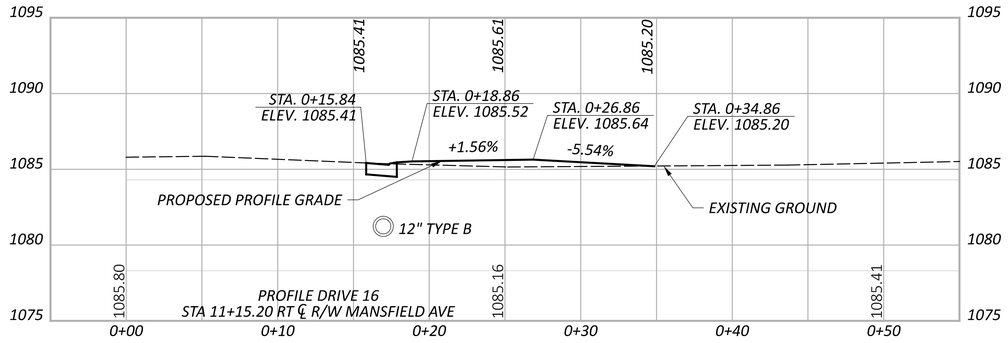
REVIEWER
HRB 12/13/24

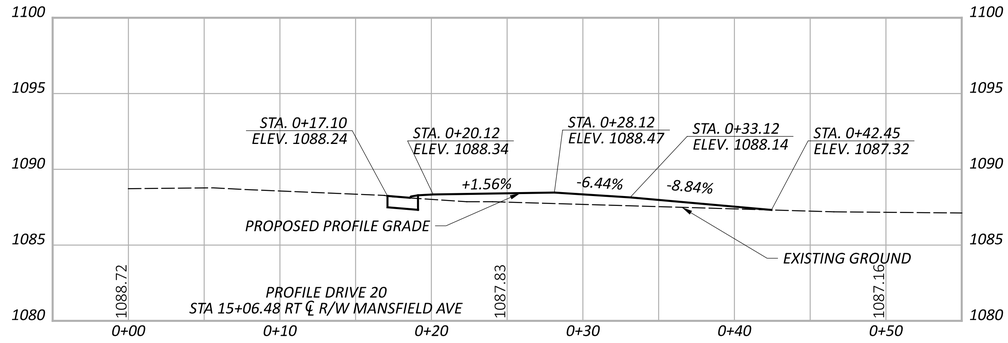
PROJECT ID
115280

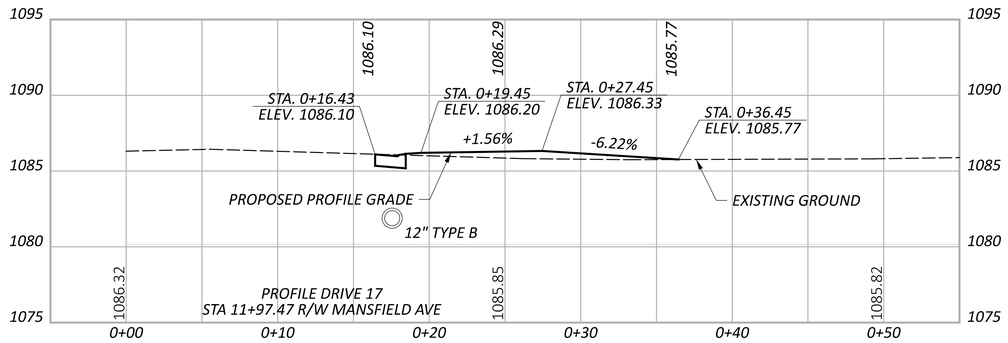
SHEET P.87 | TOTAL 111

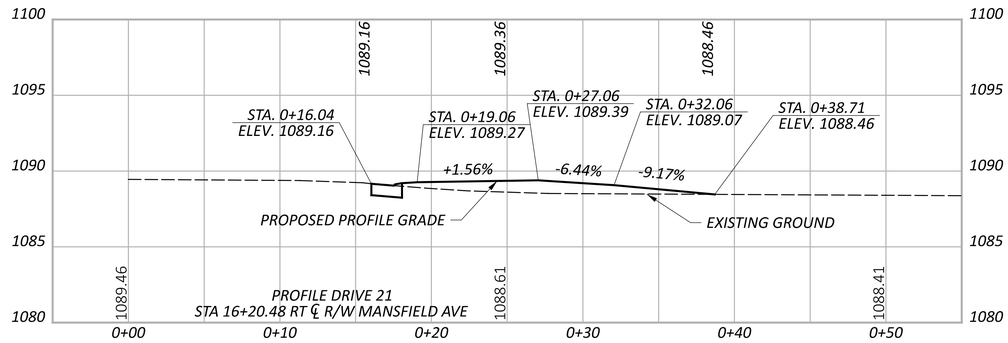
KNO-CR5-0.47

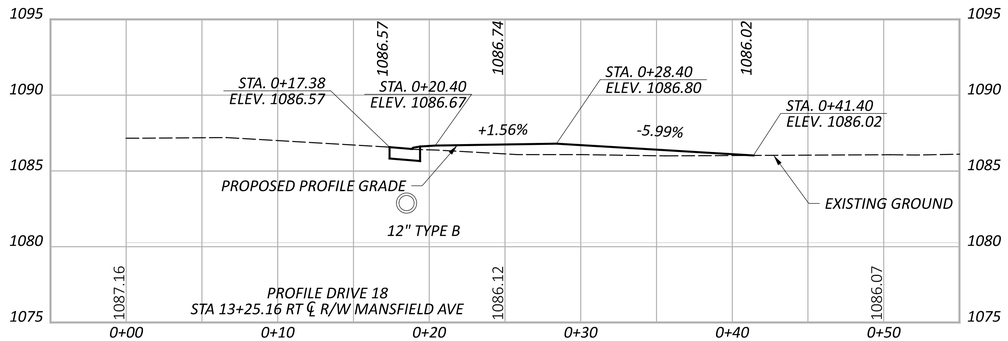
MODEL: Profile Sheet 2 PAPERSIZE: 34x22 (in.) DATE: 2/4/2025 TIME: 10:55:17 AM USER: jtheuring
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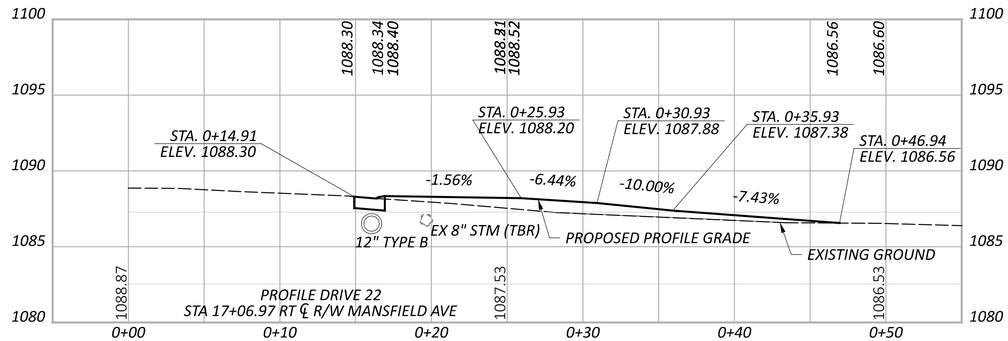


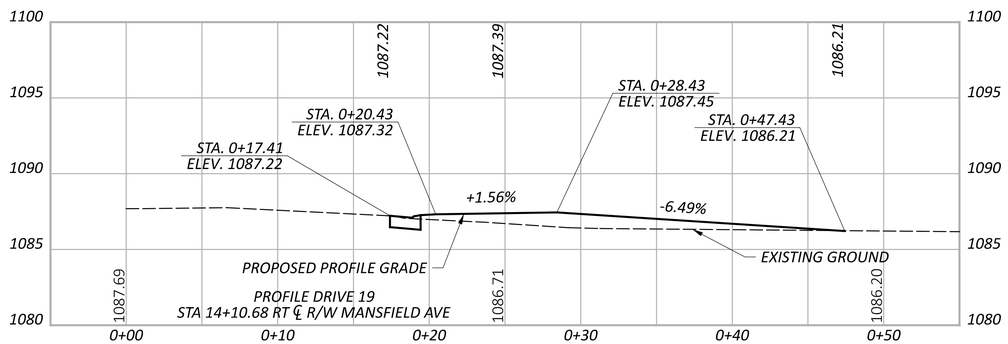


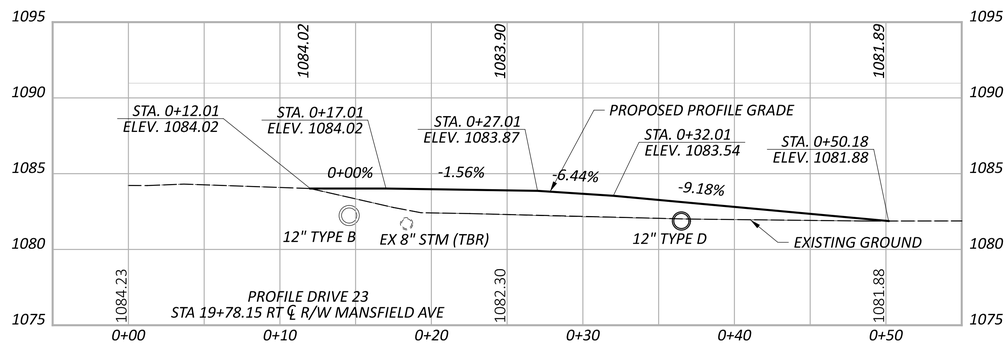












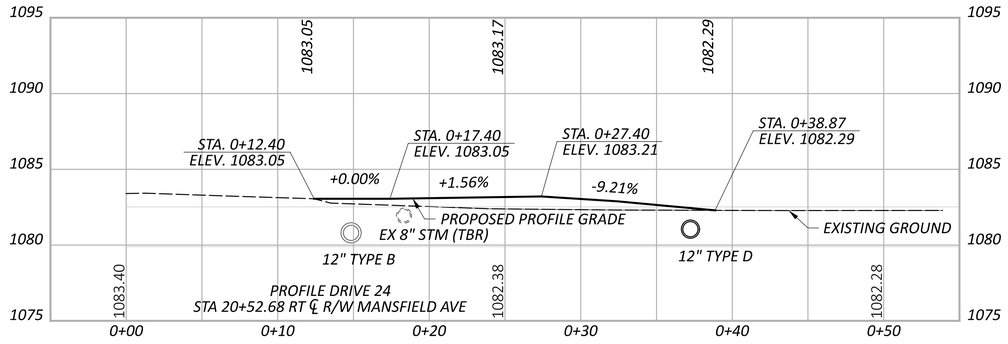
DRIVE DETAIL
PROFILE

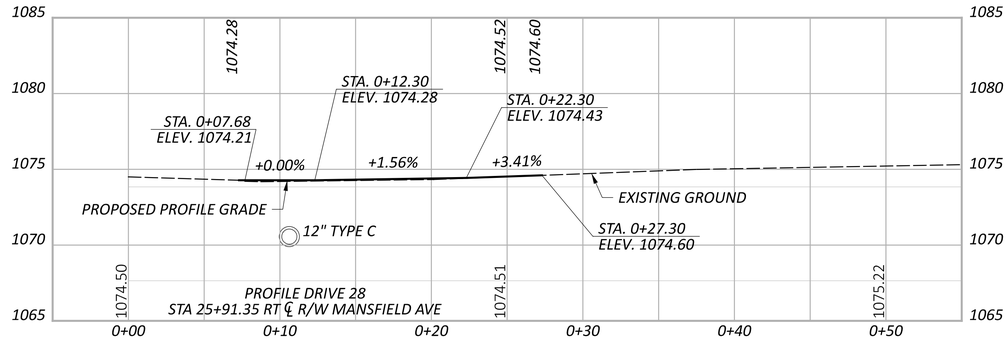
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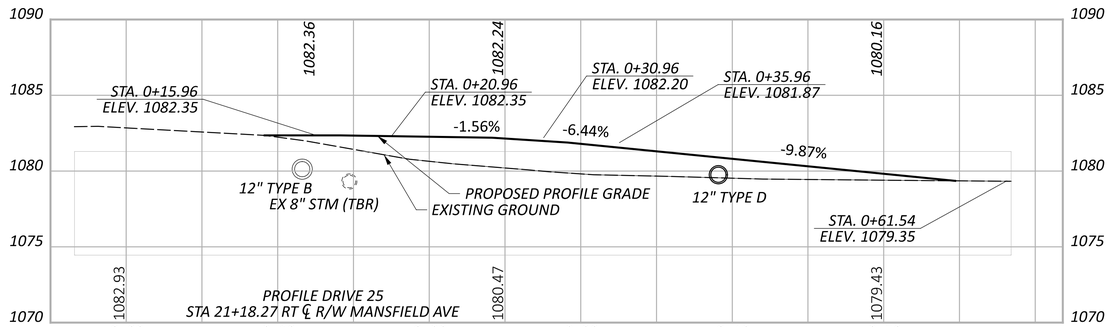
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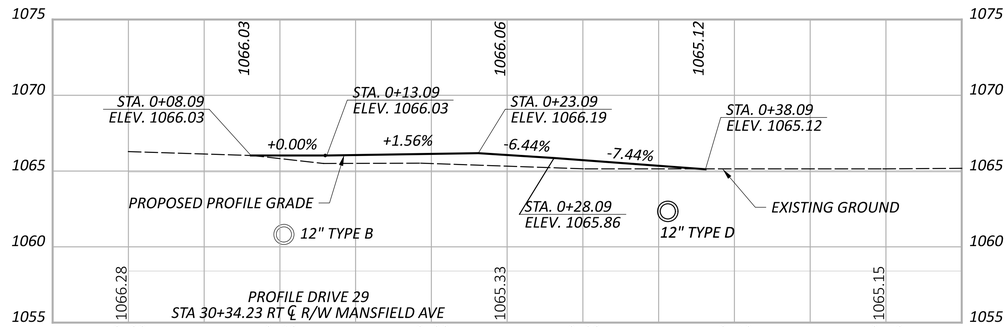
DESIGN AGENCY
EMH&T

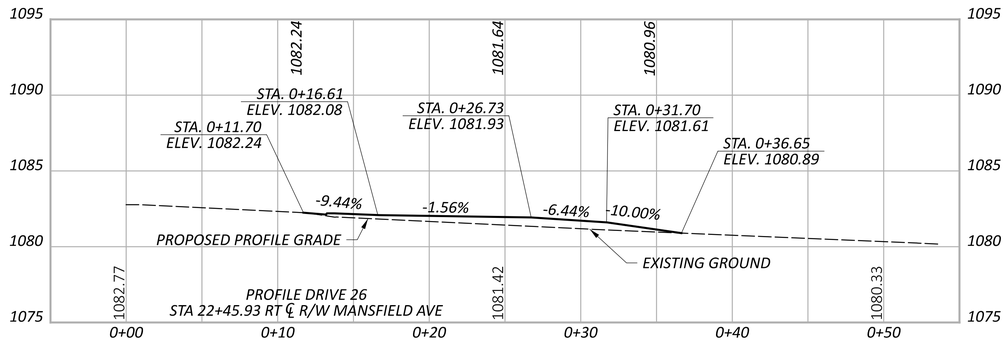
DESIGNER SJS
REVIEWER HRB 12/13/24
PROJECT ID 115280
SHEET P.88 TOTAL 111

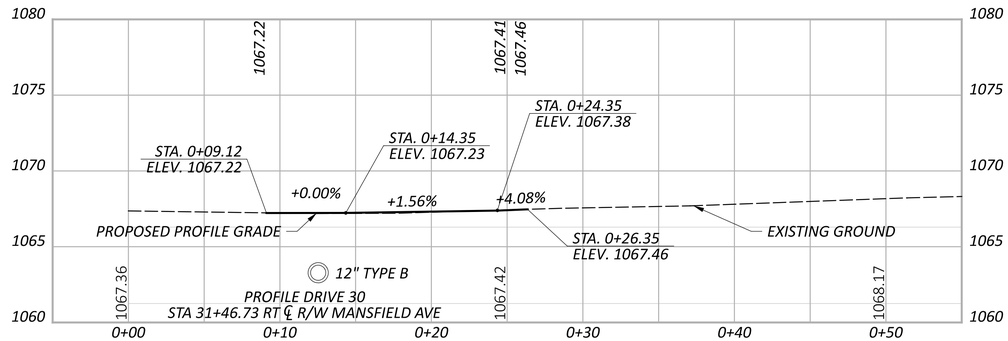


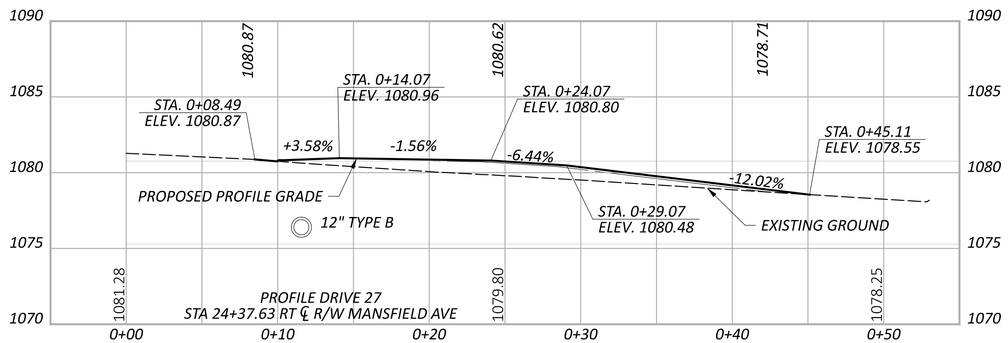


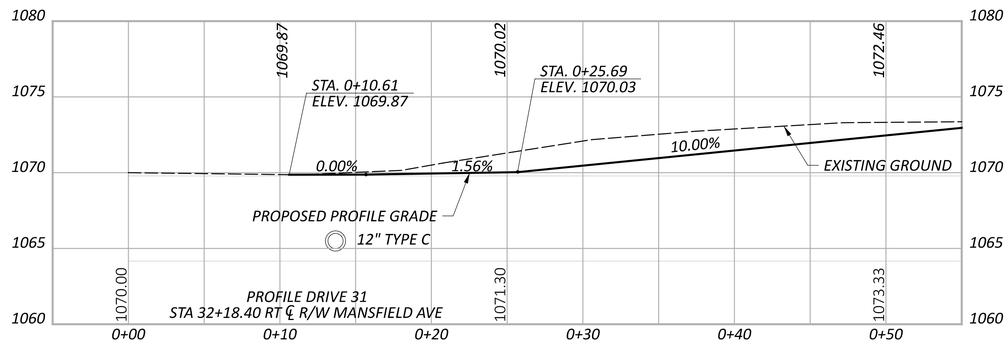












DRIVE DETAIL
PROFILE

DESIGN AGENCY
EMH&T

DESIGNER
SJS

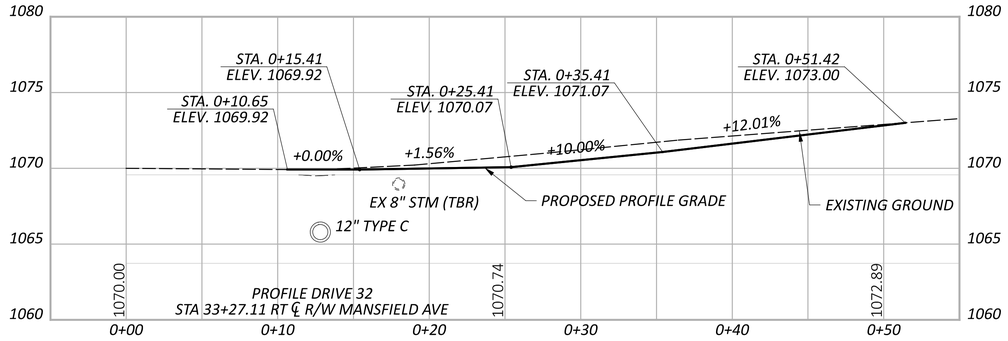
REVIEWER
HRB 12/13/24

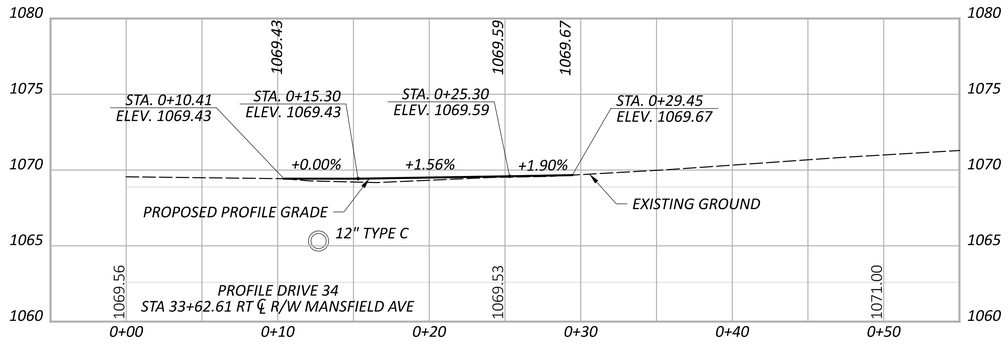
PROJECT ID
115280

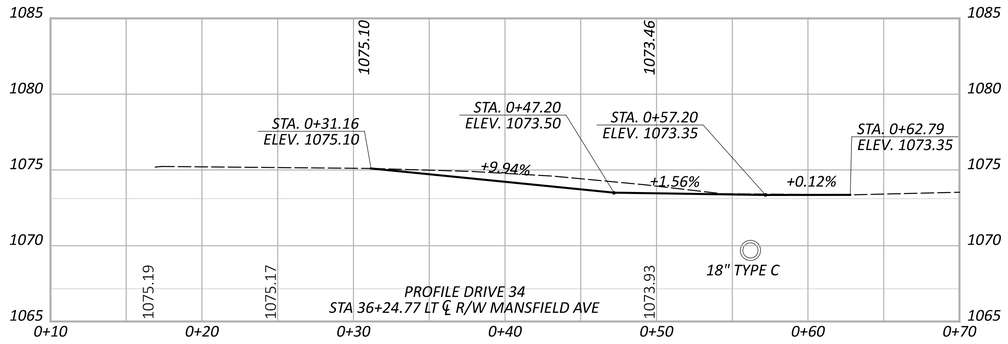
SHEET P.89 | TOTAL 111

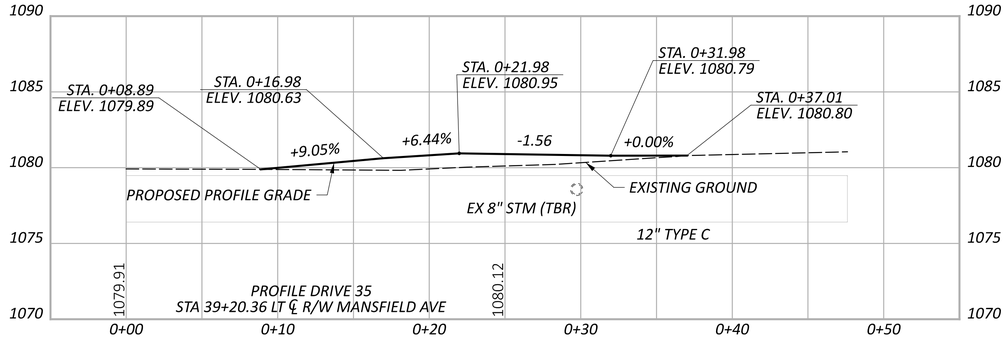
KNO-CR5-0.47

MODEL: Profile Sheet 4 PAPERSIZE: 34x22 (in.) DATE: 2/4/2025 TIME: 10:55:18 AM USER: jtheuring
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DRIVE DETAIL
PROFILE

KNO-CR5-0.47

MODEL: Profile Sheet 5 PAPERSIZE: 34x22 (in.) DATE: 2/4/2025 TIME: 10:55:19 AM USER: jheuring
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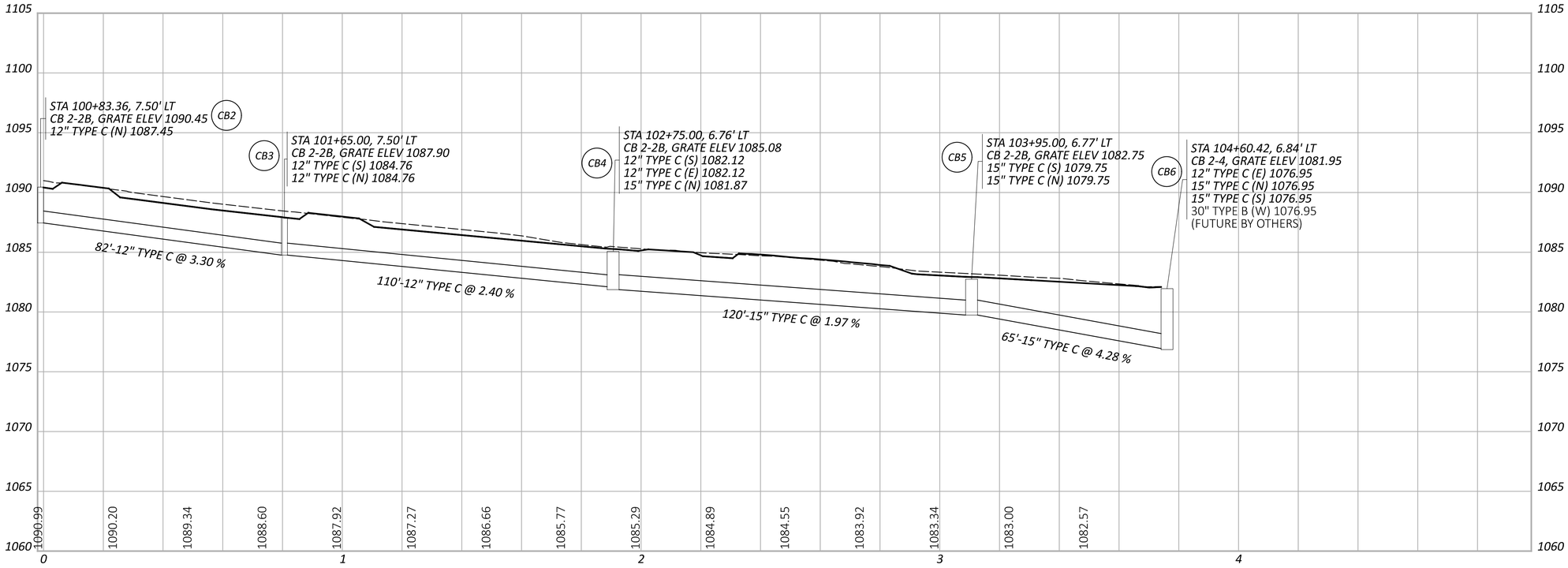
DESIGN AGENCY
EMH&T

DESIGNER
SJS

REVIEWER
HRB 04-16-24

PROJECT ID
115280

SHEET P.90 | TOTAL 111



STORM SEWER PROFILES

KNO-CR5-0.47

MODEL: STM PROFILE - CB2-CB6 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 11:42:09 AM USER: jtheuring
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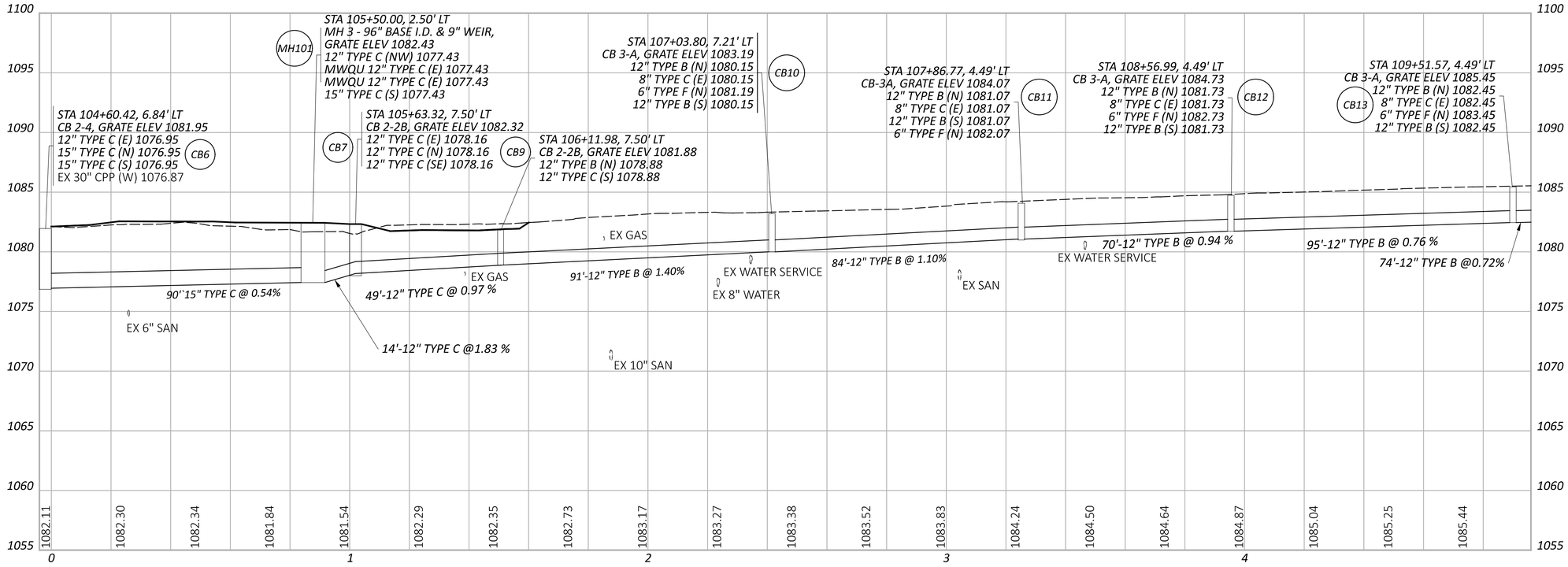
DESIGN AGENCY
EMH&T

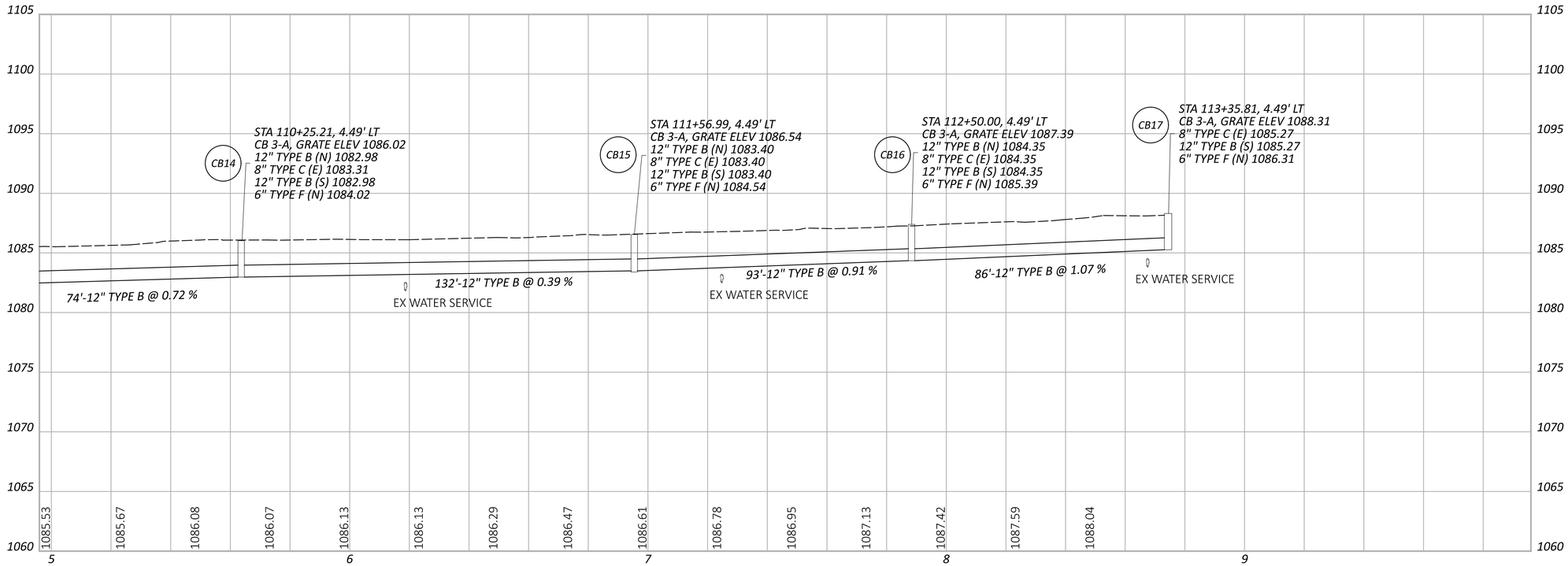
DESIGNER
JPT

REVIEWER
HRB 12/13/24

PROJECT ID
115280

SHEET P.91 | TOTAL 111





KNO-CR5-0.47

MODEL: STM PROFILE - CB6-CB17 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:24:12 AM USER: jtheuring
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STORM SEWER PROFILES

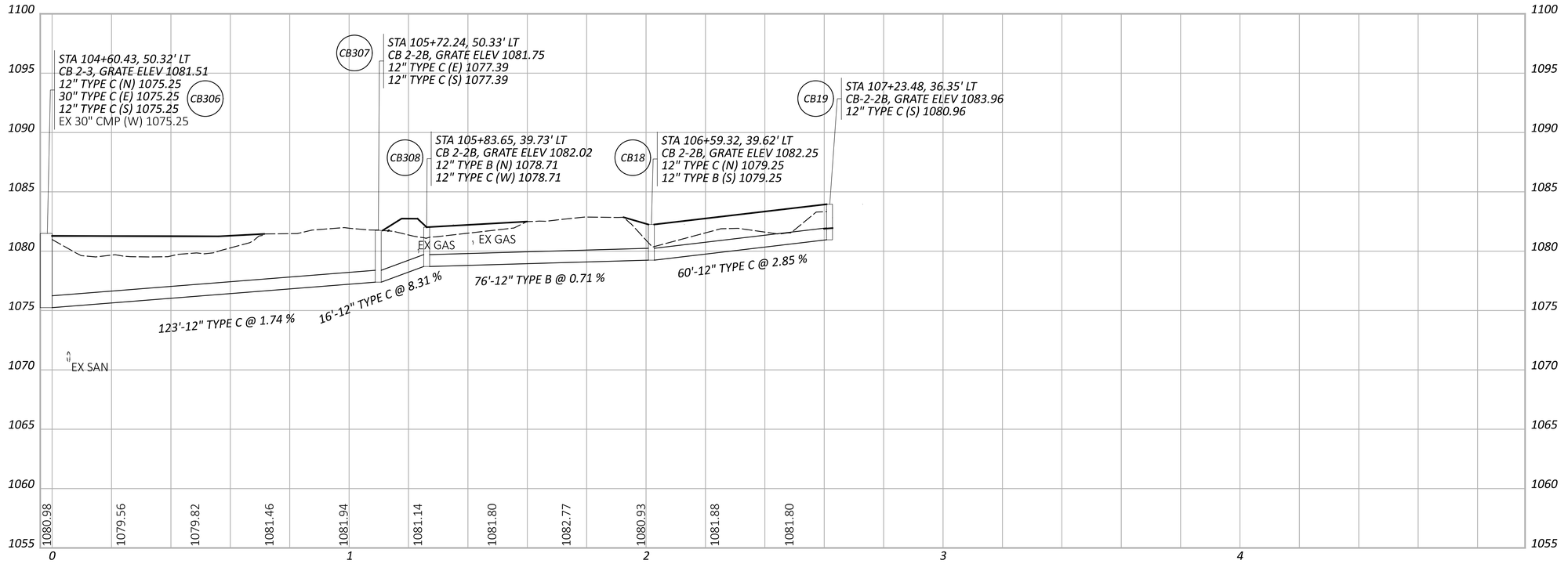
DESIGN AGENCY
EMH&T

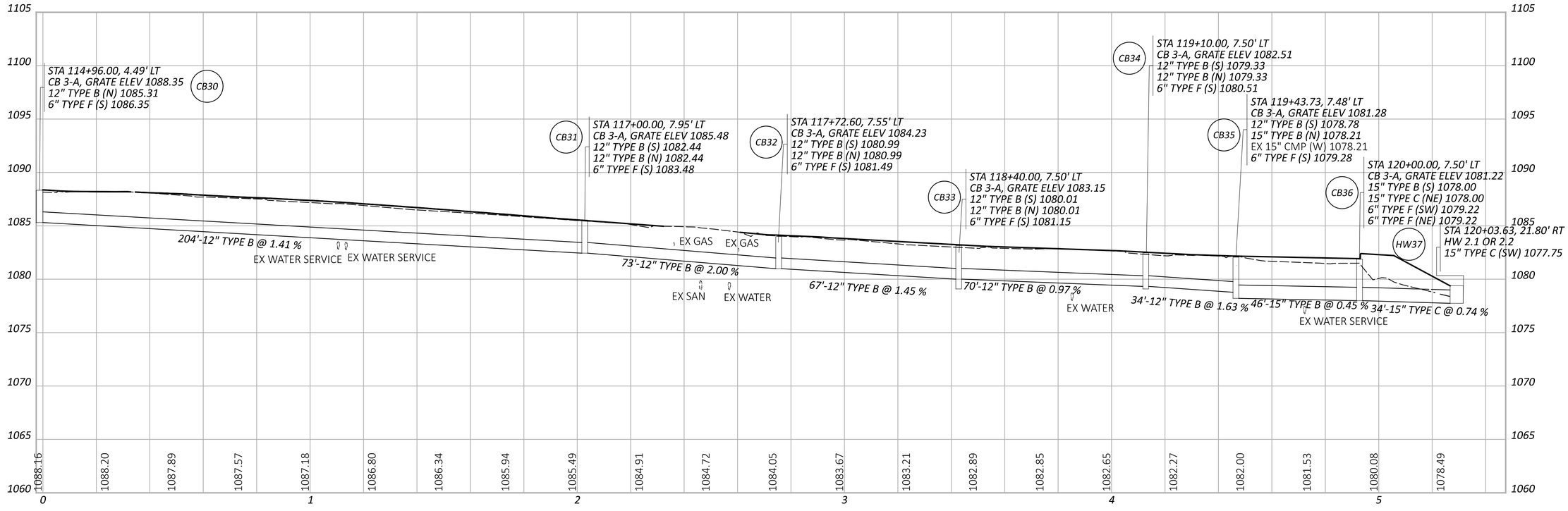
DESIGNER
JPT

REVIEWER
HRB 12/13/24

PROJECT ID
115280

SHEET P.92 | TOTAL 111





STORM SEWER PROFILES

KNO-CR5-0.47

MODEL: STM PROFILE - CB306-CB19 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 11:41:19 AM USER: jtheuring
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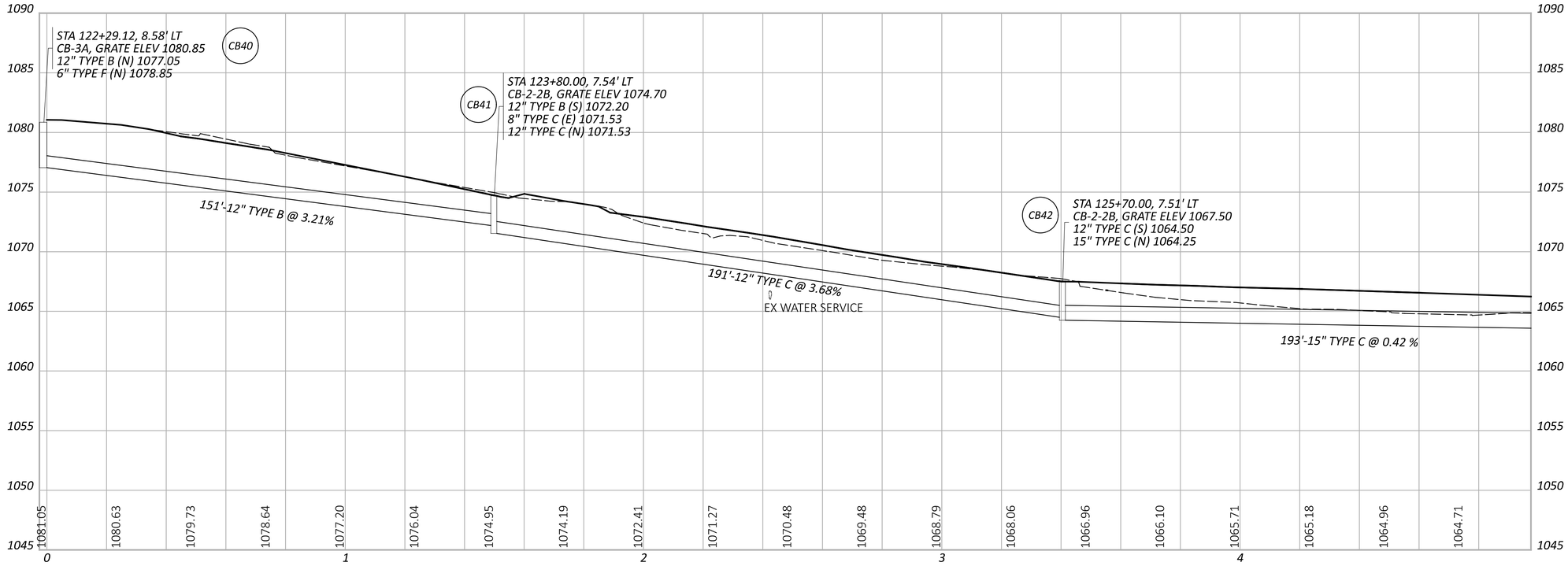
DESIGN AGENCY
EMH&T

