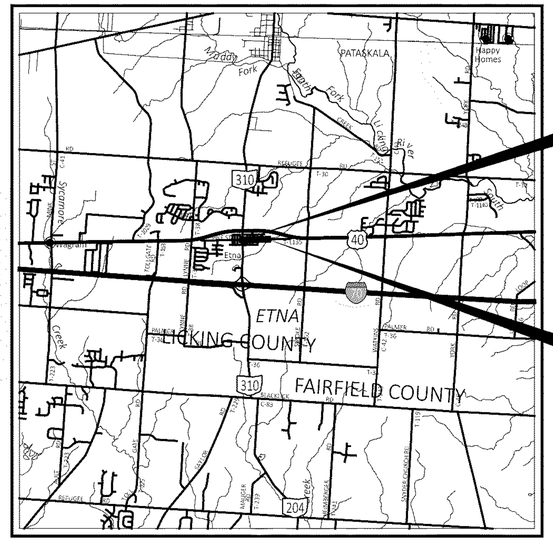
STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

LIC TR 1135 0.58

LICKING COUNTY

ETNA TOWNSHIP



BEGIN PROJECT
STA 40+22.89

E459 (011)

END PROJECT
STA 63+95.36

E459 (011)

LOCATION MAP

LATITUDE: 39°57'27" LONGITUDE: 82°40'44"

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

DESIGN DESIGNATION

CURRENT ADT (20)
DESIGN YEAR ADT (20)
DESIGN HOURLY VOLUME (20)
DIRECTIONAL DISTRIBUTION
TRUCKS (24 HOUR B&C)
DESIGN SPEED 35 MPH
LEGAL SPEED 35 MPH
DESIGN FUNCTIONAL CLASSIFICATION:
MAJOR COLLECTOR
NHS PROJECT NO

DESIGN EXCEPTIONS

NONE

ADA DESIGN WAIVERS

NONE

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:

verdantas
1555 WEST MAIN ST TEL. 740.344.5451
NEWARK, OH 43055 FAX 614.360.0023

INDEX OF SHEETS:

TITLE SHEET	*P.01*
SCHEMATIC PLAN	*P.02*
TYPICAL SECTION	*P.03 - P.04*
GENERAL NOTES	*P.05 - P.07*
MAINTENANCE OF TRAFFIC PLAN	*P.08 - P.11*
GENERAL SUMMARY	*P.12 - P.14*
SUBSUMMARIES	*P.15 - P.23*
PROJECT SITE PLAN	*P.24*
PLAN AND PROFILE	*P.25 - P.29*
CROSS SECTIONS	*P.30 - P.64*
INTERSECTION DETAILS	*P.65 - P.71*
DRIVEWAY PROFILES	*P.72 - P.77*
DRIVEWAY DETAILS	*P.78 - P.82*
STORM SEWER PROFILES	*P.83 - P.86*
WATER WORKS	*P.87 - P.91*
CARRIAGE WALK DETAILS	*P.92 - P.93*
STAIR DETAILS	*P.94*
MISCELLANEOUS DETAILS	*P.95 - P.97*
TRAFFIC CONTROL PLAN	*P.98 - P.101*
RETAINING WALL DETAILS	*P.102*
LIGHTING PLAN	*P.103 - P.108*
APPENDIX A (LANDSCAPE PLAN)	*L1 - L6*
SOIL PROFILE SHEETS	

FEDERAL PROJECT NUMBER

E459 (011)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

ROADWAY RECONSTRUCTION OF PIKE STREET (TR 1135) FROM JUST EAST OF SR 310 TO ETNA UNITED METHODIST CHURCH. WORK TO INCLUDE IMPROVED ROADWAY WITH SIDEWALK AND SHARED USE PATH ALONG WITH DRAINAGE, LIGHTING AND CROSSWALKS.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	*4.50 ACRES*
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	*0.25 ACRES*
NOTICE OF INTENT EARTH DISTURBED AREA:	*4.75 ACRES*

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

APPROVED _____

DATE _____ *PRESIDENT, ETNA TOWNSHIP BOARD OF TRUSTEES*

APPROVED _____

DATE _____ *SECRETARY, LICKING COUNTY TID*

STANDARD CONSTRUCTION DRAWINGS

BP-3.1	*1/19/24*	*RM-2.1*	*7/19/13*	*MT-101.60*	*1/17/25*			*800-2023*	*4/16/26*
BP-4.1	*7/19/13*	*RM-5.2*	*7/19/24*	*MT-101.90*	*7/17/20*			*825*	*4/21/23*
BP-5.1	*1/17/25*	*RM-7.1*	*7/18/14*	*MT-103.10*	*1/21/22*			*832*	*7/21/23*
BP-7.1	*1/17/25*			*MT-105.10*	*1/17/20*			*895*	*4/18/14*
		WQ-1.1	*7/21/23*	*MT-110.10*	*7/19/13*			*913*	*4/16/21*
CB-3A	*7/19/24*	*WQ-1.2*	*1/15/16*					*916*	*7/21/23*
				TC-41.20	*10/18/13*			*995*	*7/17/15*
DM-1.1	*1/17/25*	*HL-10.11*	*7/21/23*	*TC-41.30*	*4/21/23*				
DM-1.2	*1/17/25*	*HL-10.12*	*7/21/23*	*TC-42.10*	*10/18/13*				
DM-4.3	*1/15/16*	*HL-10.13*	*1/20/23*	*TC-42.20*	*10/18/13*				
DM-4.4	*1/15/16*	*HL-30.11*	*7/21/23*	*TC-71.10*	*4/21/23*				
		HL-30.22	*1/17/25*	*TC-74.10*	*7/21/23*				
LA-1.1	*10/15/10*	*HL-40.20*	*1/17/25*						
LA-1.2	*1/17/25*	*HL-60.11*	*7/21/17*						
		HL-60.12	*7/21/23*						
MH-3	*7/19/24*	*HL-60.31*	*7/19/24*						

SUPPLEMENTAL SPECIFICATIONS

SPECIAL PROVISIONS

ENGINEER'S SEAL

ROADWAY
VERDANTAS

STAGE 3 PLANS

PRELIMINARY DRAWINGS NOT FOR CONSTRUCTION

THESE DRAWINGS ARE FOR REVIEW ONLY

PLOTTED DATE: *05/16/2025*

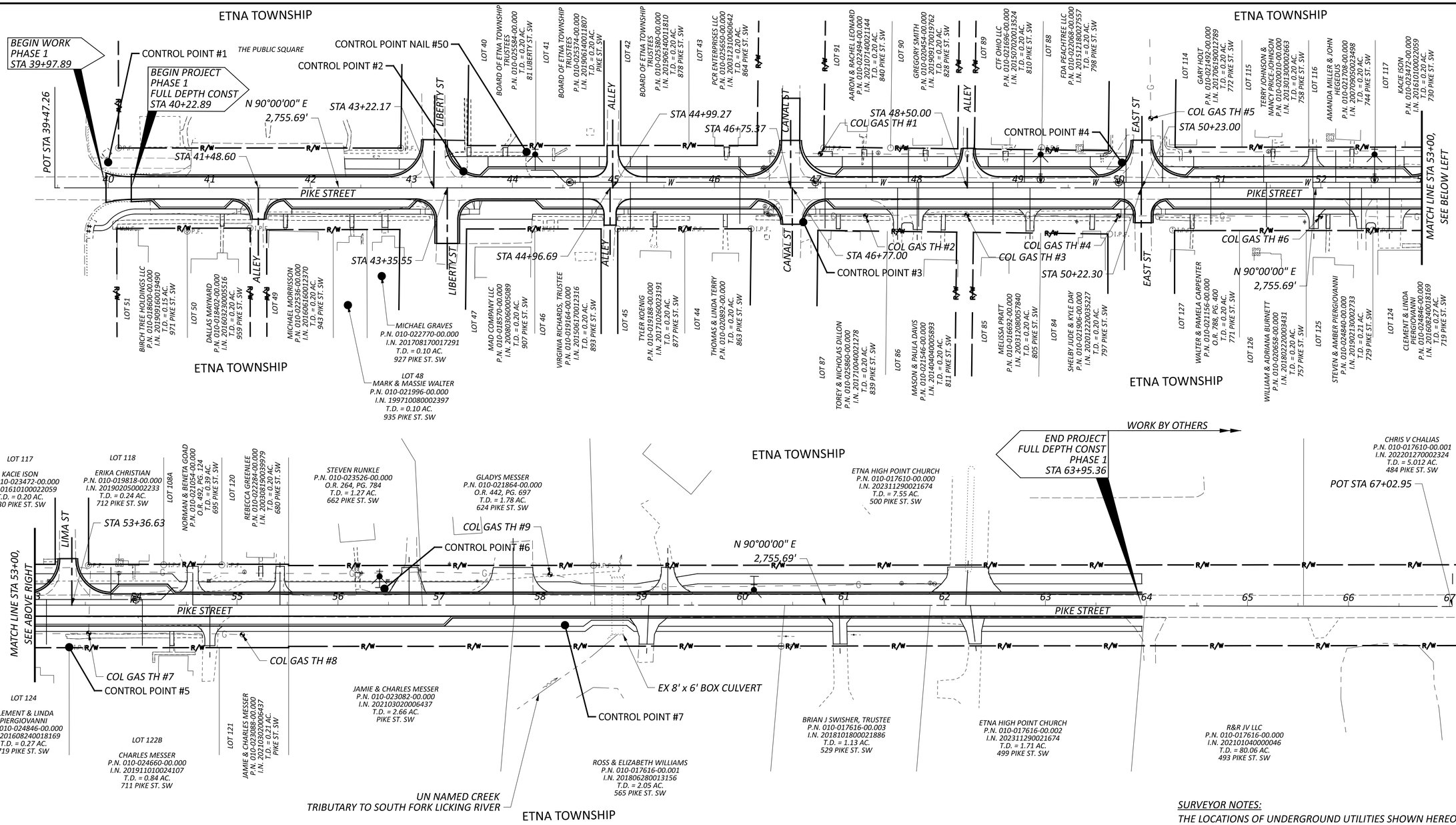
TITLE SHEET

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OHIO 43055
TEL: 740.344.5451
FAX 614.360.0023

DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET P.01 TOTAL P.108

LIC-TR1135-0.58

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 5/20/2025 TIME: 2:01:08 PM USER: morr
F:\Clients\Active\LCTILCT002\119487\400-Engineering\Roadway\Sheets\119487_GT001.dgn



HORIZONTAL SCALE IN FEET
0 50 100

SCHEMATIC PLAN

COLUMBIA GAS TEST HOLE (TH) INFORMATION - PROVIDED BY COLUMBIA GAS 02-27-2025

Test Hole	Pipe Size & Type	Station	Offset		Grade at Testhole	Top of Pipe	Depth in Feet	Depth in Inches	Surface
			Left	Right					Conc,Asph,Dirt…
TH# 1	3" BSIP	47+05	33.8'		1055.87	1054.45	1.42	17.03	DIRT
TH# 2	3" BSIP	47+50		27.7'	1055.22	1053.39	1.84	22.06	DIRT
TH# 3	3" BSIP	48+50		26.8'	1052.88	1051.17	1.71	20.47	DIRT
TH# 4	3" BSIP	50+00		27.7'	1048.85	1047.27	1.58	18.94	DIRT
TH# 5	3" BSIP	50+32	68.7'		1048.39	1045.73	2.66	31.92	DIRT
TH# 6	3" BSIP	52+00		28.4'	1044.12	1042.23	1.89	22.74	DIRT
TH# 7	3" BSIP @ TEE	53+53		27.8'	1041.15	1038.83	2.31	27.77	DIRT
TH# 8	2" BSIP	55+05		29.3'	1037.88	1034.73	3.15	37.81	DIRT
TH# 9	2" BSIP	58+10	30.2'		1033.51	1030.41	3.10	37.22	DIRT

CONTROL POINTS:

BASIS OF BEARING: TRUE NORTH, BASED ON OBSERVATIONS, GPS DATA COLLECTED WITH TRIMBLE R8 UNIT VRS CORRECTION ON OHIO STATE PLANE SOUTH ZONE COORDINATE SYSTEM, NAD 1983, NAVD 198 GEOID 12A.

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	712974.741	1917323.192	1061.64	CNPT IPIN
2	712972.508	1917674.883	1058.32	CNPT IPIN
3	712928.851	1918012.173	1057.02	CNPT IPIN
4	712993.804	1918326.264	1048.76	CNPT IPIN
5	712933.551	1918658.283	1040.3	CNPT IPIN
6	713003.303	1918964.261	1035.36	CNPT IPIN
7	712964.886	1919148.361	1032.76	CNPT IPIN
50	712992.957	1917736.989	1058.58	CNPT IPIN

SURVEYOR NOTES:

THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON ABOVE GROUND STRUCTURES AND RECORD DRAWINGS PROVIDED TO THE SURVEYOR. LOCATIONS OF UNDERGROUND UTILITIES/STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREON. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED. NO EXCAVATIONS WERE MADE DURING THE PROGRESS OF THIS SURVEY TO LOCATE BURIED UTILITIES/STRUCTURES.

SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED AS A PART OF THIS SURVEY. NO STATEMENT IS MADE CONCERNING THE EXISTENCE OF UNDERGROUND OR OVERHEAD CONTAINERS OR FACILITIES THAT MAY AFFECT THE USE OR DEVELOPMENT OF THIS TRACT.

BASIS OF BEARINGS:

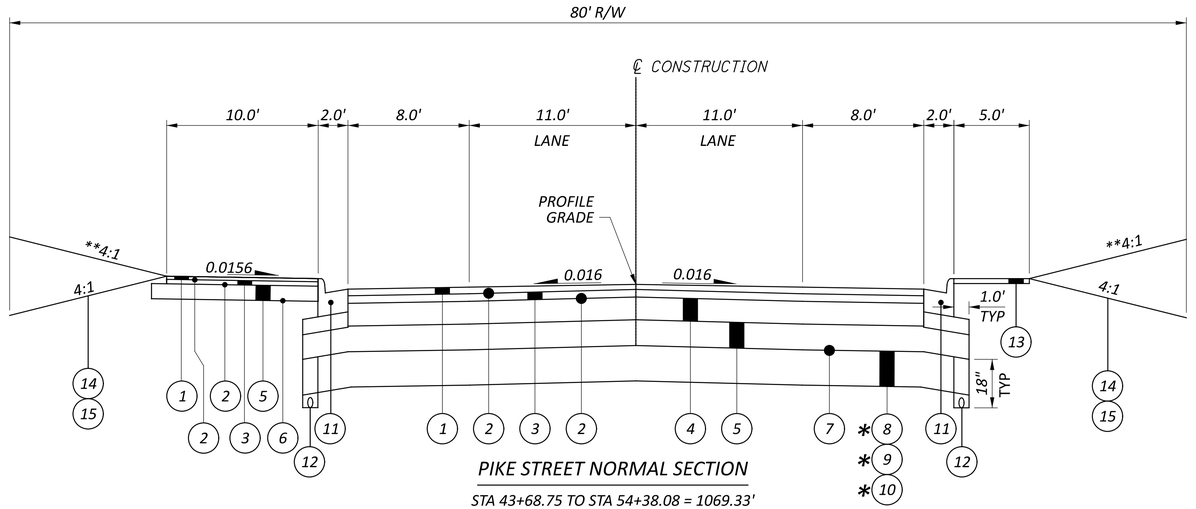
THE BEARINGS SHOWN HEREIN ARE BASED ON OHIO STATE PLANE COORDINATE SYSTEM. SOUTH SYSTEM, NAD83, GEOID12A.

DESIGN AGENCY
verdantas
1550 WEST MAIN STREET
MARION, OH 43302
TEL: 740.244.4433
FAX: 614.300.0023

DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET P.02 TOTAL P.108

LIC-TR1135-0.58

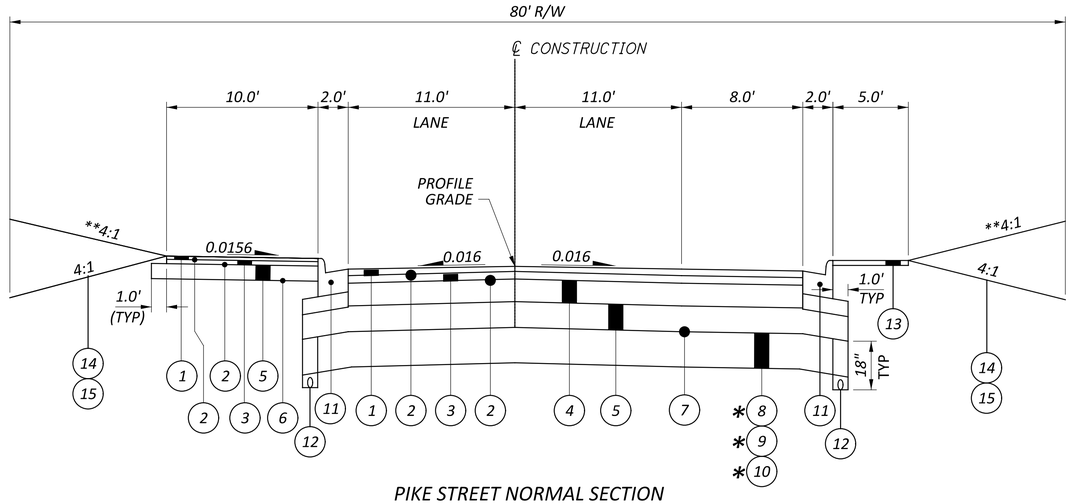
MODEL: Sheet_SurvPl PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:12:00 AM USER: morr
F:\Clients\Active\LCTLCT002\119487\000-Engineering\Roadway\Sheets\119487_GB002.dgn



PIKE STREET NORMAL SECTION

STA 43+68.75 TO STA 54+38.08 = 1069.33'

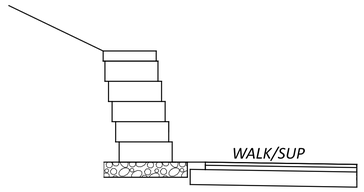
* SEE SHEET P.06 FOR NOTES ON CEMENT STABILIZATION



PIKE STREET NORMAL SECTION

STA 40+22.89 TO STA 43+68.75 = 345.86'
STA 54+38.08 TO STA 57+12.66 = 274.58'

* SEE SHEET P.06 FOR NOTES ON CEMENT STABILIZATION



** A 1FT TO 3FT STACKED STONE RETAINING WALL WILL BE ADDED AS NEEDED TO ENSURE A MINIMUM OF A 4 TO 1 SLOPE . SEE SHEET P.102 AND APPENDIX L6 FOR DETAILS.

LEGEND

1. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (449) PG64-22
2. ITEM 407 - NON-TRACKING TACK COAT (SEE ODOT CMS TABLE 407.06-1 FOR APPLICATION RATE)
3. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449) PG64-22
4. ITEM 301 - 8" ASPHALT CONCRETE BASE
5. ITEM 304 - 6" AGGREGATE BASE (LIMESTONE)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP
9. ITEM 206 - CEMENT (5%)
10. ITEM 206 - CURING COAT
11. ITEM 609 - COMBINATION CURB & GUTTER, TYPE 2 (2.0')
12. ITEM 605 - 4" BASE PIPE UNDERDRAIN (BACKFILL WITH NO. 8 STONE)
13. ITEM 608 - 4" CONCRETE WALK
14. ITEM 659 - SEEDING AND MULCHING, TYPE 1
15. ITEM 659 - 4" TOPSOIL
16. ITEM 254 - PAVEMENT PLANING, ASPHALT CONRETE (3")

- A. 5" - 7"± EX ASPHALT PAVEMENT
- B. 4"± EX BRICK PAVEMENT
- C. 6"± EX CONCRETE PAVEMENT

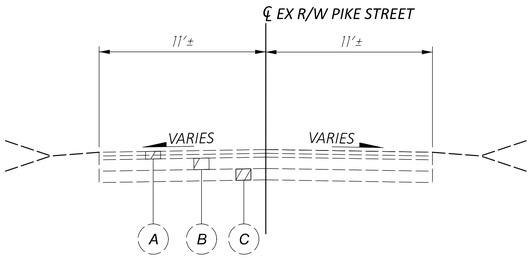
TYPICAL SECTION

LIC-TR1135-0.58

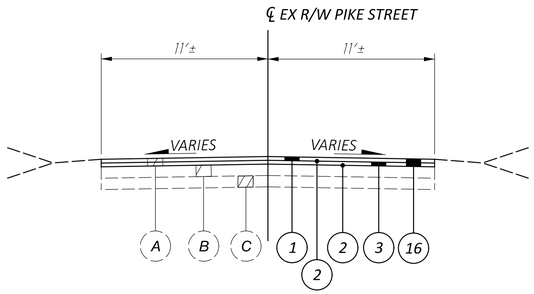
MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:12:05 AM USER: morr
F:\Clients\Active\LCTL\CT0021\119487\400-Engineering\Roadway\Sheets\119487_GY001.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL 614.360.0023
FAX 614.360.0023

DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET P.03 TOTAL P.108

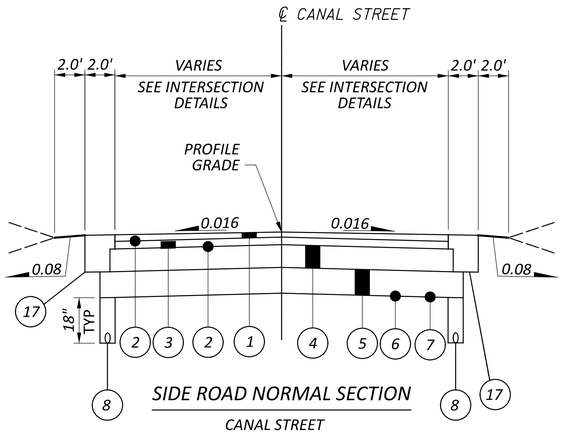


PIKE STREET EXISTING SECTION



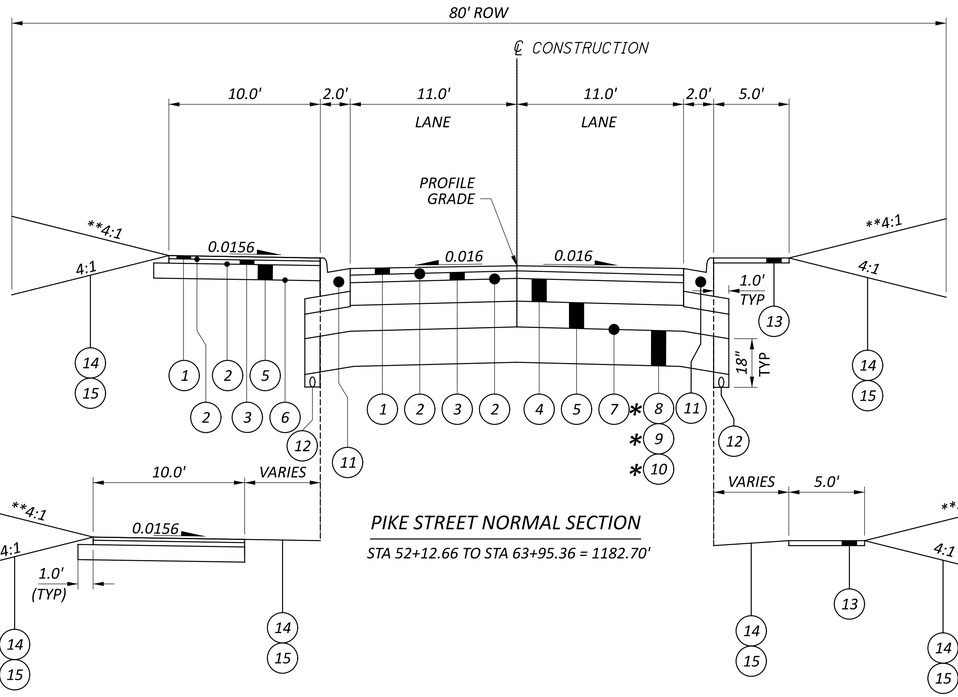
PIKE STREET RESURFACING SECTION

STA 39+97.89 TO STA 40+22.89 = 25.00'



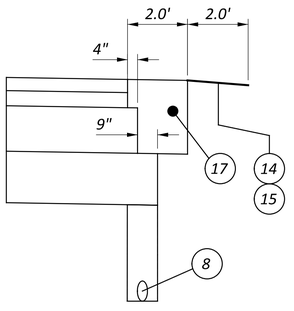
SIDE ROAD NORMAL SECTION

CANAL STREET

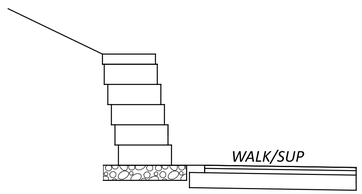


PIKE STREET NORMAL SECTION

STA 52+12.66 TO STA 63+95.36 = 1182.70'



PAVEMENT STEP DETAIL



** A 1FT TO 3FT STACKED STONE RETAINING WALL WILL BE ADDED AS NEEDED TO ENSURE A MINIMUM OF A 4 TO 1 SLOPE . SEE SHEET P.102 AND APPENDIX L6 FOR DETAILS.

✱ SEE SHEET P.06 FOR NOTES ON CEMENT STABILIZATION

✱✱ SUSPEND CEMENT STABILIZATION OVER EXISTING CULVERT AT APPROXIMATELY 58+75

LEGEND

1. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (449) PG64-22
2. ITEM 407 - NON-TRACKING TACK COAT (SEE ODOT CMS TABLE 407.06-1 FOR APPLICATION RATE)
3. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449) PG64-22
4. ITEM 301 - 8" ASPHALT CONCRETE BASE
5. ITEM 304 - 6" AGGREGATE BASE (LIMESTONE)
6. ITEM 204 - SUBGRADE COMPACTION
7. ITEM 204 - PROOF ROLLING
8. ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP
9. ITEM 206 - CEMENT (5%)
10. ITEM 206 - CURING COAT
11. ITEM 609 - COMBINATION CURB & GUTTER, TYPE 2 (2.0')
12. ITEM 605 - 4" BASE PIPE UNDERDRAIN (BACKFILL WITH NO. 8 STONE)
13. ITEM 608 - 4" CONCRETE WALK
14. ITEM 659 - SEEDING AND MULCHING, TYPE 1
15. ITEM 659 - 4" TOPSOIL
16. ITEM 254 - PAVEMENT PLANING, ASPHALT CONRETE (3")
17. ITEM 617 - 12" COMPACTED AGGREGATE
- A. 5" - 7"± EX ASPHALT PAVEMENT
- B. 4"± EX BRICK PAVEMENT
- C. 6"± EX CONCRETE PAVEMENT

TYPICAL SECTION

LIC-TR1135-0.58

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:12:06 AM USER: morr
F:\Clients\Active\LCTILCT0025119487\400-Engineering\Roadway\Sheets\119487_GY002.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
PHONE: 614.360.0023
FAX: 614.360.0023

DESIGNER MRO

REVIEWER SRH 05/16/25

PROJECT ID 119487

SHEET P.04 TOTAL P.108

SPECIFICATIONS

THE CURRENT REQUIREMENTS OF ETNA TOWNSHIP, THE CONSTRUCTION AND MATERIALS SPECIFICATIONS OF THE OHIO DEPARTMENT OF TRANSPORTATION, INCLUDING ALL SUPPLEMENTS THERETO, AS WELL AS THE MANUFACTURERS RECOMMENDATIONS FOR INSTALLATION SHALL GOVERN THE MATERIALS AND WORKMANSHIP TO COMPLETE THE IMPROVEMENTS SET FORTH IN THESE PLANS. ALL WATER AND SANITARY SEWER CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE MOST CURRENT VERSION OF THE LICKING REGIONAL WATER DISTRICT CONSTRUCTION MATERIAL SPECIFICATIONS.

UTILITIES

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

SANITARY & WATER:
LICKING REGIONAL WATER DISTRICT
69 ZELLERS LANE
ETNA, OH 43062
740-927-0410
CHRISTOPHER GILCHER
cgilcher@lickingregionalwater.gov

COMMUNICATIONS:
CHARTER COMM (SPECTRUM)
3760 INTERCHANGE DRIVE
COLUMBUS, OHIO 43204
614-481-5262
dl-moh-construction-frelo-team@charter.com
rick.ives@charter.com

COMMUNICATIONS:
AT&T
160 NORTH SIXTH STREET
ZANESVILLE, OH 43701
740-454-3552
BARRETT TAMASOVICH
BT2178@att.com

STORM:
LICKING COUNTY ENGINEER
JARED KNERR, P.E, P.S.
20 SOUTH SECOND STREET
NEWARK, OH 43055
740-670-5280
efb@lickingcounty.gov

TELECOMMUNICATIONS:
BRIGHTSPEED
2025 AKRON ROAD
WOOSTER, OH 44691
980-376-1554
xan.rypkema@brightspeed.com
relocations@brightspeed.com

GAS:
ENERGY COOPERATIVE
120 O'NEIL DRIVE
HEBRON, OH 43025
740-641-8751
WILL POLING
wpoling@theenergycoop.com

GAS:
COLUMBIA GAS OF OHIO
3550 JOHNY APPLESEED CT
COLUMBUS, OH 43231
614-813-1402
TARA NEMCIK
TNemcik@nisource.com

ELECTRIC:
AEP (DISTRIBUTION)
38831 STATE ROUTE 7
REEDSVILLE, OH 45772
740-985-3054
CLARKE SAUNDERS
cmsaunders@aep.com

AEP SOLUTION CENTER
(STREET LIGHTING)
1-800-277-2177

CLEARING AND GRUBBING

REMOVE ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING. THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED.

SIZES	NO. TREES	NO. STUMPS	TOTAL
18"	5	0	5
30"	1	0	1
48"	1	0	1
60"	1	0	1

CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 8:00 PM AND 7:00 AM. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS, EVEN THOUGH OTHERWISE SHOWN.

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.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET 2 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: GPS, WITH ODOT VRS CORRECTION
MONUMENT TYPE: (TYPE B) REBARS WITH YELLOW TRAVERSE CAP

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: GEOID 12B

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83 (2011)
ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE, SOUTH ZONE
COMBINED SCALE FACTOR: N/A
ORIGIN OF COORDINATE
SYSTEM: N/A

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

UNITS ARE IN U.S. SURVEY FEET.

ITEM 204 - PROOF ROLLING

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING.

ITEM 204 - PROOF ROLLING 5 HOUR.

SEEDING AND MULCHING

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

659, SOIL ANALYSIS TEST	2	EACH
659, TOPSOIL	406	CU. YD.
659, SEEDING AND MULCHING	3650	SQ. YD.
659, REPAIR SEEDING AND MULCHING	183	SQ. YD.
659, INTER-SEEDING	183	SQ. YD.
659, COMMERCIAL FERTILIZER	0.33	TON
659, LIME	0.75	ACRES
659, WATER	20	M. GAL.

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.

SEEDING AND MULCHING (CONT.)

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.

CROSSINGS 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 SEWER OR UNDERGROUND UTILITY, 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, NOTIFY THE ENGINEER BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, NOTIFY THE ENGINEER BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

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 AS 30 FEET FROM THE EDGE OF PAVEMENT.

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.
USE OF THESE AREAS FOR DISPOSAL OF WASTE MATERIAL AND CONSTRUCTION DEBRIS, EXCAVATION OF BORROW MATERIAL AND PLACEMENT OF PORTABLE PLANTS IS PROHIBITED. THE REQUEST MUST BE APPROVED, IN WRITING, BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA.

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

PART-WIDTH CONSTRUCTION

BECAUSE OF THE NECESSITY TO BUILD THIS PROJECT UNDER TRAFFIC AND TO CONSTRUCT THE FULL PAVEMENT WIDTH IN STAGES, EXERCISE CARE TO PREVENT THE CONSTRUCTION OF A BUTT JOINT IN THE BASE COURSES. LAP LONGITUDINAL JOINTS AS SHOWN ON STANDARD CONSTRUCTION DRAWING BP-3.1.

IRON PINS AND MONUMENTS

THE CONTRACTOR SHALL REFERENCE ALL IRON PINS ANDMONUMENTS BEFORE EXCAVATING AT OR NEAR THEM. IF ANY IRON PINS OR MONUMENTS ARE DESTROYED OR DAMAGED BY THE CONTRACTOR, THEY SHALL BE ACCURATELY REPLACED BY A REGISTERED SURVEYOR EMPLOYED BY THE CONTRACTOR AT THE COMPLETION OF THE PROJECT AND AT NO EXPENSE TO THE TOWNSHIP OR THE PROPERTY OWNER

REVIEW OF DRAINAGE FACILITIES

PRIOR TO THE START OF WORK AND AGAIN BEFORE FINAL ACCEPTANCE, PERFORM AN INSPECTION WITH REPRESENTATIVES OF THE DEPARTMENT, CONTRACTOR AND LOCALS OF ALL EXISTING DRAINAGE FACILITIES THAT ARE TO REMAIN IN SERVICE WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES IS DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION ARE MAINTAINED BY THE DEPARTMENT.

CONFIRM ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES ARE MAINTAINED AND LEFT IN A CONDITION COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. THE CONTRACTOR IS RESPONSIBLE TO CORRECT ANY CHANGE IN THE CONDITION RESULTING FROM THEIR OPERATIONS AS DIRECTED AND APPROVED BY THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

DRAIN TILES / DOWNSPOUTS

ALL DRAIN TILE FOUND DURING CONSTRUCTION ACTIVITIES SHALL BE REPORTED TO THE CITY ENGINEER. ANY DRAIN TILE BROKEN DURING EXCAVATION SHALL BE REPLACED TO ITS ORIGINAL CONDITION, CONNECTED EITHER TO CURB UNDERDRAIN OR STORM SEWER SYSTEM, OR BE DIRECTED TO AN UNOBSTRUCTED OUTLET WITH THE INSTALLATION OF NEW UNDERDRAIN, AS APPROVED BY THE CITY ENGINEER. THE CITY ENGINEER MAY REQUIRE, AT HIS OPTION, TO CONNECT ANY OR ALL DRAIN TILE FOUND ON THIS PROJECT TO OTHER TILE, A STORM SEWER, OR TO AN UNOBSTRUCTED OUTLET. ANY 4" DRAIN TILES SHALL BE REPLACED IN KIND WITH THE EXISTING PIPE MATERIAL. IN NO CASE SHALL THE DRAIN BE CONNECTED TO A SANITARY SEWER OR ALLOWED TO FLOW ONTO A PUBLIC STREET. WHERE THE CITY ENGINEER REQUIRES NEW DRAIN TILE TO BE INSTALLED AS ABOVE, THE COST OF SUCH WORK SHALL BE PAID FOR AT THE UNIT BID PRICE FOR THE FOLLOWING CONTINGENCY QUANTITIES:

611 4" CONDUIT, TYPE E 250 FT.
611 4" CONDUIT, TYPE F 150 FT.

MANUFACTURED WATER QUALITY STRUCTURE

THIS PLAN UTILIZES MANUFACTURED WATER QUALITY STRUCTURES FOR WATER QUALITY TREATMENT. AREAS HAVE BEEN SHOWN IN THE PLANS FOR PLACEMENT OF AN OFF-LINE SYSTEM. PAYMENT FOR THESE DEVICES SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR ITEM 895, MANUFACTURED WATER QUALITY STRUCTURE, TYPE 4.

ENDANGERED BAT HABITAT REMOVAL

THIS PROJECT IS LOCATED WITHIN THE KNOWN 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.

GENERAL NOTES

DESIGN AGENCY
verdantas
555 WEST MAIN STREET
NEWARK, OH 43055
PH. 614.360.2021
FAX 614.360.2020

DESIGNER
MRO
REVIEWER
SRH 05/16/25
PROJECT ID
119487
SHEET P.05 TOTAL P.108

LIC-TR1135-0.58

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:12:08 AM USER: morr
F:\Clients\Active\LCTLCT0002\119487400-Engineering\Roadway\Sheets\119487_GN001.dgn

ITEM SPECIAL - MAILBOX SUPPORT

THIS WORK SHALL CONSIST OF FURNISHING AND ERECTING MAILBOX SUPPORTS AND ANY ASSOCIATED MOUNTING HARDWARE IN ACCORDANCE WITH PLAN DETAILS, AND ATTACHING AN OWNER-SUPPLIED MAILBOX AT LOCATIONS SPECIFIED IN THE PLAN, OR OTHERWISE ESTABLISHED BY THE ENGINEER.

WOOD POSTS SHALL BE NOMINAL 4 INCHES BY 4 INCHES SQUARE OR 4.5 INCHES DIAMETER ROUND, AND CONFORM TO 710.14.

STEEL POSTS SHALL BE NOMINAL PIPE SIZE 2 INCHES I.D., AND CONFORM TO AASHTO M 181.

ALL HARDWARE INCLUDING BUT NOT LIMITED TO PLATES, SCREWS, BOLTS, AND ETC. SHALL BE COMMERCIAL-GRADE GALVANIZED STEEL.

POSTS SHALL BE SET PER THE FIRST PARAGRAPH OF 606.03, AND SHALL IN NO INSTANCE BE ENCASED IN CONCRETE.

SUPPORT HARDWARE SHALL ACCOMMODATE EITHER A SINGLE OR A DOUBLE MAILBOX INSTALLATION, AND NO MORE THAN TWO BOXES MAY BE MOUNTED ON A SINGLE POST.

THE MAILBOX SHALL BE SECURELY AND NEATLY ATTACHED BY THE CONTRACTOR TO THE NEW SUPPORT. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ATTACHMENT HARDWARE (NUTS, BOLTS, PLATES, SPACERS, AND WASHERS) AS NECESSARY TO ACCOMMODATE THE COMPLETE INSTALLATION.

IN THE ABSENCE OF A NEW BOX SUPPLIED BY THE OWNER, THE CONTRACTOR SHALL SALVAGE THE EXISTING BOX AND PLACE IT ON THE NEW SUPPORT. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY BOX DAMAGED BY IMPROPER HANDLING ON HIS PART, AS JUDGED AND DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE LOCAL POST MASTER REGARDING THE TIMING OF THE MOVEMENT OF ANY MAILBOX TO A NEW LOCATION.

PAYMENT UNDER THIS ITEM SHALL BE LIMITED TO FINAL PERMANENT INSTALLATIONS. TEMPORARY INSTALLATIONS SHALL BE IN ACCORDANCE WITH 107.10. HOWEVER, THE SAME MATERIAL AND SIZE LIMITATIONS AS FOR PERMANENT INSTALLATIONS SHALL APPLY.

MAILBOX SUPPORTS, COMPLETE IN PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH, FOR ITEM SPECIAL MAILBOX SUPPORT SYSTEM, (SINGLE) (DOUBLE).

ITEM 624 - MOBILIZATION, AS PER PLAN

IN ADDITION TO THE WORK REQUIRED UNDER ITEM 624 MOBILIZATION, THE FOLLOWING WORK SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR THIS ITEM:

BEFORE ANY WORK BEGINS, THE CONTRACTOR SHALL THOROUGHLY VIDEOTAPE THE PROJECT AREA. THE PURPOSE OF THE VIDEOTAPING IS TO ESTABLISH A BENCHMARK OF THE PRE-CONSTRUCTION CONDITION OF THE PROJECT AREA, ESPECIALLY OF THE SURROUNDING PRIVATE PROPERTY. IN THE EVENT OF AN ADJOINING PROPERTY OWNER MAKES A CLAIM FOR DAMAGES RESULTING FROM THE PERFORMANCE OF THE WORK, THE VIDEOTAPE WILL BE USED TO DETERMINE THE LEGITIMACY OF THAT CLAIM. THE CONTRACTOR SHALL USE DUE DILIGENCE IN PERFORMING THIS OPERATION TO MEET THE STATED PURPOSE. THE VIDEOTAPE SHALL BE IN VHS FORMAT WITH SOUND TO ALLOW THE PERSON OPERATING THE RECORDER TO ADD COMMENTARY AS THE AREA IS RECORDED. THE CONTRACTOR SHALL SUBMIT ONE COPY OF EACH VIDEOTAPE OF THE PROJECT ARE TO THE ENGINEER.

ITEM 202 - STEPS REMOVED

ITEM 202 - STEPS REMOVED SHALL INCLUDE ALL CONCRETE ASSOCIATED WITH THE STEPS INCLUDING ANY PORCHES OR SHORT RUNS OF CONCRETE CONNECTING THE STEPS.

POST OFFICE COORDINATION

ACCESS TO THE ETNA TOWNSHIP POST OFFICE MUST BE MAINTAINED AT ALL TIMES. CONTRACTOR SHALL COORDINATE THE MAILBOX'S TO BE INSTALLED ON THE MAILBOX PAD. THE 12' x5' PAD SHALL BE 6 INCHES THICK. COST FOR THE PAD IS INCLUDED IN THE QUANTITY FOR ITEM 608 - CONCRETE WALK.

ETNA TOWNSHIP OFFICES AND FACILITIES

ACCESS TO THE ETNA TOWNSHIP OFFICES AND FACILITIES MUST BE MAINTAINED AT ALL TIMES. CONTRACTOR SHALL COORDINATE THE VISITOR PARKING AREA WITH TOWNSHIP TRUSTEES

ITEM SPECIAL - DRILLED WATER WELL ABANDONED

DRILLED WATER WELL ABANDONED SHALL FOLLOW ODOT STANDARD DRAWING RM-7.1. CONCRETE CAP SHALL BE 1' BELOW THE BOTTOM OF THE WATER QUALITY STRUCTURE. COST TO COMPLETE THIS WORK SHALL BE PAID UNDER THE CONTRACT PRICE FOR ITEM SPECIAL - DRILLED WATER WELL ABANDONED.

FENCE MISC.; BIKEWAY RAILING

FENCE MISC.; BIKEWAY RAILING SHALL BE PER ODOT STANDARD DRAWING RM-5.2 AND PAID FOR UNDER ITEM 607 - FENCE MISC.; BIKEWAY RAILING.

FENCE LENGTHS

THE LENGHTS OF FENCE SHOWN IN THE PLANS ARE HORIZONTAL DIMENSIONS. MEASUREMENTS OF THE FINAL QUANTITIES WILL BE IN ACCORDANCE WITH ITEM 607.

ITEM 253 - PAVEMENT REPAIR, AS PER PLAN

EX ASPHALT	ITEM 301 - 10"	EX ASPHALT
	ITEM 304 - 4"	

ITEM 253 - DETAIL

ITEM 202 - REMOVAL MISC.: BOULDER/BLOCK REMOVED

BOULDERS/BLOCKS DESIGNATED TO BE REMOVED SHALL BE REMOVED AND DISPOSED OF OFF SITE BY THE CONTRACTOR.

PAYMENT SHALL BE MADE AT THE CONTRACT UNIT PRICE PER EACH AND SHALL INCLUDE ALL LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO REMOVE AND DISPOSE OF.

ITEM 202 - REMOVAL MISC.: POST REMOVED

POSTS DESIGNATED TO BE REMOVED SHALL BE REMOVED AND DISPOSED OF OFF SITE BY THE CONTRACTOR.

PAYMENT SHALL BE MADE AT THE CONTRACT UNIT PRICE PER EACH AND SHALL INCLUDE ALL LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO REMOVE AND DISPOSE OF.

ITEM 661 - PLANTING MISC.: SHREDDED HARDWOOD MULCH FOR TREE
ITEM 661 - PLANTING MISC.: SHREDDED HARDWOOD MULCH FOR BEDS

SHREDDED HARDWOOD MUCH SHALL BE PROVIDED FOR ALL TREES AND PLANTING BEDS. COORDINATE THE COLOR DESIRED WITH ETNA TOWNSHIP PRIOR TO PLACING. SEE DETAILS ON LANDSCAPE SHEET L6 FOR DETAILS. MULCH IN PLANTING BEDS SHALL BE 3" IN DEPTH.

ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

1. DESCRIPTION
THIS WORK SHALL CONSIST OF PULVERIZING AND MIXING THE EXISTING SUBGRADE MATERIAL AND SUBGRADES TO A SPECIFIED LENGTH, WIDTH, DEPTH, AND GRADATION, UPGRADING AND STABILIZING THE PULVERIZED MATERIAL THROUGH BLENDING AND IF NEEDED ADDED VIRGIN AGGREGATE, CEMENT STABILIZERS AS REQUIRED, AND SPREADING AND COMPACTING SAID MIXTURE TO CREATE A STABILIZED BASE COURSE (SBC). IT SHALL INCLUDE ALL MATERIALS, EQUIPMENT, LABOR, TOOLS, AND OTHER INCIDENTALS AS MAY BE REQUIRED TO COMPLETE THE WORK.

2. MATERIALS
FURNISH UNCONTAMINATED MATERIALS OF UNIFORM QUALITY THAT MEET THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS. NOTIFY THE ENGINEER OF THE PROPOSED MATERIAL SOURCES AND OF CHANGES TO MATERIAL SOURCES. THE ENGINEER WILL VERIFY THAT THE SPECIFICATION REQUIREMENTS ARE MET BEFORE THE SOURCES CAN BE USED. THE ENGINEER MAY SAMPLE AND TEST PROJECT MATERIALS AT ANY TIME BEFORE COMPACTION.

A. RECLAIMED MATERIAL. THE PULVERIZED SUBGRADE MATERIAL IN THE ROADWAY (INCLUDING VIRGIN AGGREGATE, IF REQUIRED).

B. PORTLAND CEMENT - CHEMICAL ADMIXTURE. PORTLAND CEMENT SHALL MEET THE REQUIREMENTS OF ODOT ITEM 701.04. THE APPLICATION RATE UTILIZED SHALL BE PER THE MIX DESIGN, OR PER DEFAULT VALUE OF 5%.

C. WATER. FURNISH WATER CONFORMING TO ODOT ITEM 499.

3. MIX DESIGNS

A. THE PULVERIZATION, PASS #1, IS TO BE DONE TO THE SPECIFIED DEPTH BELOW EXISTING GRADE. IF ADDITIONAL MATERIAL WAS PLACED ON THE EXISTING SURFACE PRIOR TO PULVERIZATION, THE MATERIAL SHALL BE REMOVED AND DISPOSED OF.

B. FOLLOWING THE INITIAL PULVERIZATION AND SHAPING/GRADING OPERATION AFTER PASS #1, THE SPECIFIED CEMENT SHALL BE ADDED. STABILIZATION PASS #2 WILL BE TO THE SPECIFIED DEPTH.

DEPTH: 14 INCHES CEMENT: 5%

C. MIXTURE. COMBINE THE PULVERIZED MATERIAL, AGGREGATE, AND CEMENT, MEETING THE REQUIREMENTS SPECIFIED, IN SUCH PROPORTIONS THAT THE BASE COURSE COMPOSITION CONFIRMS TO ODOT #304 OR FINER. MAKE FIELD ADJUSTMENTS TO THE MIX PROPORTIONS UNDER THE GUIDANCE OF THE ENGINEER TO OBTAIN A SATISFACTORY RBC.

4. DRAIN AND MAINTAIN THE WORK ACCORDING TO 203.04A OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS MANUAL. DO NOT OPERATE ANY EQUIPMENT ON THE CHEMICALLY STABILIZED SUBGRADE DURING THE CURING PERIOD. DO NOT ALLOW THE CHEMICALLY STABILIZED SUBGRADE TO FREEZE DURING THE CURE PERIOD. COVER THE COMPLETED CHEMICALLY STABILIZED SUBGRADE WITHIN 60 DAYS.

GENERAL NOTES

MODEL: Sheet_Surv1 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:12:10 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_GN002.dgn

DESIGN AGENCY
verdantas
565 WEST MAIN STREET
NEWARK, OH 43055
TEL: 740.344.5435
FAX 614.4506000

DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET P.06 TOTAL P.108

ITEM 638, FIRE HYDRANT RELOCATED OR ADJUSTED TO GRADE, AS PER PLAN

ALL FIRE HYDRANTS RELOCATED OR ADJUSTED TO GRADE WILL BE REQUIREDTO HAVE ALL SERVICE VALVE BONNET AND VALVE PACKING BOLTS REPLACED WITH 316 STAINLESS STEEL HARDWARE. ALL VALVE BOXES FOR FIRE HYDRANTS RELOCATED OR ADJUSTED TO GRADE SHALL MEET THE LICKING REGIONAL WATER DISTRICT CONSTRUCTION MATERIAL SPECIFICATIONS STANDARD DRAWINGS W-14 FOR NON-TRAFFIC TYPE AND W-15 FOR TRAFFIC TYPE. CONTRACTOR SHALL NOTIFY THE SOUTHWEST LICKING COMMUNITY WATER AND SEWER DISTRICT NO LESS THAN 48 HOURS PRIOR TO EXCAVATION. PAYMENT FOR THIS ITEM SHALL BE MADE AT THE UNIT CONTRACT BID PRICE FOR EACH ITEM FIRE HYDRANT RELOCATED OR ADJUSTED TO GRADE, AS PER PLAN AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO CONSTRUCT THIS ITEM TO THE SATISFACTION OF THE ENGINEER AND THE LICKING REGIONAL WATER DISTRICT.

ITEM 638, VALVE BOX ADJUSTED TO GRADE, AS PER PLAN

ALL MAINLINE VALVES DISTURBED OR WITHIN THE PROJECT PAVEMENT LIMITS WILL BE REQUIRED TO HAVE ALL VALVE BONNET AND VALVE PACKING BOLTS REPLACED WITH 316 STAINLESS STEEL HARDWARE. ALL VALVE BOXES ADJUSTED TO GRADE OR PLACED WITHIN THE PROJECT PAVEMENT LIMITS SHALL MEET THE LICKING REGIONAL WATER DISTRICT CONSTRUCTION MATERIAL SPECIFICATIONS STANDARD DRAWINGS W-14 FOR NON-TRAFFIC TYPE AND W-15 FOR TRAFFIC TYPE. CONTRACTOR SHALL NOTIFY THE LICKING REGIONAL WATER DISTRICT NO LESS THAN 48 HOURS PRIOR TO EXCAVATION. PAYMENT FOR THIS ITEM SHALL BE MADE AT THE UNIT CONTRACT BID PRICE FOR EACH ITEM VALVE BOX ADJUSTED TO GRADE, AS PER PLAN, AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO CONSTRUCT THIS ITEM TO THE SATISFACTION OF THE ENGINEER AND THE LICKING REGIONAL WATER DISTRICT.

ITEM 638, WATER SERVICE RELOCATION, AS PER PLAN

IN THE EVENT THAT AN EXISTING WATER SERVICE MUST BE RELOCATED, IT SHALL BE DONE IN A MANNER WHICH CAUSES MINIMUM INCONVENIENCE TO THE AFFECTED SERVICE. WORK CONCERNING A DISCONNECTION AND RECONNECTION OF EXISTING WATER SERVICES SHALL BE COORDINATED WITH THE DISTRICT. NO SUCH WORK SHALL BEGIN UNTIL THE DISTRICT, THE ENGINEER,AND THE RESIDENTS AFFECTED ARE ALL NOTIFIED OF THE EXTENT, NATURE, AND TIME OF THE ANTICIPATED WORK. THE METHOD SHALL BE PER THE DISTRICT STANDARD DRAWING W-30 AND THE SCHEDULE OF SUCH WORK SHALL BE APPROVED BY THE DISTRICT. THE PIPE SIZE AND MATERIAL SHALL MATCH THAT OF THE EXISTING SERVICES. PAYMENT FOR THIS ITEM SHALL BE MADE AT THE UNIT CONTRACT BID PRICE FOR EACH ITEM WATER SERVICE RELOCATION, AS PER PLAN, AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO CONSTRUCT THIS ITEM TO THE SATISFACTION OF THE ENGINEER AND THE LICKING REGIONAL WATER DISTRICT.

ITEM 638, WATER MAIN LINE RELOCATION, AS PER PLAN

ALL MATERIALS AND CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE CURRENT LICKING REGIONAL WATER DISTRICT CONSTRUCTION MATERIAL SPECIFICATIONS INCLUDING ALL SUPPLEMENTS THERETO. WATER MAIN PIPE SHALL BE PVC PLASTIC PIPE, AWWA C900 DR18. ALL BENDS, JOINT DEFLECTIONS, AND FITTINGS SHALL BE BACKED WITH CONCRETE AND RESTRAINED UTILIZING MECHANICAL JOINT RESTRAINTS ("MEALUG"). BLUE METALLIC FIELD LOCATER TAPE OF SIX (6) INCH WIDTH SHALL SHALL BE PLACED OVER ALL WATER MAINS, WITHIN 12 TO 18 INCHES OF FINISHED GRADE. METALLIC DETECTABLE UNDERGROUND 12-GAUGE WIRE SHALL BE INSTALLED BELOW THE PIPE AND WITHIN 6 INCHES. WIRE SHALL BE BLUE AS SPECIFIED SPECIFIED BY THE APWA COLOR CODE. ALL WATER PIPE LOWERINGS SHALL BE IN ACCORDANCE WITH DISTRICT STANDARD DRAWING W-10. THE WATER MAIN LINE RELOCATION SHALL BE DONE IN A MANNER THAT WILL CAUSE A MINIMUM OF INCONVENIENCE TO THOSE WITH AFFECTED SERVICES. WORK CONCERNING THE DISCONNECTION AND RE-CONNECTION OF EXISTING WATER MAIN LINES SHALL BE DONE BETWEEN THE HOURS OF 10:00 P.M. AND 5:00 A.M., OR AS DIRECTED BY THE DISTRICT. NO SUCH WORK SHALL BEGIN UNTIL THE FIRE DEPARTMENT, DISTRICT, COUNTY, COUNTY SHERIFF'S OFFICE AND RESIDENTS WHOSE SERVICES WILL BE AFFECTED ARE ALL NOTIFIED AT LEAST ONE HUNDRED TWENTY (120) HOURS PRIOR TO THE RELOCATION, OF THE EXTENT, NATURE AND TIME OF THE ANTICIPATED WORK, NOR UNTIL THE METHOD AND SCHEDULE OF SUCH WORK HAS BEEN APPROVED BY THE DISTRICT. THE PIPE SIZE AND MATERIAL SHALL MATCH THAT OF THE EXISTING WATER MAIN LINE. PAYMENT FOR THIS ITEM SHALL BE MADE AT THE UNIT CONTRACT BID PRICE FOR EACH ITEM WATER MAIN LINE RELOCATION, AS PER PLAN, AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO CONSTRUCT THIS ITEM TO THE SATISFACTION OF THE ENGINEER AND THE LICKING REGIONAL WATER DISTRICT.

ITEM 611, MANHOLE ADJUSTED TO GRADE, AS PER PLAN

ALL MATERIALS AND CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE CURRENT LICKING REGIONAL WATER DISTRICT CONSTRUCTION MATERIAL SPECIFICATIONS INCLUDING ALL SUPPLEMENTS THERETO. ALL MANHOLE CASTINGS, FRAMES, COVERS, AND STEPS SHALL BE IN ACCORDANCE WITH DISTRICT STANDARD DRAWINS SA.S.-2 AND SA.S.-3

SA-7 MANHOLE SEALING: SANITARY MANHOLE FRAME SEALING SHALL MEET THE FOLLOWING SPECIFICATIONS: ALL MANHOLE FRAMES AND CHIMNEYS SHALL BE LINED INTERNALLY WITH OBIC ARMOR 1000 OR SPECTRASHIELD. ALL AREAS WHERE THE LINING IS TO BE ATTACHED MUST BE FREE OF ANY DIRT, GREASE, RUST, OR ANY LOOSE MORTAR.

SA-8 INFLOW PROTECTION DISH: AN INFLOW PROTECTION DISH AS MANUFACTURED BY PARSONS ENVIRONMENTAL PMI-15 OR EQUIVALENT SHALL BE INSTALLED IN EACH SANITARY SEWER MANHOLE CASTING PER STANDARD DRAWING SA.S.-2.

SA-9 MANHOLE TOPS: WHERE MANHOLES ARE LOCATED WITHIN ROAD GRADING LIMITS, THE MANHOLE FRAME AND CHIMNEY SHALL BE ENCASED WITHIN CLASS C CONCRETE AND BE BUILT TO ELEVATIONS SHOWN ON THE APPROVED PLANS OR AS DIRECTED BY THE DISTRICT. ELSEWHERE, MANHOLES SHALL BE BUILT OR SUBSEQUENTLY ADJUSTED TO BE NOT MORE THAN ONE (1) INCHES ABOVE FINAL SURFACE GRADES ESTABLISHED FOR THE DEVELOPMENT. PAYMENT FOR THIS ITEM SHALL BE MADE AT THE UNIT CONTRACT BID PRICE FOR EACH ITEM MANHOLE ADJUSTED TO GRADE, AS PER PLAN, AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MMATERIALS, AND INCIDENTALS NECESSARY TO CONSTRUCT THIS ITEM TO THE SATISFACTION OF THE ENGINEER AND THE LICKING REGIONAL WATER DISTRICT.

ITEM 611, MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN

ALL MATERIALS AND CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE CURRENT LICKING REGIONAL WATER DISTRICT CONSTRUCTION MATERIAL SPECIFICATIONS INCLUDING ALL SUPPLEMENTS THERETO. ALL MANHOLE CASTINGS, FRAMES, COVERS, AND STEPS SHALL BE IN ACCORDANCE WITH DISTRICT STANDARD DRAWINS SA.S.-2 AND SA.S.-3

SA-1 TESTING: AN INFILTRATION OR EXFILTRATION TEST SHALL BE MADE IN ACCORDANCE WITH THE DISTRICT SPECIFICATIONS WITH MAXIMUM TEST SECTIONS OF 400 FEET. LEAKAGE THROUGH JOINTS SHALL NOT EXCEED 100 ALLONS PER DAY PER INCH OF SEWER DIAMETER PER MILE OF PIPE. AIR TESTING IS AN ACCEPTABLE ALTERNATE TESTING METHOD FOR LEAKAGE AND SHALL BE MADE IN ACCORDANCE WITH DISTRICT SPECIFICATIONS AND ASTM F1417-92. SANITARY SEWERS SHALL BE MANDREL TESTED AND LEAKAGE TESTED NO SOONER THAN 30 DAYS AFTER INSTALLATION. ALL SANITARY MANHOLES SHALL BE VACUUM TESTED, IN ACCORDANCE WITH ASTM C1244-93. EXISTING STRUCTURES THAT ARE DISTURBED SHALL BE RE-TESTED AND CORRECTED IF NEEDED PER DISTRICT SPECIFICATIONS. ALL TEST REPORTS SHALL BE FURNISHED TO THE DISTRICT PRIOR TO ACCEPTANCE OF THE SYSTEM.

SA-7 MANHOLE SEALING: SANITARY MANHOLE FRAME SEALING SHALL MEET THE FOLLOWING SPECIFICATIONS: ALL MANHOLE FRAMES AND CHIMNEYS SHALL BE LINED INTERNALLY WITH OBIC ARMOR 1000 OR SPECTRASHIELD. ALL AREAS WHERE THE LINING IS TO BE ATTACHED MUST BE FREE OF ANY DIRT, GREASE, RUST, OR ANY LOOSE MORTAR.

SA-8 INFLOW PROTECTION DISH: AN INFLOW PROTECTION DISH AS MANUFACTURED BY PARSONS ENVIRONMENTAL PMI-15 OR EQUIVALENT SHALL BE INSTALLED IN EACH SANITARY SEWER MANHOLE CASTING PER STANDARD DRAWING SA.S.-2.

SA-9 MANHOLE TOPS: WHERE MANHOLES ARE LOCATED WITHIN ROAD GRADING LIMITS, THE MANHOLE FRAME AND CHIMNEY SHALL BE ENCASED WITHIN CLASS C CONCRETE AND BE BUILT TO ELEVATIONS SHOWN ON THE APPROVED PLANS OR AS DIRECTED BY THE DISTRICT. ELSEWHERE, MANHOLES SHALL BE BUILT OR SUBSEQUENTLY ADJUSTED TO BE NOT MORE THAN ONE (1) INCHES ABOVE FINAL SURFACE GRADES ESTABLISHED FOR THE DEVELOPMENT. PAYMENT FOR THIS ITEM SHALL BE MADE AT THE UNIT CONTRACT BID PRICE FOR EACH ITEM MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN, AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MMATERIALS, AND INCIDENTALS NECESSARY TO CONSTRUCT THIS ITEM TO THE SATISFACTION OF THE ENGINEER AND THE LICKING REGIONAL WATER DISTRICT.

ITEM SPECIAL - FILL AND PLUG EXISTING CONDUIT

THIS ITEM CONSISTS OF THE CONSTRUCTION OF BULKHEADS IN AN EXISTING 12 INCH DIAMETER CONDUIT AND FILLING THE AREA SEALED OFF WITH ITEM 613, SAND OR OTHER MATERIAL APPROVED BY THE ENGINEER.

LOCATE THE BULKHEADS AT THE LIMITS OF THE AREA TO BE FILLED, AS INDICATED ON THE PLANS. THE BULKHEADS CONSIST OF BRICK OR CONCRETE MASONRY WITH A MINIMUM THICKNESS OF 12 INCHES.

PUMP THE FILL MATERIAL INTO PLACE OR BY OTHER MEANS APPROVED BY THE ENGINEER, SO THAT AFTER SETTLEMENT, AT LEAST 90 PERCENT OF THE CROSS-SECTIONAL AREA OF THE CONDUIT, FOR ITS ENTIRE LENGTH IS FILLED. THE LENGTH OF FILLED AND PLUGGED CONDUIT TO BE PAID FOR IS THE ACTUAL NUMBER OF FEET (MEASURED ALONG THE CENTERLINE OF EACH CONDUIT FROM OUTER FACE TO OUTER FACE OF BULKHEADS) FILLED AND PLUGGED AS DESCRIBED ABOVE.

IN LIEU OF FILLING AND PLUGGING THE EXISTING CONDUIT, THE PIPE MAY BE CRUSHED AND BACKFILLED PER 203, OR IT MAY BE REMOVED. THE LENGTH, MEASURED AS PROVIDED ABOVE, WILL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR, ITEM SPECIAL, FILL AND PLUG EXISTING CONDUIT.

PROPOSED WATER				AS-BUILT WATER	
ITEM	STATION	NORTHING	EASTING	NORTHING	EASTING
12" WATER CONNECTION	44+18.57	1917741.8490	712974.9459		
FIRE HYDRANT	44+22.56	1917745.5374	712990.5849		
45 HORZ BEND	44+40.00	1917763.2761	712975.3878		
45 HORZ BEND	44+51.95	1917775.4531	712963.6736		
12" VALVE	44+56.95	1917780.4521	712963.7703		
12" VALVE	47+00.00	1918023.4587	712968.4743		
FIRE HYDRANT	49+22.77	1918245.6561	713000.2704		
12" VALVE	50+00.00	1918323.4025	712974.2805		
FIRE HYDRANT	52+53.22	1918576.0413	713006.6688		
12" VALVE	54+00.00	1918723.3276	712982.0221		
45 HORZ BEND	54+25.00	1918748.2914	712982.5053		
45 HORZ BEND	54+36.51	1918759.6103	712994.2711		
12" WATER CONNECTION	54+41.51	1918764.6090	712994.3836		
FIRE HYDRANT	56+41.12	1918963.9638	713009.5714		
FIRE HYDRANT	60+11.61	1919334.6420	713003.3568		

GENERAL NOTES

DESIGN AGENCY
verdantas
145 HIST MAIN STREET
NEWARK, OH 43055
TEL: 740.344.5435
FAX 614.4656000

DESIGNER MRO

REVIEWER SRH 05/16/25

PROJECT ID 119487

SHEET P.07 TOTAL P.108

LIC-TR1135-0.58

MODEL: Sheet_Surv1 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:12:11 AM USER: morr
F:\Clients\Active\LCTLCT0022\119487\400-Engineering\Roadway\Sheets\119487_GN003.dgn

ITEM 614, MAINTAINING TRAFFIC

TRAFFIC SHALL BE MAINTAINED AS PER THE DETAIL SHEETS AND SPECIFICATIONS AND AS OUTLINED IN THE CONSTRUCTION AND MAINTENANCE OPERATIONS SECTION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS LATEST REVISION. IN ADDITION, THE FOLLOWING REQUIREMENTS SHALL APPLY.