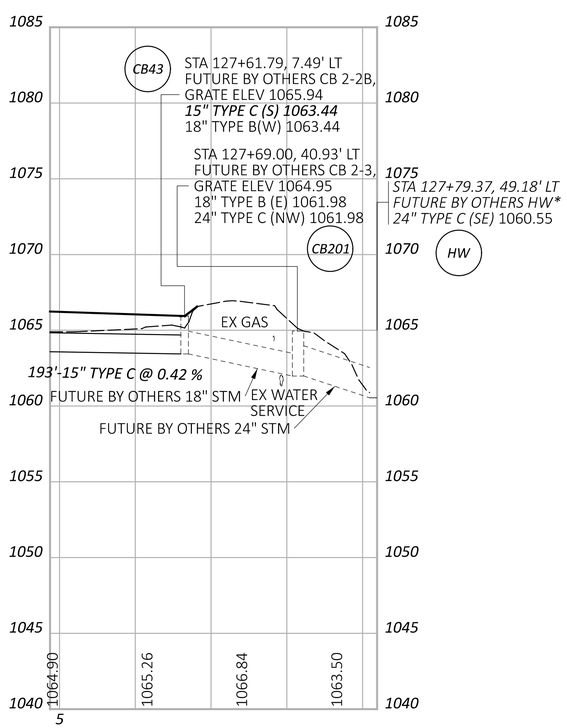
DESIGNER
JPT

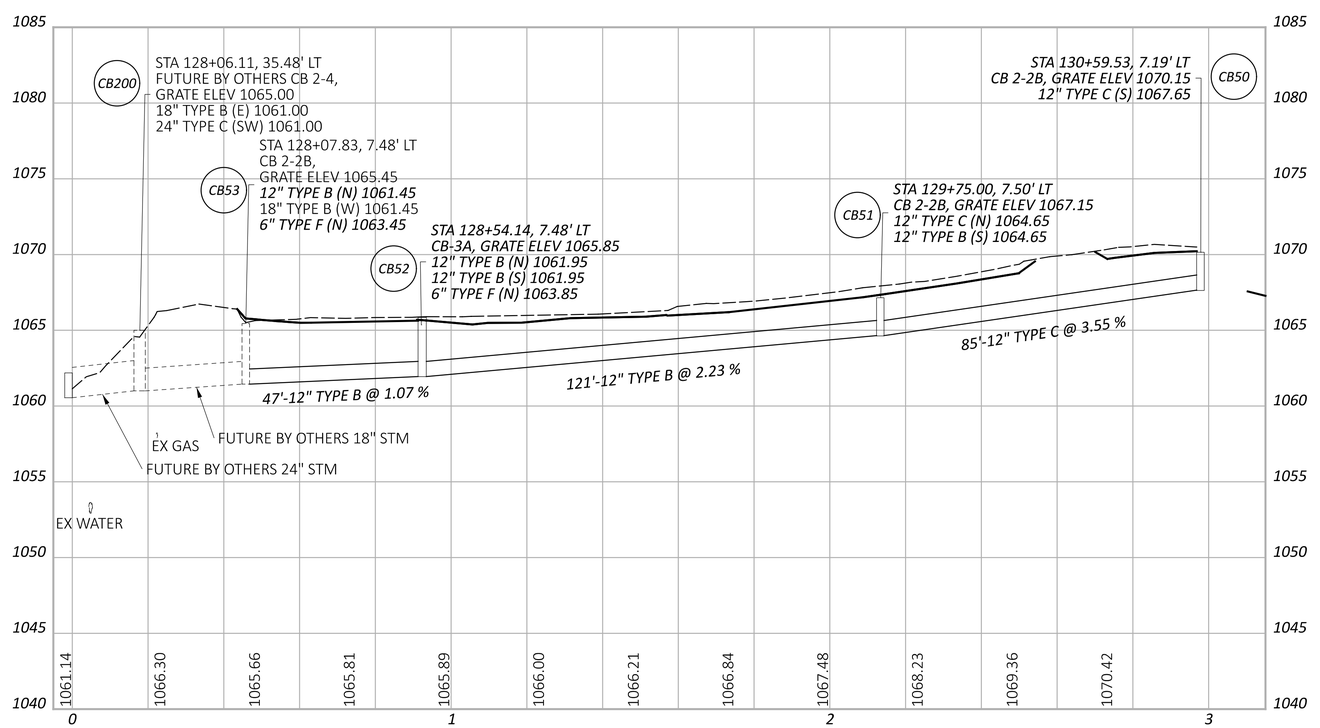
REVIEWER
HRB 12/13/24

PROJECT ID
115280

SHEET P.93 TOTAL 111







STORM SEWER PROFILES

KNO-CR5-0.47

MODEL: STM PROFILE - CB40-CB201 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:24:13 AM USER: jtheuring
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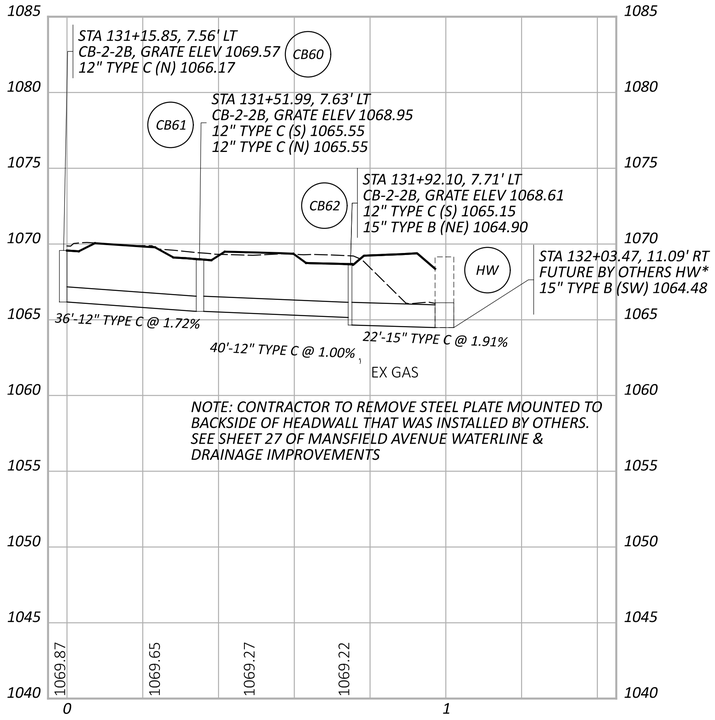
DESIGN AGENCY
EMH&T

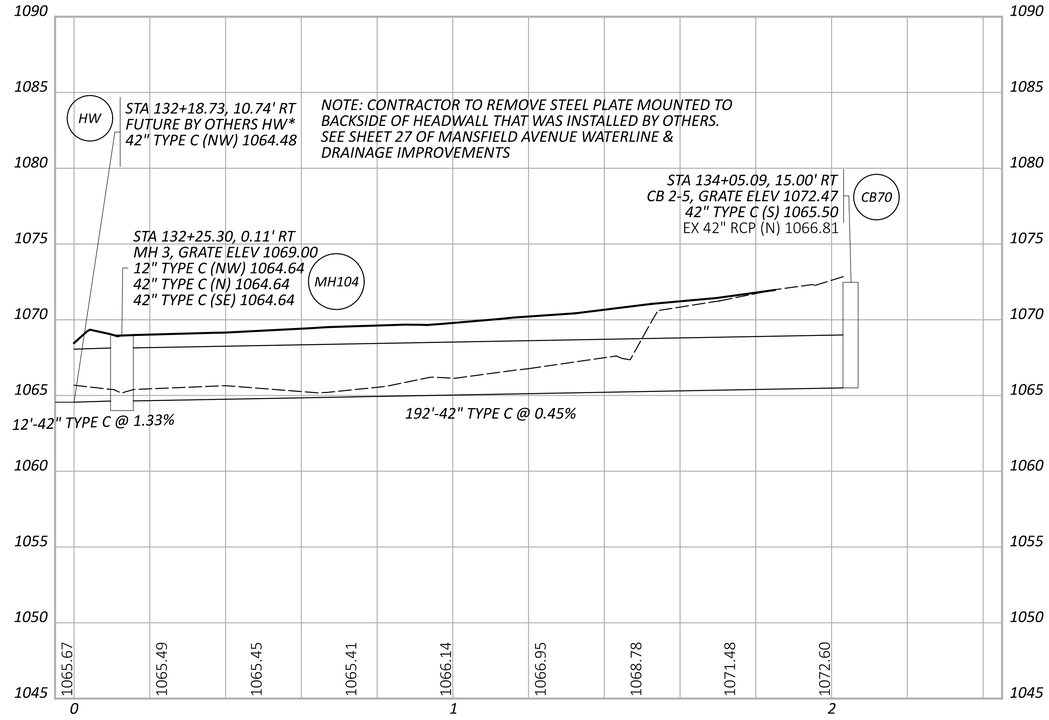
DESIGNER
JPT

REVIEWER
HRB 12/13/24

PROJECT ID
115280

SHEET P.94 | TOTAL 111





** - WORK SHOWN IS FROM PLAN SET MANSFIELD AVENUE WATERLINE & DRAINAGE IMPROVEMENTS*

STORM SEWER PROFILES

KNO-CR5-0.47

MODEL: STM PROFILE - CB60-CB62 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:24:13 AM USER: jtheuring
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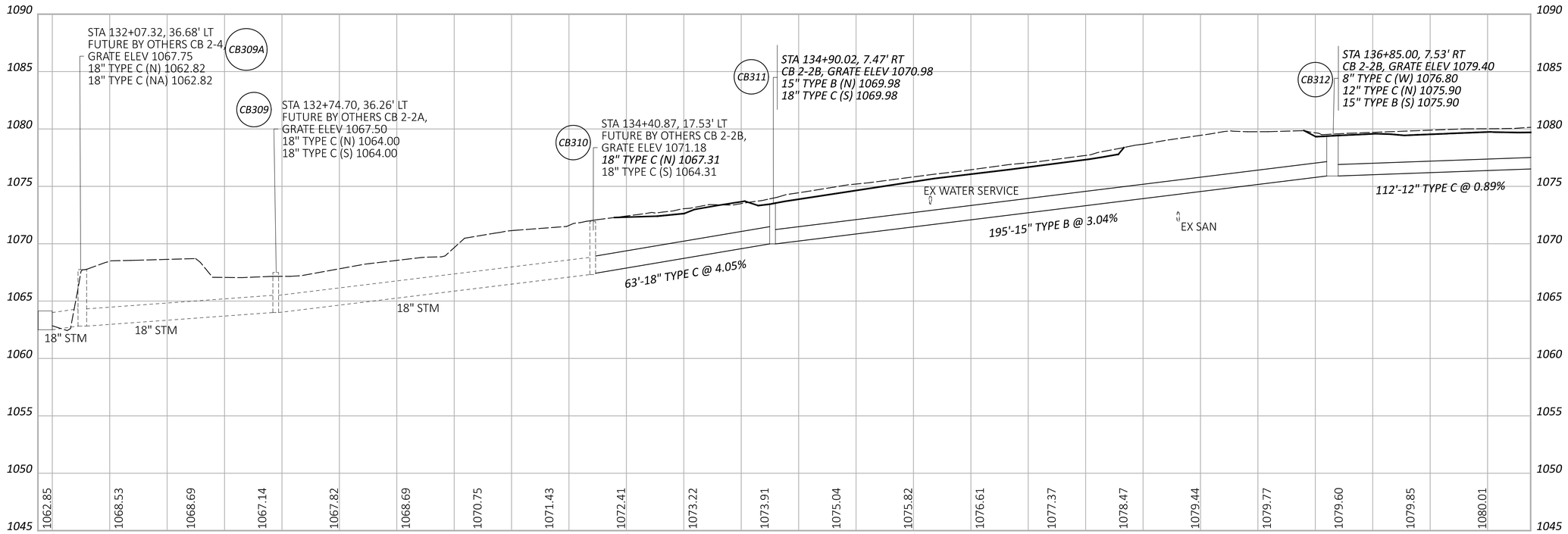
DESIGN AGENCY
EMH&T

DESIGNER
JPT

REVIEWER
HRB 12/13/24

PROJECT ID
115280

SHEET P.95 | TOTAL 111



STORM SEWER PROFILES

KNO-CR5-0.47

MODEL: STM PROFILE - HW110-CB315 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 1/31/2025 TIME: 10:24:13 AM USER: jtheuring
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DESIGN AGENCY
EMH&T

DESIGNER	JPT
REVIEWER	HRB 12/13/24
PROJECT ID	115280
SHEET	P.96
TOTAL	111

ITEM 870 - PREFABRICATED MODULAR RETAINING WALL

THIS WALL CONFORMS TO THE 9TH EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE STATE HIGHWAY BRIDGES AND TRANSPORTATION OFFICIALS, 9TH EDITION, 2020 AND ODOT SUPPLEMENTAL SPECIFICATION 870, UNLESS OTHERWISE MODIFIED HEREIN. ALL EARTHWORK AND BACKFILL MATERIALS SHALL CONFORM TO THE 2023 ODOT CONSTRUCTION AND MATERIALS SPECIFICATIONS, UNLESS OTHERWISE SPECIFIED BY THE WALL SUPPLIER.
THE CONTRACTOR SHALL WORK WITH THE MANUFACTURER TO PROVIDE INTERNAL AND EXTERNAL STABILITY DESIGN CALCULATIONS AND SHOP DRAWINGS ALONG WITH MATERIALS, CONSTRUCTION, EQUIPMENT, LABOR, ETC.

DESIGN DATA:
THE FOLLOWING DESIGN DATA IS PROVIDED FOR INFORMATION ONLY. THE WALL SUPPLIERS SHALL BE RESPONSIBLE FOR THE FINAL DESIGN OF THE MODULAR BLOCK WALL SYSTEM.
INTERNAL ANGLE OF FRICTION BACKFILL SOIL, ØF = 34°
TOTAL UNIT WEIGHT OF BACKFILL SOIL = 130 PCF
INTERNAL ANGLE OF FRICTION FOUNDATION SOIL, ØF = 24°
EQUIVALENT SLOPE OF BACKFILL = VARIES, SEE WALL PLAN
MAXIMUM FOUNDATION BEARING PRESSURE = 2,500 PSF
SLOPE BEHIND WALL = 6:1

THE MANUFACTURER'S PLANS SHALL BE USED TO SUPPLEMENT BUT NOT SUPERSEDE THE PLANS AND SPECIFICATIONS PROVIDED IN THIS PLAN SET.

THIS ITEM SHALL INCLUDE THE CONSTRUCTION OF AN INTERLOCKING BLOCK WET-CAST CONCRETE GRAVITY RETAINING SYSTEM. THE WALL SHALL BE CONSTRUCTED PER THE MANUFACTURER'S SPECIFICATIONS. THE WALL SHALL BE CONSTRUCTED TO THE HEIGHT INDICATED IN THE PLANS.

THE MODULAR BLOCK WALL SHALL HAVE A NATURAL SANDSTONE TEXTURE. CONTRACTOR SHALL SUBMIT TEXTURE TO CITY FOR APPROVAL PRIOR TO ORDERING.

DO NOT START FABRICATION OF THE MODULAR BLOCK UNITS UNTIL THE SHOP DRAWINGS AND DESIGN CALCULATIONS HAVE BEEN ACCEPTED BY THE ENGINEER. ALL DECORATIVE/COLOR SELECTIONS SHALL BE APPROVED BY THE OWNER PRIOR TO SCHEDULING.

EXCAVATION LIMITS OF THE MODULAR BLOCK WALL SHALL EXTEND 1'-0" FROM THE FURTHEST EDGE OF LEVELING PAD TO EXISTING GRADE AT A 1.5:1 SLOPE OR AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.

FOUNDATION RESISTANCE:
THE FACTORED BEARING RESISTANCE SHALL BE 2500 KIPS PER SQUARE FOOT.

DRAINAGE:
ALL PERFORATED AND NON-PERFORATED PIPES SHALL BE INSTALLED PER ODOT C&MS 518 AND ODOT SUPPLEMENTAL SPECIFICATION 870. THE PERFORATED PIPE SHALL BE WRAPPED WITH A BLACK SYNTHETIC SOCK.

SUBMITTALS:
THE WALL SUPPLIER SHALL SUBMIT STAMPED DESIGN COMPUTATIONS (INCLUDING BOTH INTERNAL AND EXTERNAL STABILITY) AND STAMPED SCALED SHOP DRAWINGS TO THE ENGINEER AT LEAST 45 DAYS PRIOR TO COMMENCEMENT OF WORK. NO WORK OR ORDERING OF MATERIALS FOR THE STRUCTURE SHALL BE DONE BY THE CONTRACTOR UNTIL THE SUBMITTAL HAS BEEN ACCEPTED IN WRITING BY THE ENGINEER. THE SUBMITTAL TO THE ENGINEER SHALL INCLUDE TWO HARD COPIES AND ONE ELECTRONIC COPY IN PDF FORMAT. SCALED SHOP DRAWINGS SHALL BE 11 INCHES BY 17 INCHES IN DIMENSION, CONFORMING TO ODOT PLAN REQUIREMENTS. THE SHOP DRAWING SHALL BE STAMPED BY OHIO PROFESSIONAL ENGINEERS AND SHALL INCLUDE ALL DETAILS, DIMENSIONS, QUANTITIES AND CROSS SECTIONS NECESSARY TO CONSTRUCT THE WALL.

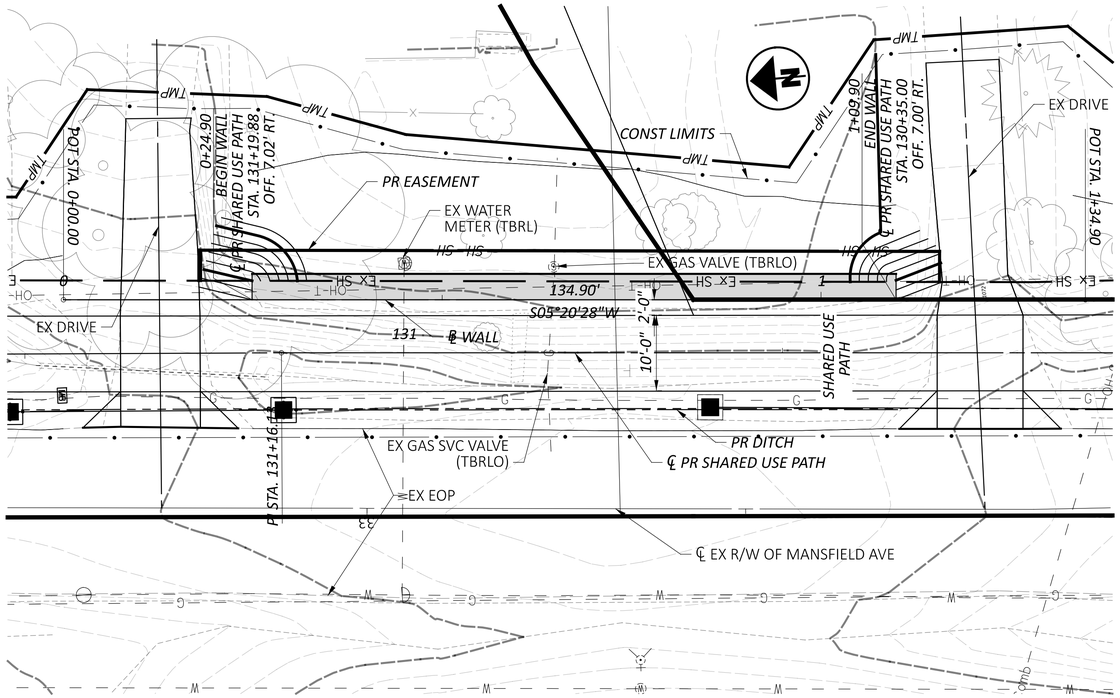
PAYMENT:
THE CONTRACTOR SHALL INCLUDE ALL NECESSARY LABOR, INCIDENTALS, MATERIALS, EQUIPMENT, ETC. REQUIRED TO FABRICATE AND INSTALL PREFABRICATED MODULAR RETAINING WALL, INCLUDING EXAVATION, AGGREGATE BASE, POROUS BACKFILL AND DRAINAGE. PAYMENT SHALL BE AT THE SQUARE FOOT COST UNDER ITEM 870.

ESTIMATED QUANTITIES — CALCULATED BY: CAS — CHECKED BY: SJS

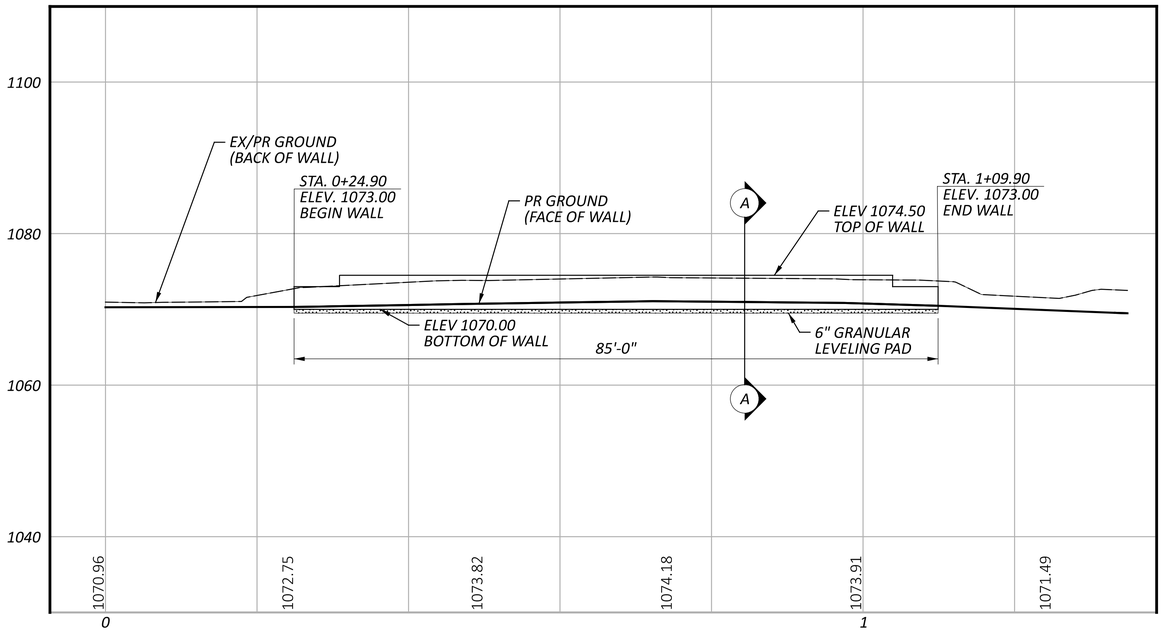
ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	GEN.	SHEET #
870	10000	365	SF	PREFABRICATED MODULAR RETAINING WALL	365	P.98

DESIGN AGENCY
EMH&T
DESIGNER SJS
REVIEWER CAS 12/13/24
PROJECT ID 115280
SHEET P.97 TOTAL 111

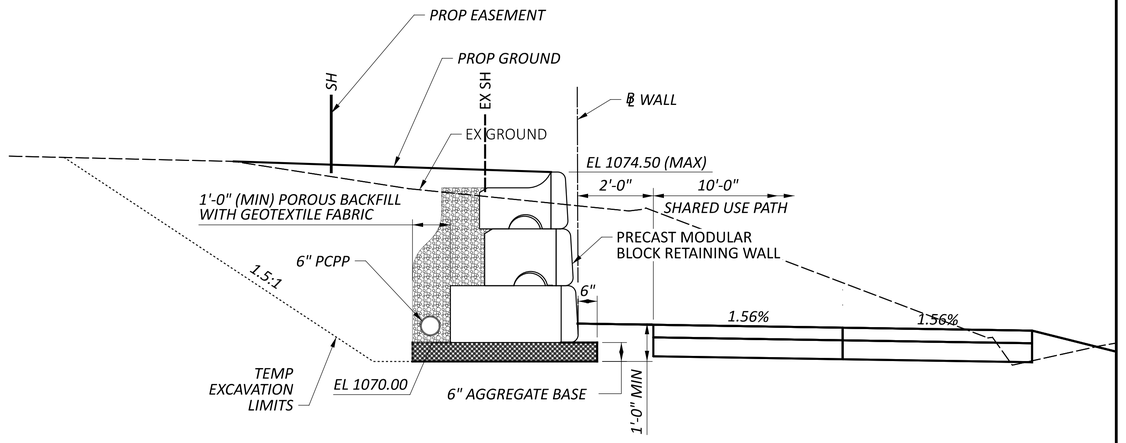
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PLAN



PROFILE ALONG RETAINING WALL



SECTION A-A
SCALE: 1"=2'

HORIZONTAL
SCALE IN FEET
0 5 10 20

WALL PLAN AND PROFILE

KNO-CR5-0.47

MODEL: SHEET PAPERSIZE: 34x22 (in.) DATE: 2/4/2025 TIME: 12:56:38 PM USER: jtheuring
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DESIGN AGENCY
EMH&T

DESIGNER
SJS

REVIEWER
CAS 12/13/24

PROJECT ID
115280

SHEET P.98 | TOTAL 111

ITEM 630 SIGNING MISC.: SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY

THIS WORK SHALL CONSIST OF FURNISHING AND INSTALLING A SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY. THE FLASHING UNIT SHALL BE SOLAR POWERED, PEDESTRIAN ACTIVATED, AND 2-SIDED WITH TWO LED ARRAY BASED YELLOW INDICATIONS ON EACH SIDE. MULTIPLE UNITS SHALL BE WIRELESSLY CONTROLLED AND SYNCHRONIZED. THE UNIT SHALL BE COMPLIANT WITH THE MOST CURRENT OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD), AND FHWA INTERIM APPROVAL FOR RRFBs (1A-21).

GENERAL REQUIREMENTS

EACH RRFB SHALL CONSIST OF TWO RAPIDLY FLASHED RECTANGULAR YELLOW INDICATIONS HAVING LED ARRAY BASED LIGHT SOURCE.

EACH RRFB LOCATION SHALL BE A COMPLETE ASSEMBLY CONSISTING OF, BUT NOT LIMITED TO, SIGNAGE, SIGN MOUNTING HARDWARE, RRFB INDICATORS, SOLAR PANEL, AND ELECTRICAL COMPONENTS (WIRING, SOLID-STATE CIRCUIT BOARDS, ETC.).

FUNCTIONAL REQUIREMENTS

EACH RRFB SHALL UTILIZE SOLAR POWER.

EACH RRFB SHALL BE ACTIVATED BY ADA COMPLIANT, TOUCHLESS PUSHBUTTONS. PUSHBUTTONS SHALL BE PER THE OHIO DEPARTMENT OF TRANSPORTATION'S TRAFFIC AUTHORIZED PRODUCT (TAP) LIST.

THE RRFB SHALL BE NORMALLY DARK, SHALL INDICATE OPERATION ONLY UPON PEDESTRIAN ACTUATION, AND SHALL CEASE OPERATION AFTER A PREDETERMINED TIME LIMIT (BASED ON OMUTCD PROCEDURES).

EACH REMOTE RRFB SHALL BE WIRELESSLY ACTIVATED.

ALL RRFB LIGHT INDICATIONS SHALL BE WIRELESSLY SYNCHRONIZE (ALL LIGHTS WILL TURN ON WITH 120 MSEC AND REMAIN SYNCHRONIZED THROUGHOUT THE DURATION OF THE FLASHING CYCLE).

THE UNIT SHALL BE CAPABLE OF RUNNING 14 DAYS WITHOUT SUNLIGHT.

MATERIALS

FURNISH A COMPLETE ASSEMBLY, CONSISTING OF BUT NOT LIMITED TO, SIGNAGE, SIGN MOUNTING HARDWARE,INDICATIONS, SOLAR PANEL, AND ELECTRICAL COMPONENTS (WIRING, SOLID-STATE CIRCUIT BOARDS, ETC.) THE RRFB ASSEMBLY INCLUDES THE FOLLOWING ITEMS:

1. RRFB INDICATIONS

   A. EACH RRFB INDICATION LENS SHALL BE A A MINIMUM SIZE OF APPROXIMATELY 5" WIDE X 2" HIGH.
   B. THE RRFB INDICATIONS SHALL BE ALIGNED HORIZONTALLY, WITH THE LONGER DIMENSION OF THE INDICATION HORIZONTAL. THERE SHALL BE TWO INDICATIONS ON THE FRONT AND TWO INDICATIONS ON THE BACK.
   C. EACH RRFB SHALL BE SUPPLIED WITH ALL REQUIRED HARDWARE TO INSTALL ASSEMBLY. ALL EXPOSED HARDWARE SHALL BE ANTI-VANDAL.
   D. EACH RRFB SHALL BE LOCATED BETWEEN THE BOTTOM OF THE CROSSING WARNING SIGN AND THE TOP OF THE SUPPLEMENTAL DOWNWARD DIAGONAL ARROW PLAQUE.
   E. THE LIGHT INTENSITY OF THE YELLOW INDICATIONS SHALL MEET THE MINIMUM CLASS 1 SPECIFICATIONS OF SOCIETY OF AUTOMOTIVE ENGINEERS (SAE) STANDARD J595 (DIRECTIONAL FLASHING OPTICAL WARNING DEVICES FOR AUTHORIZED EMERGENCY, MAINTENANCE, AND SERVICE VEHICLES) DATED JANUARY 2005.
   F. TO MINIMIZE EXCESSIVE GLARE DURING NIGHTTIME CONDITIONS, AN AUTOMATIC SIGNAL DIMMING DEVICE SHALL BE USED TO REDUCE THE BRILLIANCE OF THE RRFB INDICATIONS.
   G. AN LED PEDESTRIAN CONFIRMATION LIGHT DIRECTED AT AND VISIBLE TO PEDESTRIANS IN THE CROSSWALK SHALL BE INSTALLED INTEGRAL TO THE RRFB OR PUSHBUTTON TO GIVE CONFIRMATION THAT THE RRFB IS IN OPERATION.
   H. THE PEDESTRIAN CONFIRMATION LIGHT SHALL HAVE A MINIMUM AREA OF 0.5 SQUARE INCHES AND BE CONSPICUOUS TO PEDESTRIANS AT ALL DISTANCES FROM THE BEGINNING OF THE CONTROLLED CROSSWALK TO A POINT 10 FEET FROM THE END OF THE CONTROLLED CROSSWALK DURING BOTH DAY AND NIGHT.

2. SIGNS

   A. ALL SIGNS ASSEMBLIES SHALL USE ANTI-VANDAL FASTENERS TO MOUNT COMPONENTS TO SIGN AND SIGN TO FIXTURE.
   B. PEDESTRIAN PUSHBUTTON SIGNS SHALL BE PROVIDED AND INCLUDE THE LEGEND "PUSH BUTTON TO TURN ON WARNING LIGHTS". SIGNS SHOULD BE MOUNTED ADJACENT TO OR INTEGRAL WITH EACH PEDESTRIAN PUSHBUTTON.
   C. TWO SETS OF SIGNS SHALL BE REQUIRED PER UNIT FOR VIEW FROM EACH APPROACH.
   D. ASSURE THE SIGN MEETS THE REQUIREMENTS OF C&MS 630.

3. CONTROL CIRCUIT

   A. THE CONTROL CIRCUIT SHALL HAVE THE CAPABILITY OF INDEPENDENTLY FLASHING UP TWO INDEPENDENT OUTPUTS. THE LED LIGHT OUTPUTS AND FLASH PATTERN SHALL BE COMPLETELY PROGRAMMABLE.
   B. THE CONTROL CIRCUIT SHALL BE SEALED WATERTIGHT TO ELIMINATE DIRT CONTAMINATION AND ALLOW FOR SAFE HANDLING IN ALL WEATHE CONDITIONS.
   C. THE LEDS SHALL BE SEALED AGAINST DUST AND MOISTURE INTRUSION AS PER THE REQUIREMENTS OF NEMA STANDARD 250-1991 FOR TYPE 4 ENCLOSURE AND TO PROTECT ALL INTERNAL LED AND ELECTRICAL COMPONENTS.

4. BATTERY AND SOLAR PANELS

   A. BATTERY UNIT SHALL BE 12VDC, 40 AHR MINIMUM, SEALED GEL OR AGM LEAD ACID BATTERY. BATTERIES SHALL HAVE A WRITTEN TWO YEAR FULL REPLACEMENT WARRANTY.
   B. THE SOLAR PANEL SHALL PROVIDE A MINIMUM OF 40 WATTS PEAK TOTAL OUTPUT.
   C. THE SOLAR PANEL SHALL BE MOUNTED TO AN ALUMINUM PLATE AND BRACKET AT AN ANGLE OF 45 DEGREES - 60 DEGREES TO PROVIDE MAXIMUM OUTPUT.
   D. ALL FASTENERS USED SHOULD BE ANTI-VANDAL.

5. WIRELESS RADIO

   A. RADIO CONTROL SHALL OPERATE ON A 900 MHZ FREQUENCY HOPPING SPREAD SPECTRUM NETWORK, WI-FI, OR APPROVED EQUAL.
   B. RADIO SHALL INTEGRATE COMMUNICATIONS OF RRFB CONTROL CIRCUIT TO ACTIVATE SIGN FROM PUSHBUTTON INPUT.
   C. THE RADIO SHALL BE SYNCHRONIZED SO ALL OF THE REMOTE RRFB LIGHT INDICATIONS WILL TURN ON WITHIN 120 MSEC OF EACH OTHER AND REMAIN SYNCHRONIZED THROUGH-OUT THE DURATION OF THE FLASHING CYCLE.

6. PUSHBUTTON

   A. THE PUSHBUTTON SHALL BE CAPABLE OF CONTINOUS OPERATION OVER A TEMPERATURE RANGE OF -30 DEGREES F TO +165 DEGREES F.
   B. PUSHBUTTON SHALL BE ADA COMPLIANT.

7. PEDESTAL SHAFT, BASE, AND FOUNDATION

   MOUNT ON A STANDARD 4.5-INCH OD ALUMINUM PEDESTAL POLE WITH BREAKAWAY BASE. A 14 FOOT POLE SHALL BE PROVIDED AND FIELD ADJUSTED AND CAPPED TO MAINTAIN THE PROPER SIGN MOUNTING HEIGHTS, UNLESS SPECIFIED OTHERWISE IN THE PLANS. POLE AND BASE MANUFACTURER SHALL BE LISTED ON ODOT'S QUALIFIED PRODUCTS LIST. THE POLE AND ALL HARDWARE SHALL BE GALVANIZED, AND COATED WITH A BLACK FINISH (FEDERAL COLOR NO. 595B 17038).

   A PEDESTAL FOUNDATION SHALL BE INSTALLED PER ODOT SCD TC-83.20. THE FOUNDATION SHALL BE INCLUDED IN THE PAYMENT FOR THIS ITEM.

CONSTRUCTION

THE RRFB SHALL BE ASSEMBLED AND CONSTRUCTED BY THE CONTRACTOR AS SHOWN AND SPECIFIED ON THE PLANS.