THE CONTRACTOR SHALL SUBMIT, IN WRITING A SCHEDULE OF OPERATIONS TO THE CITY OF CAMBRIDGE AND RECEIVE APPROVAL BEFORE WORK IS STARTED ON THE PROJECT.

BEFORE WORK BEGINS, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE NAMES AND TELEPHONE NUMBERS OF A PERSON OR PERSONS WHO CAN BE CONTACTED 24 HOURS A DAY BY THE THE CITY, OHIO DEPARTMENT OF TRANSPORTATION AND POLICE AGENCIES. THIS PERSON OR PERSONS SHALL BE RESPONSIBLE FOR REPLACING NECESSARY TRAFFIC CONTROL DEVICES IMMEDIATELY.

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

DRUMS SHALL BE PROPERLY REFLECTORIZED PLASTIC DRUMS AND WEIGHTED.

THE CONTRACTOR SHALL ARRANGE HIS OPERATIONS SO AS TO PREVENT ANY INTERFERENCE TO THE CONTINUOUS FLOW OF TRAFFIC. ALL VEHICLES, EQUIPMENT, WORKERS AND THEIR ACTIVITIES ARE RESTRICTED AT ALL TIME TO ONE SIDE OF THE PAVEMENT UNLESS OTHERWISE APPROVED BY THE PROJECT ENGINEER.

THE PLANS INDICATE THE MINIMUM SIGNAGE WHICH MUST BE INSTALLED AND/OR MAINTAINED DURING ALL PHASES OF CONSTRUCTION.

EXISTING SIGNS OR CONTRACTOR SUPPLIED SIGNS SHALL BE USED TO MAINTAIN TRAFFIC DURING CONSTRUCTION.

ANY CONFLICTING SIGNS WHETHER INSIDE OR OUTSIDE THE WORK LIMITS SHALL BE REMOVED OR COVERED AND TEMPORARY SIGNS ERECTED WHEN APPLICABLE BY THE CONTRACTOR.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS AS DESCRIBED ABOVE SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR 614 MAINTAINING TRAFFIC, AS PER PLAN UNLESS SEPARATELY ITEMIZED IN THE PLAN.

IT IS THE INTENT OF THIS SEQUENCE OF OPERATIONS TO PROVIDE A WORK AREA FOR THE CONTRACTOR WHILE ALSO MAINTAINING TRAFFIC IN A MANNER WHICH IS SAFE FOR THE TRAVELING PUBLIC.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF TRAFFIC AND TO CONSTRUCT ALL TRAFFIC CONTROL ITEMS. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR ITEM 614 MAINTAINING TRAFFIC.

ITEM 614, MAINTAINING TRAFFIC, CONTINUED

THE CONTRACTOR SHALL COMPLETE ALL WORK AS DESCRIBED IN THE SEQUENCE OF OPERATIONS, FOR EACH PHASE OF OPERATIONS, BEFORE STARTING WORK ON THE NEXT PHASE OF CONSTRUCTION, UNLESS OTHERWISE NOTED.

THE CONTRACTOR SHALL NOT BE ALLOWED TO START WORK UNTIL APPROVAL HAS BEEN GRANTED BY THE PROJECT ENGINEER.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

LOCAL ACCESS

INGRESS AND EGRESS SHALL BE MAINTAINED TO ALL RESIDENTIAL AND COMMERCIAL PROPERTIES. DRIVEWAY CLOSURE MAY BE NECESSARY TO ENABLE WORK ON THE FRONT OF A DRIVE. THE CONTRACTOR WILL BE RESPONSIBLE FOR NOTIFYING OWNERS, RESIDENTS, OR BUSINESS OPERATORS IN WRITING AT LEAST 48 HOURS BUT NOT MORE THAN 72 HOURS PRIOR TO CLOSURE. THE ENGINEER SHALL BE GIVEN A LIST OF THE PERSONS THAT WERE GIVEN NOTICES WITH THE DATE OF NOTICE INCLUDED. CLOSURE IS PERMITTED ONLY DURING WORK HOURS AND ACCESS MUST BE RETURNED AT THE END OF EACH WORKING DAY. PROPERTIES WITH MULTIPLE DRIVES MAY HAVE ONE DRIVE CLOSED AT A TIME, WHILE WORK IS PERFORMED IN THE AREA OF THE CLOSED DRIVE.

INDIVIDUAL DRIVE CLOSURES SHALL BE KEPT TO THE MINIMUM TIME NEEDED FOR CONSTRUCTION ACTIVITIES. EVERY EFFORT MUST BE MADE TO ACCOMMODATE THE OWNER'S NEED FOR ACCESS.

ITEM 614, MAINTAINING TRAFFIC (SIGNS AND BARRICADES)

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN SIGNS AND SIGN SUPPORTS, AS DETAILED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND TYPE III BARRICADES OF THE TYPE AND LOCATION AS SHOWN ON THE DETOUR PLANS HEREIN

TRENCH FOR WIDENING

TRENCH EXCAVATION FOR BASE WIDENING SHALL BE ONLY ON ONE SIDE OF THE PAVEMENT AT A TIME. THE OPEN TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR BARRICADES AT ALL TIMES. PLACEMENT OF PROPOSED SUBBASE AND BASE MATERIAL SHALL FOLLOW AS CLOSELY AS POSSIBLE BEHIND EXCAVATION OPERATIONS. THE LENGTH OF WIDENING TRENCH WHICH IS OPEN AT ANY ONE TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO APPROVAL OF THE ENGINEER.

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 25 M. GAL.

DESIGNATED LOCAL DETOUR ROUTE

IN ADDITION TO THE OFFICIAL, SIGNED DETOUR ROUTE, A LOCAL ROUTE HAS BEEN DETERMINED TO BE THE SECONDARY, UNSIGNED DETOUR ROUTE OR "DESIGNATED LOCAL DETOUR ROUTE." THIS ROUTE IS SHOWN ON THE DETOUR SHEETS HEREIN THIS PLAN. DURING THE TIME THAT TRAFFIC IS DETOURED, THE CONTRACTOR SHALL MAINTAIN THIS ROUTE IN A CONDITION WHICH IS REASONABLY SMOOTH AND FREE FROM HOLES, RUTS, RIDGES, BUMPS, DUST AND STANDING WATER. ONCE THE DETOUR IS REMOVED AND TRAFFIC RETURNED TO ITS NORMAL PATTERN, THE DESIGNATED LOCAL DETOUR ROUTE SHALL BE RESTORED TO A CONDITION THAT IS EQUIVALENT TO THAT WHICH EXISTED PRIOR TO ITS USE FOR THIS PURPOSE. ALL SUCH WORK SHALL BE PERFORMED WHEN AND AS DETERMINED BY THE ENGINEER.

THE COST FOR MAINTAINING THIS ROUTE SHALL BE INCLUDED IN THE LUMP SUM BID FOR :

ITEM 614 - MAINTAINING TRAFFIC, AS PER PLAN

ALTERNATE METHODS

IF THE CONTRACTOR SO SELECTS, HE MAY SUBMIT ALTERNATE METHODS FOR THE MAINTAINING OF TRAFFIC, PROVIDED THE INTENT OF THE ABOVE PROVISIONS IS FOLLOWED AND NO ADDITIONAL INCONVENIENCES TO THE TRAVELING PUBLIC RESULT THERE FROM. NO ALTERNATE PLAN SHALL BE PLACED INTO EFFECT UNTIL APPROVAL HAS BEEN GRANTED, IN WRITING, BY THE ENGINEER.

MAINTENANCE OF TRAFFIC NOTES

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL 740.344.4551
FAX 614.360.0023

DESIGNER
MRO

REVIEWER
SRH 05/16/25

PROJECT ID
119487

SHEET P.08 TOTAL P.108

LIC-TR1135-0.58

MODEL: Sheet_Surv1 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:12:13 AM USER: morr
F:\Clients\Active\LCTLCT0021119487\400-Engineering\MOT\Sheets\119487_MN001.dgn

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE, WHEN NO LONGER NEEDED, A CHANGEABLE MESSAGE SIGN. THE SIGN SHALL BE OF A TYPE SHOWN ON A LIST OF APPROVED PCMS UNITS AVAILABLE ON THE OFFICE OF MATERIALS MANAGEMENT WEB PAGE. THE LIST CONTAINS CLASS A AND B UNITS WITH MINIMUM LEGIBILITY DISTANCES OF 800 FEET AND 650 FEET, RESPECTIVELY.

EACH SIGN SHALL BE TRAILER-MOUNTED AND EQUIPPED WITH A FUNCTIONAL DIMMING MECHANISM, TO DIM THE SIGN DURING DARKNESS, AND A TAMPER AND VANDAL PROOF ENCLOSURE. EACH SIGN SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ON-SITE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT. THE SIGN SHALL ALSO BE CAPABLE OF BEING POWERED BY AN ELECTRICAL SERVICE DROP FROM A LOCAL UTILITY COMPANY. THE PCMS SHALL BE DELINEATED IN ACCORDANCE WITH C&MS 614.03.

THE PROBABLE PCMS LOCATIONS AND WORK LIMITS FOR THOSE LOCATIONS ARE SHOWN ON THE DETOUR SHEETS OF THIS PLAN. PLACEMENT, OPERATION, MAINTENANCE AND ALL ACTIVATION OF THE SIGNS BY THE CONTRACTOR SHALL BE AS DIRECTED BY THE ENGINEER. THE PCMS SHALL BE LOCATED IN A HIGHLY VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE CONTRACTOR SHALL, AT THE DIRECTION OF THE ENGINEER, RELOCATE THE PCMS TO IMPROVE VISIBILITY OR ACCOMMODATE CHANGED CONDITIONS. WHEN NOT IN USE, THE PCMS SHALL BE TURNED OFF. ADDITIONALLY, WHEN NOT IN USE FOR EXTENDED PERIODS OF TIME, THE PCMS SHALL BE TURNED AWAY FROM ALL TRAFFIC.

THE ENGINEER SHALL BE PROVIDED ACCESS TO EACH SIGN UNIT AND SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ODOT PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT, AND TO REVISE SIGN MESSAGES, IF NECESSARY.

(THE CONTRACTOR SHALL IMPLEMENT A SYSTEM WHEREBY CHANGEABLE MESSAGES WILL BE IMPLEMENTED WITHIN 24 HOURS FOLLOWING TELEPHONE NOTIFICATION FROM THE PROJECT ENGINEER TO A DESIGNATED PHONE.)

ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE ENGINEER. A LIST OF ALL REQUIRED PRE-PROGRAMMED MESSAGES WILL BE GIVEN TO THE CONTRACTOR AT THE PROJECT PRECONSTRUCTION CONFERENCE. THE SIGN SHALL HAVE THE CAPABILITY TO STORE UP TO 99 MESSAGES. MESSAGE MEMORY OR PRE-PROGRAMMED DISPLAYS SHALL NOT BE LOST AS A RESULT OF POWER FAILURES TO THE ON-BOARD COMPUTER. THE SIGN LEGEND SHALL BE CAPABLE OF BEING CHANGED IN THE FIELD. THREE-LINE PRESENTATION FORMATS WITH UP TO SIX MESSAGE PHASES SHALL BE SUPPORTED. PCMS FORMAT SHALL PERMIT THE COMPLETE MESSAGE FOR EACH PHASE TO BE READ AT LEAST TWICE.

THE PCMS SHALL CONTAIN AN ACCURATE CLOCK AND PROGRAMMING LOGIC WHICH WILL ALLOW THE SIGN TO BE ACTIVATED, DEACTIVATED OR MESSAGES CHANGED AUTOMATICALLY AT DIFFERENT TIMES OF THE DAY FOR DIFFERENT DAYS OF THE WEEK.

(THE PCMS SHALL CONTAIN A CELLULAR TELEPHONE DATA LINK WHICH WILL (IN ACTIVE CELLULAR PHONE AREAS) ALLOW REMOTE SIGN ACTIVATION, MESSAGE CHANGES, MESSAGE ADDITIONS AND REVISIONS TO TIME OF DAY PROGRAMS. THE SYSTEM SHALL ALSO PERMIT VERIFICATION OF CURRENT AND PROGRAMMED MESSAGES. ONE REMOTE DATA INPUT DEVICE (LAPTOP COMPUTER PLUS MODEM OR EQUIVALENT) SHALL BE FURNISHED FOR USE BY THE DISTRICT TRAFFIC ENGINEER, OR EQUIVALENT, AND SHALL BE INSURED AGAINST THEFT.) THE PCMS UNIT SHALL BE MAINTAINED IN GOOD WORKING ORDER BY THE CONTRACTOR IN ACCORDANCE WITH THE PROVISIONS OF C&MS 614.07. THE CONTRACTOR SHALL, PRIOR TO ACTIVATING THE UNIT, MAKE ARRANGEMENTS, WITH AN AUTHORIZED SERVICE AGENT FOR THE PCMS, TO ASSURE PROMPT SERVICE IN THE EVENT OF FAILURE. ANY FAILURE SHALL NOT RESULT IN THE SIGN BEING OUT OF SERVICE FOR MORE THAN 12 HOURS, INCLUDING WEEKENDS. FAILURE TO COMPLY MAY RESULT IN AN ORDER TO STOP WORK AND OPEN ALL TRAFFIC LANES AND/OR IN THE DEPARTMENT TAKING APPROPRIATE ACTION TO SAFELY CONTROL TRAFFIC. THE ENTIRE COST TO CONTROL TRAFFIC, ACCRUED BY THE DEPARTMENT DUE TO THE CONTRACTOR'S NONCOMPLIANCE, WILL BE DEDUCTED FROM MONEYS DUE, OR TO BECOME DUE THE CONTRACTOR ON HIS CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR 24-HOUR-PER-DAY OPERATION AND MAINTENANCE OF THESE SIGNS ON THE PROJECT FOR THE DURATION OF THE PHASES WHEN THE PLAN REQUIRES THEIR USE.

PAYMENT FOR THE ABOVE DESCRIBED ITEM SHALL BE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, FUELS, LUBRICATING OILS, SOFTWARE, HARDWARE AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED WORK.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN 24 SIGN MONTH ASSUMING 4 PCMS SIGNS FOR 6 MONTHS

MAINTENANCE OF TRAFFIC NOTES

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL 614.344.4567
FAX 614.580.5023

DESIGNER
MRO

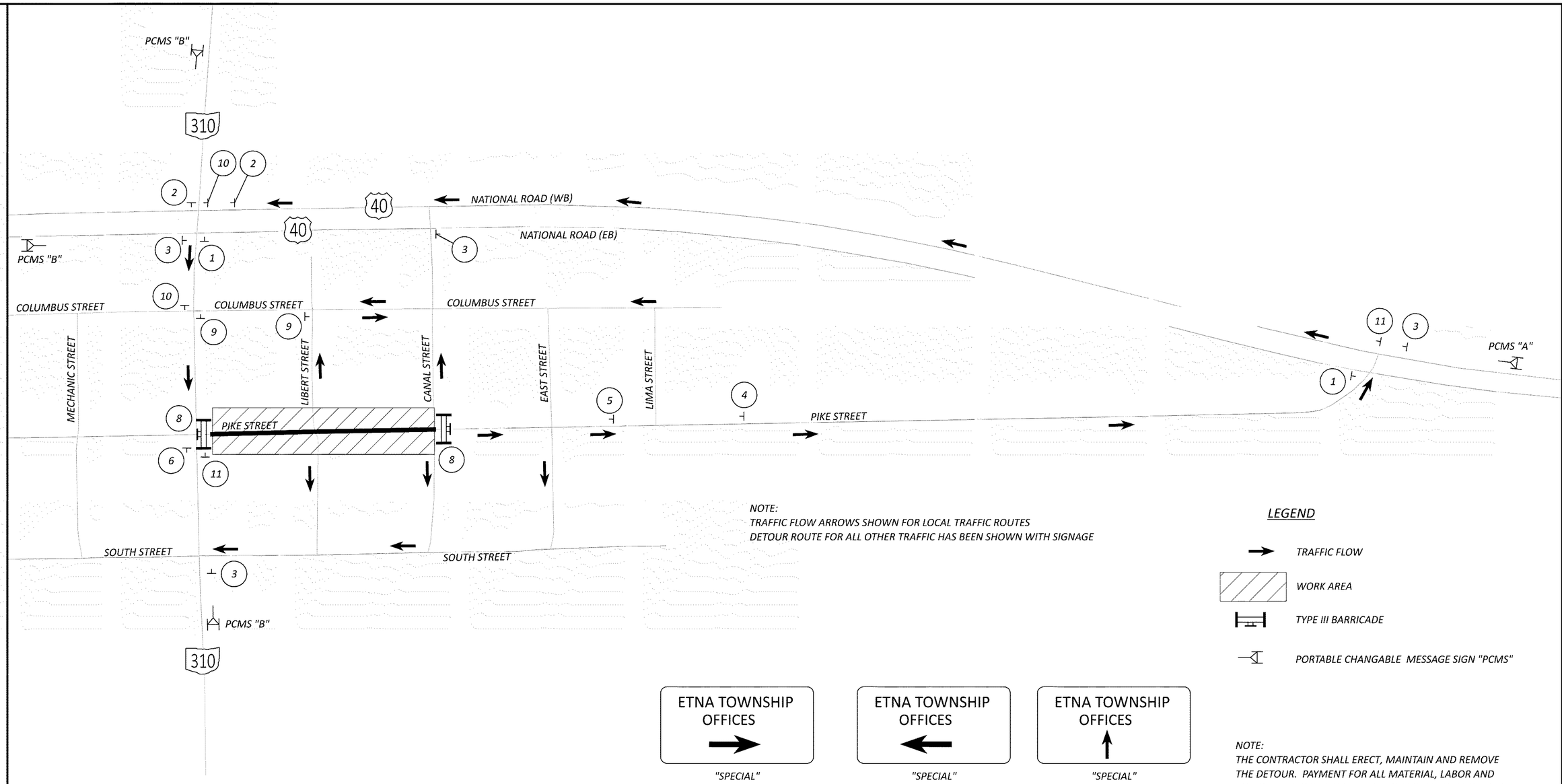
REVIEWER
SRH 05/16/25

PROJECT ID
119487

SHEET P.09 TOTAL P.108

LIC-TR1135-0.58

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:12:14 AM USER: morr
F:\Clients\Active\LCTLCT0002\119487\400-Engineering\MOT\Sheets\119487_MN002.dgn



NOTE:
TRAFFIC FLOW ARROWS SHOWN FOR LOCAL TRAFFIC ROUTES
DETOUR ROUTE FOR ALL OTHER TRAFFIC HAS BEEN SHOWN WITH SIGNAGE

LEGEND

- *TRAFFIC FLOW*
- *WORK AREA*
- *TYPE III BARRICADE*
- *PORTABLE CHANGABLE MESSAGE SIGN "PCMS"*

ETNA TOWNSHIP OFFICES →
"SPECIAL"
9

ETNA TOWNSHIP OFFICES ←
"SPECIAL"
10

ETNA TOWNSHIP OFFICES ↑
"SPECIAL"
11

NOTE:
THE CONTRACTOR SHALL ERECT, MAINTAIN AND REMOVE THE DETOUR. PAYMENT FOR ALL MATERIAL, LABOR AND EQUIPMENT TO PERFORM THIS WORK SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614 DETOUR SIGNING

1
DETOUR
M4-8-12
PIKE STREET
SPECIAL
→
M6-1-21

2
DETOUR
M4-8-12
PIKE STREET
SPECIAL
←
M6-1-21

3
DETOUR
M4-8-12
PIKE STREET
SPECIAL
↑
M6-3-21

4
ROAD CLOSED AHEAD
W20-3-36

5
ROAD CLOSED 500FT
W20-3-36

6
END ROAD WORK
G20-2-36

7
ROAD WORK AHEAD
W20-1-36

8
ROAD CLOSED
LOCAL TRAFFIC ONLY
R11-2-48
10' TYPE III BARRICADE

PIKE ST CLOSED AT CANAL
FOLLOW DETOUR
PCMS "A"

PIKE ST CLOSED
FOLLOW DETOUR
PCMS "B"

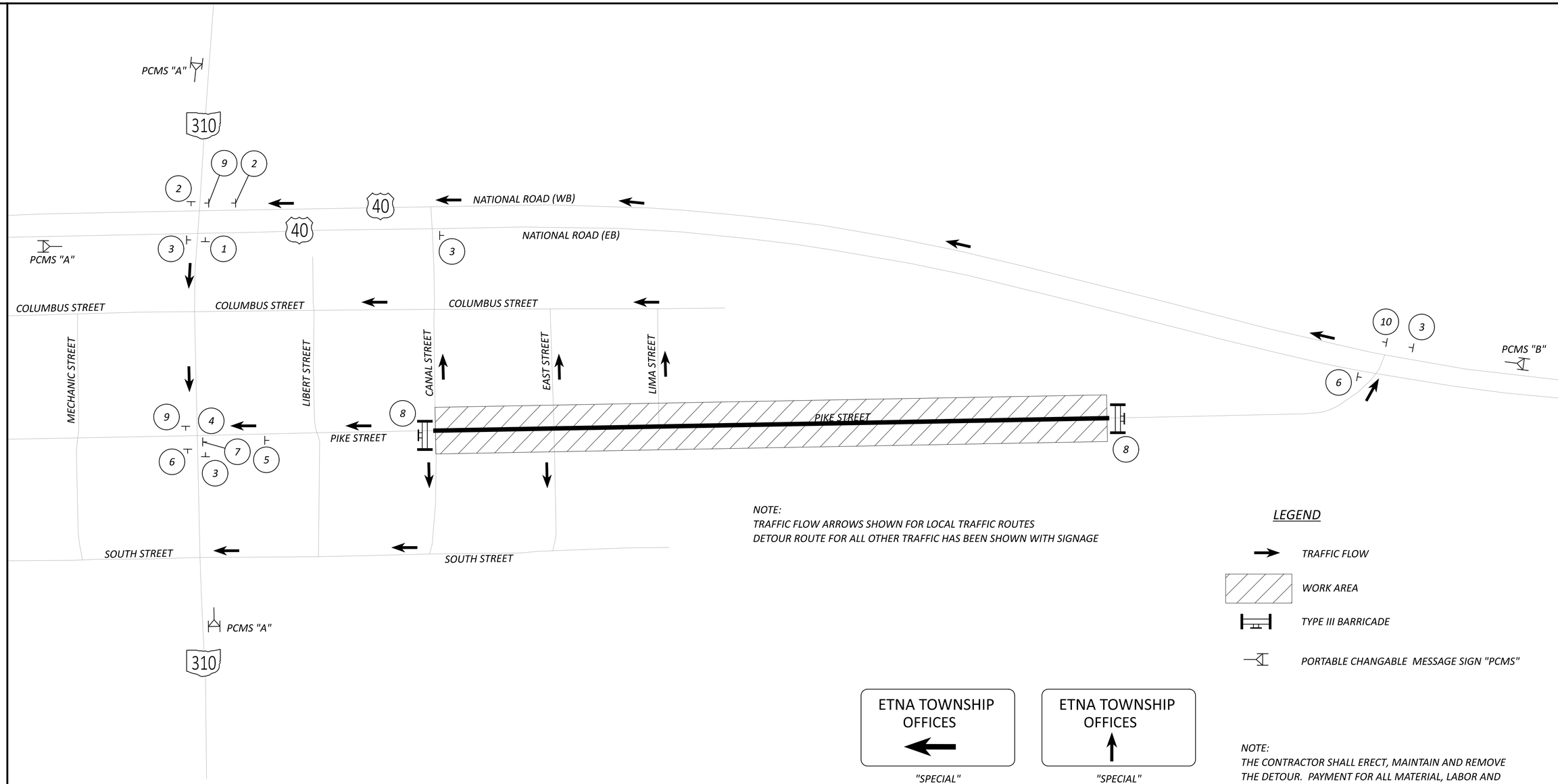
MAINTENANCE OF TRAFFIC DETAILS

LIC-TR1135-0.58

MODEL: Sheet_Sur\F1 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:29:09 AM USER: morr
F:\Clients\Active\LCT\LCT0021119487\40-Engineering\MOT\Sheets\119487_MD004.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 740.345.4455
FAX: 614.360.0023

DESIGNER JWE
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET P.10 TOTAL P.108



NOTE:
TRAFFIC FLOW ARROWS SHOWN FOR LOCAL TRAFFIC ROUTES
DETOUR ROUTE FOR ALL OTHER TRAFFIC HAS BEEN SHOWN WITH SIGNAGE

LEGEND

- TRAFFIC FLOW
- WORK AREA
- TYPE III BARRICADE
- PORTABLE CHANGABLE MESSAGE SIGN "PCMS"

ETNA TOWNSHIP OFFICES ←
"SPECIAL"
9

ETNA TOWNSHIP OFFICES ↑
"SPECIAL"
10

NOTE:
THE CONTRACTOR SHALL ERECT, MAINTAIN AND REMOVE THE DETOUR. PAYMENT FOR ALL MATERIAL, LABOR AND EQUIPMENT TO PERFORM THIS WORK SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614 DETOUR SIGNING

1
DETOUR
M4-8-12
PIKE STREET
SPECIAL
M6-1-21

2
DETOUR
M4-8-12
PIKE STREET
SPECIAL
M6-1-21

3
DETOUR
M4-8-12
PIKE STREET
SPECIAL
M6-3-21

4
ROAD CLOSED AHEAD
W20-3-36

5
ROAD CLOSED 500FT
W20-3-36

6
END ROAD WORK
G20-2-36

7
ROAD WORK AHEAD
W20-1-36

8
ROAD CLOSED
LOCAL TRAFFIC ONLY
R11-2-48
10' TYPE III BARRICADE

PIKE ST CLOSED AT CANAL
FOLLOW DETOUR
PCMS "A"

PIKE ST CLOSED
FOLLOW DETOUR
PCMS "B"

MAINTENANCE OF TRAFFIC DETAILS

LIC-TR1135-0.58

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:13:16 AM USER: morr
F:\Clients\Active\LCTLCT002\119487\400-Engineering\MOT\Sheets\119487_MD005.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.360.0023
FAX: 614.360.0023

DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET P.11 TOTAL P.108

SHEET NUM.												PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
						OFFICE CALC	P.05	P.16	P.18	P.19	P.20	01/MPO/ LCEO	02/NFA/ LCEO						
																		ROADWAY	
						LS						LS		201	11000	LS		CLEARING AND GRUBBING	
								5				5		201	21800	5	EACH	TREE REMOVED, 18" DIAMETER	
								1				1		201	23000	1	EACH	TREE REMOVED, 30" DIAMETER	
								1				1		201	24800	1	EACH	TREE REMOVED, 48" DIAMETER	
								1				1		201	26000	1	EACH	TREE REMOVED, 60" DIAMETER	
										5,814		5,814		202	23000	5,814	SY	PAVEMENT REMOVED	
								377			863	1,240		202	23000	1,240	SY	PAVEMENT REMOVED (DRIVEWAY)	
								173				173		202	23000	173	SY	PAVEMENT REMOVED (CONCRETE PARKING AREA)	
								4,821				4,821		202	30000	4,821	SF	WALK REMOVED	
								68				68		202	30200	68	FT	STEPS REMOVED	
								126				126		202	32000	126	FT	CURB REMOVED	
									1,591			1,591		202	35100	1,591	FT	PIPE REMOVED, 24" DIAMETER AND UNDER	
									13			13		202	58200	13	EACH	INLET REMOVED	
								1				1		SPECIAL	20266000	1	EACH	DRILLED WATER WELL ABANDONED	P.06
								21				21		202	75000	21	FT	FENCE REMOVED	
								10				10		202	98100	10	EACH	REMOVAL MISC.:BOULDER/BLOCK REMOVED	P.06
								1				1		202	98100	1	EACH	REMOVAL MISC.:POST REMOVED	P.06
												6,388		203	10000	6,388	CY	EXCAVATION	
												223		203	20000	223	CY	EMBANKMENT	
										2,088	863	2,951		204	10000	2,951	SY	SUBGRADE COMPACTION	
										5		5		204	45000	5	HOUR	PROOF ROLLING	
										296		296		206	10500	296	TON	CEMENT	
										10,236		10,236		206	11000	10,236	SY	CURING COAT	
										10,236		10,236		206	15020	10,236	SY	CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP	
								164				164		607	98000	164	FT	FENCE, MISC.:BIKEWAY RAILING PER ODOT RM-5.2	P.06
								9,911				9,911		608	10000	9,911	SF	4" CONCRETE WALK	
								60				60		608	13000	60	SF	6" CONCRETE WALK	
								215				215		608	40000	215	FT	CONCRETE STEPS, TYPE A	
								3,888				3,888		608	52000	3,888	SF	CURB RAMP (6" THICK)	
								360				360		608	53020	360	SF	DETECTABLE WARNING	
								4,918				4,918		609	12000	4,918	FT	COMBINATION CURB AND GUTTER, TYPE 2	
								17				17		609	26000	17	FT	CURB, TYPE 6	
								9				9		SPECIAL	69050350	9	EACH	MAILBOX REMOVED AND RESET	P.06
																		EROSION CONTROL	
							2					2		659	00100	2	EACH	SOIL ANALYSIS TEST	
							406					406		659	00300	406	CY	TOPSOIL	
							3,650					3,650		659	00500	3,650	SY	SEEDING AND MULCHING, CLASS 1	
							183					183		659	14000	183	SY	REPAIR SEEDING AND MULCHING	
							183					183		659	15000	183	SY	INTER-SEEDING	
							0.33					0.33		659	20000	0.33	TON	COMMERCIAL FERTILIZER	
							0.75					0.75		659	31000	0.75	ACRE	LIME	
							20					20		659	35000	20	MGAL	WATER	
						LS						LS		832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
						LS						LS		832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	
						LS						LS		832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
							12,500					12,500		832	30000	12,500	EACH	EROSION CONTROL	

GENERAL SUMMARY

LIC-TR1135-0.58

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 5/21/2025 TIME: 7:50:42 AM USER: morr
F:\Clients\Active\LCT\LCT0021\119487\400-Engineering\Roadway\Sheets\119487_GG001.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL 614.360.6455
FAX 614.360.0023

DESIGNER
MRO

REVIEWER
SRH 05/16/25

PROJECT ID
119487

SHEET P.12 | TOTAL P.108

SHEET NUM.												PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
						OFFICE CALC	P.18	P.19	P.20	P.22	P.23	01/MPO/ LCEO	02/NFA/ LCEO						
																		DRAINAGE	
							2.8					2.8		601	32100	2.8	CY	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER	
							0.67					0.67		602	20000	0.67	CY	CONCRETE MASONRY	
							4,898					4,898		605	06000	4,898	FT	4" BASE PIPE UNDERDRAINS	
												250		611	00400	250	FT	4" CONDUIT, TYPE E	
												150		611	00406	150	FT	4" CONDUIT, TYPE F	
							1,615					1,615		611	04400	1,615	FT	12" CONDUIT, TYPE B	
							171					171		611	05900	171	FT	15" CONDUIT, TYPE B	
							618					618		611	07400	618	FT	18" CONDUIT, TYPE B	
							805					805		611	10400	805	FT	24" CONDUIT, TYPE B	
							35					35		611	98180	35	EACH	CATCH BASIN, NO. 3A	
							17					17		611	99574	17	EACH	MANHOLE, NO. 3	
							1					1		611	99586	1	EACH	MANHOLE, NO. 3 WITH 108" BASE I.D. AND 12" WEIR	
							1					1		895	10040	1	EACH	MANUFACTURED WATER QUALITY STRUCTURE, TYPE 4	
																		PAVEMENT	
								69				88		253	01001	88	SY	PAVEMENT REPAIR, AS PER PLAN	P.06
								2,022				69		254	01000	69	SY	PAVEMENT PLANING, ASPHALT CONCRETE	
								2,055				2,022		301	56000	2,022	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
								1,276				2,055		304	20000	2,055	CY	AGGREGATE BASE	
												1,276		407	20000	1,276	GAL	NON-TRACKING TACK COAT	
								367				367		441	50000	367	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
								515				515		441	50300	515	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)	
									672			672		452	10010	672	SY	6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
									191			316		452	12010	316	SY	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
								7				7		617	10100	7	CY	COMPACTED AGGREGATE (12")	
																		LIGHTING	
												20		625	00450	20	EACH	CONNECTION, FUSED PULL APART	
												42		625	00480	42	EACH	CONNECTION, UNFUSED PERMANENT	
												10		625	10500	10	EACH	LIGHT POLE, MISC.:DECORATIVE, ANCHOR BASE, 12' POLE	P.103
												10		625	14000	10	EACH	LIGHT POLE FOUNDATION, 24" X 6' DEEP	
												5,850		625	23200	5,850	FT	NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE	
												340		625	23400	340	FT	NO. 10 AWG POLE AND BRACKET CABLE	
												10		625	27600	10	EACH	LUMINAIRE, MISC.:POST TOP SOLID STATE (LED) DECORATIVE, AON13, 240V	P.103
												668		625	25902	668	FT	CONDUIT, JACKED OR DRILLED, 725.04	
												1,042		625	29002	1,042	FT	TRENCH, 24" DEEP	
												14		625	30700	14	EACH	PULL BOX, 725.08, 18"	
												1		625	30706	1	EACH	PULL BOX, 725.08, 24"	
												10		625	32000	10	EACH	GROUND ROD	
												1,042		625	36010	1,042	FT	UNDERGROUND WARNING/MARKING TAPE	
												1		625	34001	1	EACH	POWER SERVICE, AS PER PLAN	P.103
												1,042		625	25500	1,042	FT	CONDUIT, 3", 725.04	
												1		625	76000	1	EACH	ARC FLASH CALCULATIONS AND LABEL	
												3		625	98000	3	EACH	LIGHTING, MISC.: FOUR-WAY UNFUSED PERMANENT CONNECTION, AS PER PLAN	P.103
																		TRAFFIC CONTROL	
											182	182		630	03100	182	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
											92	92		630	08520	92	FT	STREET NAME SIGN SUPPORT, NO. 3 POST	
											10	10		630	08600	10	EACH	SIGN POST REFLECTOR	
											85.5	85.5		630	80100	85.5	SF	SIGN, FLAT SHEET	
											4	4		630	80500	4	EACH	SIGN, DOUBLE FACED, STREET NAME	
											17	17		630	84900	17	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
											15	15		630	86002	15	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
										0.39		0.39		644	00104	0.39	MILE	EDGE LINE, 6", WHITE	
										0.36		0.36		644	00300	0.36	MILE	CENTER LINE, 5", YELLOW, DOUBLE SOLID	
										98		98		644	00500	98	FT	STOP LINE,2 20", WHITE	
										649		649		644	00620	649	FT	CROSSWALK LINE, 12", WHITE	
										431		431		644	00700	431	FT	TRANSVERSE/DIAGONAL LINE, YELLOW, 24"	
										316		316		644	00700	316	FT	TRANSVERSE/DIAGONAL LINE, WHITE, 12"	
										188		266		644	01200	266	FT	PARKING LOT STALL MARKING	
										4		6		644	01600	6	EACH	HANDICAP SYMBOL MARKING	
										8		8		644	19000	8	EACH	SHARED LANE MARKING (SHARROW)	

GENERAL SUMMARY

LIC-TR1135-0.58

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 5/21/2025 TIME: 7:50:52 AM USER: morr
F:\Clients\Active\LCT\LCT0021\119487\400-Engineering\Roadway\Sheets\119487_GG002.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL 614.360.6633
FAX 614.360.0023

DESIGNER
MRO

REVIEWER
SRH 05/16/25

PROJECT ID
119487

SHEET P.13 TOTAL P.108

SHEET NUM.												PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
						OFFICE CALC	P.05	P.08	P.09	P.16	P.19	01/MPO/ LCEO	02/NFA/ LCEO						
																		RETAINING WALLS (530)	
										265		265		SPECIAL	53050010	265	SF	RETAINING WALL (STACKED STONE WALL)	P.03
																		WATER WORK	
											1,001		1,001	SPECIAL	20270000	1,001	FT	FILL AND PLUG EXISTING CONDUIT	P.07
											22		22	202	34900	22	FT	PIPE REMOVED	
											1,033		1,033	638	02730	1,033	FT	12" WATER MAIN POLYVINYL CHLORIDE PIPE AND FITTINGS, AWWA C900, DR18	
											2		2	638	07480	2	EACH	6" GATE VALVE (ON HYDRANT LEADS OVER 15')	
											979		979	638	04800	979	FT	¾" COPPER SERVICE BRANCH	
											5		5	638	10501	5	EACH	FIRE HYDRANT REMOVED AND RESET, AS PER PLAN (INCLUDES VALVE AND 6" LINE)	P.07
											4		4	638	08100	4	EACH	12" GATE VALVE AND VALVE BOX	
											3		3	638	10801	3	EACH	VALVE BOX ADJUSTED TO GRADE, AS PER PLAN	P.07
																		SANITARY SEWER	
										2			2	611	99655	2	EACH	MANHOLE ADJUSTED TO GRADE, AS PER PLAN	P.07
										2			2	611	99661	2	EACH	MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN	P.07
																		LANDSCAPING	
						20						20		661	40080	20	EACH	DECIDUOUS TREE, 2" CALIPER, RUBY SUNSET MAPLE	
						21						21		661	40080	21	EACH	DECIDUOUS TREE, 2" CALIPER, AUTUMN BRILLIANCE SERVICEBERRY	
						19						19		661	40080	19	EACH	DECIDUOUS TREE, 2" CALIPER, ADAM'S FLOWERING CRABAPPLE	
						19						19		661	40080	19	EACH	DECIDUOUS TREE, 2" CALIPER, IVORY SILK TREE LILAC	
						79						79		661	99900	79	EACH	PLANTING, MISC.: SHREDDED HARDWOOD MULCH FOR TREE (PER TREE)	P.06
						398						398		661	99900	398	EACH	PLANTING, MISC.: GRASSES / PERENIALS / GROUND COVER PLANTINGS (1 GALLON)	L6
						161						161		661	99930	161	SY	PLANTING, MISC.: SHREDDED HARDWOOD MULCH FOR BEDS (3" DEPTH)	P.06
																		MAINTENANCE OF TRAFFIC	
						LS						LS		614	12420	LS		DETOUR SIGNING	
									24			24		614	18600	24	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN	
								25				25		616	10000	25	MGAL	WATER	
																		INCIDENTALS	
								LS				LS		614	11000	LS		MAINTAINING TRAFFIC	P.08
						6						6		619	16010	6	MNTH	FIELD OFFICE, TYPE B	
						LS						LS		623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
						LS						LS		624	10001	LS		MOBILIZATION, AS PER PLAN	P.06

GENERAL SUMMARY

LIC-TR1135-0.58

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 5/21/2025 TIME: 7:51:10 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_GG003.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL 614.340.4451
FAX 614.360.0023

DESIGNER
MRO

REVIEWER
SRH 05/16/25

PROJECT ID
119487

SHEET P.14 | TOTAL P.108

SHEET NO.	REFERENCE. NO.	STATION FROM	STATION TO	SIDE	201 TREE REMOVED, 18"	201 TREE REMOVED, 30"	201 TREE REMOVED, 48"	201 TREE REMOVED, 60"	202 PAVEMENT REMOVED, DRIVEWAY	202 PAVEMENT REMOVED (CONCRETE PARKING AREA)	202 FENCE REMOVED	202 WALK REMOVED	202 STEPS REMOVED (INCLUDES PORCH)	202 CURB REMOVED	202 REMOVAL, MISC.: BOULDER/BLOCK REMOVED	202 REMOVAL, MISC.: POST REMOVED	202 SPECIAL - DRILLED WELL ABANDONED	253 PAVEMENT REPAIR, AS PER PLAN	452 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	530 RETAINING WALL, STACKED STONE WALL	607 FENCE, MISC.: BIKEWAY RAILING PER ODOT RM-5.2	608 4" CONCRETE WALK	608 6" CONCRETE WALK	608 CONCRETE STEPS, TYPE A	608 CURB RAMP (6" THICK CONC)	608 DETECTABLE WARNING	609 CURB, TYPE 6	609 COMBINATION CURB AND GUTTER, TYPE 2	611 MANHOLE ADJUSTED TO GRADE, AS PER PLAN	611 MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN	690 MAILBOX REMOVED AND RESET
					EACH	EACH	EACH	EACH	SY	SY	FT	SF	FT	FT	EACH	EACH	EACH	SY	SY	SF	FT	SF	SF	FT	SF	SF	FT	FT	EACH	EACH	EACH
25	A1	43+98		LT																									1		
25	C1	40+23	43+12	LT																								307			
25	C2	40+23	41+43	RT																								135			
25	C3	41+55	43+25	RT																								218			
25-26	C4	43+34	44+93	LT																								181			
25	C4A	43+35	43+53	LT																							17				
25-26	C5	43+46	44+90	RT																								180			
25	P1	40+76	42+33	LT														70													
25	P2	43+49	43+88	RT														18													
25	R1	40+07	41+41	RT								537																			
25	R2	40+42	41+40	RT					158																						
25	R3	41+55	43+17	RT					219																						
25	R4	41+58	43+18	RT								724																			
25	R5	43+49	44+19	LT						143				105																	
25	R5A	43+35	43+53	LT						30				21																	
25	R6	43+55	44+14	LT								230																			
25-26	R7	44+20	44+90	RT								308																			
25	W1	39+86	41+40	RT																		788			82	10					
25	W2	41+57	43+23	RT																		822			306	30					
25	W3	42+88	43+05	LT																					125	20					
25	W4	43+39	43+95	LT																		28		8	475	44					
25	W4A	43+93	43+97	LT								20										37									
25	W5	44+31	44+91	RT																		245			222	26					
25	W5A	43+49	44+31	RT															125												
25	A1	47+95		RT																										1	
26	C6	45+10	46+66	LT																								178			
26	C7	45+04	46+67	RT																								178			
26	C8	46+84	48+46	LT																								193			
26-27	C9	46+86	50+66	RT																								362			
26-27	C10	48+57	50+64	LT																								190			
25	DW1	46+55		LT													1														
25	MB1	47+55		LT																											1
25	MB2	48+07		LT																											1
25	MB3	48+85		LT																											1
25	MB4	48+35		RT																											1
25	MB5	48+90		RT																											1
25	MB6	49+40		RT																											1
26	R8	45+05		RT												4															
26	R9	45+05	45+76	RT								310																			
26	R10	45+33		LT												1															
26	R11	45+70		LT							11																				
26	R12	45+79		LT				1																							
26	R13	46+34		LT	1																										
26	R14	46+55		LT												1															
26	R15	46+41	46+66	RT								96																			
26	R16	46+86	47+73	RT								402																			
26	R17	47+74		LT	1																										
26	R18	48+07	49+08	RT								492																			
26	R19	48+60		LT			1									1															
26	R20	49+12		LT	1																										
26	R21	49+19		LT												1															
26-27	R22	49+16	50+11	RT								398																			
26	W6	44+86	44+94	LT																					77	20					
26	W7	45+05	45+17	LT																					97	20					
26	W8	45+03	46+64	RT																		747		28	152	20					
26	W9	46+09	46+15	LT								58										41		5							
26	W10	46+24	46+61	LT																					332	20					
26	W11	46+90	47+27	LT																			60		323	20					
26	W12	46+90	47+75	RT																		402		8	104	10					
26	W13	47+46	47+51	LT								20										30		10							
26	W14	48+06	48+11	LT								37										29		5							
TOTALS CARRIED TO SHEET P.16					**3**	**0**	**1**	**1**	**377**	**173**	**11**	**3632**	**0**	**126**	**7**	**1**	**1**	**88**	**125**	**0**	**0**	**3169**	**60**	**64**	**2295**	**240**	**17**	**2122**	**1**	**1**	**6**

ROADWAY SUBSUMMARY

LIC-TR1135-0.58

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:13:20 AM USER: morr
F:\Clients\Active\LCTL\CT002\119487\400-Engineering\Roadway\Sheets\119487_GS001.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TELEPHONE 740.345.5502
FAX 614.360.0023

DESIGNER MRO

REVIEWER SRH 05/16/25

PROJECT ID 119487

SHEET P.15 | TOTAL P.108

ROADWAY SUBSUMMARY

SHEET NO.	REFERENCE. NO.	STATION FROM	STATION TO	SIDE	201 TREE REMOVED, 18" EACH	201 TREE REMOVED, 30" EACH	201 TREE REMOVED, 48" EACH	201 TREE REMOVED, 60" EACH	202 PAVEMENT REMOVED, DRIVEWAY SY	202 PAVEMENT REMOVED (CONCRETE PARKING AREA) SY	202 FENCE REMOVED FT	202 WALK REMOVED SF	202 STEPS REMOVED (INCLUDES PORCH) FT	202 CURB REMOVED FT	202 REMOVAL, MISC.: BOULDER/BLOCK REMOVED EACH	202 REMOVAL, MISC.: POST REMOVED EACH	202 SPECIAL - DRILLED WELL ABANDONED EACH	253 PAVEMENT REPAIR, AS PER PLAN SY	452 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P SY	530 RETAINING WALL, STACKED STONE WALL SF	607 FENCE, MISC.: BIKEWAY RAILING PER ODOT RM-5.2 FT	608 4" CONCRETE WALK SF	608 6" CONCRETE WALK SF	608 CONCRETE STEPS, TYPE A FT	608 CURB RAMP (6" THICK CONC) SF	608 DETECTABLE WARNING SF	609 CURB, TYPE 6 FT	609 COMBINATION CURB AND GUTTER, TYPE 2 FT	611 MANHOLE ADJUSTED TO GRADE, AS PER PLAN EACH	611 MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN EACH	690 MAILBOX REMOVED AND RESET EACH
26	W15	48+31	48+43	LT																					100	20					
26	W16	48+08	49+06	RT																		535		4							
26	W17	48+59	48+71	LT																					100	20					
26	W18	48+86	48+91	LT								48										15		20							
26-27	W19	48+81	49+71	LT																90											
26-27	W20	49+19	50+15	RT																		482			82	10					
26	A1	53+30		RT																										1	
27	C11	50+32	53+25	LT																								333			
27-29	C12	50+32	63+95	RT																								1384			
27-29	C13	53+41	63+95	LT																								1079			
27	MB-1	49+87		LT																											1
27	MB-2	50+60		LT																											1
27	MB-3	51+18		LT																											1
27	R23	50+43		LT		1																									
27	R24	50+41	50+73	RT								275																			
27	R25	52+37	52+42	LT	2																										
27-28	R26	53+30	54+66	RT								556																			
27	R26A	51+85		LT							10																				
27	W21	49+72	50+08	LT								30	24									15		24	332	20					
27	W22	50+38	50+74	LT								18	9											12	332	20					
27	W23	50+34	51+86	RT																		750			83	10					
27	W24	51+51	51+55	LT								35										30									
27	W25	52+05	52+09	RT								43										57									
27	W26	52+29	52+33	LT								66										29		12							
27	W27	52+40	52+75	LT																55											
27	W28	52+82	53+19	LT																					332	20					
27	W29	53+20	53+23	LT								6										6									
27-28	W30	52+84	54+66	RT																		946									
27	W31	53+46	53+83	LT																					332	20					
27	W32	53+95	54+00	LT								20	20							120				35							
27	A1	57+29		RT																										1	
28	F1	58+16	59+18	LT																	104										
28	F2	58+42	58+96	RT																	60										
28	R27	54+62		RT											1																
28	R28	58+97		RT											1																
28	R29	59+18	59+26	RT											1																
28	W33	54+81	58+96	RT																		2086									
28	W34	55+22	55+26	LT								45										40		28							
28	W35	56+17	56+22	LT								47	15									33		20							
28-29	W36	59+15	60+90	RT																		870									
29	W37	61+04	62+22	RT																		585									
29	W38	62+37	63+95	RT																		798									
TOTALS FROM THIS SHEET					**2**	**1**	**0**	**0**	**0**	**0**	**10**	**1189**	**68**	**0**	**3**	**0**	**0**	**0**	**0**	**265**	**164**	**6742**	**0**	**151**	**1593**	**120**	**0**	**2796**	**1**	**1**	**3**
SHEET TOTALS FROM SHEET P.15					**3**	**0**	**1**	**1**	**377**	**173**	**11**	**3632**	**0**	**126**	**7**	**1**	**1**	**88**	**125**	**0**	**0**	**3169**	**60**	**64**	**2295**	**240**	**17**	**2122**	**1**	**1**	**6**
SUBTOTAL					**5**	**1**	**1**	**1**	**377**	**173**	**21**	**4821**	**68**	**126**	**10**	**1**	**1**	**88**	**125**	**265**	**164**	**9911**	**60**	**215**	**3888**	**360**	**17**	**4918**	**2**	**2**	**9**
TOTALS CARRIED TO GENERAL SUMMARY					**5**	**1**	**1**	**1**	**377**	**173**	**21**	**4821**	**68**	**126**	**10**	**1**	**1**	**88**	**125**	**265**	**164**	**9911**	**60**	**215**	**3888**	**360**	**17**	**4918**	**2**	**2**	**9**

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
PH 614.460.4343
FAX 614.360.0033

DESIGNER MRO

REVIEWER SRH 05/16/25

PROJECT ID 119487

SHEET P.16 | TOTAL P.108

LIC-TR1135-0.58

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:13:21 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_GS002.dgn

SHEET NO.	REFERENCE. NO.	STATION FROM	STATION TO	SIDE	202 PIPE REMOVED, 24" AND UNDER	202 INLET REMOVED	601 ROCK CHANNEL PROTECTION TYPE C WITH FILTER	602 CONCRETE MASONRY	605 4" BASE PIPE UNDERDRAINS	611 12" CONDUIT, TYPE B	611 15" CONDUIT, TYPE B	611 18" CONDUIT, TYPE B	611 24" CONDUIT, TYPE B	611 CATCH BASIN, CB-3A	611 MANHOLE, NO. 3	611 MANHOLE, NO. 3 (108" BASE)	895 MANUFACTURED WATER QUALITY STRUCTURE, TYPE 4
					FT	EACH	CY	CY	FT	FT	FT	FT	FT	EACH	EACH	EACH	EACH
25	D142	40+34		RT						25				1			
25	D141	40+34	40+43	LT						14				1			
25	D140	40+43	42+74	LT						228					1		
25	D135	41+43	41+55	RT						12				1			
25	D134	41+55	42+08	RT						51				1			
25	D133	42+08	42+74	RT						64				1			
25	D132	42+74		RT						30				1			
25	D131	42+74		LT						9				1			
25	D130	42+74	44+49	LT							171				1		
25	D125	43+25	43+46	RT						24				1			
25	D124	43+46	44+48	RT						102				1			
25	D122	44+48	44+49	RT						41				1			
25	D121	44+49		LT						6				1			
25	D120	44+49	46+42	LT								189			1		
25	R50	42+90	43+42	LT	52	1											
25	R51	42+91		RT		1											
25	R52	43+42	44+88	LT	146	1											
25	UD1	40+23	43+09	LT					307								
25	UD2	40+23	41+40	RT					134								
25	UD3	41+57	43+23	RT					216								
25	UD4	43+36	44+93	LT					180								
25	UD5	43+49	44+90	RT					179								
26	D112	46+46		RT						27				1			
26	D111	46+43		LT						12				1			
26	D110	46+42	46+54	LT								18			1		
26	D105	46+58	47+34	LT								72	40		1	1	1
26	D102	47+34		RT						41				1			
26	D101	47+34		LT						6				1			
26	D100	47+34	48+25	LT								87			1		
26	D91	48+25		LT						6				1			
26-27	D90	48+25	49+66	LT								137			1		
26-27	D83	48+83	49+66	RT						80				1			
26	UD6	45+10	46+64	LT					177								
26	UD7	45+04	46+65	RT					178								
26	UD8	46+87	48+44	LT					191								
26-27	UD9	46+89	49+64	RT					360								
26-27	UD10	48+59	49+62	LT					189								
26	R53	44+88	46+37	LT	149	1											
26	R54	46+37	48+35	LT	198	1											
26-27	R55	48+35	49+84	LT	150	1											
27	D82	49+66		RT						41				1			
27	D81	49+66		LT						6				1			
27	D80	49+66	50+84	LT								115			1		
27	D72	50+84		RT						41				1			
27	D71	50+84		LT						6				1			
TOTALS CARRIED TO SHEET P.18					**695**	**6**	**0.0**	**0.00**	**2111**	**872**	**171**	**618**	**40**	**21**	**8**	**1**	**1**

DRAINAGE SUBSUMMARY

LIC-TR1135-0.58

MODEL: Sheet_Sun-Fri PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:13:21 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_GS003.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL 614.340.4400
FAX 614.360.0003

DESIGNER MRO

REVIEWER SRH 05/16/25

PROJECT ID 119487

SHEET P.17 TOTAL P.108

SHEET NO.	REFERENCE. NO.	STATION FROM	STATION TO	SIDE	202 PIPE REMOVED, 24" AND UNDER	202 INLET REMOVED	601 ROCK CHANNEL PROTECTION TYPE C WITH FILTER	602 CONCRETE MASONRY	605 4" BASE PIPE UNDERDRAINS	611 12" CONDUIT, TYPE B	611 15" CONDUIT, TYPE B	611 18" CONDUIT, TYPE B	611 24" CONDUIT, TYPE B	611 CATCH BASIN, CB-3A	611 MANHOLE, NO. 3	611 MANHOLE, NO. 3 (108" BASE)	895 MANUFACTURED WATER QUALITY STRUCTURE, TYPE 4
					FT	EACH	CY	CY	FT	FT	FT	FT	FT	EACH	EACH	EACH	EACH
27	D70	50+84	52+09	LT									121		1		
27	D62	52+09		RT						41				1			
27	D61	52+09		LT						6				1			
27	D60	52+09	52+99	LT									86		1		
27	D51	52+99		LT						12				1			
27	D50	52+99	54+09	LT									106		1		
27	D42	54+09		RT						41				1			
27	D41	54+09		LT						6				1			
27-28	D40	54+09	56+09	LT									196		1		
27	UD11	50+34	53+23	LT					329								
27-28	UD12	50+34	63+93	RT					1380								
27-29	UD13	53+43	63+93	LT					1078								
27	R56	49+84		RT		1											
27	R57	49+84	51+78	LT	194	1											
27	R58	51+78	53+14	LT	136	1											
27-28	R59	53+14	54+72	LT	158	1											
28	D32	56+09		RT						33				1			
28	D31	56+09		LT						14				1			
28	D30	56+09	57+34	LT									121		1		
28	D21	57+34		LT						14				1			
28	D20	57+34	58+09	LT									79		1		
28	D12	58+13		RT						25				1			
28	D11	58+13		LT						22				1			
28	D10	58+09	58+74	LT				0.46					56		1		
28	D1	58+74		LT			1.4										
28	D50	58+77		RT			1.4										
28-29	D151	58+77	60+54	RT				0.21		173					1		
28	R60	54+72	56+49	LT	177	1											
28	R61	56+49	57+37	LT	89	1											
28	R62	57+37	58+79	LT	142	1											
29	D152	60+54		RT						5				1			
29	D153	60+54		LT						25				1			
29	D154	60+54	63+54	RT						296					1		
29	D155	63+54		RT						5				1			
29	D156	63+54		LT						25				1			
TOTALS FROM THIS SHEET					**896**	**7**	**2.8**	**0.67**	**2787**	**743**	**0**	**0**	**765**	**14**	**9**	**0**	**0**
SHEET TOTALS FROM SHEET P.17					**695**	**6**	**0.0**	**0.00**	**2111**	**872**	**171**	**618**	**40**	**21**	**8**	**1**	**1**
SUBTOTAL					**1591**	**13**	**2.8**	**0.67**	**4898**	**1615**	**171**	**618**	**805**	**35**	**17**	**1**	**1**
TOTALS CARRIED TO GENERAL SUMMARY					**1591**	**13**	**2.8**	**0.67**	**4898**	**1615**	**171**	**618**	**805**	**35**	**17**	**1**	**1**

DRAINAGE SUBSUMMARY

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.440.4422
FAX: 614.360.0023

DESIGNER MRO

REVIEWER SRH 05/16/25

PROJECT ID 119487

SHEET P.18 | TOTAL P.108

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:13:22 AM USER: morr
F:\Clients\Active\LCTL\CT002\119487\400-Engineering\Roadway\Sheets\119487_GS004.dgn

STATION		SIDE	CAD AREA - SURFACE	CAD AREA - CONCRETE BASE	CAD AREA - SUBGRADE	202 PAVEMENT REMOVED	204 SUBGRADE COMPACTION	204 PROOF ROLLING	206 CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP	206 CEMENT	206 CURING COAT	254 PAVEMENT PLANING, ASPHALT CONCRETE, 3"	301 8" ASPHALT CONCRETE BASE	304 6" AGGREGATE BASE (LIMESTONE)	407 NON-TRACKING TACK COAT	441 1 ¼" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (449) PG64-22	441 1 ¾" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (449) PG64-22	617 12" COMPACTED AGGREGATE
			SF	SF	SF	SY	SY	HOURS	SY	TON	SY	SY	CY	CY	GAL	CY	CY	CY
PIKE STREET RESURFACING																		
39+98	40+23		620									69			12	3	4	
PIKE STREET FULL DEPTH																		
INCLUDES SIDE ROAD RADIUS																		
40+23	63+95		77445	81114	92121	5733		4	10236	296	10236		2003	1706	1033	299	419	
CANAL STREET																		
46+75	46+75		732	759	821	81	92	1					19	16	14	3	4	7
PIKE STREET SHARED USE PATH																		
42+34	63+95	LT	15129		16769		1864							311	202	58	82	
SOUTH STREET			1072		1182		132							22	15	4	6	
TOTALS CARRIED TO GENERAL SUMMARY						5814	2088	5	10236	296	10236	69	2022	2055	1276	367	515	7

SHEET NO.	REFERENCE. NO.	LOCATION	STATION FROM	STATION TO	SIDE	202 SPECIAL - FILL AND PLUG EXISTING CONDUIT	202 PIPE REMOVED	638 12" WATER MAIN PVC C900, (DR18)	638 6" GATE VALVE (ON HYDRANT LEAD OVER 15')	638 3/4"COPPER SERVICE BRANCH	638 FIRE HYDRANT REMOVED AND RESET, AS PER PLAN (INCLUDES VALVE AND 6" LINE)	638 12" GATE VALVE AND VALVE BOX	638 VALVE BOX ADJUSTED TO GRADE, AS PER PLAN
			FT	FT		FT	FT	FT	EACH	FT	EACH	EACH	EACH
87	WL-1	PIKE ST	44+23		LT						1		
87	WL-2	PIKE ST	44+19	44+50	LT		17	36					
87	WL-3	PIKE ST	44+40	44+50	LT	9							
87	WL-4	PIKE ST	43+10		LT								1
87	WL-5	PIKE ST	43+13		LT								1
88	WL-1	PIKE ST	44+57		LT							1	
88	WL-2	PIKE ST	44+50	49+50	LT			500		432			
88	WL-3	PIKE ST	47+00		LT							1	
88	WL-4	PIKE ST	49+23		LT				1		1		
88	WL-5	PIKE ST	44+50	49+50	LT	500							
89	WL-1	PIKE ST	50+00		LT							1	
89	WL-2	PIKE ST	49+50	54+42	LT		5	497		547			
89	WL-3	PIKE ST	49+50	54+37	LT	492							
89	WL-4	PIKE ST	52+53		LT				1		1		
89	WL-5	PIKE ST	54+00		LT							1	
90	WL-1	PIKE ST	56+41		LT						1		
90	WL-2	PIKE ST	56+45		LT								1
91	WL-1	PIKE ST	60+12		LT						1		
TOTALS CARRIED TO GENERAL SUMMARY						1001	22	1033	2	979	5	4	3

PAVEMENT AND WATER WORKS SUBSUMMARY

LIC-TR1135-0.58

MODEL: Sheet_Sum-FI PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:13:23 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_GS005.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL 614.340.4455
FAX 614.360.0023

DESIGNER MRO

REVIEWER SRH 05/16/25

PROJECT ID 119487

SHEET P.19 TOTAL P.108

DRIVEWAY SUBSUMMARY

REFERENCE NO.	SHEET NO.	STATION	SIDE	EXISTING MATERIAL	PROPOSED MATERIAL	DRIVE TYPE	SURFACE AREA	202 PAVEMENT REMOVED, DRIVEWAY	204 SUBGRADE COMPACTION	452 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS	452 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS
							SQ FT	SQ YD	SQ YD	SQ YD	SQ YD
DR-1	78	47+81	RT	GRAVEL	CONCRETE	RES.	559	62	62	62	
DR-2	78	48+01	RT	GRAVEL	CONCRETE	RES.					
DR-3	78	49+12	RT	GRAVEL	CONCRETE	RES.	230	26	26	26	
DR-4	78	51+92	LT	GRAVEL	CONCRETE	RES.	195	22	22	22	
DR-5	78	51+93	RT	GRAVEL	CONCRETE	RES.	230	26	26	26	
DR-6	79	52+40	RT	ASPHALT	CONCRETE	RES.	893	99	99	99	
DR-7	79	52+68	RT	GRAVEL	CONCRETE	RES.					
DR-8	79	54+57	LT	GRAVEL	CONCRETE	RES.	333	37	37	37	
DR-9	79	54+73	RT	GRAVEL	CONCRETE	RES.	248	28	28	28	
DR-10	80	55+43	LT	GRAVEL	CONCRETE	RES.	282	31	31	31	
DR-11	80	56+70	LT	ASPHALT	CONCRETE	RES.	583	65	65	65	
DR-12	80	57+73	LT	GRAVEL	CONCRETE	RES.	1160	129	129	129	
DR-13	81	59+08	RT	ASPHALT	CONCRETE	RES.	527	59	59	59	
DR-14	81	59+26	LT	GRAVEL	CONCRETE	COM.	504	56	56		56
DR-15	81	60+96	RT	CONCRETE	CONCRETE	RES.	376	42	42	42	
DR-16	82	62+21	LT	ASPHALT	CONCRETE	COM	1208	134	134		134
DR-17	82	62+26	RT	ASPHALT	CONCRETE	RES.	425	47	47	47	
TOTALS CARRIED TO GENERAL SUMMARY								**863**	**863**	**672**	**191**

LIC-TR1135-0.58

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:13:23 AM USER: morr
F:\Clients\Active\LCTLCT0002\119487\400-Engineering\Roadway\Sheets\119487_GS006.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL 614.360.6503
FAX 614.360.0023

DESIGNER
MRO

REVIEWER
SRH 05/16/25

PROJECT ID
119487

SHEET P.20 | TOTAL P.108

SHEET NO.	REFERENCE. NO.	LOCATION	STATION		SIDE	644								
						EDGE LINE, 6", WHITE	CENTER LINE, 5", YELLOW, DOUBLE SOLID	STOP LINE, 20", WHITE	CROSSWALK LINE LINE, 12", WHITE	TRANSVERSE/DIAGONAL LINE, YELLOW, 24"	TRANSVERSE/DIAGONAL LINE, WHITE, 12"	SHARED LANE MARKING (SHARROW)	HANDICAP SYMBOL MARKING	PARKING LOT STALL MARKING
			FROM	TO		MILE	MILE	FT	FT	FT	FT	EACH	EACH	FT
98	CL1	CL PIKE ST	39+98	41+23	CT		0.02							
98	CL2	CL PIKE ST	41+75	42+77	CT		0.02							
98	CL3	CL PIKE ST	43+69	44+76	CT		0.02							
98	CL4	CL PIKE ST	45+30	46+31	CT		0.02							
98	CL5	CL PIKE ST	47+19	49+79	CT		0.05							
98	CW1	CL PIKE ST	41+39	41+65	RT				78					
98	CW2	CL PIKE ST	42+98	43+44	LT				76					
98	CW3	CL PIKE ST	43+22	43+49	RT				48					
98	CW4	CL PIKE ST	44+92	45+09	LT				28					
98	CW5	CL PIKE ST	44+90	44+04	RT				26					
98	CW6	CL PIKE ST	46+56	46+96	LT				64					
98	CW7	CL PIKE ST	46+62	46+92	RT				52					
98	CW8	CL PIKE ST	48+38	48+63	LT				33					
98	EL1	CL PIKE ST	40+44	41+23	RT	0.01								
98	EL2	CL PIKE ST	41+75	43+05	RT	0.02								
98	EL3	CL PIKE ST	43+69	44+92	LT	0.03								
98	EL4	CL PIKE ST	44+23	44+90	RT	0.01								
98	EL5	CL PIKE ST	45+05	46+43	RT	0.03								
98	EL6	CL PIKE ST	45+09	46+31	LT	0.02								
98	EL7	CL PIKE ST	47+11	50+00	RT	0.05								
98	EL8	CL PIKE ST	47+19	48+38	LT	0.02								
98	EL9	CL PIKE ST	48+63	49+79	LT	0.02								
98	HC-1	CL PIKE ST	41+48		LT								1	
98	HC-2	CL PIKE ST	41+68		LT								1	
98	HC-3	CL PIKE ST	43+84		LT								1	
98	HC-4	CL PIKE ST	44+13		LT								1	
98	PL-1	CL PIKE ST	41+00	42+18	LT									180
98	PL-2	CL PIKE ST	44+28		LT									8
98	SH-1	CL PIKE ST	41+45		RT							1		
98	SH-2	CL PIKE ST	41+51		RT							1		
98	SL-1	CL PIKE ST	43+09	43+22	LT			13						
98	SL-2	CL PIKE ST	43+36	43+47	RT			11						
98	SL-3	CL PIKE ST	44+93	44+99	LT			6						
98	SL-4	CL PIKE ST	44+97	45+03	RT			6						
98	SL-5	CL PIKE ST	46+77	46+87	RT			10						
98	SL-6	CL PIKE ST	46+64	46+75	LT			11						
98	SL-7	CL PIKE ST	48+45	48+51	LT			6						
98	SL-8	CL PIKE ST	41+48	41+54	RT			6						
98	WT-1	CL PIKE ST	40+82	40+91	LT						37			
98	WT-2	CL PIKE ST	41+53	41+63	LT						104			
98	WT-3	CL PIKE ST	42+26	42+34	LT						34			
98	WT-4	CL PIKE ST	44+00	44+05	LT						36			
98	WT-5	CL PIKE ST	43+49	43+67	RT						105			
98	YT-1	CL PIKE ST	47+70	48+13	RT					84				
98	YT-2	CL PIKE ST	49+01	49+24	RT					52				
TOTALS CARRIED TO SHEET P.22						**0.21**	**0.13**	**69**	**405**	**136**	**316**	**2**	**4**	**188**

LIC-TR1135-0.58

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:13:24 AM USER: morr
F:\Clients\Active\LCTLCT0021119487\400-Engineering\Roadway\Sheets\119487_GS007.dgn

TRAFFIC CONTROL SUBSUMMARY

DESIGN AGENCY
verdantas
1550 WEST MAIN STREET
NEWARK, OH 43055
TEL 614.440.4455
FAX 614.360.0023

DESIGNER MRO

REVIEWER SRH 05/16/25

PROJECT ID 119487

SHEET P.21 | TOTAL P.108

SHEET NO.	REFERENCE. NO.	LOCATION	STATION		SIDE	644								
						EDGE LINE, 6", WHITE	CENTER LINE, 5", YELLOW, DOUBLE SOLID	STOP LINE, 20", WHITE	CROSSWALK LINE LINE, 12", WHITE	TRANSVERSE/DIAGONAL LINE, YELLOW, 24"	TRANSVERSE/DIAGONAL LINE, WHITE, 12"	SHARED LANE MARKING (SHARROW)	HANDICAP SYMBOL MARKING	PARKING LOT STALL MARKING
			FROM	TO		MILE	MILE	FT	FT	FT	FT	EACH	EACH	FT
99	CL-1	CL PIKE ST	50+67	52+90	CT		0.04							
99	CL-2	CL PIKE ST	53+76	60+00	CT		0.12							
99	CW-1	CL PIKE ST	50+03	50+42	LT				64					
99	CW-2	CL PIKE ST	50+15	50+33	RT				34					
99	CW-3	CL PIKE ST	53+14	53+52	LT				60					
99	EL-1	CL PIKE ST	50+67	52+90	LT	0.04								
99	EL-2	CL PIKE ST	53+76	54+38	LT	0.01								
99	EL-3	CL PIKE ST	50+47	57+13	RT	0.13								
99	SL-1	CL PIKE ST	50+12	50+23	LT			11						
99	SL-2	CL PIKE ST	50+24	50+32	RT			8						
99	SL-3	CL PIKE ST	53+22	53+32	LT			10						
99	YT-1	CL PIKE ST	51+81	52+04	LT					52				
99	YT-2	CL PIKE ST	51+81	52+90	RT					188				
99	YT-3	CL PIKE ST	54+61	54+86	RT					55				
100	CL-1	CL PIKE ST	60+00	63+95	CT		0.07							
101	CW-1	SOUTH ST	41+09	41+84	RT				86					
101	SH-1	ALLEY	41+53		RT							1		
101	SH-2	ALLEY	41+59		RT							1		
101	SH-3	ALLEY	41+54		RT							1		
101	SH-4	ALLEY	41+57		RT							1		
101	SH-5	ALLEY	41+44		RT							1		
101	SH-6	ALLEY	41+50									1		
TOTALS FROM THIS SHEET						**0.18**	**0.23**	**29**	**244**	**295**	**0**	**6**	**0**	**0**
SHEET TOTALS FROM SHEET P.21						**0.21**	**0.13**	**69**	**405**	**136**	**316**	**2**	**4**	**188**
SUBTOTAL						**0.39**	**0.36**	**98**	**649**	**431**	**316**	**8**	**4**	**188**
TOTALS CARRIED TO GENERAL SUMMARY						**0.39**	**0.36**	**98**	**649**	**431**	**316**	**8**	**4**	**188**

TRAFFIC CONTROL SUBSUMMARY

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 740.344.4455
FAX: 614.360.0033

DESIGNER MRO

REVIEWER SRH 05/16/25

PROJECT ID 119487

SHEET P.22 TOTAL P.108

LIC-TR1135-0.58

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:13:25 AM USER: morr
F:\Clients\Active\LCTLCT0022119487\400-Engineering\Roadway\Sheets\119487_GS008.dgn

SHEET NO.	REFERENCE. NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	630						
							GROUND MOUNTED SUPPORT, NO. 3 POST	STREET NAME SIGN SUPPORT, NO. 3 POST	SIGN POST REFLECTOR	SIGN, FLAT SHEET	SIGN, DOUBLE FACED, STREET NAME	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL
							FT	FT	EACH	SF	EACH	EACH	EACH
						W x H							
98	R1	PIKE STREET	43+09	LT								1	1
98	R2	PIKE STREET	43+41	LT								1	1
98	R3	PIKE STREET	43+49	RT								1	1
98	R4	PIKE STREET	43+82	LT								2	1
98	R5	PIKE STREET	44+00	LT								2	1
98	R6	PIKE STREET	46+61	LT								1	1
98	R7	PIKE STREET	46+92	LT								1	1
98	R8	PIKE STREET	46+92	RT								1	1
98	S1	PIKE STREET	43+03	LT	R1-1-30	30 x 30	13.00		1	6.25			
98	S2	PIKE STREET	43+41	LT	D3-H3-36**	36 x 12		23.00			1		
						x							
98	S3	PIKE STREET	43+50	RT	R1-1-30	30 x 30	13.00		1	6.25			
98	S4	PIKE STREET	43+70	LT	D9-6-24	24 x 24	12.50			4.00			
98	S5	PIKE STREET	44+06	LT	D9-6-24	24 x 24	12.50			4.00			
98	S6	PIKE STREET	45+06	RT	R1-1-30	30 x 30	13.00		1	6.25			
98	S7	PIKE STREET	46+59	LT	R1-1-30	30 x 30	13.00		1	6.25			
98	S8	PIKE STREET	46+91	LT	D3-H3-36**	36 x 12		23.00			1		
98	S9	PIKE STREET	46+91	RT	R1-1-30	30 x 30	13.00		1	6.25			
98	S10	PIKE STREET	48+38	LT	R1-1-30	30 x 30	13.00		1	6.25			
98	S11	PIKE STREET	41+57	RT	R1-1-30	30 x 30	13.00		1	6.25			
99	R1	PIKE STREET	50+06	LT								1	1
99	R2	PIKE STREET	50+08	LT								1	1
99	R3	PIKE STREET	50+36	RT								1	1
99	R4	PIKE STREET	53+22	LT								1	1
99	R5	PIKE STREET	53+46	LT								1	1
99	R6	PIKE STREET	57+88	RT								1	1
99	R7	PIKE STREET	58+90	LT								1	1
99	S1	PIKE STREET	50+05	LT	D3-H3-36**	36 x 12		23.00			1		
99	S2	PIKE STREET	50+07	LT	R1-1-30	30 x 30	13.00		1	6.25			
99	S3	PIKE STREET	50+37	RT	R1-1-30	30 x 30	13.00		1	6.25			
99	S4	PIKE STREET	53+12	LT	R1-1-30	30 x 30	13.00		1	6.25			
99	S5	PIKE STREET	53+48	LT	D3-H3-36**	36 x 12		23.00			1		
99	S6	PIKE STREET	58+00	RT	R2-1-30	30 x 36	13.50			7.50			
99	S7	PIKE STREET	58+78	LT	R2-1-30	30 x 36	13.50			7.50			
				** = DOUBLE POSTS									
TOTALS CARRIED TO GENERAL SUMMARY							**182.00**	**92.00**	**10**	**85.50**	**4**	**17**	**15**

LIC-TR1135-0.58

MODEL: Sheet_Surv1 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:13:26 AM USER: morr
F:\Clients\Active\LCTLCT0021119487\400-Engineering\Roadway\Sheets\119487_GS009.dgn

TRAFFIC CONTROL SUBSUMMARY

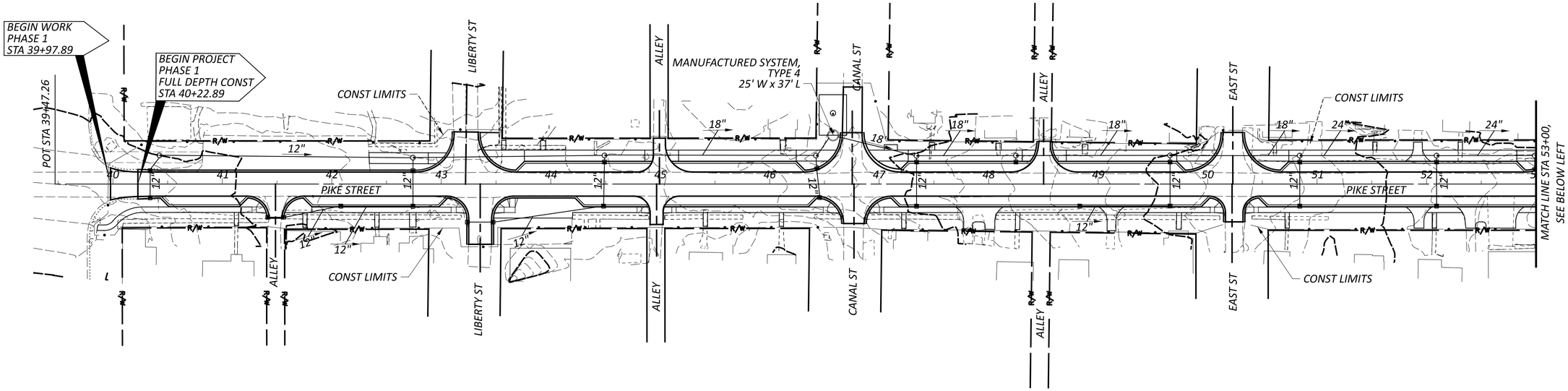
DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL 614.440.4343
FAX 614.360.0033

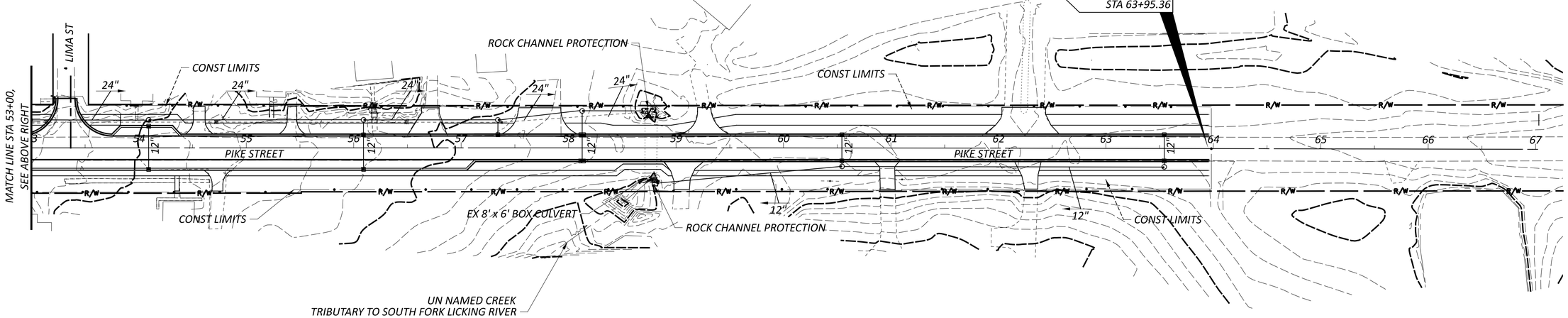
DESIGNER
MRO

REVIEWER
SRH 05/16/25

PROJECT ID
119487

SHEET P.23 | TOTAL P.108





BMP TYPE	LATITUDE	LONGITUDE
MANUFACTURED SYSTEM, 4	39.5727	82.4049
TREATMENT PROVIDED		1.20 AC
TREATMENT REQUIRED		0.90 AC

LEGEND

- CATCH BASIN
- MANHOLE

PROJECT DATA			
TOTAL AREA (RIGHT OF WAY)	4.50	RUNOFF COEFFICIENT FOR PRE-CONSTRUCTION SITE	0.72
PROJECT EARTH DISTURBED AREA	4.50	RUNOFF COEFFICIENT FOR POST-CONSTRUCTION SITE	0.81
ESTIMATED CONTRACTOR EARTH DISTURBED AREA	0.25	POST-CONSTRUCTION BMP:	MANUFACTURED SYSTEM
NOTICE OF INTENT EARTH DISTURBED AREA	4.75		
IMPERVIOUS (PAVED) AREA FOR PRE-CONSTRUCTION SITE	1.69	IMMEDIATE RECEIVING WATERS	UN NAMED CREEK
IMPERVIOUS (PAVED) AREA FOR POST-CONSTRUCTION SITE	2.88	SUBSEQUENT RECEIVING WATERS	SOUTH FORK LICKING RIVER

USGS MAP: PATASKALA QUADRANGLE
LATITUDE: 39°57'27"
LONGITUDE: 82°40'44"

LONGITUDE AND LATITUDE TO APPROX. CENTER OF PROJECT.

PROJECT DESCRIPTION:
ROADWAY RECONSTRUCTION OF PIKE STREET (TR 1135) FROM JUST EAST OF SR 310 TO ETNA UNITED METHODIST CHURCH. WORK TO INCLUDE IMPROVED ROADWAY WITH SIDEWALK AND SHARED USE PATH ALONG WITH DRAINAGE LIGHTING AND CROSSWALKS.

HORIZONTAL SCALE IN FEET
0 50 100

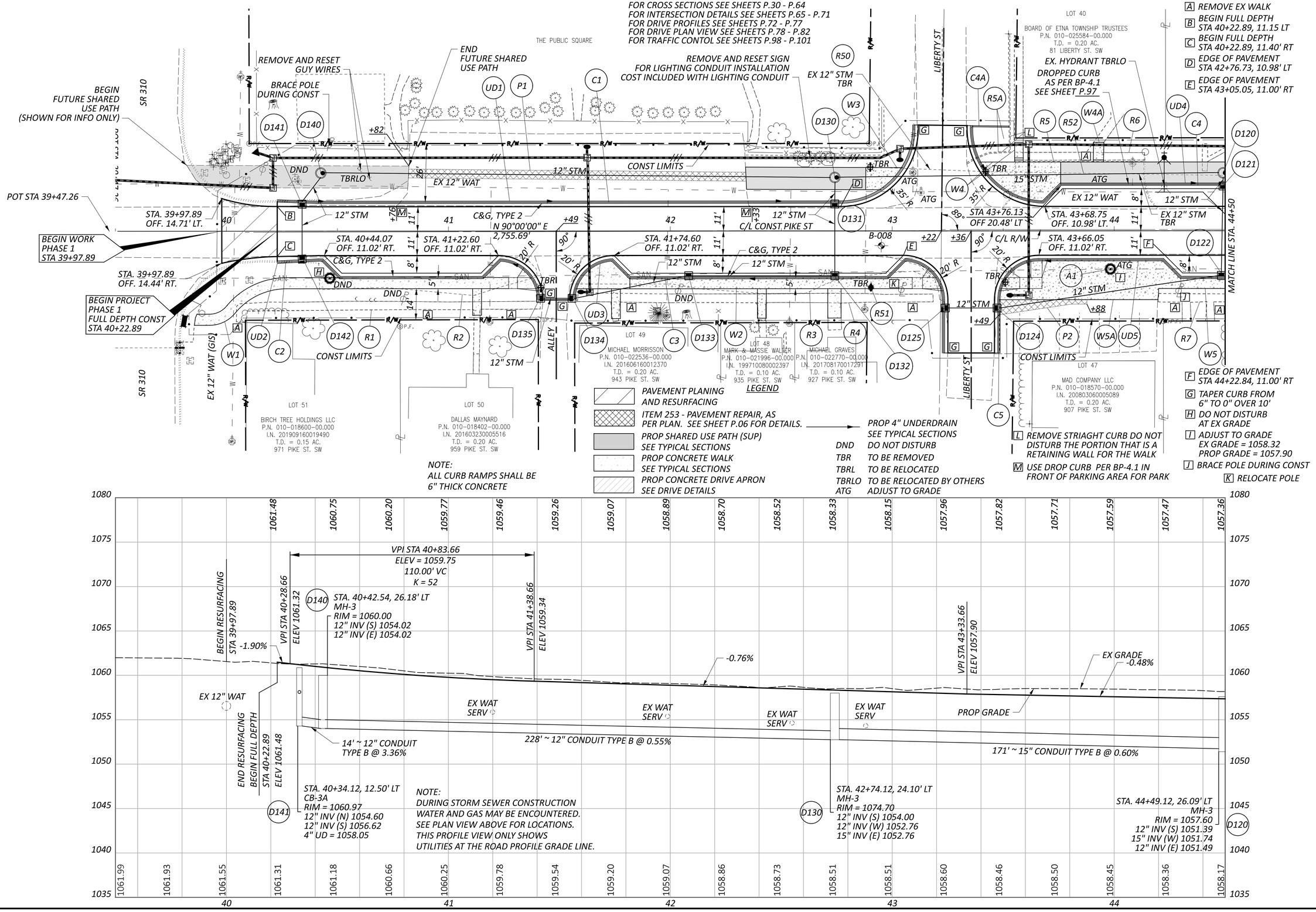
PROJECT SITE PLAN

LIC-TR1135-0.58

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:13:29 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_DE001.dgn

DESIGN AGENCY
verdantas
1550 WEST MAIN STREET
NEWARK, OH 43055
TEL: 740.344.1431
FAX 614.360.6023

DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET P.24 TOTAL P.108



HORIZONTAL SCALE IN FEET
0 10 20 40

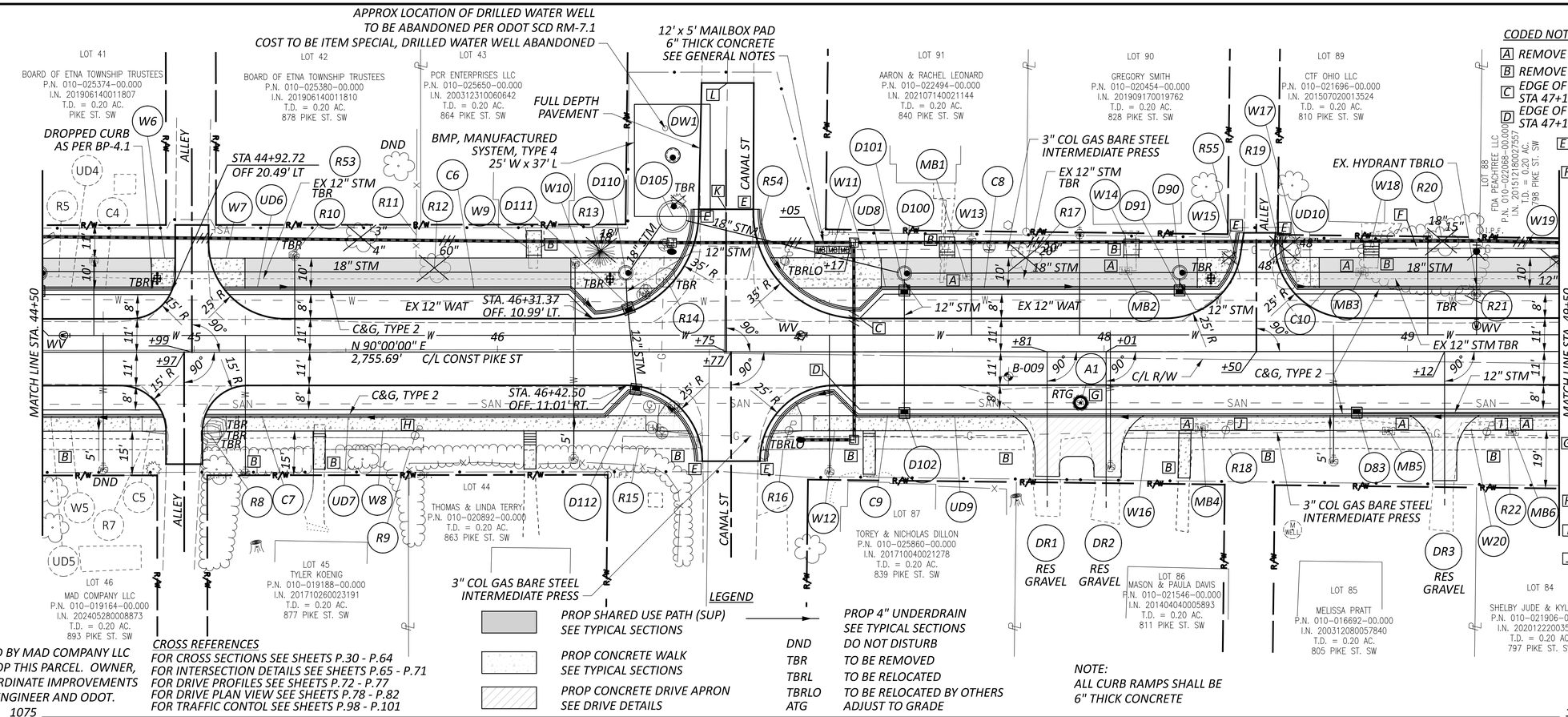
PLAN AND PROFILE - PIKE STREET
STA 39+50 TO STA 44+50

LIC-TR1135-0.58

MODEL: CLP_3 - Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:13:37 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_GP101.dgn

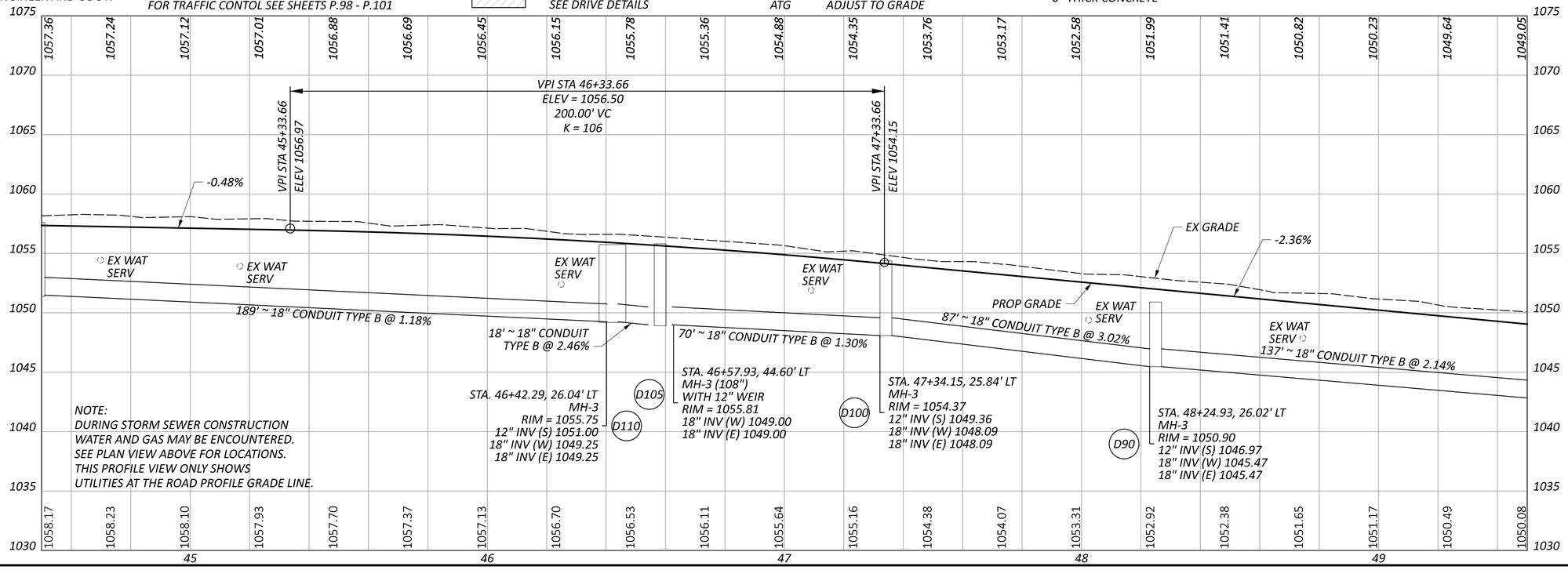
DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL. 614.440.4311
FAX 614.360.0033

DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET P.25 TOTAL P.108



NOTE: LOT 46 OWNED BY MAD COMPANY LLC HAS PLANS TO DEVELOP THIS PARCEL. OWNER, & TOWNSHIP TO COORDINATE IMPROVEMENTS WITH CONTRACTOR, ENGINEER AND ODOT.

CROSS REFERENCES
FOR CROSS SECTIONS SEE SHEETS P.30 - P.64
FOR INTERSECTION DETAILS SEE SHEETS P.65 - P.71
FOR DRIVE PROFILES SEE SHEETS P.72 - P.77
FOR DRIVE PLAN VIEW SEE SHEETS P.78 - P.82
FOR TRAFFIC CONTOL SEE SHEETS P.98 - P.101



PLAN AND PROFILE - PIKE STREET STA 44+50 TO STA 49+50

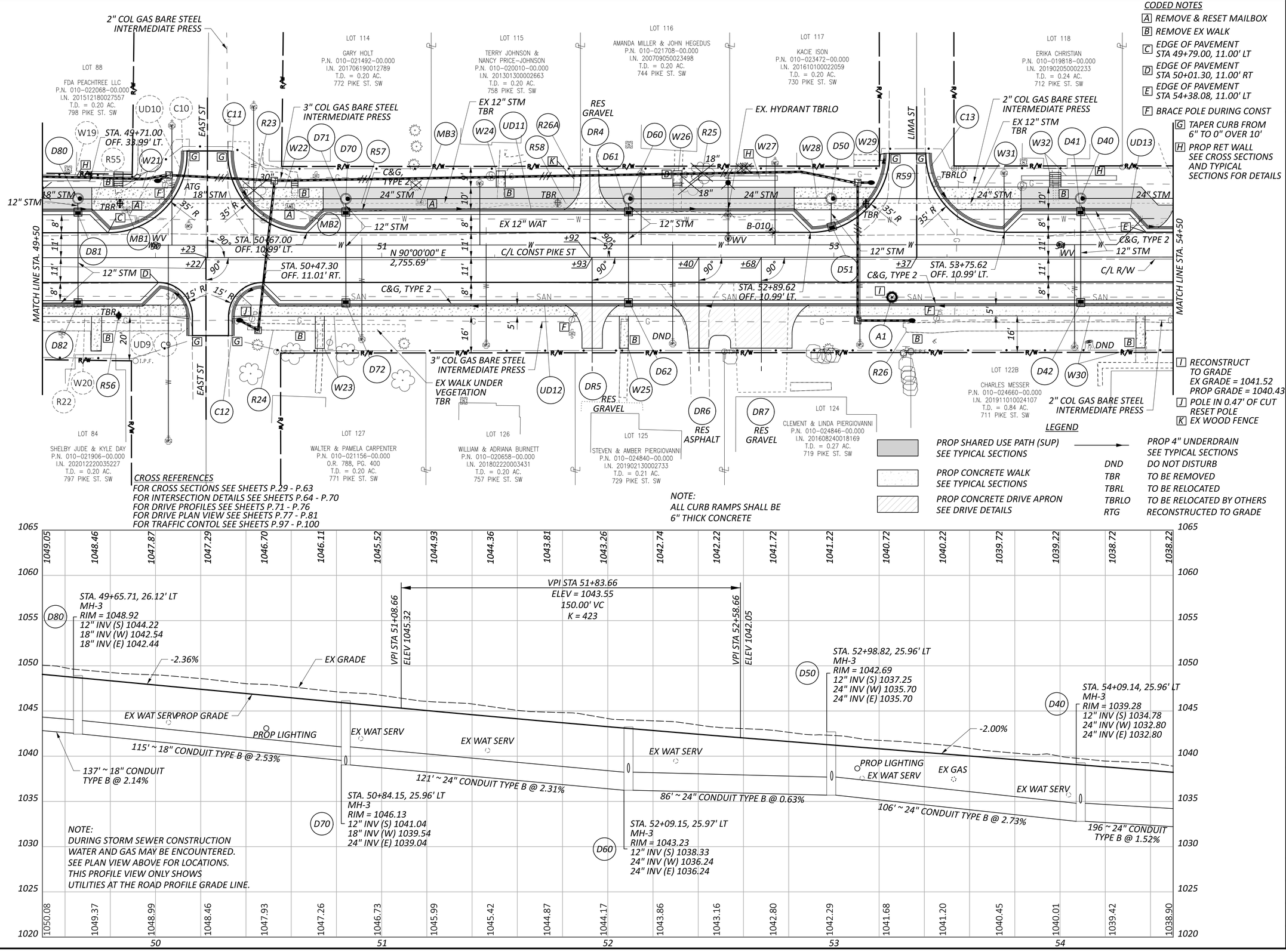
HORIZONTAL SCALE IN FEET 0 10 20 40

LIC-TR1135-0.58

MODEL: CLP_3 - Plan 2 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:13:41 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_GP102.dgn

DESIGN AGENCY verdantas 1555 WEST MAIN STREET NEWARK, OH 43055 PHONE 740.345.5502 FAX 614.360.0023

DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET P.26 TOTAL P.108



PLAN AND PROFILE - PIKE STREET
STA 49+50 TO STA 54+50

LIC-TR1135-0.58

MODEL: CLP_3 - Plan 3 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:13:43 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_GP103.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET NEWARK, OH 43055 PHONE 614.580.4400 FAX 614.300.0023

DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET P.27 TOTAL P.108

LOT 108A
NORMAN & BENETA GOAD
P.N. 010-021054-00.000
O.R. 492, PG. 124
T.D. = 0.39 AC.
695 PIKE ST. SW

LOT 120
REBECCA GREENLEE
P.N. 010-022284-00.000
I.N. 200308190039979
T.D. = 0.20 AC.
680 PIKE ST. SW

STEVEN RUNKLE
P.N. 010-023526-00.000
O.R. 264, PG. 784
T.D. = 1.27 AC.
662 PIKE ST. SW

GLADYS MESSER
P.N. 010-021864-00.000
O.R. 442, PG. 697
T.D. = 1.78 AC.
624 PIKE ST. SW

ETNA HIGH POINT CHURCH
P.N. 010-017610-00.000
I.N. 202311290021674
T.D. = 7.55 AC.
500 PIKE ST. SW

LOT 122B
CHARLES MESSER
P.N. 010-024660-00.000
I.N. 201911010024107
T.D. = 0.84 AC.
711 PIKE ST. SW

LOT 121
JAMIE & CHARLES MESSER
P.N. 010-023088-00.000
I.N. 202103020006437
T.D. = 0.21 AC.
PIKE ST. SW

JAMIE & CHARLES MESSER
P.N. 010-023082-00.000
I.N. 202103020006437
T.D. = 2.66 AC.
PIKE ST. SW

ROSS & ELIZABETH WILLIAMS
P.N. 010-017616-00.001
I.N. 201806280013156
T.D. = 2.05 AC.
565 PIKE ST. SW

MATCH LINE STA. 54+50

MATCH LINE STA. 59+50

RES GRAVEL DR8 R59 C13 EX INLET TBR W34 EX 12" STM TBR EX 12" WAT DR10 RES GRAVEL CONST LIMITS R60 DND D30 W35 EX INLET TBR DND R61 DR11 RES ASPHALT UD13 DND EX INLET TBR 2" COL GAS BARE STEEL INTERMEDIATE PRESS DR12 RES GRAVEL EX 12" WAT 24" STM EX 12" STM TBR DND D10 DND STA. 58+68.82 OFF. 34.35' LT. D1 F1 COMM GRAVEL DR14 PROP FENCE PER ODOT STD DWG RM-5.2

EX STONE WALL 24" STM DND 24" STM EX 12" STM TBR 24" STM D20 R62 12" STM 12" STM D11 12" STM

90° +73 +57 90° 55 13' 11' 83' N 90°00'00" E 2,755.69' +43 90° 80' C/L CONST PIKE ST 56 D31 90° +70 13' 11' 57 B-011 D21 90° 58 +73 D12 C/L R/W +08 93° +26 59

REPLACE 8' OF 12" WAT 12" STM STA. 56+41.12 OFF. 28.39' LT. C&G, TYPE 2 Q 2" S ATG 2" A1 2" 2" M N O

TBR EX BOULDER TBR EX WALK TBRLO W30 R26 DR9 R27 W33 C12 UD12 2" COL GAS BARE STEEL INTERMEDIATE PRESS WALK CONFLICT 0.32' OF CUT D32 NO EARTHWORK HERE EX. HYDRANT TBRLO CONST LIMITS DND BRACE POLE DURING CONSTRUCTION 0.65' OF FILL HERE EX UNNAMED CREEK TRIBUTARY TO SOUTH FORK LICKING RIVER EX 8x6 BOX CUVERT INV = 1022.75 DND PROP FENCE PER ODOT STD DWG RM-5.2 D50 STA. 58+82.69 OFF. 32.79' RT. DR13 RES ASPHALT W36 EX BOULDER TBR R29 EX BOULDER TBR R28

LEGEND

- PROP SHARED USE PATH (SUP) SEE TYPICAL SECTIONS
- PROP CONCRETE WALK SEE TYPICAL SECTIONS
- PROP CONCRETE DRIVE APRON SEE DRIVE DETAILS
- PROP 4" UNDERDRAIN SEE TYPICAL SECTIONS
- DND DO NOT DISTURB
- TBR TO BE REMOVED
- TBRL TO BE RELOCATED
- TBRLO TO BE RELOCATED BY OTHERS
- ATG ADJUST TO GRADE

CROSS REFERENCES

FOR CROSS SECTIONS SEE SHEETS P.30 - P.64
FOR INTERSECTION DETAILS SEE SHEETS P.65 - P.71
FOR DRIVE PROFILES SEE SHEETS P.72 - P.77
FOR DRIVE PLAN VIEW SEE SHEETS P.78 - P.82
FOR TRAFFIC CONTOL SEE SHEETS P.98 - P.101

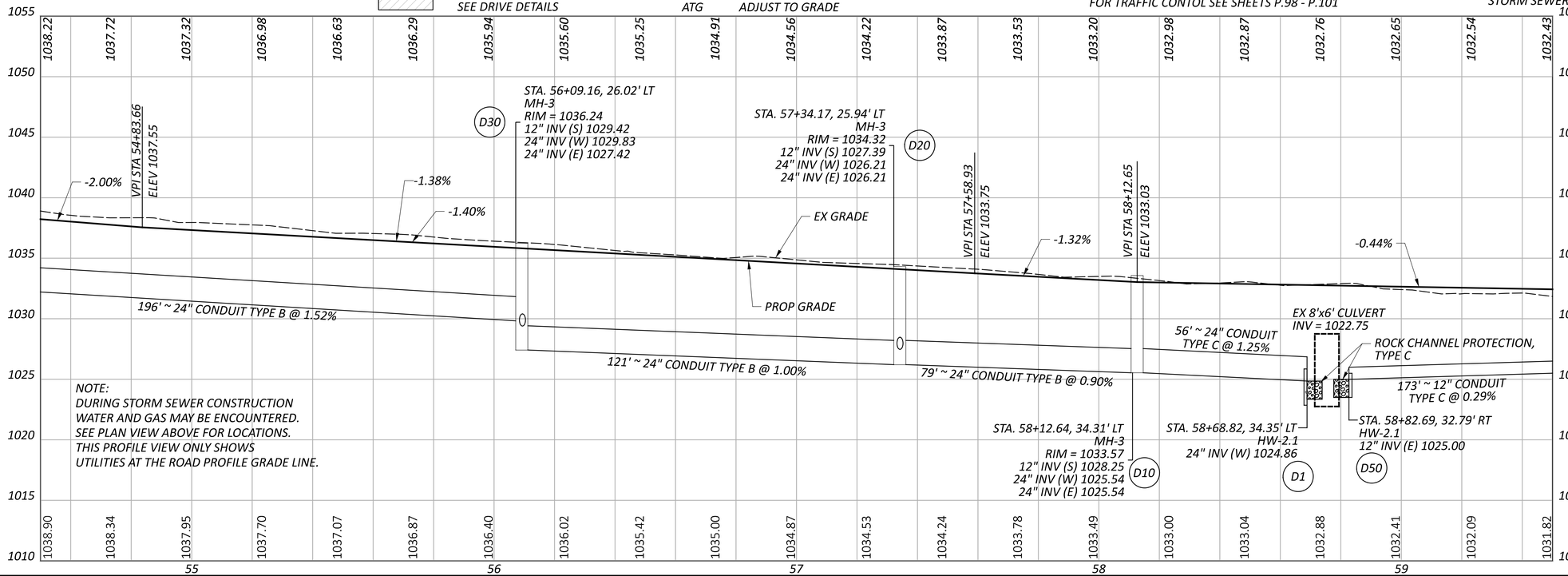
PROP FENCE CORNERS
PER ODOT STD DWG RM-5.2

- A STA 58+42.03, 30.39' RT
- B STA 58+53.08, 22.00' RT
- C STA 58+84.86, 22.00' RT
- D STA 58+95.58, 30.81' RT
- E STA 58+16.20, 29.48' LT
- F STA 58+52.90, 23.02' LT
- G STA 58+95.73, 23.02' LT
- H STA 59+18.15, 29.02' LT

CODED NOTES

- I REMOVE & RESET MAILBOX
- J SUP TRANSITION STA 58+30.05, 23.00' LT
- K SUP TRANSITION STA 58+41.36, 21.00' LT
- L SUP TRANSITION STA 58+95.46, 21.00' LT
- M WALK BEND STA 58+42.82, 21.00' RT
- N WALK BEND STA 58+50.72, 15.00' RT
- O WALK BEND STA 58+87.37, 15.00' RT
- P STEPS AND WALK TO BE REPLACED
- Q EDGE OF PAVEMENT STA 57+12.66, 11.00' RT
- R ROCK CHANNEL PRETECTION TYPE C, W/ FABRIC FILTER 5'W x 5'L x 1.5'D
- S ADJUST TO GRADE EX GRADE = 1034.48 PROP GRADE = 1034.18
- T LANDSCAPING TO BE REMOVED FOR STORM CONSTRUCTION. COST INCLUDED WITH CLEARING AND GRUBBING IF NOT SPECIFICALLY LABELED, INCLUDING WOOD POST (FENCE).
- U DOWNSPOUTS TO BE CONNECTED TO PROP STORM SEWER. SEE SHEET P.05

HORIZONTAL SCALE IN FEET 0 10 20 40



NOTE:
DURING STORM SEWER CONSTRUCTION WATER AND GAS MAY BE ENCOUNTERED. SEE PLAN VIEW ABOVE FOR LOCATIONS. THIS PROFILE VIEW ONLY SHOWS UTILITIES AT THE ROAD PROFILE GRADE LINE.

PLAN AND PROFILE - PIKE STREET
STA 54+50 TO STA 59+50

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
PH. 614.360.0023
FAX 614.360.0023

DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET P.28 TOTAL P.108

LIC-TR1135-0.58

MODEL: CLP_3 - Plan 4 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:13:46 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_GP104.dgn

NOTE TO REVIEWER:
EX WATER TO BE RELOCATED/LOWERED WITH STAGE 3

LEGEND

PROP SHARED USE PATH (SUP) SEE TYPICAL SECTIONS
PROP CONCRETE WALK SEE TYPICAL SECTIONS
PROP CONCRETE DRIVE APRON SEE DRIVE DETAILS
PROP 4" UNDERDRAIN SEE TYPICAL SECTIONS

DND	DO NOT DISTURB
TBR	TO BE REMOVED
TBRL	TO BE RELOCATED
TBRLO ATG	TO BE RELOCATED BY OTHERS ADJUST TO GRADE

CROSS REFERENCES
FOR CROSS SECTIONS SEE SHEETS P.30 - P.64
FOR INTERSECTION DETAILS SEE SHEETS P.65 - P.71
FOR DRIVE PROFILES SEE SHEETS P.72 - P.77
FOR DRIVE PLAN VIEW SEE SHEETS P.78 - P.82
FOR TRAFFIC CONTOL SEE SHEETS P.98 - P.101

ETNA HIGH POINT CHURCH
P.N. 010-017610-00.000
I.N. 202311290021674
T.D. = 7.55 AC.
500 PIKE ST. SW

ROSS & ELIZABETH WILLIAMS
P.N. 010-017616-00.001
I.N. 20180628001 3156
T.D. = 2.05 AC.
565 PIKE ST. SW

BRIAN J SWISHER, TRUSTEE
P.N. 010-017616-00.003
I.N. 20181018000 21886
T.D. = 1.13 AC.
529 PIKE ST. SW

ETNA HIGH POINT CHURCH
P.N. 010-017616-00.002
I.N. 202311290021674
T.D. = 1.71 AC.
499 PIKE ST. SW

R&R JV LLC
P.N. 010-017616-00.000
I.N. 202101040000046
T.D. = 80.06 AC.
493 PIKE ST. SW

EX. HYDRANT TBRLO
MATCH LINE STA. 59+50
STA. 59+56.17 OFF. 21.00' LT.
EX 12" WAT
2" COL GAS BARE STEEL INTERMEDIATE PRESS
COMM ASPHALT
END PROJECT STA 63+95.36
WORK BY OTHERS STA 63+95.36
STA. 63+95.33 OFF. 11.71' LT.
STA. 63+95.39 OFF. 10.29' RT.
80.0'
8.5'
10.0'
10.0'
11.0'
11.0'
10.0'
5.0'
14.5'
12" STM
C/L R/W
EX WAT SERV
C/L CONST PIKE ST
N 90°00'00" E 2,755.69'
C&G, TYPE 2
18" SAN
DND
B-012
POLE IN 0.30' OF FILL
DO NOT DISTURB AT GRADE
RES CONCRETE
RES ASPHALT
EX DRIVE BEING REMOVED BY OTHERS
D153 C13 UD13 DR16 D156 D151 D152 C12 W36 DR15 W37 UD12 DR17 W38 D154 D155

STA. 60+54.47, 17.28' RT
MH-3
RIM = 1031.72
12" INV (N) 1026.26
12" INV (W) 1026.26
12" INV (E) 1026.26
VPI STA 60+18.46
ELEV 1032.14
VPI STA 61+62.43
ELEV 1031.47
STA. 63+54.31, 36.63' LT
MH-3
RIM = 1031.95
12" INV (N) 1027.73
12" INV (W) 1027.73
VPI STA 63+95.36
ELEV 1032.46
-0.44%
-0.47%
+0.43%
EX GRADE
PROP GRADE
EX WAT SERV
173' ~ 12" CONDUIT TYPE C @ 0.73%
296' ~ 12" CONDUIT TYPE C @ 0.50%
EX 18" SAN F/L = 1012.10± DND

1032.43 1032.33 1032.22 1032.11 1031.99 1031.87 1031.76 1031.64 1031.53 1031.52 1031.63 1031.74 1031.84 1031.95 1032.05 1032.16 1032.27 1032.37 1032.46
1031.82 1032.08 1032.16 1032.15 1032.12 1031.91 1032.00 1031.86 1031.85 1032.01 1031.95 1031.99 1031.92 1032.01 1032.16 1032.28 1032.42 1032.59 1032.47 1032.59 1032.70
1050 1045 1040 1035 1030 1025 1020 1015 1010 1005
60 61 62 63 64

HORIZONTAL SCALE IN FEET
0 10 20 40

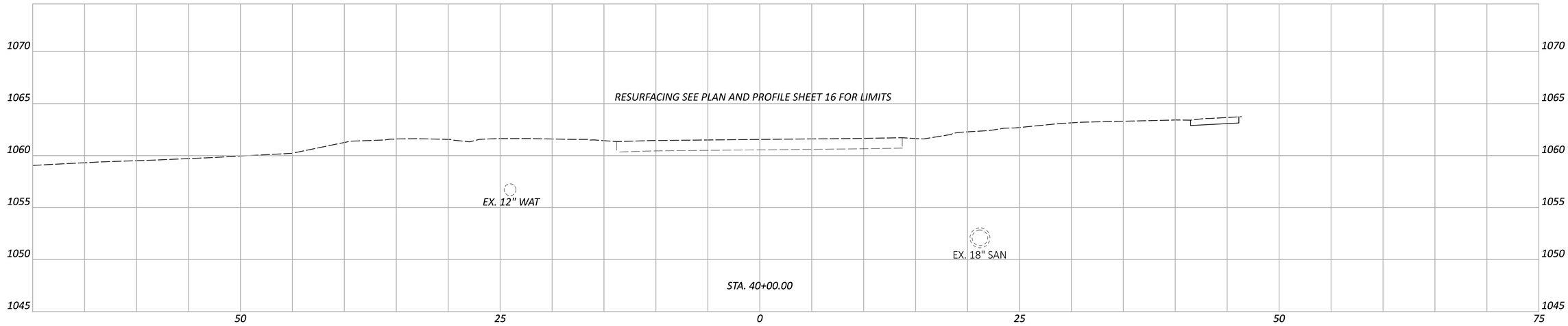
PLAN AND PROFILE - PIKE STREET
STA 59+50 TO STA 63+95

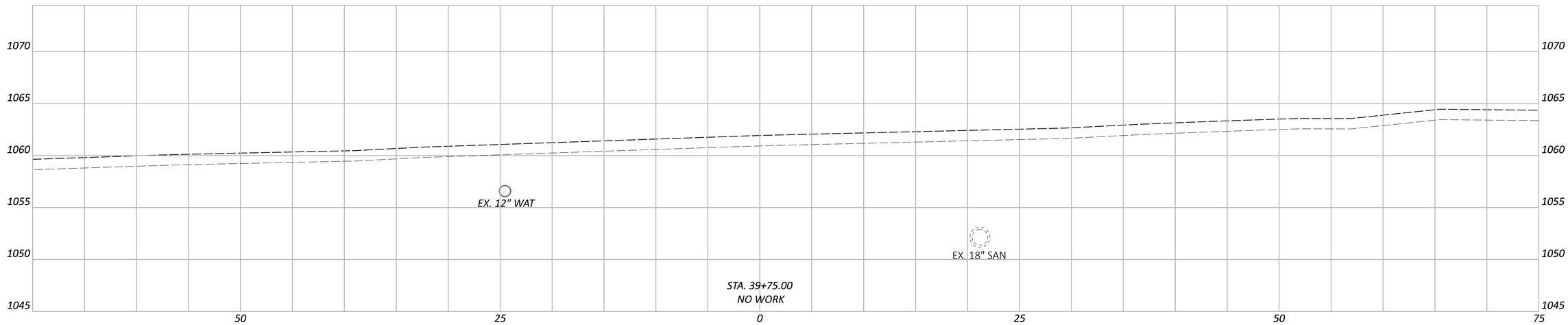
DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.440.4300
FAX: 614.300.0023

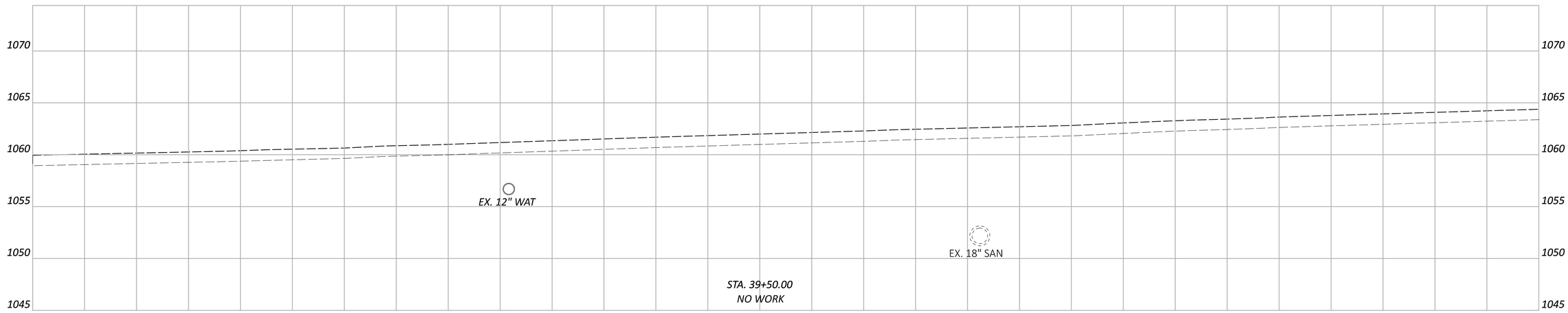
DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET P.29 TOTAL P.108

LIC-TR1135-0.58

MODEL: CLP_3 - Plan 5 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:13:48 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_GP105.dgn







CROSS SECTIONS
PIKE STREET

CROSS SECTION TOTALS	
EXCAVATION	EMBANKMENT
6388 CY	223 CY

Sheet Totals		
Seeding	Cut	Fill
	0	0

DESIGN AGENCY
verdantas
1550 WEST MAIN STREET
NEWARK, OH 43055
PH 614.360.6023
FAX 614.360.6023

DESIGNER MRO

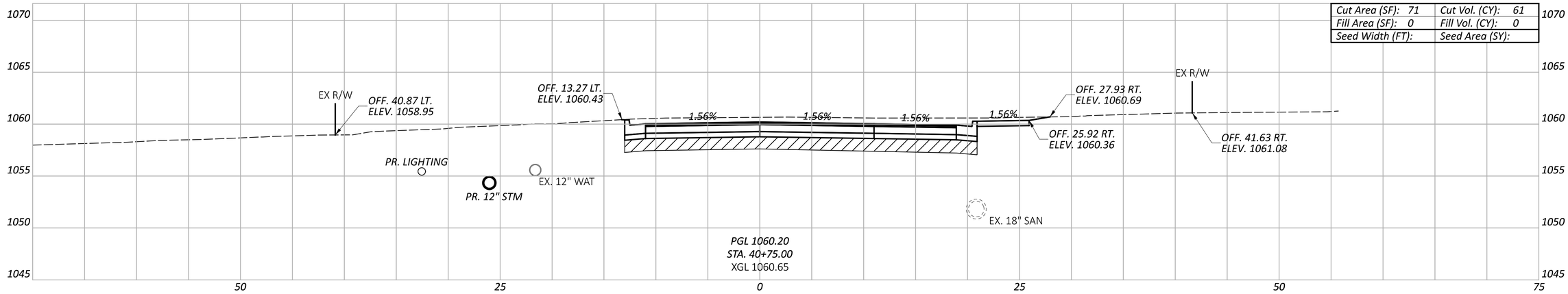
REVIEWER SRH 05/16/25

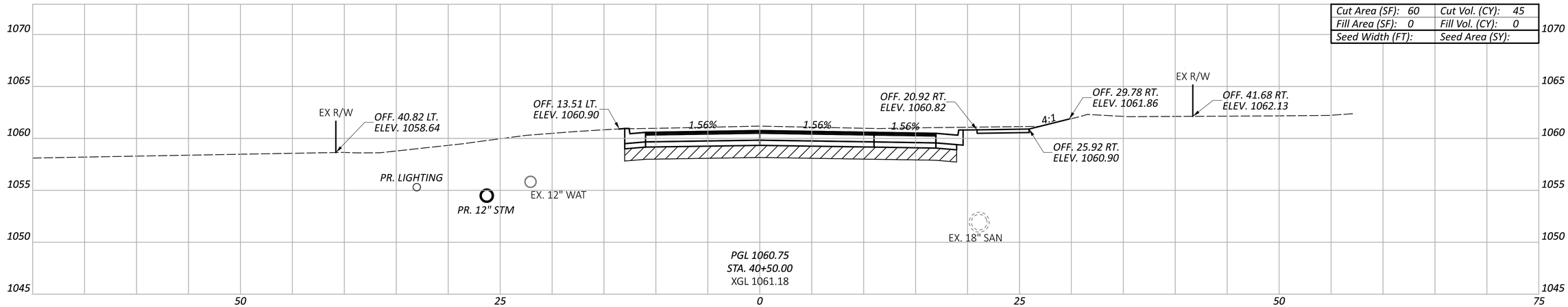
PROJECT ID 119487

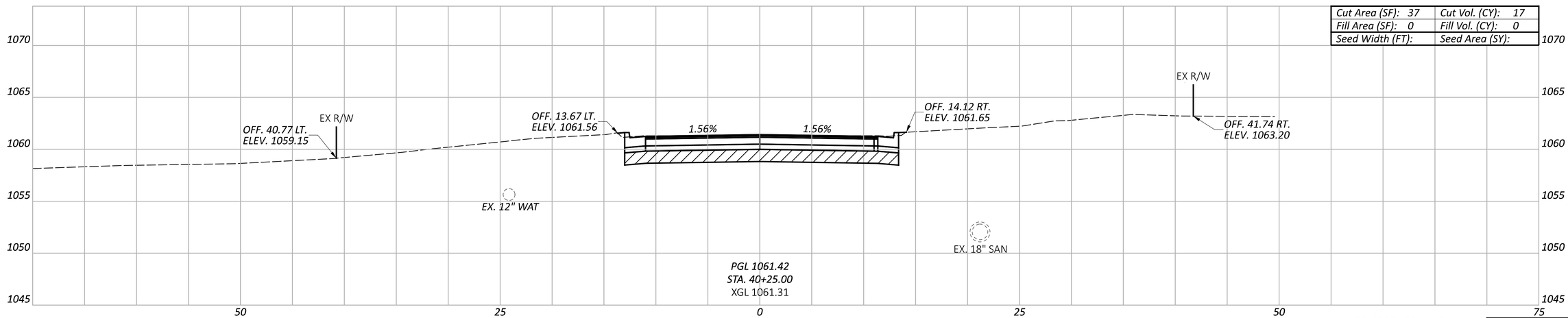
SHEET P.30 | TOTAL P.108

LIC-TR1135-0.58

MODEL: SH - 39+50.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:13:54 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn







BEGIN WORK

ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	123	0

CROSS SECTIONS
PIKE STREET

LIC-TR1135-0.58

MODEL: SH - 40+25.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:13:56 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn

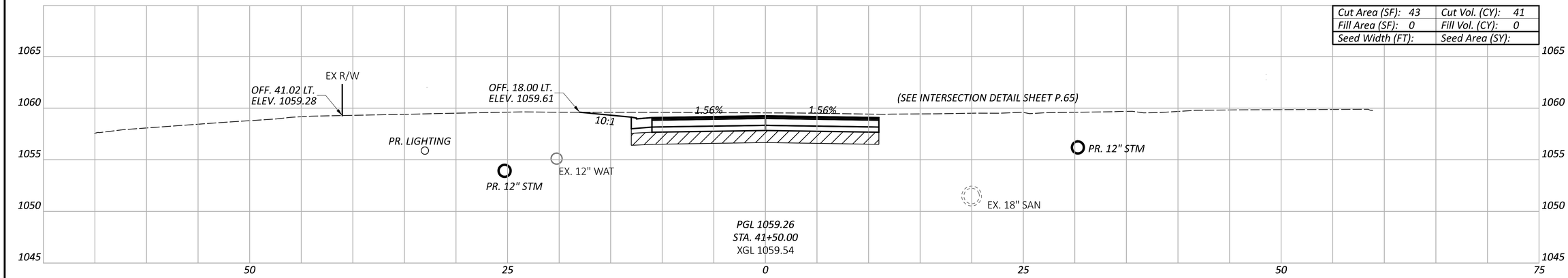
DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 740.344.4455
FAX: 614.360.0023

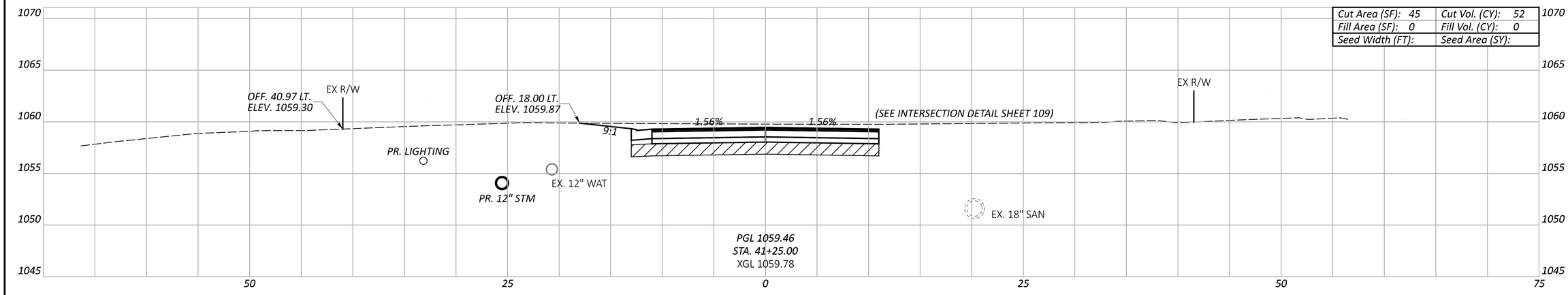
DESIGNER
MRO

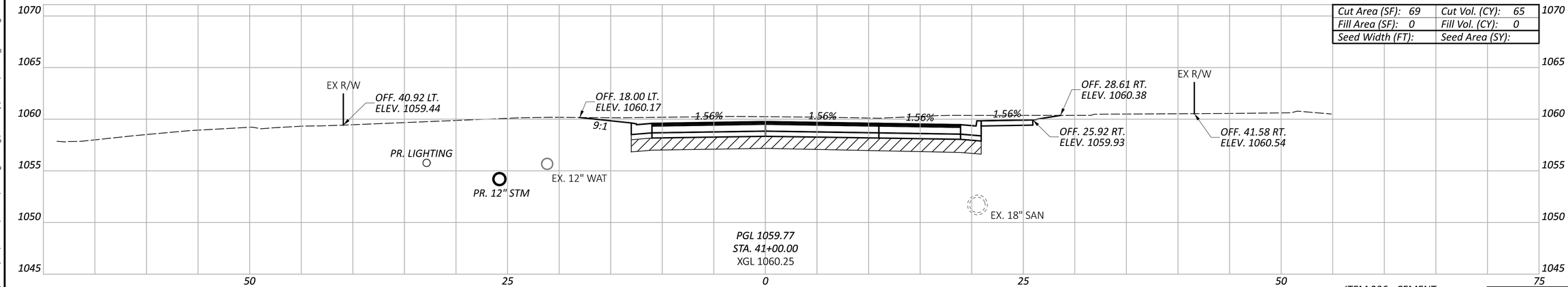
REVIEWER
SRH 05/16/25

PROJECT ID
119487

SHEET	TOTAL
P.31	P.108







ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	158	0

CROSS SECTIONS PIKE STREET

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL 614.360.0023
FAX 614.360.0023