WARRANTY

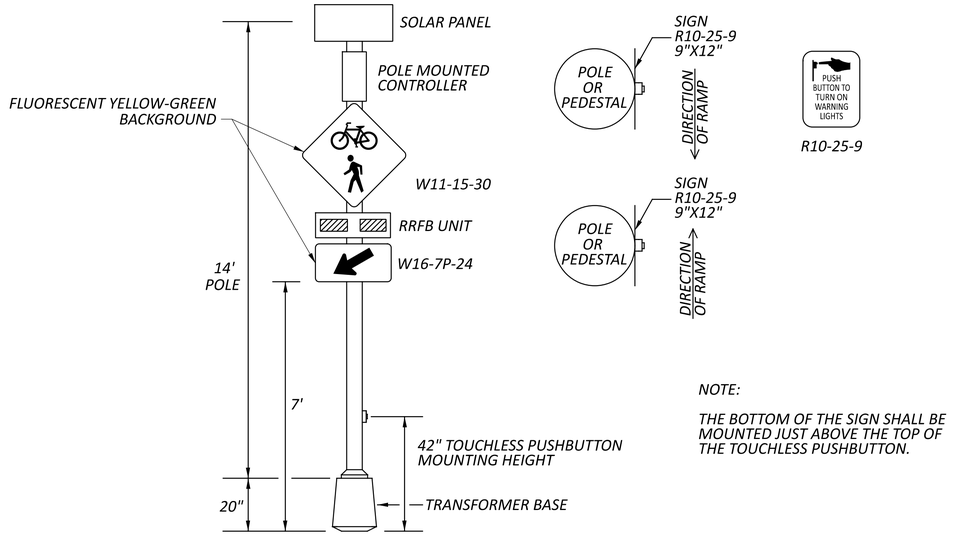
WARRANTY SHALL BE TWO YEARS FROM THE DATE OF FINAL ACCEPTANCE.

MEASUREMENT

THE DEPARTMENT WILL MEASURE THE ITEM COMPLETE IN PLACE, INCLUDING ALL MATERIALS, TESTING, LABOR, AND SOFTWARE FOR A FULLY FUNCTIONAL UNIT.

PAYMENT

PAYMENT WILL BE AT THE CONTRACT UNIT PRICE PER EACH FOR ITEM 630 "SIGNING MISC.: SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY".

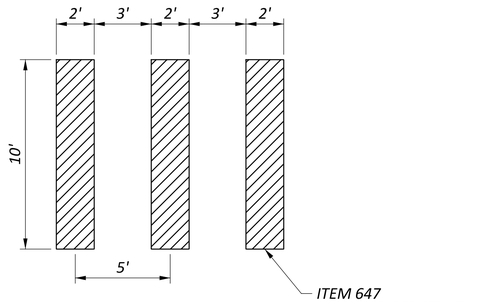


MANSFIELD AVENUE SOUTH OF FAIRGROUNDS ROAD

NOTE:

THE BOTTOM OF THE SIGN SHALL BE MOUNTED JUST ABOVE THE TOP OF THE TOUCHLESS PUSHBUTTON.

CROSSWALK LINE DETAIL



TRAFFIC CONTROL GENERAL NOTES

DESIGN AGENCY
EMH&T

DESIGNER
BDM

REVIEWER
SMM 12/13/24

PROJECT ID
115280

SHEET P.99 | TOTAL 111

KNO-CR5-0.47

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 2/4/2025 TIME: 12:46:24 PM USER: jtheuring
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SHEET NO.	REF NO.	LOCATION	STATION TO STATION			SIDE	STOP LINE	CROSSWALK LINE, 24", TYPE B90														
							644	647														
							FT	FT														
				TO																		
P.106	SL-1	MANSFIELD AVE	117+43		117+52	RT	9															
P.109	SL-2	MANSFIELD AVE	136+34		136+49	LT	14															
P.110	SL-3	MANSFIELD AVE	139+34		139+44	LT	10															
P.111	SL-4	MANSFIELD AVE	142+20		142+30	LT	10															
P.106	XW-1	MANSFIELD AVE	117+31		117+54	LT/RT		50														
P.109	XW-2	MANSFIELD AVE	134+14		134+31	LT/RT		40														
P.109	XW-3	MANSFIELD AVE	136+26		136+73	LT/RT		90														
P.110	XW-4	MANSFIELD AVE	139+33		139+55	LT/RT		50														
P.111	XW-5	MANSFIELD AVE	142+19		142+41	LT/RT		50														
						SUB-TOTALS																
TOTALS CARRIED TO GENERAL SUMMARY							43	280														

PAVEMENT MARKING SUBSUMMARY

KNO-CR5-0.47

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 2/4/2025 TIME: 12:46:25 PM USER: jtheuring
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DESIGN AGENCY
EMH&T

DESIGNER
BDM

REVIEWER
SMM 12/13/24

PROJECT ID
115280

SHEET P.100 | TOTAL 111

SIGNING SUBSUMMARY

SHEET NO.	REF. NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	630 GROUND MOUNTED SUPPORT, NO. 3 POST FT	630 STREET NAME SIGN SUPPORT, NO. 3 POST FT	630 SIGN SUPPORT ASSEMBLY, POLE MOUNTED EACH	630 SIGN, FLAT SHEET SF	630 SIGN, DOUBLE FACED, STREET NAME EACH	630 REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL EACH	630 REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL EACH	630 REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL EACH	630 SIGNING, MISC.:SOLAR-POWERED RECTANGULAR FLASHING BEACON (RRFB) SIGN ASSEMBLY EACH
P.106	S-1	MANSFIELD AVE	STA. 117+56	RT	R1-1-30	30 x 30	14			6.25					
P.106	S-2	MANSFIELD AVE	STA. 121+50	RT	R2-1-24	24 x 30	14			5.00					
					R7-1-12	12 x 18				1.50					
P.108	S-3	MANSFIELD AVE	STA. 131+50	RT	M1-5-24-2	24 x 24	14			4.00					
					M6-1-21	21 x 15				2.19					
P.109	S-4	MANSFIELD AVE	STA. 134+08	LT	S1-1-36	36 x 36									1
					W16-7PL-24	24 x 12									
					R10-25-9	9 x 12									
					S1-1-36	36 x 36									
					W16-7PL-24	24 x 12									
					R10-25-9	9 x 12									
P.109	S-5	MANSFIELD AVE	STA. 134+39	RT	S1-1-36	36 x 36									1
					W16-7PL-24	24 x 12									
					R10-25-9	9 x 12									
					S1-1-36	36 x 36									
					W16-7PL-24	24 x 12									
					R10-25-9	9 x 12									
P.109	S-6	MANSFIELD AVE	STA. 135+00	LT	D3-1-48	48 x 8		14			1				
					D3-1-54	54 x 8					1				
P.110	S-7	MANSFIELD AVE	STA. 139+29	LT	D3-1-36	36 x 8		14			1				
					R1-1-30	30 x 30				6.25					
P.111	S-8	MANSFIELD AVE	STA. 142+15	LT	D3-1-42	42 x 8		14			1				
					D3-1-48	48 x 8					1				
					R1-1-30	30 x 30				6.25					
P.103	S-9	MANSFIELD AVE	STA. 109+93	RT	S5-3-24	24 x 30			1	5.00					
P.106															
P.106	R-1	MANSFIELD AVE	STA. 117+56	RT								1	1		
P.106	R-2	MANSFIELD AVE	STA. 121+06	LT								2	1		
P.108	R-3	MANSFIELD AVE	STA. 130+70	LT								2	1		
P.109	R-4	MANSFIELD AVE	STA. 134+89	RT								2	1		
P.110	R-5	MANSFIELD AVE	STA. 139+30	LT								2	1		
P.111	R-6	MANSFIELD AVE	STA. 142+14	LT								1	1		
P.110	R-7	MANSFIELD AVE	STA. 142+11	LT								2	1		
P.103	R-8	MANSFIELD AVE	STA. 109+96	RT										1	
TOTALS CARRIED TO GENERAL SUMMARY							42	42	1	36.44	5	12	7	1	2

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DESIGN AGENCY
EMH&T

DESIGNER
BDM

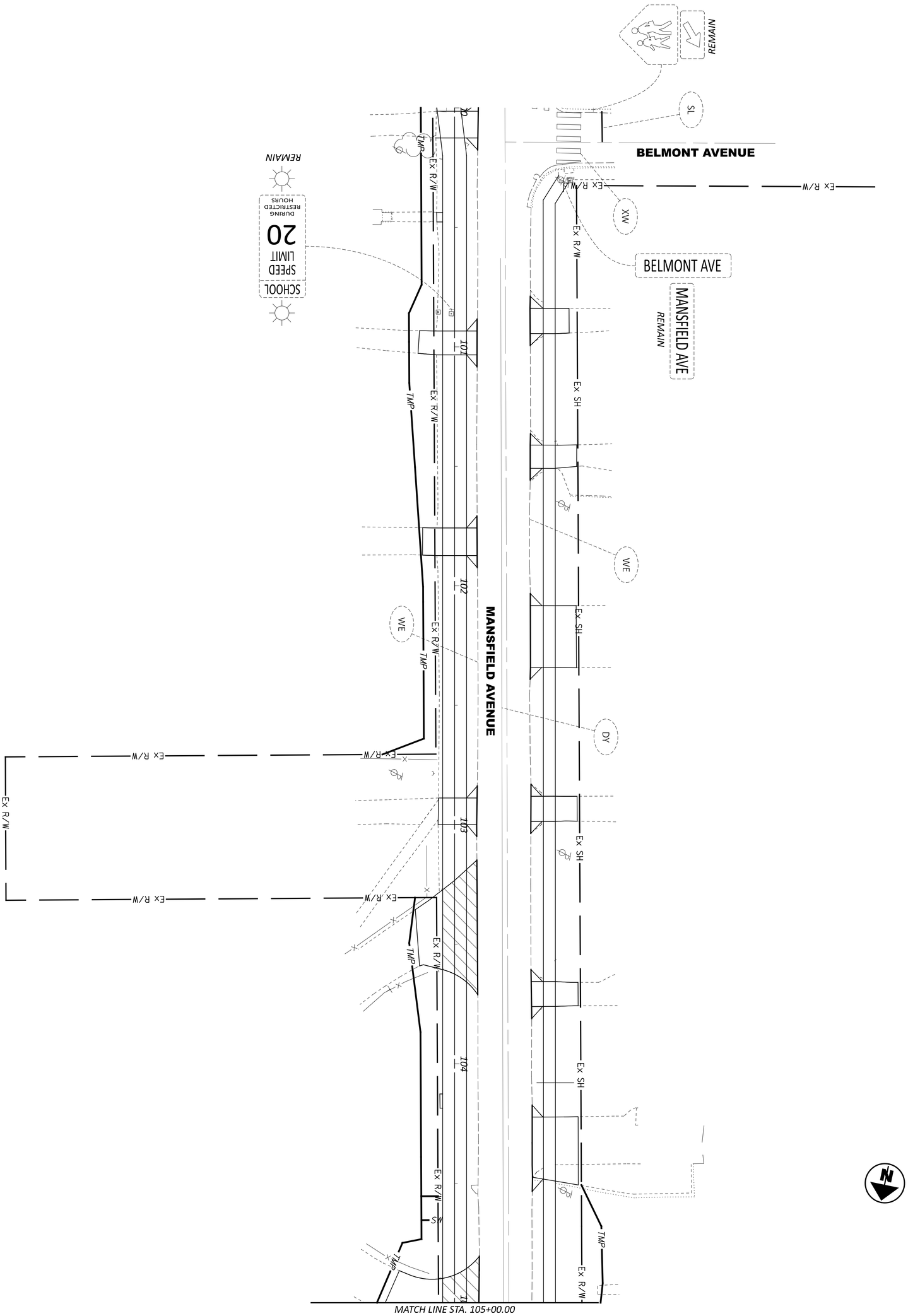
REVIEWER
SMM 12/13/24

PROJECT ID
115280

SHEET P.101 TOTAL 111

KNO-CR5-0.47

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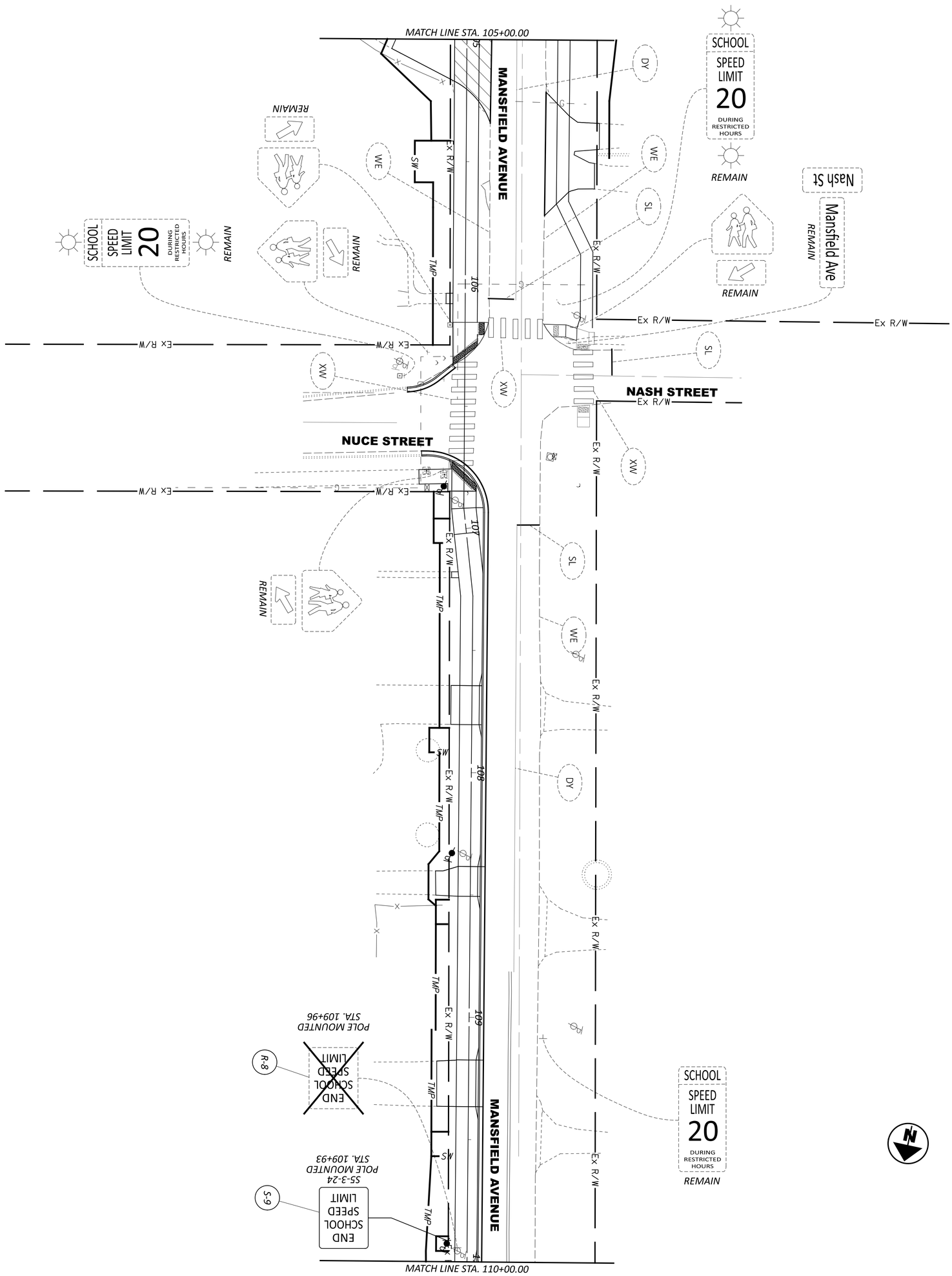
DESIGNER	REVIEWER	PROJECT ID	SHEET	TOTAL
BDM	SMM 12/13/24	115280	P.102	111

DESIGN AGENCY: EMH&T

TRAFFIC CONTROL PLAN
STA. 100+00 TO STA. 105+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: CLP_MANSFIELD_PATH-2 - TP007 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 2/4/2025 TIME: 12:46:33 PM USER: jtheuring
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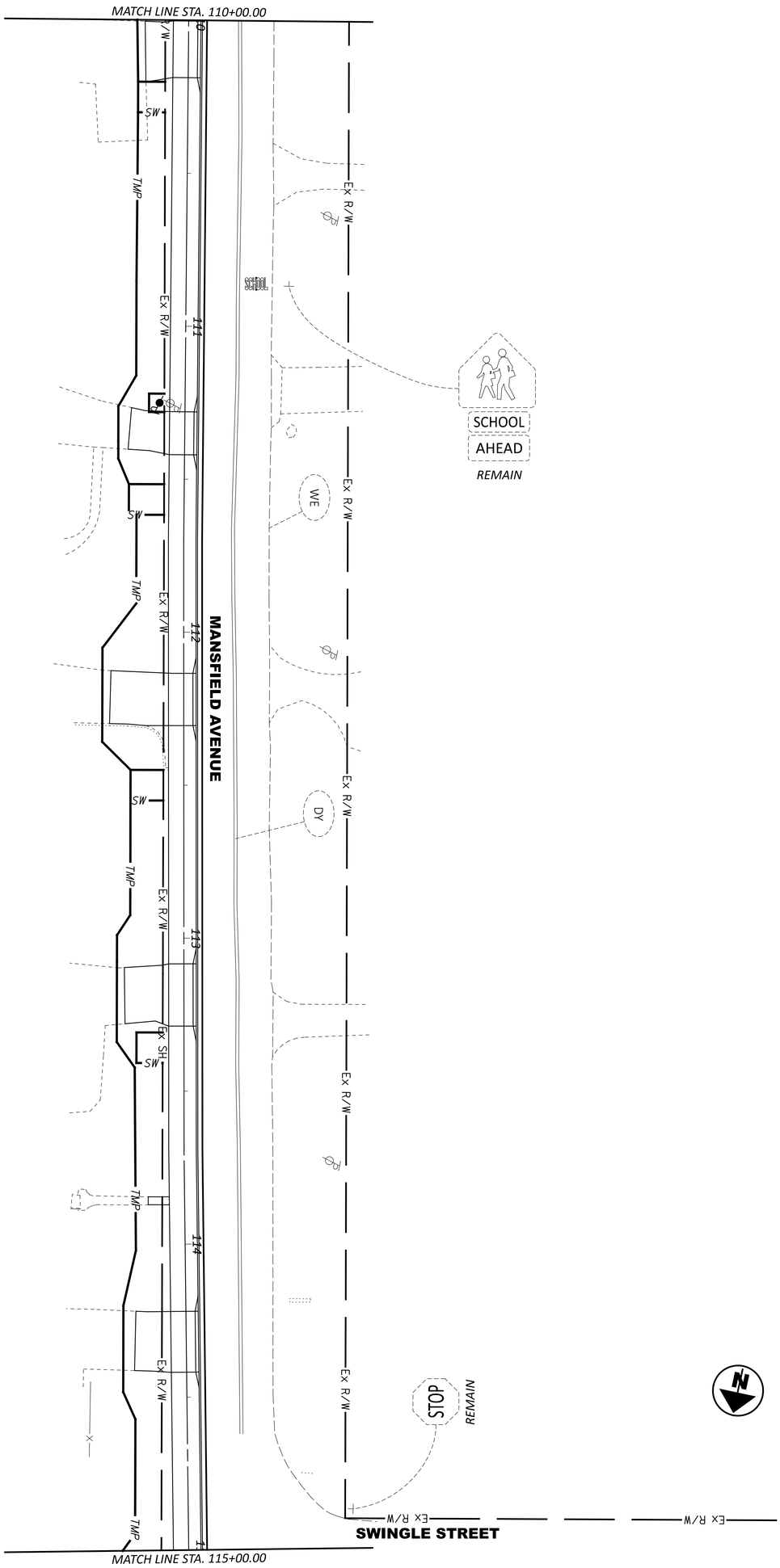


SHEET P.103	TOTAL 111	PROJECT ID 115280	REVIEWER SMM 12/13/24	DESIGNER BDM	DESIGN AGENCY EMH&T

TRAFFIC CONTROL PLAN
STA. 105+00 TO STA. 110+00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: CLP_MANSFIELD_PATH-2 - TP008 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 2/4/2025 TIME: 12:46:33 PM USER: jtheuring
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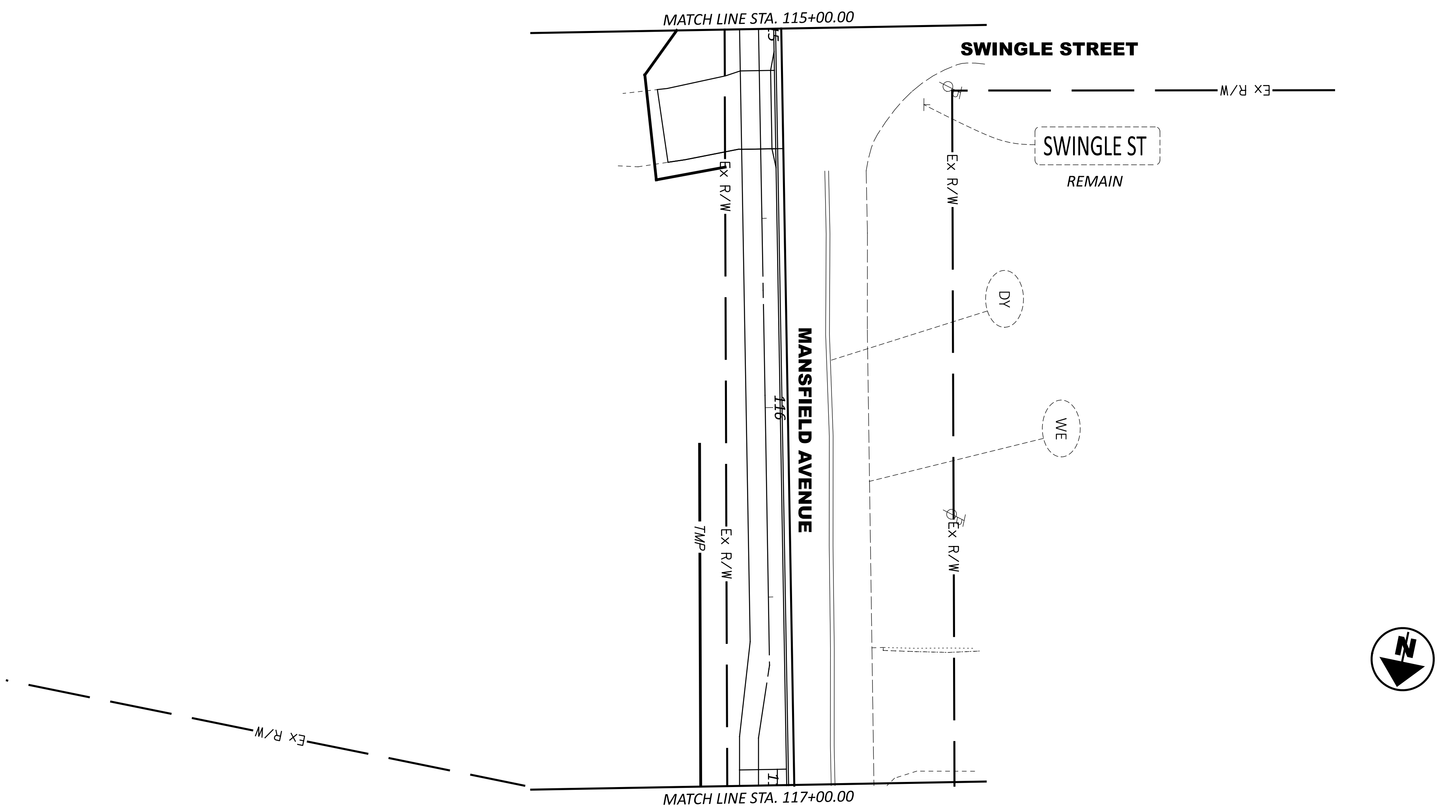


TRAFFIC CONTROL PLAN
STA. 110+00 TO STA. 115+00

SHEET	P.104
TOTAL	111
PROJECT ID	115280
REVIEWER	SMM 12/13/24
DESIGNER	BDM
DESIGN AGENCY	EMH&T

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: CLP_MANSFIELD_PATH-2 - TP009 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 2/4/2025 TIME: 12:46:34 PM USER: jtheuring
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TRAFFIC CONTROL PLAN
STA. 115+00 TO STA. 117+00

HORIZONTAL SCALE IN FEET
0 20
10 40

SHEET	TOTAL
P.105	111

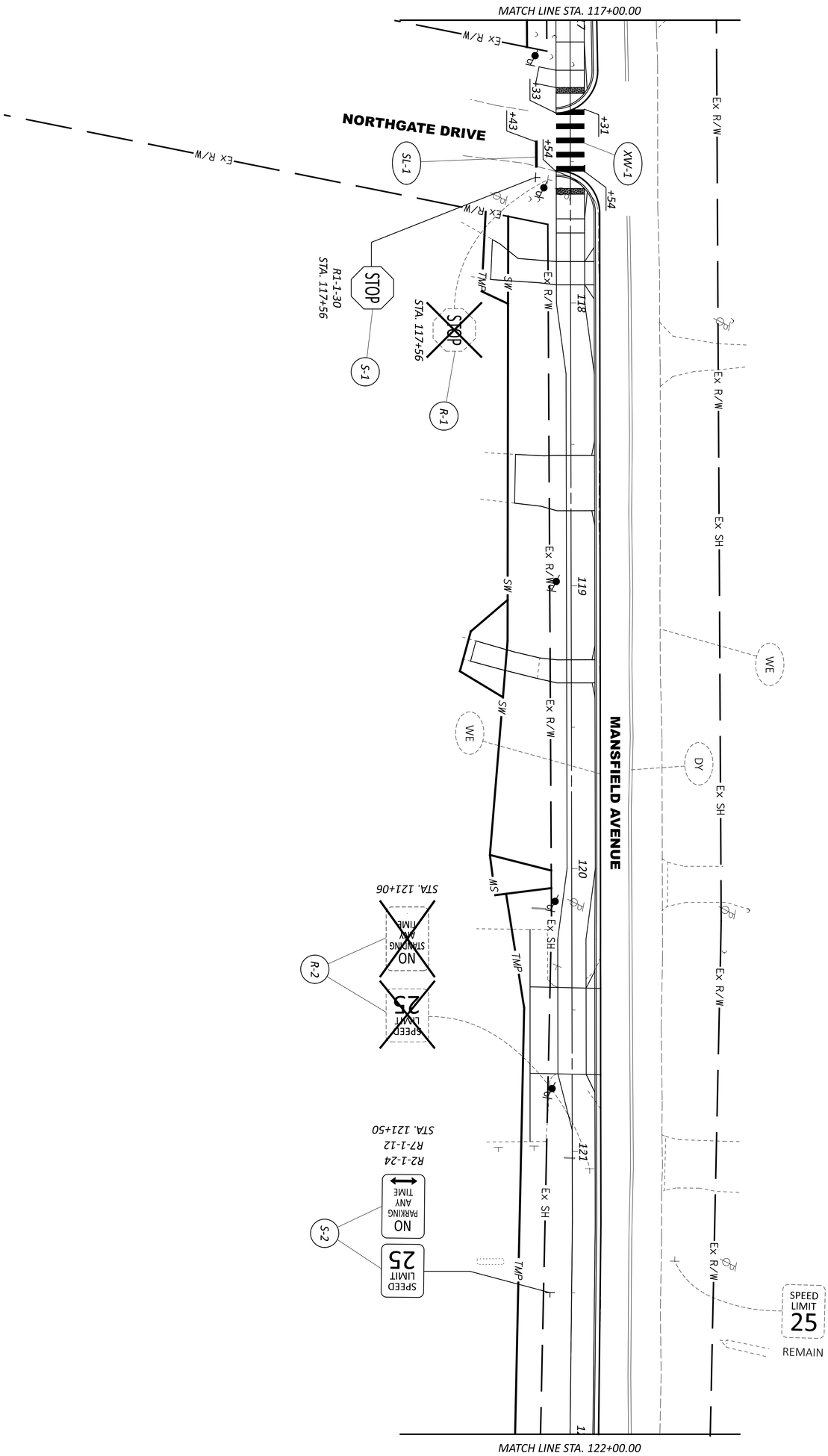
PROJECT ID: 115280

REVIEWER: SMM 12/13/24

DESIGNER: BDM

DESIGN AGENCY: EMH&T

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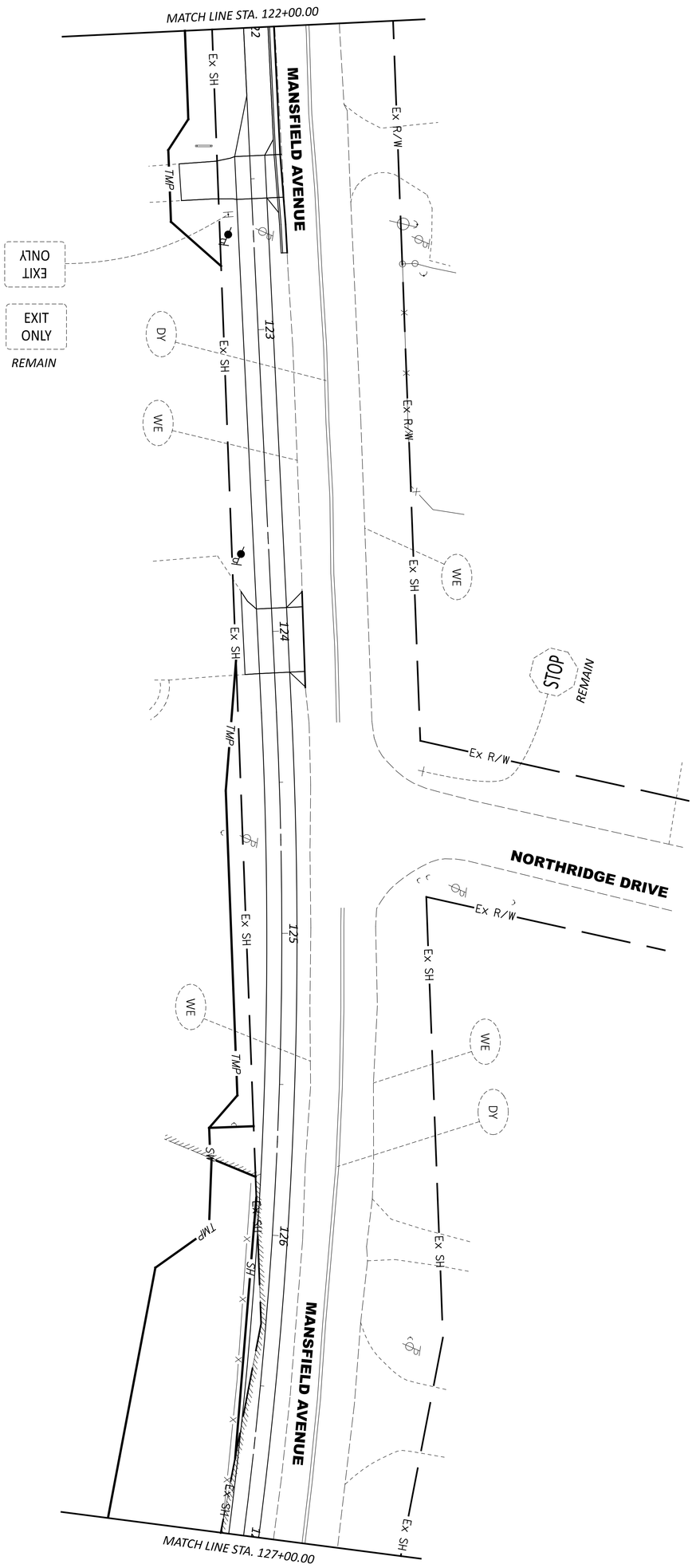
DESIGNER	REVIEWER	PROJECT ID	SHEET	TOTAL
BDM	SMM 12/13/24	115280	P.106	111

DESIGN AGENCY: EMH&T

TRAFFIC CONTROL PLAN
STA. 117+00 TO STA. 122+00

HORIZONTAL SCALE IN FEET
0 20
10 40

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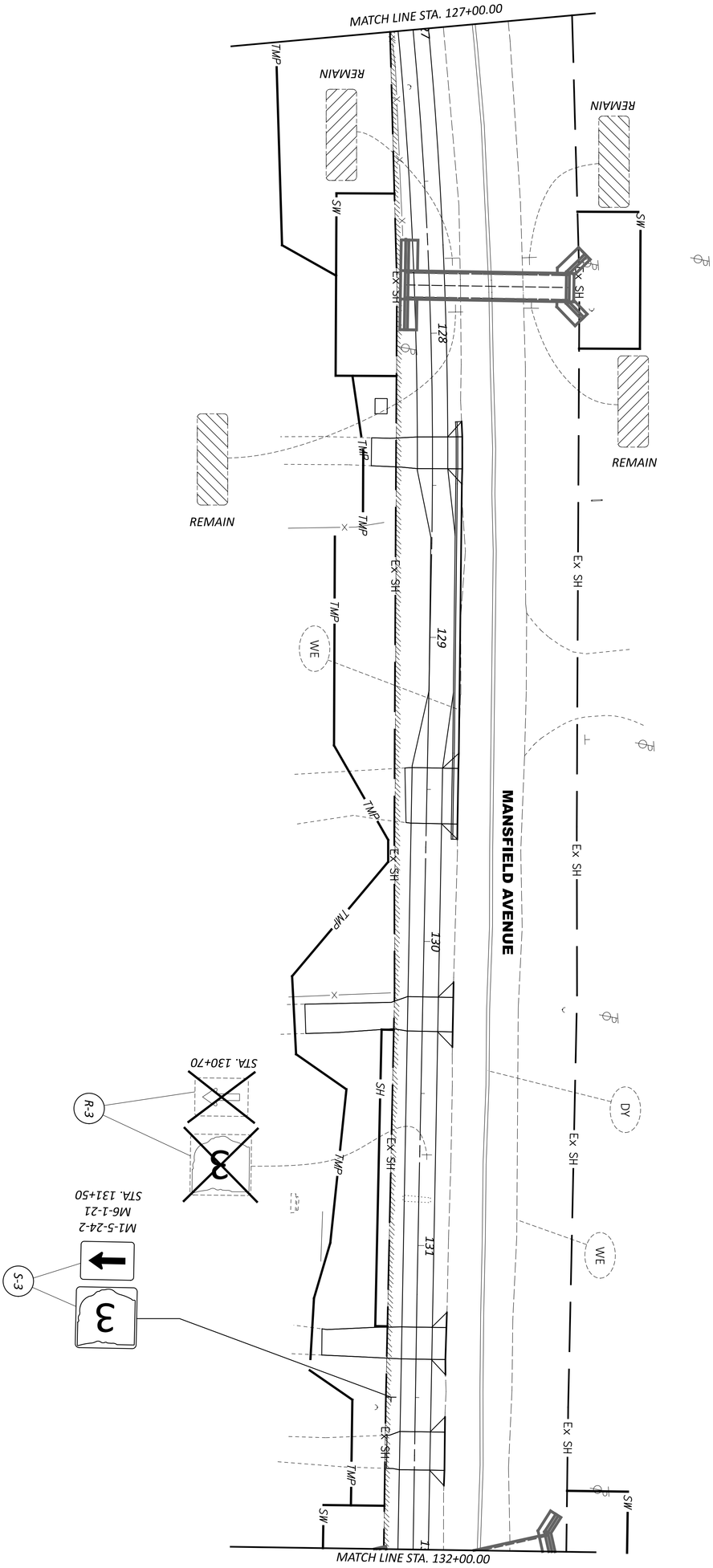
TRAFFIC CONTROL PLAN
STA. 122+00 TO STA. 127+00

HORIZONTAL SCALE IN FEET
0 20
10 40

DESIGNER	REVIEWER	PROJECT ID	SHEET	TOTAL
BDM	SMM 12/13/24	115280	P.107	111

DESIGN AGENCY: EMH&T

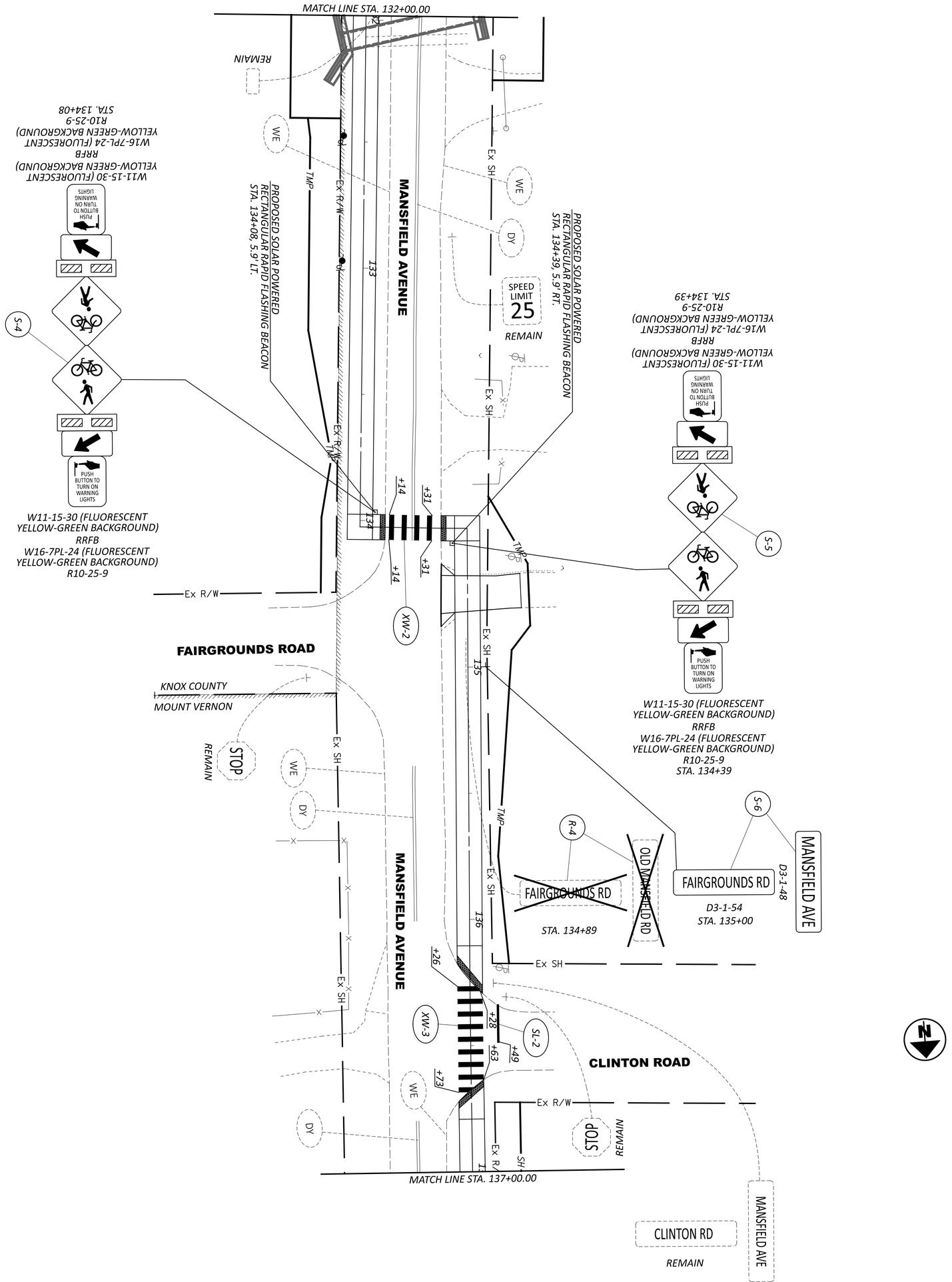
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SHEET P.108 TOTAL 111	PROJECT ID 115280	REVIEWER SMM 12/13/24	DESIGNER BDM	DESIGN AGENCY EMH&T	TRAFFIC CONTROL PLAN STA. 127+00 TO STA. 132+00