DESIGNER
MRO

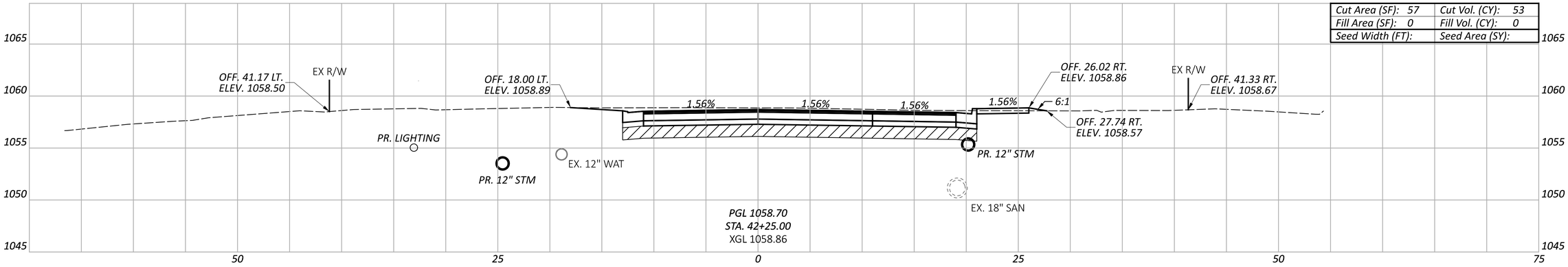
REVIEWER
SRH 05/16/25

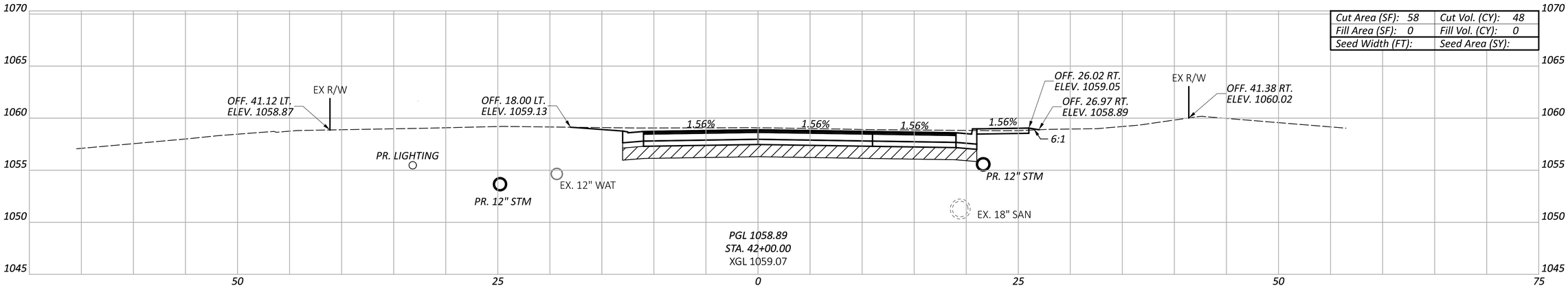
PROJECT ID
119487

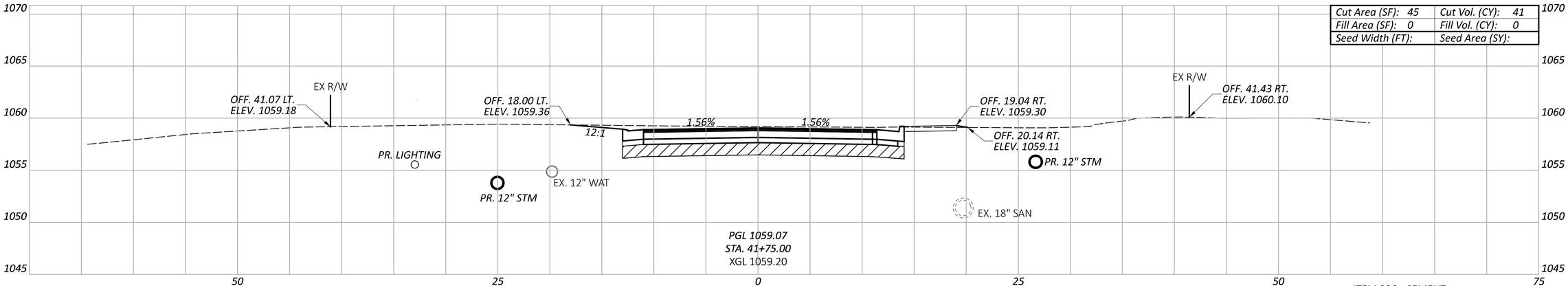
SHEET P.32 TOTAL P.108

LIC-TR1135-0.58

MODEL: SH - 41+00.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:13:59 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn







ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	142	0

CROSS SECTIONS
PIKE STREET

DESIGN AGENCY
verdantas
1550 WEST MAIN STREET
NEW MAR, OH 43055
PH 614.440.4455
FAX 614.360.0023

DESIGNER MRO

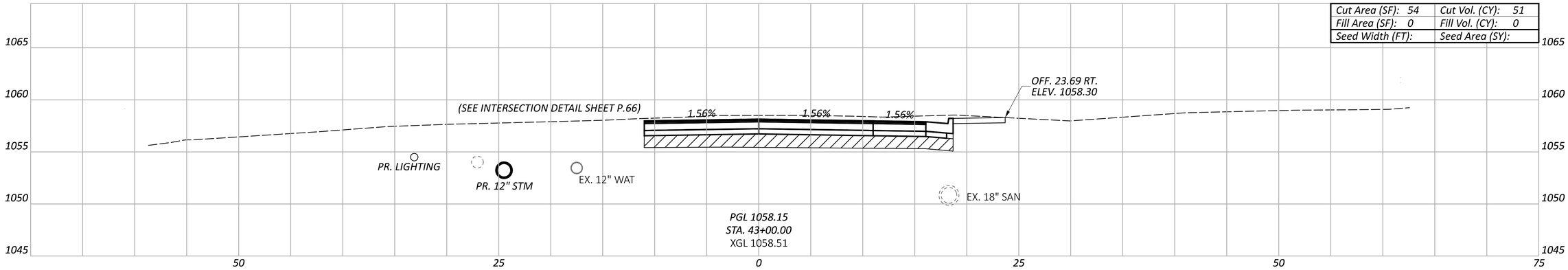
REVIEWER SRH 05/16/25

PROJECT ID 119487

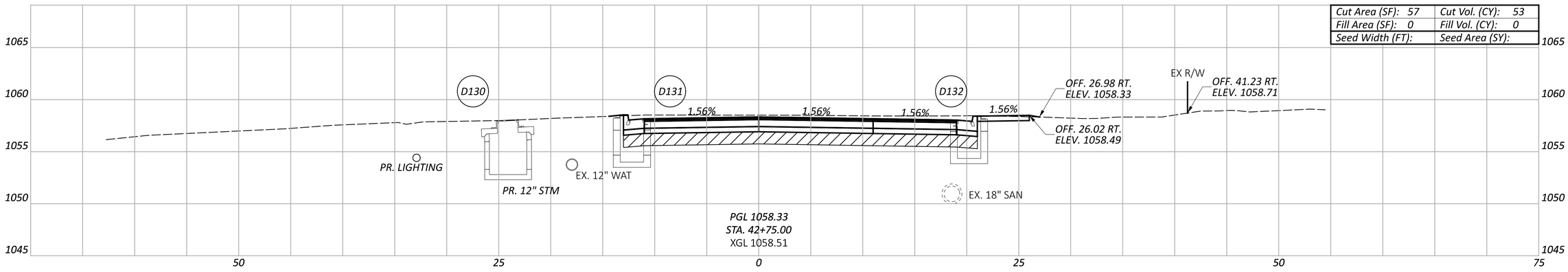
SHEET P.33 TOTAL P.108

LIC-TR1135-0.58

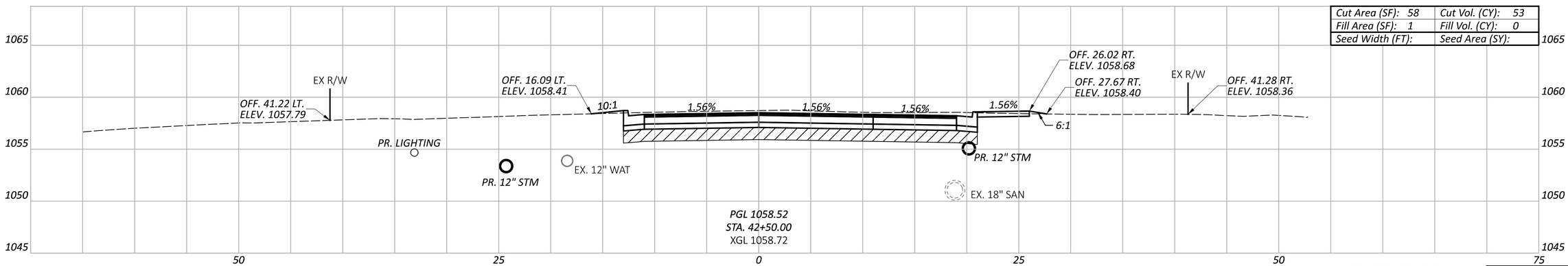
MODEL: SH - 41+75.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:14:02 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn



Cut Area (SF): 54	Cut Vol. (CY): 51
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 57	Cut Vol. (CY): 53
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 58	Cut Vol. (CY): 53
Fill Area (SF): 1	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):

ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	157	0

CROSS SECTIONS
PIKE STREET

LIC-TR1135-0.58

MODEL: SH - 42+50.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:14:04 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 740.344.4567
FAX: 614.360.0023

DESIGNER
MRO

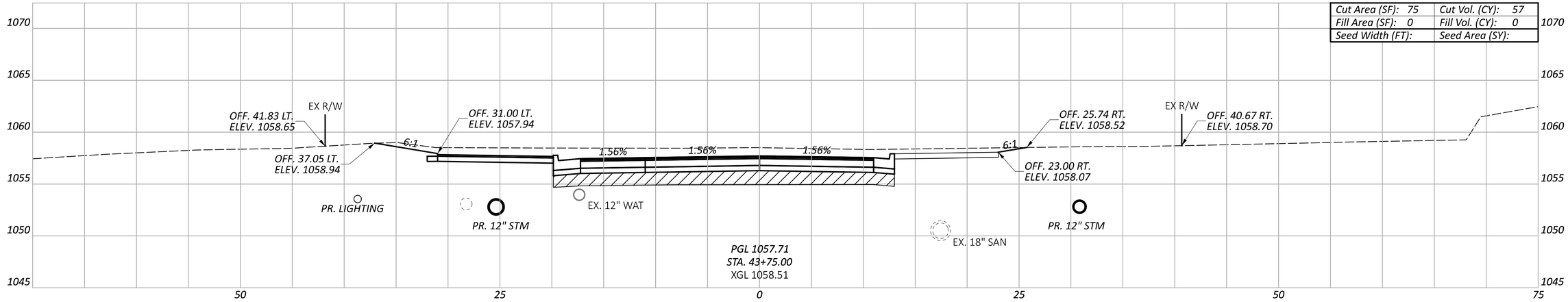
REVIEWER
SRH 05/16/25

PROJECT ID
119487

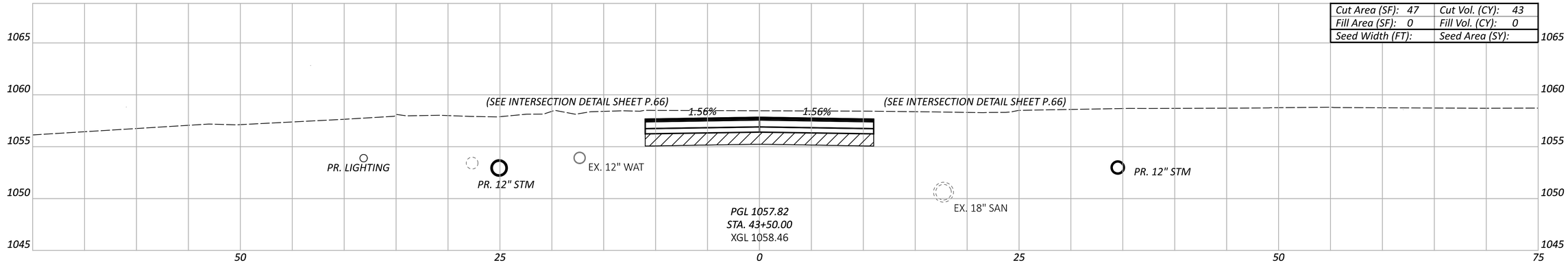
SHEET	TOTAL
P.34	P.108

CROSS SECTIONS
PIKE STREET

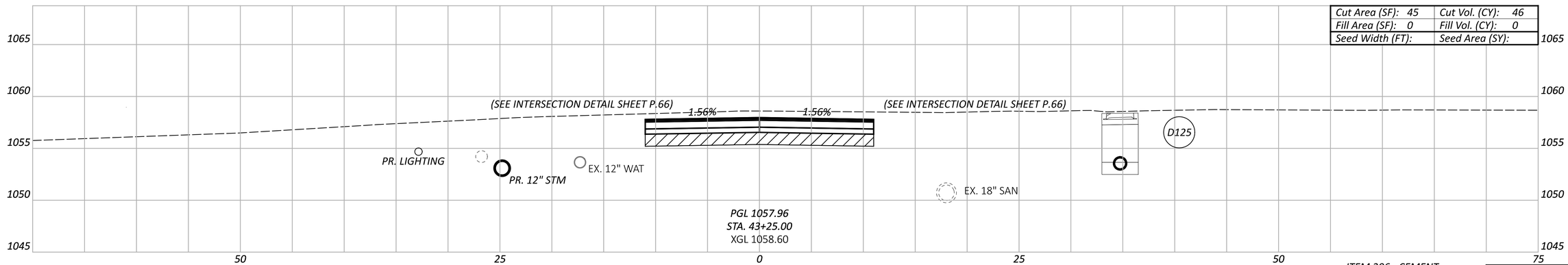
Cut Area (SF): 75	Cut Vol. (CY): 57
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 47	Cut Vol. (CY): 43
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 45	Cut Vol. (CY): 46
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	146	0

LIC-TR1135-0.58

MODEL: SH - 43+25.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:14:07 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn

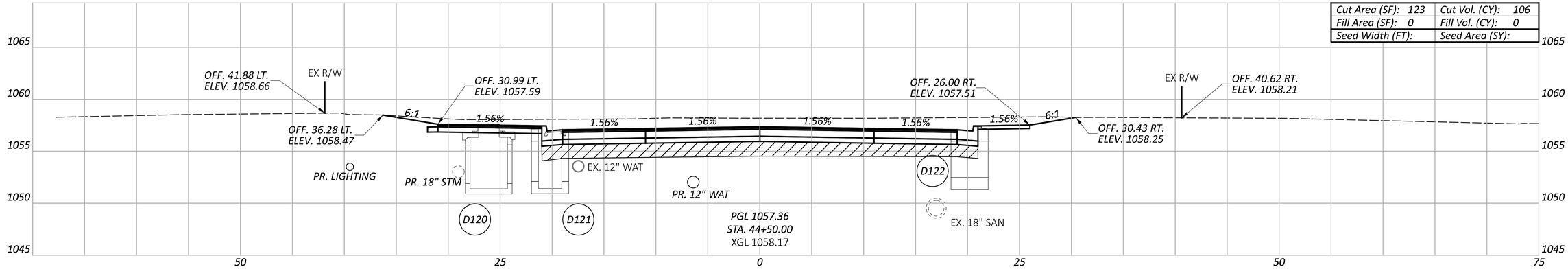
DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.360.0023
FAX: 614.360.0023

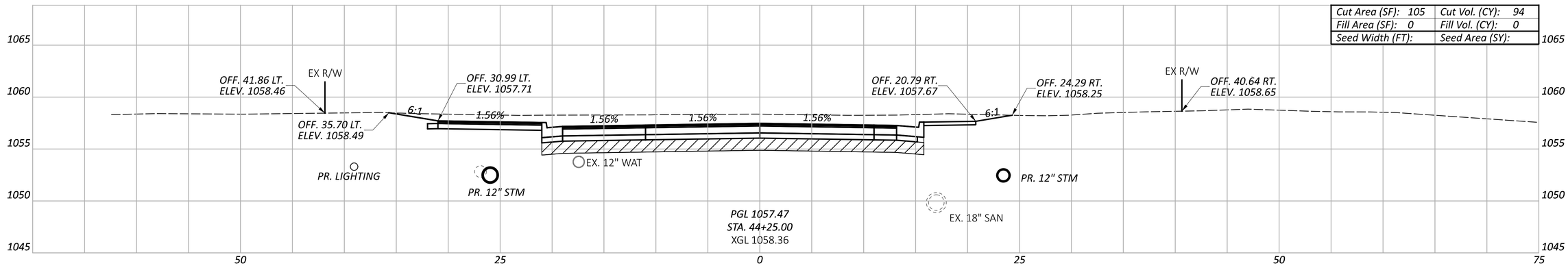
DESIGNER MRO

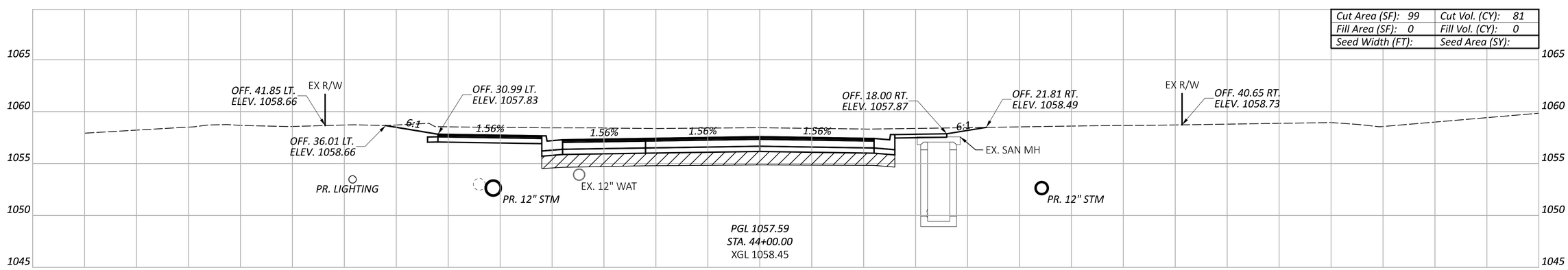
REVIEWER SRH 05/16/25

PROJECT ID 119487

SHEET P.35 TOTAL P.108







ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	281	0

CROSS SECTIONS
PIKE STREET

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL 740.403.4333
FAX 614.360.0023

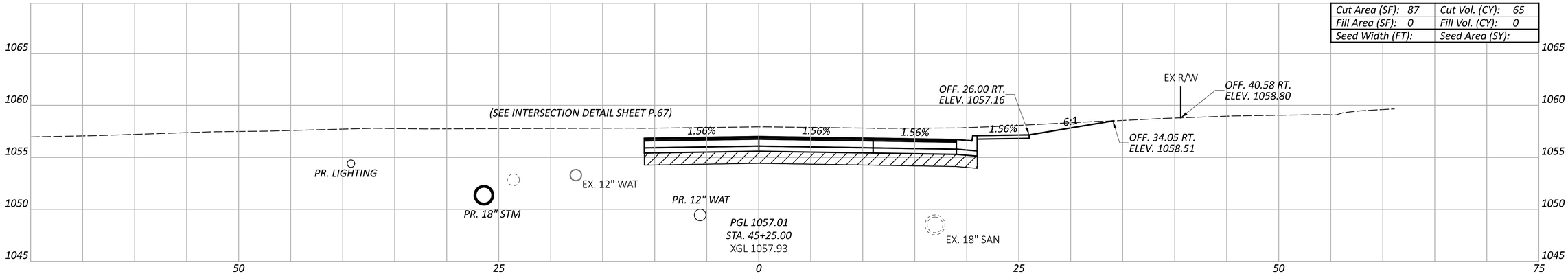
DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET P.36 TOTAL P.108

LIC-TR1135-0.58

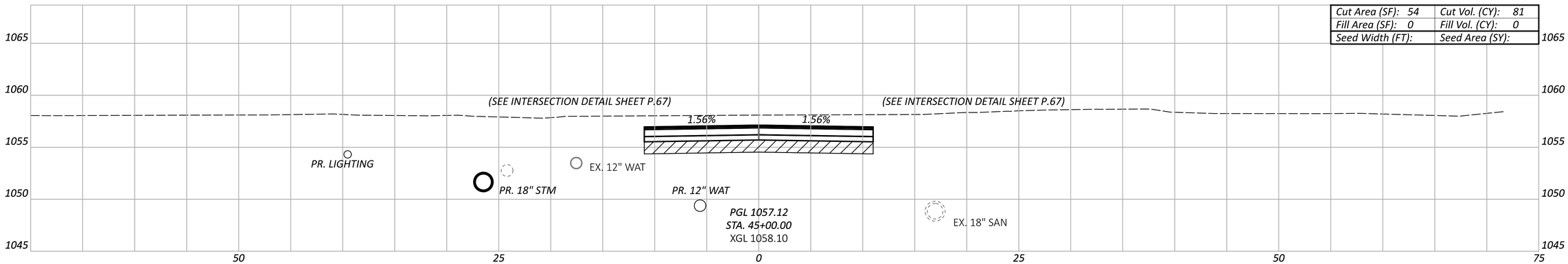
MODEL: SH - 44+00.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:14:10 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn

CROSS SECTIONS
PIKE STREET

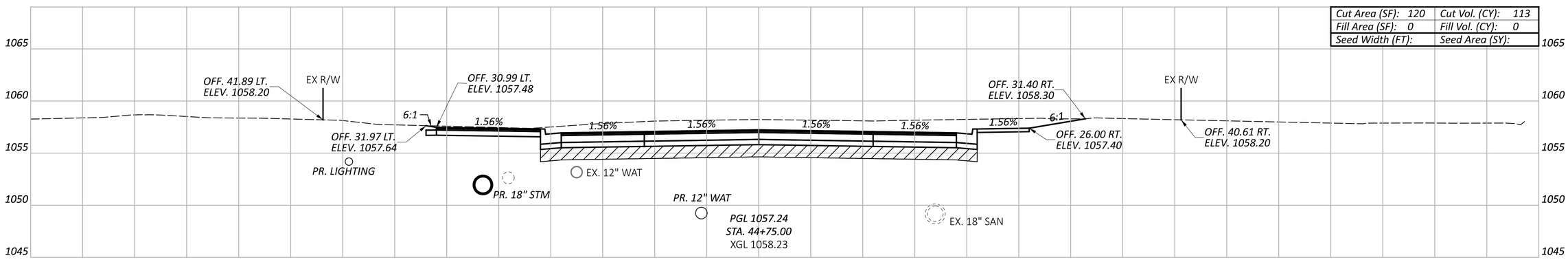
Cut Area (SF): 87	Cut Vol. (CY): 65
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 54	Cut Vol. (CY): 81
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 120	Cut Vol. (CY): 113
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	259	0

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
PH. 614.360.0022
FAX 614.360.0023

DESIGNER MRO

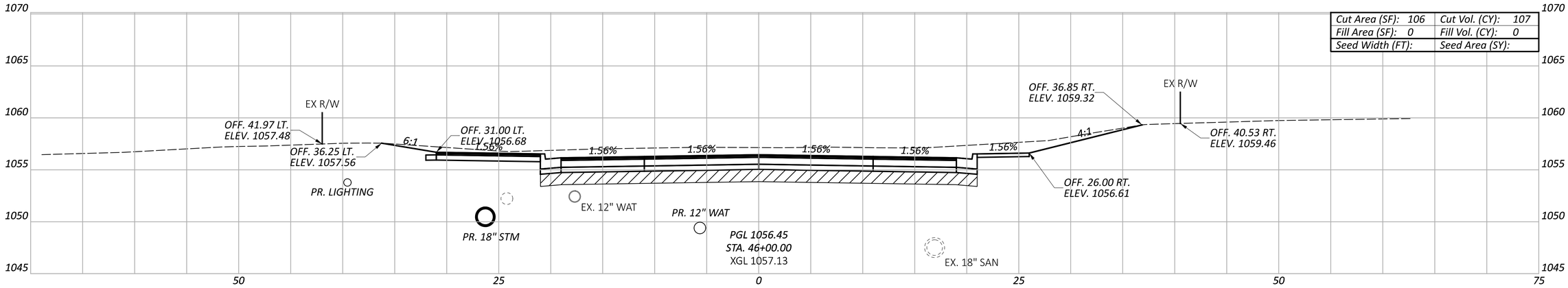
REVIEWER SRH 05/16/25

PROJECT ID 119487

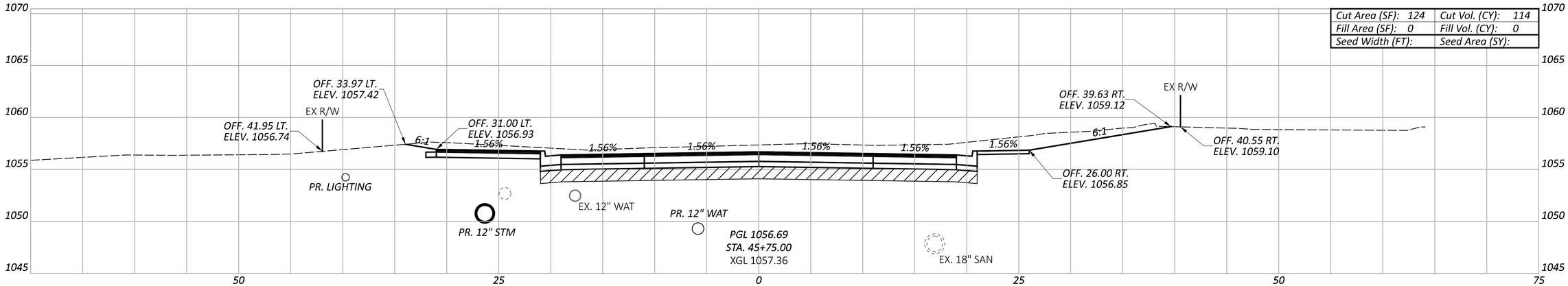
SHEET P.37 TOTAL P.108

LIC-TR1135-0.58

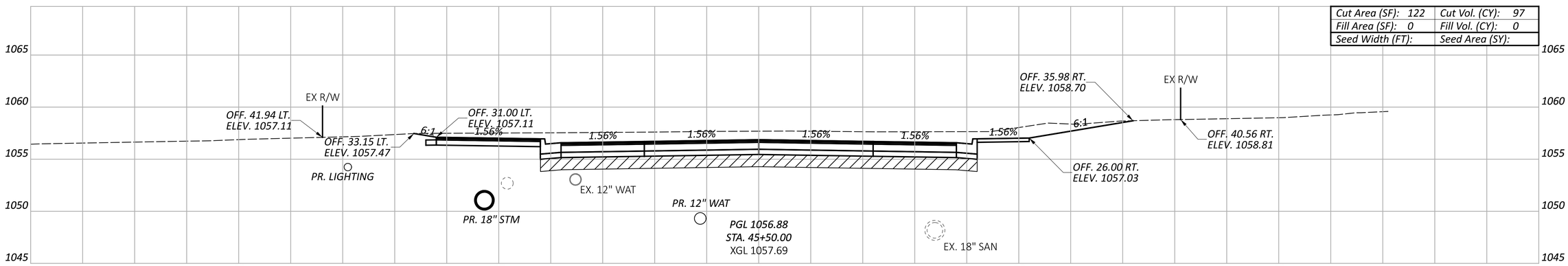
MODEL: SH - 44+75.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:14:13 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn



Cut Area (SF): 106	Cut Vol. (CY): 107
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 124	Cut Vol. (CY): 114
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 122	Cut Vol. (CY): 97
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):

ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	318	0

CROSS SECTIONS
PIKE STREET

LIC-TR1135-0.58

MODEL: SH - 45+50.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:14:16 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn

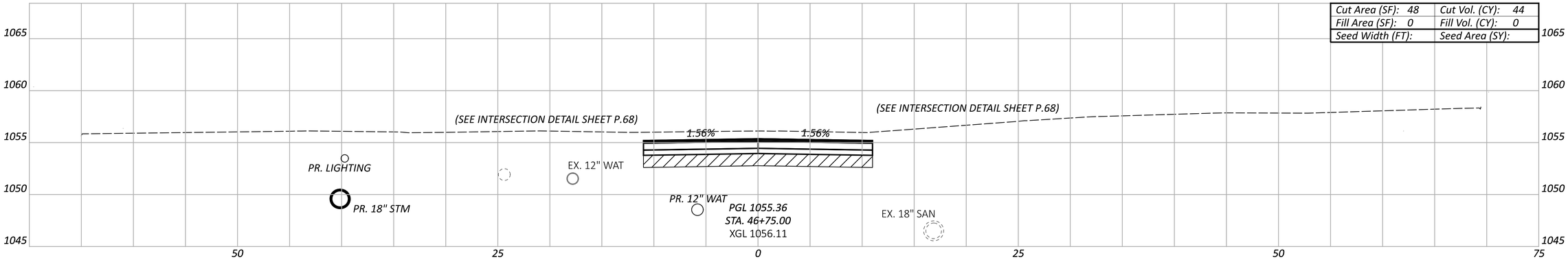
DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
PHONE 614.360.0023
FAX 614.360.0023

DESIGNER
MRO

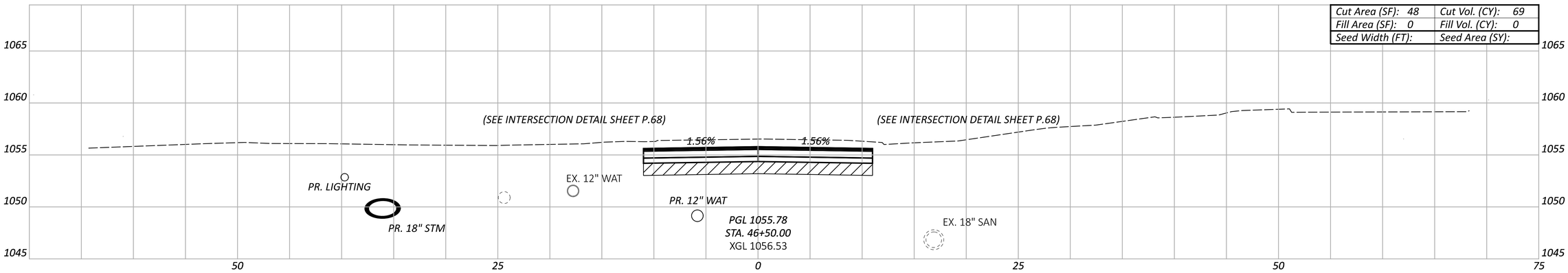
REVIEWER
SRH 05/16/25

PROJECT ID
119487

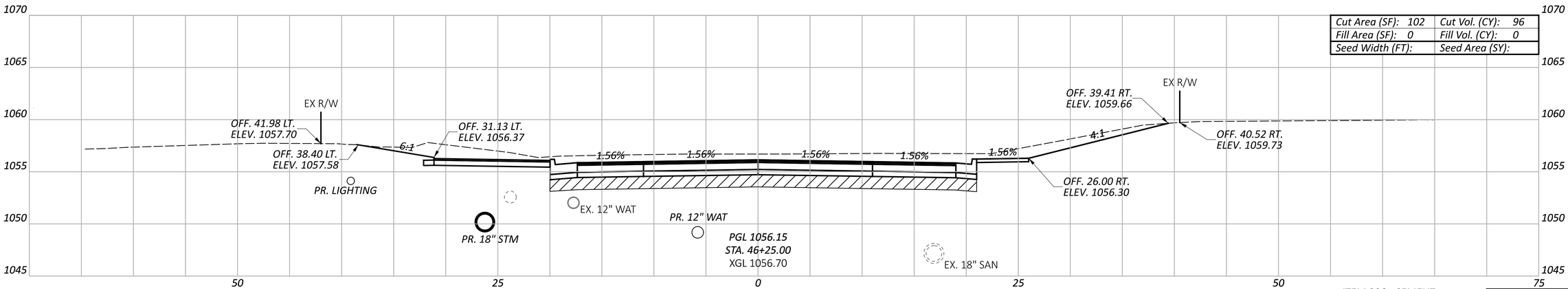
SHEET P.38 TOTAL P.108



Cut Area (SF): 48	Cut Vol. (CY): 44
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 48	Cut Vol. (CY): 69
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 102	Cut Vol. (CY): 96
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):

ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	209	0

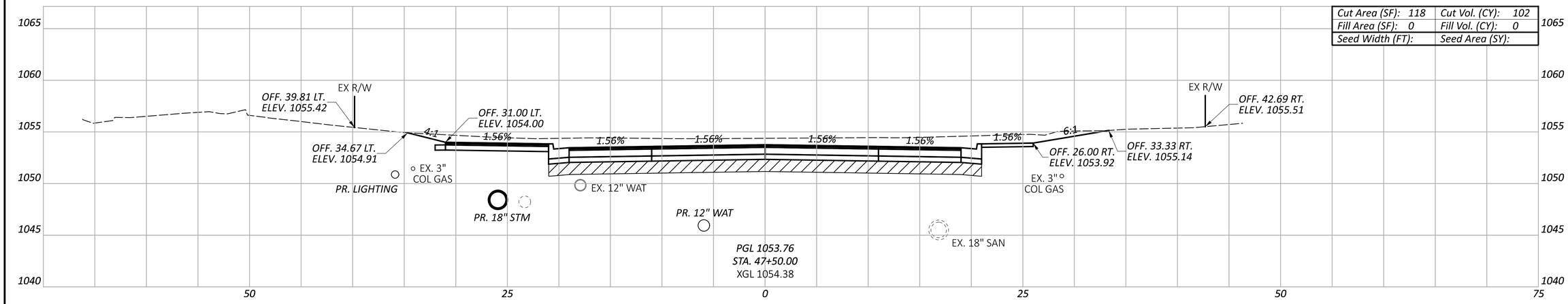
CROSS SECTIONS
PIKE STREET

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.360.0023
FAX: 614.360.0023

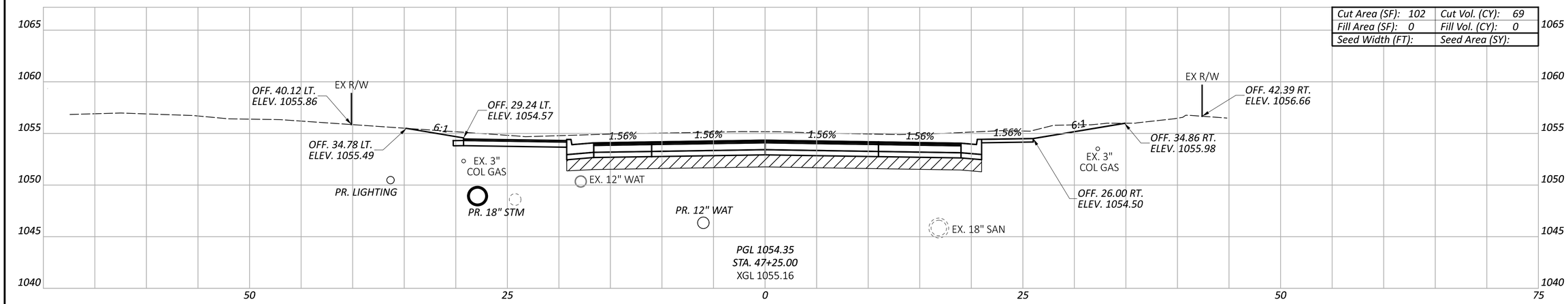
DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET P.39 TOTAL P.108

LIC-TR1135-0.58

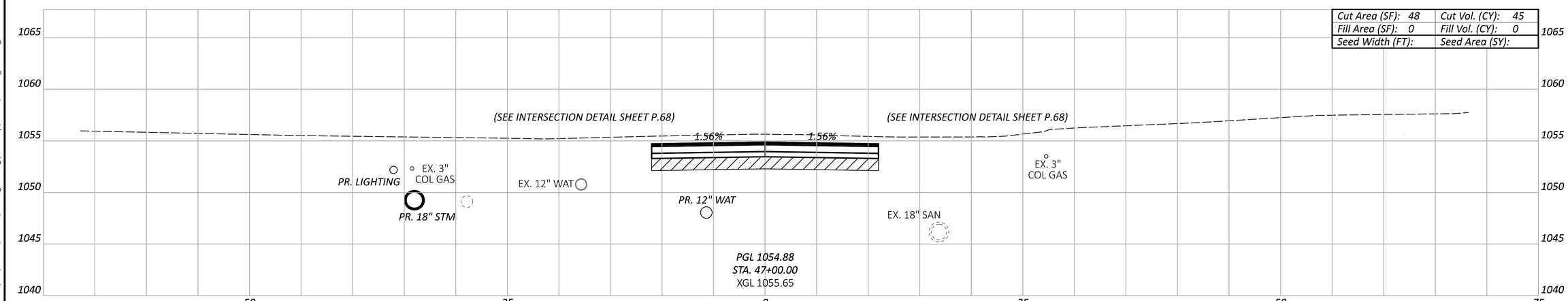
MODEL: SH - 46+25.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:14:18 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn



Cut Area (SF): 118	Cut Vol. (CY): 102
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 102	Cut Vol. (CY): 69
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 48	Cut Vol. (CY): 45
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):

ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	216	0

CROSS SECTIONS
PIKE STREET

LIC-TR1135-0.58

MODEL: SH - 47+00.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:14:21 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn

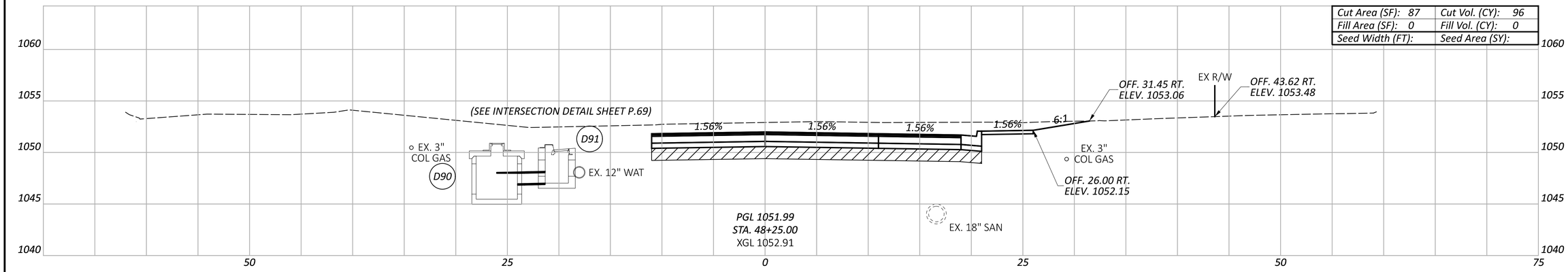
DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TELEPHONE 740.522.4455
FAX 614.300.0023

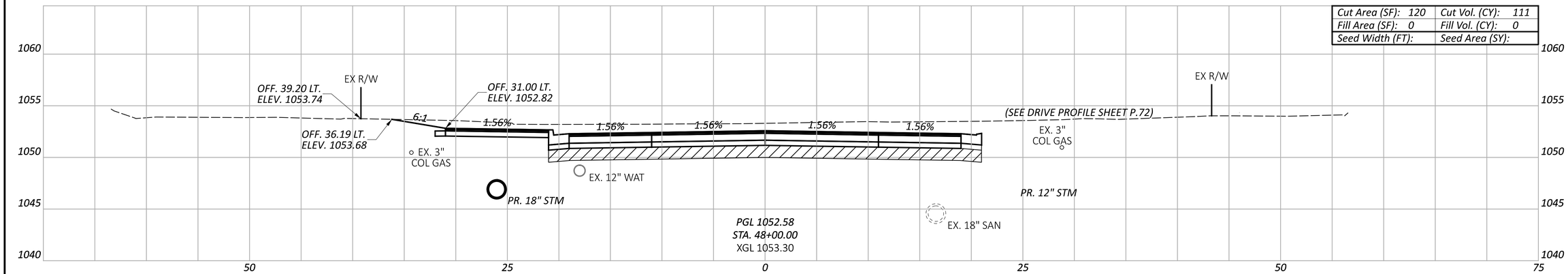
DESIGNER
MRO

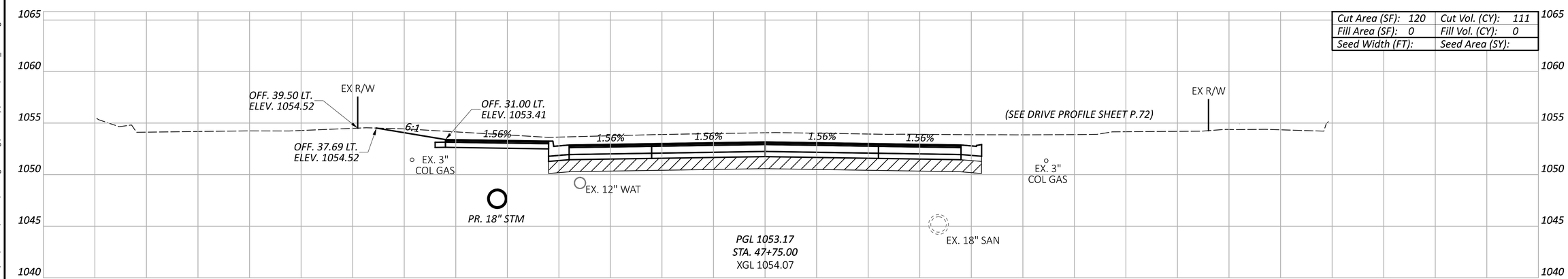
REVIEWER
SRH 05/16/25

PROJECT ID
119487

SHEET P.40 | TOTAL P.108







ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	318	0

CROSS SECTIONS
PIKE STREET

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.360.0023
FAX: 614.360.0023

DESIGNER MRO

REVIEWER SRH 05/16/25

PROJECT ID 119487

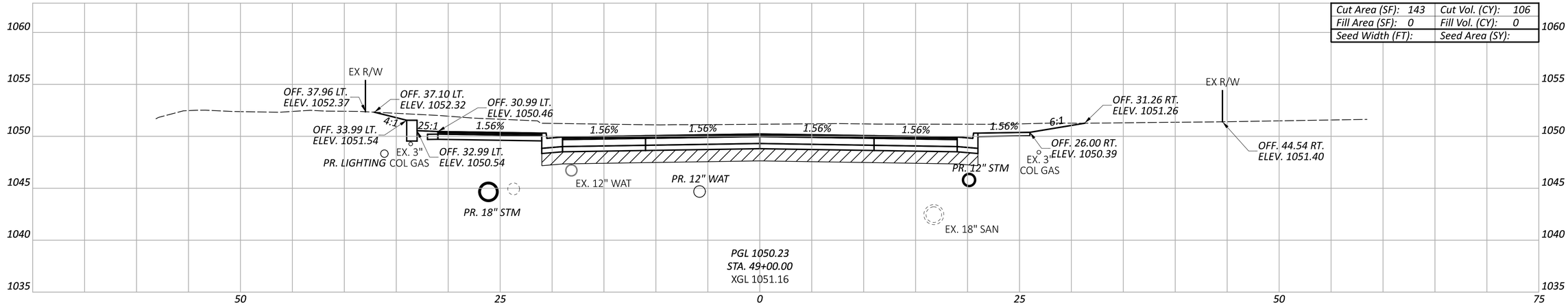
SHEET P.41 TOTAL P.108

LIC-TR1135-0.58

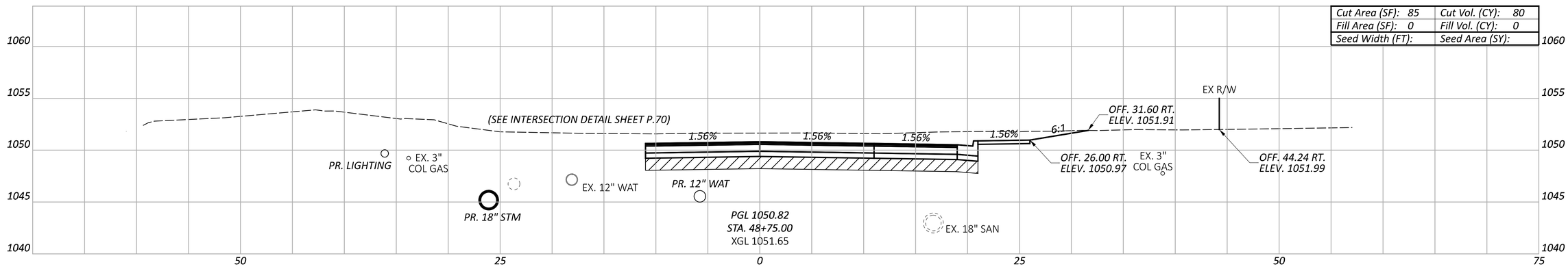
MODEL: SH - 47+75.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:14:24 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn

CROSS SECTIONS
PIKE STREET

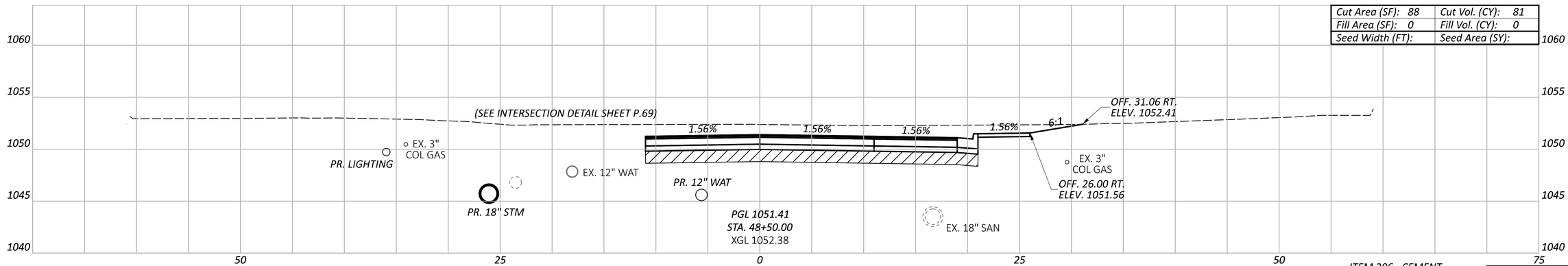
Cut Area (SF): 143	Cut Vol. (CY): 106
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 85	Cut Vol. (CY): 80
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 88	Cut Vol. (CY): 81
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	267	0

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
PH 614.360.0023
FAX 614.360.0023

DESIGNER
MRO

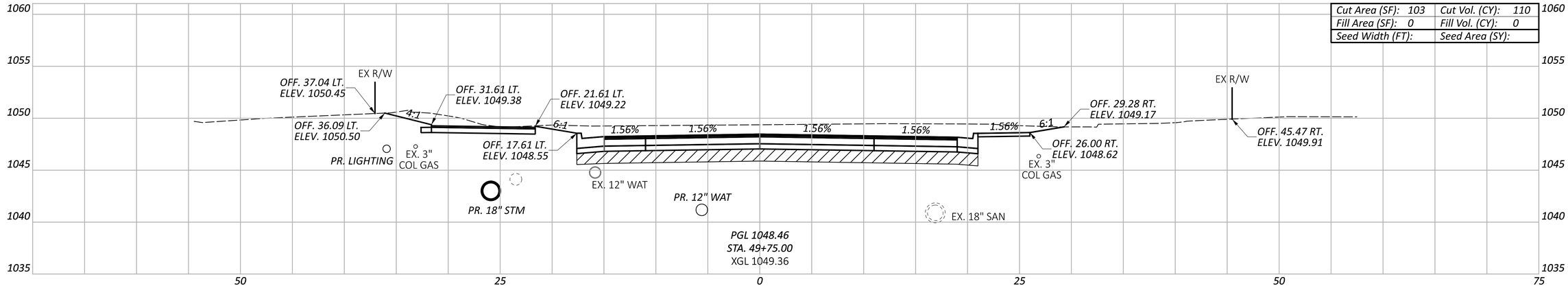
REVIEWER
SRH 05/16/25

PROJECT ID
119487

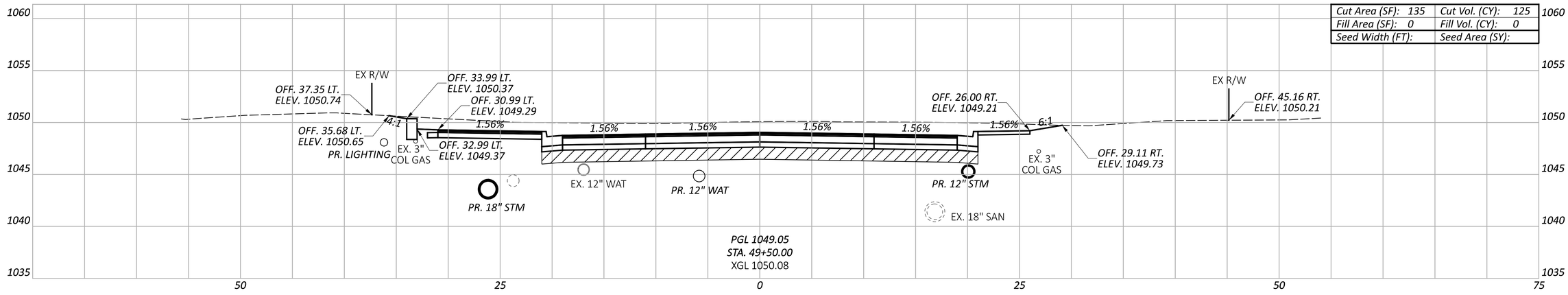
SHEET P.42 | TOTAL P.108

LIC-TR1135-0.58

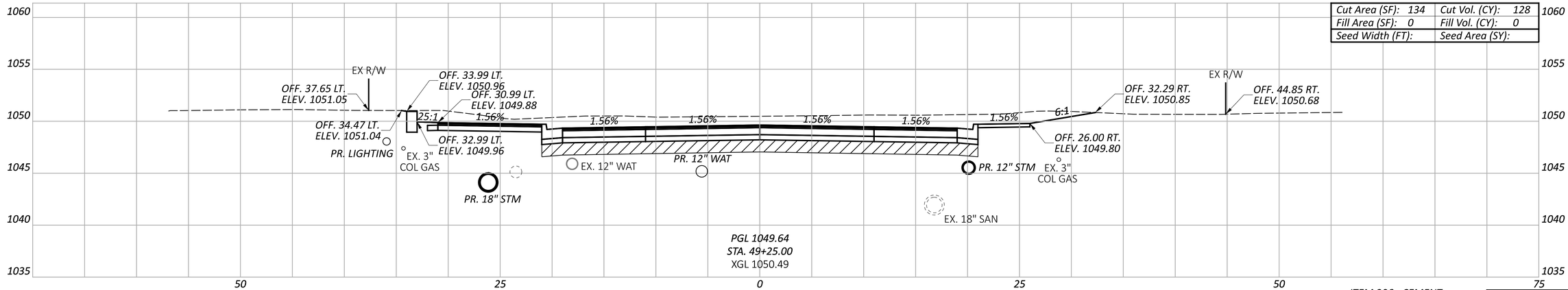
MODEL: SH - 48+50.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:14:27 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn



Cut Area (SF): 103	Cut Vol. (CY): 110
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 135	Cut Vol. (CY): 125
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 134	Cut Vol. (CY): 128
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):

ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	363	0

CROSS SECTIONS
PIKE STREET

LIC-TR1135-0.58

MODEL: SH - 49+25.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:14:29 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn

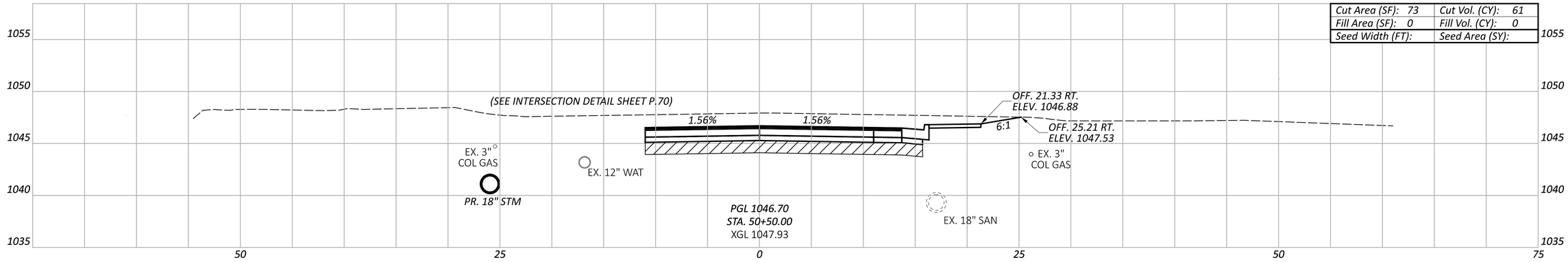
DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.360.0023
FAX: 614.360.0023

DESIGNER
MRO

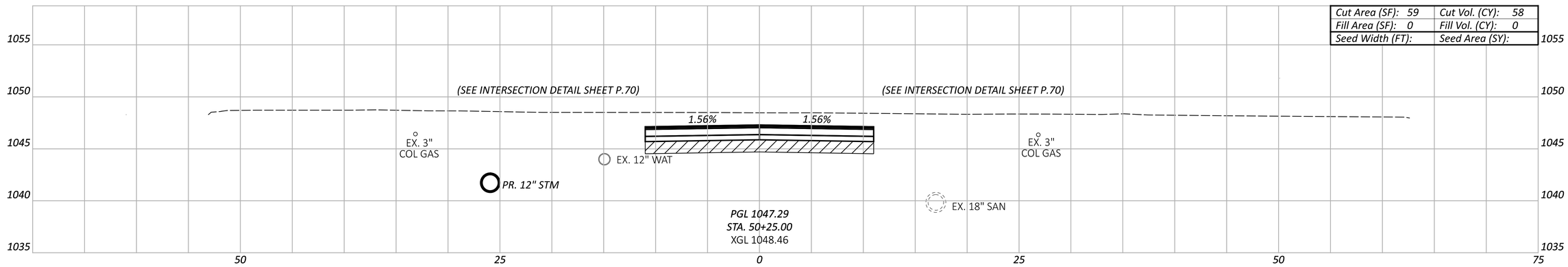
REVIEWER
SRH 05/16/25

PROJECT ID
119487

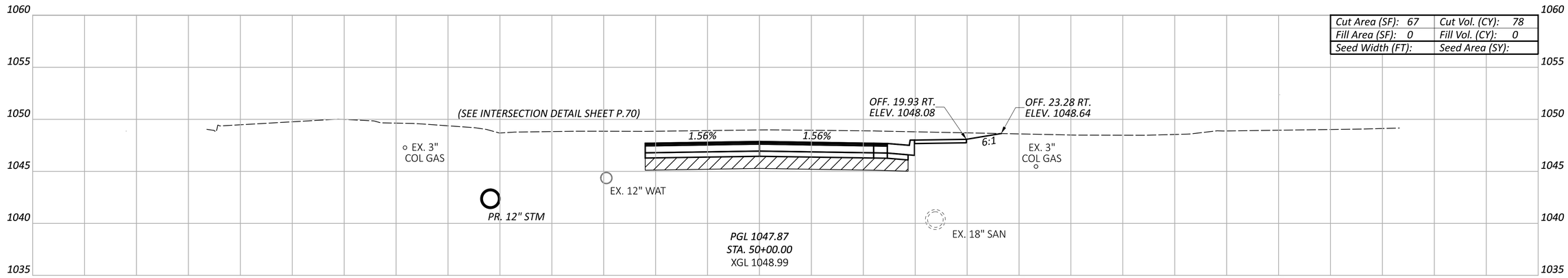
SHEET P.43 TOTAL P.108



Cut Area (SF): 73	Cut Vol. (CY): 61
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 59	Cut Vol. (CY): 58
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 67	Cut Vol. (CY): 78
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):

ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	197	0

CROSS SECTIONS
PIKE STREET

LIC-TR1135-0.58

MODEL: SH - 50+00.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:14:33 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn

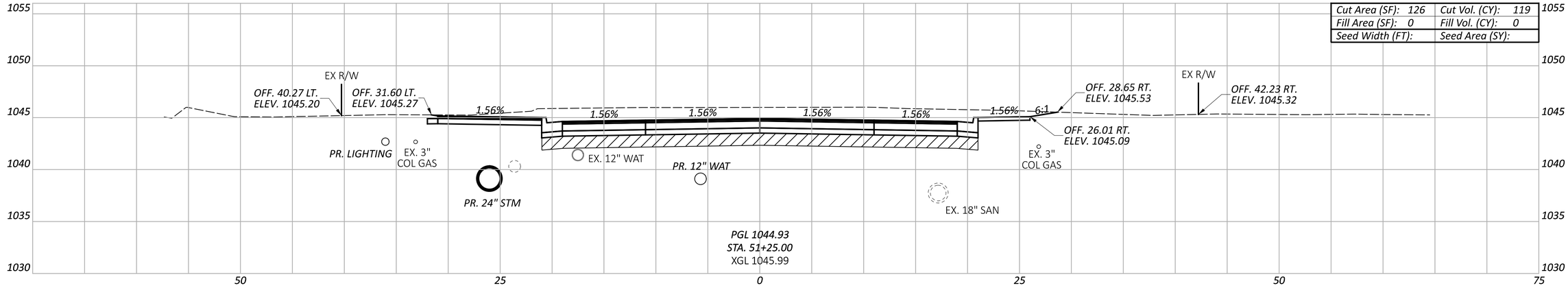
DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.360.0023
FAX: 614.360.0023

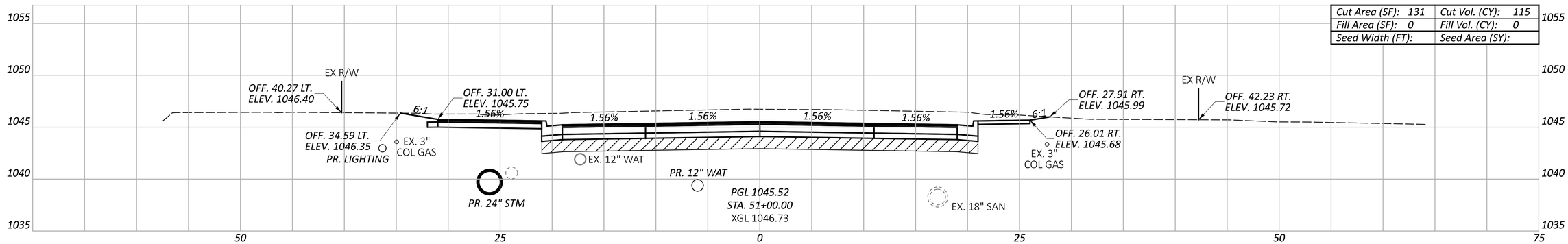
DESIGNER
MRO

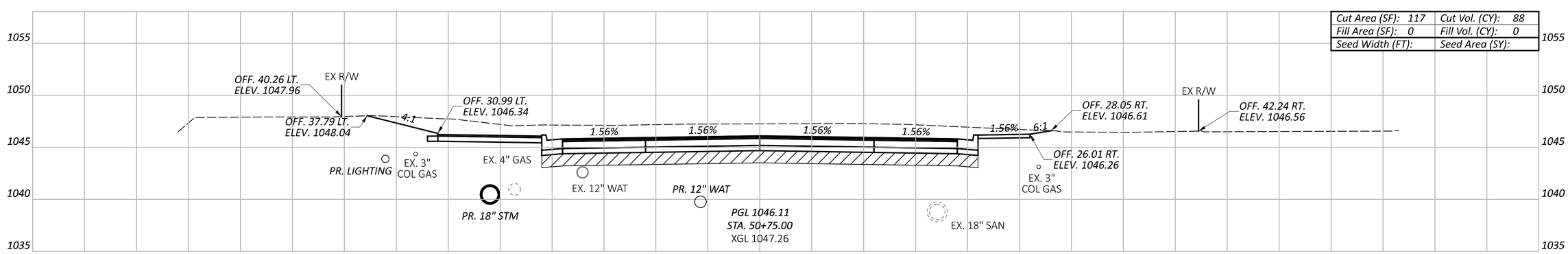
REVIEWER
SRH 05/16/25

PROJECT ID
119487

SHEET	TOTAL
P.44	P.108







ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	322	0

CROSS SECTIONS
PIKE STREET

LIC-TR1135-0.58

MODEL: SH - 50+75.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:14:35 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn

DESIGN AGENCY
verdantas
1550 WEST MAIN STREET
NEWARK, OH 43055
PHONE 740.345.4455
FAX 614.360.0023

DESIGNER
MRO

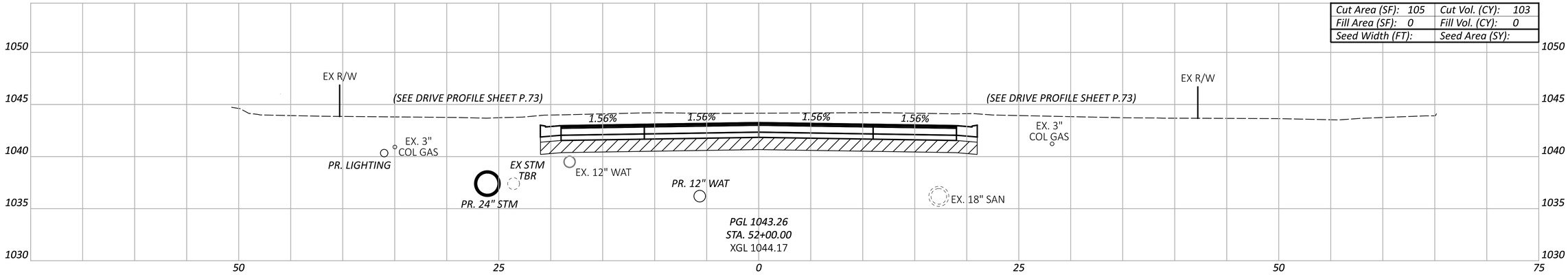
REVIEWER
SRH 05/16/25

PROJECT ID
119487

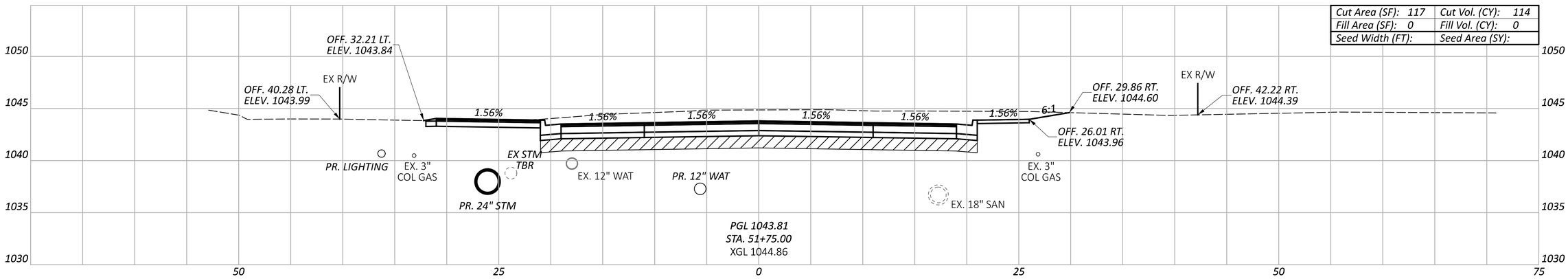
SHEET	TOTAL
P.45	P.108

CROSS SECTIONS
PIKE STREET

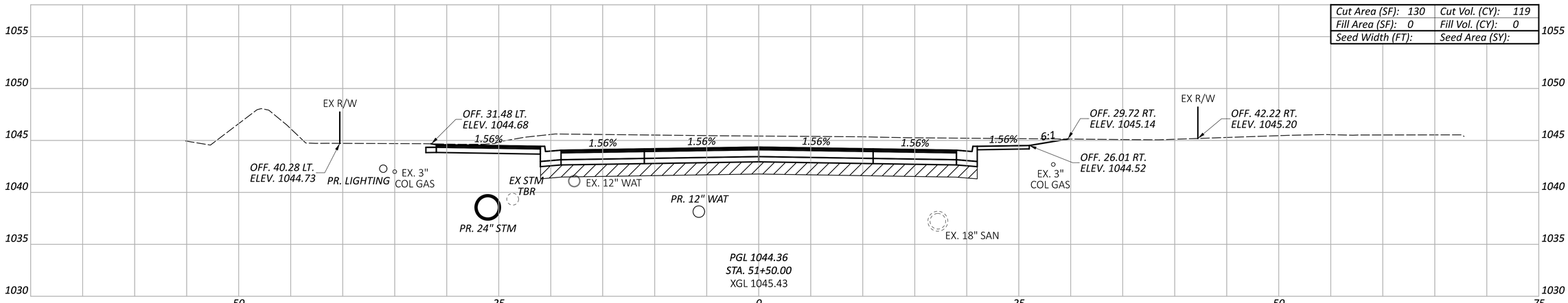
Cut Area (SF): 105	Cut Vol. (CY): 103
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 117	Cut Vol. (CY): 114
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 130	Cut Vol. (CY): 119
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

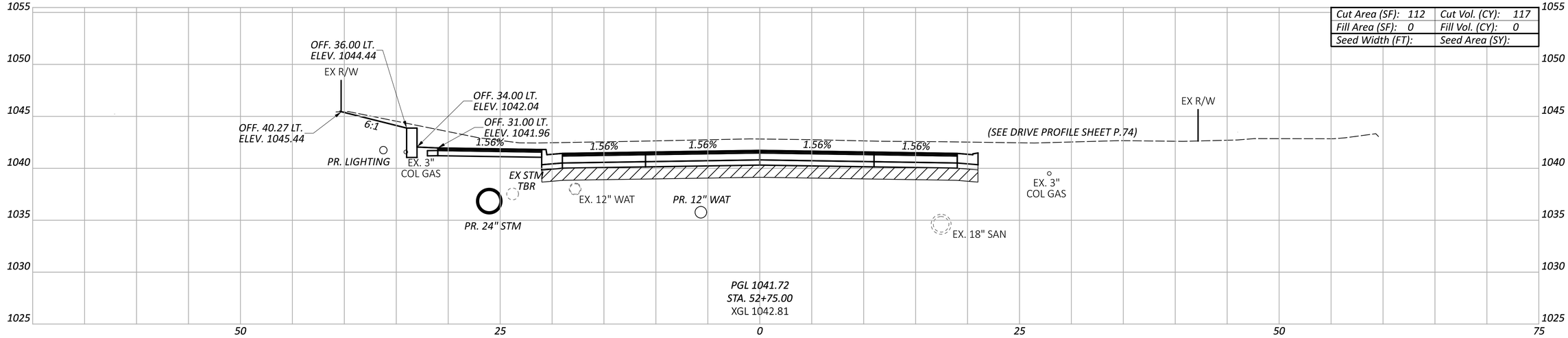
Sheet Totals		
Seeding	Cut	Fill
	336	0

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.360.0023
FAX: 614.360.0023

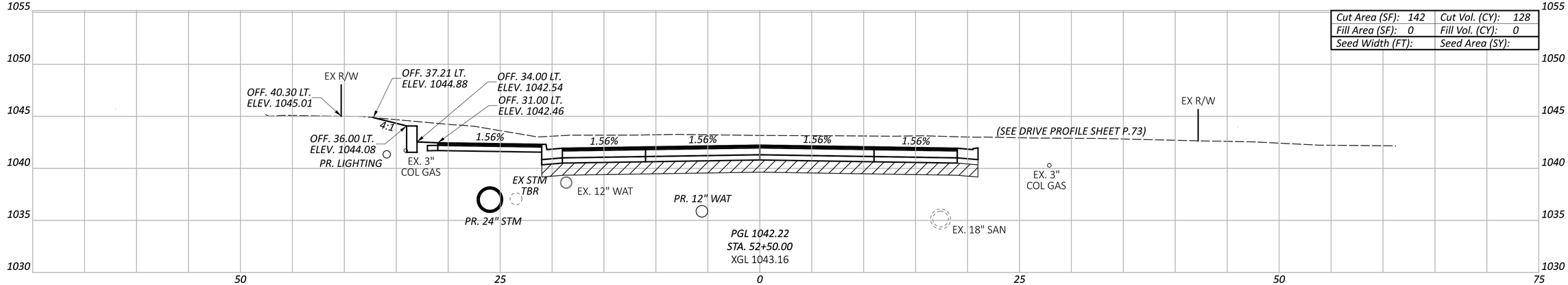
DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET P.46 TOTAL P.108

LIC-TR1135-0.58

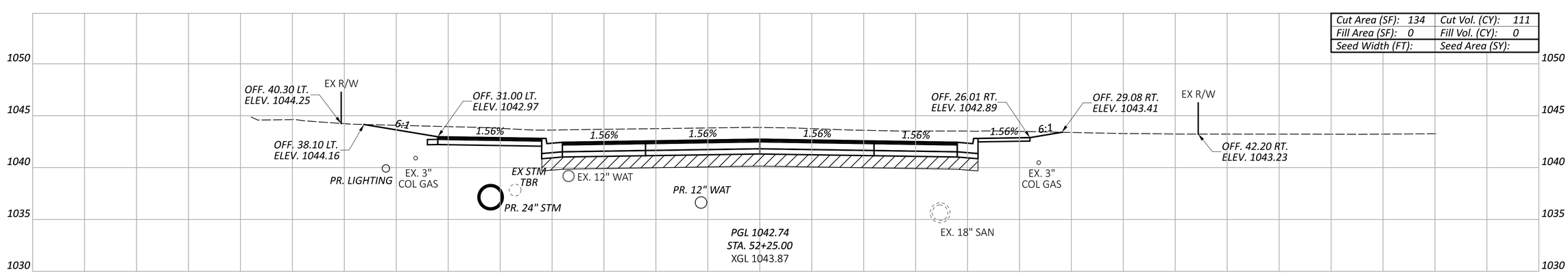
MODEL: SH - 51+50.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:14:38 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn



Cut Area (SF): 112	Cut Vol. (CY): 117
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 142	Cut Vol. (CY): 128
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 134	Cut Vol. (CY): 111
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):

ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	356	0

CROSS SECTIONS
PIKE STREET

LIC-TR1135-0.58

MODEL: SH - 52+25.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:14:41 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn

DESIGN AGENCY
verdantas
1550 WEST MAIN STREET
NEWARK, OH 43055
TEL 614.360.6033
FAX 614.360.6023

DESIGNER
MRO

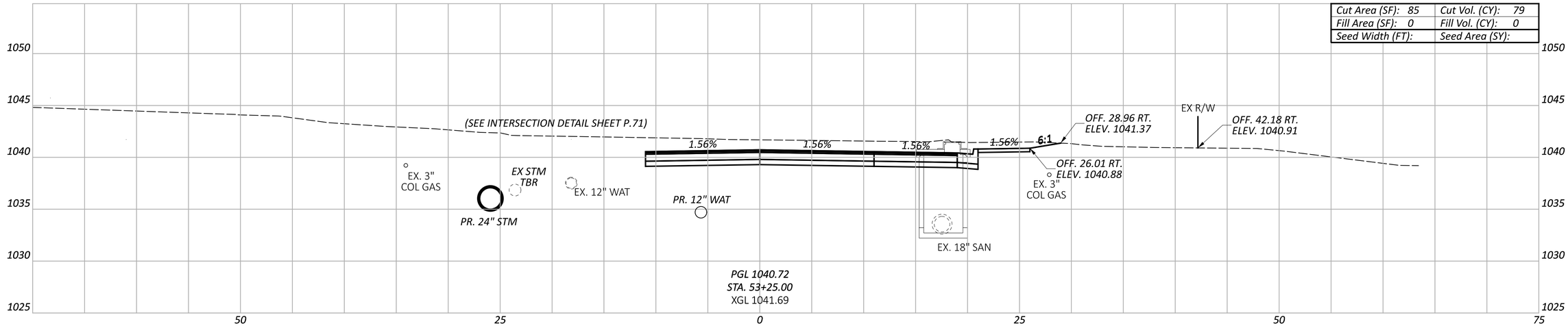
REVIEWER
SRH 05/16/25

PROJECT ID
119487

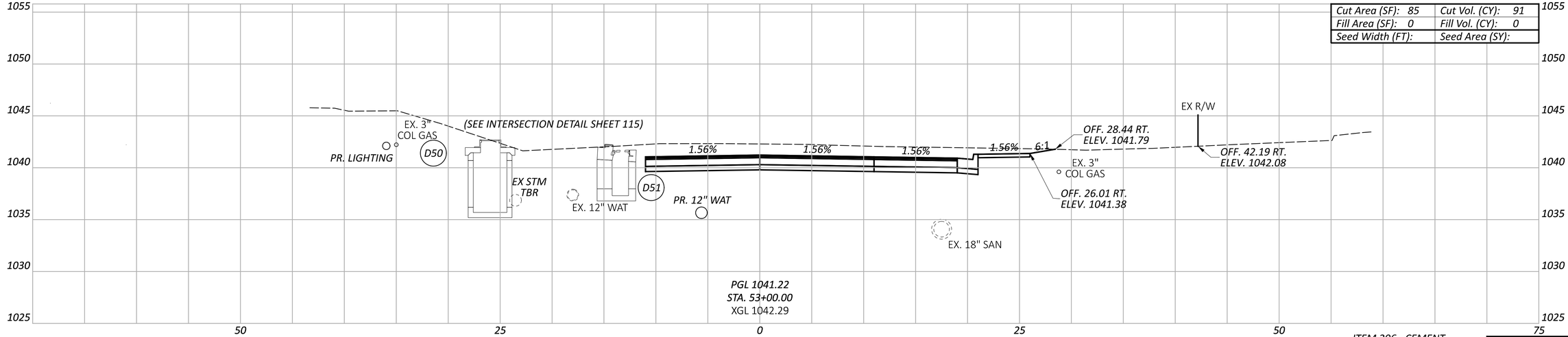
SHEET P.47 TOTAL P.108

CROSS SECTIONS
PIKE STREET

Cut Area (SF): 85	Cut Vol. (CY): 79
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 85	Cut Vol. (CY): 91
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	170	0

DESIGN AGENCY
verdantas
1550 WEST MAIN STREET
NEW ALBANY, IN 47150
PH 812.944.5435
FAX 614.560.6023

DESIGNER
MRO

REVIEWER
SRH 05/16/25

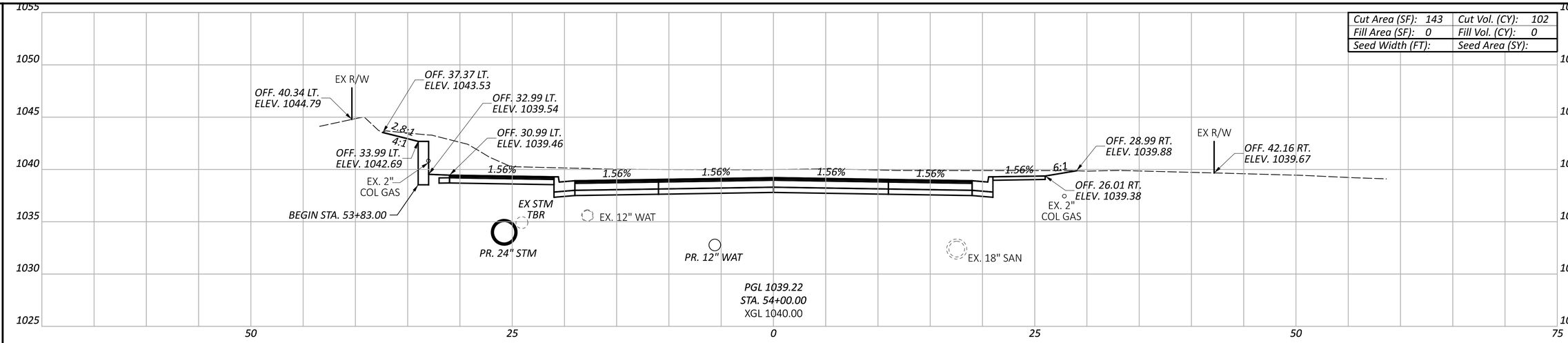
PROJECT ID
119487

SHEET P.48 | TOTAL P.108

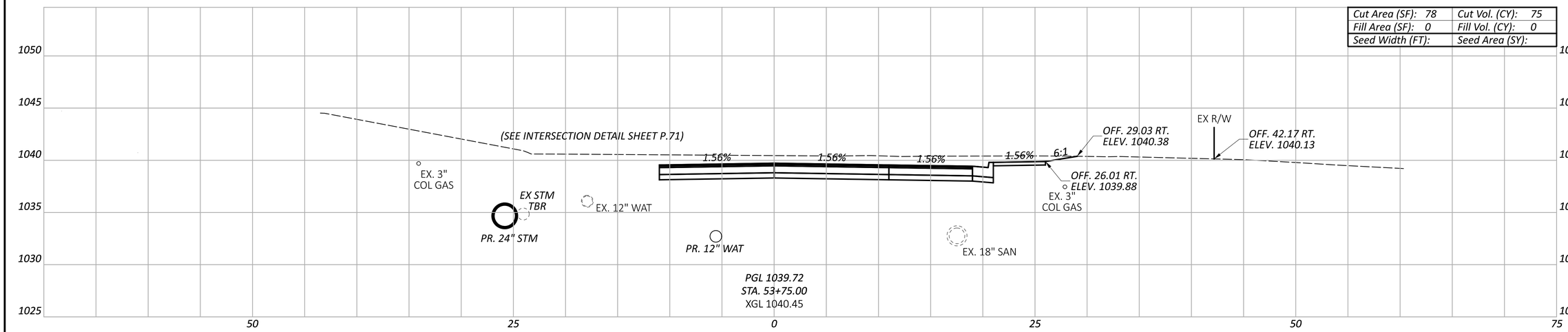
LIC-TR1135-0.58

MODEL: SH - 53+00.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:14:44 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn

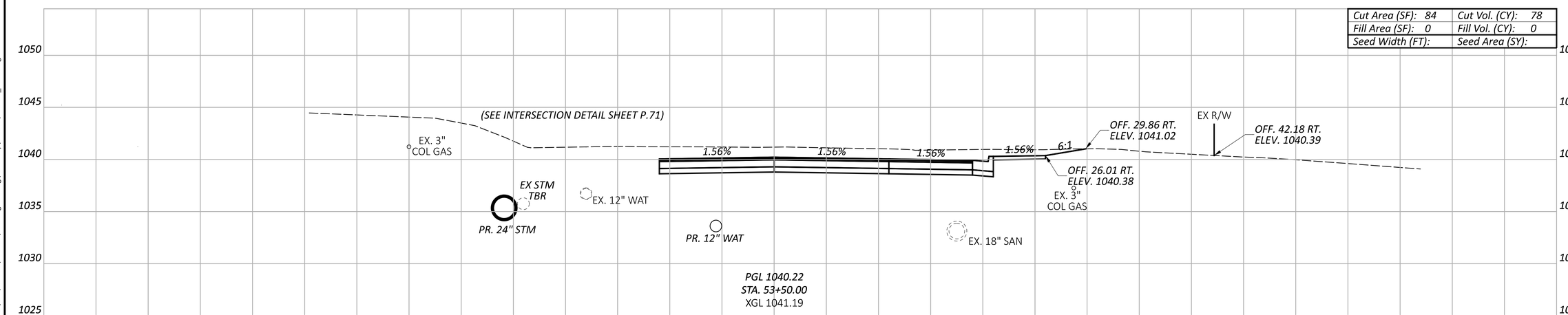
Cut Area (SF): 143	Cut Vol. (CY): 102
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 78	Cut Vol. (CY): 75
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 84	Cut Vol. (CY): 78
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	255	0

CROSS SECTIONS
PIKE STREET

LIC-TR1135-0.58

MODEL: SH - 53+50.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:14:46 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\v00-Engineering\Roadway\Sheets\119487_XS002.dgn

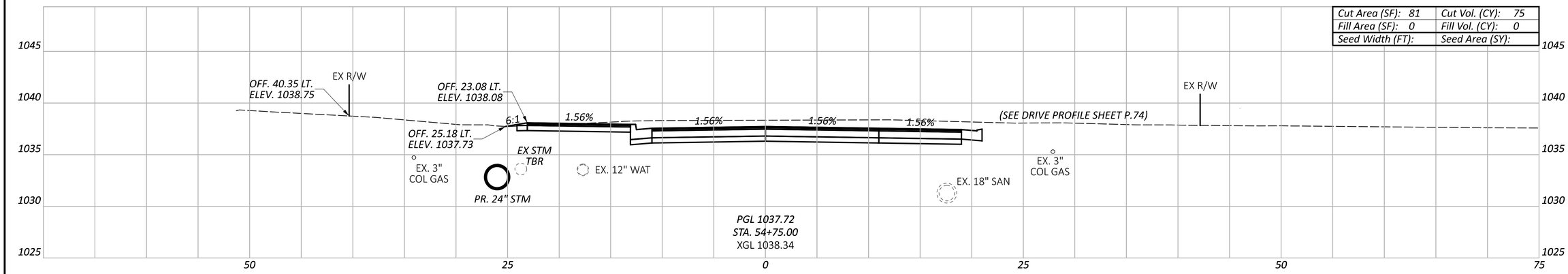
DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
(614) 344-4455
FAX 614.300.0023

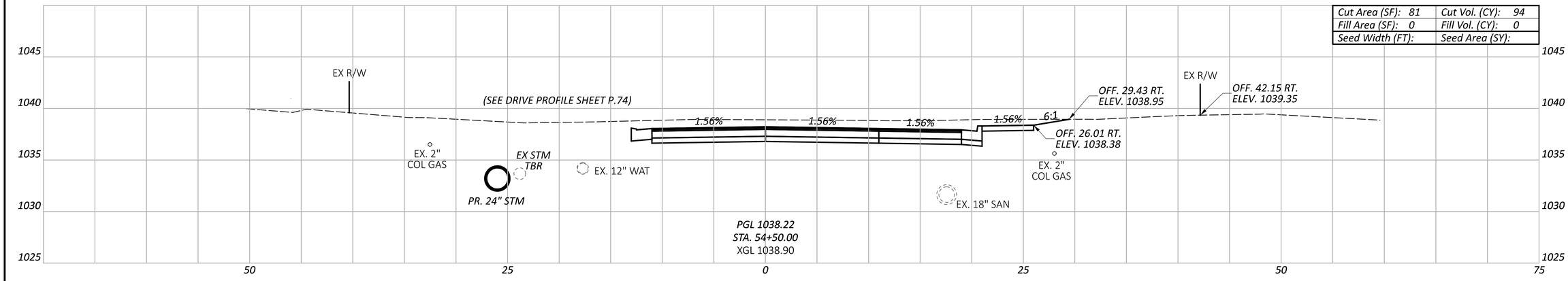
DESIGNER
MRO

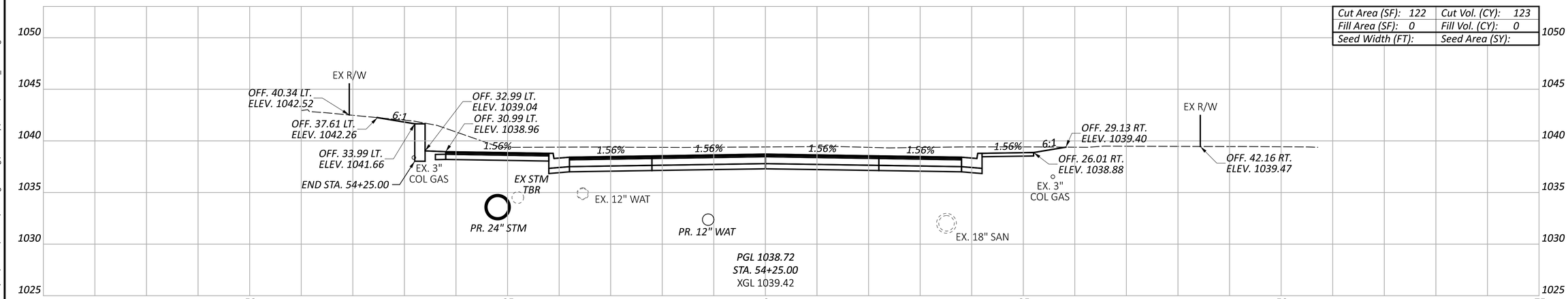
REVIEWER
SRH 05/16/25

PROJECT ID
119487

SHEET P.49 TOTAL P.108







ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	292	0

CROSS SECTIONS
PIKE STREET

LIC-TR1135-0.58

MODEL: SH - 54+25.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:14:49 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn

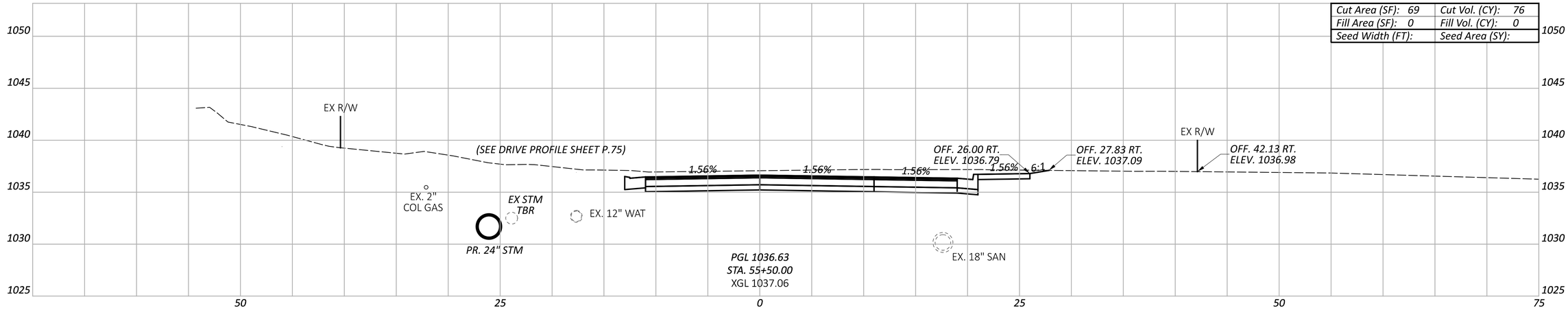
DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.360.0023
FAX: 614.360.0023

DESIGNER
MRO

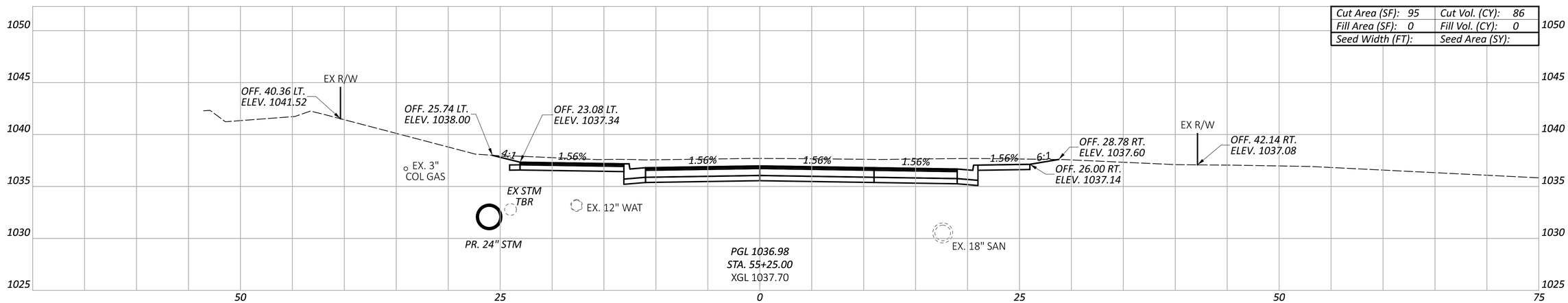
REVIEWER
SRH 05/16/25

PROJECT ID
119487

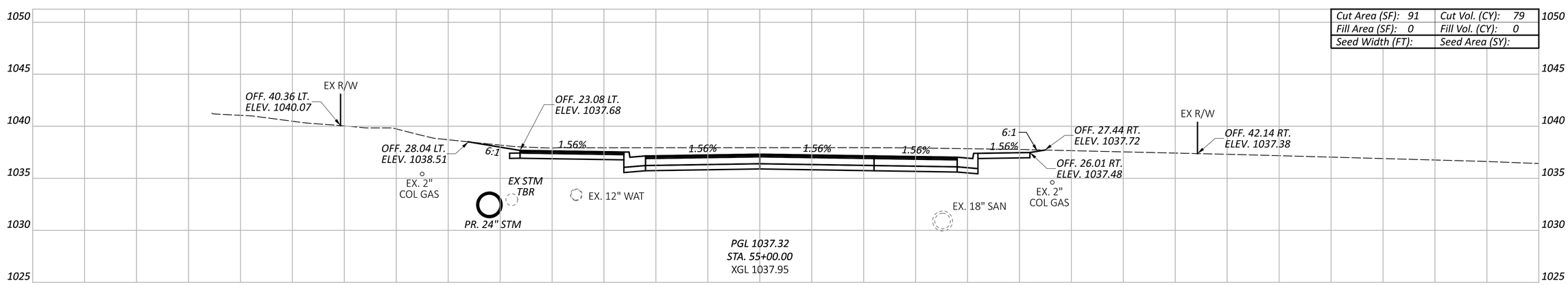
SHEET	TOTAL
P.50	P.108



Cut Area (SF): 69	Cut Vol. (CY): 76
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 95	Cut Vol. (CY): 86
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 91	Cut Vol. (CY): 79
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):

ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	241	0

CROSS SECTIONS
PIKE STREET

LIC-TR1135-0.58

MODEL: SH - 55+00.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:14:52 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
PH 614.360.0023
FAX 614.360.0023

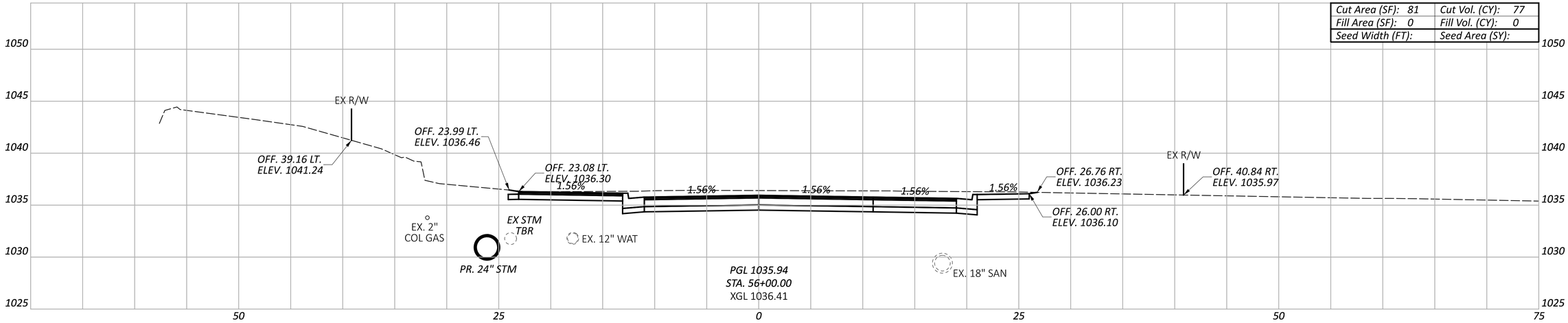
DESIGNER
MRO

REVIEWER
SRH 05/16/25

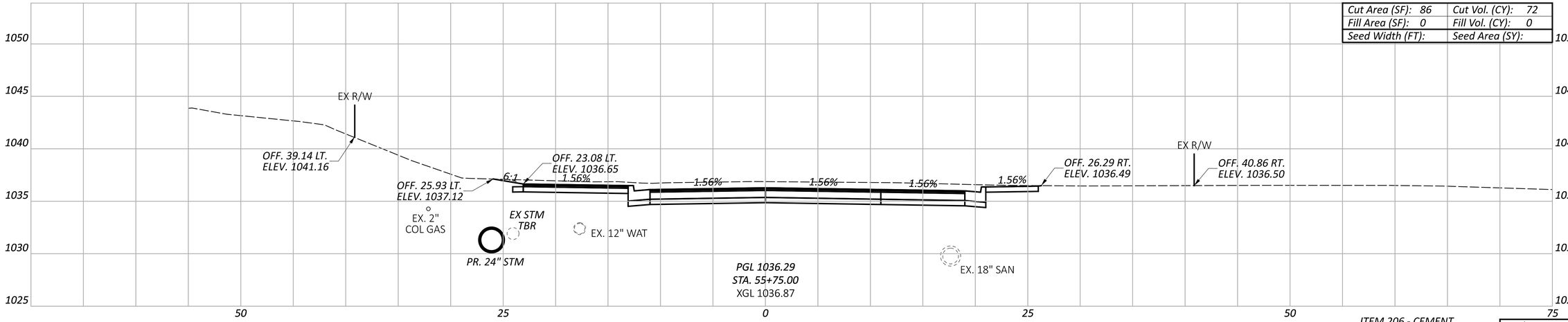
PROJECT ID
119487

SHEET P.51 TOTAL P.108

Cut Area (SF): 81	Cut Vol. (CY): 77
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 86	Cut Vol. (CY): 72
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	149	0

CROSS SECTIONS
PIKE STREET

DESIGN AGENCY
verdantas
1550 WEST MAIN STREET
NEWARK, OH 43055
TEL 614.560.0023
FAX 614.560.0023

DESIGNER
MRO

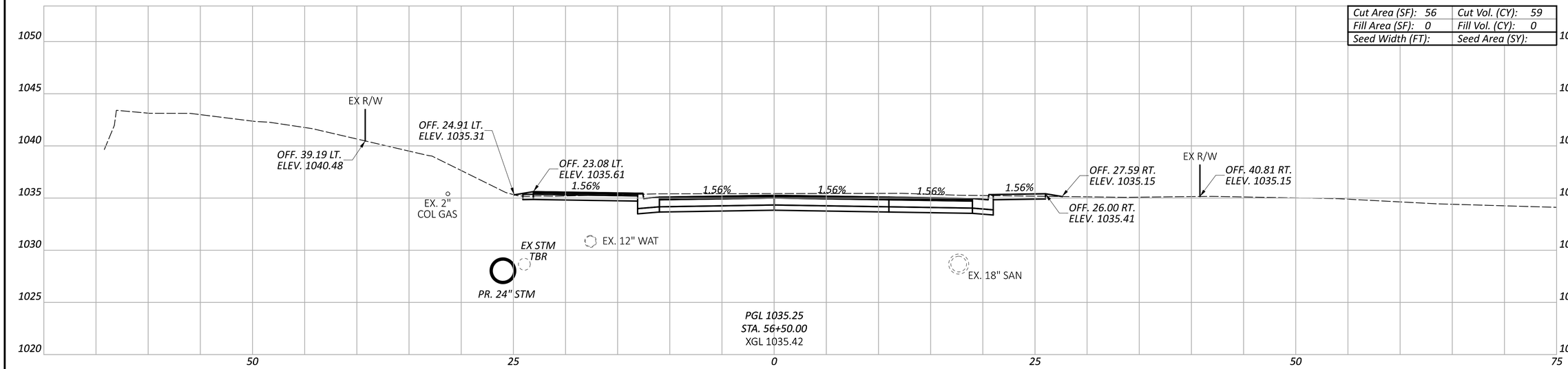
REVIEWER
SRH 05/16/25

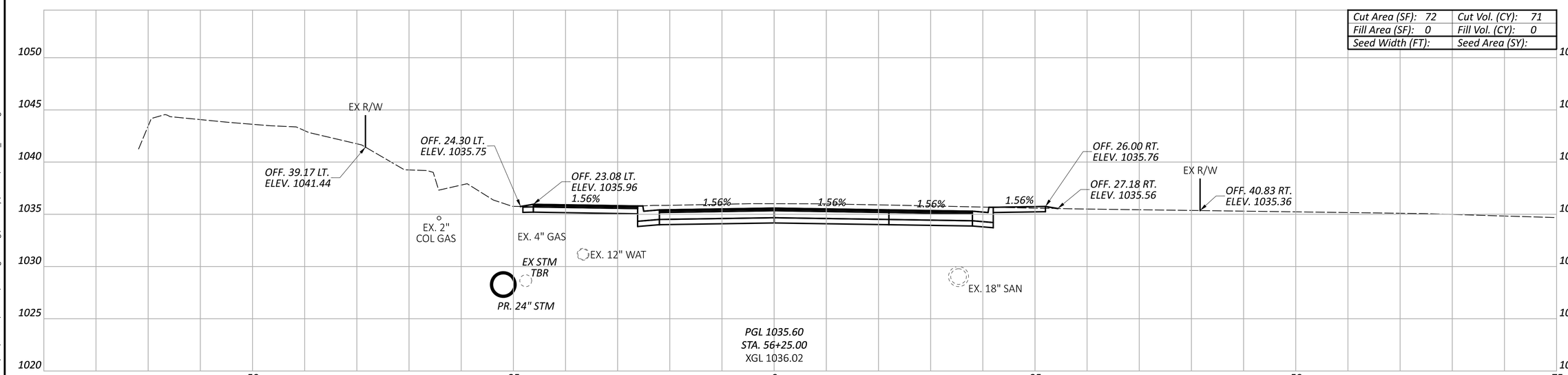
PROJECT ID
119487

SHEET P.52 | TOTAL P.108

LIC-TR1135-0.58

MODEL: SH - 55+75.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:14:54 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn





ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	130	0

CROSS SECTIONS
PIKE STREET

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TELEPHONE 740.345.5400
FAX 614.360.0023

DESIGNER
MRO

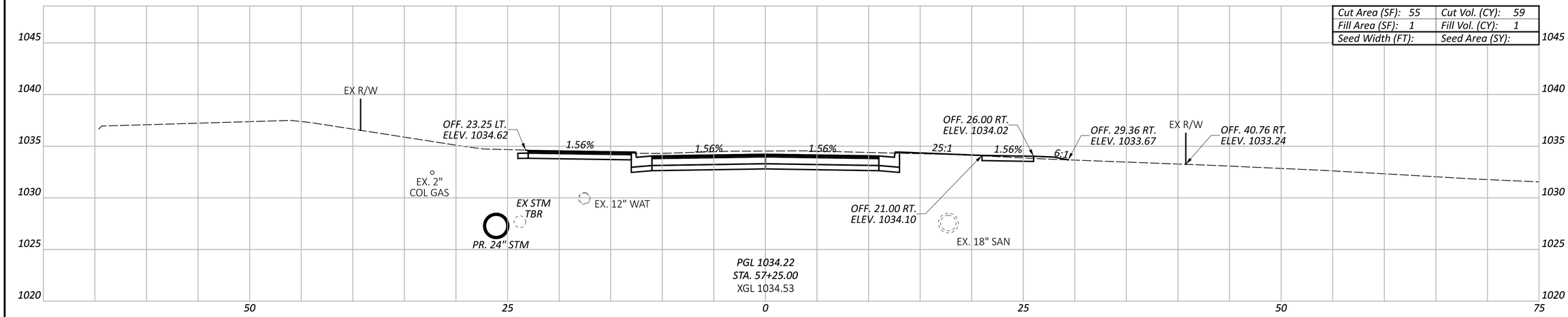
REVIEWER
SRH 05/16/25

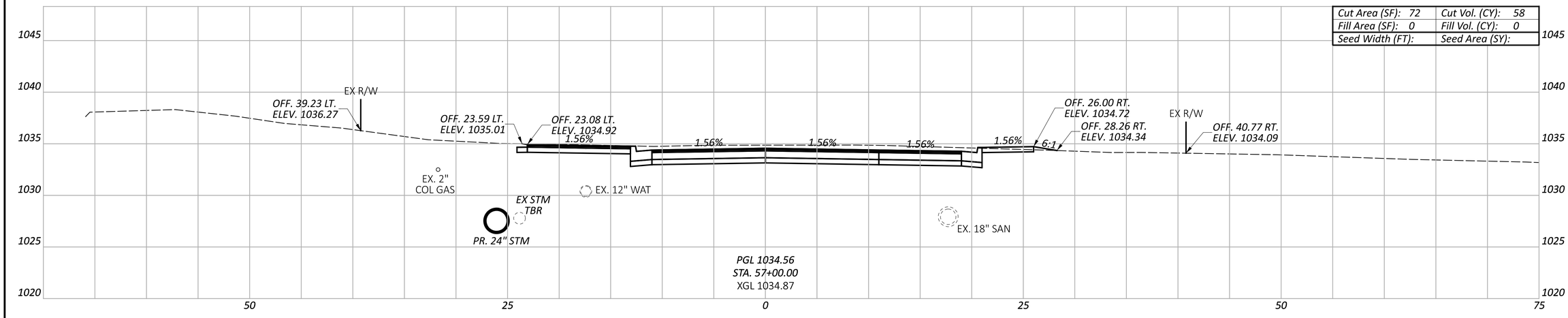
PROJECT ID
119487

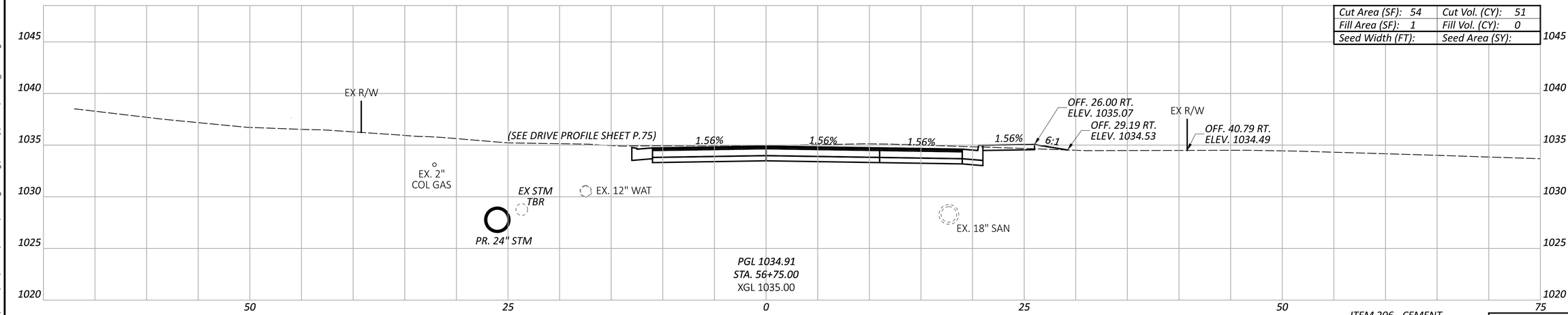
SHEET P.53 | TOTAL P.108

LIC-TR1135-0.58

MODEL: SH - 56+25.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:14:56 AM USER: morr
F:\Clients\Active\LCTLCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn







ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	168	1

CROSS SECTIONS
PIKE STREET

LIC-TR1135-0.58

MODEL: SH - 56+75.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:14:58 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn

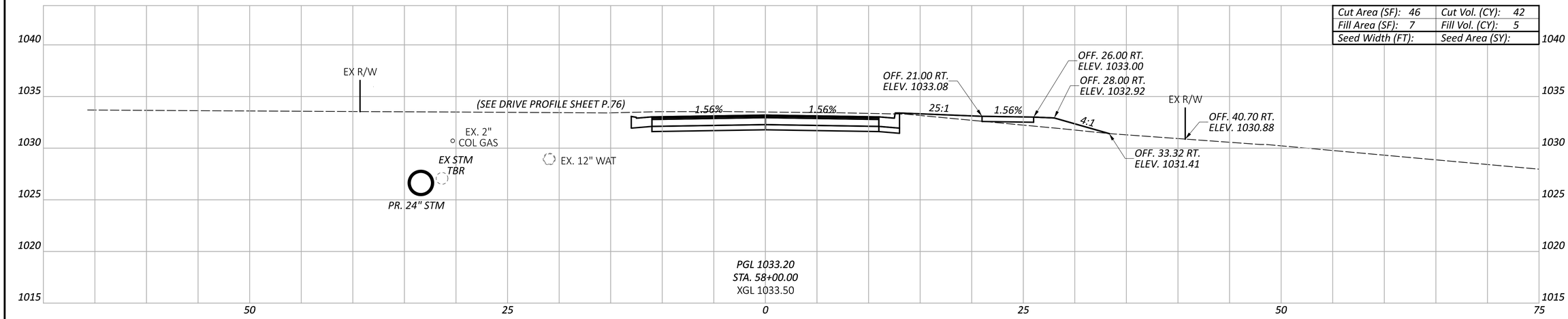
DESIGN AGENCY
verdantas
1559 WEST MAIN STREET
NEWARK, OH 43055
TEL 614.360.0023
FAX 614.360.0023

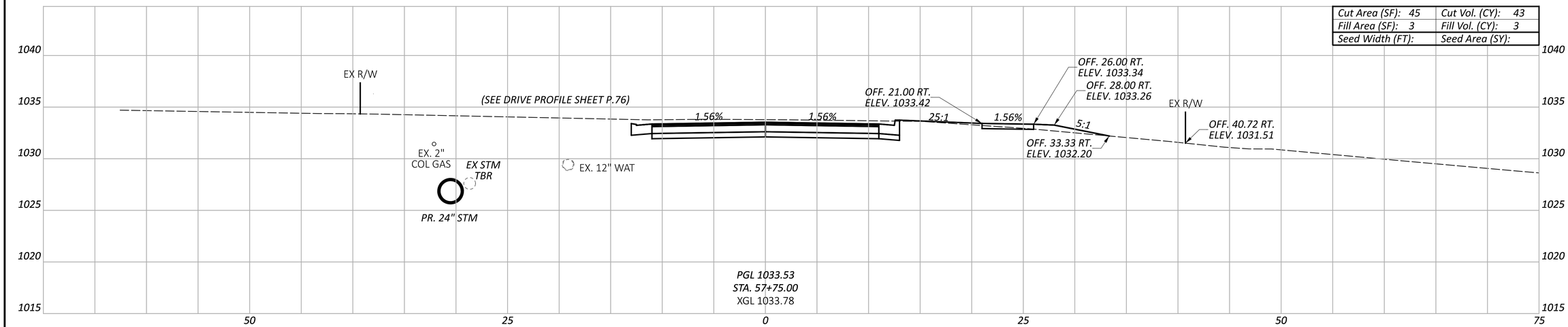
DESIGNER
MRO

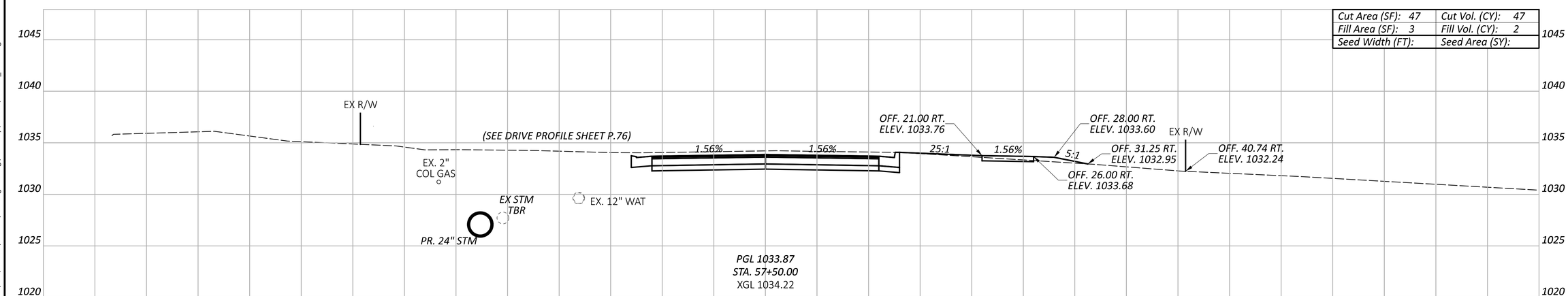
REVIEWER
SRH 05/16/25

PROJECT ID
119487

SHEET	TOTAL
P.54	P.108







ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	132	10

CROSS SECTIONS
PIKE STREET

LIC-TR1135-0.58

MODEL: SH - 57+50.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:01 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn

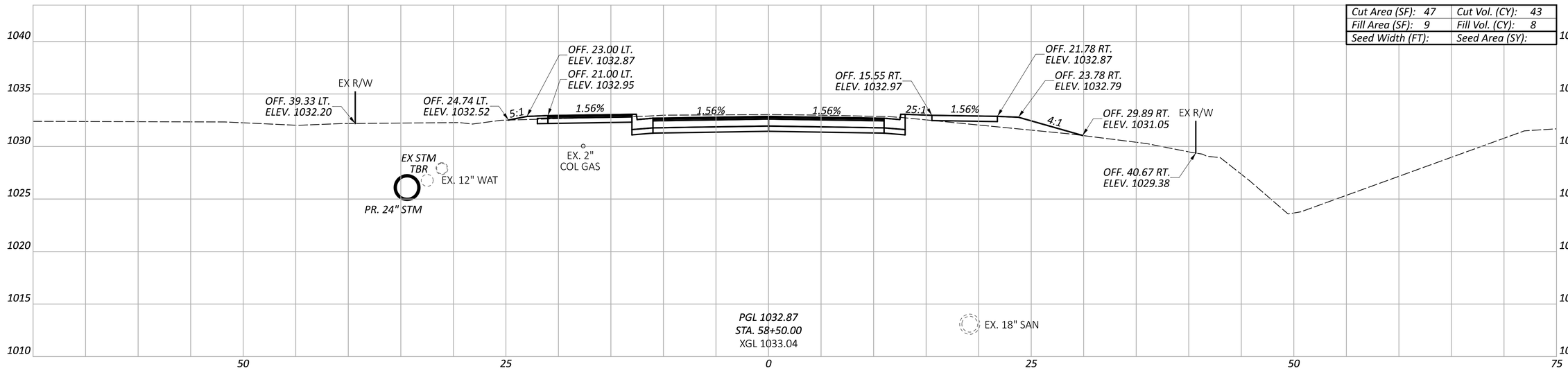
DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.560.0023
FAX: 614.560.0023

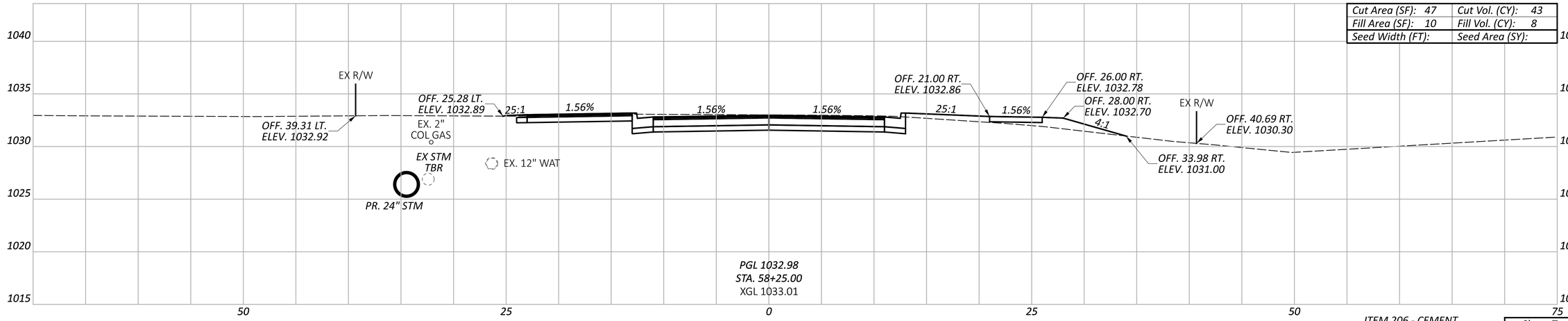
DESIGNER
MRO

REVIEWER
SRH 05/16/25

PROJECT ID
119487

SHEET	TOTAL
P.55	P.108





ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	86	16

CROSS SECTIONS
PIKE STREET

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL 614.360.0023
FAX 614.360.0023

DESIGNER
MRO

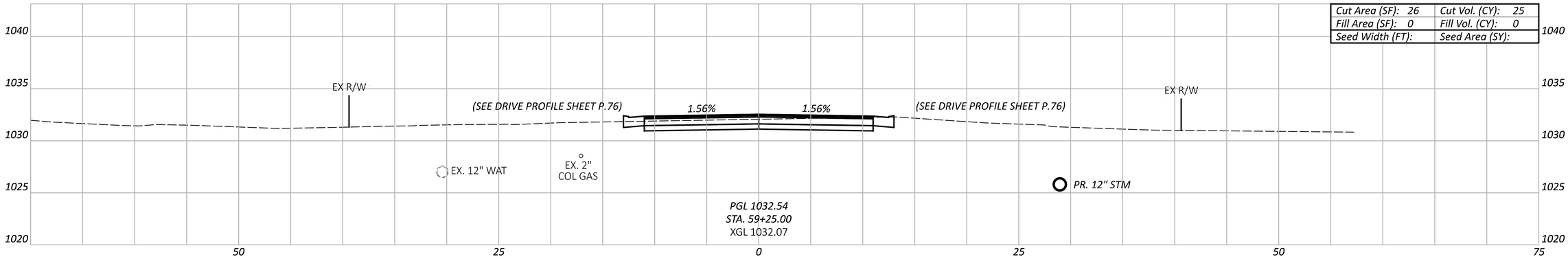
REVIEWER
SRH 05/16/25

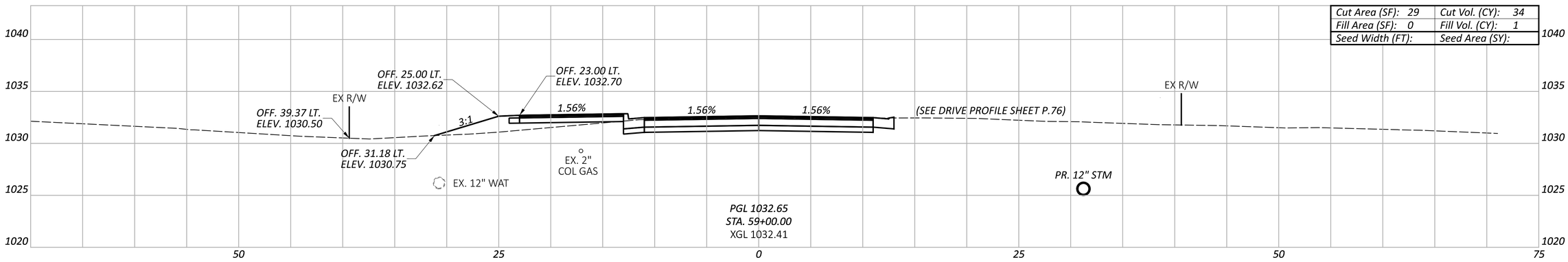
PROJECT ID
119487

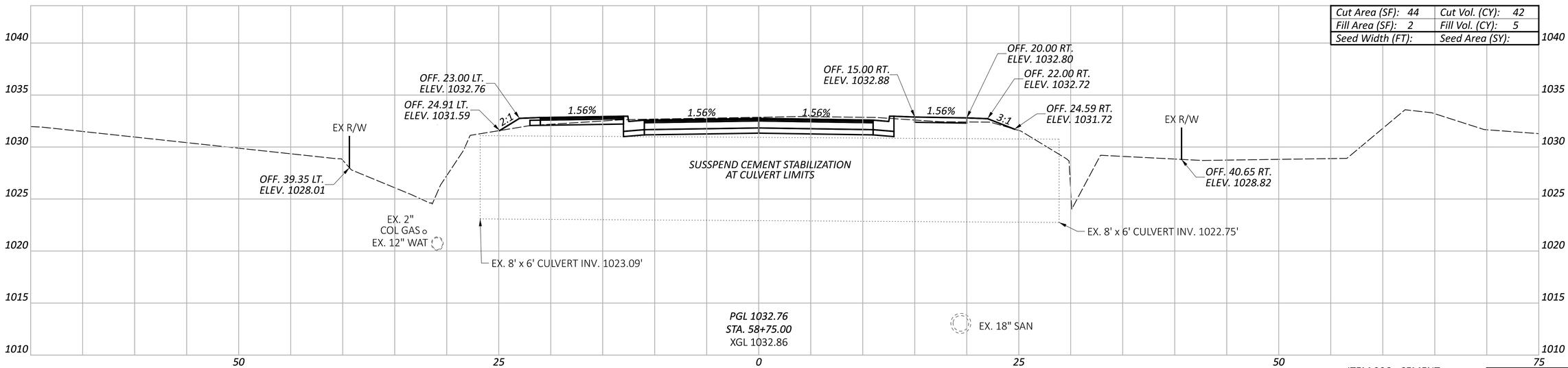
SHEET	TOTAL
P.56	P.108

LIC-TR1135-0.58

MODEL: SH - 58+25.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:04 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn







ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	101	6

CROSS SECTIONS
PIKE STREET

LIC-TR1135-0.58

MODEL: SH - 58+75.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:06 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.440.4300
FAX: 614.360.0023

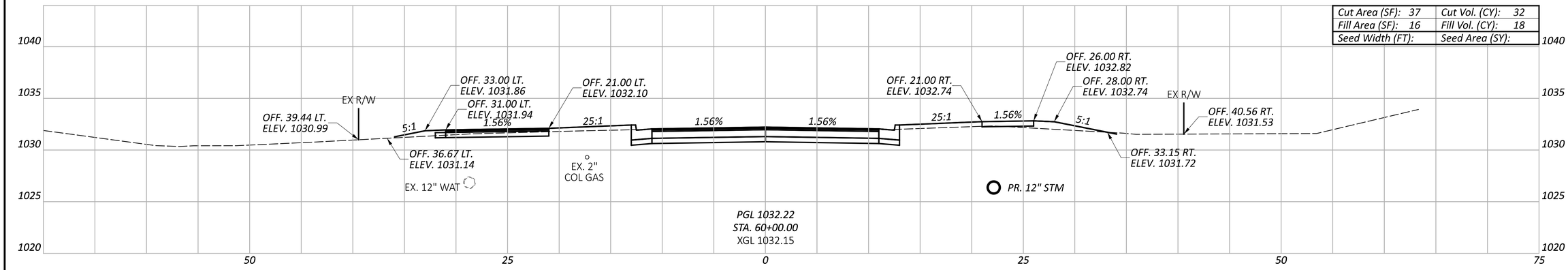
DESIGNER
MRO

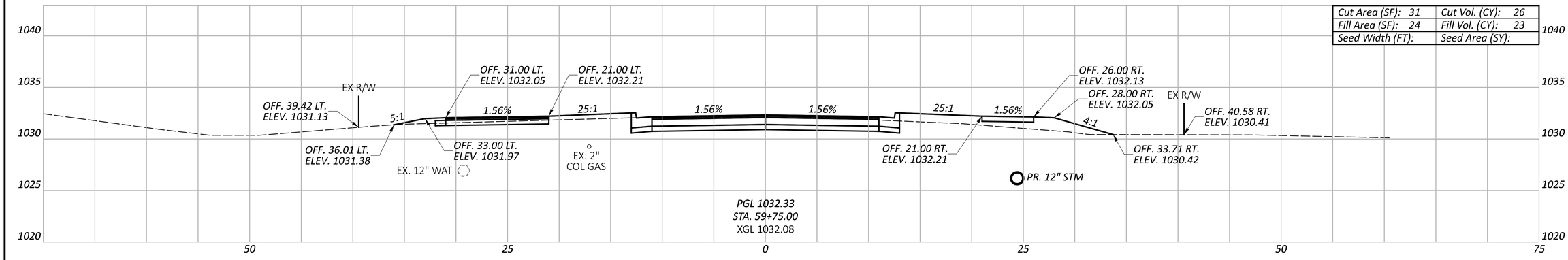
REVIEWER
SRH 05/16/25

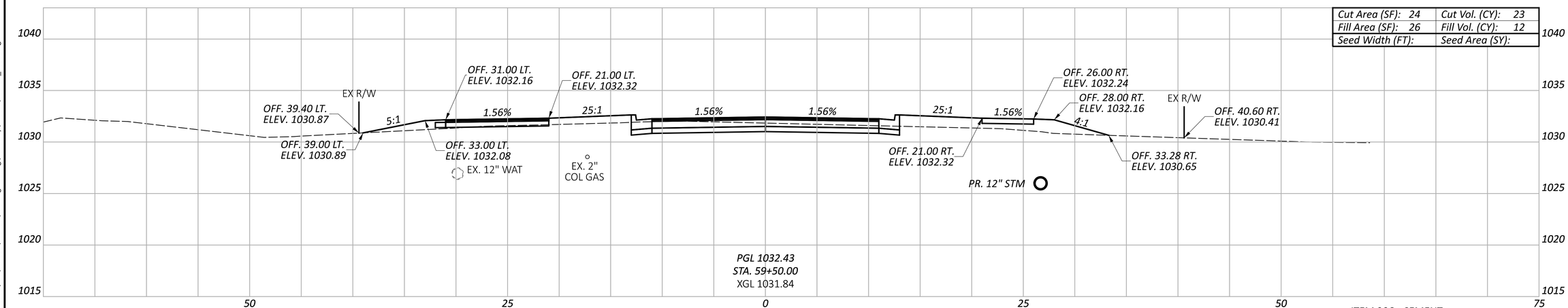
PROJECT ID
119487

SHEET	TOTAL
P.57	P.108

CROSS SECTIONS
PIKE STREET







ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	81	53

LIC-TR1135-0.58

MODEL: SH - 59+50.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:08 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn

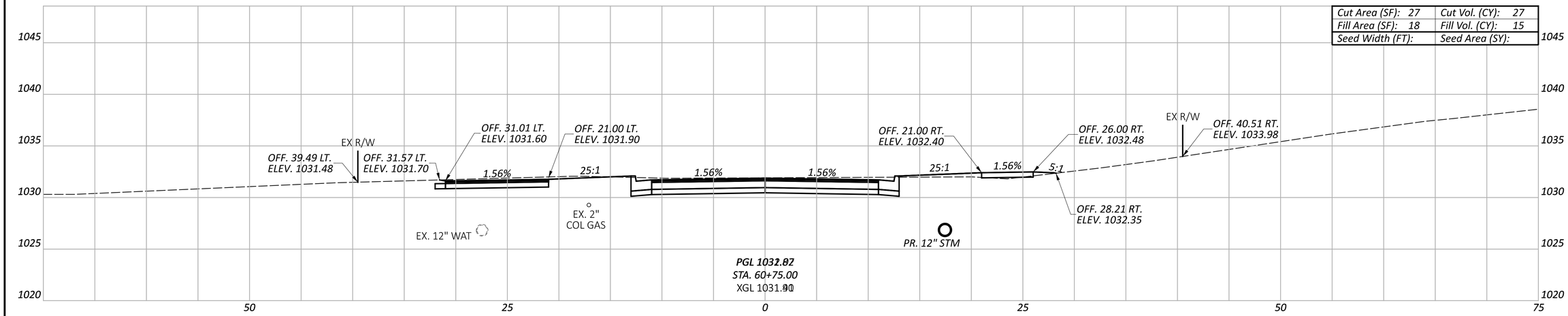
DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.360.0023
FAX: 614.360.0023

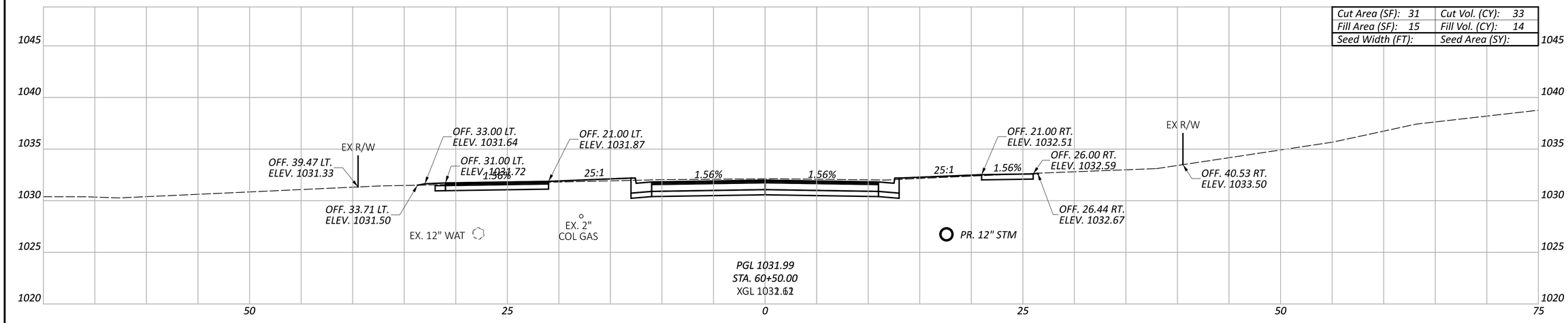
DESIGNER
MRO

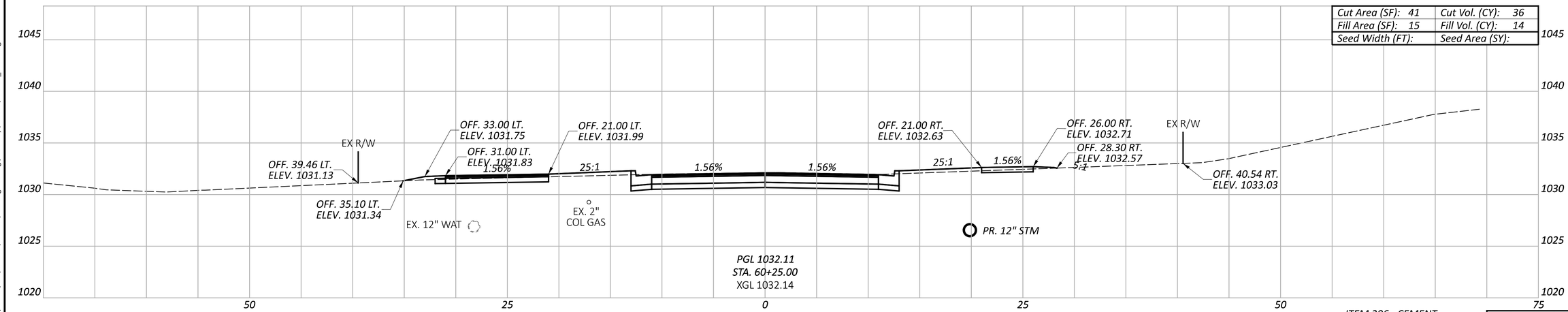
REVIEWER
SRH 05/16/25

PROJECT ID
119487

SHEET	TOTAL
P.58	P.108







ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	96	43

CROSS SECTIONS
PIKE STREET

LIC-TR1135-0.58

MODEL: SH - 60+25.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:11 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn

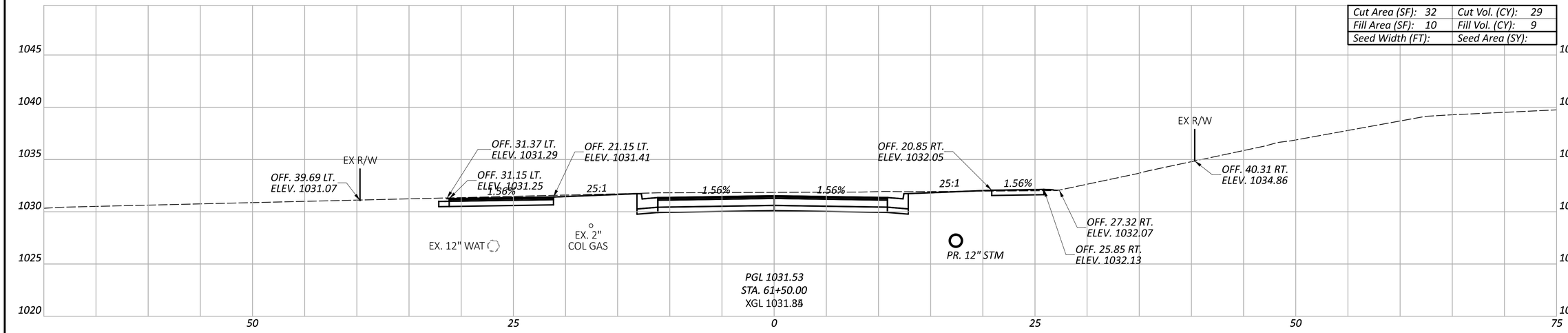
DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
PH. 614.360.0023
FAX 614.360.0033