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: CLP_MANSFIELD_PATH-1 - TP003 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 2/4/2025 TIME: 12:47:57 PM USER: jtheuring
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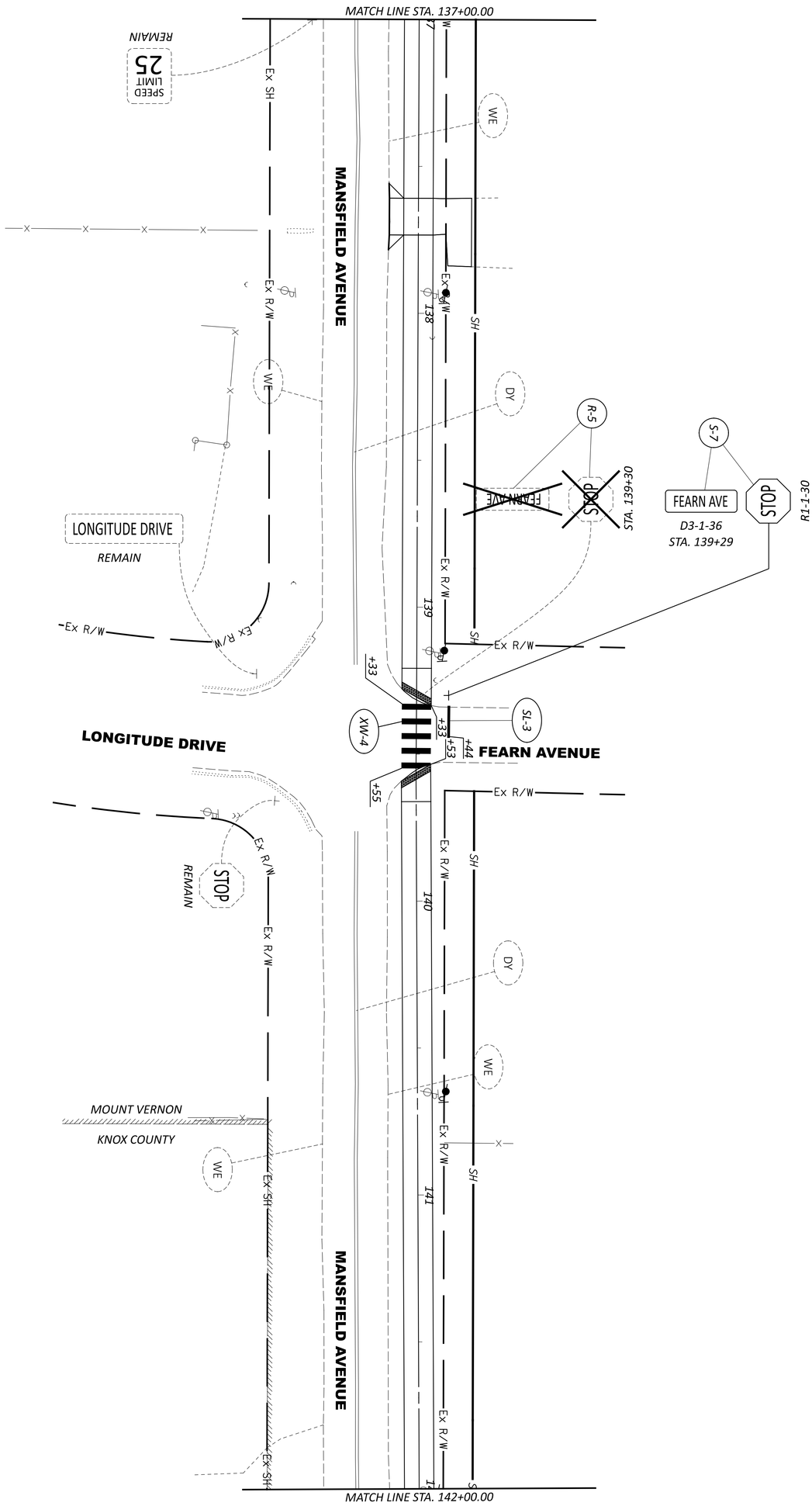
SHEET P.109	TOTAL 111	PROJECT ID 115280	REVIEWER SMM 12/13/24	DESIGNER BDM	DESIGN AGENCY EMH&T

TRAFFIC CONTROL PLAN
STA. 132+00 TO STA. 137+00

HORIZONTAL SCALE IN FEET
0 20
10 40

KNO=CR5-0.47

MODEL: CLP_MANSFIELD_PATH-1 - TP004 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 2/4/2025 TIME: 12:46:36 PM USER: jtheuring
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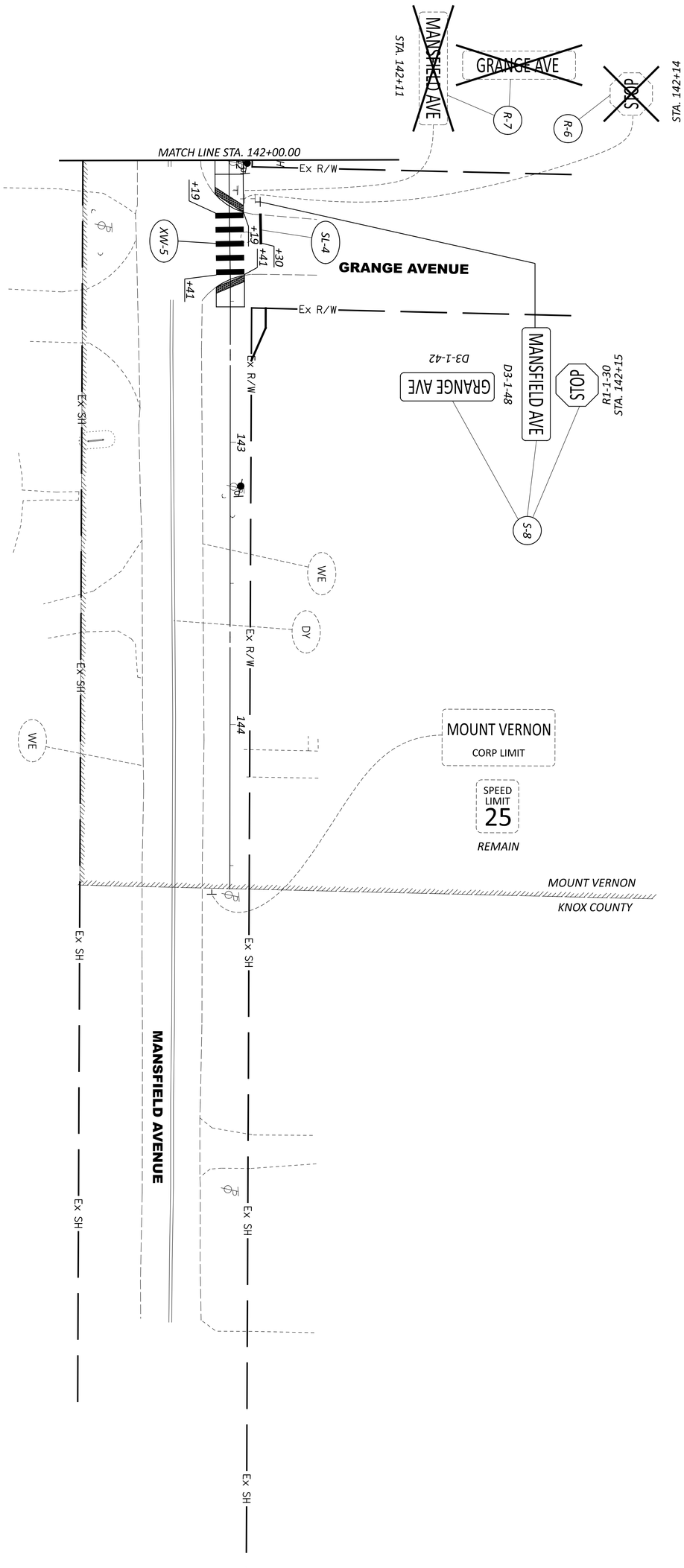
TRAFFIC CONTROL PLAN
STA. 137+00 TO STA. 142+00

HORIZONTAL SCALE IN FEET
0 20
10 40

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.110	111	115280	SMM 12/13/24	BDM	EMH&T

KNO-CR5-0.47

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SHEET	TOTAL
P.111	111

PROJECT ID: 115280

REVIEWER: SMM 12/13/24

DESIGNER: BDM

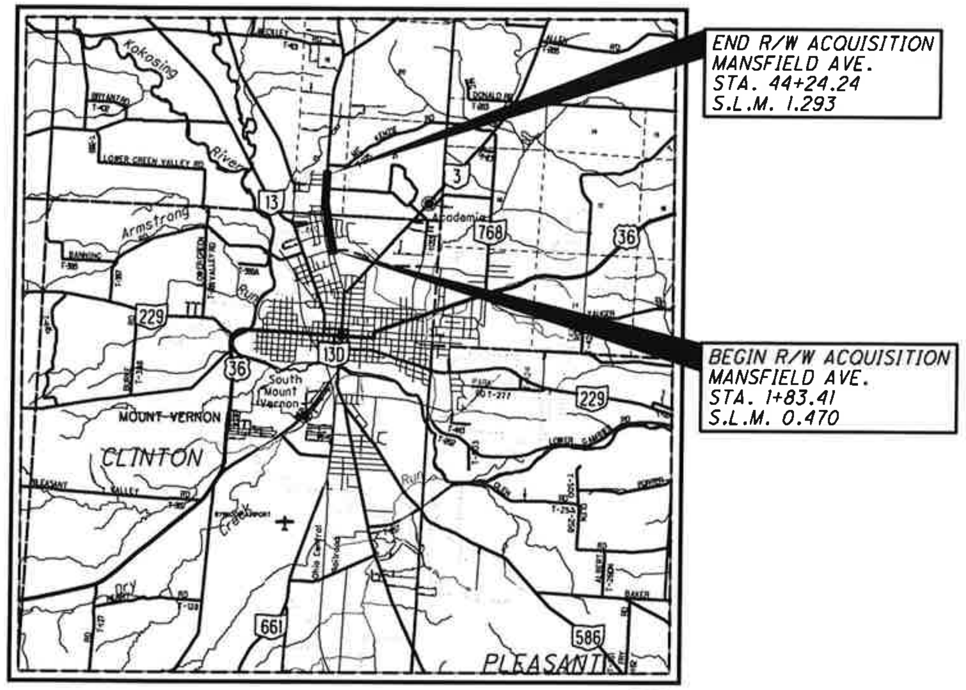
DESIGN AGENCY: EMH&T

TRAFFIC CONTROL PLAN
STA. 142+00 TO END

HORIZONTAL SCALE IN FEET

0 20

10 40



LOCATION MAP

LATITUDE: 40°24'25" N LONGITUDE: 82°29'15" W

N

RIGHT OF WAY LEGEND SHEET

KNO-CR5-0.47

KNOX COUNTY
MORRIS TOWNSHIP
CITY OF MOUNT VERNON
SEC. 22, Q.T. 4, T. 7 N., R. 13 W.
Q.T. 1, T. 6 N., R. 13 W.
UNITED STATES MILITARY DISTRICT

PROJECT DESCRIPTION

CONSTRUCTION OF SHARED USE PATH ALONG MANSFIELD AVENUE FROM BELMONT AVENUE TO GRANGE AVENUE.

PLANS PREPARED BY:

FIRM NAME : EVANS, MECHWART, HAMBLETON & TILTON, INC.
R/W DESIGNER: BRIAN McCUTCHEN
R/W REVIEWER: JOSHUA M. MEYER, P.S. 8485
FIELD REVIEWER: BRIAN McCUTCHEN
PRELIMINARY FIELD REVIEW DATE: 12/10/2022
OWNERSHIP UPDATED BY: BRANDON R. KING, P.S. 8772
DATE COMPLETED: 7/13/2023
FIELD REVIEWER: BRANDON R. KING, P.S. 8772
FINAL FIELD REVIEW DATE: 7/5/2023
FINAL R/W PLAN DATE: 7/14/2023

PORTION TO BE IMPROVED
INTERSTATE HIGHWAY
FEDERAL ROUTES
STATE ROUTES
COUNTY & TOWNSHIP ROADS
OTHER ROADS

INDEX OF SHEETS:

LEGEND SHEET	1
CENTERLINE PLAT	2 - 3
PROPERTY MAP	4 - 5
SUMMARY OF ADDITIONAL R/W	6 - 10
TOPO & BOUNDARY SHEETS	11 - 28

TYPES OF TITLE LEGEND:

SH = STANDARD HIGHWAY EASEMENT
SW = DRAINAGE EASEMENT
T = TEMPORARY EASEMENT

STRUCTURE KEY

RESIDENTIAL
COMMERCIAL
OUT-BUILDING

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig
OHIO811.org Before You Dig
OHIO811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

NOTES:

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE OBTAINED FROM THE OWNER OF THE UTILITIES AS REQUIRED BY SECTION 153.64 O.R.C.

UTILITY OWNERSHIP

TYPE	NAME & ADDRESS	TYPE	NAME & ADDRESS	TYPE	NAME & ADDRESS
ELECTRIC	AMERICAN ELECTRIC POWER 850 TECH CENTER DRIVE GAHANNA, OHIO 43230 ATTN: PAUL PAXTON PHONE: (614) 883-6831	COMMUNICATION	SPECTRUM COMMUNICATIONS 1441 NEWARK ROAD MOUNT VERNON, OHIO 43050 ATTN: SCOTT SARGENT PHONE: (740) 397-4100	SANITARY	CITY OF MOUNT VERNON SANITARY SEWER 40 PUBLIC SQUARE MOUNT VERNON, OHIO 43050 PHONE: (740) 393-9528
GAS	COLUMBIA GAS OF OHIO 1021 NORTH MAIN STREET MANSFIELD, OHIO 44903 ATTN: TYLER HEMINGER PHONE: (419) 631-4468	COMMUNICATION	CENTURY LINK ENGINEERING DEPARTMENT 203 W. 9TH STREET LORAIN, OHIO 44502	STORM	CITY OF MOUNT VERNON STORM SEWER 40 PUBLIC SQUARE MOUNT VERNON, OHIO 43050 PHONE: (740) 393-9528
COMMUNICATION	VERIZON BUSINESS (MCI) 120 RAVINE STREET, 12TH FLOOR AKRON, OHIO 44303 ATTN: AL GUEST PHONE: (330) 535-9056	WATER	CITY OF MOUNT VERNON WATER 40 PUBLIC SQUARE MOUNT VERNON, OHIO 43050 PHONE: (740) 393-9528		

CONVENTIONAL SYMBOLS

County Line
Township Line
Section Line
Corporation Line — or
Fence Line (Ex) — x — x — (Pr)
Center Line
Right of Way (Ex) — Ex R/W —
Right of Way (Pr) — R/W —
Standard Highway Ease.(Ex) — Ex SH —
Standard Highway Ease.(Pr) — SH —
Temporary Right of Way — TMP —
Channel Ease. (Pr) — CH —
Utility Ease. (Ex) — Ex U —
Railroad — or
Guardrail (Ex) — (Pr)
Construction Limits
Edge of Pavement (Ex)
Edge of Pavement (Pr)

Edge of Shoulder (Ex)
Edge of Shoulder (Pr)
Ditch / Creek (Ex)
Ditch / Creek (Pr)
Tree Line (Ex)
Ownership Hook Symbol, Example
Property Line Symbol, Example
Break Line Symbol, Example
Tree (Pr), Tree (Ex), Shrub (Ex)
Tree (Remove), Shrub (Remove)
Evergreen (Ex), Stump
Evergreen (Remove), Stump (Remove)
Wetland (Pr), Grass (Pr), Aerial Target
Post (Ex), Mailbox (Ex), Mailbox (Pr)
Light (Ex), Telephone Marker (Ex) TEL
Fire Hydrant (Ex), Water Meter (Ex)
Water Valve (Ex), Utility Valve Unknown (Ex.)
Telephone Pole (Ex), Power Pole (Ex)
Light Pole (Ex)

I, JOSHUA M. MEYER, P. S. have conducted a survey of the existing conditions for the City of Mount Vernon on May, 2021. The results of that survey are contained herein. The horizontal coordinates expressed herein are based on the Ohio State Plane Coordinates System (North) Zone on NAD 83 (2011) datum. The Project Coordinates (US Survey Feet) are relative to State Plane Grid Coordinates (US Survey Feet) by a Project Adjustment Factor of 1.00004200822162. As a part of this project I have reestablished the locations of the existing property lines and the existing centerline of Right of Way for property takes contained herein. As a part of this project I have established the proposed property lines, calculated the Gross Take, present roadway occupied (PRO), Net Take and Net Residue; as well as prepared the legal descriptions necessary to acquire the parcels as shown herein. As a part of this work I have set right of way monuments at the property corners, property line intersection, points along the right of way and/or angle points on the right of way, Section Corners and other points as shown herein. All of my work contained herein was conducted in accordance with Ohio Administrative Code 4733-37 commonly known as "Minimum Standards for Boundary Surveys in the State of Ohio" unless noted. The words I and my as used herein are to mean either myself or someone working under my direct supervision.

SURVEYOR'S SEAL

EMH&T

STATE OF OHIO
JOSHUA M. MEYER S-8485
REGISTERED
PROFESSIONAL SURVEYOR

Digitally signed by Joshua M. Meyer

RIGHT OF WAY LEGEND SHEET

DESIGN AGENCY	EMH&T
DESIGNER	BLM
REVIEWER	JMM
PROJECT ID	115280
SUBSET	TOTAL
RW.1	RW.28

KNO-CR5-0.47

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 4/5/2024 TIME: 1:49:22 PM USER: bmccutchen
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CENTERLINE PLAT
KNO-CR5-0.47

KNOX COUNTY
MORRIS TOWNSHIP
CITY OF MOUNT VERNON
SEC. 22, Q.T. 4, T. 7 N., R. 13 W.
Q.T. 1, T. 6 N., R. 13 W.
UNITED STATES MILITARY DISTRICT

MONUMENT TABLE

BASIS FOR STATIONING			PROJECT COORDINATES (GROUND)		R/W MON. EXPECTED TO BE DISTURBED	
CL R/W ALIGNMENT	STATION	OFFSET	NORTH (Y)	EAST (X)	R/W MON.	DESCRIPTION
MANSFIELD AVENUE	11+77.77	30.00' RT	270522.4302'	1971936.0797'	1	IP SET INSIDE CONSTRUCTION LIMITS
MANSFIELD AVENUE	11+83.77	30.00' RT	270528.2995'	1971934.8341'	1	IP SET INSIDE CONSTRUCTION LIMITS
MANSFIELD AVENUE	11+77.77	35.00' RT	270523.4681'	1971940.9707'	1	IP SET INSIDE CONSTRUCTION LIMITS
MANSFIELD AVENUE	11+83.78	35.00' RT	270529.3454'	1971939.7235'	1	IP SET INSIDE CONSTRUCTION LIMITS
MANSFIELD AVENUE	13+10.28	30.00' RT	270652.0479'	1971908.5737'	1	IP SET INSIDE CONSTRUCTION LIMITS
MANSFIELD AVENUE	13+16.28	30.00' RT	270657.9172'	1971907.3282'	1	IP SET INSIDE CONSTRUCTION LIMITS
MANSFIELD AVENUE	13+10.28	35.00' RT	270653.0858'	1971913.4648'	1	IP SET INSIDE CONSTRUCTION LIMITS
MANSFIELD AVENUE	13+16.28	35.00' RT	270658.9551'	1971912.2192'	1	IP SET INSIDE CONSTRUCTION LIMITS
MANSFIELD AVENUE	32+24.50	30.00' RT	272526.5608'	1971637.9449'	1	IP SET INSIDE CONSTRUCTION LIMITS
MANSFIELD AVENUE	33+22.00	30.00' RT	272623.6218'	1971647.1867'	1	IP SET INSIDE CONSTRUCTION LIMITS
MANSFIELD AVENUE	32+24.50	34.00' RT	272526.1816'	1971641.9269'	1	IP SET INSIDE CONSTRUCTION LIMITS
MANSFIELD AVENUE	33+22.00	34.00' RT	272623.2426'	1971651.1687'	1	IP SET INSIDE CONSTRUCTION LIMITS
MANSFIELD AVENUE	38+26.09	40.00' LT	273131.3830'	1971616.2453'		IP SET
MANSFIELD AVENUE	39+45.96	40.00' LT	273251.0355'	1971623.3380'		IP SET
MANSFIELD AVENUE	40+65.85	40.00' LT	273370.7195'	1971630.4326'		IP SET
MANSFIELD AVENUE	41+15.86	40.00' LT	273420.6428'	1971633.3919'		IP SET
MANSFIELD AVENUE	42+35.81	40.00' LT	273540.3832'	1971640.4899'		IP SET
MANSFIELD AVENUE	43+55.81	40.00' LT	273660.1729'	1971647.5907'		IP SET
TOTAL CARRIED TO GENERAL SUMMARY SHEET					12	

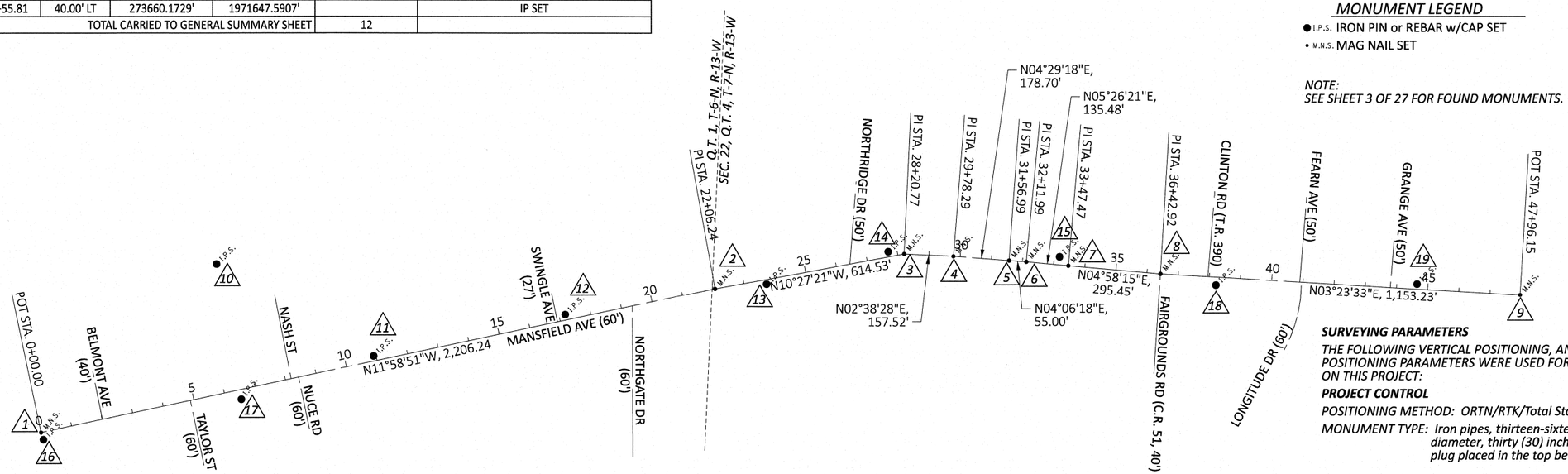
BASIS OF BEARINGS:

The bearings shown herein are based on the Ohio State Plane Coordinate System, North Zone NAD83 (2011). Said bearings originated from a field traverse which was tied (referenced) to said coordinate system by GNSS observations and observations of selected stations in the Ohio Department of Transportation's Ohio Real Time Network. The portion of the centerline of Mansfield Avenue, having a bearing of North 11°58' 51" West, is designated the "Basis of Bearings"for this survey.

BASIS OF EX. C/L OF R/W AND R/W WIDTH:

The existing centerline of Right of Way and Right of Way width were determined using found monumentation and records of Knox County and the City of Mount Vernon, including deeds, surveys and plats as follows:

-"Belmont Subdivision", of record in Volume 3, Page 127
-"Clintonville Sub-Division", of record in Plat Cabinet A, Page 119
-"Compass Pointe", of record in Plat Cabinet B, Page 143
-"Homeside Allotment", of record in Volume 3, Page 107
-"Northridge Subdivision", of record in Volume 3, Page 157
-"Jacob Schafer's Addition to the City of Mt. Vernon Ohio", of record in Plat Cabinet A, Page 78
-"Northgate Subdivision", of record in Volume 3, Page 118
-"Swingle's Mansfield Road Allotment", of record in Plat Cabinet A, P. 106



CENTERLINE & MONUMENT COORDINATE TABLE

Reference	Station Offset (From C/L R/W)		Project Coordinates (See Survey Parameters)		Monument Description	
	Station	Offset	Northing (US ft)	Easting (US ft)	Pt. #	Description
Centerline of R/W - Mansfield Avenue						
1	POT 0+00.00	C/L	269364.0837	1972151.2226		MAG NAIL SET
2	PI 22+06.24	C/L	271522.2685	1971693.2374		MAG NAIL SET
3	PI 28+20.77	C/L	272126.5919	1971581.7149		MAG NAIL SET
4	PI 29+78.29	C/L	272283.9410	1971588.9731		MAG NAIL SET
5	PI 31+56.99	C/L	272462.0930	1971602.9572		MAG NAIL SET
6	PI 32+11.99	C/L	272516.9507	1971606.8942		MAG NAIL SET
7	PI 33+47.47	C/L	272651.8207	1971619.7360		MAG NAIL SET
8	PI 36+42.92	C/L	272946.1596	1971645.3358		MAG NAIL SET
9	POT 47+96.15	C/L	274097.3697	1971713.5770		MAG NAIL SET
Horizontal Control Monuments						
10	6+61.08	407.80' LT	269926.1110	1971615.0720	3	1157 #3 IRS w/cap
11	10+92.50	15.90' LT	270429.4890	1971908.8810	4	1152 #4 IPS w/cap
12	17+19.94	17.44' LT	271042.9380	1971777.1290	5	1152 #5 IPS w/cap
13	23+71.50	14.22' RT	271687.3610	1971677.2300	6	1152 #6 IPS w/cap
14	27+71.61	16.14' LT	272075.3180	1971574.7600	7	1152 #7 IPS w/cap
15	33+16.43	25.70' LT	272623.3630	1971591.2140	8	1152 #8 IPS w/cap
16	0+02.78	23.65' RT	269371.7120	1972173.7790	201	1152 #201 IPS w/cap
17	6+49.64	30.63' RT	270005.9300	1972046.3340	202	1152 #202 IPS w/cap
18	38+22.53	25.35' RT	273123.9540	1971681.2720	203	1152 #203 IPS w/cap
19	44+65.15	16.18' LT	273767.9080	1971677.8340	204	1152 #204 IPS w/cap

SETTING OF ALL MONUMENTS SHALL BE PERFORMED BY A SURVEYOR REGISTERED IN THE STATE OF OHIO. THE MONUMENT ASSEMBLIES AND REFERENCE MONUMENTS WILL BE INSTALLED BY THE CONTRACTOR AT THE TIME OF CONSTRUCTION. THE IRON PIN AND CAP (WHEN REQUIRED) ARE TO BE INSTALLED BY THE CONTRACTOR'S SURVEYOR.

CHANGES OR ALTERATIONS TO THE LOCATION OF ANY MONUMENTS SHOWN IN THIS TABLE, REQUIRE PRIOR APPROVAL FROM THE DISTRICT REAL ESTATE ADMINISTRATOR OF THE OHIO DEPARTMENT OF TRANSPORTATION. IN THE EVENT THAT CHANGES OR ALTERATIONS ARE APPROVED, A REVISED CENTERLINE PLAT WITH THE NEW LOCATIONS SHALL BE RECORDED IN THE APPLICABLE COUNTY RECORDS AND THE OHIO DEPARTMENT OF TRANSPORTATION. SPECIFICATIONS FOR MONUMENT ASSEMBLIES, REFERENCE MONUMENTS AND RIGHT OF WAY MONUMENTS ARE SHOWN ON STANDARD CONSTRUCTION DRAWING RM-1.1.

I, JOSHUA M. MEYER, P. S. have conducted a survey of the existing conditions for the City of Mount Vernon on May, 2021. The results of that survey are contained herein. The horizontal coordinates expressed herein are based on the Ohio State Plane Coordinate System, North Zone on NAD83(2011) datum. The Project Coordinates (US Survey feet) are relative to State Plane Grid Coordinates (meters or US Survey feet) by a Project Adjustment Factor multiplier of 1.00004200822162. As a part of this project I have reestablished the locations of the existing property lines and centerline of existing Right of Way for property takes contained herein. All of my work contained herein was conducted in accordance with Ohio Administrative Code 4733-37 commonly known as "A Minimum Standards for Boundary Surveys in the State of Ohio" unless noted. The words I and my as use herein are to mean either myself or someone working under my direct supervision.

JOSHUA M. MEYER, Professional Land Surveyor No. 8485, Date: September 18, 2023

STATE OF OHIO — JOSHUA M. MEYER S-8485 — REGISTERED PROFESSIONAL SURVEYOR

SURVEYING PARAMETERS

THE FOLLOWING VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS WERE USED FOR ALL SURVEYING ON THIS PROJECT:

PROJECT CONTROL

POSITIONING METHOD: ORTN/RTK/Total Station/Differential Leveling

MONUMENT TYPE: Iron pipes, thirteen-sixteenths (13/16) inch inside diameter, thirty (30) inches long with a red plastic plug placed in the top bearing the text EMHT TRAV.

Iron rebar, five-eights (5/8) inch diameter, twelve (12) inches long with a red plastic cap placed on the top bearing the text EMHT TRAV.

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: 18

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83(2011)
ELLIPSOID: GRS 80
MAP PROJECTION: Lambert Conformal Conic
COORDINATE SYSTEM: Ohio State Plane, North Zone
COMBINED SCALE FACTOR: 1.00004200822162 (Grid to Ground)
ORIGIN OF COORDINATE SYSTEM: N: 269371.712, E: 1972173.779

UNITS ARE IN U.S. SURVEY FEET. USE THE FOLLOWING CONVERSION FACTOR: 1 METER = 3.280833333 U.S. SURVEY FEET.

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN CCORDANCE WITH CMS 623.

HORIZONTAL SCALE IN FEET: 0, 100, 200, 400

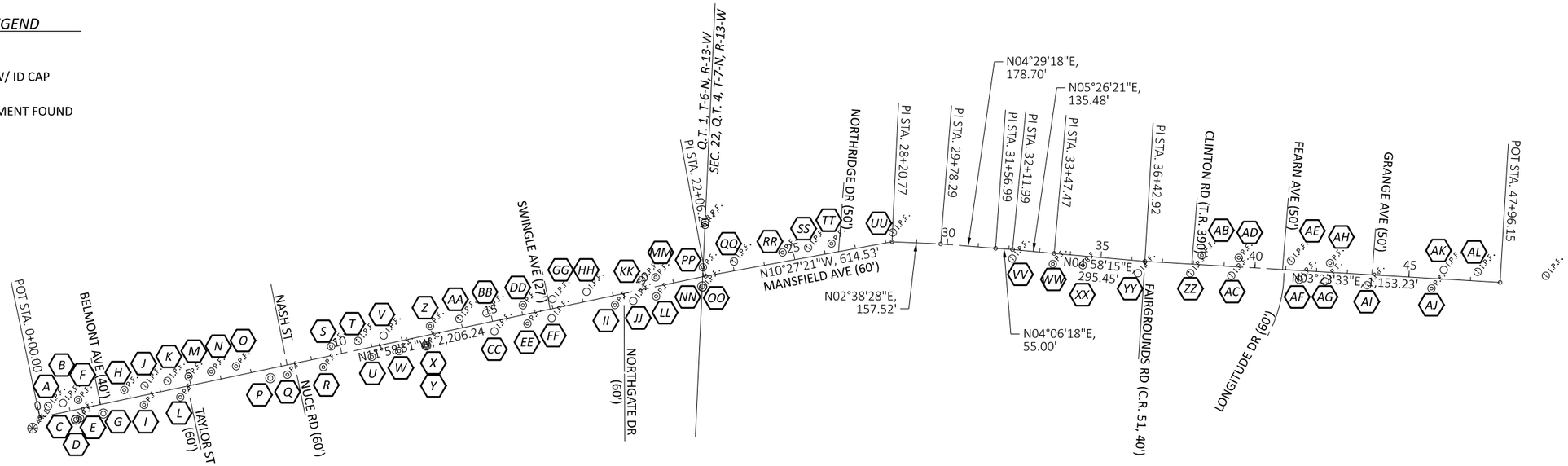
CENTERLINE PLAT (1 OF 2)

DESIGN AGENCY: EMHT
DESIGNER: BLM
REVIEWER: JMM
PROJECT ID: 115280
SUBSET: RW.2 TOTAL: RW.28
SHEET TOTAL

RECEIVED _____, 20 ____
RECORDED _____, 20 ____
BOOK _____ PAGE _____
COUNTY RECORDER

KNO-CR5-0.47

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EXISTING MONUMENTS FOUND COORDINATE TABLE

Reference	Station Offset (From C/L R/W)		Project Coordinates (See Survey Parameters)		Monument Description		Reference	Station Offset (From C/L R/W)		Project Coordinates (See Survey Parameters)		Monument Description	
	Station	Offset	Northing (US ft)	Easting (US ft)	Pt. #	Description		Station	Offset	Northing (US ft)	Easting (US ft)	Pt. #	Description
	Miscellaneous Monuments							**Miscellaneous Monuments**					
A	0+33.32	30.15' LT	269390.4160	1972114.8150	617	5/8" IRON REBAR FOUND w/CAP "TRACY AND MILLS"	GG	17+04.65	30.40' LT	271025.2860	1971767.6250	646	5/8" IRON REBAR FOUND
B	0+82.66	30.16' LT	269438.6780	1972104.5590	616	5/8" IRON REBAR FOUND, BENT	HH	18+17.81	30.49' LT	271135.9670	1971744.0410	647	5/8" IRON REBAR FOUND
C	1+11.46	29.86' RT	269479.3122	1972157.2960	668	5/8" IRON REBAR FOUND	II	18+99.19	30.30' RT	271228.1970	1971786.6180	630	3/4" IRON PIPE FOUND
D	1+13.10	31.23' RT	269481.2051	1972158.2980	1022	CONCRETE MONUMENT FOUND	JJ	19+60.09	30.06' RT	271287.7200	1971773.7430	624	5/8" IRON REBAR FOUND
E	1+26.79	30.01' RT	269494.3460	1972154.2590	602	1/2" IRON PIPE FOUND	KK	19+99.88	29.82' LT	271314.2120	1971706.9010	648	3/4" IRON PIPE FOUND w/CAP "VANCE PS6553"
F	1+33.13	30.14' LT	269488.0610	1972094.1070	615	3/4" IRON PIPE FOUND	LL	20+35.54	30.64' RT	271361.6390	1971758.6480	623	3/4" IRON PIPE FOUND
G	2+03.82	30.39' RT	269569.7733	1972138.6360	1069	CONCRETE MONUMENT FOUND	MM	20+46.56	29.97' LT	271359.8430	1971697.0730	649	3/4" IRON PIPE FOUND
H	2+85.95	30.10' LT	269637.5570	1972062.4230	614	1/2" IRON PIPE FOUND	NN	21+88.54	30.16' RT	271511.2089	1971726.4160	3808	CONCRETE MONUMENT FOUND
I	3+38.56	30.12' RT	269701.5260	1972110.4060	603	3/4" IRON PIPE FOUND	OO	21+89.79	34.15' RT	271513.2670	1971730.0600	622	5/8" IRON REBAR FOUND, BENT
J	3+52.95	29.94' LT	269703.1310	1972048.6690	613	5/8" IRON REBAR FOUND w/CAP "TRACY AND MILLS"	PP	22+03.31	29.97' LT	271513.1780	1971664.5340	687	3/4" IRON PIPE FOUND
K	4+28.92	29.83' LT	269777.4690	1972033.0040	612	5/8" IRON REBAR FOUND w/CAP - ILLEGIBLE	QQ	23+05.03	30.07' LT	271613.9550	1971645.7410	650	3/4" IRON PIPE FOUND w/CAP "VANCE PS6553"
L	4+58.81	30.08' RT	269819.1470	1972085.4010	604	3/4" IRON PIPE FOUND	RR	24+65.22	30.07' LT	271771.4840	1971616.6670	651	3/4" IRON PIPE FOUND
M	4+98.95	29.86' LT	269845.9690	1972018.4410	611	3/4" IRON PIPE FOUND	SS	25+49.44	30.24' LT	271854.2760	1971601.2160	652	5/8" IRON REBAR FOUND w/CAP - ILLEGIBLE
N	5+73.82	29.85' LT	269919.2080	1972002.9020	610	1-1/4" IRON PIPE FOUND	TT	26+26.48	29.74' LT	271930.1310	1971587.7270	653	3/4" IRON PIPE FOUND
O	6+56.54	30.34' LT	270000.0250	1971985.2500	609	1/2" IRON PIPE FOUND	UU	28+21.75	30.00' LT	272128.9540	1971551.7920	657	5/8" IRON REBAR FOUND w/CAP "TRACY AND MILLS"
P	7+57.08	30.47' RT	270110.9939	1972023.8730	1590	CONCRETE MONUMENT FOUND	VV	32+13.62	29.32' RT	272515.7930	1971636.2390	660	5/8" IRON PIPE FOUND w/CAP "VANCE PS6553"
Q	8+13.34	31.00' RT	270166.1430	1972012.7050	605	3/4" IRON PIPE FOUND	WW	33+46.68	34.31' RT	272647.7900	1971653.8160	659	3/4" IRON PIPE FOUND
R	9+32.74	31.23' RT	270282.9910	1971988.1510	608	3/4" IRON PIPE FOUND, BENT	XX	34+43.40	30.28' RT	272744.7720	1971658.2100	658	3/4" IRON PIPE FOUND
S	9+70.85	28.92' LT	270307.7840	1971921.3930	637	3/4" IRON PIPE FOUND	YY	36+23.79	40.08' RT	272923.6300	1971683.6080	686	5/8" IRON REBAR FOUND
T	10+59.85	28.68' LT	270394.8920	1971903.1580	638	5/8" IRON REBAR FOUND w/CAP "TRACY AND MILLS"	ZZ	37+92.20	29.65' RT	273093.4320	1971683.7650	678	3/4" IRON PIPE FOUND w/CAP "VANCE PS6553"
U	10+93.43	31.38' RT	270440.2100	1971954.9370	636	3/4" IRON PIPE FOUND	AB	38+25.88	30.28' LT	273130.5930	1971625.9390	671	3/4" IRON PIPE FOUND
V	11+45.10	28.36' LT	270478.3500	1971885.7710	639	3/4" SOLID IRON PIN FOUND	AC	39+25.18	29.82' RT	273226.1660	1971691.8090	679	3/4" IRON PIPE FOUND w/CAP "RICHLAND ENG PS4939"
W	11+83.78	31.40' RT	270528.5930	1971936.2040	635	3/4" IRON PIPE FOUND	AD	39+45.87	29.76' LT	273250.3400	1971633.5540	670	3/4" IRON PIPE FOUND
X	12+73.06	32.23' RT	270616.1030	1971918.4800	634	1" IRON PIPE FOUND	AE	41+15.65	30.11' LT	273419.8510	1971643.2480	666	5/8" IRON REBAR FOUND w/CAP "TRACY AND MILLS"
Y	12+73.33	32.18' RT	270616.3582	1971918.3710	2763	CONCRETE MONUMENT FOUND	AF	41+45.33	29.90' RT	273445.9210	1971704.9130	683	5/8" IRON REBAR FOUND w/CAP "VANCE PS7922"
Z	12+98.89	27.55' LT	270628.9570	1971854.6410	640	3/4" IRON PIPE FOUND	AG	42+29.36	29.92' RT	273529.8000	1971709.9070	684	5/8" IRON REBAR FOUND
AA	13+96.19	30.33' LT	270723.5640	1971831.7190	641	5/8" IRON REBAR FOUND w/CAP "TRACY AND MILLS"	AH	42+42.66	29.88' LT	273546.6160	1971651.0000	665	3/4" IRON PIPE FOUND
BB	14+86.16	30.50' LT	270811.5430	1971812.8800	642	5/8" IRON REBAR FOUND	AI	43+66.72	34.28' RT	273666.6700	1971722.3830	685	5/8" IRON REBAR FOUND w/CAP - ILLEGIBLE
CC	14+99.10	32.85' RT	270837.3520	1971872.1690	633	5/8" IRON REBAR FOUND	AJ	45+75.46	32.65' RT	273875.1410	1971733.1140	661	1" IRON PIPE FOUND
DD	16+06.93	30.84' LT	270929.6040	1971787.4760	643	3/4" IRON PIPE FOUND	AK	46+11.71	29.78' LT	273915.0190	1971672.9400	664	5/8" IRON REBAR FOUND
EE	16+09.22	30.45' RT	270944.5750	1971846.9620	632	1/2" IRON PIPE FOUND	AL	47+21.61	29.98' LT	274024.7390	1971679.2390	663	5/8" IRON REBAR FOUND w/CAP "VANCE PS6553"
FF	16+89.57	29.68' RT	271023.0080	1971829.5300	631	5/8" IRON REBAR FOUND							