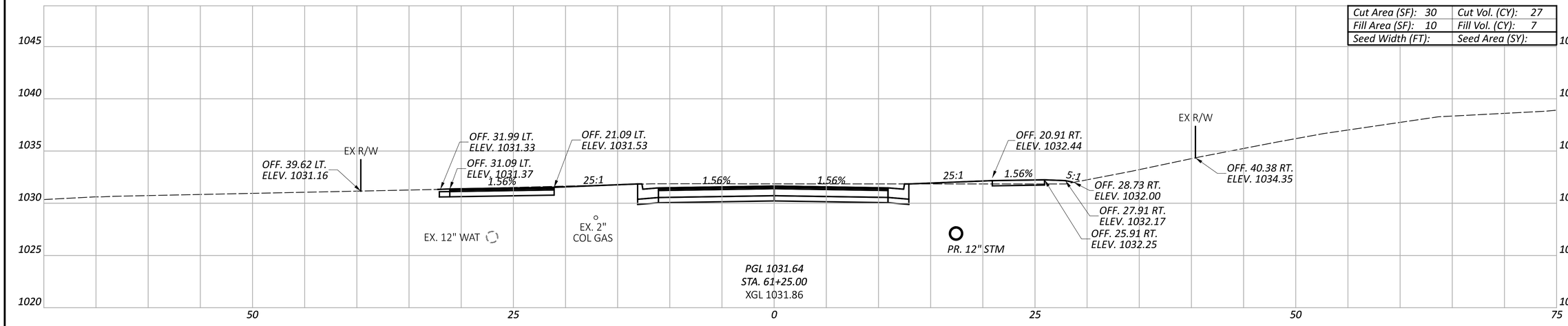
DESIGNER
MRO

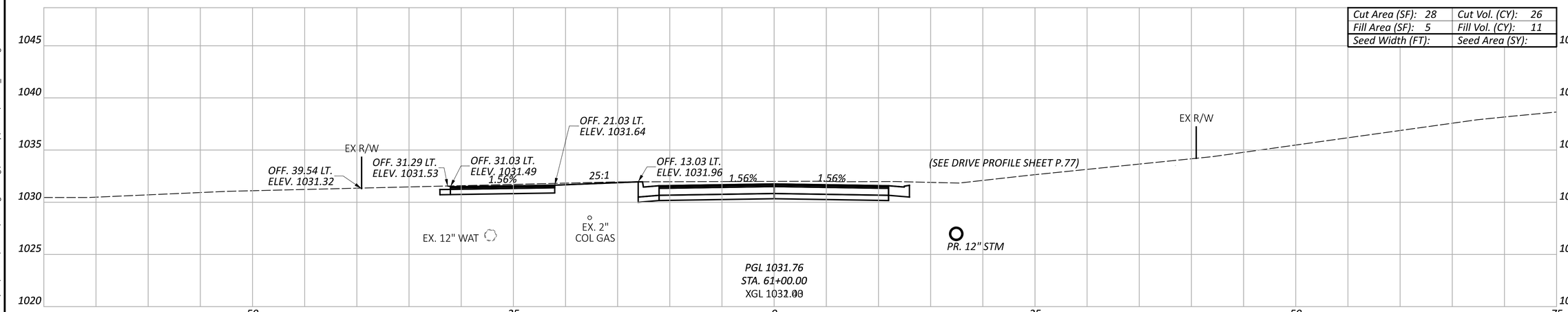
REVIEWER
SRH 05/16/25

PROJECT ID
119487

SHEET	TOTAL
P.59	P.108







ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	82	27

CROSS SECTIONS
PIKE STREET

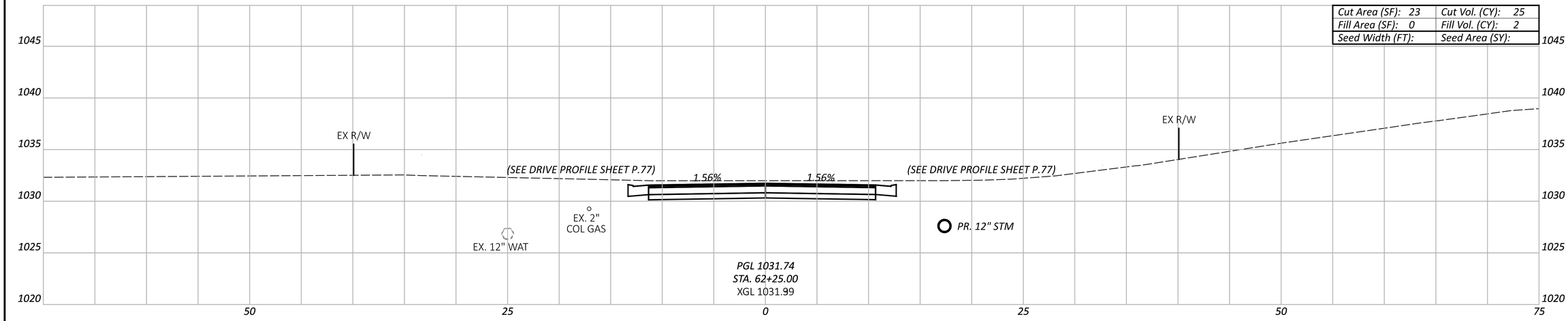
LIC-TR1135-0.58

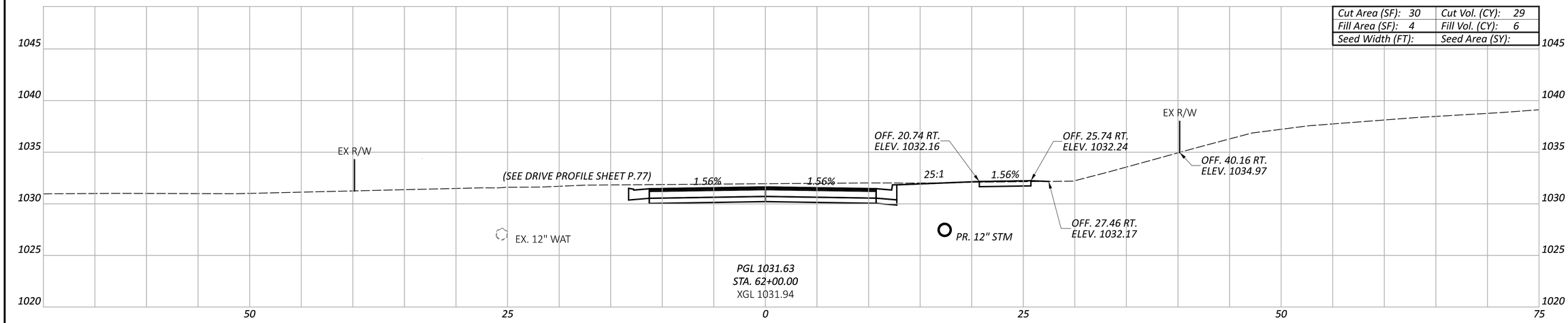
MODEL: SH - 61+00.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:14 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn

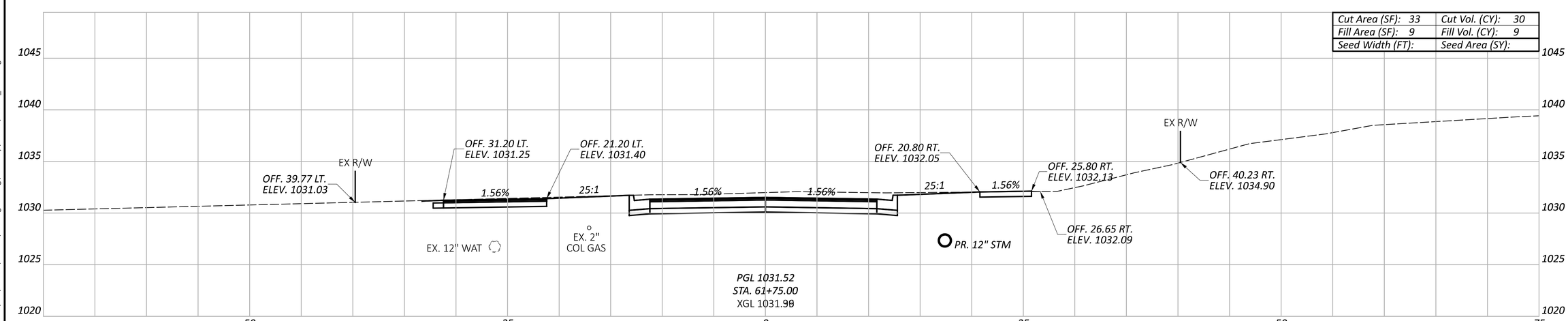
DESIGN AGENCY
verdantas
1550 WEST MAIN STREET
NEWARK, OH 43055
PH 614.460.4400
FAX 614.560.0023

DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487

SHEET	TOTAL
P.60	P.108







ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	84	17

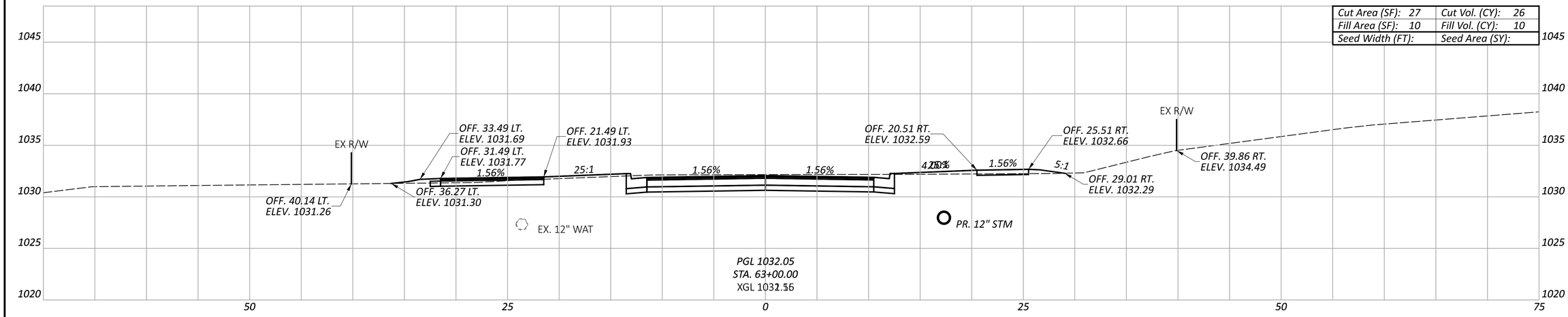
CROSS SECTIONS
PIKE STREET

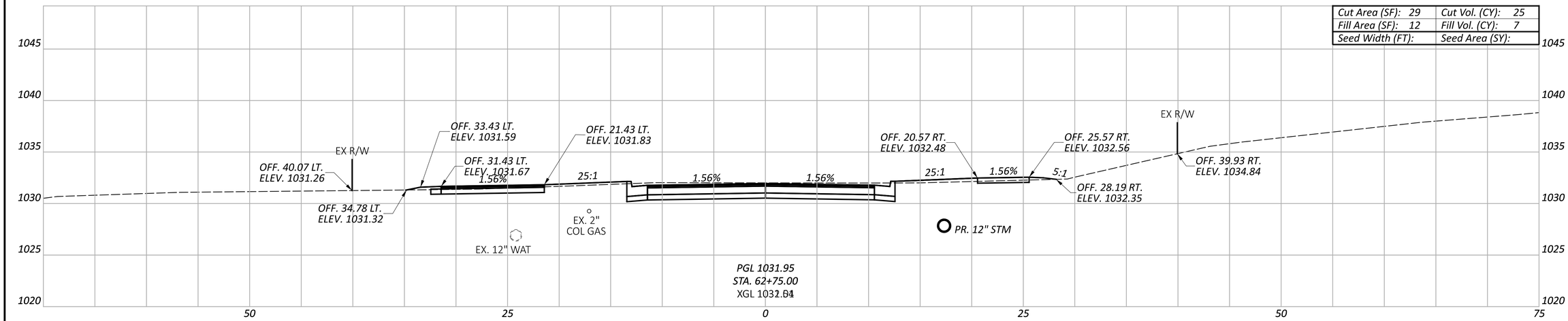
DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 740.344.4455
FAX: 614.360.0023

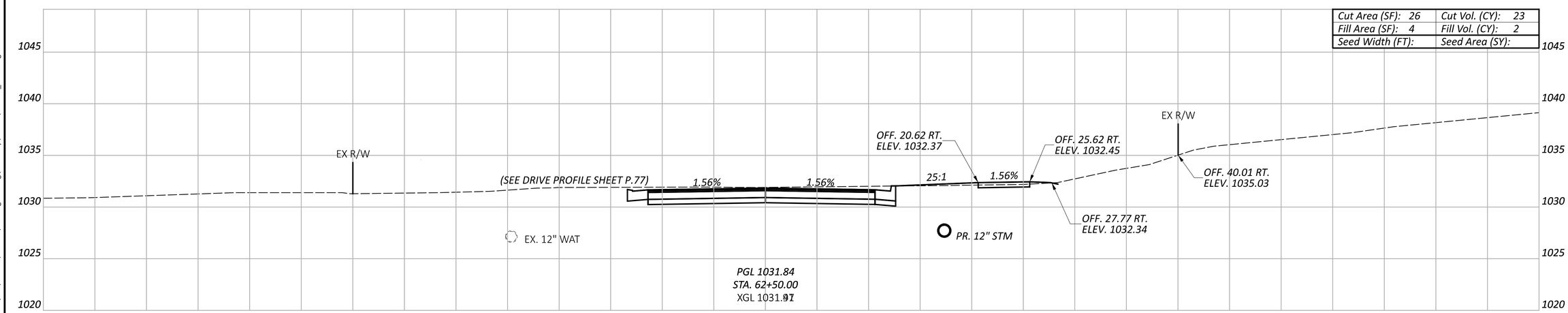
DESIGNER	MRO
REVIEWER	SRH 05/16/25
PROJECT ID	119487
SHEET	P.61
TOTAL	P.108

LIC-TR1135-0.58

MODEL: SH - 61+75.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:16 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn







ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	74	19

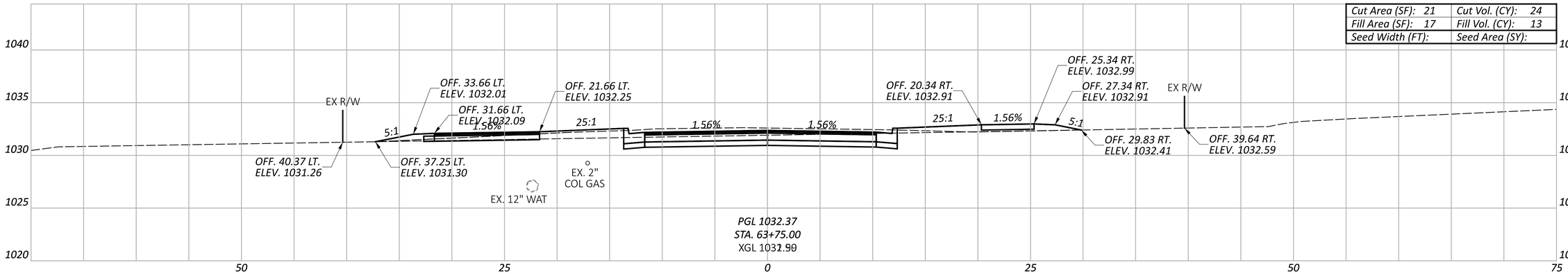
CROSS SECTIONS
PIKE STREET

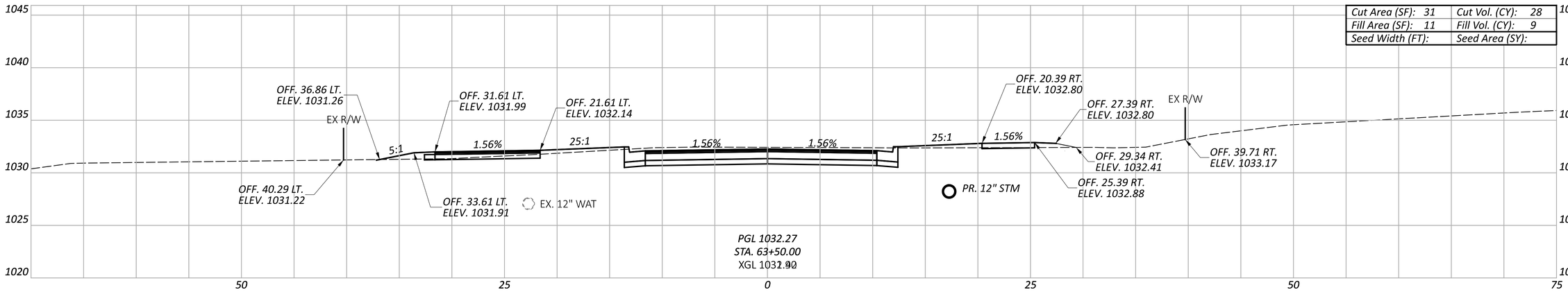
DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 740.345.4455
FAX: 614.360.0023

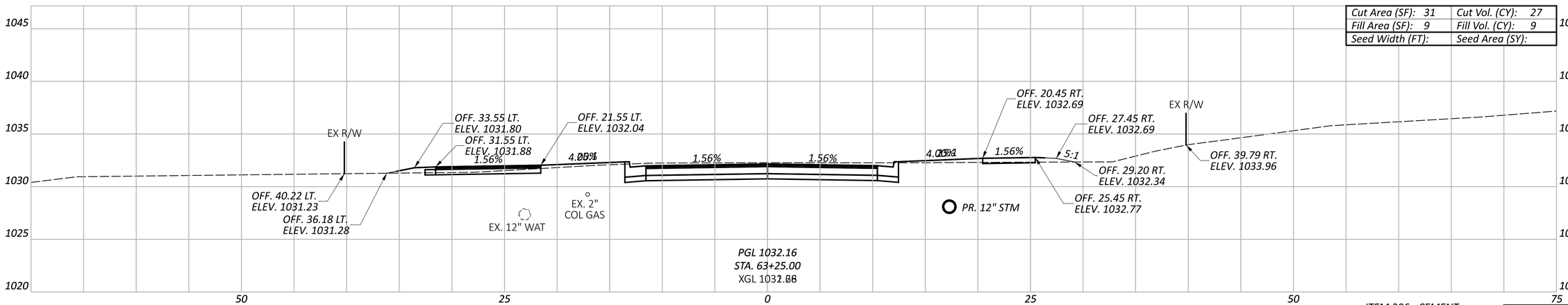
DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET P.62 TOTAL P.108

LIC-TR1135-0.58

MODEL: SH - 62+50.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:19 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn







ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	79	31

CROSS SECTIONS
PIKE STREET

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL 614.460.4600
FAX 614.360.0033

DESIGNER
MRO

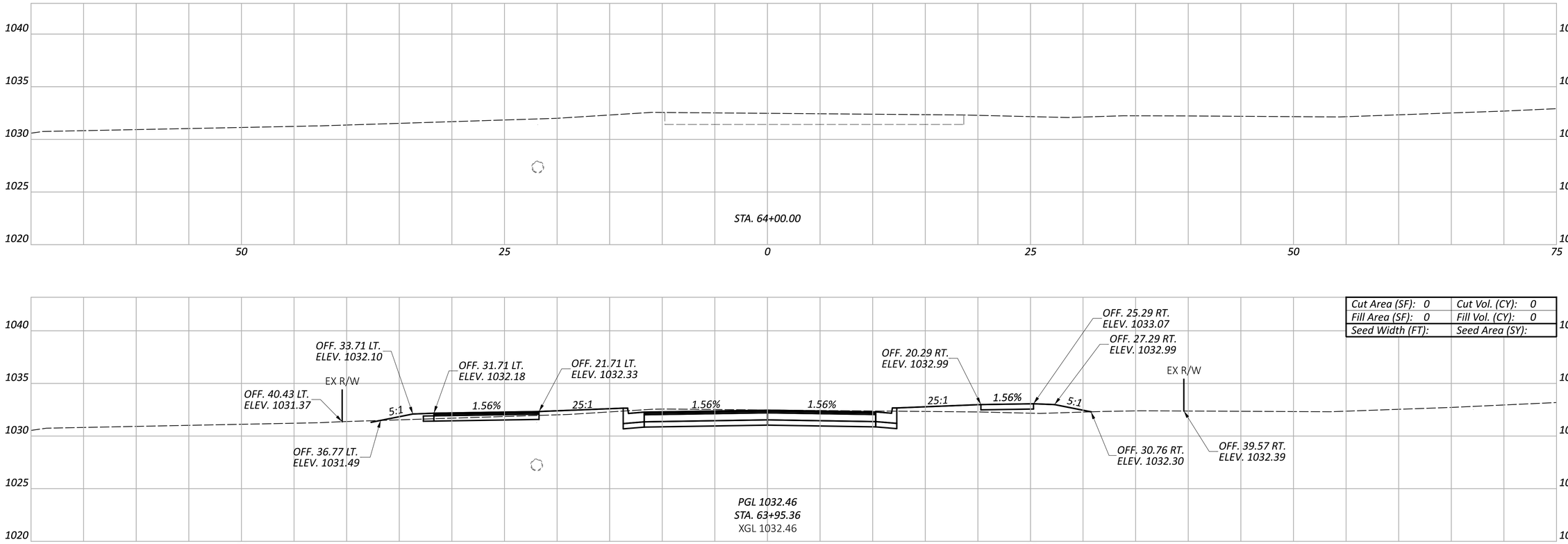
REVIEWER
SRH 05/16/25

PROJECT ID
119487

SHEET	TOTAL
P.63	P.108

LIC-TR1135-0.58

MODEL: SH - 63+25.00 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:22 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn



ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP

Sheet Totals		
Seeding	Cut	Fill
	0	0

CROSS SECTIONS
PIKE STREET

LIC-TR1135-0.58

MODEL: CLP_6 - 63+95.36 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:24 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS002.dgn

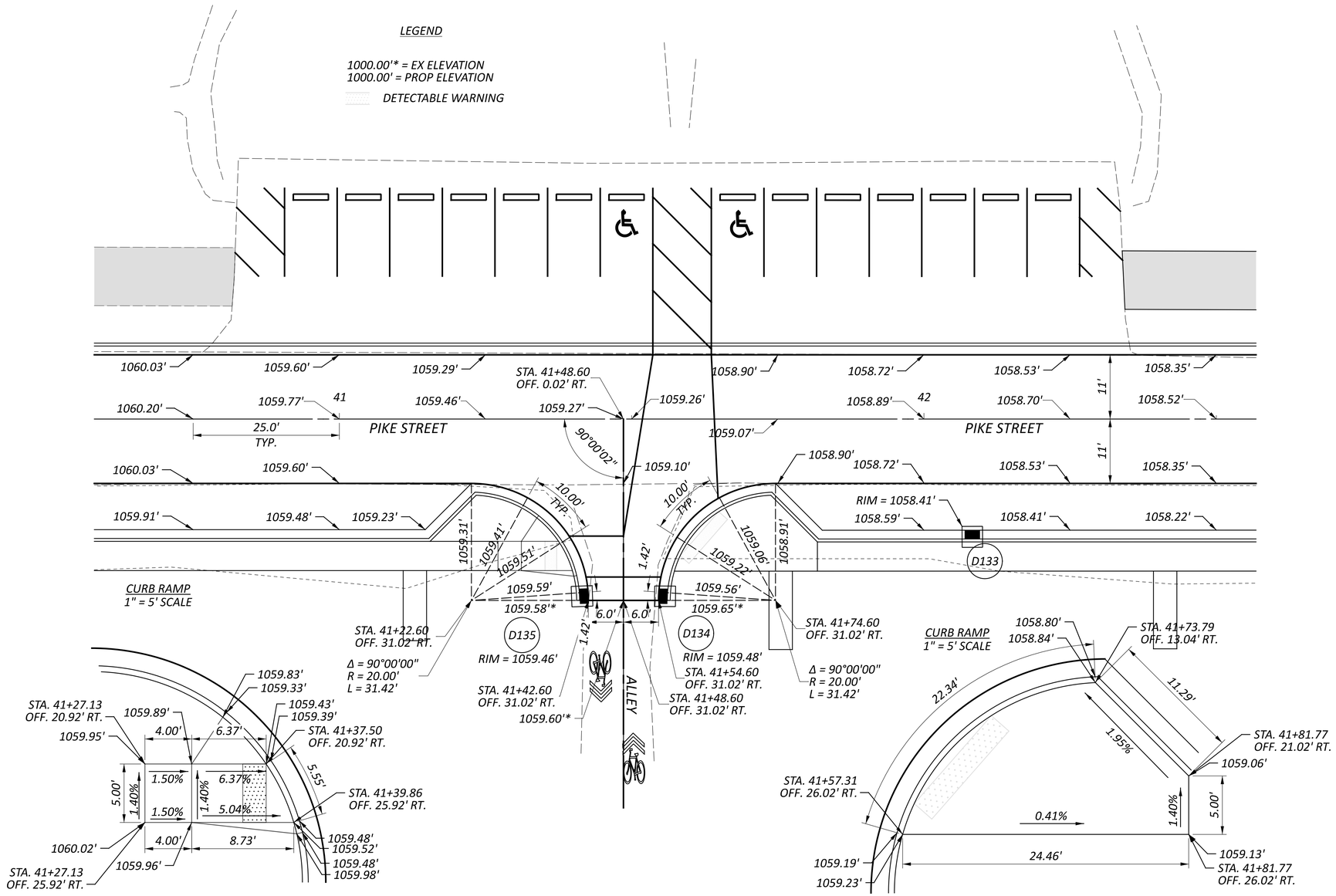
DESIGN AGENCY
verdantas
1550 WEST MAIN STREET
NEW PHILADELPHIA, OH 44663
TEL 740.344.1431
FAX 614.360.0023

DESIGNER
MRO

REVIEWER
SRH 05/16/25

PROJECT ID
119487

SHEET P.64 TOTAL P.108



HORIZONTAL SCALE IN FEET
0 10 20

INTERSECTION DETAILS
PIKE STREET

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL 614.463.4422
FAX 614.360.0023

DESIGNER
MRO

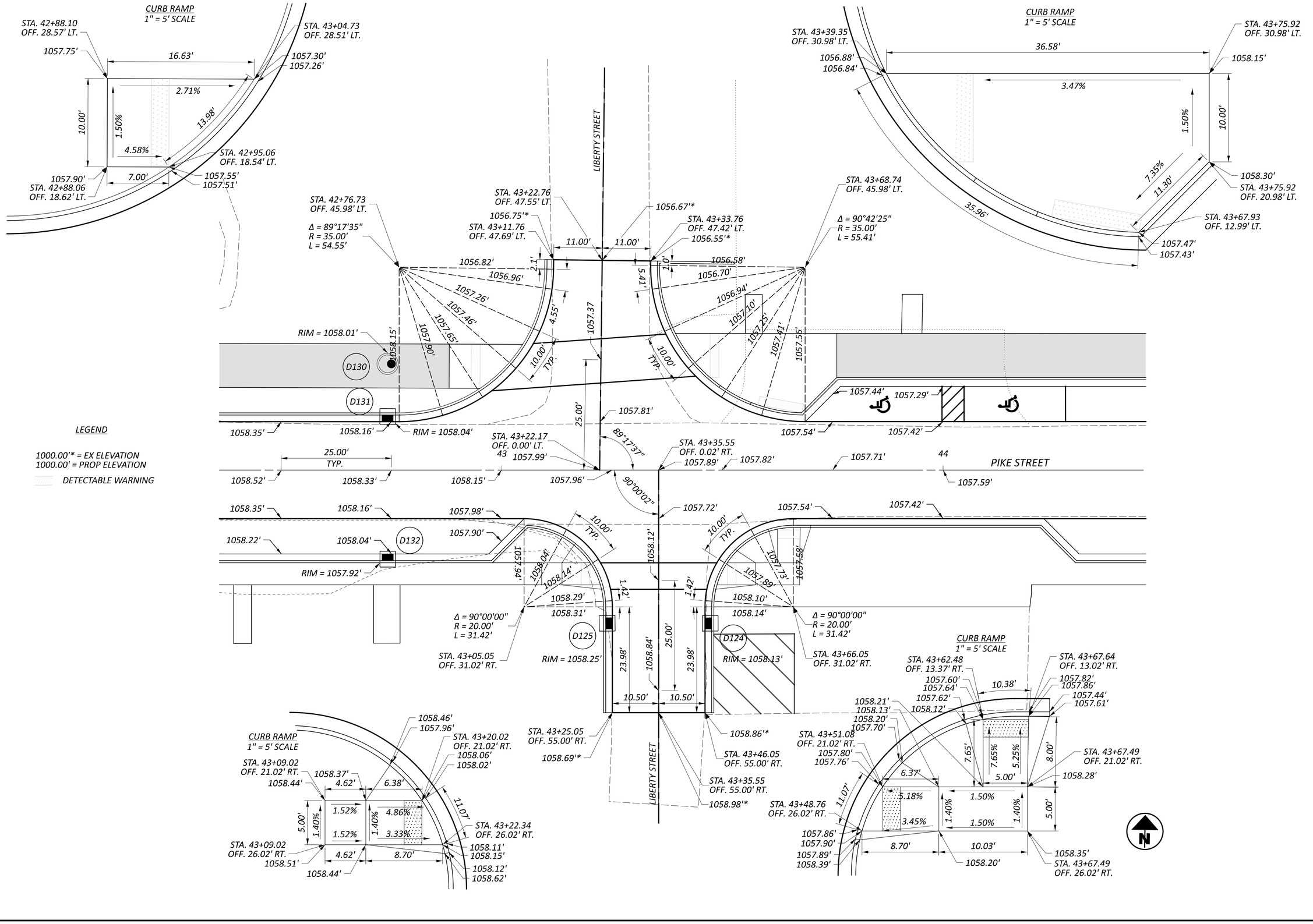
REVIEWER
SRH 05/16/25

PROJECT ID
119487

SHEET P.65 | TOTAL P.108

LIC-TR1135-0.58

MODEL: 119487_GI101 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:28 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_GI101.dgn



INTERSECTION DETAILS
PIKE STREET

LIC-TR1135-0.58

MODEL: 119487_GI102 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:30 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_GI102.dgn

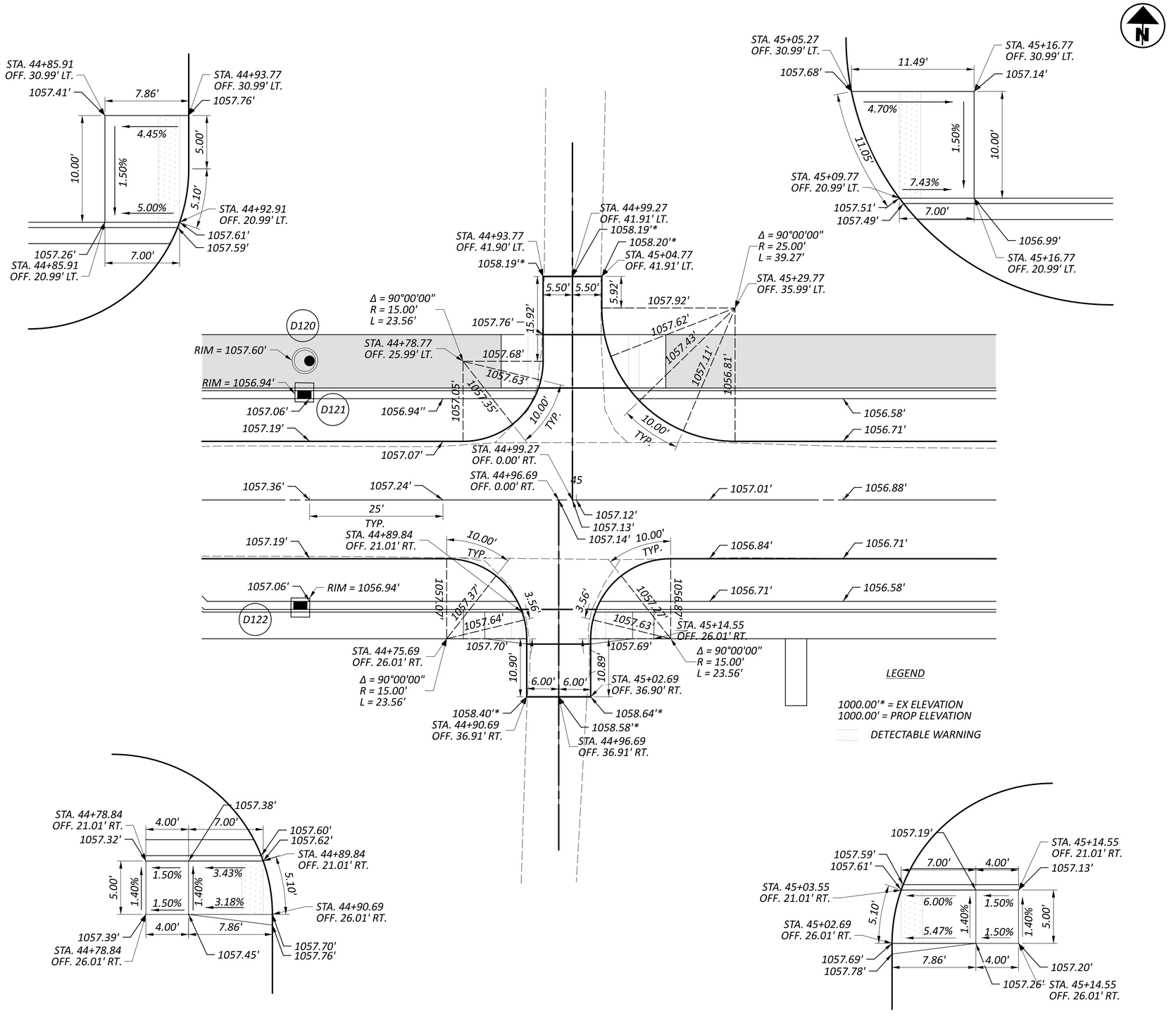
DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.360.4455
FAX: 614.360.0023

DESIGNER
MRO

REVIEWER
SRH 05/16/25

PROJECT ID
119487

SHEET P.66 | TOTAL P.108



HORIZONTAL SCALE IN FEET
0 10 20

INTERSECTION DETAILS
PIKE STREET

LIC-TR1135-0.58

MODEL: 119487_GI103 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:32 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_GI103.dgn

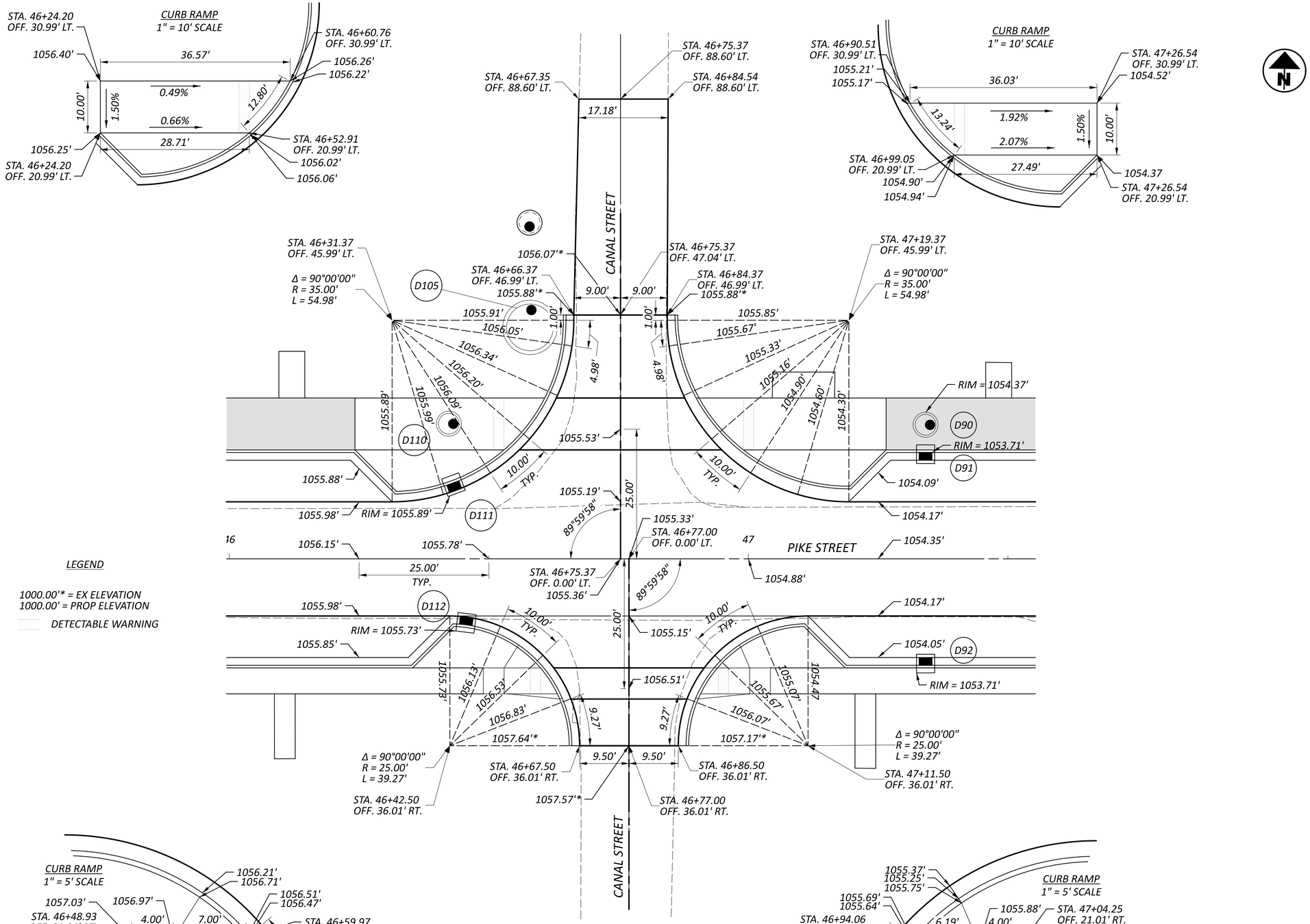
DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL 614.441.4455
FAX 614.300.0023

DESIGNER
MRO

REVIEWER
SRH 05/16/25

PROJECT ID
119487

SHEET P.67 TOTAL P.108



LIC-TR1135-0.58

MODEL: 119487_GI104 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:34 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_GI104.dgn

INTERSECTION DETAILS
PIKE STREET

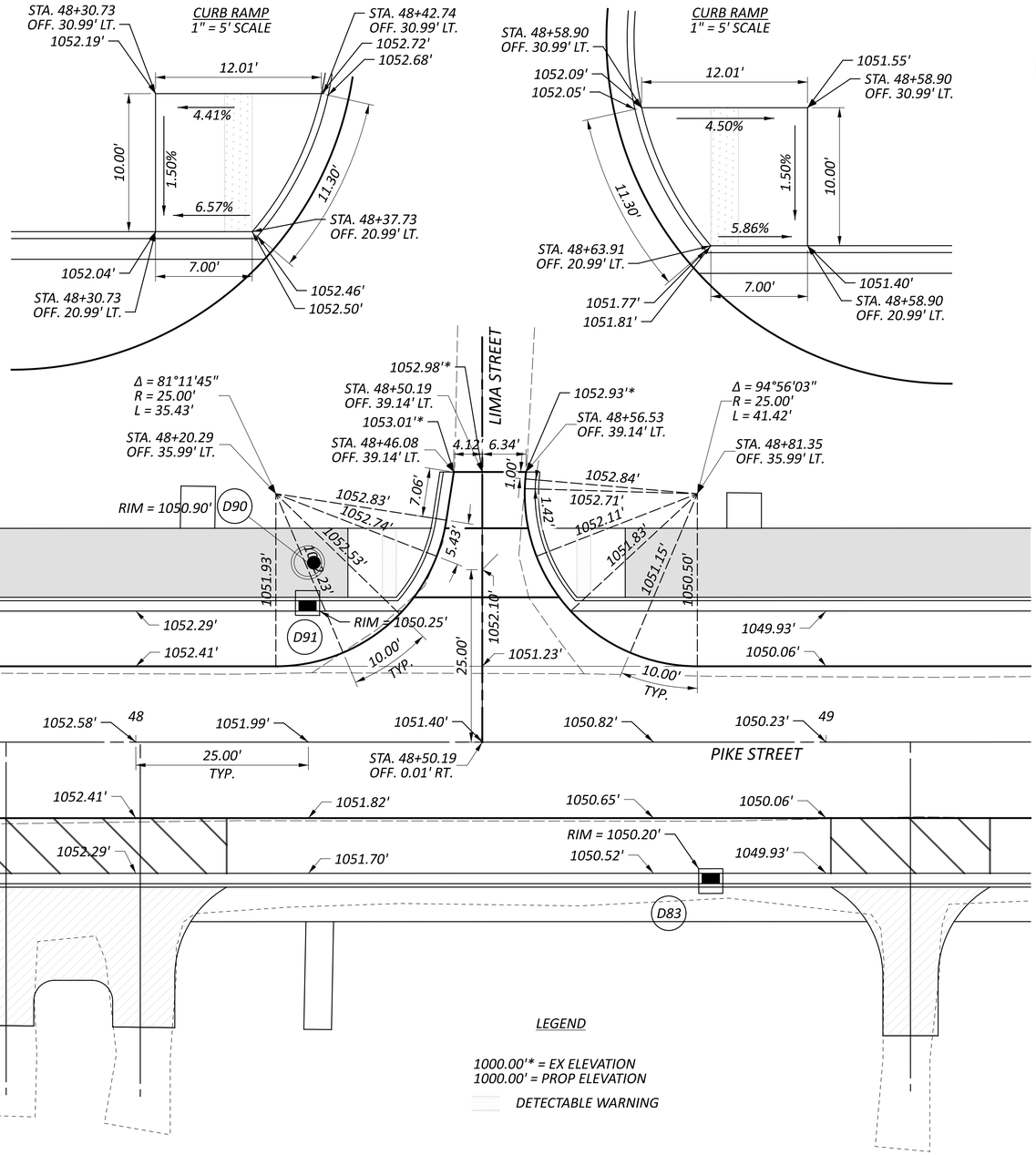
DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL 740.345.4455
FAX 614.360.0023

DESIGNER
MRO

REVIEWER
SRH 05/16/25

PROJECT ID
119487

SHEET P.68 TOTAL P.108



HORIZONTAL
SCALE IN FEET
0 10 20

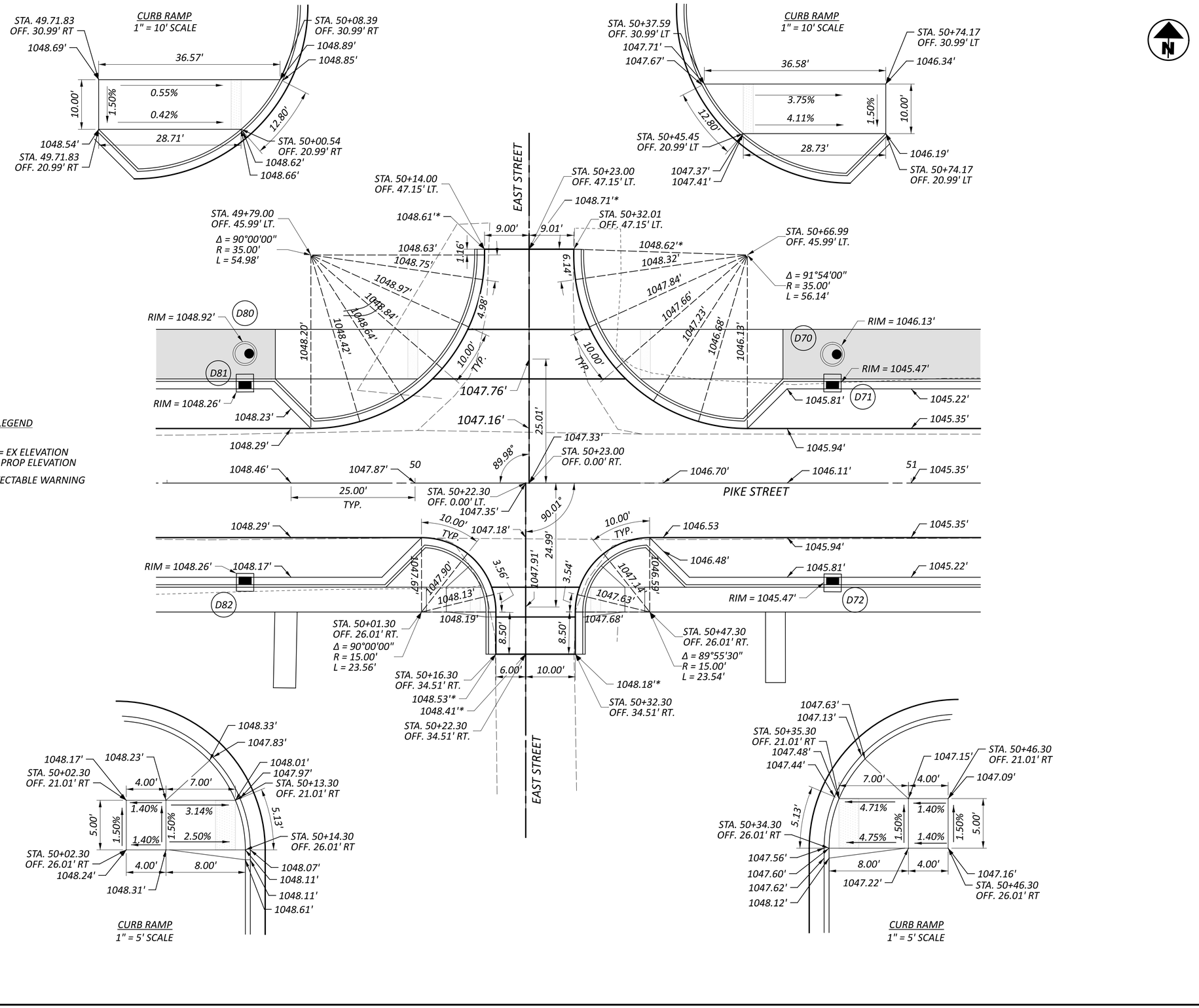
INTERSECTION DETAILS
PIKE STREET

LIC-TR1135-0.58

MODEL: 119487_GI105 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:36 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_GI105.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.344.1351
FAX: 614.360.0023

DESIGNER	MRO
REVIEWER	SRH 05/16/25
PROJECT ID	119487
SHEET	P.69
TOTAL	P.108



HORIZONTAL
SCALE IN FEET
0 10 20

INTERSECTION DETAILS
PIKE STREET

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL 614.440.4455
FAX 614.360.0023

DESIGNER
MRO

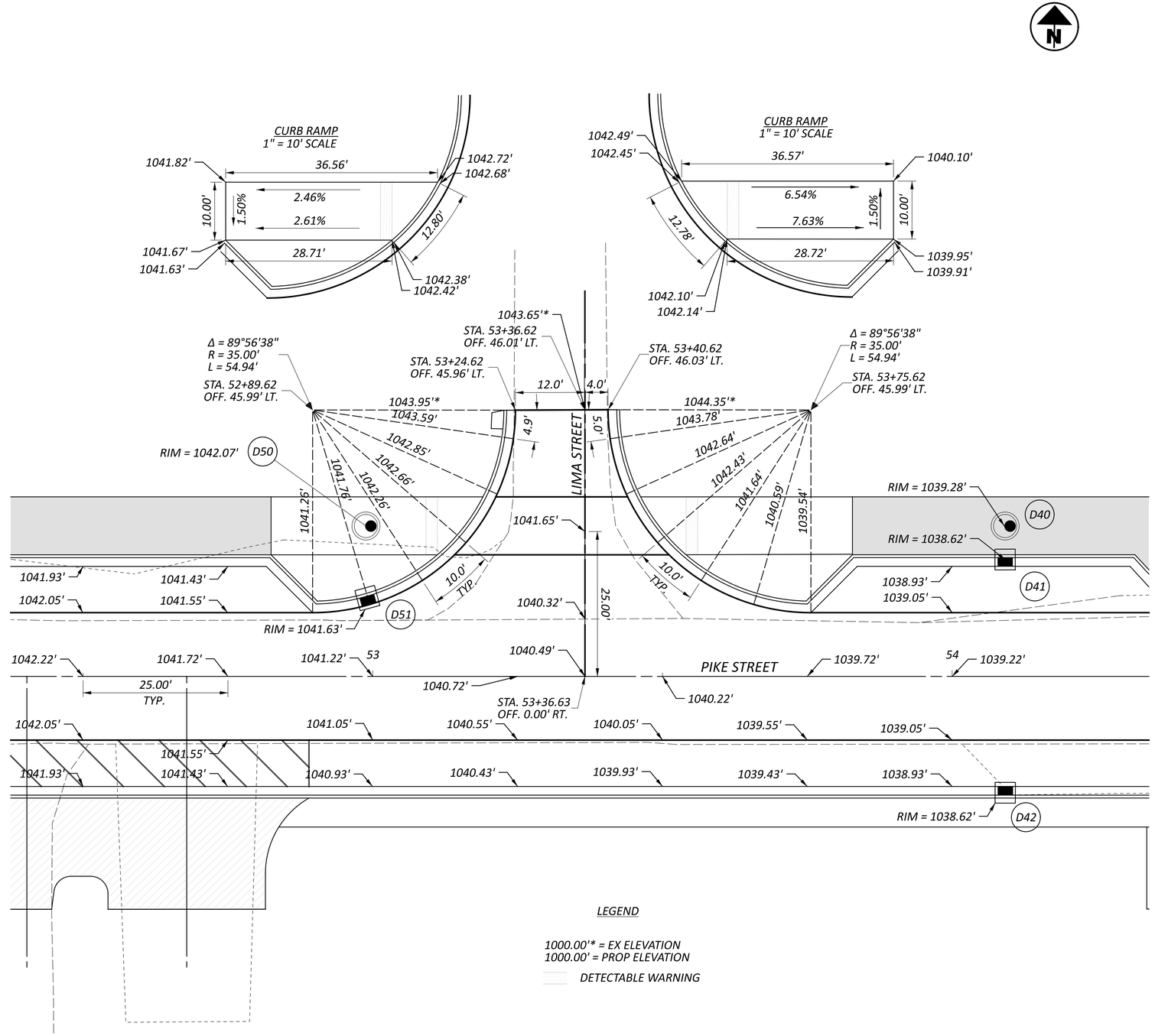
REVIEWER
SRH 05/16/25

PROJECT ID
119487

SHEET P.70 | TOTAL P.108

LIC-TR1135-0.58

MODEL: 119487_GI106 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:37 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_GI106.dgn



HORIZONTAL
SCALE IN FEET
0 10 20

INTERSECTION DETAILS
PIKE STREET

LIC-TR1135-0.58

MODEL: 119487_GI107 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:39 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_GI107.dgn

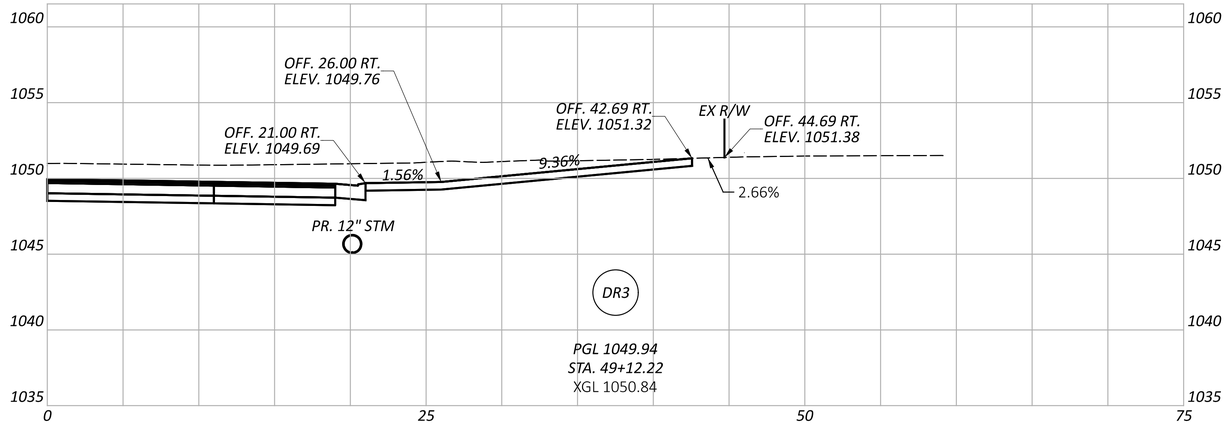
DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.441.4455
FAX: 614.360.0023

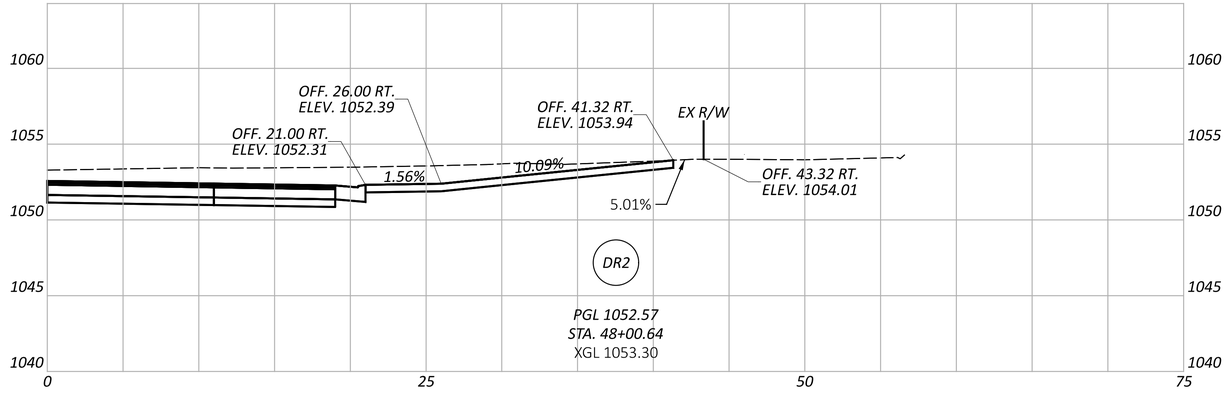
DESIGNER
MRO

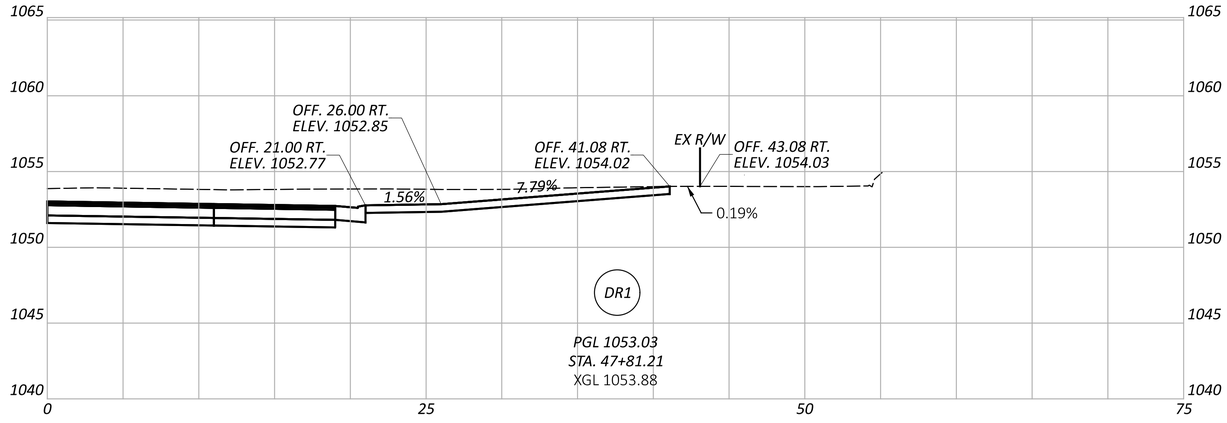
REVIEWER
SRH 05/16/25

PROJECT ID
119487

SHEET P.71 TOTAL P.108







DRIVEWAY PROFILES
PIKE STREET

Sheet Totals		
Seeding	Cut	Fill

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL 614.360.4545
FAX 614.360.0023

DESIGNER
MRO

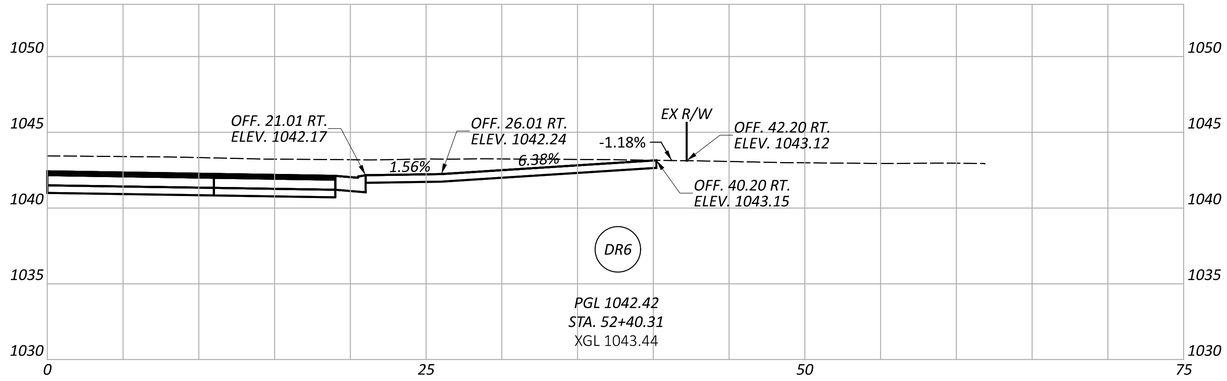
REVIEWER
SRH 05/16/25

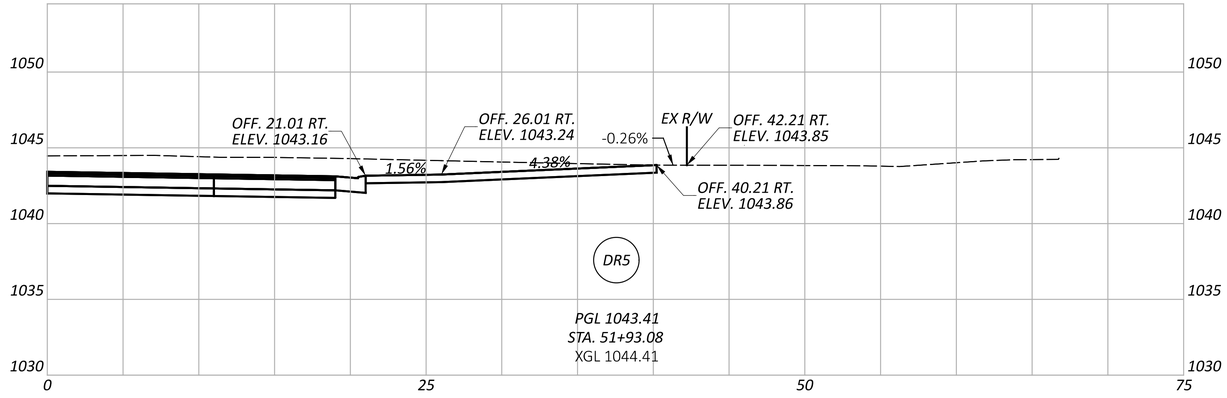
PROJECT ID
119487

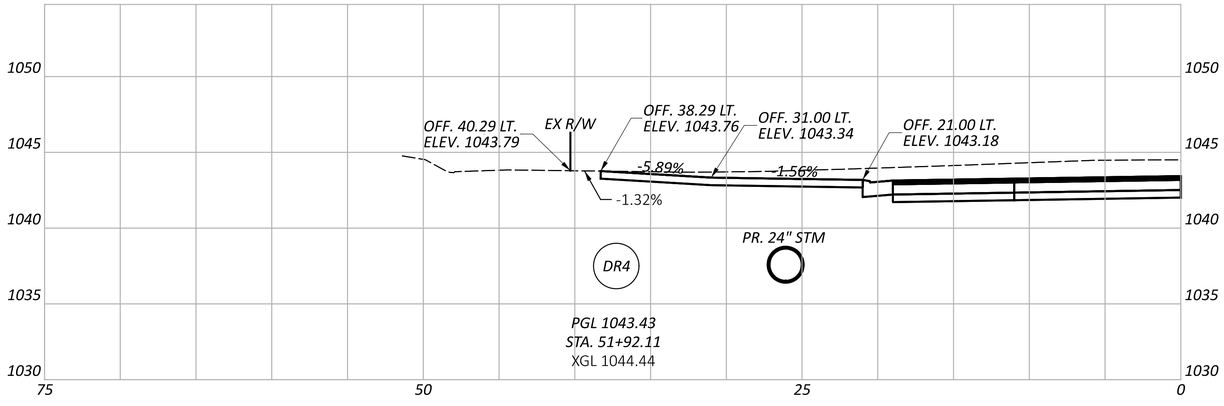
SHEET P.72 | TOTAL P.108

LIC-TR1135-0.58

MODEL: DR 1 to DR 3 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:42 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS004.dgn







DRIVEWAY PROFILES
PIKE STREET

LIC-TR1135-0.58

MODEL: DR 4 to DR 6 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:44 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS004.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL 614.460.4600
FAX 614.360.0023

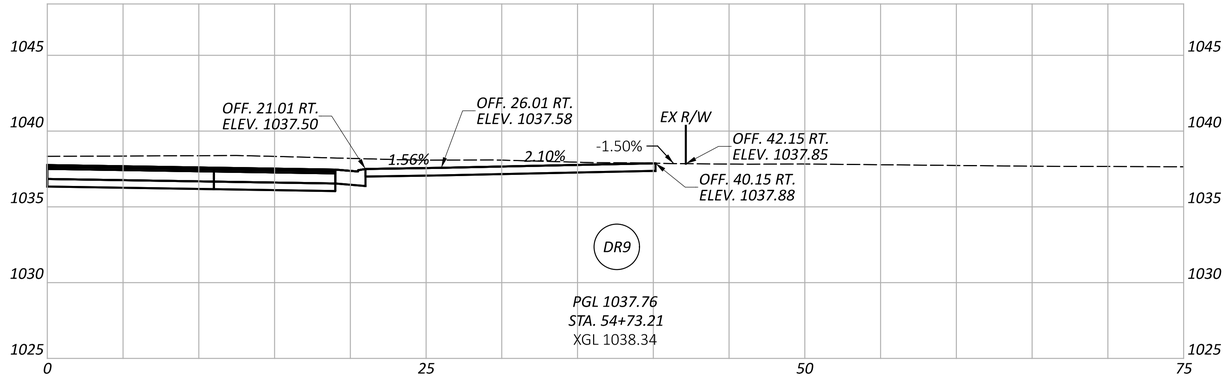
DESIGNER
MRO

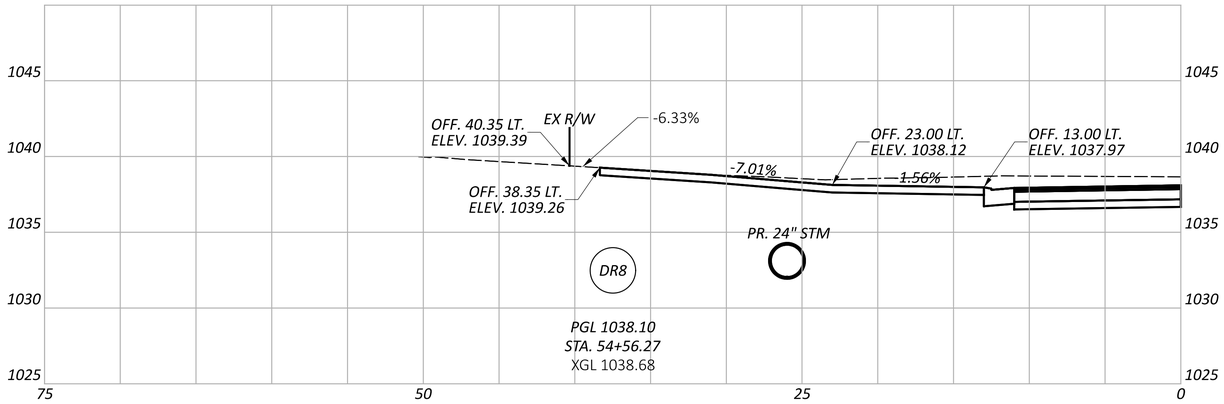
REVIEWER
SRH 05/16/25

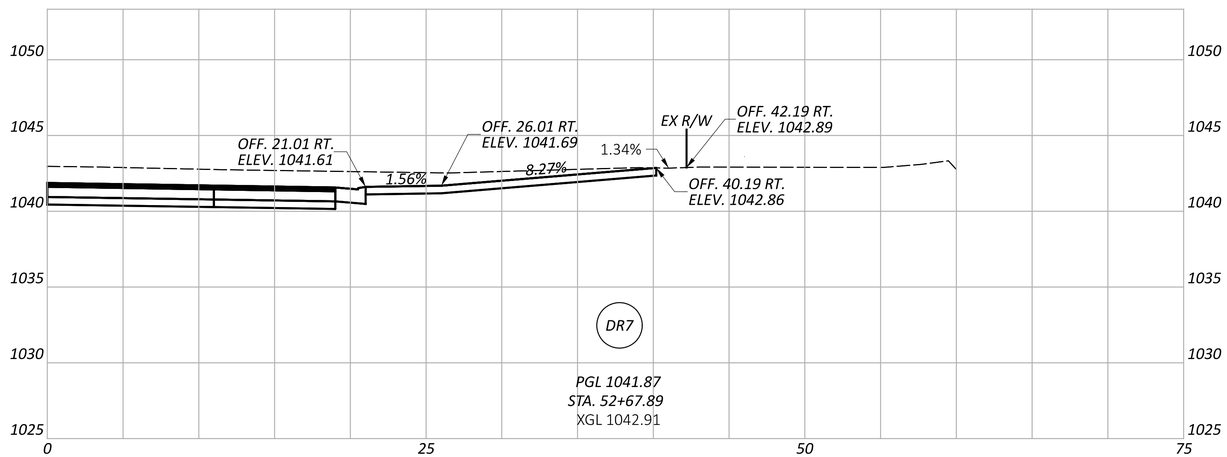
PROJECT ID
119487

Sheet Totals		
Seeding	Cut	Fill

SHEET	TOTAL
P.73	P.108







DRIVEWAY PROFILES
PIKE STREET

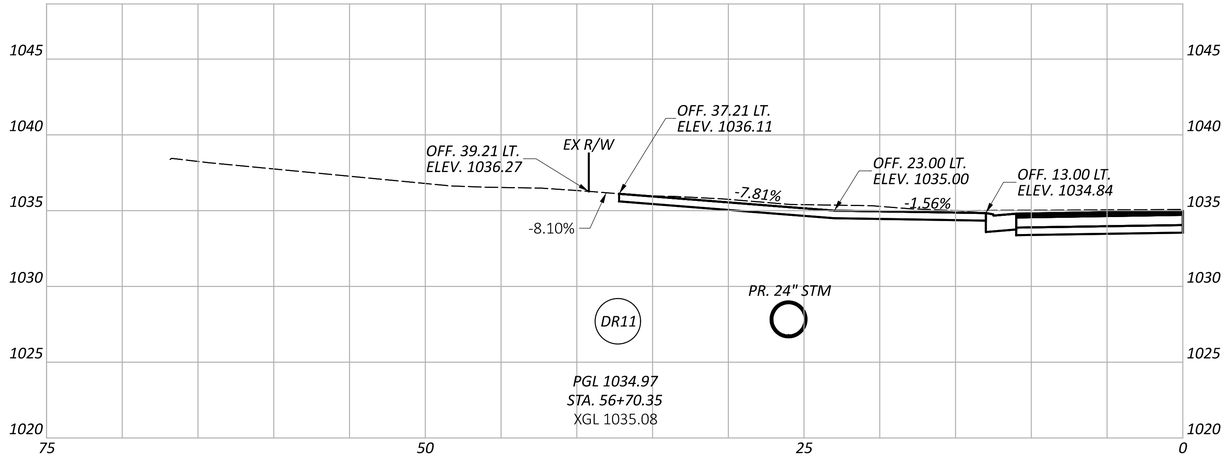
LIC-TR1135-0.58

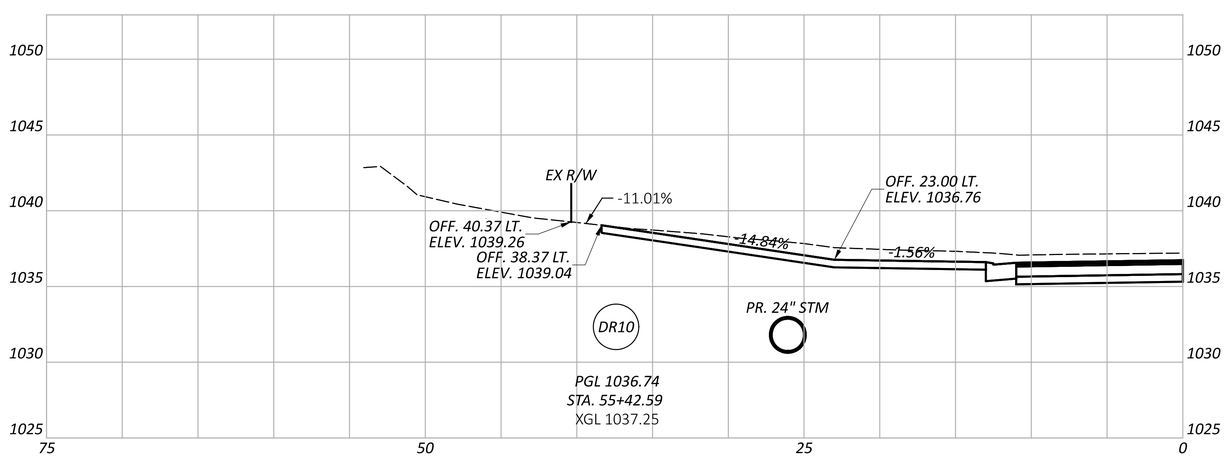
MODEL: DR 7 to DR 9 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:45 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS004.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL 614.360.4455
FAX 614.360.0023

DESIGNER
MRO
REVIEWER
SRH 05/16/25
PROJECT ID
119487
SHEET P.74 TOTAL P.108

Sheet Totals		
Seeding	Cut	Fill





DRIVEWAY PROFILES
PIKE STREET

LIC-TR1135-0.58

MODEL: DR 10 to DR 11 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:47 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS004.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL 740.344.4455
FAX 614.360.0023

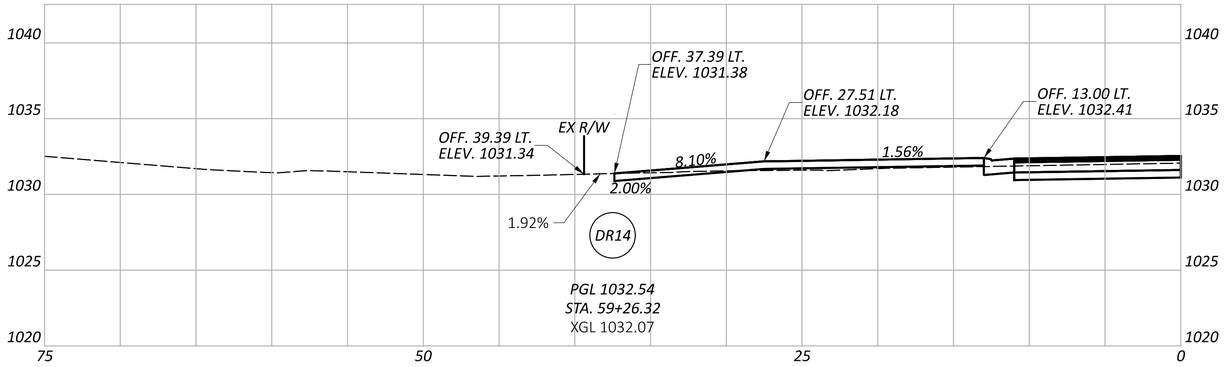
DESIGNER
MRO

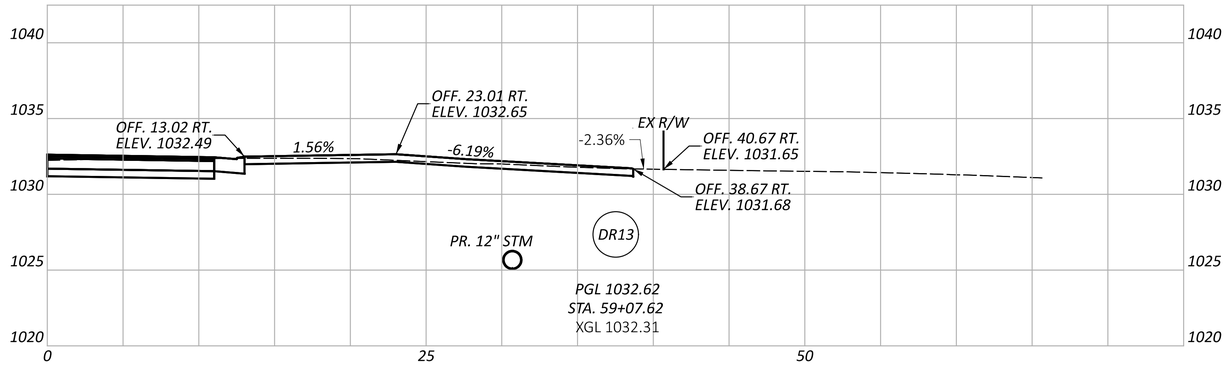
REVIEWER
SRH 05/16/25

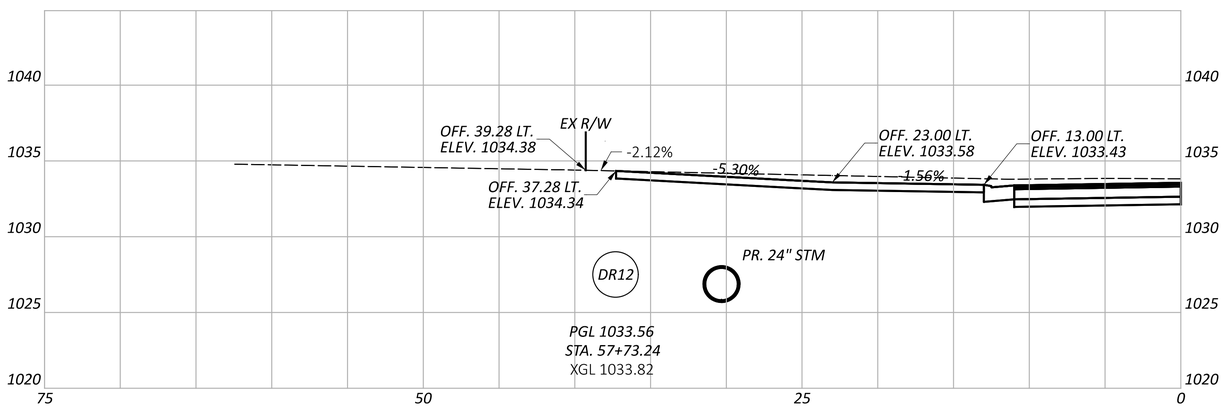
PROJECT ID
119487

Sheet Totals		
Seeding	Cut	Fill

SHEET P.75 TOTAL P.108







DRIVEWAY PROFILES
PIKE STREET

LIC-TR1135-0.58

MODEL: DR 12 to DR 14 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:48 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS004.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 740.344.5451
FAX: 614.360.0023

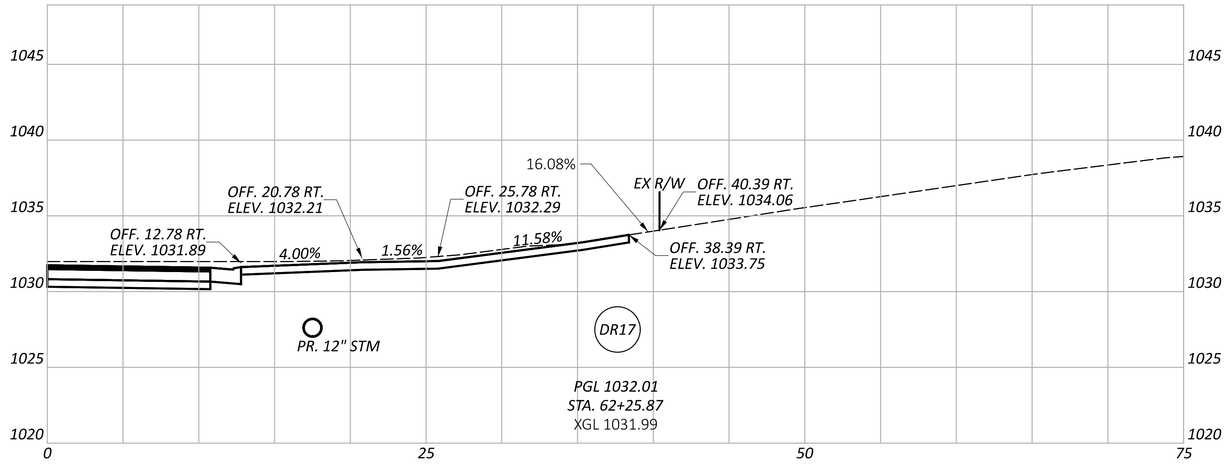
DESIGNER
MRO

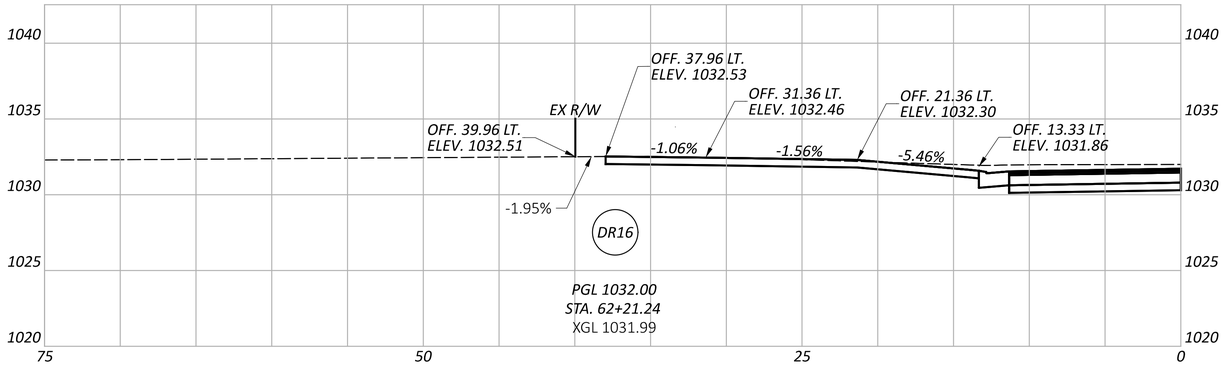
REVIEWER
SRH 05/16/25

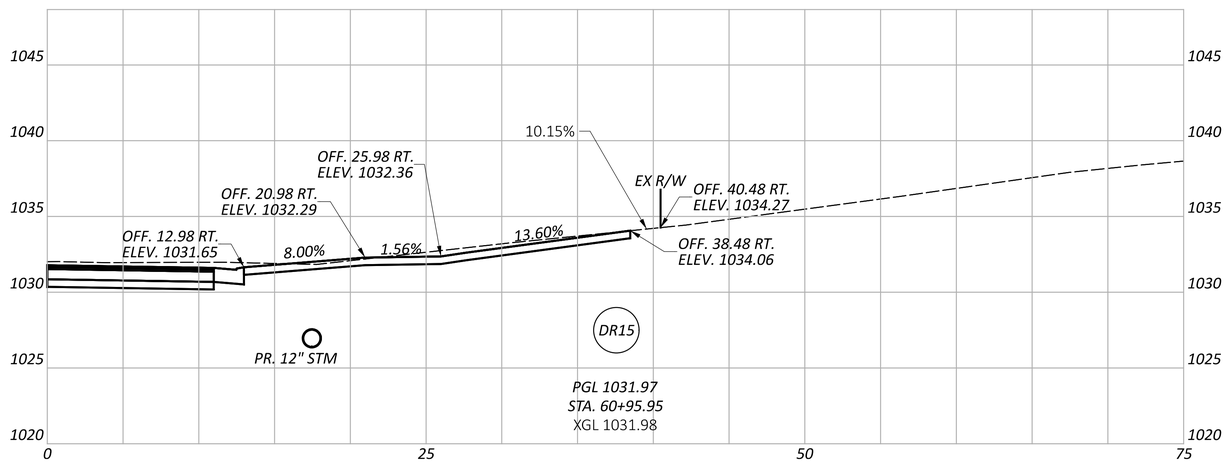
PROJECT ID
119487

Sheet Totals		
Seeding	Cut	Fill

SHEET	TOTAL
P.76	P.108







DRIVEWAY PROFILES
PIKE STREET

LIC-TR1135-0.58

MODEL: DR 15 to DR 17 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:50 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_XS004.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
PH 614.360.6023
FAX 614.360.0023

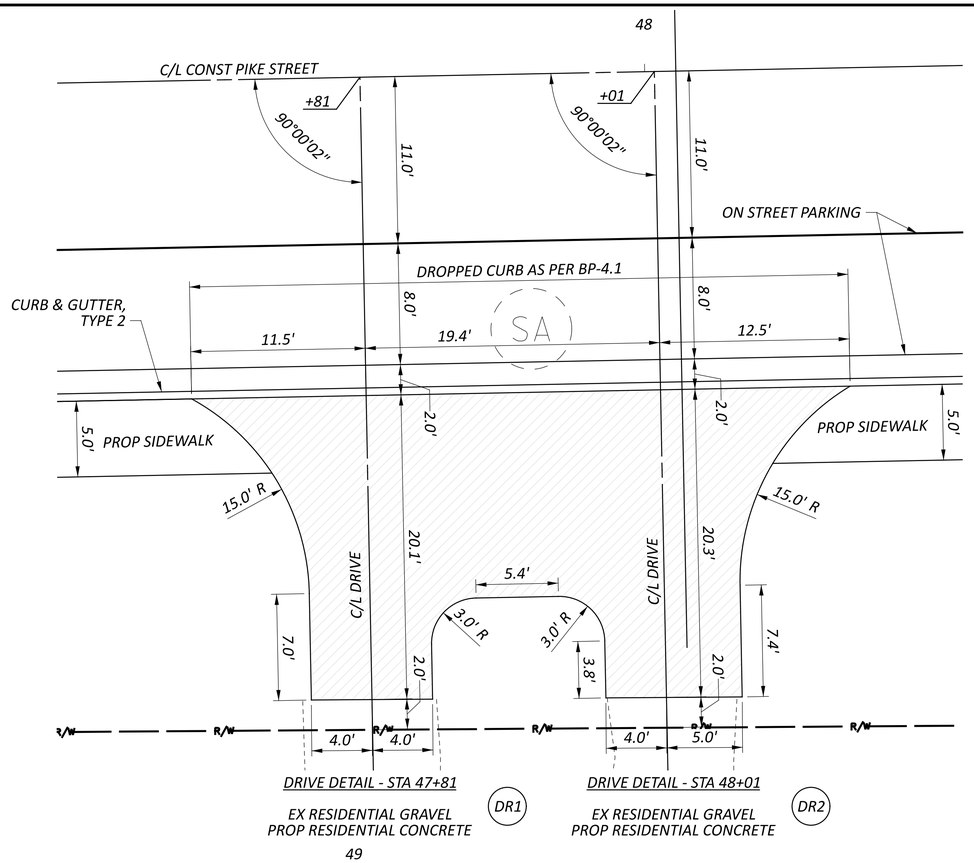
DESIGNER
MRO

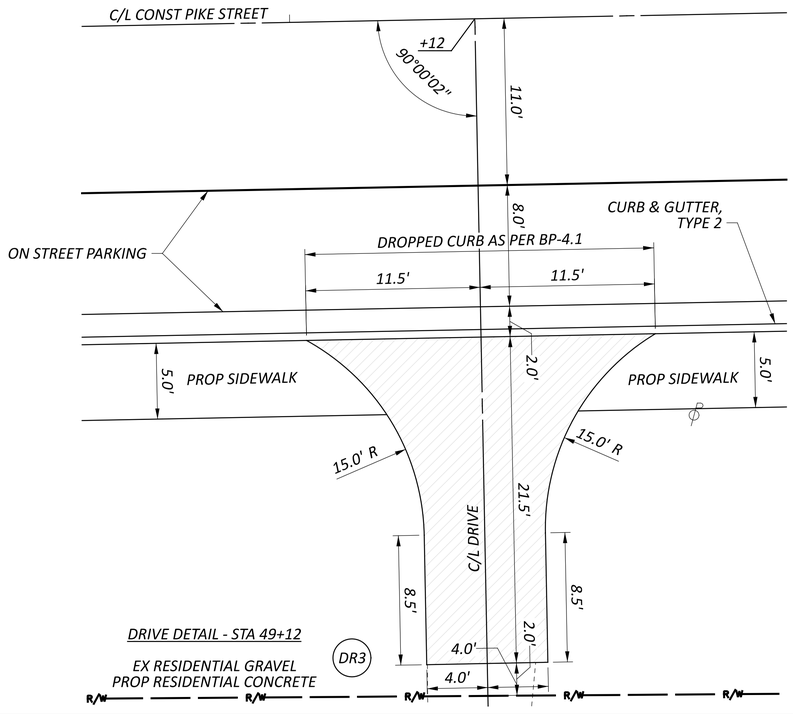
REVIEWER
SRH 05/16/25

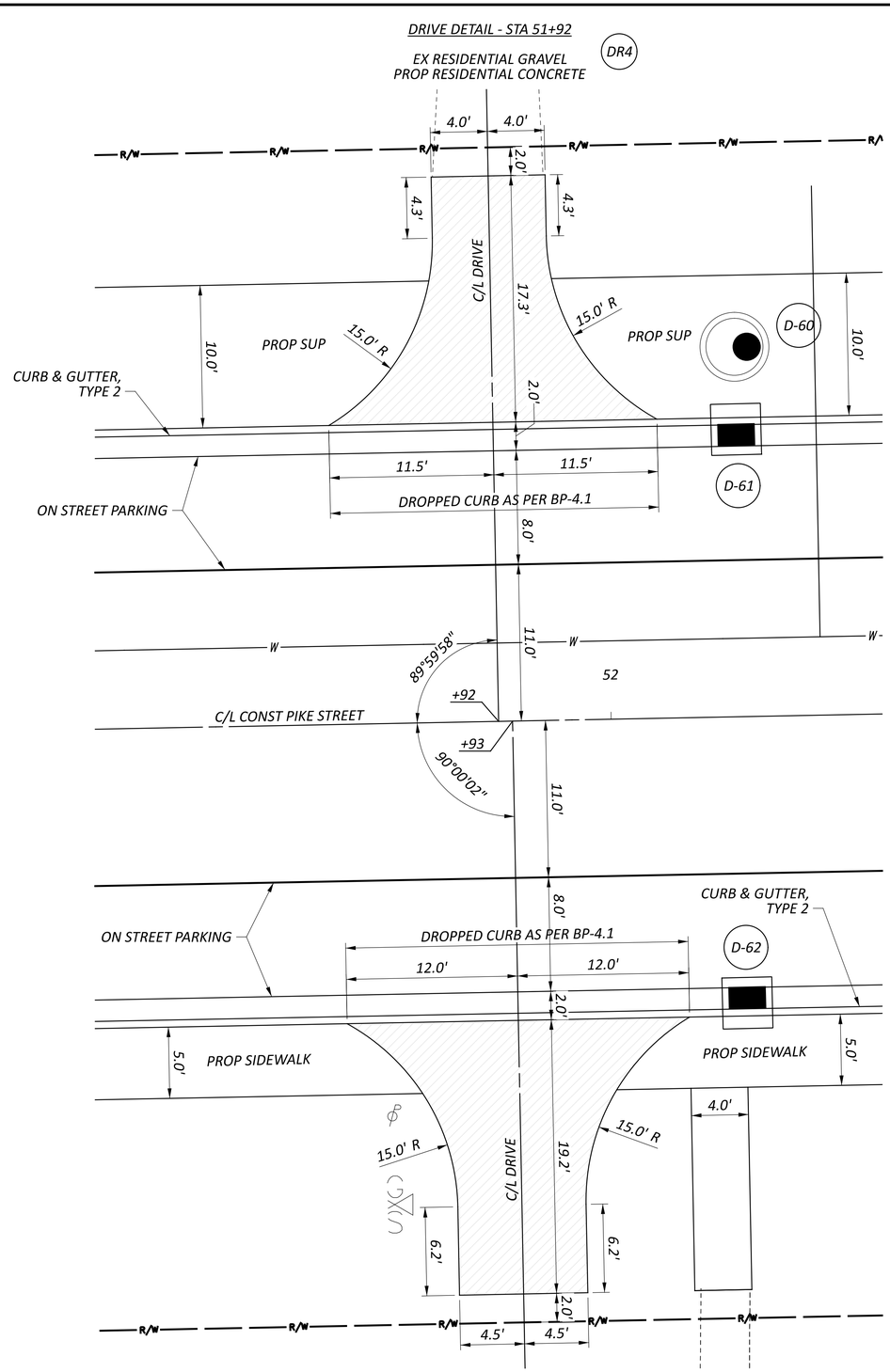
PROJECT ID
119487

Sheet Totals		
Seeding	Cut	Fill

SHEET P.77 TOTAL P.108







NOTES:

SEE ODOT STANDARD DRAWING BP-4.1 FOR DRIVE DETAILS AND DROP CURB AT DRIVEWAYS DETAIL.

SEE SHEET P.77 FOR DRIVE DETAILS AND NOTES

HORIZONTAL SCALE IN FEET
0 5 10

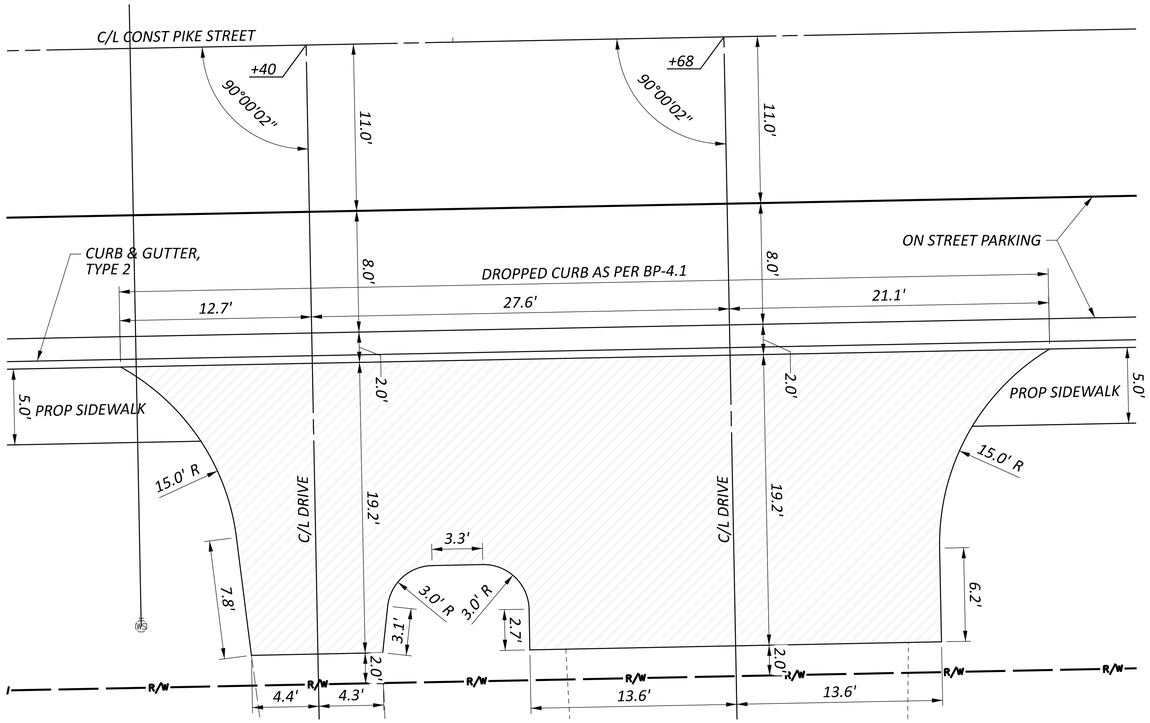
DRIVEWAY DETAILS

DESIGN AGENCY
verdantas
155 WEST MAIN STREET
NEWARK, OH 43055
PH: 614.340.0023
FAX: 614.340.0023

DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET P.78 TOTAL P.108

LIC-TR1135-0.58

MODEL: Sheet_Survft PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:52 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_GD008.dgn



DRIVE DETAIL - STA 52+40

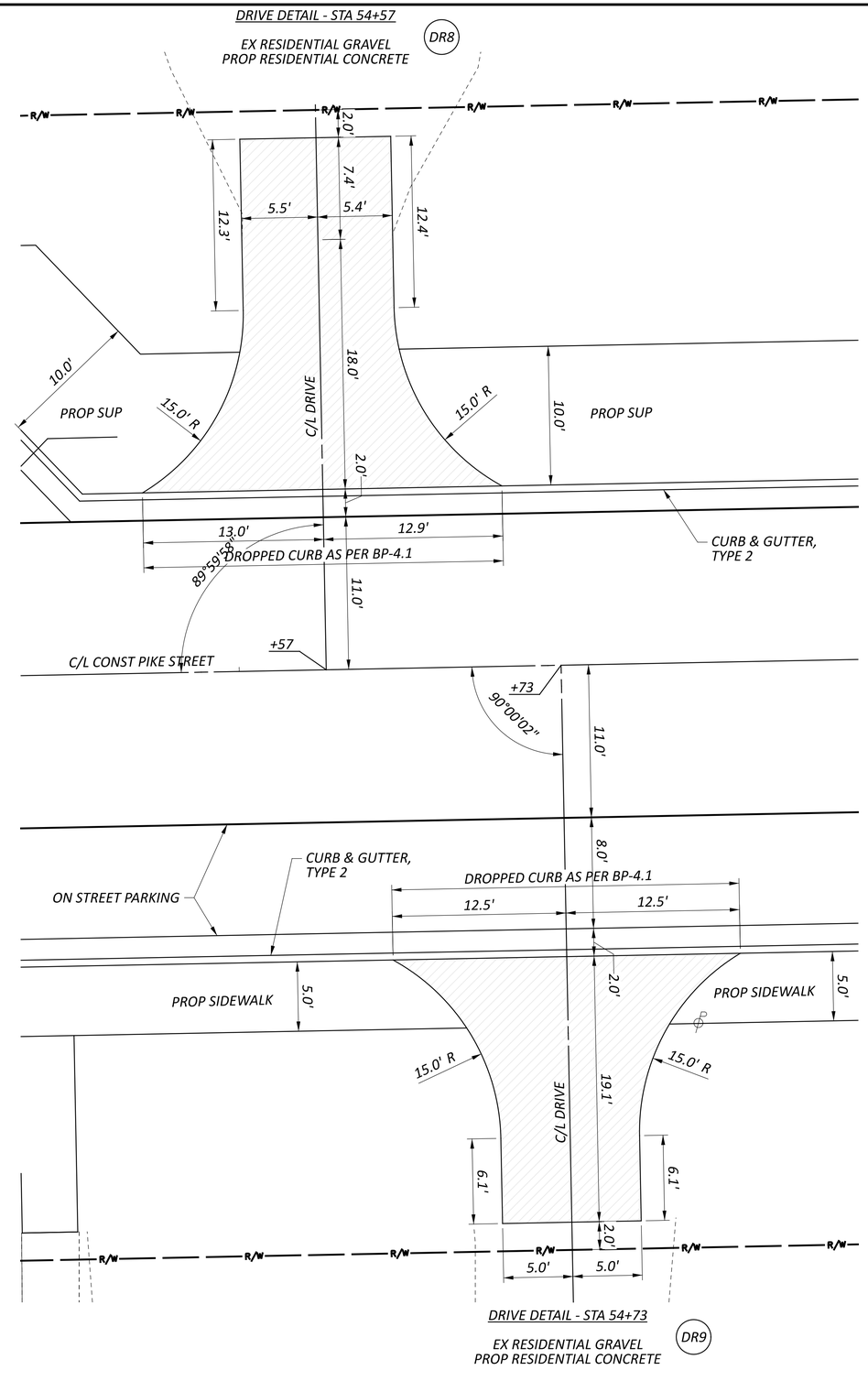
EX RESIDENTIAL ASPHALT
PROP RESIDENTIAL CONCRETE

DR6

DRIVE DETAIL - STA 52+68

EX RESIDENTIAL GRAVEL
PROP RESIDENTIAL CONCRETE

DR7



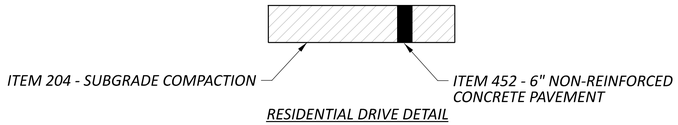
DRIVE DETAIL - STA 54+73

EX RESIDENTIAL GRAVEL
PROP RESIDENTIAL CONCRETE

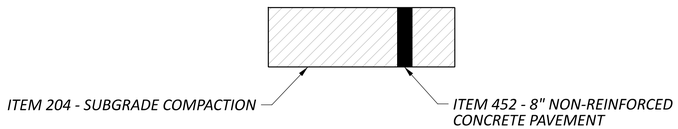
DR9

NOTES:

SEE ODOT STANDARD DRAWING BP-4.1 FOR DRIVE DETAILS AND DROP CURB AT DRIVEWAYS DETAIL.



RESIDENTIAL DRIVE DETAIL



COMMERCIAL DRIVE DETAIL

HORIZONTAL SCALE IN FEET
0 5 10

DRIVEWAY DETAILS

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL 614.345.2021
FAX 614.345.0059

DESIGNER MRO

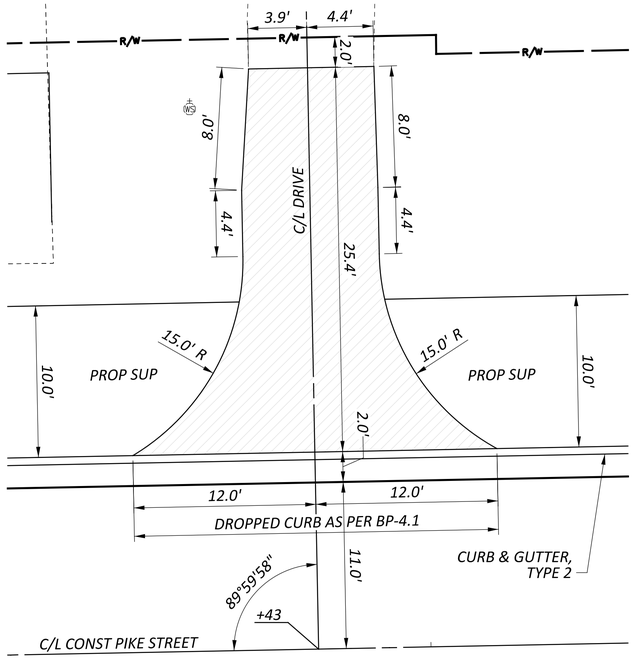
REVIEWER SRH 05/16/25

PROJECT ID 119487

SHEET P.79 TOTAL P.108

LIC-TR1135-0.58

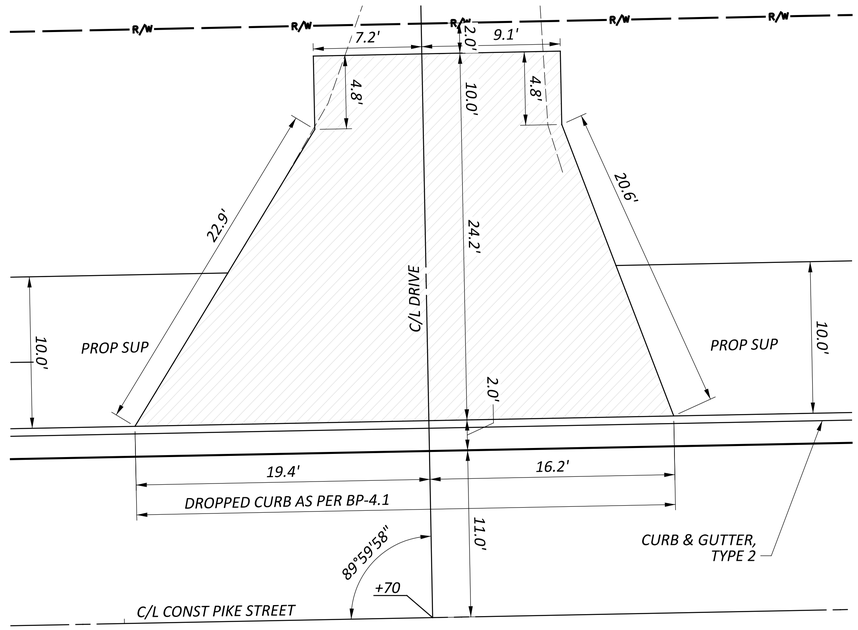
MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:54 AM USER: morr
F:\Clients\Active\LCTLCT002\119487\400-Engineering\Roadway\Sheets\119487_GD009.dgn



DRIVE DETAIL - STA 55+43

EX RESIDENTIAL GRAVEL
PROP RESIDENTIAL CONCRETE

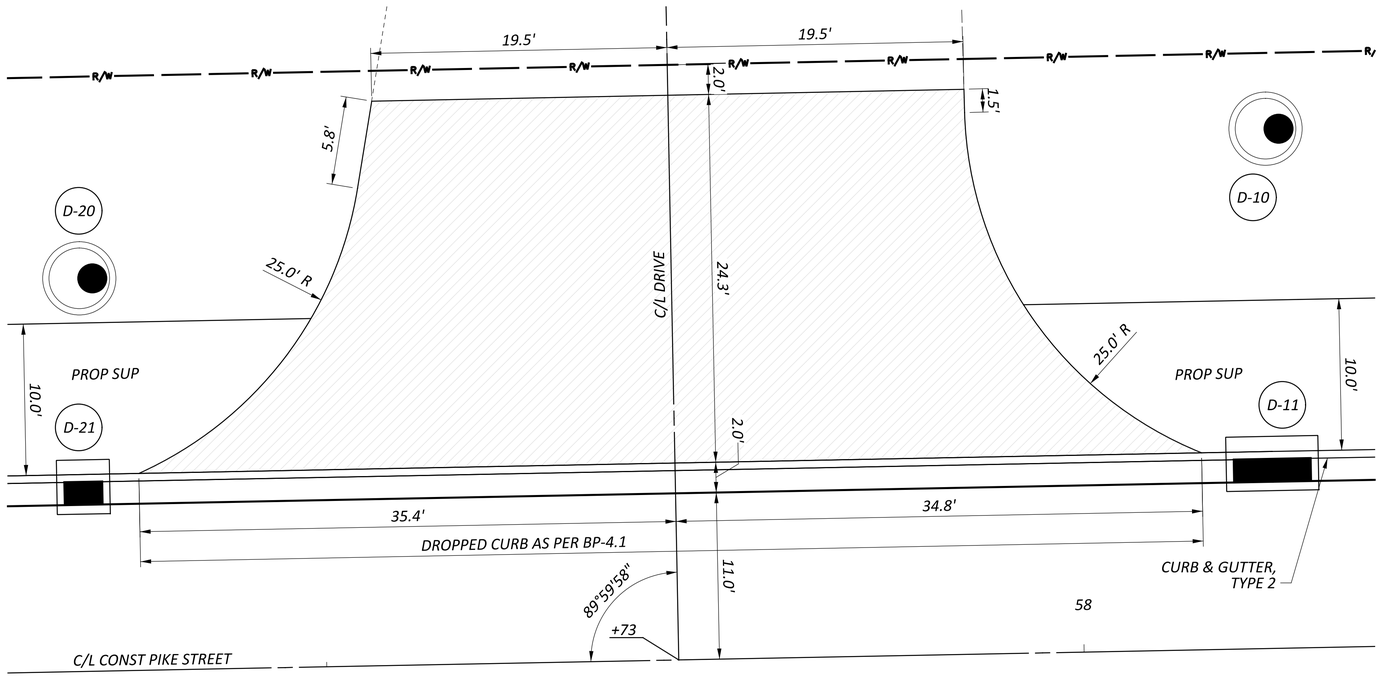
DR10



DRIVE DETAIL - STA 56+70

EX RESIDENTIAL ASPHALT
PROP RESIDENTIAL CONCRETE

DR11



DRIVE DETAIL - STA 57+73

EX RESIDENTIAL GRAVEL
PROP RESIDENTIAL CONCRETE

DR12

NOTES:

SEE ODOT STANDARD DRAWING BP-4.1 FOR DRIVE DETAILS AND DROP CURB AT DRIVEWAYS DETAIL.

SEE SHEET P.77 FOR DRIVE DETAILS AND NOTES

HORIZONTAL SCALE IN FEET
0 5 10

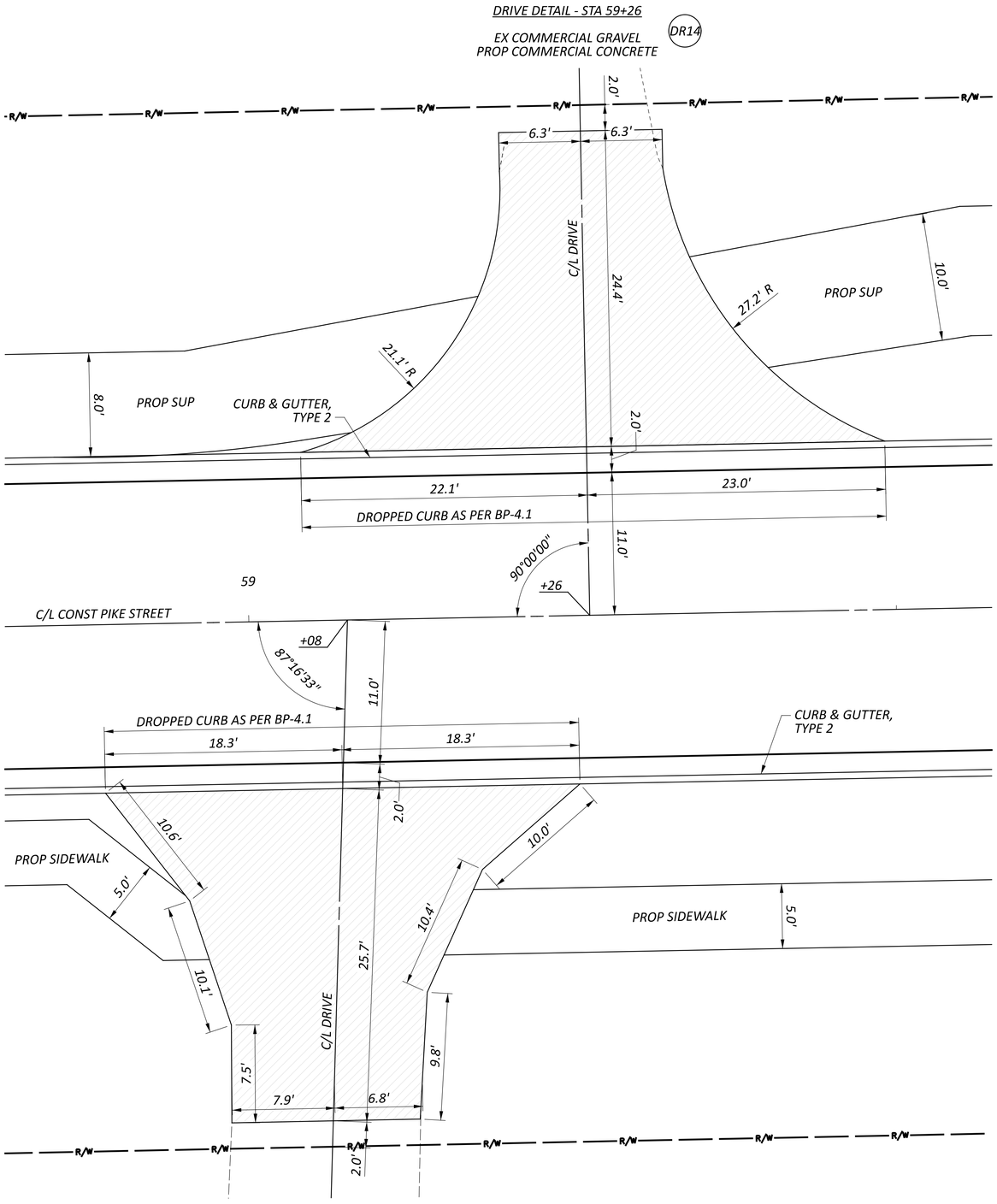
DRIVEWAY DETAILS

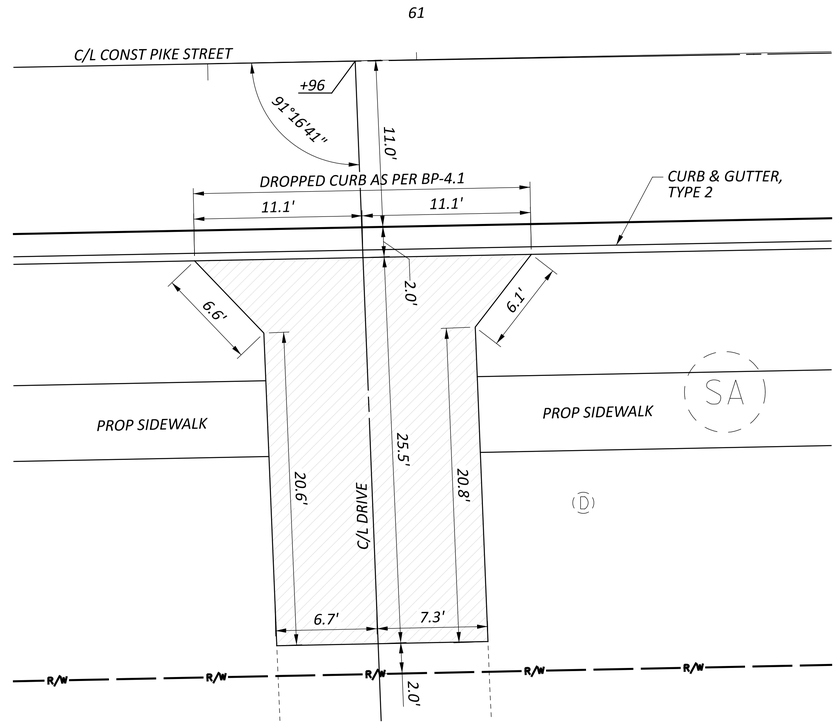
DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
PH. 740.345.4551
FAX. 614.360.0059

DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET P.80 TOTAL P.108

LIC-TR1135-0.58

MODEL: Sheet_Survft PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:55 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_GD010.dgn





NOTES:

SEE ODOT STANDARD DRAWING BP-4.1 FOR DRIVE DETAILS AND DROP CURB AT DRIVEWAYS DETAIL.

SEE SHEET P.77 FOR DRIVE DETAILS AND NOTES

HORIZONTAL SCALE IN FEET
0 5 10

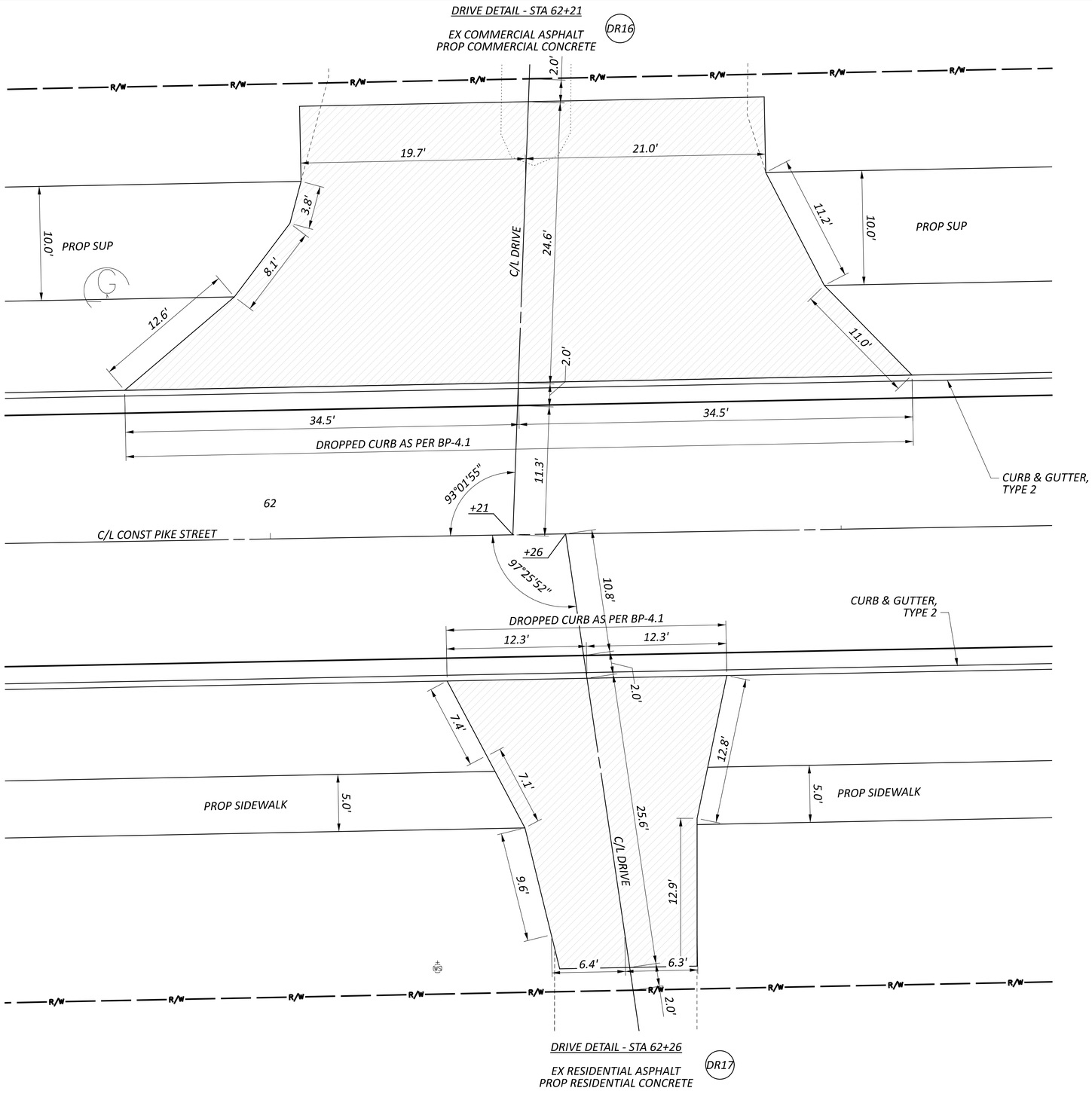
DRIVEWAY DETAILS

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
PH: 740.344.1551
FAX: 614.360.0033

DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET P.81 TOTAL P.108

LIC-TR1135-0.58

MODEL: Sheet_Surv ft PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:56 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_GD011.dgn



NOTES:

SEE ODOT STANDARD DRAWING BP-4.1 FOR DRIVE DETAILS AND DROP CURB AT DRIVEWAYS DETAIL.

SEE SHEET P.77 FOR DRIVE DETAILS AND NOTES

HORIZONTAL SCALE IN FEET
0 5 10

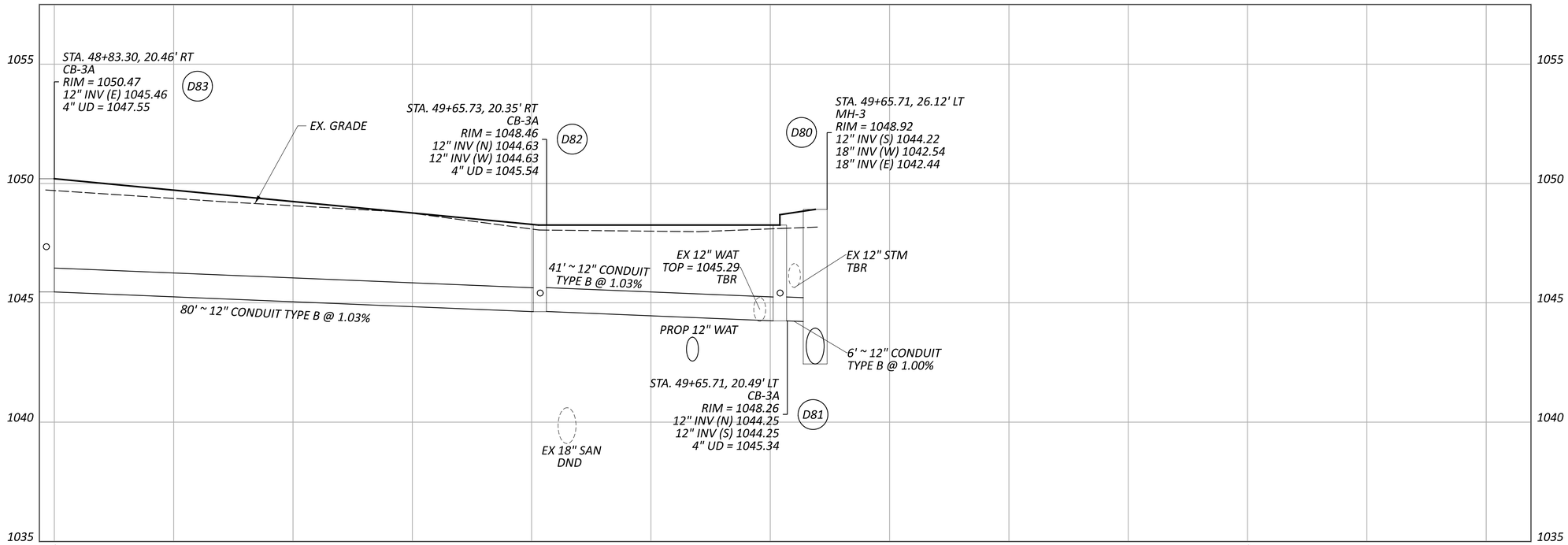
DRIVEWAY DETAILS

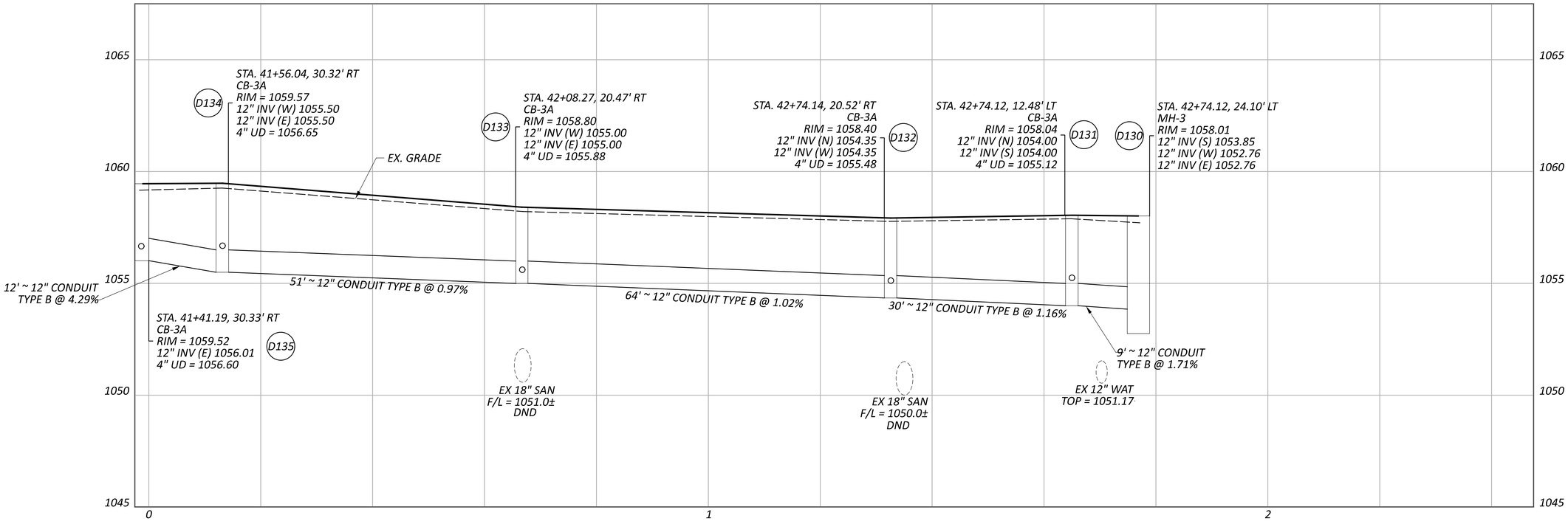
DESIGN AGENCY
verdantas
555 WEST MAIN STREET
NEWARK, OH 43055
PH. 614.847.4747
FAX. FAX 2003 2023

DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET P.82 TOTAL P.108

LIC-TR1135-0.58

MODEL: Sheet_SurvRt PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:15:57 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_GD012.dgn





STORM SEWER PROFILES
PIKE STREET

LIC-TR1135-0.58

MODEL: D-83 to D-81 - Profile 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:16:00 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Drainage\Sheets\119487_DF001.dgn

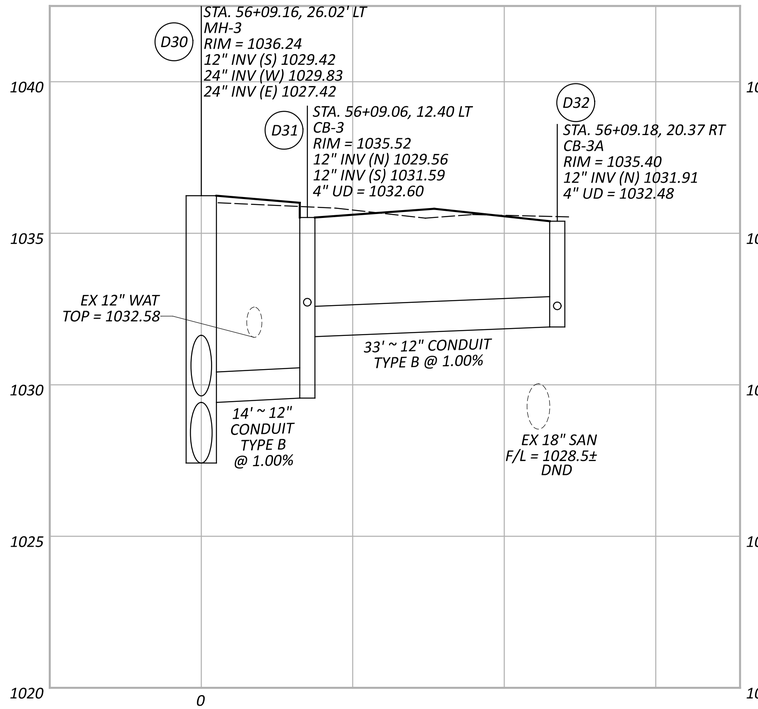
DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
PH. 614.360.0023
FAX 614.360.0023

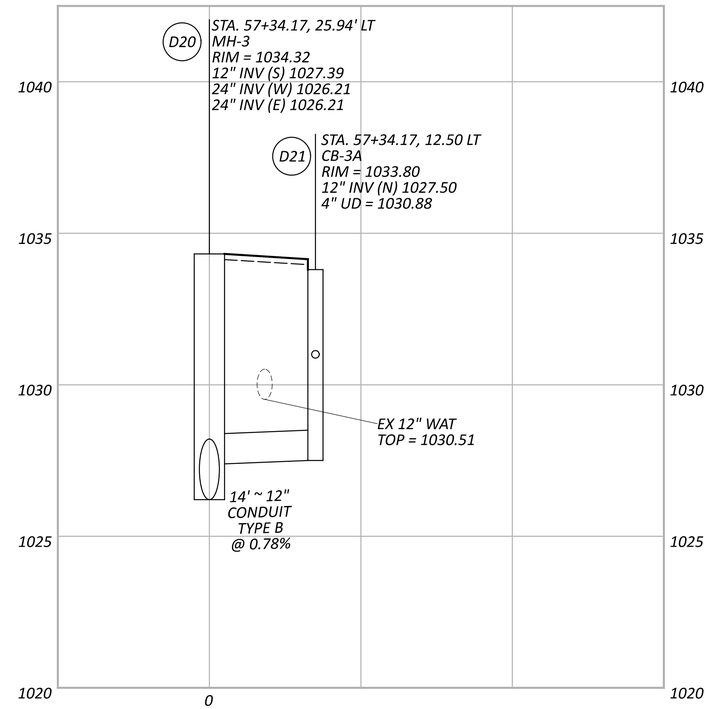
DESIGNER
MRO

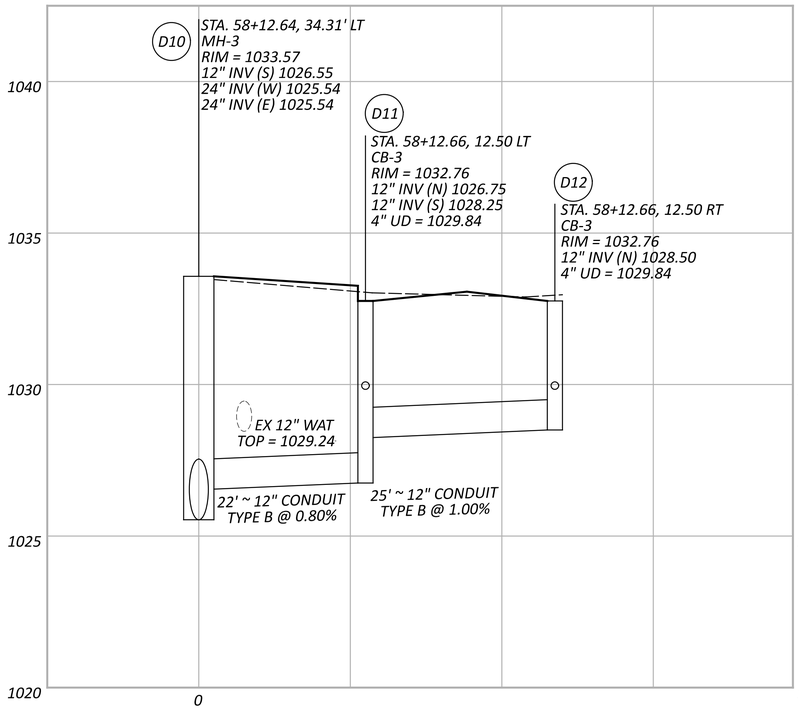
REVIEWER
SRH 05/16/25

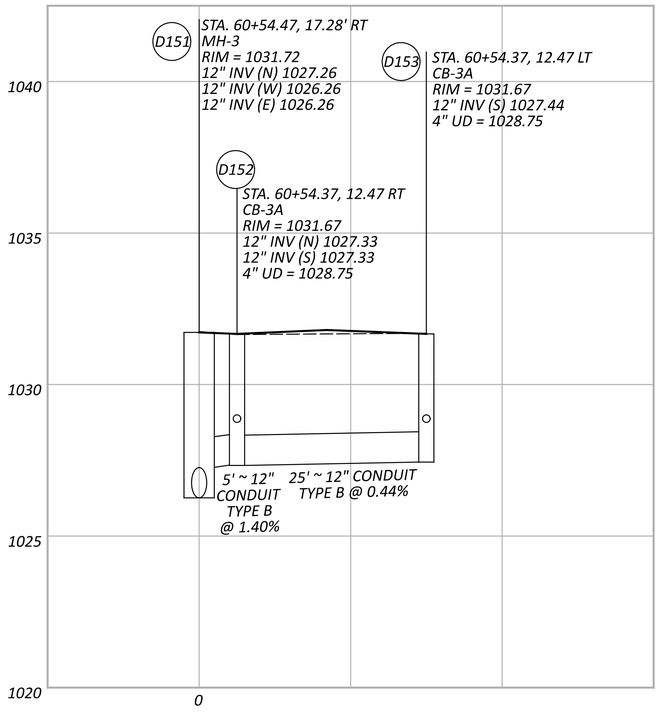
PROJECT ID
119487

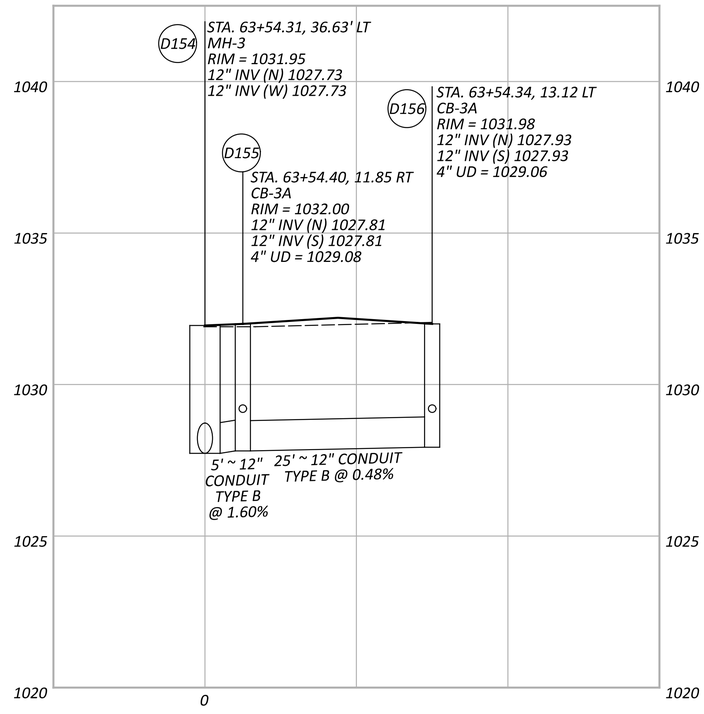
SHEET P.83 | TOTAL P.108











HORIZONTAL
SCALE IN FEET
0 5 10

STORM SEWER PROFILES
PIKE STREET

DESIGN AGENCY
verdantas
555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 740.344.5451
FAX: 614.580.6050