KNO-CR5-0.47

MODEL: Sheet - 2 PAPERSIZE: 17x11 (in.) DATE: 9/18/2023 TIME: 2:17:59 PM USER: bmccutchen
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CENTERLINE PLAT (2 OF 2)

DESIGN AGENCY: EMH&T

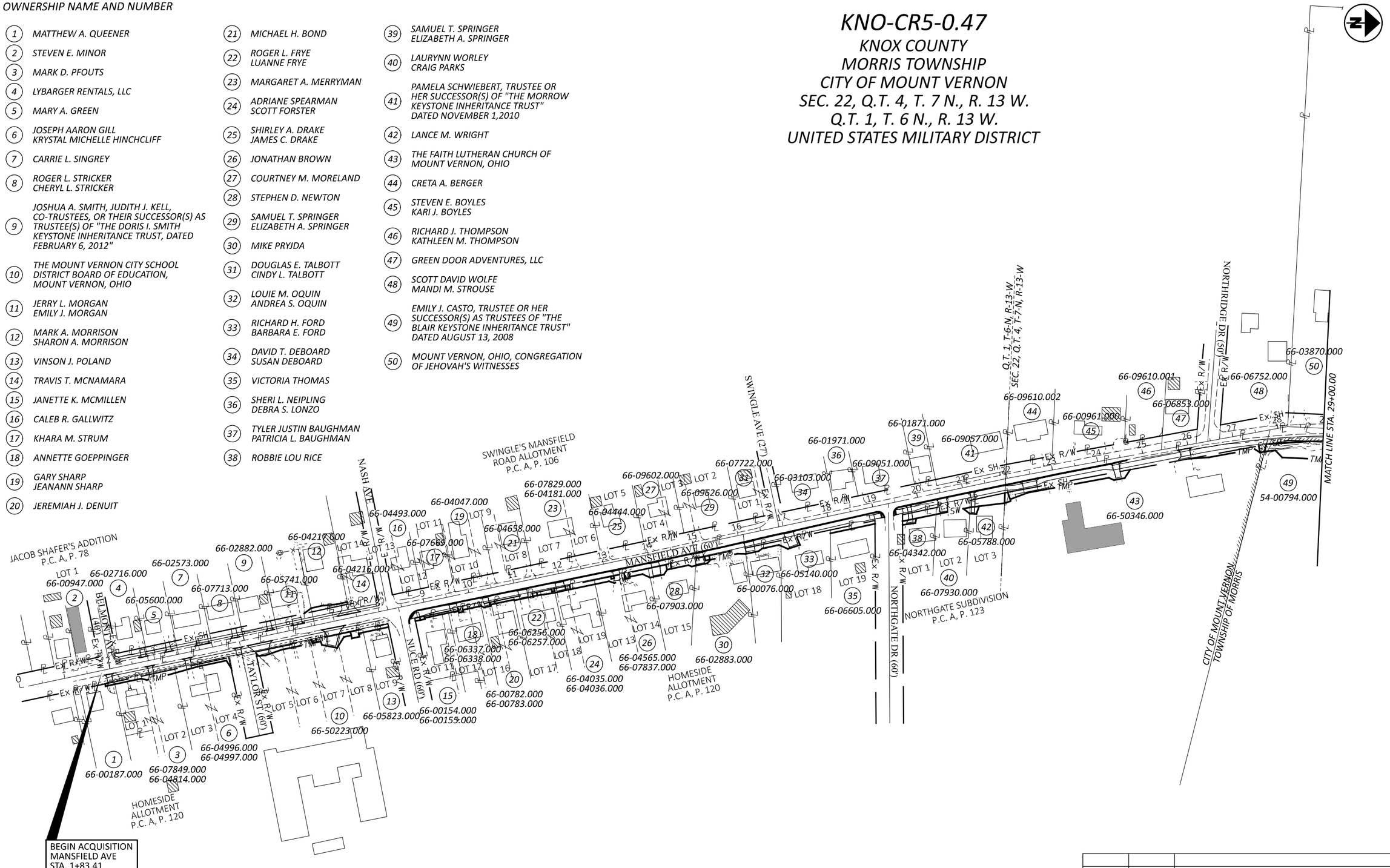
DESIGNER: BLM
REVIEWER: JMM
PROJECT ID: 115280
SUBSET: RW.3 TOTAL: RW.28
SHEET: 1 TOTAL

KNO-CR5-0.47

KNOX COUNTY
MORRIS TOWNSHIP
CITY OF MOUNT VERNON
SEC. 22, Q.T. 4, T. 7 N., R. 13 W.
Q.T. 1, T. 6 N., R. 13 W.
UNITED STATES MILITARY DISTRICT

OWNERSHIP NAME AND NUMBER

1. MATTHEW A. QUEENER
2. STEVEN E. MINOR
3. MARK D. PFOUTS
4. LYBARGER RENTALS, LLC
5. MARY A. GREEN
6. JOSEPH AARON GILL
   KRYSTAL MICHELLE HINCHCLIFF
7. CARRIE L. SINGREY
8. ROGER L. STRICKER
   CHERYL L. STRICKER
9. JOSHUA A. SMITH, JUDITH J. KELL, CO-TRUSTEES, OR THEIR SUCCESSOR(S) AS TRUSTEE(S) OF "THE DORIS I. SMITH KEYSTONE INHERITANCE TRUST, DATED FEBRUARY 6, 2012"
10. THE MOUNT VERNON CITY SCHOOL DISTRICT BOARD OF EDUCATION, MOUNT VERNON, OHIO
11. JERRY L. MORGAN
    EMILY J. MORGAN
12. MARK A. MORRISON
    SHARON A. MORRISON
13. VINSON J. POLAND
14. TRAVIS T. MCNAMARA
15. JANETTE K. MCMILLEN
16. CALEB R. GALLWITZ
17. KHARA M. STRUM
18. ANNETTE GOEPPINGER
19. GARY SHARP
    JEANANN SHARP
20. JEREMIAH J. DENUIT
21. MICHAEL H. BOND
22. ROGER L. FRYE
    LUANNE FRYE
23. MARGARET A. MERRYMAN
24. ADRIANE SPEARMAN
    SCOTT FORSTER
25. SHIRLEY A. DRAKE
    JAMES C. DRAKE
26. JONATHAN BROWN
27. COURTNEY M. MORELAND
28. STEPHEN D. NEWTON
29. SAMUEL T. SPRINGER
    ELIZABETH A. SPRINGER
30. MIKE PRYJDA
31. DOUGLAS E. TALBOTT
    CINDY L. TALBOTT
32. LOUIE M. OQUIN
    ANDREA S. OQUIN
33. RICHARD H. FORD
    BARBARA E. FORD
34. DAVID T. DEBOARD
    SUSAN DEBOARD
35. VICTORIA THOMAS
36. SHERI L. NEIPLING
    DEBRA S. LONZO
37. TYLER JUSTIN BAUGHMAN
    PATRICIA L. BAUGHMAN
38. ROBBIE LOU RICE
39. SAMUEL T. SPRINGER
    ELIZABETH A. SPRINGER
40. LAURYNN WORLEY
    CRAIG PARKS
41. PAMELA SCHWIEBERT, TRUSTEE OR HER SUCCESSOR(S) OF "THE MORROW KEYSTONE INHERITANCE TRUST" DATED NOVEMBER 1,2010
42. LANCE M. WRIGHT
43. THE FAITH LUTHERAN CHURCH OF MOUNT VERNON, OHIO
44. CRETA A. BERGER
45. STEVEN E. BOYLES
    KARI J. BOYLES
46. RICHARD J. THOMPSON
    KATHLEEN M. THOMPSON
47. GREEN DOOR ADVENTURES, LLC
48. SCOTT DAVID WOLFE
    MANDI M. STROUSE
49. EMILY J. CASTO, TRUSTEE OR HER SUCCESSOR(S) AS TRUSTEES OF "THE BLAIR KEYSTONE INHERITANCE TRUST" DATED AUGUST 13, 2008
50. MOUNT VERNON, OHIO, CONGREGATION OF JEHOVAH'S WITNESSES



HORIZONTAL SCALE IN FEET
0 50 100 200

PROPERTY MAP (1 OF 2)

REV. BY	DATE	DESCRIPTION

DATE COMPLETED: 7/14/2023

DESIGN AGENCY
EMH&T

DESIGNER BLM
REVIEWER JMM
PROJECT ID 115280
SUBSET RW.4 TOTAL RW.28
SHEET TOTAL

KNO-CR5-0.47

MODEL: Sheet1 PAPERSIZE: 17x11 (in.) DATE: 9/18/2023 TIME: 2:18:01 PM USER: bmcoutchen
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KNO-CR5-0.47

KNOX COUNTY
MORRIS TOWNSHIP
CITY OF MOUNT VERNON
SEC. 22, Q.T. 4, T. 7 N., R. 13 W.
Q.T. 1, T. 6 N., R. 13 W.
UNITED STATES MILITARY DISTRICT

OWNERSHIP NAME AND NUMBER

49 EMILY J. CASTO, TRUSTEE OR HER SUCCESSOR(S) AS TRUSTEES OF "THE BLAIR KEYSTONE INHERITANCE TRUST" DATED AUGUST 13, 2008

50 MOUNT VERNON, OHIO, CONGREGATION OF JEHOVAH'S WITNESSES

51 GREG PRICE
PAGE R. PRICE

52 DAVID L. BLAIR AND JANIE L. BLAIR, TRUSTEES OF "THE BLAIR FAMILY TRUST" DATED AUGUST 13, 2008

53 NICK WILLIAMS

54 CAROLYN ISAMAN
MARK KING

55 MAX L. FRANZ

56 CHARLES B. EIS

57 RIVERSIDE RECOVERY SERVICE, LLC

58 NOT USED

59 JESSICA SHAW
JACOB SHAW

60 JUSTIN LYN SMITH
CASSIE LEE SHEETS VILFER

61 NICHOLAS E. ZARLEY

62 KERRY B. KING
SANDRA K. KING

63 RHONDA L. STATLER

64 COREY SHELLER
MARLEY LANG

65 MICHAEL J. SHIRE

66 ROBIN A. SMITH

67 RENDA L. WILSON

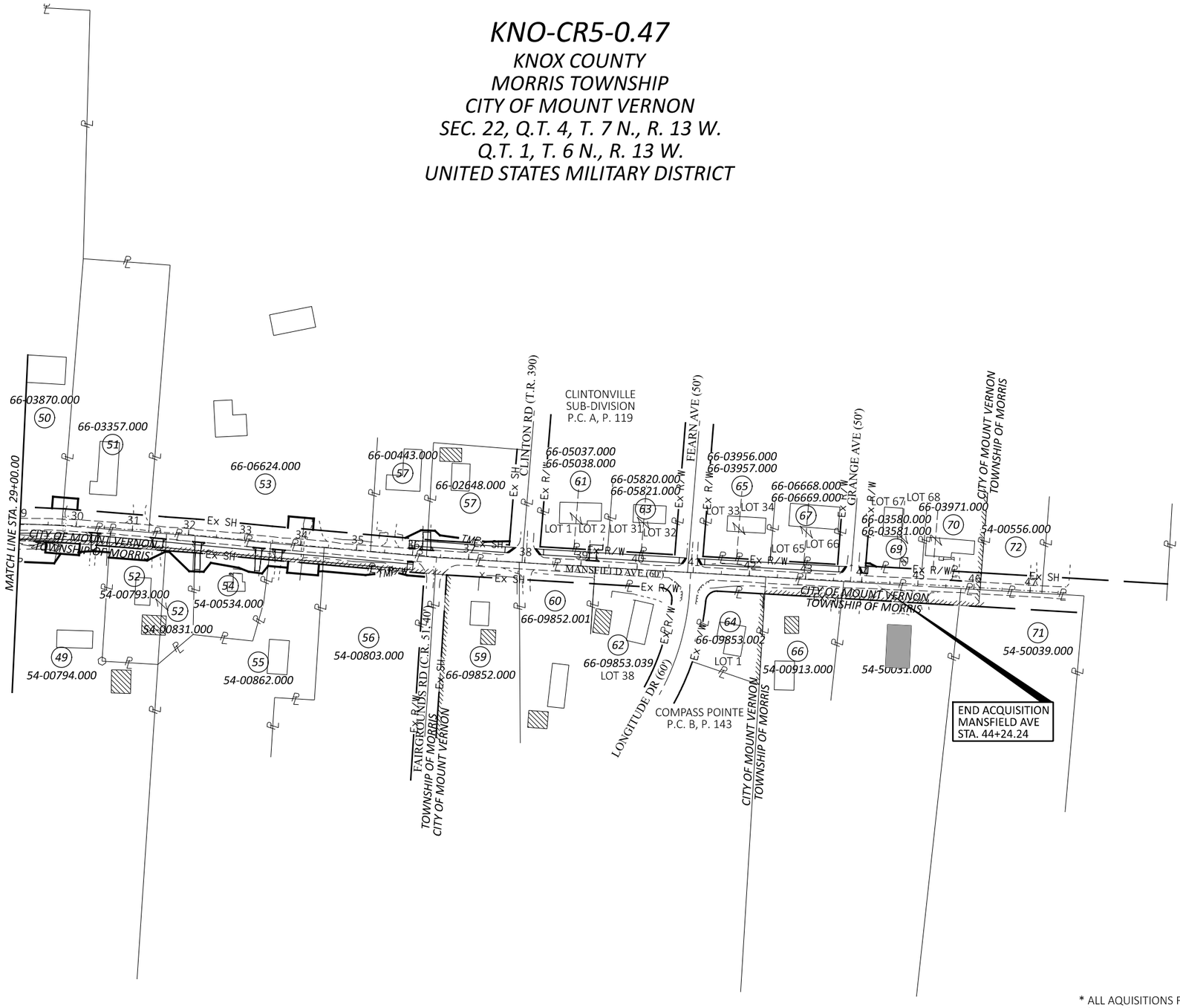
68 TRUSTEES OF THE GRACE BRETHREN CHURCH

69 SCOTT M. WHITE
NICOLE L. BUMPUS

70 JERRY SCOTT

71 GRACE BRETHREN CHURCH

72 ASHCRAFT PROPERTIES, LLC



* ALL AQUISITIONS FOR PARCELS 49, 50, 51, 53 & 55 TO BE ACQUIRED UNDER THE MANSFIELD AVENUE WATERLINE & DRAINAGE IMPROVEMENT PROJECT.

REV. BY	DATE	DESCRIPTION

DATE COMPLETED: 7/14/2023

HORIZONTAL SCALE IN FEET
0 50 100 200

PROPERTY MAP (2 OF 2)

DESIGN AGENCY
EMH&T

DESIGNER BLM
REVIEWER JMM
PROJECT ID 115280
SUBSET RW.5 TOTAL RW.28
SHEET TOTAL

KNO-CR5-0.47

MODEL: Sheet2 PAPERSIZE: 17x11 (in.) DATE: 9/18/2023 TIME: 2:18:02 PM USER: bmcculchen
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TOTAL NUMBER OF :

31 - OWNERSHIPS
58 - PARCELS
0 - TOTAL TAKES
0 - OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE
NET TAKE = GROSS TAKE - PRO IN TAKE
ALL AREAS IN ACRES

GRANTEE:

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF THE CITY OF MOUNT VERNON UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S		TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		REMARKS
			BOOK	PAGE	PARCEL NUMBER	RECORD AREA						LEFT	RIGHT	
1-T	MATTHEW A. QUEENER	11, 12	O.R. 1883	543	66-00187.000	0.3091	0.000	0.002	0.000	0.002				TO COMPLETE GRADING, *1 BOULDER
2	STEVEN E. MINOR	11, 12	O.R. 1942	288	66-00947.000	0.1435	0.000							NO ADDITIONAL R/W REQUIRED, *PYLON SIGN
3-T	MARK D. PFOUTS	11, 12	O.R. 1473	619	66-07849.000	0.3099	0.000	0.010	0.000	0.010				TO COMPLETE GRADING
					66-04814.000	0.2479	0.000	0.013	0.000	0.013				*3 BOULDERS, *1 BUSH
	TOTAL					0.5578	0.000	0.023	0.000	0.023				
4	LYBARGER RENTALS, LLC	11, 12	O.R. 1857	333	66-02716.000	0.3248	0.000							NO ADDITIONAL R/W REQUIRED
5	MARY A. GREEN	11, 12	D.B. 488	819	66-05600.000	0.2507	0.046							NO ADDITIONAL R/W REQUIRED, *3 WOODEN POSTS
														*LANDSCAPING, *2 STUMPS
6-T	JOSEPH AARON GILL	11, 12	O.R. 1933	389	66-04996.000	0.2479	0.000	0.009	0.000	0.009				TO COMPLETE GRADING
	KRYSTAL MICHELLE HINCHCLIFF				66-04997.000	0.2479	0.000	0.008	0.000	0.008				*4' CHAINLINK FENCE
	TOTAL					0.4958	0.000	0.017	0.000	0.017				
7	CARRIE L. SINGREY	11, 12	O.R. 1325	150	66-02573.000	0.2844	0.052							NO ADDITIONAL R/W REQUIRED
8	ROGER L. STRICKER	11, 12	D.B. 448	904	66-07713.000	0.2748	0.048							NO ADDITIONAL R/W REQUIRED
	CHERYL L. STRICKER													
9	JOSHUA A. SMITH, JUDITH J. KELL, CO-TRUSTEES,	11, 12	O.R. 1838	944	66-02882.000	0.2944	0.052							NO ADDITIONAL R/W REQUIRED
	OR THEIR SUCCESSOR(S) AS TRUSTEE(S) OF "THE DORIS													
	I. SMITH KEYSTONE INHERITANCE TRUST, DATED													
	FEBRUARY 6, 2012"													
10-SW1	THE MOUNT VERNON CITY SCHOOL DISTRICT BOARD	11-14	D.B. 204	625	66-50223.000	0.992	0.000	0.002	0.000	0.002				
10-SW2	OF EDUCATION, MOUNT VERNON, OHIO							0.007	0.000	0.007				
	TOTAL							0.009	0.000	0.009				
10-T1								0.023	0.000	0.023				TO COMPLETE GRADING
10-T2								0.028	0.000	0.028				TO COMPLETE GRADING
	TOTAL							0.051	0.000	0.051				
11-T	JERRY L. MORGAN	11, 12	O.R. 1137	482	66-05741.000	0.3252	0.057	0.002	0.000	0.002				TO COMPLETE GRADING
	EMILY J. MORGAN													*20' TIMBER WALL, *BOULDER AND LANDSCAPING
12-T	MARK A. MORRISON	11-14	D.B. 435	842	66-04217.000	0.314	0.000	0.012	0.000	0.012				TO COMPLETE GRADING, 6 BUSHES AND LANDSCAPING
	SHARON A. MORRISON													
13-T	VINSON J. POLAND	13, 14	O.R. 1275	6	66-05823.000	0.2479	0.000	0.009	0.000	0.009				TO COMPLETE GRADING, 1 TREE
14	TRAVIS T. MCNAMARA	13, 14	O.R. 1684	526	66-04216.000	0.3636								NO ADDITIONAL R/W REQUIRED
15-T1	JANETTE K. MCMILLEN	13, 14	O.R. 1615	74	66-00154.000	0.1928	0.000	0.002	0.000	0.002				TO COMPLETE GRADING
15-T2			O.R. 1643	843				0.004	0.000	0.004				TO COMPLETE GRADING
					66-00155.000	0.0450	0.000	0.001	0.000	0.001				
	15-T2 TOTAL							0.005	0.000	0.005				
	GRAND TOTAL					0.2378	0.000	0.007	0.000	0.007				
15-SW					66-00154.000	0.1928	0.000	0.001	0.000	0.001				
16	CALEB R. GALLWITZ	13, 14	O.R. 1979	898	66-04493.000	0.1836	0.000							NO ADDITIONAL R/W REQUIRED
17	KHARA M. STRUM	13, 14	O.R. 1974	231	66-07669.000	0.2198	0.000							NO ADDITIONAL R/W REQUIRED

TYPES OF TITLE LEGEND:

SH = STANDARD HIGHWAY EASEMENT
SW = DRAINAGE EASEMENT
T = TEMPORARY EASEMENT

NOTE: ALL TEMPORARY PARCELS TO BE OF 12 MONTH DURATION.

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

** DENOTES RIGHT OF WAY ENCROACHMENT*

(c) = CALCULATED AREA

REV. BY	DATE	DESCRIPTION

FIELD REVIEW BY: BRANDON KING DATE: 7/5/2023
OWNERSHIP VERIFIED BY: BRANDON KING DATE: 7/13/2023
PLAN COMPLETION DATE: 7/14/2023

SUMMARY OF ADDITIONAL RIGHT OF WAY
PARCELS 1-17

DESIGN AGENCY
EMH&T

DESIGNER BLM
REVIEWER JMM
PROJECT ID 115280
SUBSET RW.6 TOTAL RW.28
SHEET TOTAL

KNO-CR5-0.47

MODEL: RS001 - Sheet PAPERSIZE: 17x11 (in.) DATE: 9/18/2023 TIME: 2:18:03 PM USER: bmccutchen
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NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE
NET TAKE = GROSS TAKE - PRO IN TAKE
ALL AREAS IN ACRES

GRANTEE:

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF THE CITY OF MOUNT VERNON UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S		TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		REMARKS
			BOOK	PAGE	PARCEL NUMBER	RECORD AREA						LEFT	RIGHT	
18-T1	ANNETTE GOEPPINGER	13, 14	D.B. 505	856	66-06338.000	0.1589	0.000	0.002	0.000	0.002				TO COMPLETE GRADING, *58' STONE EDGING
18-T2							0.000	0.001	0.000	0.001				TO COMPLETE GRADING
					66-06337.000	0.1116	0.000	0.003	0.000	0.003				
	18-T2 TOTAL							0.004	0.000	0.004				
	GRAND TOTAL					0.2705	0.000	0.006	0.000	0.006				
18-SW					66-06338.000	0.1589	0.000	0.002	0.000	0.002				
19	GARY SHARP	13, 14	O.R. 1824	574	66-04047.000	0.5404	0.000							NO ADDITIONAL R/W REQUIRED, *FLAG POLE AND
	JEANANN SHARP													*12' DIA. LANDSCAPING
20-T1	JEREMIAH J. DENUIT	13, 14	O.R. 1804	196	66-00782.000	0.1364	0.000	0.004	0.000	0.004				TO COMPLETE GRADING
20-T2							0.000	0.0004	0.000	0.0004				TO COMPLETE GRADING
					66-00783.000	0.1653	0.000	0.0049	0.000	0.0049				
	20-T2 TOTAL							0.0053	0.000	0.0053				
	GRAND TOTAL					0.3017	0.000	0.0093	0.000	0.0093				
20-SW					66-00782.000	0.1364	0.000	0.001	0.000	0.001				LIGHT AND POST
21	MICHAEL H. BOND	13, 14	O.R. 1515	895	66-04658.000	0.5221	0.000							NO ADDITIONAL R/W REQUIRED
22-T1	ROGER L. FRYE	13, 14	D.B. 395	613	66-06256.000	0.2479	0.000	0.007	0.000	0.007				TO COMPLETE GRADING
22-T2	LUANNE FRYE						0.000	0.002	0.000	0.002				TO COMPLETE GRADING
					66-06257.000	0.124	0.000	0.005	0.000	0.005				
	22-T2 TOTAL							0.007	0.000	0.007				
	GRAND TOTAL					0.3719	0.000	0.014	0.000	0.014				
22-SW					66-06256.000	0.2479	0.000	0.002	0.000	0.002				
22-SH					66-06257.000	0.124	0.000	0.001	0.000	0.001			0.123	
23	MARGARET A. MERRYMAN	13-16	O.R. 1685	832	66-07829.000	0.2962	0.000							NO ADDITIONAL R/W REQUIRED
					66-04181.000	0.174								
24-T1	ADRIANE SPEARMAN	13-16	O.R. 1085	359	66-04035.000	0.124	0.000	0.005	0.000	0.005				TO COMPLETE GRADING,1 TREE, LANDSCAPING GRASSES
24-T2	SCOTT FORSTER				66-04036.000	0.2479	0.000	0.011	0.000	0.011				TO COMPLETE GRADING
	TOTAL					0.3719	0.000	0.016	0.000	0.016				
24-SW					66-04035.000	0.124	0.000	0.001	0.000	0.001				
					66-04036.000	0.2479	0.000	0.001	0.000	0.001				
	TOTAL					0.3719	0.000	0.002	0.000	0.002				
25	SHIRLEY A. DRAKE	15, 16	O.R. 1588	587	66-04444.000	0.2962	0.000							NO ADDITIONAL R/W REQUIRED
	JAMES C. DRAKE													
26-T1	JONATHAN BROWN	15, 16	O.R. 1942	583	66-04565.000	0.2479	0.000	0.015	0.000	0.015				TO COMPLETE GRADING
					66-07837.000	0.2479	0.000	0.002	0.000	0.002				1 BOULDER
	26-T1 TOTAL							0.017	0.000	0.017				
26-T2					66-07837.000	0.2479	0.000	0.011	0.000	0.011				TO COMPLETE GRADING
	GRAND TOTAL					0.4958	0.000	0.028	0.000	0.028				
26-SH					66-04565.000	0.2479	0.000	0.001	0.000	0.001			0.2469	
26-SW					66-07837.000	0.2479	0.000	0.003	0.000	0.003				
27	COURTNEY M. MORELAND	15, 16	O.R. 1842	165	66-09602.000	0.2913	0.000							NO ADDITIONAL R/W REQUIRED

TYPES OF TITLE LEGEND:

SH = STANDARD HIGHWAY EASEMENT
SW = DRAINAGE EASEMENT
T = TEMPORARY EASEMENT

NOTE: ALL TEMPORARY PARCELS TO BE OF 12 MONTH DURATION.

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

** DENOTES RIGHT OF WAY ENCROACHMENT*

(c) = CALCULATED AREA

REV. BY	DATE	DESCRIPTION

FIELD REVIEW BY: BRANDON KING DATE: 7/5/2023
OWNERSHIP VERIFIED BY: BRANDON KING DATE: 7/13/2023
PLAN COMPLETION DATE: 7/14/2023

SUMMARY OF ADDITIONAL RIGHT OF WAY
PARCELS 18-27

DESIGN AGENCY
EMH&T

DESIGNER BLM
REVIEWER JMM
PROJECT ID 115280
SUBSET RW.7 TOTAL RW.28
SHEET TOTAL

KNO-CR5-0.47

MODEL: RS002 - Sheet PAPERSIZE: 17x11 (in.) DATE: 9/18/2023 TIME: 2:18:03 PM USER: bmccutchen
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NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE
NET TAKE = GROSS TAKE - PRO IN TAKE
ALL AREAS IN ACRES

GRANTEE:

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF THE CITY OF MOUNT VERNON UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S		TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		REMARKS
			BOOK	PAGE	PARCEL NUMBER	RECORD AREA						LEFT	RIGHT	
28-T1	STEPHEN D. NEWTON	15, 16	O.R. 1340	248	66-07903.000	0.314	0.000	0.017	0.000	0.017				TO COMPLETE GRADING, *21' BRICK EDGING, 2 TREES
28-T2								0.015	0.000	0.015				22' BRICK EDGING
	TOTAL							0.032	0.000	0.032				TO COMPLETE GRADING
28-SW								0.002	0.000	0.002				
29	SAMUEL T. SPRINGER	15, 16	O.R. 1938	737	66-09626.000	0.3053	0.000							NO ADDITIONAL R/W REQUIRED
	ELIZABETH A. SPRINGER													
30-T	MIKE PRYJDA	15, 16	O.R. 1665	103	66-02883.000	0.6386	0.073	0.025	0.000	0.025				TO COMPLETE GRADING, 2 TREES
30-SW								0.002	0.000	0.002				
31	DOUGLAS E. TALBOTT	15, 16	O.R. 987	976	66-07722.000	0.2185	0.000							NO ADDITIONAL R/W REQUIRED
	CINDY L. TALBOTT													
32-T	LOUIE M. OQUIN	15, 16	O.R. 1845	90	66-00076.000	0.3306	0.000	0.019	0.000	0.019				TO COMPLETE GRADING
	ANDREA S. OQUIN													
33-T	RICHARD H. FORD	15-18	D.B. 481	484	66-05140.000	0.3309	0.000	0.016	0.000	0.016				TO COMPLETE GRADING
	BARBARA E. FORD													*1 POST
34	DAVID T. DEBOARD	17, 18	D.B. 427	306	66-03103.000	0.2594	0.000							NO ADDITIONAL R/W REQUIRED
	SUSAN DEBOARD													
35-T	VICTORIA THOMAS	17, 18	O.R. 1883	6	66-06605.000	0.3591	0.000	0.016	0.000	0.016				TO COMPLETE GRADING, *1 BUSH, 2 TREES
36	SHERI L. NEIPLING	17, 18	O.R. 1834	309	66-01971.000	0.1818	0.000							NO ADDITIONAL R/W REQUIRED
	DEBRA S. LONZO													
37	TYLER JUSTIN BAUGHMAN	17, 18	O.R. 1776	740	66-09051.000	0.4223	0.000							NO ADDITIONAL R/W REQUIRED
	PATRICIA L. BAUGHMAN													
38-T	ROBBIE LOU RICE	17, 18	D.B. 456	259	66-04342.000	0.2307	0.000	0.006	0.000	0.006				TO COMPLETE GRADING
38-SW							0.000	0.025	0.000	0.025				1 TREE, *12' OF 4" DRAIN, 7' OF 4" DRAIN
39	SAMUEL T. SPRINGER	17, 18	O.R. 1837	716	66-01871.000	0.2738	0.000							NO ADDITIONAL R/W REQUIRED
	ELIZABETH A. SPRINGER													
40-T	LAURYNN WORLEY	17, 18	O.R. 1815	891	66-07930.000	0.2565	0.000	0.002	0.000	0.002				TO COMPLETE GRADING
	CRAIG PARKS													
40-SW							0.000	0.026	0.000	0.026				
41	PAMELA SCHWIEBERT, TRUSTEE OR HER SUCCESSOR(S)	17-20	O.R. 1262	125	66-09057.000	0.576	0.048							NO ADDITIONAL R/W REQUIRED
	OF "THE MORROW KEYSTONE INHERITANCE TRUST"													
	DATED NOVEMBER 1, 2010													
42-T	LANCE M. WRIGHT	17, 18	D.B. 440	101	66-05788.000	0.3058	0.000	0.006	0.000	0.006				TO COMPLETE GRADING
42-SW							0.000	0.032	0.000	0.032				1 TREE

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SW = DRAINAGE EASEMENT
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** DENOTES RIGHT OF WAY ENCROACHMENT*

(c) = CALCULATED AREA

REV. BY	DATE	DESCRIPTION

FIELD REVIEW BY: BRANDON KING DATE: 7/5/2023
OWNERSHIP VERIFIED BY: BRANDON KING DATE: 7/13/2023
PLAN COMPLETION DATE: 7/14/2023

SUMMARY OF ADDITIONAL RIGHT OF WAY
PARCELS 28-42

DESIGN AGENCY
EMH&T

DESIGNER BLM
REVIEWER JMM
PROJECT ID 115280
SUBSET RW.8 TOTAL RW.28
SHEET TOTAL

KNO-CR5-0.47

MODEL: RS003 - Sheet PAPERSIZE: 17x11 (in.) DATE: 9/18/2023 TIME: 2:18:04 PM USER: bmccutchen
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NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE
NET TAKE = GROSS TAKE - PRO IN TAKE
ALL AREAS IN ACRES

GRANTEE:

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF THE CITY OF MOUNT VERNON UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S		TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		REMARKS
			BOOK	PAGE	PARCEL NUMBER	RECORD AREA						LEFT	RIGHT	
43-SW1	THE FAITH LUTHERAN CHURCH OF	17-22	D.B. 210	568	66-50346.000	6.82	0.401	0.005	0.000	0.005				*STONE SIGN AND COLUMNS, *1 TREE, *1 ENTRANCE ONLY SIGN
43-SW2	MOUNT VERNON, OHIO							0.005	0.000	0.005				*1 EXIT ONLY SIGN, *1 STUMP, *27' STONE EDGING
	TOTAL							0.010	0.000	0.010				
43-T1								0.064	0.000	0.064	S			TO COMPLETE GRADING, 1 DISABLED PARKING SIGN, 1 TREE, 1 STUMP, 1 PRESCHOOL SIGN
43-T2								0.016	0.000	0.016				TO COMPLETE GRADING, 1 STUMP
	TOTAL							0.080	0.000	0.080				
44	CRETA A. BERGER	19, 20	O.R. 1488	52	66-09610.002	0.316	0.000							NO ADDITIONAL R/W REQUIRED
			O.R. 1947	758										
45	STEVEN E. BOYLES	19, 20	O.R. 844	12	66-00961.000	0.386	0.000							NO ADDITIONAL R/W REQUIRED
	KARI J. BOYLES													
46	RICHARD J. THOMPSON	19, 20	D.B. 467	197	66-09610.001	0.185	0.000							NO ADDITIONAL R/W REQUIRED
	KATHLEEN M. THOMPSON													
47	GREEN DOOR ADVENTURES, LLC	19, 20	O.R. 1935	601	66-06853.000	0.2796	0.053							NO ADDITIONAL R/W REQUIRED
48	SCOTT DAVID WOLFE	21, 22	O.R. 1972	732	66-06752.000	0.9659	0.104							NO ADDITIONAL R/W REQUIRED
	MINDI M. STROUSE													
49	EMILY J. CASTO, TRUSTEE OR HER SUCCESSOR(S) AS	21, 22	O.R. 1142	14	54-00794.000	7.644	0.194							NO ADDITIONAL R/W REQUIRED,
	TRUSTEES OF "THE BLAIR KEYSTONE INHERITANCE													*14 STUMPS, 7 STUMPS, 200' AND 8' WOVEN WIRE FENCE
	TRUST" DATED AUGUST 13, 2008													
50	MOUNT VERNON, OHIO, CONGREGATION	21, 22	O.R. 1202	128	66-03870.000	3.352	0.106							NO ADDITIONAL R/W REQUIRED, *2 POSTS
	OF JEHOVAH'S WITNESSES													
51	GREG PRICE	21, 22	D.B. 506	644	66-03357.000	1.7	0.107							NO ADDITIONAL R/W REQUIRED
	PAGE R. PRICE													
52-T	DAVID L. BLAIR AND JANIE L. BLAIR, TRUSTEES OF THE	21-24	O.R. 1004	696	54-00793.000	0.539	0.069	0.039	0.000	0.039				TO COMPLETE GRADING
	BLAIR FAMILY TRUST, DATED AUGUST 13, 2008				54-00831.000	0.261	0.035	0.022	0.000	0.022				*3 TREES, 11 TREES
	TOTAL					0.800	0.104	0.061	0.000	0.061				
53	NICK WILLIAMS	21-24	O.R. 1645	635	66-06624.000	5.881	0.272							NO ADDITIONAL R/W REQUIRED
			O.R. 1645	638										1 TREE
54-T	CAROLYN ISAMAN	23, 24	O.R. 1813	205	54-00534.000	0.514	0.092	0.057	0.000	0.057				TO COMPLETE GRADING
	MARK KING													6 TREES, 1 BUSH
54-SH								0.009	0.000	0.009			0.413	
55	MAX L. FRANZ	23, 24	O.R. 1166	723	54-00862.000	1.526	0.066							NO ADDITIONAL R/W REQUIRED, 3 TREES
56-T	CHARLES B. EIS	23, 24	O.R. 1642	295	54-00803.000	0.947	0.000	0.036	0.000	0.036				TO COMPLETE GRADING, *2 TREES, 1 TREE
57-T	RIVERSIDE RECOVERY SERVICE, LLC	23-26	O.R. 1714	551	66-00443.000	0.3473	0.069	0.010	0.000	0.010				TO COMPLETE GRADING, *2 BOULDERS, 1 BOULDER,
			O.R. 1714	549	66-02648.000	0.7805	0.215	0.024	0.000	0.024				*LANDSCAPING, *1 TREE
	TOTAL					1.1278	0.284	0.034	0.000	0.034				
58	NOT USED													
59	JESSICA SHAW	25, 26	O.R. 1858	157	66-09852.000	1.164	0.235							NO ADDITIONAL R/W REQUIRED
	JACOB SHAW													

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** DENOTES RIGHT OF WAY ENCROACHMENT*

(c) = CALCULATED AREA

REV. BY	DATE	DESCRIPTION

FIELD REVIEW BY: BRANDON KING DATE: 7/5/2023
OWNERSHIP VERIFIED BY: BRANDON KING DATE: 7/13/2023
PLAN COMPLETION DATE: 7/14/2023

SUMMARY OF ADDITIONAL RIGHT OF WAY
PARCELS 43-59

DESIGN AGENCY: EMH&T

DESIGNER: BLM
REVIEWER: JMM
PROJECT ID: 115280
SUBSET: RW.9 TOTAL: RW.28
SHEET: TOTAL:

KNO-CR5-0.47

MODEL: RS004 - Sheet PAPERSIZE: 17x11 (in.) DATE: 9/18/2023 TIME: 2:18:04 PM USER: bmccutchen
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NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE
NET TAKE = GROSS TAKE - PRO IN TAKE
ALL AREAS IN ACRES

GRANTEE:

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF THE CITY OF MOUNT VERNON UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S		TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		REMARKS
			BOOK	PAGE	PARCEL NUMBER	RECORD AREA						LEFT	RIGHT	
60	JUSTIN LYN SMITH	25, 26	O.R. 1029	964	66-09852.001	0.805	0.092							NO ADDITIONAL R/W REQUIRED
	CASSIE LEE SHEETS VILFER		O.R. 1700	824										*SIGN, *LANDSCAPING, 8 POSTS
61-SH	NICHOLAS E. ZARLEY	25, 26	O.R. 1792	619	66-05037.000	0.1653	0.000	0.014	0.000	0.014		0.1513		
					66-05038.000	0.1653	0.000	0.014	0.000	0.014		0.1513		1 STUMP
	TOTAL					0.3306	0.000	0.028	0.000	0.028		0.3026		
62	KERRY B. KING	25, 26	O.R. 1796	459	66-09853.039	0.332	0.000							NO ADDITIONAL R/W REQUIRED
	SANDRA K. KING													*BOULDER
63-SH	RHONDA L. STATLER	25, 26	D.B. 391	278	66-05820.000	0.1653	0.000	0.014	0.000	0.014		0.1513		
			O.R. 1578	167	66-05821.000	0.1653	0.000	0.014	0.000	0.014		0.1513		
	TOTAL					0.3306	0.000	0.028	0.000	0.028		0.3026		
64	COREY SHELLER	25-28	O.R. 1925	71	66-09853.002	0.366	0.000							NO ADDITIONAL R/W REQUIRED
	MARLEY LANG													*LANDSCAPING
65-SH	MICHAEL J. SHIRE	25-28	D.B. 507	822	66-03956.000	0.1653	0.000	0.014	0.000	0.014		0.1513		
					66-03957.000	0.1653	0.000	0.014	0.000	0.014		0.1513		
	TOTAL					0.3306	0.000	0.028	0.000	0.028		0.3026		
66	ROBIN A. SMITH	27, 28	O.R. 1688	387	54-00913.000	4.541	0.095							NO ADDITIONAL R/W REQUIRED
67-SH	RENDA L. WILSON	27, 28	O.R. 1646	952	66-06668.000	0.1653	0.000	0.014	0.000	0.014		0.1513		*1 TREE, 3 TREES
					66-06669.000	0.1653	0.000	0.014	0.000	0.014		0.1513		
	TOTAL					0.3306	0.000	0.028	0.000	0.028		0.3026		
68	TRUSTEES OF THE GRACE BRETHREN	27, 28	D.B. 414	286	54-50031.000	1.0170	0.144							NO ADDITIONAL R/W REQUIRED
	CHURCH													*1 SIGN, *LANDSCAPING
69-T	SCOTT M. WHITE	27, 28	O.R. 864	71	66-03580.000	0.1653	0.000	0.001	0.000	0.001				TO COMPLETE GRADING
	NICOLE L. BUMPUS				66-03581.000	0.1102	0.000	0.000	0.000	0.000				
	TOTAL					0.2755	0.000	0.001	0.000	0.001				
70	JERRY SCOTT	27, 28	O.R. 1684	52	66-03971.000	0.4105	0.000							NO ADDITIONAL R/W REQUIRED
71	GRACE BRETHREN CHURCH	27, 28	D.B. 427	871	54-50039.000	5.005	0.151							NO ADDITIONAL R/W REQUIRED
72	ASHCRAFT PROPERTIES, LLC	27, 28	O.R. 781	710	54-00556.000	0.44	0.076							NO ADDITIONAL R/W REQUIRED

SUMMARY OF ADDITIONAL RIGHT OF WAY (5 OF 5)
PARCELS 60-72

TYPES OF TITLE LEGEND:

SH = STANDARD HIGHWAY EASEMENT
SW = DRAINAGE EASEMENT
T = TEMPORARY EASEMENT

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** DENOTES RIGHT OF WAY ENCROACHMENT*

(c) = CALCULATED AREA

REV. BY	DATE	DESCRIPTION

FIELD REVIEW BY: BRANDON KING DATE: 7/5/2023
OWNERSHIP VERIFIED BY: BRANDON KING DATE: 7/13/2023
PLAN COMPLETION DATE: 7/14/2023

DESIGN AGENCY
EMH&T

DESIGNER: BLM
REVIEWER: JMM
PROJECT ID: 115280
SUBSET: RW.10 TOTAL: RW.28
SHEET TOTAL

KNO-CR5-0.47

MODEL: RS005 - Sheet PAPERSIZE: 17x11 (in.) DATE: 9/18/2023 TIME: 2:18:04 PM USER: bmccutchen
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KNOX COUNTY
CITY OF MOUNT VERNON
Q.T. 1, T. 6 N., R. 13 W.
UNITED STATES MILITARY DISTRICT

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY TOPO SHEET
STA 100+00.00 TO STA 105+00.00

LOT 1
JACOB SHAFER'S ADDITION
P.C. A, P. 78

COMMERCIAL (2)
STEVEN E. MINOR
O.R. 1942, P. 288
66-00947.000
0.1435 AC. (AUDITOR)
69 MANSFIELD AVE.
MOUNT VERNON, OH 43050

1 STY MASONRY

RESIDENTIAL (4)
LYBARGER RENTALS, LLC
0.325 AC. (DEED)
O.R. 1857, P. 333
66-02716.000
0.3248 AC. (AUDITOR)
101 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (5)
MARY A. GREEN
0.250 AC. (DEED)
D.B. 488, P. 819
66-05600.000
0.2507 AC. (AUDITOR)
103 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (7)
CARRIE L. SINGREY
0.284 AC. (DEED)
O.R. 1325, P. 150
66-02573.000
0.2844 AC. (AUDITOR)
105 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (8)
ROGER L. STRICKER
CHERYL L. STRICKER
0.275 AC. (DEED)
D.B. 448, P. 904
66-07713.000
0.2748 AC. (AUDITOR)
107 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (9)
JOSHUA A. SMITH
JUDITH J. KELL, CO-TRUSTEES, OR THEIR SUCCESSOR(S) AS TRUSTEE(S) OF "THE DORIS I. SMITH KEYSTONE INHERITANCE TRUST, DATED FEBRUARY 6, 2012"
0.294 AC. (DEED)
O.R. 1838, P. 944
66-02882.000
0.2944 AC. (AUDITOR)
109 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (11)
JERRY L. MORGAN
EMILY J. MORGAN
0.325 AC. (DEED)
O.R. 1137, P. 482
66-05741.000
0.3252 AC. (AUDITOR)
111 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (12)
MARK A. MORRISON
SHARON A. MORRISON
0.444 AC. (DEED)
D.B. 435, P. 842
66-04217.000
0.314 AC. (AUDITOR)
115 MANSFIELD AVE.
MOUNT VERNON, OH 43050

BELMONT AVE (40')
MANSFIELD AVE (60')
TAYLOR ST (60')

N11°58'51"W, 2,206.24'

BEGIN R/W ACQUISITION
MANSFIELD AVE
STA. 1+83.41

RESIDENTIAL (1)
MATTHEW A. QUEENER
0.309 AC. (DEED)
O.R. 1883, P. 543
66-00187.000
0.3091 AC. (AUDITOR)
66 MANSFIELD AVE.
MOUNT VERNON, OH 43050

LOT 1
HOMESIDE ALLOTMENT
P.C. A, P. 120
66-07849.000
0.3099 AC. (AUDITOR)
68 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (3)
MARK D. PFOUTS
⅛ AC. (DEED)
O.R. 1473, P. 619
66-04814.000
0.2479 AC. (AUDITOR)
MANSFIELD AVE.
MOUNT VERNON, OH 43050

LOT 3
66-04996.000
0.2479 AC. (AUDITOR)
106 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (6)
JOSEPH AARON GILL
KRYSTAL MICHELLE HINCHCLIFF
O.R. 1933, P. 389
66-04997.000
0.2479 AC. (AUDITOR)
106 MANSFIELD AVE.
MOUNT VERNON, OH 43050

EXEMPT (10)
THE MOUNT VERNON CITY SCHOOL DISTRICT BOARD OF EDUCATION,
MOUNT VERNON, OHIO
D.B. 204, P. 625
66-50223.000
0.992 AC. (AUDITOR)
108 MANSFIELD AVE.
MOUNT VERNON, OH 43050

LOT 2 | LOT 4 | LOT 5 | LOT 6 | LOT 7

NOTE:
SEE BOUNDARY SHEETS FOR MONUMENT AND ℄ INTERSECTION STATIONS AND OFFSETS.

NOTE:
MATCH LINE STATIONING IS BASED ON THE ℄ PR SHARED USE PATH.

** DENOTES R/W ENCROACHMENT*

BLM	4/5/24	REVISED DRIVE STATIONS FOR PARCELS 6 & 10
REV. BY	DATE	DESCRIPTION
DATE COMPLETED: 7/14/2023		

DESIGN AGENCY: EMH&T
DESIGNER: BLM
REVIEWER: JMM
PROJECT ID: 115280
SUBSET: RW.11 | TOTAL: RW.28
SHEET | TOTAL

KNO-CR5-0.47

MODEL: RT001 - Sheet PAPERSIZE: 17x11 (in.) DATE: 4/5/2024 TIME: 1:49:35 PM USER: bmccutchen
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KNOX COUNTY
CITY OF MOUNT VERNON
Q.T. 1, T. 6 N., R. 13 W.
UNITED STATES MILITARY DISTRICT

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY BOUNDARY SHEET
STA 100+00.00 TO STA 105+00.00

LOT 1
JACOB SHAFER'S ADDITION
P.C. A, P. 78

COMMERCIAL
(2)
STEVEN E. MINOR
O.R. 1942, P. 288
66-00947.000
0.1435 AC. (AUDITOR)
69 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL
(4)
LYBARGER RENTALS, LLC
0.325 AC. (DEED)
O.R. 1857, P. 333
66-02716.000
0.3248 AC. (AUDITOR)
101 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL
(5)
MARY A. GREEN
0.250 AC. (DEED)
D.B. 488, P. 819
66-05600.000
0.2507 AC. (AUDITOR)
103 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL
(7)
CARRIE L. SINGREY
0.284 AC. (DEED)
O.R. 1325, P. 150
66-02573.000
0.2844 AC. (AUDITOR)
105 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL
(8)
ROGER L. STRICKER
CHERYL L. STRICKER
0.275 AC. (DEED)
D.B. 448, P. 904
66-07713.000
0.2748 AC. (AUDITOR)
107 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL
(9)
JOSHUA A. SMITH
JUDITH J. KELL, CO-TRUSTEES,
OR THEIR SUCCESSOR(S) AS
TRUSTEE(S) OF "THE DORIS I. SMITH
KEYSTONE INHERITANCE TRUST,
DATED FEBRUARY 6, 2012"
0.294 AC. (DEED)
O.R. 1838, P. 944
66-02882.000
0.2944 AC. (AUDITOR)
109 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL
(11)
JERRY L. MORGAN
EMILY J. MORGAN
0.325 AC. (DEED)
O.R. 1137, P. 482
66-05741.000
0.3252 AC. (AUDITOR)
111 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL
(12)
MARK A. MORRISON
SHARON A. MORRISON
0.444 AC. (DEED)
D.B. 435, P. 842
66-04217.000
0.314 AC. (AUDITOR)
115 MANSFIELD AVE.
MOUNT VERNON, OH 43050

BELMONT AVE (40')

MANSFIELD AVE (60')

TAYLOR ST (60')

Ex R/W

3/4" IRON PIPE
STA 1+33.13, 30.14' LT

STA 2+00.87 ℄ EX R/W MANSFIELD AVE =
STA 0+00.00 ℄ EX R/W BELMONT AVE

1/2" IRON PIPE
STA 2+85.95, 30.10' LT

5/8" IRON REBAR
"TRACY AND MILLS"
STA 3+52.95, 29.94' LT

5/8" IRON REBAR
ILLEGIBLE CAP
STA 4+28.92, 29.83' LT

3/4" IRON PIPE
STA 4+98.95, 29.86' LT

1-1/4" IRON PIPE
STA 5+73.82, 29.85' LT

1/2" IRON PIPE
STA 6+56.54, 30.34' LT

N11°58'51"W, 2,206.24'

STA 4+88.77 ℄ EX R/W MANSFIELD AVE =
STA 0+00.00 ℄ EX R/W TAYLOR ST

℄ EX R/W OF MANSFIELD AVE

CONST LIMITS

MATCH LINE STA. 105+00.00

N 11°58'51" W, 20.46'
5/8" IRON REBAR
STA 1+11.46, 29.86' RT

1/2" IRON PIPE
STA 1+26.79, 30.01' RT

CONC MON
STA 1+13.10, 31.23' RT

CONC MON
STA 2+03.82, 30.39' RT

℄ PR SHARED USE PATH

3/4" IRON PIPE
STA. 3+38.56, 30.12' RT

3/4" IRON PIPE
STA. 4+58.81, 30.07' RT

66-07849.000
0.3099 AC. (AUDITOR)
68 MANSFIELD AVE.
MOUNT VERNON, OH 43050

LOT 1
HOMESIDE
ALLOTMENT
P.C. A, P. 120

LOT 2

LOT 3

LOT 4

LOT 5

LOT 6

LOT 7

RESIDENTIAL
(1)
MATTHEW A. QUEENER
0.309 AC. (DEED)
O.R. 1883, P. 543
66-00187.000
0.3091 AC. (AUDITOR)
66 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL
(3)
MARK D. PFOUTS
⅛ AC. (DEED)
O.R. 1473, P. 619
66-04814.000
0.2479 AC. (AUDITOR)
MANSFIELD AVE.
MOUNT VERNON, OH 43050

66-04996.000
0.2479 AC. (AUDITOR)
106 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL
(6)
JOSEPH AARON GILL
KRYSTAL MICHELLE HINCHCLIFF
O.R. 1933, P. 389
66-04997.000
0.2479 AC. (AUDITOR)
106 MANSFIELD AVE.
MOUNT VERNON, OH 43050

EXEMPT
(10)
THE MOUNT VERNON CITY SCHOOL
DISTRICT BOARD OF EDUCATION,
MOUNT VERNON, OHIO
D.B. 204, P. 625
66-50223.000
0.992 AC. (AUDITOR)
108 MANSFIELD AVE.
MOUNT VERNON, OH 43050

NOTE:
MATCH LINE STATIONING IS BASED ON THE ℄ PR SHARED USE PATH.

REV. BY	DATE	DESCRIPTION

DATE COMPLETED: 7/14/2023

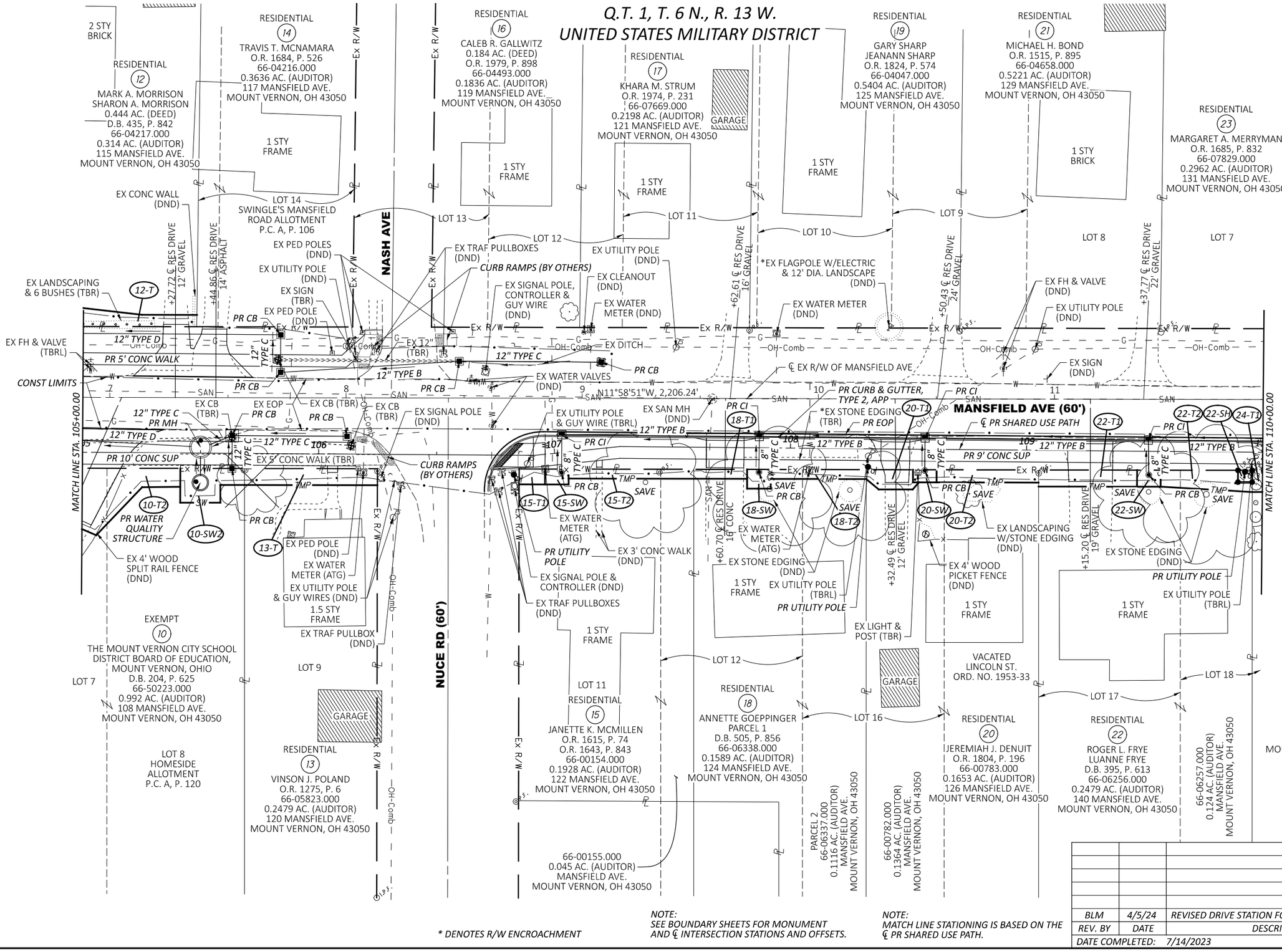
DESIGN AGENCY
EMH&T

DESIGNER BLM
REVIEWER JMM
PROJECT ID 115280
SUBSET RW.12 TOTAL RW.28
SHEET TOTAL

KNO-CR5-0.47

MODEL: RB001 - Sheet PAPERSIZE: 17x11 (in.) DATE: 9/18/2023 TIME: 2:18:19 PM USER: bmccutchen
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KNOX COUNTY
CITY OF MOUNT VERNON
Q.T. 1, T. 6 N., R. 13 W.
UNITED STATES MILITARY DISTRICT



* DENOTES R/W ENCROACHMENT

NOTE:
SEE BOUNDARY SHEETS FOR MONUMENT AND ℄ INTERSECTION STATIONS AND OFFSETS.

NOTE:
MATCH LINE STATIONING IS BASED ON THE ℄ PR SHARED USE PATH.

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY TOPO SHEET
STA 105+00.00 TO STA 110+00.00

BLM	4/5/24	REVISED DRIVE STATION FOR PARCEL 12
REV. BY	DATE	DESCRIPTION
DATE COMPLETED:	7/14/2023	

DESIGN AGENCY: EMH&T
DESIGNER: BLM
REVIEWER: JMM
PROJECT ID: 115280
SUBSET: RW.13 TOTAL: RW.28
SHEET TOTAL

KNO-CR5-0.47

MODEL: RT002 - Sheet PAPERSIZE: 17x11 (in.) DATE: 4/5/2024 TIME: 1:49:47 PM USER: bmccutchen
J:\2022018?\ODOT\115280\400-Engineering\RW\Sheets\115280_RT001.dgn

KNOX COUNTY
CITY OF MOUNT VERNON
Q.T. 1, T. 6 N., R. 13 W.
UNITED STATES MILITARY DISTRICT

S1 = 3/4" BENT IRON PIPE STA 9+32.74, 31.23' RT

RESIDENTIAL (12) — MARK A. MORRISON, SHARON A. MORRISON, 0.444 AC. (DEED), D.B. 435, P. 842, 66-04217.000, 0.314 AC. (AUDITOR), 115 MANSFIELD AVE., MOUNT VERNON, OH 43050

RESIDENTIAL (14) — TRAVIS T. MCNAMARA, O.R. 1684, P. 526, 66-04216.000, 0.3636 AC. (AUDITOR), 117 MANSFIELD AVE., MOUNT VERNON, OH 43050

RESIDENTIAL (16) — CALEB R. GALLWITZ, 0.184 AC. (DEED), O.R. 1979, P. 898, 66-04493.000, 0.1836 AC. (AUDITOR), 119 MANSFIELD AVE., MOUNT VERNON, OH 43050

RESIDENTIAL (17) — KHARA M. STRUM, O.R. 1974, P. 231, 66-07669.000, 0.2198 AC. (AUDITOR), 121 MANSFIELD AVE., MOUNT VERNON, OH 43050

RESIDENTIAL (19) — GARY SHARP, JEANANN SHARP, O.R. 1824, P. 574, 66-04047.000, 0.5404 AC. (AUDITOR), 125 MANSFIELD AVE., MOUNT VERNON, OH 43050

RESIDENTIAL (21) — MICHAEL H. BOND, O.R. 1515, P. 895, 66-04658.000, 0.5221 AC. (AUDITOR), 129 MANSFIELD AVE., MOUNT VERNON, OH 43050

RESIDENTIAL (23) — MARGARET A. MERRYMAN, O.R. 1685, P. 832, 66-07829.000, 0.2962 AC. (AUDITOR), 131 MANSFIELD AVE., MOUNT VERNON, OH 43050

LOT 14 SWINGLE'S MANSFIELD ROAD ALLOTMENT P.C. A, P. 106

LOT 13 · LOT 12 · LOT 11 · LOT 10 · LOT 9 · LOT 8 · LOT 7

NASH AVE

MANSFIELD AVE (60')

NUCE RD (60')

Ex R/W

℄ EX R/W OF MANSFIELD AVE

℄ PR SHARED USE PATH

CONST LIMITS

N11°58'51"W, 2,206.24'

N 11°58'51" W, 23.30'
+13.49 35.00' LT.
N 05°31'52" W, 33.08'
12-T
+36.79 35.00' LT.
S 11°58'51" E, 80.00'
+36.74 30.00' LT.
N 78°38'30" E, 5.00'

3/4" IRON PIPE STA 9+70.85, 28.92' LT

5/8" IRON REBAR "TRACY AND MILLS" STA 10+59.85, 28.68' LT

3/4" SOLID IRON PIPE STA 11+45.10, 28.36' LT

24-T1
3/4" IRON PIPE STA 11+83.78, 31.40' RT
N 11°58'51" W, 24.58'

STA 8+19.11 ℄ EX R/W MANSFIELD AVE = STA 0+00.00 ℄ EX R/W NASH AVE

STA 8+43.34 ℄ EX R/W MANSFIELD AVE = STA 0+00.00 ℄ EX R/W NUCE RD

MATCH LINE STA. 105+00.00

MATCH LINE STA. 110+00.00

N 78°01'09" E, 7.79'
10-T2
N 11°58'51" W, 76.06'
N 78°01'09" E, 7.79'
10-SW2
+29.87 30.00' RT.
+57.08 30.00' RT.
13-T
N 11°58'51" W, 56.27'
+13.34 30.00' RT.
+73.34 30.00' RT.
15-T1
+84.34 30.00' RT.
N 11°58'51" W, 11.00'
N 11°58'51" W, 10.00'
+94.34 30.00' RT.
15-T2
+47.34 30.00' RT.
+69.92 30.00' RT.
18-T2
+20.34 30.00' RT.
+40.15 30.00' RT.
20-T2
+50.15 30.00' RT.
+79.92 30.00' RT.
22-SW
+93.34 30.00' RT.
22-SH
+35.04 30.00' RT.
+45.04 30.00' RT.
22-T2
+77.77 30.00' RT.
+83.77 30.00' RT.
22-T1
S 78°01'09" W, 4.00'
N 11°58'51" W, 53.00'
S 11°58'51" W, 53.01'
S1
N 77°55'33" E, 4.00'
+94.34 34.00' RT.
N 78°01'09" E, 6.52'
+94.34 36.52' RT.
S 11°58'51" E, 10.00'
+47.35 34.00' RT.
S 11°58'51" E, 22.57'
+69.92 34.00' RT.
S 78°01'09" W, 8.15'
S 11°58'51" E, 40.43'
+20.35 34.00' RT.
S 27°39'21" W, 6.86'
+79.92 34.00' RT.
N 78°01'09" E, 8.15'
+25.63 38.38' RT.
S 11°58'51" E, 14.41'
+40.04 38.38' RT.
S 11°58'51" E, 43.19'
+50.15 35.34' RT.
S 11°58'51" E, 10.00'
+42.66 35.34' RT.
S 61°07'42" E, 4.01'
+40.15 35.34' RT.
+93.35 35.34' RT.
+93.35 37.02' RT.
N 11°58'51" W, 41.70'
S 11°58'51" E, 41.69'
S 77°55'33" W, 7.02'
+35.04 37.02' RT.
S 11°58'51" E, 10.00'
+45.04 37.02' RT.
S 08°46'34" E, 38.81'
+77.77 35.00' RT.
+83.78 35.00' RT.
+83.79 39.19' RT.
S 12°47'44" E, 24.57'
S 77°55'33" W, 9.19'

S 11°22'18" W, 33.79'
+94.33 58.38' RT.
S 58°26'08" E, 28.12'
+13.70 38.00' RT.
S 12°43'44" E, 16.17'
+29.87 37.79' RT.
S 78°01'09" W, 14.51'

+29.87 44.51' RT.
+46.87 37.00' RT.
N 78°01'09" E, 7.51'
+46.87 44.51' RT.
S 11°58'51" E, 17.00'

S 11°58'51" E, 56.26'
S 77°55'33" W, 7.00'
+57.09 37.00' RT.
S 11°58'51" E, 10.22'
+46.87 37.00' RT.

N 78°00'33" E, 7.00'
+13.34 37.00' RT.
S 78°00'33" W, 6.52'
+73.34 36.52' RT.
S 11°58'51" E, 11.00'
S 78°01'09" W, 6.52'
+84.34 36.52' RT.

+69.92 38.15' RT.
S 11°58'51" E, 10.00'
+79.92 38.15' RT.

+40.15 30.00' RT.
+50.15 30.00' RT.

+93.34 30.00' RT.
+77.77 30.00' RT.
+83.77 30.00' RT.

CONC MON STA 7+57.08, 30.47' RT

3/4" IRON PIPE STA 8+13.34, 31.00' RT

3/4" IRON PIPE STA 8+72.27, 170.85' RT

3/4" SOLID IRON PIPE STA 8+13.37, 211.68' RT

3/4" IRON PIPE STA 10+93.43, 31.38' RT

EXEMPT (10) — THE MOUNT VERNON CITY SCHOOL DISTRICT BOARD OF EDUCATION, MOUNT VERNON, OHIO, D.B. 204, P. 625, 66-50223.000, 0.992 AC. (AUDITOR), 108 MANSFIELD AVE., MOUNT VERNON, OH 43050

LOT 7

LOT 8 HOMESIDE ALLOTMENT P.C. A, P. 120

LOT 9

RESIDENTIAL (13) — VINSON J. POLAND, O.R. 1275, P. 6, 66-05823.000, 0.2479 AC. (AUDITOR), 120 MANSFIELD AVE., MOUNT VERNON, OH 43050

LOT 11

RESIDENTIAL (15) — JANETTE K. MCMILLEN, O.R. 1615, P. 74, O.R. 1643, P. 843, 66-00154.000, 0.1928 AC. (AUDITOR), 122 MANSFIELD AVE., MOUNT VERNON, OH 43050

66-00155.000, 0.045 AC. (AUDITOR), MANSFIELD AVE., MOUNT VERNON, OH 43050

LOT 12

RESIDENTIAL (18) — ANNETTE GOEPPINGER, PARCEL 1, D.B. 505, P. 856, 66-06338.000, 0.1589 AC. (AUDITOR), 124 MANSFIELD AVE., MOUNT VERNON, OH 43050

PARCEL 2, 66-06337.000, 0.1116 AC. (AUDITOR), MANSFIELD AVE., MOUNT VERNON, OH 43050

LOT 16

66-00782.000, 0.1364 AC. (AUDITOR), MANSFIELD AVE., MOUNT VERNON, OH 43050

VACATED LINCOLN ST. ORD. NO. 1953-33

RESIDENTIAL (20) — JEREMIAH J. DENUIT, O.R. 1804, P. 196, 66-00783.000, 0.1653 AC. (AUDITOR), 126 MANSFIELD AVE., MOUNT VERNON, OH 43050

LOT 17

RESIDENTIAL (22) — ROGER L. FRYE, LUANNE FRYE, D.B. 395, P. 613, 66-06256.000, 0.2479 AC. (AUDITOR), 140 MANSFIELD AVE., MOUNT VERNON, OH 43050

LOT 18

66-06257.000, 0.124 AC. (AUDITOR), MANSFIELD AVE., MOUNT VERNON, OH 43050

RESIDENTIAL (24) — 66-04035.000, 0.124 AC. (AUDITOR), MANSFIELD AVE., MOUNT VERNON, OH 43050

A	N 11°58'51" W, 22.57'
B	N 78°01'09" E, 4.00'
C	N 11°58'51" W, 10.00'
D	N 11°58'51" W, 40.42'
E	N 77°55'33" E, 4.00'
F	S 78°01'09" W, 4.00'
G	N 11°58'51" W, 19.81'
H	S 78°01'09" W, 5.34'
I	N 11°58'51" W, 2.51'
J	N 11°58'51" W, 10.00'
K	N 78°01'09" E, 5.34'
L	N 11°58'51" W, 43.18'
M	N 77°55'33" E, 5.34'
N	S 78°01'09" W, 7.02'
O	N 11°58'51" W, 10.00'
P	N 78°01'09" E, 7.02'
Q	N 11°58'51" W, 32.74'
R	S 78°01'09" W, 5.00'
S	S 11°58'51" E, 6.01'
T	N 77°55'33" E, 4.19'
U	N 11°58'51" W, 6.00'
V	N 77°55'33" E, 5.00'

NOTE:
MATCH LINE STATIONING IS BASED ON THE ℄ PR SHARED USE PATH.

REV. BY	DATE	DESCRIPTION

DATE COMPLETED: 7/14/2023

HORIZONTAL SCALE IN FEET: 0 10 20 40

RIGHT OF WAY BOUNDARY SHEET
STA 105+00.00 TO STA 110+00.00

DESIGN AGENCY: EMH&T

DESIGNER: BLM

REVIEWER: JMM

PROJECT ID: 115280

SUBSET: RW.14 TOTAL: RW.28

SHEET TOTAL

KNO-CR5-0.47

MODEL: RB002 - Sheet PAPERSIZE: 17x11 (in.) DATE: 9/18/2023 TIME: 2:18:28 PM USER: bmccutchen
J:\2022018?\ODOT\115280\400-Engineering\RW\Sheets\115280_RB001.dgn

KNOX COUNTY
CITY OF MOUNT VERNON
Q.T. 1, T. 6 N., R. 13 W.
UNITED STATES MILITARY DISTRICT

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY TOPO SHEET
STA 110+00.00 TO STA 115+00.00

RESIDENTIAL (23)
MARGARET A. MERRYMAN
O.R. 1685, P. 832
66-07829.000
0.2962 AC. (AUDITOR)
131 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (25)
SHIRLEY A. DRAKE
JAMES C. DRAKE
O.R. 1588, P. 587
66-04444.000
0.2962 AC. (AUDITOR)
143 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (27)
COURTNEY M. MORELAND
0.291 AC. (DEED)
O.R. 1842, P. 165
66-09602.000
0.2913 AC. (AUDITOR)
145 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (29)
SAMUEL T. SPRINGER
ELIZABETH A. SPRINGER
0.370 AC. (DEED)
O.R. 1938, P. 737
66-09626.000
0.3053 AC. (AUDITOR)
147 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (31)
DOUGLAS E. TALBOTT
CINDY L. TALBOTT
O.R. 987, P. 976
66-07722.000
0.2185 AC. (AUDITOR)
149 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (24)
ADRIANE SPEARMAN
SCOTT FORSTER
O.R. 1085, P. 359
66-04036.000
0.2479 AC. (AUDITOR)
142 MANSFIELD AVE.
MOUNT VERNON, OH 43050

66-04035.000
0.124 AC. (AUDITOR)
MANSFIELD AVE.
MOUNT VERNON, OH 43050

66-04565.000
0.2479 AC. (AUDITOR)
MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (26)
JONATHON BROWN
O.R. 1942, P. 583
66-07837.000
0.2479 AC. (AUDITOR)
144 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (28)
STEPHEN D. NEWTON
O.R. 1340, P. 248
66-07903.000
0.314 AC. (AUDITOR)
146 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (30)
MIKE PRYJDA
0.639 AC. (DEED)
O.R. 1665, P. 103
66-02883.000
0.6386 AC. (AUDITOR)
148 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (32)
LOUIE M. OQUIN
ANDREA S. OQUIN
14,370 SQ. FT. (DEED)
O.R. 1845, P. 90
66-00076.000
0.3306 AC. (AUDITOR)
150 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (33)
RICHARD H. FORD
BARBARA E. FORD
D.B. 481, P. 484
66-05140.000
0.3309 AC. (AUDITOR)
152 MANSFIELD AVE.
MOUNT VERNON, OH 43050

HOMESIDE ALLOTMENT
P.C. A, P. 120

LOT 7 SWINGLE'S MANSFIELD ROAD ALLOTMENT P.C. A, P. 106
LOT 6
LOT 5
LOT 4
LOT 3
LOT 2
LOT 1
LOT 18
LOT 19
LOT 13
LOT 14
LOT 15

MANSFIELD AVE (60')
SWINGLE AVE (27')
℄ EX R/W OF MANSFIELD AVE
℄ PR SHARED USE PATH
N11°58'51"W, 2,206.24'
MATCH LINE STA. 110+00.00
MATCH LINE STA. 115+00.00

+38.51 ℄ RES DRIVE 11' GRAVEL/CONC
+09.45 ℄ RES DRIVE 15' CONC
+02.79 ℄ RES DRIVE 16' ASPHALT
+15.50 ℄ RES DRIVE 13' GRAVEL
+97.47 ℄ RES DRIVE 20' GRAVEL
+25.16 ℄ RES DRIVE 16' ASPHALT
+10.68 ℄ RES DRIVE 17' ASPHALT
+06.48 ℄ RES DRIVE 20' GRAVEL
+20.48 ℄ RES DRIVE 20' CONC

EX UTILITY POLE (DND)
EX SIGN (DND)
EX CONC (DND)
EX CB (DND)
EX HW (DND)
EX ROOF DRAIN (DND)
EX DITCH
EX. 12" (DND)
EX SAN MH (DND)
EX WATER METER (TBRL)
EX WATER METER (ATG)
EX BRICK EDGING (APPROX 21', TBR)
EX BRICK EDGING (APPROX 22', TBR)
EX 3' CONC WALK (DND)
EX LANDSCAPE GRASSES (TBR)
EX UTILITY POLE (TBRL)
PR UTILITY POLE
EX BOULDER (TBR)
EX TREE & LANDSCAPING (DND)
EX LANDSCAPING (DND)
EX 4' PLASTIC PICKET FENCE (DND)
EX EOP
EX EOS
PR EOP
PR CURB & GUTTER, TYPE 2, APP
PR CI
PR CB
PR 9' CONC SUP
CONST LIMITS
GARAGE
1 STY BRICK
1 STY FRAME
2 STY FRAME

12" TYPE B
8" TYPE C
24-T1 24-T2 24-SW
26-T1 26-SH 26-T2 26-SW
28-T1 28-T2 28-SW
30-T 30-SW
32-T
33-T

* DENOTES R/W ENCROACHMENT

NOTE:
SEE BOUNDARY SHEETS FOR MONUMENT AND ℄ INTERSECTION STATIONS AND OFFSETS.

NOTE:
MATCH LINE STATIONING IS BASED ON THE ℄ PR SHARED USE PATH.

REV. BY	DATE	DESCRIPTION

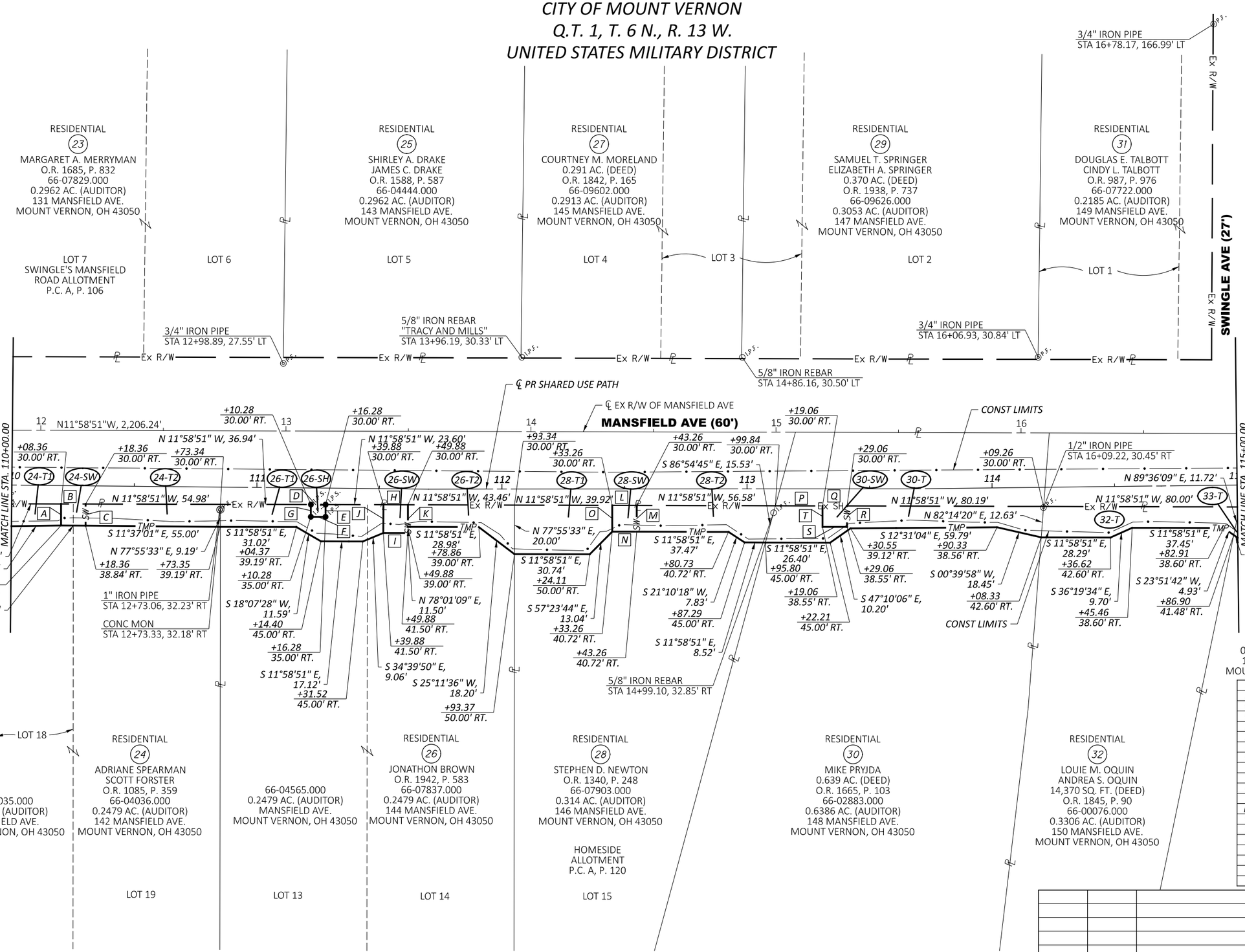
DATE COMPLETED: 7/14/2023

DESIGN AGENCY: EMH&T
DESIGNER: BLM
REVIEWER: JMM
PROJECT ID: 115280
SUBSET: RW.15 TOTAL: RW.28
SHEET TOTAL

KNO-CR5-0.47

MODEL: RT003 - Sheet PAPERSIZE: 17x11 (in.) DATE: 4/5/2024 TIME: 1:49:57 PM USER: bmcutchen
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KNOX COUNTY
CITY OF MOUNT VERNON
Q.T. 1, T. 6 N., R. 13 W.
UNITED STATES MILITARY DISTRICT



A	S 78°01'09" W, 8.84'
B	N 11°58'51" W, 10.00'
C	N 78°01'09" E, 8.84'
D	N 11°58'51" W, 6.00'
E	N 78°01'09" E, 5.00'
F	S 11°58'51" E, 6.00'
G	S 78°01'09" W, 5.00'
H	N 11°58'51" W, 10.00'
I	S 11°58'51" E, 10.00'
J	S 78°01'09" W, 11.50'
K	S 78°01'09" W, 9.00'
L	N 11°58'51" W, 10.00'
M	N 78°01'09" E, 10.72'
N	S 11°58'51" E, 10.00'
O	S 78°01'09" W, 10.72'
P	N 11°58'51" W, 19.22'
Q	N 11°58'51" W, 10.00'
R	N 78°01'09" E, 8.55'
S	S 11°58'51" E, 10.00'
T	S 78°01'09" W, 8.55'

NOTE:
MATCH LINE STATIONING IS BASED ON THE ℄ PR SHARED USE PATH.

REV. BY	DATE	DESCRIPTION
DATE COMPLETED:		7/14/2023

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY BOUNDARY SHEET
STA 110+00.00 TO STA 115+00.00

DESIGN AGENCY
EMH&T

DESIGNER	BLM
REVIEWER	JMM
PROJECT ID	115280
SUBSET	RW.16
TOTAL	RW.28
SHEET	
TOTAL	

KNO-CR5-0.47

MODEL: RB003 - Sheet PAPERSIZE: 17x11 (in.) DATE: 9/18/2023 TIME: 2:18:34 PM USER: bmccutchen
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KNOX COUNTY
CITY OF MOUNT VERNON
SEC. 22, Q.T. 4, T. 7 N., R. 13 W.
Q.T. 1, T. 6 N., R. 13 W.
UNITED STATES MILITARY DISTRICT

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY TOPO SHEET
STA 115+00.00 TO STA 120+00.00

RESIDENTIAL (34)
DAVID T. DEBOARD
SUSAN DEBOARD
0.26 AC. (DEED)
D.B. 427, P. 306
66-03103.000
0.2594 AC. (AUDITOR)
151 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (36)
SHERI L. NEIPLING
DEBRA S. LONZO
0.17 AC. (DEED)
O.R. 1834, P. 309
66-01971.000
0.1818 AC. (AUDITOR)
155 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (37)
TYLER JUSTIN BAUGHMAN
PATRICIA L. BAUGHMAN
0.425 AC. (DEED)
O.R. 1776, P. 740
66-09051.000
0.4223 AC. (AUDITOR)
157 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (39)
SAMUEL T. SPRINGER
ELIZABETH A. SPRINGER
0.287 AC. (DEED)
O.R. 1837, P. 716
66-01871.000
0.2738 AC. (AUDITOR)
159 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (41)
PAMELA SCHWIEBERT, TRUSTEE OR HER SUCCESSOR(S) OF "THE MORROW KEYSTONE INHERITANCE TRUST", DATED NOVEMBER 1, 2010
PARCEL THREE
0.576 AC. (DEED)
O.R. 1262, P. 125
66-09057.000
0.576 AC. (AUDITOR)
163 MANSFIELD AVE.
MOUNT VERNON, OH 43050

1 STY BRICK
1 STY FRAME
1 STY FRAME
1 STY FRAME
1 STY FRAME
1 STY FRAME

SWINGLE AVE (27')
EX R/W
℄
EX UTILITY POLE (DND)
EX SIGN (DND)
EX FLAGPOLE W/FH BASE (DND)
EX UTILITY POLE (DND)
EX WATER METER (DND)
EX FH (DND)
EX SAN MH (DND)
EX WATER VALVE (DND)
EX UTILITY POLE & GUY WIRE (DND)
+69.79 ℄ RES DRIVE 34' GRAVEL
+07.74 ℄ RES DRIVE 14' ASPHALT
EX WATER METER (DND)
EX SAN MH (DND)
EX CB (DND)
EX SAN MH (DND)
EX WATER VALVE (DND)
℄ EX R/W OF MANSFIELD AVE
EX 6" VIT
℄ PR SHARED USE PATH
MANSFIELD AVE (60')
N11°58'51"W, 2,206.24'
MATCH LINE STA. 115+00.00
MATCH LINE STA. 120+00.00
17 18 19 20 21
PR EOP
EX EOP
PR CURB & GUTTER, TYPE 2, APP
CONST LIMITS
8" TYPE C
12" TYPE B
*EX 4" DRAIN (APPROX 12' TBR)
PR CURB & GUTTER, TYPE 2, APP
EX 15" CMP
EX 15" RCP (TBR)
15" TYPE B
15" TYPE C
116 117 118 119
EX 8" (TBR)
PR 9' CONC SUP
EX 8" (TBR)
EX 10" (TBR)
EX 8" (TBR)
PR 10' CONC SUP
PR DITCH
EX DITCH
12" TYPE D
33-T
35-T
38-T
38-SW
40-T
40-SW
42-SW
42-T
43-SW1
EX EVERGREENS (DND)
*EX POST (TBR)
EX BRICK CHANNEL (TBR)
EX WATER METERS (DND)
EX UTILITY POLE & GUY WIRES (DND)
PR UTILITY POLE
PR CB
EX WATER VALVE (ATG)
EX SIGN (DND)
EX UTILITY POLE (TBRL)
EX LIGHT POST (DND)
EX 4" DRAIN (APPROX 7' TBR)
EX CB (TBR)
EX WATER METER (ATG)
EX WATER METER (ATG)
EX UTILITY POLE (TBRL)
PR UTILITY POLE
SAVE
106.97 ℄ RES DRIVE 21' ASPHALT
+78.15 ℄ RES DRIVE 8' ASPHALT
+52.68 ℄ RES DRIVE 20' ASPHALT
+18.27 ℄ RES DRIVE 8' CONC/GRAVEL
*SHED
GARAGE
NORTHGATE DR (60')
Ex R/W

LOT 18
RESIDENTIAL (33)
RICHARD H. FORD
BARBARA E. FORD
D.B. 481, P. 484
66-05140.000
0.3309 AC. (AUDITOR)
152 MANSFIELD AVE.
MOUNT VERNON, OH 43050

LOT 19
RESIDENTIAL (35)
VICTORIA THOMAS
O.R. 1883, P. 6
66-06605.000
0.3591 AC. (AUDITOR)
156 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (38)
ROBBIE LOU RICE
D.B. 456, P. 259
66-04342.000
0.2307 AC. (AUDITOR)
158 MANSFIELD AVE.
MOUNT VERNON, OH 43050

LOT 1
NORTHGATE SUBDIVISION
P.C. A, P. 123

RESIDENTIAL (40)
LAURYNN WORLEY
CRAIG PARKS
O.R. 1815, P. 891
66-07930.000
0.2565 AC. (AUDITOR)
160 MANSFIELD AVE.
MOUNT VERNON, OH 43050

LOT 2

RESIDENTIAL (42)
LANCE M. WRIGHT
D.B. 440, P. 101
66-05788.000
0.3058 AC. (AUDITOR)
162 MANSFIELD AVE.
MOUNT VERNON, OH 43050

LOT 3

¼ TWP. 1, T-6, R-13
SEC. 22, ¼ TWP. 4, T-7, R-13

COMMERCIAL (43)
THE FAITH LUTHERAN CHURCH OF MOUNT VERNON, OHIO
7.89 AC. (DEED)
D.B. 210, P. 568
66-50346.000
6.82 AC. (AUDITOR)
170 MANSFIELD AVE.
MOUNT VERNON, OH 43050

* DENOTES R/W ENCROACHMENT

NOTE:
SEE BOUNDARY SHEETS FOR MONUMENT AND ℄ INTERSECTION STATIONS AND OFFSETS.

NOTE:
MATCH LINE STATIONING IS BASED ON THE ℄ PR SHARED USE PATH.

REV. BY	DATE	DESCRIPTION

DATE COMPLETED: 7/14/2023

DESIGN AGENCY
EMH&T

DESIGNER	BLM
REVIEWER	JMM
PROJECT ID	115280
SUBSET	RW.17
TOTAL	RW.28
SHEET	
TOTAL	

KNO-CR5-0.47

MODEL: RT004 - Sheet PAPERSIZE: 17x11 (in.) DATE: 4/5/2024 TIME: 1:50:04 PM USER: bmccutchen
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KNOX COUNTY
CITY OF MOUNT VERNON
SEC. 22, Q.T. 4, T. 7 N., R. 13 W.
Q.T. 1, T. 6 N., R. 13 W.
UNITED STATES MILITARY DISTRICT

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY BOUNDARY SHEET
STA 115+00.00 TO STA 120+00.00

3/4" IRON PIPE
STA 17+04.88, 130.82' LT

RESIDENTIAL
(34)
DAVID T. DEBOARD
SUSAN DEBOARD
0.26 AC. (DEED)
D.B. 427, P. 306
66-03103.000
0.2594 AC. (AUDITOR)
151 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL
(36)
SHERI L. NEIPLING
DEBRA S. LONZO
0.17 AC. (DEED)
O.R. 1834, P. 309
66-01971.000
0.1818 AC. (AUDITOR)
155 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL
(37)
TYLER JUSTIN BAUGHMAN
PATRICIA L. BAUGHMAN
0.425 AC. (DEED)
O.R. 1776, P. 740
66-09051.000
0.4223 AC. (AUDITOR)
157 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL
(39)
SAMUEL T. SPRINGER
ELIZABETH A. SPRINGER
0.287 AC. (DEED)
O.R. 1837, P. 716
66-01871.000
0.2738 AC. (AUDITOR)
159 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL
(41)
PAMELA SCHWIEBERT, TRUSTEE OR
HER SUCCESSOR(S) OF "THE
MORROW KEYSTONE INHERITANCE
TRUST", DATED NOVEMBER 1, 2010
PARCEL THREE
0.576 AC. (DEED)
O.R. 1262, P. 125
66-09057.000
0.576 AC. (AUDITOR)
163 MANSFIELD AVE.
MOUNT VERNON, OH 43050

SWINGLE AVE (27')
Ex R/W
℄
5/8" IRON REBAR
STA 17+04.65, 30.40' LT
5/8" IRON REBAR
STA 18+17.81, 30.49' LT
3/4" IRON PIPE
"VANCE PS6553"
STA 19+99.88, 29.82' LT
3/4" IRON PIPE
STA 20+46.56, 29.97' LT
Ex SH

STA 16+91.07 ℄ EX R/W MANSFIELD AVE =
STA 0+00.00 ℄ EX R/W SWINGLE AVE
STA 19+35.68 ℄ EX R/W MANSFIELD AVE =
STA 0+00.00 ℄ EX R/W NORTHGATE DR
℄ EX R/W OF MANSFIELD AVE
CONST LIMITS
MANSFIELD AVE (60')
17 18 19 20 21
N 11°58'51" W, 80.00'
N11°58'51"W, 2,206.24'
℄ PR SHARED USE PATH
MATCH LINE STA. 115+00.00
MATCH LINE STA. 120+00.00
5/8" IRON REBAR
STA 19+60.09, 30.06' RT
3/4" IRON PIPE
STA 20+35.54, 30.64' RT
+89.26
30.00' RT.
N 89°36'09" E, 11.72'
115 116 117 118 119 12
+98.84
30.00' RT.
+60.11
30.00' RT.
+35.60
30.00' RT.
+11.39
30.00' RT.
N 11°58'51" W,
35.39'
+24.65
30.00' RT.
+99.16
30.00' RT.
N 11°58'51" W, 99.68'
+97.39
37.00' RT.
N 11°58'51" W, 75.49'
N 11°58'51" W, 75.79'
N 11°58'51" W, 77.19'
S 89°42'25" W,
14.30'
S 86°58'51" E,
15.01'
S 86°58'51" E,
15.53'
S 88°56'09" W,
7.13'
S 11°58'51" E, 99.58'
S 11°35'58" E, 74.50'
S 11°35'58" E, 75.66'
S 06°57'17" E, 75.87'
+97.81
37.00' RT.
+31.71
44.50' RT.
+92.80
44.90' RT.
+27.22
46.75' RT.
N 67°42'58" E,
18.46'
+27.95
48.16' RT.
S 23°51'42" W,
16.44'
+00.23
51.11' RT.
S 18°03'55" E,
27.87'
5/8" IRON REBAR
STA 16+89.57, 29.68' RT
3/4" IRON PIPE
STA 18+99.19, 30.30' RT
+57.21
44.00' RT.
S 89°42'25" W,
8.13'
+55.56
51.96' RT.
N 11°33'58" W,
30.88'
+88.09
44.21' RT.
S 76°28'54" E,
10.31'
+83.65
53.51' RT.
S 08°48'57" E,
28.13'
N 11°35'58" W,
14.57'
S 37°46'29" W,
17.16'
S 86°58'51" E,
13.46'
+03.88
58.00' RT.
S 70°32'06" E,
17.78'
N 06°57'17" W,
19.93'
+17.95
61.91' RT.
S 03°34'15" W,
14.60'
+07.37
45.00' RT.
S 87°23'30" E,
22.37'
S 18°50'38" E,
14.35'
+82.94
51.65' RT.
3/4" PINCH-TOP IRON PIPE
STA 19+33.13, 161.23' RT

33-T 35-T 38-T 40-T 42-T
38-SW 40-SW 42-SW 43-SW1
TMP
SW
Ex R/W
℄

NORTHGATE DR (60')

LOT 18
RESIDENTIAL
(33)
RICHARD H. FORD
BARBARA E. FORD
D.B. 481, P. 484
66-05140.000
0.3309 AC. (AUDITOR)
152 MANSFIELD AVE.
MOUNT VERNON, OH 43050

LOT 19
RESIDENTIAL
(35)
VICTORIA THOMAS
O.R. 1883, P. 6
66-06605.000
0.3591 AC. (AUDITOR)
156 MANSFIELD AVE.
MOUNT VERNON, OH 43050

LOT 1
NORTHGATE SUBDIVISION
P.C. A, P. 123
RESIDENTIAL
(38)
ROBBIE LOU RICE
D.B. 456, P. 259
66-04342.000
0.2307 AC. (AUDITOR)
158 MANSFIELD AVE.
MOUNT VERNON, OH 43050

LOT 2
RESIDENTIAL
(40)
LAURYNN WORLEY
CRAIG PARKS
O.R. 1815, P. 891
66-07930.000
0.2565 AC. (AUDITOR)
160 MANSFIELD AVE.
MOUNT VERNON, OH 43050

LOT 3
RESIDENTIAL
(42)
LANCE M. WRIGHT
D.B. 440, P. 101
66-05788.000
0.3058 AC. (AUDITOR)
162 MANSFIELD AVE.
MOUNT VERNON, OH 43050

¼ TWP. 1, T-6, R-13
SEC. 22, ¼ TWP. 4, T-7, R-13

COMMERCIAL
(43)
THE FAITH LUTHERAN CHURCH
OF MOUNT VERNON, OHIO
7.89 AC. (DEED)
D.B. 210, P. 568
66-50346.000
6.82 AC. (AUDITOR)
170 MANSFIELD AVE.
MOUNT VERNON, OH 43050

NOTE:
MATCH LINE STATIONING IS BASED ON THE ℄ PR SHARED USE PATH.

REV. BY	DATE	DESCRIPTION

DATE COMPLETED: 7/14/2023

DESIGN AGENCY
EMHT
DESIGNER BLM
REVIEWER JMM
PROJECT ID 115280
SUBSET RW.18 TOTAL RW.28
SHEET TOTAL

KNO-CR5-0.47

MODEL: RB004 - Sheet PAPERSIZE: 17x11 (in.) DATE: 9/18/2023 TIME: 2:18:40 PM USER: bmccutchen
J:\2022018?\ODOT\115280\400-Engineering\RW\Sheets\115280_RB001.dgn

KNOX COUNTY
CITY OF MOUNT VERNON
SEC. 22, Q.T. 4, T. 7 N., R. 13 W.
Q.T. 1, T. 6 N., R. 13 W.
UNITED STATES MILITARY DISTRICT

RESIDENTIAL (41)
PAMELA SCHWIEBERT, TRUSTEE OR HER SUCCESSOR(S) OF "THE MORROW KEYSTONE INHERITANCE TRUST", DATED NOVEMBER 1, 2010
PARCEL THREE
0.576 AC. (DEED)
O.R. 1262, P. 125
66-09057.000
0.576 AC. (AUDITOR)
163 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (44)
CRETA A. BERGER
0.316 AC. (DEED)
O.R. 1488, P. 52
O.R. 1947, P. 758
66-09610.002
0.316 AC. (AUDITOR)
165 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (45)
STEVEN E. BOYLES
KARI J. BOYLES
O.R. 844, P. 12
66-00961.000
0.386 AC. (AUDITOR)
167 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (46)
RICHARD J. THOMPSON
KATHLEEN M. THOMPSON
TRACT 2
0.185 AC. (DEED)
D.B. 467, P. 197
66-09610.001
0.185 AC. (AUDITOR)
MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (47)
GREEN DOOR ADVENTURES, LLC
0.250 AC. (DEED)
O.R. 1935, P. 601
66-06853.000
0.2796 AC. (AUDITOR)
173 MANSFIELD AVE.
MOUNT VERNON, OH 43050

COMMERCIAL (43)
THE FAITH LUTHERAN CHURCH OF MOUNT VERNON, OHIO
7.89 AC. (DEED)
D.B. 210, P. 568
66-50346.000
6.82 AC. (AUDITOR)
170 MANSFIELD AVE.
MOUNT VERNON, OH 43050

1 STY FRAME
1 STY BRICK
2 STY FRAME
GARAGE
SHED
1 STY BRICK

¼ TWP. 1, T-6, R-13
SEC. 22, ¼ TWP. 4, T-7, R-13

+93.76 ℄ RES DRIVE 19' CONC
+91.61 ℄ RES DRIVE 19' CONC
+32.29 ℄ RES DRIVE 15' GRAVEL
+45.33 ℄ RES DRIVE 30' ASPHALT
+37.63 ℄ RES DRIVE 14' ASPHALT
+91.35 ℄ RES DRIVE 21' ASPHALT

PI STA. 102+06.24

N11°58'51"W, 2,206.24'

N10°27'21"W, 614.53'

MANSFIELD AVE (60')
NORTHRIDGE DR (50')

MATCH LINE STA. 120+00.00
MATCH LINE STA. 125+00.00

Ex R/W
OH-Comb
SAN
Ex SH
EX UTILITY POLE & GUY WIRES (DND)
EX UTILITY POLE (DND)
EX 3' CONC WALK (DND)
EX WATER METER (DND)
EX SAN MH (DND)
EX GATE (DND)
EX GAS VALVE (DND)
EX 4' CHAINLINK FENCE (DND)
EX POLE & GUY WIRE (DND)
EX CB (DND)
EX SIGN (DND)
EX 12"
EX 15"
EX 15" (TBA)
EX 12" (TBA)
EX MAILBOX (TBRL)
EX MAILBOXES (3 & 1 POST) (TBRL)
PR MAILBOXES
EX SIGN (TBR)
EX CB (DND)
EX EOP
EX SAN MH (ATG)
PR UTILITY POLE
EX UTILITY POLE (TBRL)
EX SIGN (TBRL)
EX SIGN (TBR)
EX SIGN (DND)
EX SIGN & LANDSCAPING (DND)
EX SIGN & GROUND LIGHTS (DND)
EX LANDSCAPE (TBR)
EX WATER METER (TBRL)
*EX STONE SIGN & COLUMNS (TBR)
*EX STONE EDGING (APPROX 27' TBR)
EX STUMP (TBR)
SAVE
EX 12" DIP (TBR)
EX GAS VALVE (ATG)
EX CB (TBR)
EX WATER METER (ATG)
EX UTILITY POLE & GUY WIRE (DND)
CONST LIMITS
PR CONC SUP
PR 10' CONC SUP
PR CB
PR DITCH
EX DITCH
8" TYPE C
12" TYPE B
12" TYPE D
℄ EX R/W OF MANSFIELD AVE
℄ PR SHARED USE PATH
PR CURB & GUTTER, TYPE 2, APP
15" TYPE C
PR HW
121
122
123
124
43-SW1
43-T1
43-T2
TMP
MP
MS

* DENOTES R/W ENCROACHMENT

NOTE:
SEE BOUNDARY SHEETS FOR MONUMENT AND ℄ INTERSECTION STATIONS AND OFFSETS.

NOTE:
MATCH LINE STATIONING IS BASED ON THE ℄ PR SHARED USE PATH.

REV. BY	DATE	DESCRIPTION

DATE COMPLETED: 7/14/2023

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY TOPO SHEET
STA 120+00.00 TO STA 125+00.00

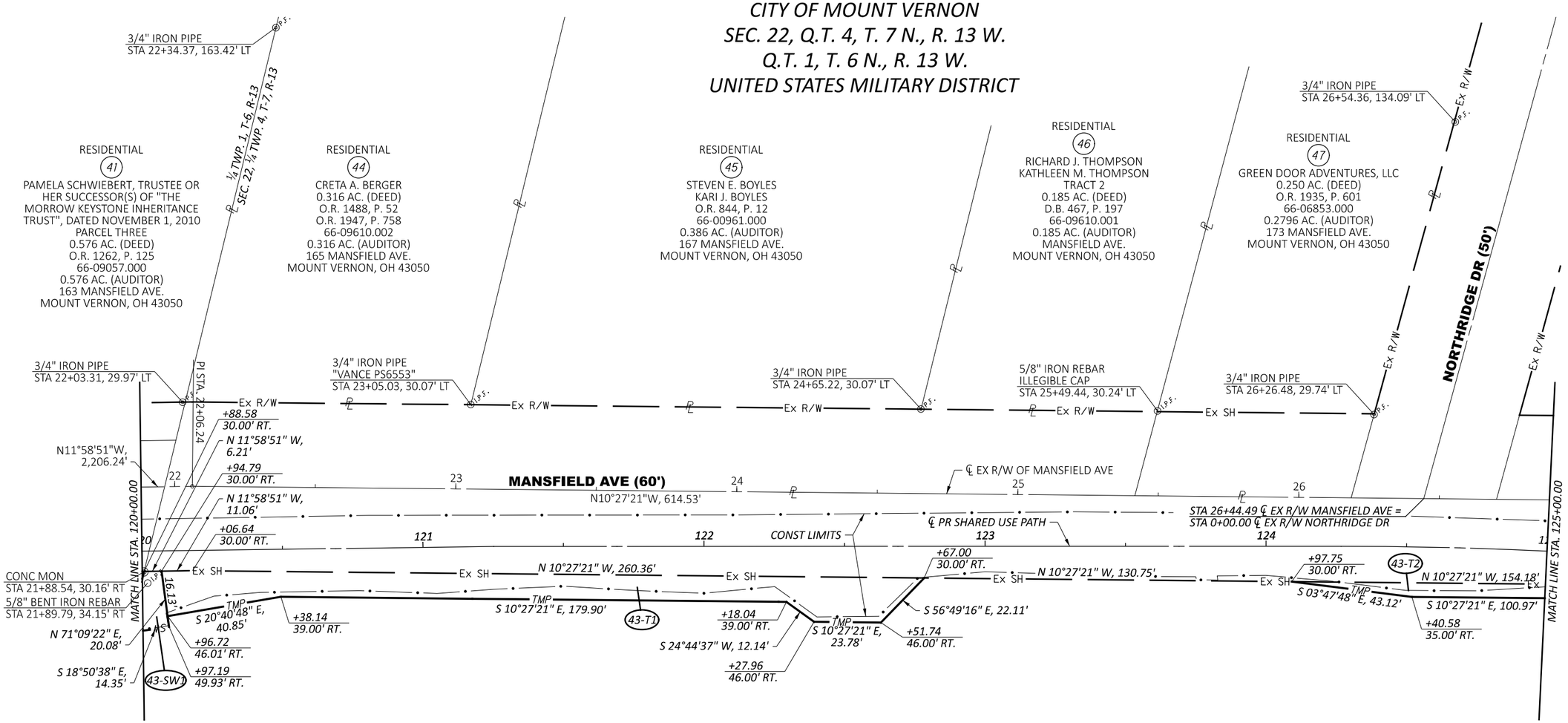
DESIGN AGENCY
EMH&T

DESIGNER BLM
REVIEWER JMM
PROJECT ID 115280
SUBSET RW.19 TOTAL RW.28
SHEET TOTAL

KNO-CR5-0.47

MODEL: RT005 - Sheet PAPERSIZE: 17X11 (in.) DATE: 4/5/2024 TIME: 1:50:13 PM USER: bmccutchen
J:\2022\0187\ODOT\115280\400-Engineering\RW\Sheets\115280_RT001.dgn

KNOX COUNTY
CITY OF MOUNT VERNON
SEC. 22, Q.T. 4, T. 7 N., R. 13 W.
Q.T. 1, T. 6 N., R. 13 W.
UNITED STATES MILITARY DISTRICT



COMMERCIAL
43
THE FAITH LUTHERAN CHURCH
OF MOUNT VERNON, OHIO
7.89 AC. (DEED)
D.B. 210, P. 568
66-50346.000
6.82 AC. (AUDITOR)
170 MANSFIELD AVE.
MOUNT VERNON, OH 43050

NOTE:
MATCH LINE STATIONING IS BASED ON THE ℄ PR SHARED USE PATH.

REV. BY	DATE	DESCRIPTION

DATE COMPLETED: 7/14/2023

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY BOUNDARY SHEET
STA 120+00.00 TO STA 125+00.00

DESIGN AGENCY
EMH&T

DESIGNER	BLM
REVIEWER	JMM
PROJECT ID	115280
SUBSET	RW.20
TOTAL	RW.28
SHEET	
TOTAL	

KNO-CR5-0.47

MODEL: RB005 - Sheet PAPERSIZE: 17x11 (in.) DATE: 9/18/2023 TIME: 2:18:45 PM USER: bmccutchen
J:\2022\0187\ODOT\115280\400-Engineering\RW\Sheets\115280_RB001.dgn

KNOX COUNTY
MORRIS TOWNSHIP
CITY OF MOUNT VERNON
SEC. 22, Q.T. 4, T. 7 N., R. 13 W.
UNITED STATES MILITARY DISTRICT

RESIDENTIAL (48)
SCOTT DAVID WOLFE
MINDI M. STROUSE
0.9 AC. (DEED)
O.R. 1972, P. 732
66-06752.000
0.9659 AC. (AUDITOR)
179 MANSFIELD AVE.
MOUNT VERNON, OH 43050

COMMERCIAL (50)
MOUNT VERNON, OHIO, CONGREGATION OF JEHOVAH'S WITNESSES
3.352 AC. (DEED)
O.R. 1202, P. 128
66-03870.000
3.352 AC. (AUDITOR)
189 MANSFIELD AVE.
MOUNT VERNON, OH 43050

COMMERCIAL (51)
GREG PRICE
PAGE R. PRICE
1.70 AC. (DEED)
D.B. 506, P. 644
66-03357.000
1.7 AC. (AUDITOR)
191 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (53)
NICK WILLIAMS
O.R. 1645, P. 635
O.R. 1645, P. 638
66-06624.000
5.881 AC. (AUDITOR)
195 MANSFIELD AVE.
MOUNT VERNON, OH 43050

COMMERCIAL (43)
THE FAITH LUTHERAN CHURCH OF MOUNT VERNON, OHIO
7.89 AC. (DEED)
D.B. 210, P. 568
66-50346.000
6.82 AC. (AUDITOR)
170 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (49)
EMILY J. CASTO, TRUSTEE OR HER SUCCESSOR(S) AS TRUSTEES OF "THE BLAIR KEYSTONE INHERITANCE TRUST", DATED AUGUST 13, 2008
7.644 AC. (DEED)
O.R. 1142, P. 14
54-00794.000
7.644 AC. (AUDITOR)
186 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (52)
DAVID L. BLAIR AND JANIE L. BLAIR, TRUSTEES OF THE BLAIR FAMILY TRUST DATED AUGUST 13, 2008
TRACT 2
0.539 AC. (DEED)
O.R. 1004, P. 696
54-00793.000
0.539 AC. (AUDITOR)
188 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (52)
DAVID L. BLAIR AND JANIE L. BLAIR, TRUSTEES OF THE BLAIR FAMILY TRUST DATED AUGUST 13, 2008
TRACT 1
0.261 AC. (DEED)
O.R. 1004, P. 696
54-00831.000
0.261 AC. (AUDITOR)
MANSFIELD AVE.
MOUNT VERNON, OH 43050

* ALL AQUISITIONS FOR PARCEL 50 TO BE ACQUIRED UNDER THE MANSFIELD AVENUE WATERLINE & DRAINAGE IMPROVEMENT PROJECT

* ALL AQUISITIONS FOR PARCEL 51 TO BE ACQUIRED UNDER THE MANSFIELD AVENUE WATERLINE & DRAINAGE IMPROVEMENT PROJECT

* ALL AQUISITIONS FOR PARCEL 49 TO BE ACQUIRED UNDER THE MANSFIELD AVENUE WATERLINE & DRAINAGE IMPROVEMENT PROJECT

2 STY FRAME
1 STY MASONRY
1 STY FRAME
1 STY FRAME
GARAGE

MANSFIELD AVE (60')
℄ EX R/W OF MANSFIELD AVE
℄ PR SHARED USE PATH
CONST LIMITS
PR DITCH
EX DITCH
PR HW
EX HW (TBR)
EX EOP
EX 8'X4' CULVERT (BY OTHERS)
EX 15" RCP
EX 18" RCP
EX 24" RCP
EX 12" RCP
EX 12" (TBR)
18" TYPE C
12" TYPE D
PR 10' CONC SUP
PR CB
EX CB (DND)
EX CB (TBR)
EX MAILBOX (TBRL)
EX MAILBOX (2) (TBRL)
EX SIGNS (TBR)
EX GAS MARKER (TBRL)
EX SIGN (DND)
EX SIGN & LANDSCAPING (DND)
EX UTILITY POLE (DND)
EX UTILITY POLE & GUY WIRE (DND)
EX UTILITY POLE & GUY WIRE (TBRL)
EX UTILITY POLE & ELEC PEDESTAL (TBRL)
EX WATER METER (DND)
EX FH & VALVE (DND)
*EX POSTS (2) (DND)
EX WOVEN WIRE FENCE (TBR)
EX 4' WIRE FENCE (APPROX 8', TBR)
EX CB (TBR)
CITY OF MOUNT VERNON
TOWNSHIP OF MORRIS
+88.96 ℄ RES DRIVE 13' GRAVEL
+95.76 ℄ RES DRIVE 25' ASPHALT
+09.95 ℄ RES DRIVE 22' ASPHALT
+34.23 ℄ RES DRIVE 11' GRAVEL
+46.73 ℄ RES DRIVE 11' ASPHALT
PI STA. 26+78.29
PI STA. 11+56.99
PI STA. 12+81.73
MATCH LINE STA. 125+00.00
MATCH LINE STA. 130+00.00
N10°27'21"W, 614.53'
N02°38'28"E, 157.52'
N04°29'18"E, 178.70'
N04°06'18"E, 55.00'
SAVE
43-T2
43-SW2
52-T

* DENOTES R/W ENCROACHMENT

NOTE:
SEE BOUNDARY SHEETS FOR MONUMENT AND ℄ INTERSECTION STATIONS AND OFFSETS.

NOTE:
MATCH LINE STATIONING IS BASED ON THE ℄ PR SHARED USE PATH.

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY TOPO SHEET
STA 125+00.00 TO STA 130+00.00

REV. BY	DATE	DESCRIPTION

DATE COMPLETED: 7/14/2023

DESIGN AGENCY: EMHT
DESIGNER: BLM
REVIEWER: JMM
PROJECT ID: 115280
SUBSET: RW.21 TOTAL: RW.28
SHEET TOTAL

KNO-CR5-0.47

MODEL: RT06 - Sheet PAPERSIZE: 17x11 (in.) DATE: 4/5/2024 TIME: 1:50:18 PM USER: bmccutchen
J:\2022018?\ODOT\115280\400-Engineering\RW\Sheets\115280_RT002.dgn

KNOX COUNTY
MORRIS TOWNSHIP
CITY OF MOUNT VERNON
SEC. 22, Q.T. 4, T. 7 N., R. 13 W.
UNITED STATES MILITARY DISTRICT

RESIDENTIAL
(48)
SCOTT DAVID WOLFE
MINDI M. STROUSE
0.9 AC. (DEED)
O.R. 1972, P. 732
66-06752.000
0.9659 AC. (AUDITOR)
179 MANSFIELD AVE.
MOUNT VERNON, OH 43050

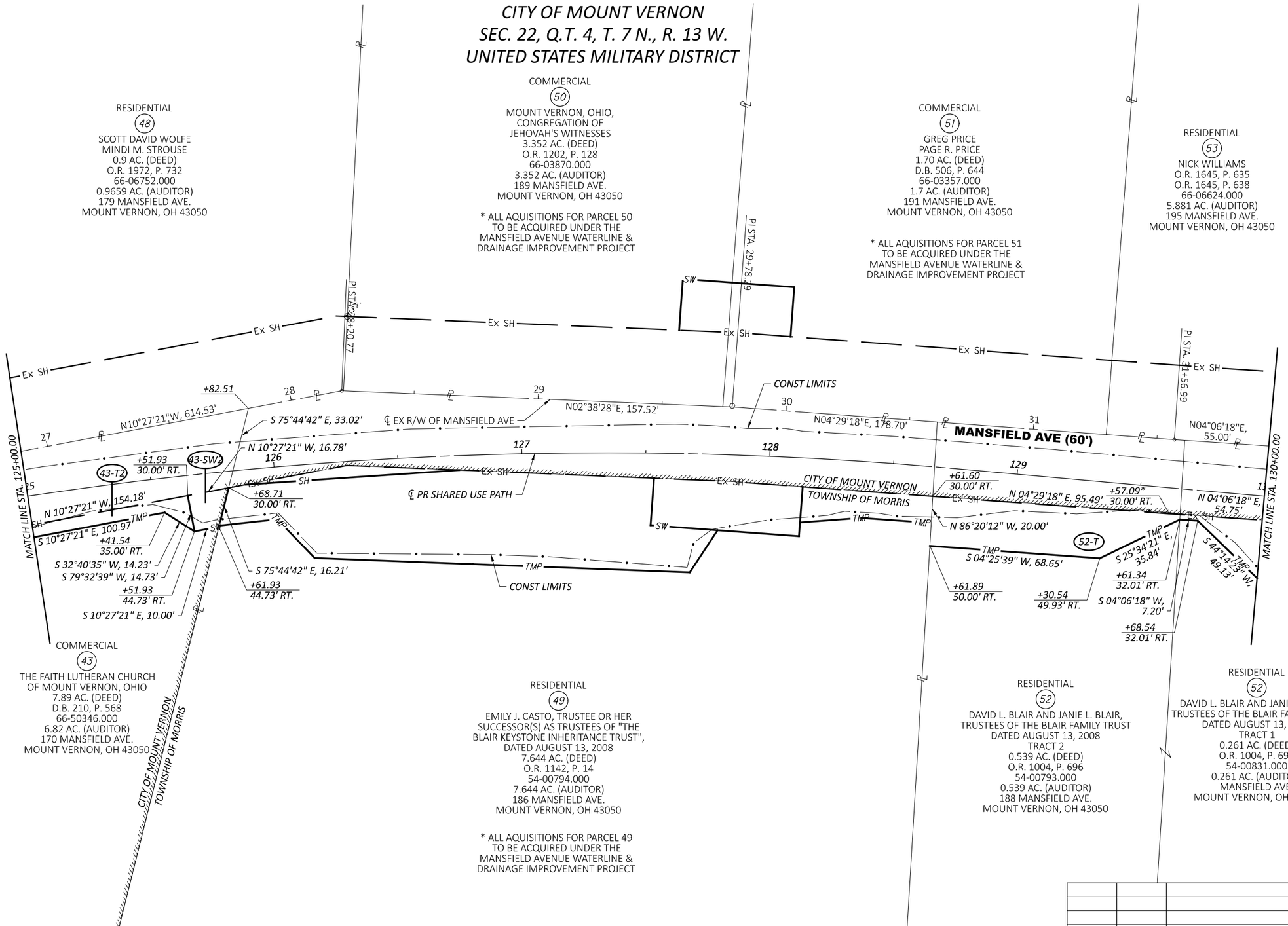
COMMERCIAL
(50)
MOUNT VERNON, OHIO,
CONGREGATION OF
JEHOVAH'S WITNESSES
3.352 AC. (DEED)
O.R. 1202, P. 128
66-03870.000
3.352 AC. (AUDITOR)
189 MANSFIELD AVE.
MOUNT VERNON, OH 43050

* ALL AQUISITIONS FOR PARCEL 50 TO BE ACQUIRED UNDER THE MANSFIELD AVENUE WATERLINE & DRAINAGE IMPROVEMENT PROJECT

COMMERCIAL
(51)
GREG PRICE
PAGE R. PRICE
1.70 AC. (DEED)
D.B. 506, P. 644
66-03357.000
1.7 AC. (AUDITOR)
191 MANSFIELD AVE.
MOUNT VERNON, OH 43050

* ALL AQUISITIONS FOR PARCEL 51 TO BE ACQUIRED UNDER THE MANSFIELD AVENUE WATERLINE & DRAINAGE IMPROVEMENT PROJECT

RESIDENTIAL
(53)
NICK WILLIAMS
O.R. 1645, P. 635
O.R. 1645, P. 638
66-06624.000
5.881 AC. (AUDITOR)
195 MANSFIELD AVE.
MOUNT VERNON, OH 43050



COMMERCIAL
(43)
THE FAITH LUTHERAN CHURCH
OF MOUNT VERNON, OHIO
7.89 AC. (DEED)
D.B. 210, P. 568
66-50346.000
6.82 AC. (AUDITOR)
170 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL
(49)
EMILY J. CASTO, TRUSTEE OR HER
SUCCESSOR(S) AS TRUSTEES OF "THE
BLAIR KEYSTONE INHERITANCE TRUST",
DATED AUGUST 13, 2008
7.644 AC. (DEED)
O.R. 1142, P. 14
54-00794.000
7.644 AC. (AUDITOR)
186 MANSFIELD AVE.
MOUNT VERNON, OH 43050

* ALL AQUISITIONS FOR PARCEL 49 TO BE ACQUIRED UNDER THE MANSFIELD AVENUE WATERLINE & DRAINAGE IMPROVEMENT PROJECT

RESIDENTIAL
(52)
DAVID L. BLAIR AND JANIE L. BLAIR,
TRUSTEES OF THE BLAIR FAMILY TRUST
DATED AUGUST 13, 2008
TRACT 2
0.539 AC. (DEED)
O.R. 1004, P. 696
54-00793.000
0.539 AC. (AUDITOR)
188 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL
(52)
DAVID L. BLAIR AND JANIE L. BLAIR,
TRUSTEES OF THE BLAIR FAMILY TRUST
DATED AUGUST 13, 2008
TRACT 1
0.261 AC. (DEED)
O.R. 1004, P. 696
54-00831.000
0.261 AC. (AUDITOR)
MANSFIELD AVE.
MOUNT VERNON, OH 43050

* (EXTENDED BACK TANGENT)

NOTE:
MATCH LINE STATIONING IS BASED ON THE ℄ PR SHARED USE PATH.

REV. BY	DATE	DESCRIPTION

DATE COMPLETED: 7/14/2023

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY BOUNDARY SHEET
STA 125+00.00 TO STA 130+00.00

DESIGN AGENCY
EMH&T

DESIGNER	BLM
REVIEWER	JMM
PROJECT ID	115280
SUBSET	RW.22
TOTAL	RW.28
SHEET	
TOTAL	

KNO-CR5-0.47

MODEL: RB006 - Sheet PAPERSIZE: 17x11 (in.) DATE: 9/18/2023 TIME: 2:18:51 PM USER: bmccutchen
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KNOX COUNTY
MORRIS TOWNSHIP
CITY OF MOUNT VERNON
SEC. 22, Q.T. 4, T. 7 N., R. 13 W.
UNITED STATES MILITARY DISTRICT

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY TOPO SHEET
STA 130+00.00 TO STA 135+00.00

RESIDENTIAL (53)
NICK WILLIAMS
O.R. 1645, P. 635
O.R. 1645, P. 638
66-06624.000
5.881 AC. (AUDITOR)
195 MANSFIELD AVE.
MOUNT VERNON, OH 43050

* ALL AQUISITIONS FOR PARCEL 53 TO BE ACQUIRED UNDER THE MANSFIELD AVENUE WATERLINE & DRAINAGE IMPROVEMENT PROJECT

RESIDENTIAL (57)
RIVERSIDE RECOVERY SERVICE, LLC
0.456 AC. (DEED)
O.R. 1714, P. 551
66-00443.000
0.3473 AC. (AUDITOR)
197 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (57)
RIVERSIDE RECOVERY SERVICE, LLC
0.781 AC. (DEED)
O.R. 1714, P. 549
66-02648.000
0.7805 AC. (AUDITOR)
199 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (52)
DAVID L. BLAIR AND JANIE L. BLAIR, TRUSTEES OF THE BLAIR FAMILY TRUST DATED AUGUST 13, 2008
TRACT 1
0.261 AC. (DEED)
O.R. 1004, P. 696
54-00831.000
0.261 AC. (AUDITOR)
MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (54)
CAROLYN ISAMAN
MARK KING
0.514 AC. (DEED)
O.R. 1813, P. 205
54-00534.000
0.514 AC. (AUDITOR)
192 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (55)
MAX L. FRANZ
1.526 AC. (DEED)
O.R. 1166, P. 723
54-00862.000
1.526 AC. (AUDITOR)
194 MANSFIELD AVE.
MOUNT VERNON, OH 43050

* ALL AQUISITIONS FOR PARCEL 55 TO BE ACQUIRED UNDER THE MANSFIELD AVENUE WATERLINE & DRAINAGE IMPROVEMENT PROJECT

RESIDENTIAL (56)
CHARLES B. EIS
TRACT 2
0.947 AC. (DEED)
O.R. 1642, P. 295
54-00803.000
0.947 AC. (AUDITOR)
FAIRGROUNDS RD.
MOUNT VERNON, OH 43050

MANSFIELD AVE (60')
FAIRGROUNDS RD (C.R. 51, 40')
PR HW (BY OTHERS)
PR 76x48" CULVERT (BY OTHERS)
MATCH LINE STA. 130+00.00
MATCH LINE STA. 135+00.00
N05°26'21"E, 135.48'
N04°58'15"E, 295.45'
N03°23'33"E, 1153.23'
CONST LIMITS ℄ PR SHARED USE PATH
CITY OF MOUNT VERNON
TOWNSHIP OF MORRIS
EX R/W
EX EOP
EX CONC RUBBLE (TBR)
EX MAILBOX (TBRL)
EX MAILBOX (DND)
EX UTILITY POLE & GUY WIRE (DND)
EX UTILITY POLE (DND)
EX UTILITY POLE (TBRL)
EX 4' WIRE FENCE (APPROX 32', TBR)
EX SIGN (TBR)
EX SIGN (DND)
EX GAS SVC VALVE (ATG)
EX WATER METER (ATG)
EX LIGHT POST (DND)
EX METAL GATE (DND)
EX DITCH
EX 18" RCP
EX 12" RCP (TBR)
EX CB (DND)
PR CB
PR MH
PR STM MH
PR DITCH
PR 10' CONC SUP
8' TYPE C
12" TYPE C
12" TYPE D
18" TYPE C
18" TYPE D
42" TYPE C
*EX LANDSCAPING (DND)
*EX BOULDER (TBR)
*EX BOULDER (DND)
2 STY FRAME
+18.40 ℄ RES DRIVE 11' GRAVEL
+27.11 ℄ RES DRIVE 10' GRAVEL
+62.61 ℄ RES DRIVE 12' GRAVEL
+25.59 ℄ RES DRIVE 23' ASPHALT
+61.84 ℄ RES DRIVE 15' GRAVEL
+24.77 ℄ RES DRIVE 15' GRAVEL
52-T, 54-T, 56-T, 57-T, 54-SH
SAVE
TMP
P.O.B.
P.O.E.

* DENOTES R/W ENCROACHMENT

NOTE:
SEE BOUNDARY SHEETS FOR MONUMENT AND ℄ INTERSECTION STATIONS AND OFFSETS.

NOTE:
MATCH LINE STATIONING IS BASED ON THE ℄ PR SHARED USE PATH.

REV. BY	DATE	DESCRIPTION
BLM	4/5/24	REVISED DRIVE STATIONS FOR PARCELS 54 & 55
DATE COMPLETED:		7/14/2023

DESIGN AGENCY: EMH&T
DESIGNER: BLM
REVIEWER: JMM
PROJECT ID: 115280
SUBSET: RW.23 TOTAL: RW.28
SHEET TOTAL:

KNO-CR5-0.47

MODEL: RT007 - Sheet PAPERSIZE: 17x11 (in.) DATE: 4/5/2024 TIME: 1:50:22 PM USER: bmccutchen
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KNOX COUNTY
MORRIS TOWNSHIP
CITY OF MOUNT VERNON
SEC. 22, Q.T. 4, T. 7 N., R. 13 W.
UNITED STATES MILITARY DISTRICT

HORIZONTAL SCALE IN FEET
0 10 20 40

RESIDENTIAL
(53)
NICK WILLIAMS
O.R. 1645, P. 635
O.R. 1645, P. 638
66-06624.000
5.881 AC. (AUDITOR)
195 MANSFIELD AVE.
MOUNT VERNON, OH 43050

* ALL AQUISITIONS FOR PARCEL 53 TO BE ACQUIRED UNDER THE MANSFIELD AVENUE WATERLINE & DRAINAGE IMPROVEMENT PROJECT

RESIDENTIAL
(57)
RIVERSIDE RECOVERY SERVICE, LLC
0.456 AC. (DEED)
O.R. 1714, P. 551
66-00443.000
0.3473 AC. (AUDITOR)
197 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL
(57)
RIVERSIDE RECOVERY SERVICE, LLC
0.781 AC. (DEED)
O.R. 1714, P. 549
66-02648.000
0.7805 AC. (AUDITOR)
199 MANSFIELD AVE.
MOUNT VERNON, OH 43050

N 04°06'18" E, 55.00'
P.I. STA. 32+11.99
Ex SH
N 04°06'18" E, 54.75'
+11.64 30.00' RT.
℄ EX R/W OF MANSFIELD AVE
N05°26'21"E, 135.48'
N 05°26'21" E, 1.88'
+14.21 30.00' RT.
+24.50 30.00' RT.
54-SH
131
+22.00 30.00' RT.
N 05°26'21" E, 24.68'
P.I. STA. 33+47.47
S 83°03'19" E, 30.01'
+46.68 30.00' RT.
CONST LIMITS
MANSFIELD AVE (60')
3/4" IRON PIPE
STA 33+46.68, 34.31' RT
N04°58'15"E, 295.45'
N 05°26'21" E, 97.50'
S 88°48'20" E, 33.23'
+24.50 34.00' RT.
S 05°26'21" W, 97.50'
54-T
+22.00 34.00' RT.
+43.21 30.00' RT.
3/4" IRON PIPE
STA 34+43.40, 30.28' RT
℄ PR SHARED USE PATH
CITY OF MOUNT VERNON
TOWNSHIP OF MORRIS
N 86°21'28" W, 12.00'
N 04°58'15" E, 180.36'
S 04°58'15" W, 76.44'
56-T
+43.49 42.00' RT.
CONST LIMITS
+19.93 42.00' RT.
S 05°59'39" E, 51.06'
+70.06 32.29' RT.
S 13°46'14" W, 24.27'
+94.04 36.00' RT.
S 04°58'15" W, 29.65'
+23.70 36.00' RT.
5/8" IRON REBAR
STA 36+23.79, 40.08' RT
N 86°28'27" W, 30.01'
+24.44 30.00' LT.
+84.99 30.00' LT.
N 04°58'15" E, 60.55'
S 04°58'15" W, 57.52'
+25.20 0.00' RT.
N 02°00'56" E, 24.64'
+11.37 45.85' LT.
N 26°01'43" W, 30.78' TMP
57-T
+42.50 30.00' LT.
+35.98 47.12' LT.
N 41°28'52" E, 12.17'
+46.85 39.79' LT.
N 08°07'37" E, 81.83'
S 03°23'33" W, 127.53'
P.I. STA. 35+44.92
MATCH LINE STA. 135+00.00
N 03°23'33" E, 1153.23'
STA 36+42.92 ℄ EX R/W MANSFIELD AVE =
STA 0+00.00 ℄ EX R/W FAIRGROUNDS RD
+23.57 30.00' RT.
Ex R/W
FAIRGROUNDS RD (C.R. 51, 40')
MATCH LINE STA. 130+00.00
30.00'
S 44°14'23" W, 49.13'
+06.09 63.67' RT.
S 01°18'58" W, 9.12'
5/8" IRON REBAR
"VANCE PS6553"
STA 32+13.62, 29.32' RT
S 01°18'58" W, 16.56'
+16.67 63.14' RT.
S 10°11'20" W, 50.77'
+44.36 45.14' RT.
S 50°56'14" E, 20.18'
+33.19 61.95' RT.
S 20°40'10" W, 18.98'
+94.96 49.35' RT.
+13.27 54.33' RT.
S 07°32'57" W, 23.75'
S 83°03'19" E, 11.01'
+46.39 41.01' RT.
S 51°07'09" E, 17.01'
+37.01 55.21' RT.
1" IRON PIPE
STA 33+44.65, 107.26' RT
1/2" IRON PIPE
STA 32+24.98, 175.04' RT
1" IRON PIPE
STA 33+31.81, 176.19' RT
SW
TMP
Ex SH
Ex R/W
℄
P.O.B.
P.O.C.
P.O.S.
P.O.T.
A
B
C
52-T

RESIDENTIAL
(52)
DAVID L. BLAIR AND JANIE L. BLAIR, TRUSTEES OF THE BLAIR FAMILY TRUST DATED AUGUST 13, 2008
TRACT 1
0.261 AC. (DEED)
O.R. 1004, P. 696
54-00831.000
0.261 AC. (AUDITOR)
MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL
(54)
CAROLYN ISAMAN
MARK KING
0.514 AC. (DEED)
O.R. 1813, P. 205
54-00534.000
0.514 AC. (AUDITOR)
192 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL
(55)
MAX L. FRANZ
1.526 AC. (DEED)
O.R. 1166, P. 723
54-00862.000
1.526 AC. (AUDITOR)
194 MANSFIELD AVE.
MOUNT VERNON, OH 43050

* ALL AQUISITIONS FOR PARCEL 55 TO BE ACQUIRED UNDER THE MANSFIELD AVENUE WATERLINE & DRAINAGE IMPROVEMENT PROJECT

RESIDENTIAL
(56)
CHARLES B. EIS
TRACT 2
0.947 AC. (DEED)
O.R. 1642, P. 295
54-00803.000
0.947 AC. (AUDITOR)
FAIRGROUNDS RD.
MOUNT VERNON, OH 43050

A	N 05°26'21" E, 10.28'
B	S 84°33'39" E, 4.00'
C	N 84°33'39" W, 4.00'

NOTE:
MATCH LINE STATIONING IS BASED ON THE ℄ PR SHARED USE PATH.

REV. BY	DATE	DESCRIPTION

DATE COMPLETED: 7/14/2023

RIGHT OF WAY BOUNDARY SHEET STA 130+00.00 TO STA 135+00.00

DESIGN AGENCY
EMH&T

DESIGNER BLM
REVIEWER JMM
PROJECT ID 115280
SUBSET RW.24 TOTAL RW.28
SHEET TOTAL

KNO-CR5-0.47

MODEL: RB007 - Sheet PAPERSIZE: 17x11 (in.) DATE: 9/18/2023 TIME: 2:18:55 PM USER: bmccutchen
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KNOX COUNTY
MORRIS TOWNSHIP
CITY OF MOUNT VERNON
SEC. 22, Q.T. 4, T. 7 N., R. 13 W.
UNITED STATES MILITARY DISTRICT

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY TOPO SHEET
STA 135+00.00 TO STA 140+00.00

GARAGE
2 STY FRAME

RESIDENTIAL (57)
RIVERSIDE RECOVERY SERVICE, LLC
0.781 AC. (DEED)
O.R. 1714, P. 549
66-02648.000
0.7805 AC. (AUDITOR)
199 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (61)
NICHOLAS E. ZARLEY
O.R. 1792, P. 619
66-05037.000
0.1653 AC. (AUDITOR)
201 MANSFIELD AVE.
MOUNT VERNON, OH 43050

LOT 1
CLINTONVILLE SUB-DIVISION
P.C. A, P. 119

66-05038.000
0.1653 AC. (AUDITOR)
MANSFIELD AVE.
MOUNT VERNON, OH 43050

LOT 2
1 STY FRAME

RESIDENTIAL (63)
RHONDA L. STATLER
D.B. 391, P. 278
O.R. 1578, P. 167
66-05820.000
0.1653 AC. (AUDITOR)
203 MANSFIELD AVE.
MOUNT VERNON, OH 43050

LOT 31

66-05821.000
0.1653 AC. (AUDITOR)
MANFIELD AVE.
MOUNT VERNON, OH 43050

LOT 32
1 STY FRAME

RESIDENTIAL (65)
MICHAEL J. SHIRE
D.B. 507, P. 822
66-03956.000
66-03957.000
0.1653 AC. (AUDITOR)
0.1653 AC. (AUDITOR)
301 MANSFIELD AVE.
MOUNT VERNON, OH 43050

LOT 33

CLINTON RD (T.R. 390)
FEARN AVE (50')
MANSFIELD AVE (60')
LONGITUDE DR (60')
MATCH LINE STA. 135+00.00
MATCH LINE STA. 140+00.00
CONST LIMITS
℄ PR SHARED USE PATH
+20.36 ℄ RES DRIVE 13' GRAVEL/CONC
+00.75 ℄ RES DRIVE 15' GRAVEL
N03°23'33"E, 1,153.23'
CONC DRIVE
TOWNSHIP OF MORRIS
CITY OF MOUNT VERNON

EX WATER VALVES (DND)
EX SIGN (DND)
EX UTILITY POLE (DND)
EX BOULDER (TBR)
*EX BOULDER (TBR)
EX WATER VALVES (ATG)
PR UTILITY POLE
EX UTILITY POLE & GUY WIRE (TBRL)
PR UTILITY POLE
EX UTILITY POLES & GUY WIRE (TBRL)
EX SIGN (TBRL)
EX WATER VALVE (DND)
EX FH & VALVE (TBRL)
8" TYPE C
12" TYPE B
PR 10' CONC SUP
PR DITCH
15" TYPE B
12" TYPE D
12" TYPE B
EX CB (TBR)
PR CB
EX EOP
EX MAILBOX (DND)
EX MAILBOX (DND)
℄ EX R/W OF MANSFIELD AVE
EX SIGN (DND)
EX DITCH
EX HW (DND)
EX CB (DND)
12" CMP
EX UTILITY POLE & GUY WIRES (DND)
EX WATER METER (DND)
EX 6' WOOD PRIVACY FENCE (DND)
EX POST & WIRE FENCE (DND)
EX UTILITY POLE & GUY WIRE (DND)
EX SAN MH (DND)
EX CB (DND)
EX SIGN (DND)
EX FH & VALVE (DND)
EX SIGN & BOULDERS (4) (DND)
EX WATER METER (DND)
*EX 4' WOOD/CHAINLINK FENCE (DND)
*EX LANDSCAPING (DND)
EX UTILITY POLE & GUY WIRES (DND)
EX CI (DND)
*EX BOULDER (DND)
EX CI (DND)
2 STY FRAME
GARAGE
1 STY FRAME
2 STY FRAME
GARAGE
LOT 38

RESIDENTIAL (59)
JESSICA SHAW
JACOB SHAW
1.164 AC. (DEED)
O.R. 1858, P. 157
66-09852.000
1.164 AC. (AUDITOR)
200 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (60)
JUSTIN LYN SMITH
CASSIE LEE SHEETS VILFER
0.805 AC. (DEED)
O.R. 1029, P. 964
O.R. 1700, P. 824
66-09852.001
0.805 AC. (AUDITOR)
202 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (62)
KERRY B. KING
SANDRA K. KING
O.R. 1796, P. 459
66-09853.039
0.332 AC. (AUDITOR)
2 LONGITUDE DR.
MOUNT VERNON, OH 43050

RESIDENTIAL (64)
COREY SHELLER
MARLEY LANG
O.R. 1925, P. 71
66-09853.002
0.366 AC. (AUDITOR)
1 LONGITUDE DR.
MOUNT VERNON, OH 43050

LOT 1
COMPASS POINTE
P.C. B, P. 143

* DENOTES R/W ENCROACHMENT

NOTE:
SEE BOUNDARY SHEETS FOR MONUMENT AND ℄ INTERSECTION STATIONS AND OFFSETS.

NOTE:
MATCH LINE STATIONING IS BASED ON THE ℄ PR SHARED USE PATH.

REV. BY	DATE	DESCRIPTION

DATE COMPLETED: 7/14/2023

DESIGN AGENCY: EMH&T
DESIGNER: BLM
REVIEWER: JMM
PROJECT ID: 115280
SUBSET: RW.25 | TOTAL: RW.28
SHEET | TOTAL

KNO-CR5-0.47

MODEL: RT008 - Sheet PAPERSIZE: 17x11 (in.) DATE: 4/5/2024 TIME: 1:50:28 PM USER: bmccutchen
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KNOX COUNTY
MORRIS TOWNSHIP
CITY OF MOUNT VERNON
SEC. 22, Q.T. 4, T. 7 N., R. 13 W.
UNITED STATES MILITARY DISTRICT

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY BOUNDARY SHEET
STA 135+00.00 TO STA 140+00.00

3/4" IRON PIPE
STA 37+73.12, 200.11' LT

RESIDENTIAL
(57)
RIVERSIDE RECOVERY SERVICE, LLC
0.781 AC. (DEED)
O.R. 1714, P. 549
66-02648.000
0.7805 AC. (AUDITOR)
199 MANSFIELD AVE.
MOUNT VERNON, OH 43050

Ex SH

CLINTON RD (T.R. 390)

5/8" IRON REBAR
"TRACY AND MILLS"
STA 38+29.91, 210.18' LT

3/4" IRON PIPE
STA 38+28.64, 150.23' LT

RESIDENTIAL
(61)
NICHOLAS E. ZARLEY
O.R. 1792, P. 619
66-05037.000
0.1653 AC. (AUDITOR)
201 MANSFIELD AVE.
MOUNT VERNON, OH 43050

LOT 1
CLINTONVILLE SUB-DIVISION
P.C. A, P. 119

66-05038.000
0.1653 AC. (AUDITOR)
MANSFIELD AVE.
MOUNT VERNON, OH 43050

LOT 2

RESIDENTIAL
(63)
RHONDA L. STATLER
D.B. 391, P. 278
O.R. 1578, P. 167
66-05820.000
0.1653 AC. (AUDITOR)
203 MANSFIELD AVE.
MOUNT VERNON, OH 43050

LOT 31

66-05821.000
0.1653 AC. (AUDITOR)
MANFIELD AVE.
MOUNT VERNON, OH 43050

LOT 32

Ex R/W

FEARN AVE (50')

5/8" IRON REBAR
STA 41+18.35, 149.96' LT

RESIDENTIAL
(65)
MICHAEL J. SHIRE
D.B. 507, P. 822
66-03956.000
0.1653 AC. (AUDITOR)
MANSFIELD AVE.
MOUNT VERNON, OH 43050

LOT 33

MATCH LINE STA. 135+00.00

N 08°07'37" E, 81.83'
+28.40
33.03' LT.
TMP
N 01°23'29" W, 42.75'
+71.01
36.60' LT.
S 03°23'33" W, 127.53'
136
+70.86
30.00' LT.
S 85°20'27" E, 6.60'
57-T

+26.09
40.00' LT.
N 85°20'27" W, 10.00'
N 03°23'33" E, 119.86'
+25.87
30.00' LT.
137
3/4" IRON PIPE
STA 38+25.88, 30.28' LT
61-SH
S 03°23'33" W, 119.88'
S 85°27'51" E, 10.00'
℄ PR SHARED USE PATH

+45.96
40.00' LT.
3/4" IRON PIPE
STA 39+45.87, 29.76' LT
N 03°23'33" E, 119.89'
138
+45.76
30.00' LT.
S 03°23'33" W, 119.88'
63-SH

S 85°24'24" E, 10.00'
CONST LIMITS
+65.85
40.00' LT.
+65.64
30.00' LT.
139

+15.86
40.00' LT.
N 85°24'24" W,
10.00'
5/8" IRON REBAR
"TRACY AND MILLS"
STA 41+15.65, 30.11' LT
N 03°23'33" E,
119.95'
+15.65
30.00' LT.
S 03°23'33" W,
119.96'
65-SH

MATCH LINE STA. 140+00.00

37 38 39 40 41

MANSFIELD AVE (60')
N03°23'33"E, 1,153.23'

CONST LIMITS

℄ EX R/W OF MANSFIELD AVE

STA 37+95.20 ℄ EX R/W MANSFIELD AVE =
STA 0+00.00 ℄ EX R/W CLINTON RD

STA 40+90.02 ℄ EX R/W MANSFIELD AVE =
STA 0+00.00 ℄ EX R/W FEARN AVE

STA 40+95.74 ℄ EX R/W MANSFIELD AVE =
STA 0+00.00 ℄ EX R/W LONGITUDE DR

5/8" IRON REBAR
"VANCE PS7922"
STA 41+45.33, 29.90' RT

Ex SH — Ex SH — Ex SH — Ex R/W

3/4" IRON PIPE
"VANCE PS6553"
STA 37+92.20, 29.65' RT

3/4" IRON PIPE
"RICHLAND ENG PS4939"
STA 39+25.18, 29.82' RT

TOWNSHIP OF MORRIS
CITY OF MOUNT VERNON
Ex SH

RESIDENTIAL
(59)
JESSICA SHAW
JACOB SHAW
1.164 AC. (DEED)
O.R. 1858, P. 157
66-09852.000
1.164 AC. (AUDITOR)
200 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL
(60)
JUSTIN LYN SMITH
CASSIE LEE SHEETS VILFER
0.805 AC. (DEED)
O.R. 1029, P. 964
O.R. 1700, P. 824
66-09852.001
0.805 AC. (AUDITOR)
202 MANSFIELD AVE.
MOUNT VERNON, OH 43050

LOT 38

RESIDENTIAL
(62)
KERRY B. KING
SANDRA K. KING
O.R. 1796, P. 459
66-09853.039
0.332 AC. (AUDITOR)
2 LONGITUDE DR.
MOUNT VERNON, OH 43050

3/4" IRON REBAR
"RICHLAND ENG PS4939"
STA 40+46.97, 152.79' RT

Ex R/W

LONGITUDE DR (60')

RESIDENTIAL
(64)
COREY SHELLER
MARLEY LANG
O.R. 1925, P. 71
66-09853.002
0.366 AC. (AUDITOR)
1 LONGITUDE DR.
MOUNT VERNON, OH 43050

LOT 1
COMPASS POINTE
P.C. B, P. 143

NOTE:
MATCH LINE STATIONING IS BASED ON THE ℄ PR SHARED USE PATH.

REV. BY	DATE	DESCRIPTION

DATE COMPLETED: 7/14/2023

DESIGN AGENCY
EMH&T

DESIGNER: BLM
REVIEWER: JMM
PROJECT ID: 115280
SUBSET: RW.26 TOTAL: RW.28
SHEET TOTAL:

KNO-CR5-0.47

MODEL: RB008 - Sheet PAPERSIZE: 17x11 (in.) DATE: 9/18/2023 TIME: 2:19:00 PM USER: bmccutchen
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KNOX COUNTY
MORRIS TOWNSHIP
CITY OF MOUNT VERNON
SEC. 22, Q.T. 4, T. 7 N., R. 13 W.
UNITED STATES MILITARY DISTRICT

HORIZONTAL SCALE IN FEET
0 10 20 40

RESIDENTIAL (65)
MICHAEL J. SHIRE
D.B. 507, P. 822
66-03957.000
0.1653 AC. (AUDITOR)
301 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (67)
RENDA L. WILSON
O.R. 1646, P. 952
66-06668.000
0.1653 AC. (AUDITOR)
305 MANSFIELD AVE.
MOUNT VERNON, OH 43050

66-06669.000
0.1653 AC. (AUDITOR)
305 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (69)
SCOTT M. WHITE
NICOLE L. BUMPUS
O.R. 864, P. 71
66-03580.000
0.1653 AC. (AUDITOR)
1 GRANGE AVE.
MOUNT VERNON, OH 43050

66-03581.000
0.1102 AC. (AUDITOR)
GRANGE AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (70)
JERRY SCOTT
0.411 AC. (DEED)
O.R. 1684, P. 52
66-03971.000
0.4105 AC. (AUDITOR)
405 OLD MANSFIELD RD.
MOUNT VERNON, OH 43050

RESIDENTIAL (72)
ASHCRAFT PROPERTIES, LLC
TRACT TWELVE
PARCEL FOUR
0.44 AC. (DEED)
O.R. 781, P. 710
54-00556.000
0.44 AC. (AUDITOR)
MANSFIELD RD.
MOUNT VERNON, OH 43050

LOT 33 | LOT 34 | LOT 65 | LOT 66 CLINTONVILLE SUB-DIVISION P.C. A, P. 119 | LOT 67 | LOT 68

1 STY FRAME | 1 STY BRICK | 1 STY FRAME | 1 STY FRAME

GRANGE AVE (50')

CITY OF MOUNT VERNON
TOWNSHIP OF MORRIS

MATCH LINE STA. 140+00.00

EX WATER VALVE (ATG)
PR UTILITY POLE
EX UTILITY POLE (TBRL)
EX 4' CHAINLINK FENCE (DND)
EX 4' CHAINLINK FENCE (10', TBR)
EX GAS MARKER (TBRL)
EX SIGNS (TBRL)
EX SAN MH (DND)
EX UTILITY POLE & GUY WIRE (TBRL)
EX WATER METER (DND)
SHED
+66.87 ℄ RES DRIVE 10' GRAVEL/CONC
POT STA 144+58.31 ± (DND)
EX UTILITY POLE (DND)
EX SIGN (DND)

65-SH | 67-SH | 69-T

SAVE | SH | Ex R/W | Ex SH | OH-Comb | SAN | PR 10' CONC SUP | 12" TYPE B | PR DITCH | PR CB

141 | 142 | 143 | 144

EX DITCH | EX EOP | EX 3.5" PVC (TBR) | CONST LIMITS | ℄ PR SHARED USE PATH | N03°23'33"E, 1,153.23' | EX WATER VALVES (DND) | MANSFIELD AVE (60') | ℄ EX R/W OF MANSFIELD AVE | EX MAILBOX (DND) | *EX SIGN (DND) | *EX POSTS (8) (DND) | EX CB (DND) | *EX LANDSCAPING (DND) | EX UTILITY POLE (DND) | EX 3' CONC WALK (DND)

42 | 43 | 44 | 45 | 46

END R/W ACQUISITION
MANSFIELD AVE
STA. 44+24.24

EX SEPTIC TANK (DND)
EX WATER METER (DND)
EX STONE WALL (DND)
1.5 STY FRAME
EX UTILITY POLE &GUY WIRES (DND)
+56.23 ℄ RES DRIVE 27' GRAVEL
+08.15 ℄ RES DRIVE 19' GRAVEL
+45.06 ℄ RES DRIVE 19' GRAVEL

2 STY FRAME

RESIDENTIAL (64)
COREY SHELLER
MARLEY LANG
O.R. 1925, P. 71
66-09853.002
0.366 AC. (AUDITOR)
1 LONGITUDE DR.
MOUNT VERNON, OH 43050

LOT 1
COMPASS POINTE
P.C. B, P. 143

GARAGE

RESIDENTIAL (66)
ROBIN A. SMITH
4.541 AC. (DEED)
O.R. 1688, P. 387
54-00913.000
4.541 AC. (AUDITOR)
306 MANSFIELD AVE.
MOUNT VERNON, OH 43050

COMMERCIAL (68)
TRUSTEES OF THE GRACE BRETHREN CHURCH
1.017 AC. (DEED)
D.B. 414, P. 286
54-50031.000
1.017 AC. (AUDITOR)
12426 OLD MANSFIELD RD.
MOUNT VERNON, OH 43050

1 STY FRAME

COMMERCIAL (71)
GRACE BRETHREN CHURCH
5.005 AC. (DEED)
D.B. 427, P. 871
54-50039.000
5.005 AC. (AUDITOR)
OLD MANSFIELD RD.
MOUNT VERNON, OH 43050

* DENOTES R/W ENCROACHMENT

NOTE:
SEE BOUNDARY SHEETS FOR MONUMENT AND ℄ INTERSECTION STATIONS AND OFFSETS.

NOTE:
MATCH LINE STATIONING IS BASED ON THE ℄ PR SHARED USE PATH.

REV. BY	DATE	DESCRIPTION

DATE COMPLETED: 7/14/2023

RIGHT OF WAY TOPO SHEET
STA 140+00.00 TO STA 144+58.20

DESIGN AGENCY: EMH&T
DESIGNER: BLM
REVIEWER: JMM
PROJECT ID: 115280
SUBSET: RW.27
TOTAL: RW.28
SHEET:
TOTAL:

KNO-CR5-0.47

MODEL: RT009 - Sheet PAPERSIZE: 17x11 (in.) DATE: 4/5/2024 TIME: 1:50:34 PM USER: bmccutchen
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KNOX COUNTY
MORRIS TOWNSHIP
CITY OF MOUNT VERNON
SEC. 22, Q.T. 4, T. 7 N., R. 13 W.
UNITED STATES MILITARY DISTRICT

HORIZONTAL SCALE IN FEET
0 10 20 40

RESIDENTIAL (65)
MICHAEL J. SHIRE
D.B. 507, P. 822
66-03957.000
0.1653 AC. (AUDITOR)
301 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (67)
RENDA L. WILSON
O.R. 1646, P. 952
66-06668.000
0.1653 AC. (AUDITOR)
305 MANSFIELD AVE.
MOUNT VERNON, OH 43050

66-06669.000
0.1653 AC. (AUDITOR)
305 MANSFIELD AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (69)
SCOTT M. WHITE
NICOLE L. BUMPUS
O.R. 864, P. 71
66-03580.000
0.1653 AC. (AUDITOR)
1 GRANGE AVE.
MOUNT VERNON, OH 43050

66-03581.000
0.1102 AC. (AUDITOR)
GRANGE AVE.
MOUNT VERNON, OH 43050

RESIDENTIAL (70)
JERRY SCOTT
0.411 AC. (DEED)
O.R. 1684, P. 52
66-03971.000
0.4105 AC. (AUDITOR)
405 OLD MANSFIELD RD.
MOUNT VERNON, OH 43050

RESIDENTIAL (72)
ASHCRAFT PROPERTIES, LLC
TRACT TWELVE
PARCEL FOUR
0.44 AC. (DEED)
O.R. 781, P. 710
54-00556.000
0.44 AC. (AUDITOR)
MANSFIELD RD.
MOUNT VERNON, OH 43050

LOT 33 | LOT 34 | LOT 65 | LOT 66 CLINTONVILLE SUB-DIVISION P.C. A, P. 119 | LOT 67 | LOT 68

GRANGE AVE (50')

CITY OF MOUNT VERNON
TOWNSHIP OF MORRIS

MATCH LINE STA. 140+00.00

+35.81 40.00' LT.
S 85°27'51" E, 10.00'
N 03°23'33" E, 119.95'
3/4" IRON PIPE
STA 42+42.66, 29.88' LT
N 03°23'33" E, 120.00'
S 85°27'51" E, 10.00'
+55.81 40.00' LT.
+05.71 35.00' LT.
N 03°23'33" E, 7.00'
+12.71 35.00' LT.
N 26°50'21" E, 12.57'
N 85°27'51" W, 5.00'
5/8" IRON REBAR
STA 46+11.71, 29.78' LT
S 03°23'33" W, 119.96'
S 03°23'33" W, 120.00'
+55.61 30.00' LT.
+05.61 30.00' LT.
+24.24 30.00' LT.
S 03°23'33" W, 18.63'
+35.61 30.00' LT.
℄ PR SHARED USE PATH
65-SH
67-SH
69-T
SH
Ex R/W
Ex SH
140 141 142 143 144

42 43 44 45 46

CONST LIMITS

MANSFIELD AVE (60')
N03°23'33"E, 1,153.23'
℄ EX R/W OF MANSFIELD AVE

STA 43+80.01 ℄ EX R/W MANSFIELD AVE =
STA 0+00.00 ℄ EX R/W GRANGE AVE

5/8" IRON REBAR
STA 42+29.36, 29.92' RT
5/8" IRON REBAR
ILLEGIBLE CAP
STA 43+66.72, 34.28' RT
1" IRON PIPE
STA 45+75.46, 32.65' RT

RESIDENTIAL (64)
COREY SHELLER
MARLEY LANG
O.R. 1925, P. 71
66-09853.002
0.366 AC. (AUDITOR)
1 LONGITUDE DR.
MOUNT VERNON, OH 43050

LOT 1
COMPASS POINTE
P.C. B, P. 143

RESIDENTIAL (66)
ROBIN A. SMITH
4.541 AC. (DEED)
O.R. 1688, P. 387
54-00913.000
4.541 AC. (AUDITOR)
306 MANSFIELD AVE.
MOUNT VERNON, OH 43050

COMMERCIAL (68)
TRUSTEES OF THE GRACE
BRETHREN CHURCH
1.017 AC. (DEED)
D.B. 414, P. 286
54-50031.000
1.017 AC. (AUDITOR)
12426 OLD MANSFIELD RD.
MOUNT VERNON, OH 43050

COMMERCIAL (71)
GRACE BRETHREN CHURCH
5.005 AC. (DEED)
D.B. 427, P. 871
54-50039.000
5.005 AC. (AUDITOR)
OLD MANSFIELD RD.
MOUNT VERNON, OH 43050

NOTE:
MATCH LINE STATIONING IS BASED ON THE ℄ PR SHARED USE PATH.

REV. BY	DATE	DESCRIPTION

DATE COMPLETED: 7/14/2023

RIGHT OF WAY BOUNDARY SHEET
STA 140+00.00 TO STA 144+58.31

DESIGN AGENCY: EMH&T
DESIGNER: BLM
REVIEWER: JMM
PROJECT ID: 115280
SUBSET: RW.28 | TOTAL: RW.28
SHEET | TOTAL

KNO-CR5-0.47

MODEL: RB009 - Sheet PAPERSIZE: 17x11 (in.) DATE: 9/18/2023 TIME: 2:19:05 PM USER: bmccutchen
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