DESIGNER
MRO

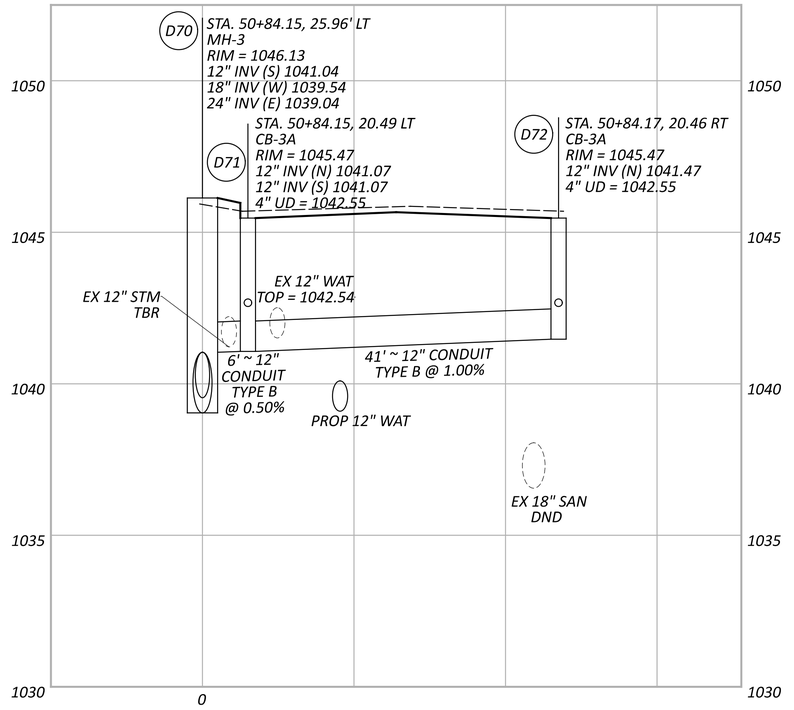
REVIEWER
SRH 05/16/25

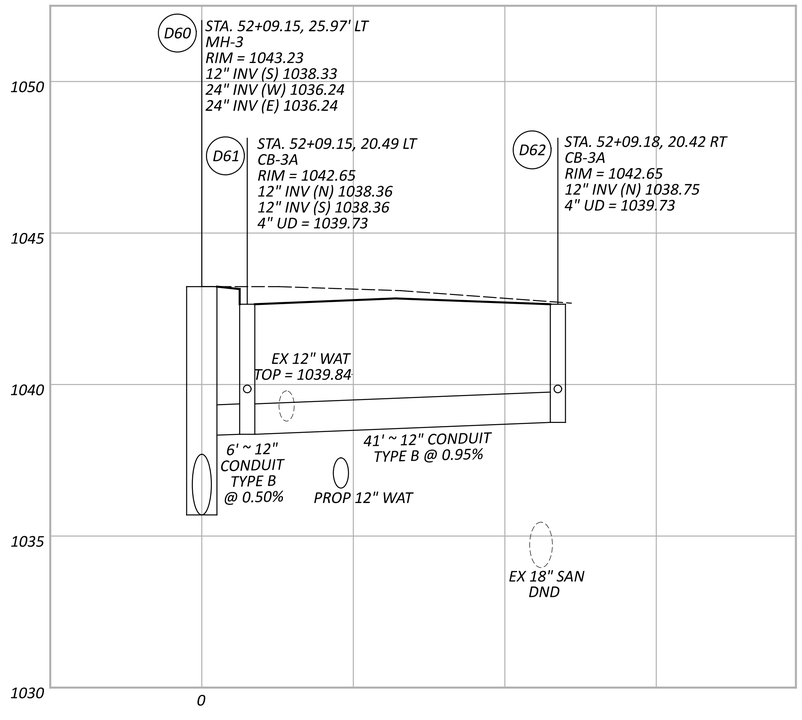
PROJECT ID
119487

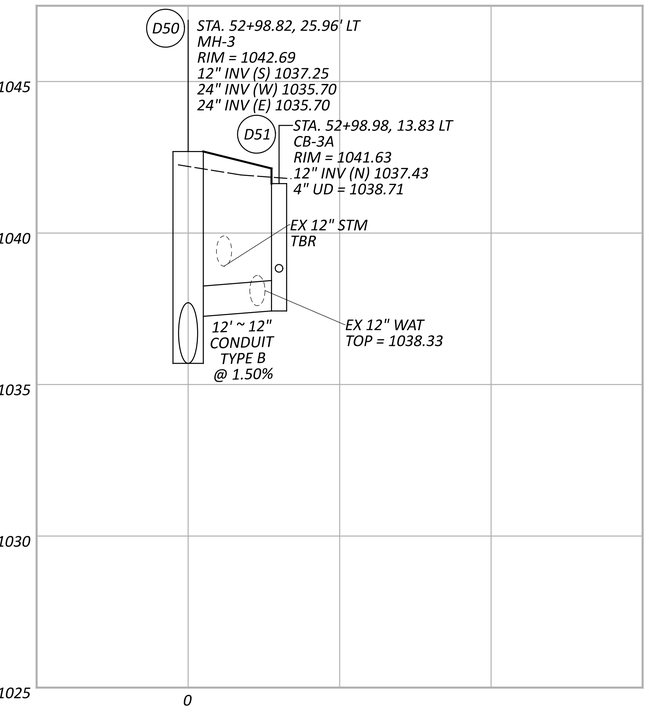
SHEET P.84 | TOTAL P.108

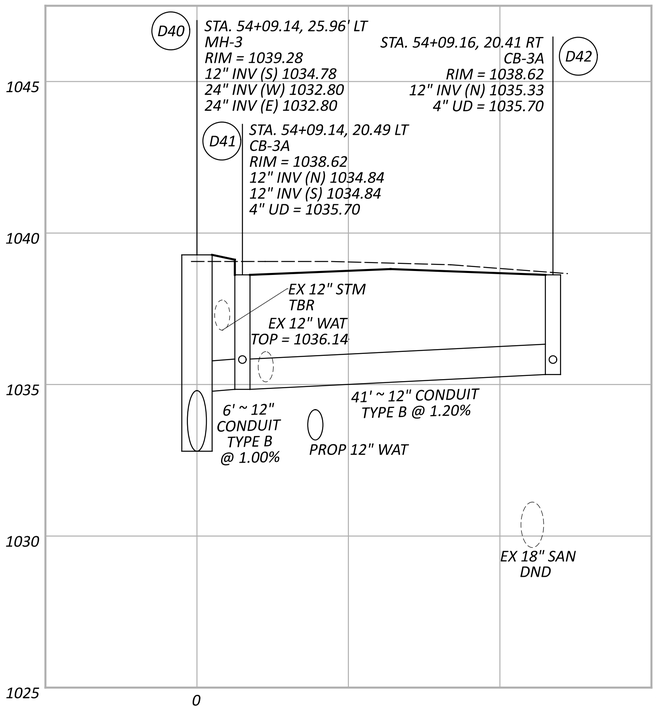
LIC-TR1135-0.58

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:16:02 AM USER: morr
F:\Clients\Active\LICT\LCT002\119487\400-Engineering\Drainage\Sheets\119487_DF002.dgn









HORIZONTAL
SCALE IN FEET
0 5 10

STORM SEWER PROFILES
PIKE STREET

DESIGN AGENCY
verdantas
555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 740.344.6451
FAX: 614.580.6003

DESIGNER
MRO

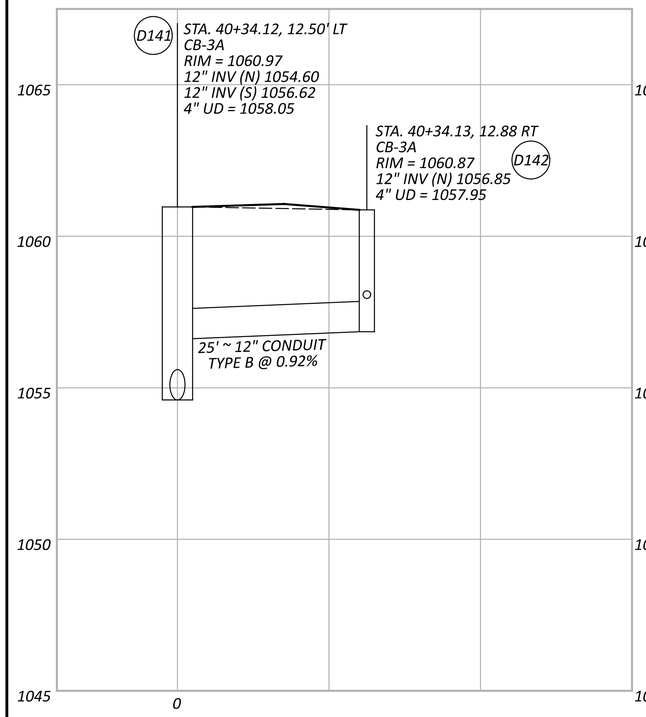
REVIEWER
SRH 05/16/25

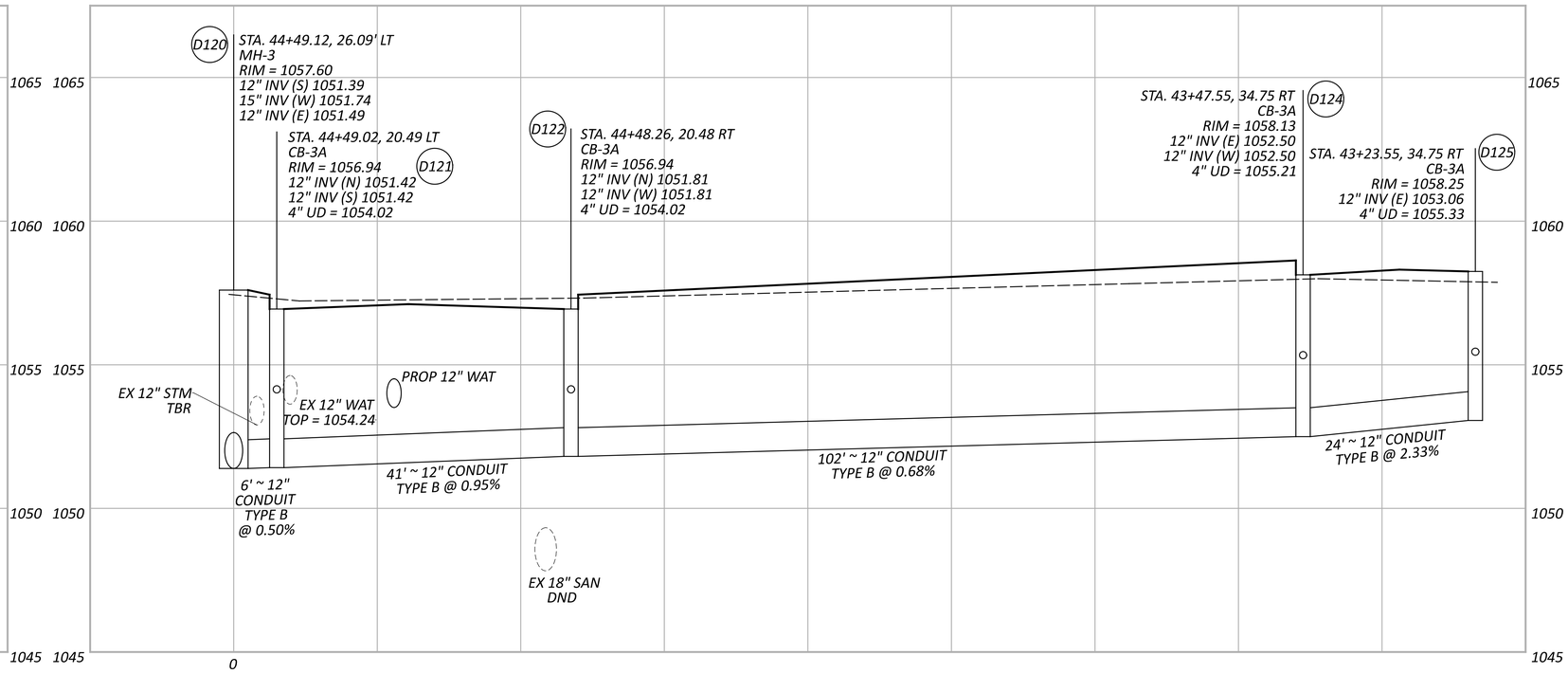
PROJECT ID
119487

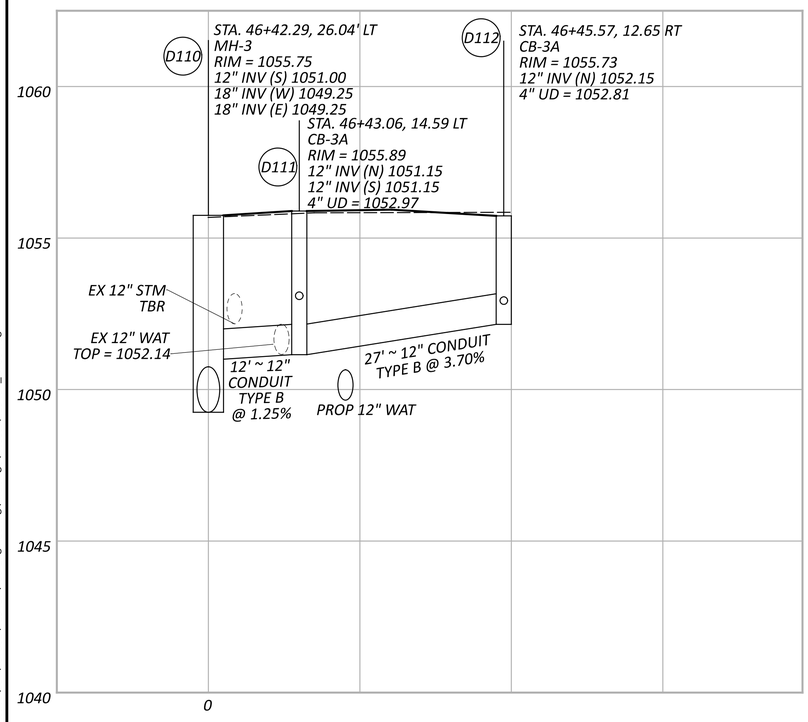
SHEET P.85 TOTAL P.108

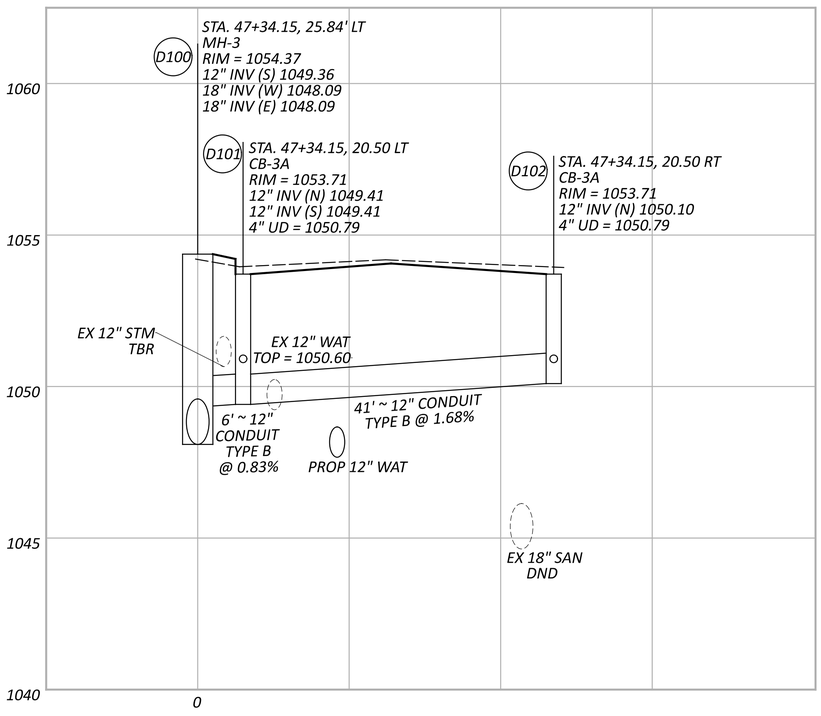
LIC-TR1135-0.58

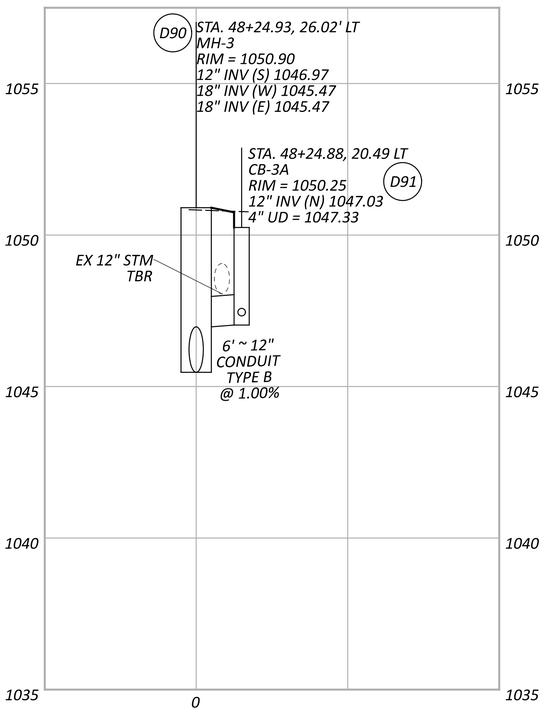
MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:16:03 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Drainage\Sheets\119487_DF003.dgn











HORIZONTAL
SCALE IN FEET
0 5 10

STORM SEWER PROFILES
PIKE STREET

DESIGN AGENCY
verdantas
555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 740.344.6401
FAX: 614.580.6503

DESIGNER
MRO

REVIEWER
SRH 05/16/25

PROJECT ID
119487

SHEET P.86 TOTAL P.108

LIC-TR1135-0.58

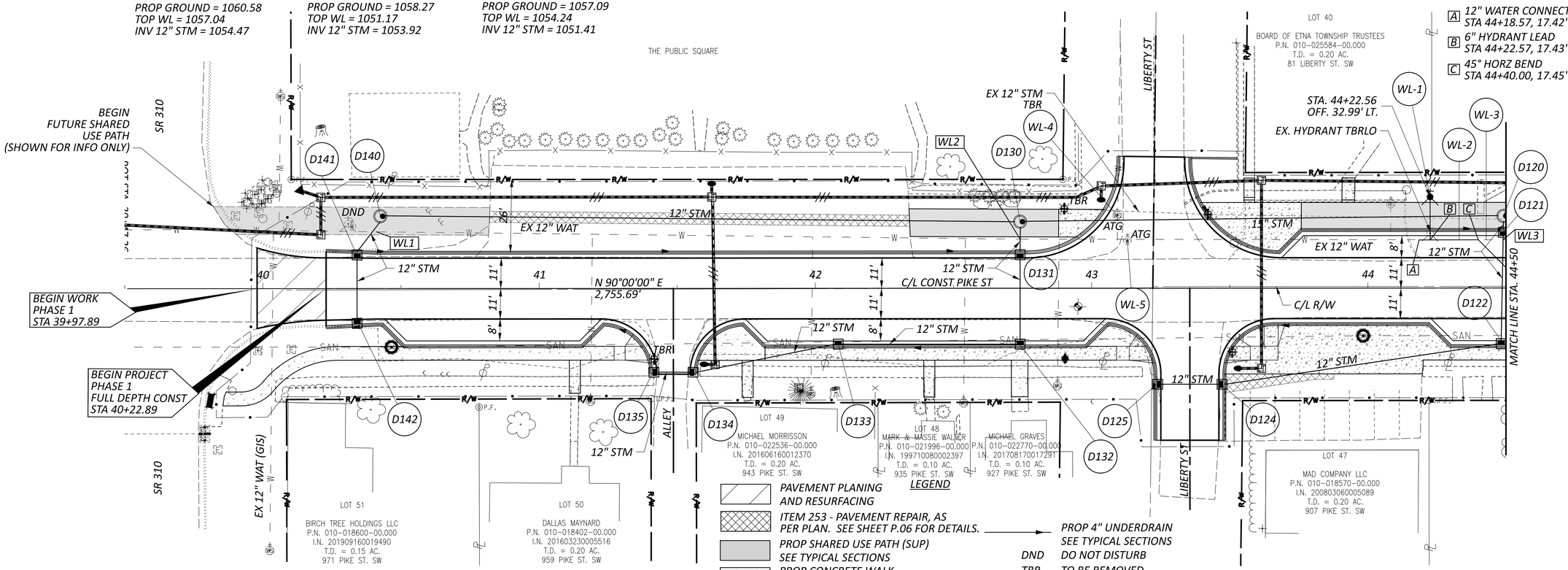
MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:16:04 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Drainage\Sheets\119487_DF004.dgn

WL1 WL POTHOLE
EX GROUND = 1060.58
PROP GROUND = 1060.58
TOP WL = 1057.04
INV 12" STM = 1054.47

WL2 WL POTHOLE
EX GROUND = 1058.27
PROP GROUND = 1058.27
TOP WL = 1051.17
INV 12" STM = 1053.92

WL3 WL POTHOLE
EX GROUND = 1058.10
PROP GROUND = 1057.09
TOP WL = 1054.24
INV 12" STM = 1051.41

CODED NOTES
A 12" WATER CONNECTION STA 44+18.57, 17.42' LT
B 6" HYDRANT LEAD STA 44+22.57, 17.43' LT
C 45° HORZ BEND STA 44+40.00, 17.45' LT

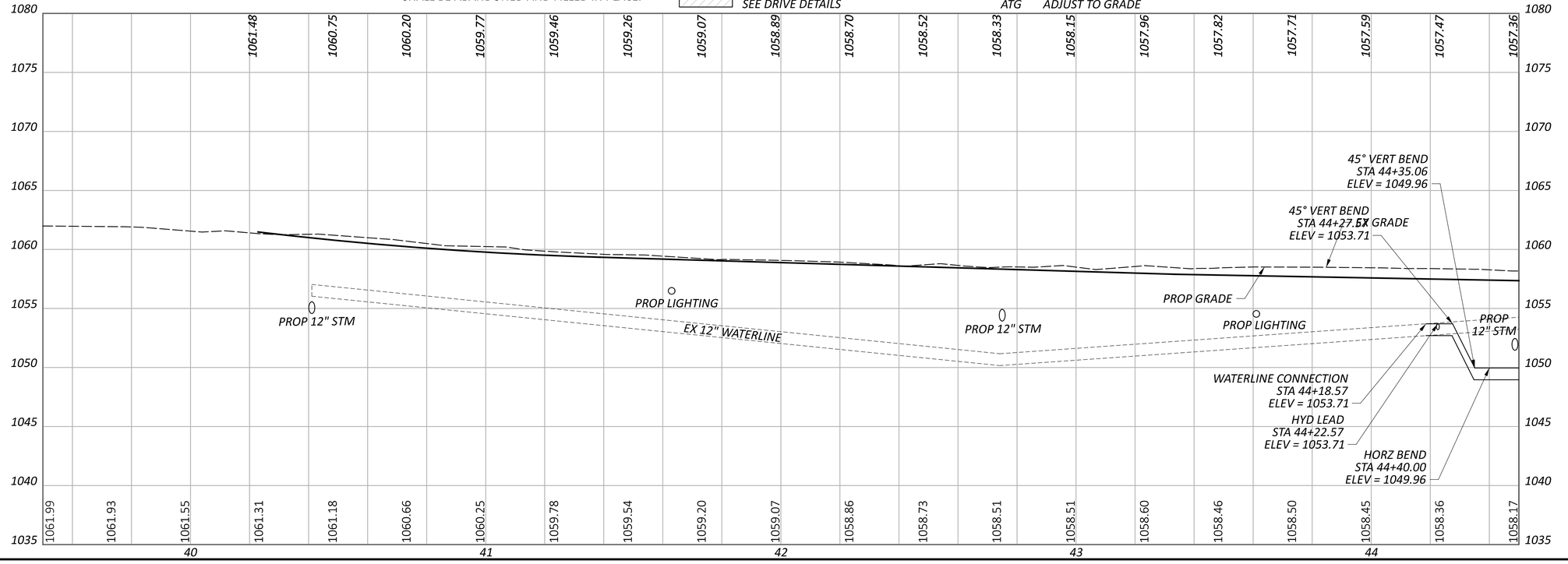


LEGEND

- PAVEMENT PLANING AND RESURFACING
- ITEM 253 - PAVEMENT REPAIR, AS PER PLAN. SEE SHEET P.06 FOR DETAILS.
- PROP SHARED USE PATH (SUP) SEE TYPICAL SECTIONS
- PROP CONCRETE WALK SEE TYPICAL SECTIONS
- PROP CONCRETE DRIVE APRON SEE DRIVE DETAILS
- PROP 4" UNDERDRAIN SEE TYPICAL SECTIONS

DND	DO NOT DISTURB
TBR	TO BE REMOVED
TBRL	TO BE RELOCATED
TBRLO	TO BE RELOCATED BY OTHERS
ATG	ADJUST TO GRADE

WATER NOTE:
EX 12" WATERMAIN TO BE REPLACED SHALL BE ABANDONED AND FILLED IN PLACE.



HORIZONTAL SCALE IN FEET
0 10 20 40

WATER PLAN AND PROFILE - PIKE STREET STA 39+50 TO STA 44+50

LIC-TR1135-0.58

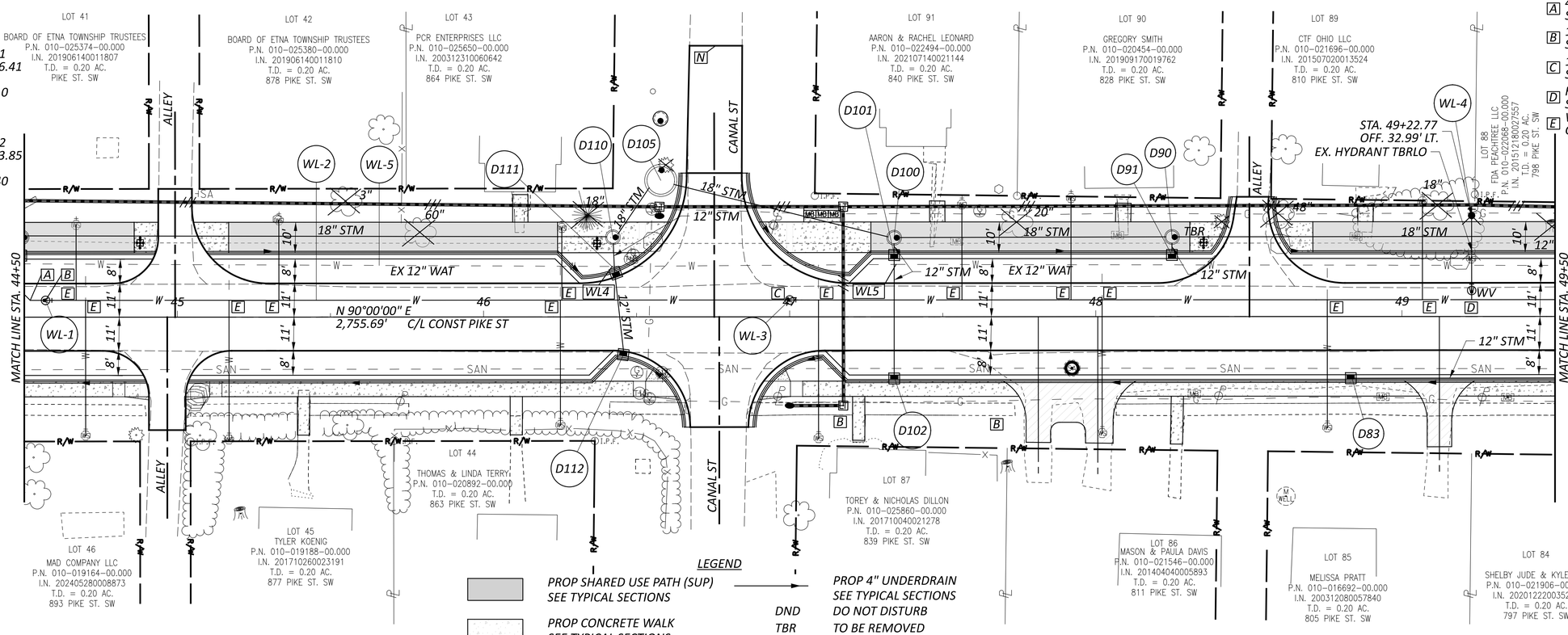
MODEL: CLP_3 - Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:16:08 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Utilities\Sheets\119487_UP101.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
PH. 614.440.4311
FAX 614.360.0023

DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET P.87 TOTAL P.108

WL4 *WL POTHOLE*
EX GROUND = 1056.11
PROP GROUND = 1056.41
TOP WL = 1052.14
INV 12" STM = 1051.10
CONFLICT

WL5 *WL POTHOLE*
EX GROUND = 1054.82
PROP GROUND = 1053.85
TOP WL = 1050.60
INV 12" STM = 1049.40
CONFLICT



CODED NOTES

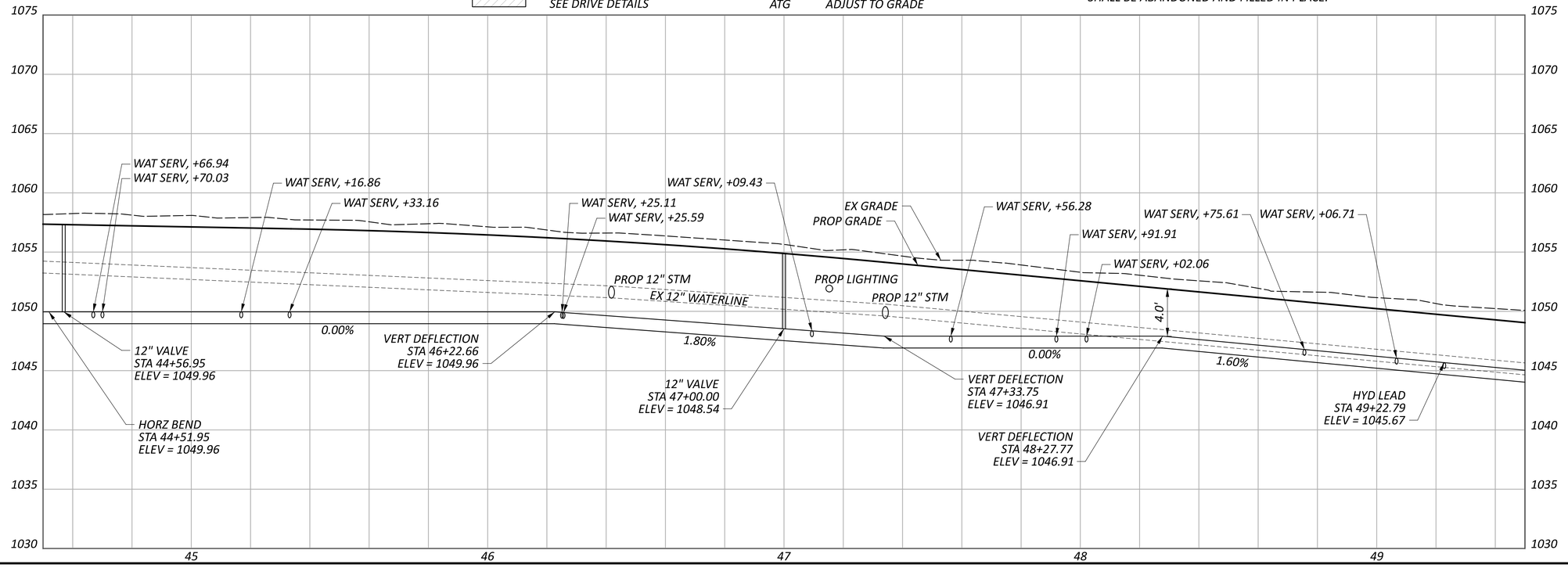
- **A** *45° HORZ BEND STA 44+51.95, 5.50' LT*
- **B** *12" VALVE STA 44+56.95, 5.50' LT*
- **C** *12" VALVE STA 47+00.00, 5.50' LT*
- **D** *HYD LEAD STA 49+22.79, 5.50' LT*
- **E** *WATER SERVICE CONNECTION*

LEGEND

PROP SHARED USE PATH (SUP) SEE TYPICAL SECTIONS
PROP CONCRETE WALK SEE TYPICAL SECTIONS
PROP CONCRETE DRIVE APRON SEE DRIVE DETAILS
PROP 4" UNDERDRAIN SEE TYPICAL SECTIONS

DND	DO NOT DISTURB
TBR	TO BE REMOVED
TBRL	TO BE RELOCATED
TBRLO	TO BE RELOCATED BY OTHERS
ATG	ADJUST TO GRADE

WATER NOTE:
EX 12" WATERMAIN TO BE REPLACED SHALL BE ABANDONED AND FILLED IN PLACE.



HORIZONTAL SCALE IN FEET
0 10 20 40

WATER PLAN AND PROFILE - PIKE STREET
STA 44+50 TO STA 49+50

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL 614.360.0023
FAX 614.360.0023

DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET P.88 TOTAL P.108

LIC-TR1135-0.58

MODEL: CLP_3 - Plan 2 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:16:11 AM USER: morr
F:\Clients\Active\LCTLCT002\119487\400-Engineering\Utilities\Sheets\119487_UP102.dgn

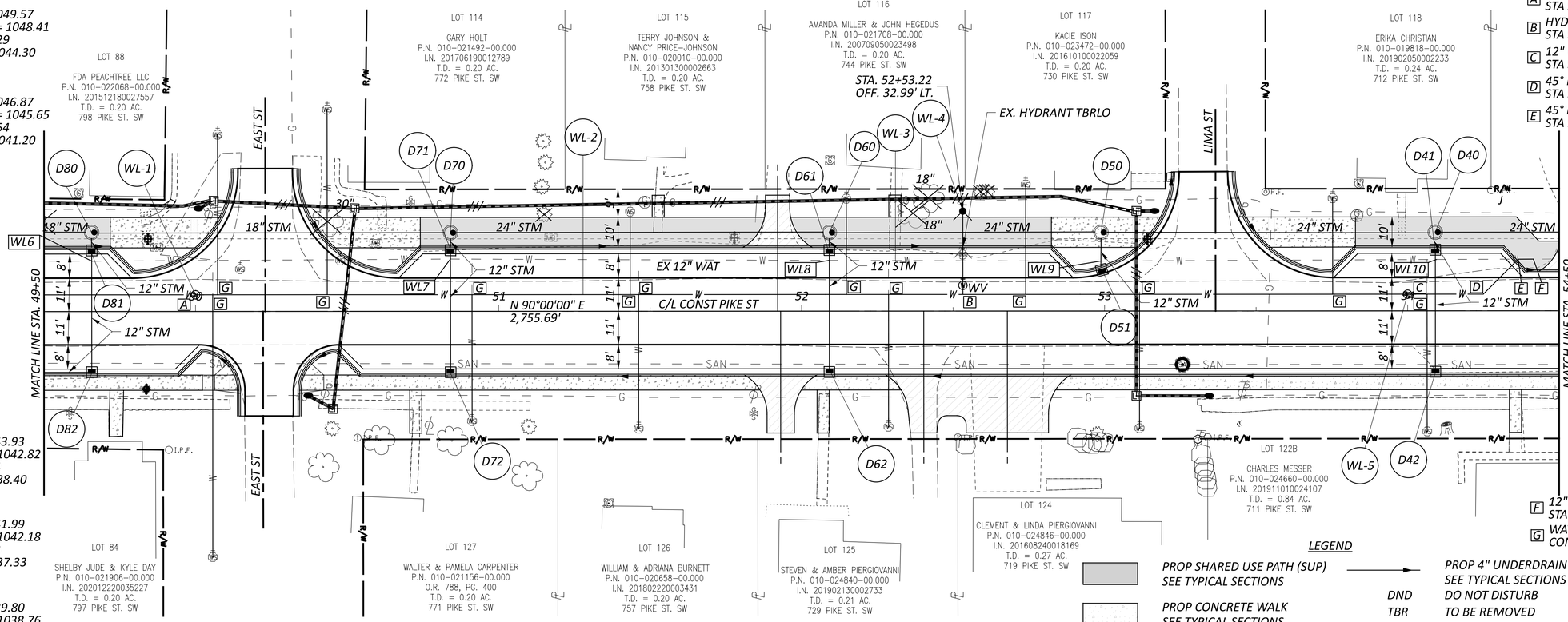
WL6 WL POTHOLE
EX GROUND = 1049.57
PROP GROUND = 1048.41
TOP WL = 1045.29
INV 12" STM = 1044.30
CONFLICT

WL7 WL POTHOLE
EX GROUND = 1046.87
PROP GROUND = 1045.65
TOP WL = 1042.54
INV 12" STM = 1041.20

WL8 WL POTHOLE
EX GROUND = 1043.93
PROP GROUND = 1042.82
TOP WL = 1039.84
INV 12" STM = 1038.40
CONFLICT

WL9 WL POTHOLE
EX GROUND = 1041.99
PROP GROUND = 1042.18
TOP WL = 1038.33
INV 12" STM = 1037.33
CONFLICT

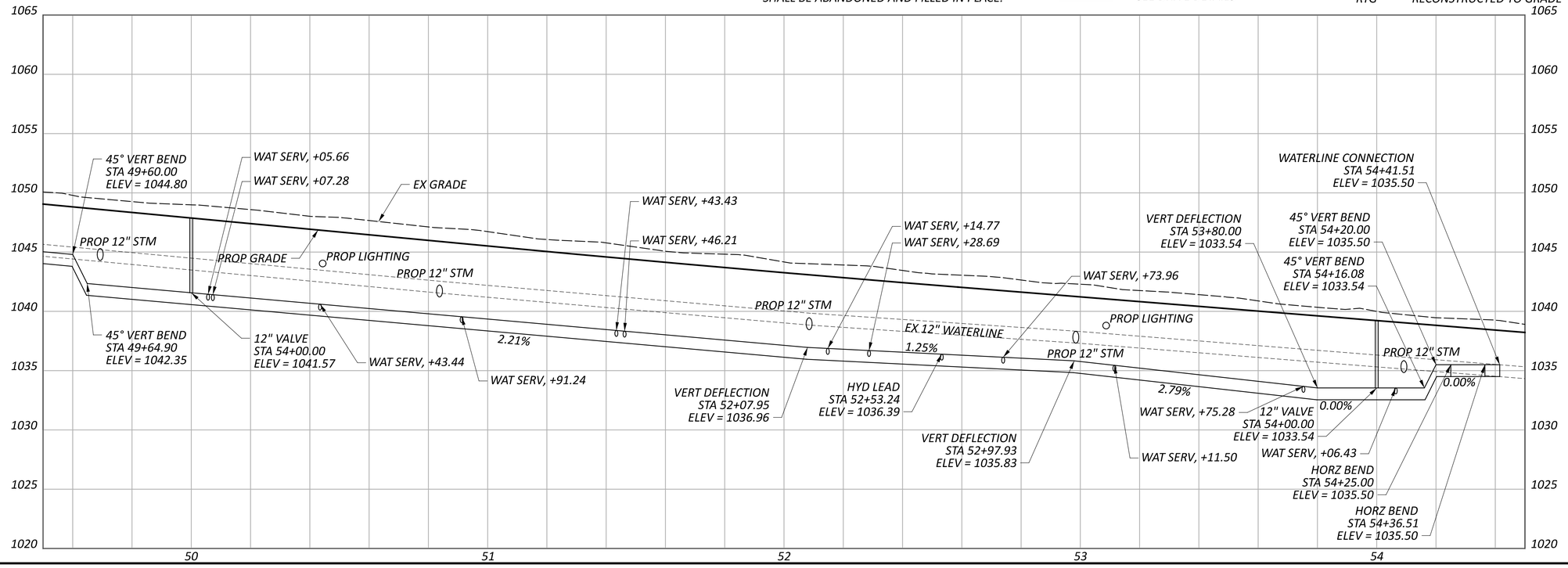
WL10 WL POTHOLE
EX GROUND = 1039.80
PROP GROUND = 1038.76
TOP WL = 1036.14
INV 12" STM = 1034.85
CONFLICT



WATER NOTE:
EX 12" WATERMAIN TO BE REPLACED
SHALL BE ABANDONED AND FILLED IN PLACE.

CODED NOTES
A 12" VALVE
STA 50+00.00, 5.50' LT
B HYD LEAD
STA 52+53.24, 5.50' LT
C 12" VALVE
STA 54+00.00, 5.50' LT
D 45° HORZ BEND
STA 54+25.00, 5.50' LT
E 45° HORZ BEND
STA 54+36.51, 17.04' LT
F 12" CONNECTION
STA 54+41.51, 17.06' LT
G WATER SERVICE CONNECTION

LEGEND
PROP SHARED USE PATH (SUP) SEE TYPICAL SECTIONS
PROP CONCRETE WALK SEE TYPICAL SECTIONS
PROP CONCRETE DRIVE APRON SEE DRIVE DETAILS
PROP 4" UNDERDRAIN SEE TYPICAL SECTIONS
DND DO NOT DISTURB
TBR TO BE REMOVED
TBRL TO BE RELOCATED
TBRLO TO BE RELOCATED BY OTHERS
RTG RECONSTRUCTED TO GRADE



HORIZONTAL SCALE IN FEET
0 10 20 40

WATER PLAN AND PROFILE - PIKE STREET
STA 49+50 TO STA 54+50

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.360.0023
FAX: 614.360.0023

DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET P.89 TOTAL P.108

LIC-TR1135-0.58

MODEL: CLP_3 - Plan 3 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:16:13 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Utilities\Sheets\119487_UP103.dgn

WL11 WL POTHOLE
EX GROUND = 1036.08
PROP GROUND = 1035.98
TOP WL = 1032.58
INV 12" STM = 1029.45

WL12 WL POTHOLE
EX GROUND = 1034.14
PROP GROUND = 1034.35
TOP WL = 1030.51
INV 12" STM = 1027.45

WL13 WL POTHOLE
EX GROUND = 1033.15
PROP GROUND = 1032.85
TOP WL = 1029.24
INV 12" STM = 1026.60

LOT 108A
NORMAN & BENETA GOAD
P.N. 010-021054-00.000
O.R. 492, PG. 124
T.D. = 0.39 AC.
695 PIKE ST. SW

LOT 120
REBECCA GREENLEE
P.N. 010-022284-00.000
I.N. 200308190039979
T.D. = 0.20 AC.
680 PIKE ST. SW

STEVEN RUNKLE
P.N. 010-023526-00.000
O.R. 264, PG. 784
T.D. = 1.27 AC.
662 PIKE ST. SW

GLADYS MESSER
P.N. 010-021864-00.000
O.R. 442, PG. 697
T.D. = 1.78 AC.
624 PIKE ST. SW

ETNA HIGH POINT CHURCH
P.N. 010-017610-00.000
I.N. 202311290021674
T.D. = 7.55 AC.
500 PIKE ST. SW

EX 12" WAT
REPLACE 8' OF 12" WAT
EX STONE WALL
24" STM
12" STM
DND
EX 12" WAT
24" STM
12" STM
N 90°00'00" E
2,755.69'
C/L CONST PIKE ST
STA. 56+41.14
OFF. 17.39' LT.
STA. 56+41.12
OFF. 28.39' LT.
EX. HYDRANT TBRLO
C/L R/W
EX 8x6 BOX CUVERT
INV = 1022.75
MATCH LINE STA. 54+50
MATCH LINE STA. 59+50

JAMIE & CHARLES MESSER
P.N. 010-023082-00.000
I.N. 202103020006437
T.D. = 2.66 AC.
PIKE ST. SW

LOT 122B
CHARLES MESSER
P.N. 010-024660-00.000
I.N. 20191101002410 7
T.D. = 0.84 AC.
711 PIKE ST. SW

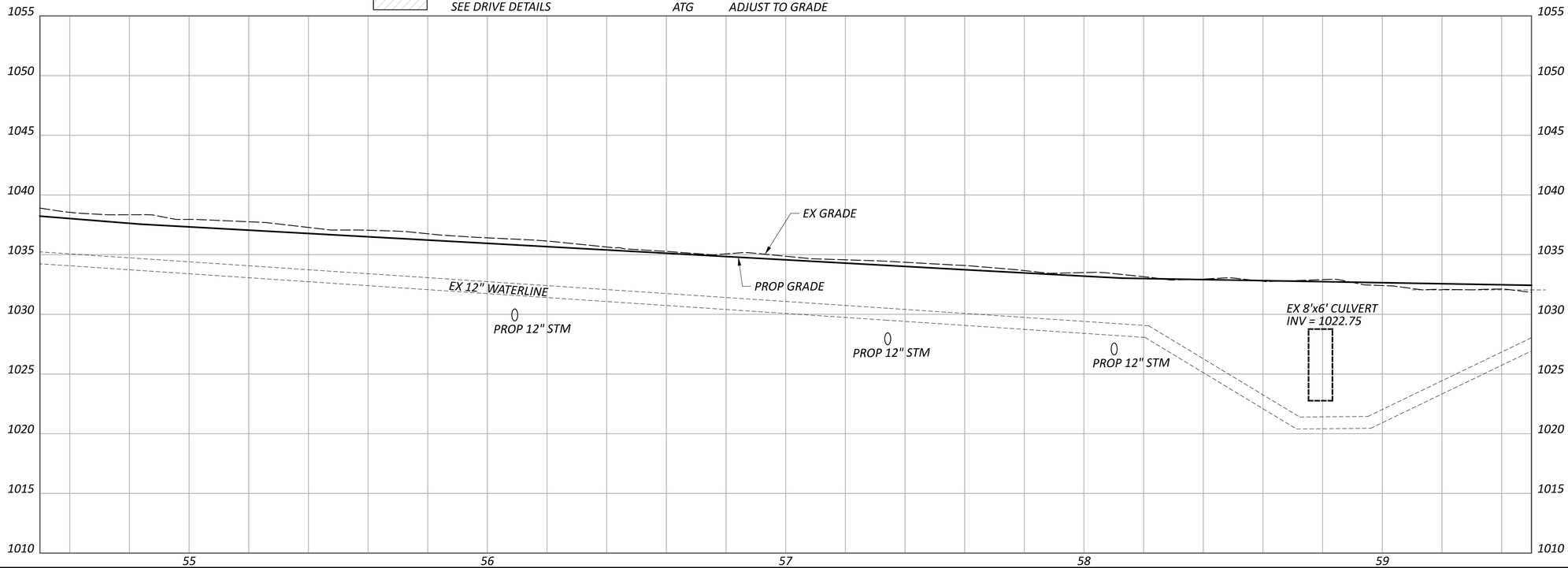
LOT 121
JAMIE & CHARLES MESSER
P.N. 010-023088-00.000
I.N. 202103020006437
T.D. = 0.21 AC.
PIKE ST. SW

EX UNNAMED CREEK
TRIBUTARY TO SOUTH FORK
LICKING RIVER

ROSS & ELIZABETH WILLIAMS
P.N. 010-017616-00.001
I.N. 201806280013156
T.D. = 2.05 AC.
565 PIKE ST. SW

LEGEND

PROP SHARED USE PATH (SUP) SEE TYPICAL SECTIONS	PROP 4" UNDERDRAIN SEE TYPICAL SECTIONS
PROP CONCRETE WALK SEE TYPICAL SECTIONS	DND DO NOT DISTURB
PROP CONCRETE DRIVE APRON SEE DRIVE DETAILS	TBR TO BE REMOVED
	TBRL TO BE RELOCATED
	TBRLO TO BE RELOCATED BY OTHERS
	ATG ADJUST TO GRADE



HORIZONTAL SCALE IN FEET
0 10 20 40

WATER PLAN AND PROFILE - PIKE STREET
STA 54+50 TO STA 59+50

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEW ALBANY, OH 43054
TEL: 614.360.0023
FAX: 614.360.0023

DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET P.90 TOTAL P.108

LIC-TR1135-0.58

MODEL: CLP_3 - Plan 4 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:16:15 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Utilities\Sheets\119487_UP104.dgn

LEGEND

PROP SHARED USE PATH (SUP)
SEE TYPICAL SECTIONS
PROP CONCRETE WALK
SEE TYPICAL SECTIONS
PROP CONCRETE DRIVE APRON
SEE DRIVE DETAILS
PROP 4" UNDERDRAIN
SEE TYPICAL SECTIONS

DND	DO NOT DISTURB
TBR	TO BE REMOVED
TBRL	TO BE RELOCATED
TBRLO	TO BE RELOCATED BY OTHERS
ATG	ADJUST TO GRADE

HORIZONTAL SCALE IN FEET
0 10 20 40

ETNA HIGH POINT CHURCH
P.N. 010-017610-00.000
I.N. 202311290021674
T.D. = 7.55 AC.
500 PIKE ST. SW

STA. 60+11.61
OFF. 28.45' LT.
REPLACE 8' OF 12" WAT

EX. HYDRANT TBRLO
STA. 60+11.61
OFF. 15.00' LT.

EX 12" WAT

WL-1 D153 D156

MATCH LINE STA. 59+50

80.0'
8.5' 10.0' 10.0' 11.0' 11.0' 10.0' 5.0' 14.5'

60 61 62 63 64

EX WAT SERV
12" STM
C/L R/W
C/L CONST PIKE ST
N 90°00'00" E
2,755.69'

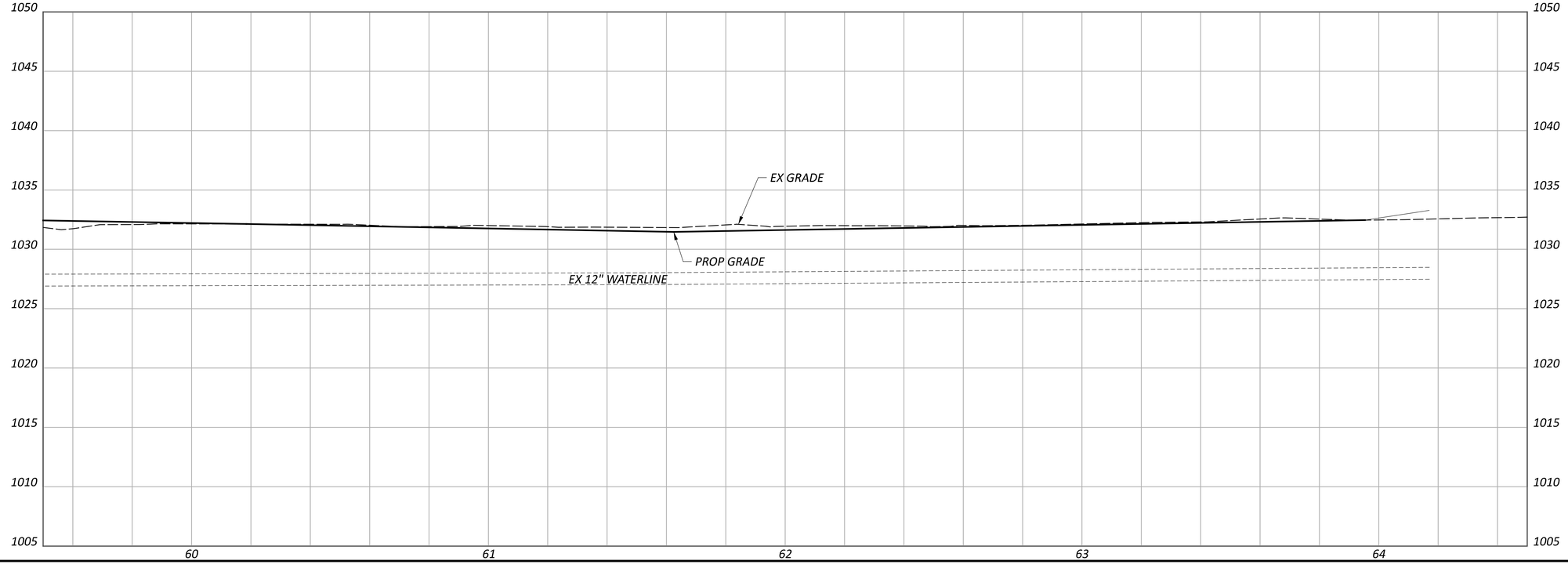
D151 D152 D154 D155

ROSS & ELIZABETH WILLIAMS
P.N. 010-017616-00.001
I.N. 20180628013156
T.D. = 2.05 AC.
565 PIKE ST. SW

BRIAN J SWISHER, TRUSTEE
P.N. 010-017616-00.003
I.N. 2018101800021886
T.D. = 1.13 AC.
529 PIKE ST. SW

ETNA HIGH POINT CHURCH
P.N. 010-017616-00.002
I.N. 202311290021674
T.D. = 1.71 AC.
499 PIKE ST. SW

R&R JV LLC
P.N. 010-017616-00.000
I.N. 202101040000046
T.D. = 80.06 AC.
493 PIKE ST. SW



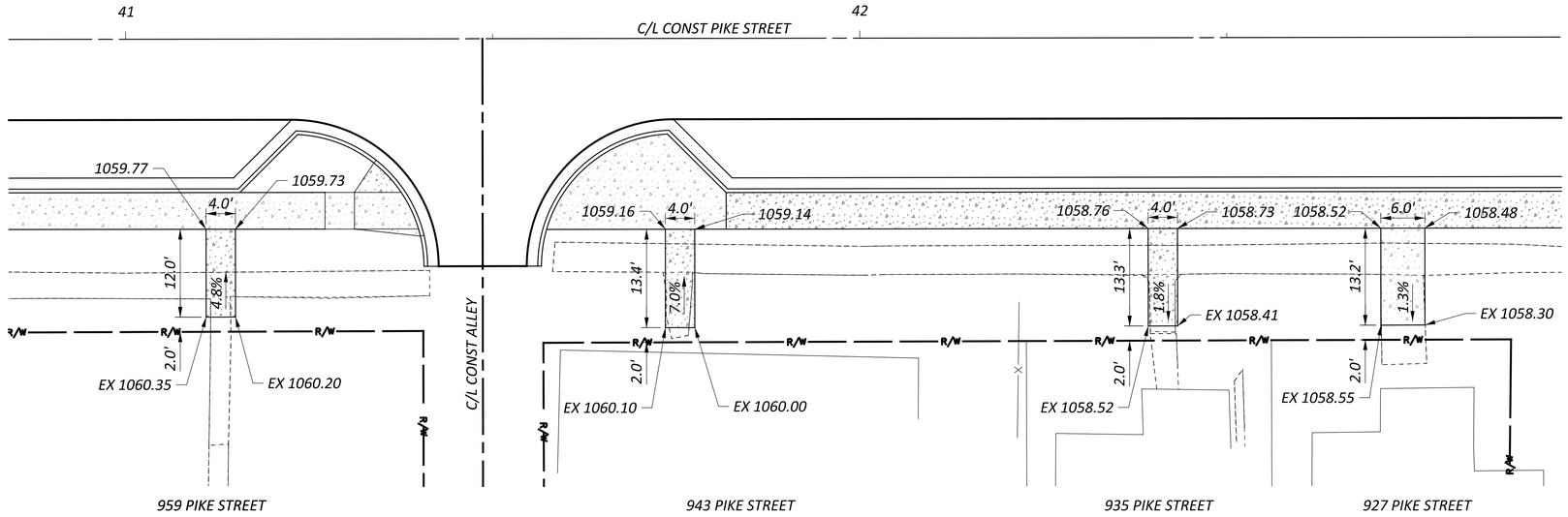
WATER PLAN AND PROFILE - PIKE STREET
STA 59+50 TO STA 63+95

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.440.4300
FAX: 614.366.0023

DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET P.91 TOTAL P.108

LIC-TR1135-0.58

MODEL: CLP_3 - Plan 5 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:16:18 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Utilities\Sheets\119487_UP105.dgn



LEGEND

PROP SHARED USE PATH (SUP)
SEE TYPICAL SECTIONS

PROP CONCRETE WALK
SEE TYPICAL SECTIONS

NOTES:
SEE ODOT STANDARD DRAWING RM-2.1 FOR ADDITIONAL DETAILS.

ELEVATIONS SHOWN ON STAIRS ARE TREAD ELEVATIONS.

TYPICAL STEP DETAIL
NOT TO SCALE

NOTES:
CONCRETE WALKS TO BE CONSTRUCTED PER CMS ITEM 608.

CONCRETE WALKS SHALL BE 4" THICK UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 10 20

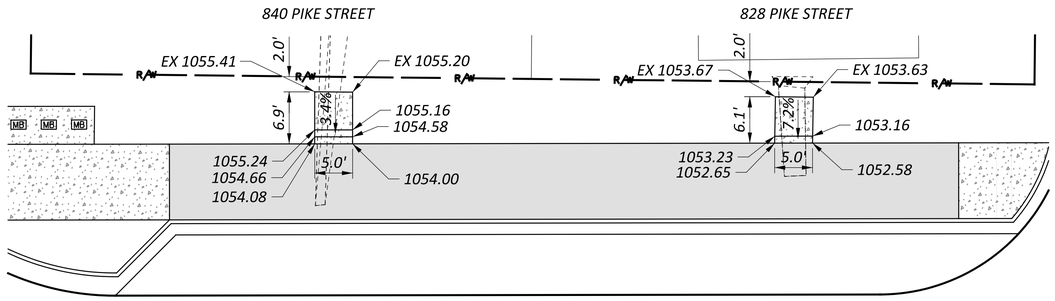
CARRIAGE WALK DETAILS

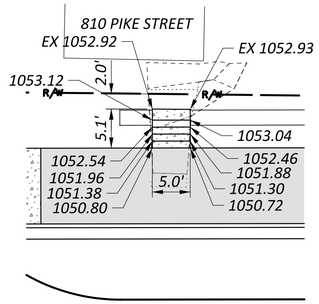
DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.360.0023
FAX: 614.360.0023

DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET P.92 TOTAL P.108

LIC-TR1135-0.58

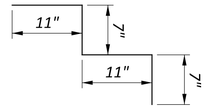
MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:16:19 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_GM010.dgn





NOTES:
SEE ODOT STANDARD DRAWING RM-2.1 FOR ADDITIONAL DETAILS.

ELEVATIONS SHOWN ON STAIRS ARE TREAD ELEVATIONS.

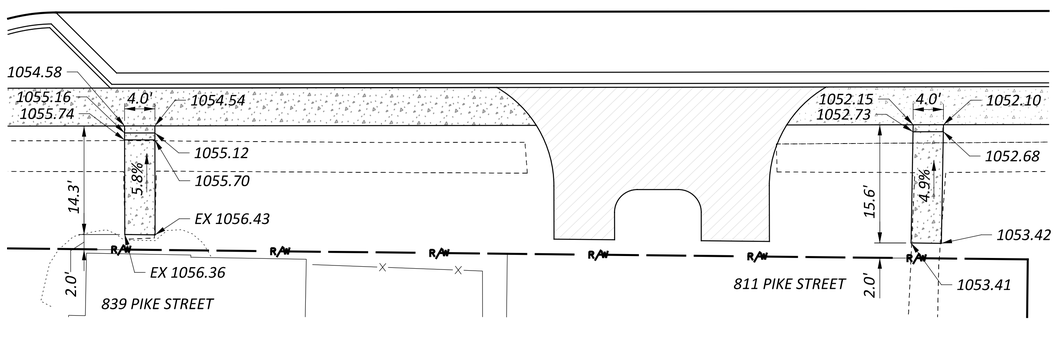


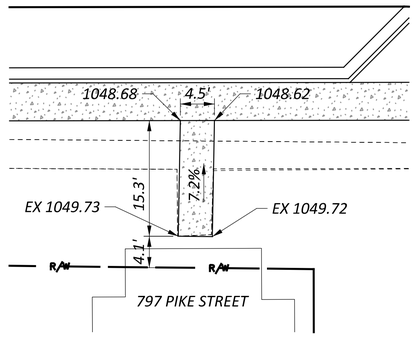
TYPICAL STEP DETAIL
NOT TO SCALE

48
C/L CONST PIKE STREET

49
C/L CONST PIKE STREET

50
C/L CONST PIKE STREET





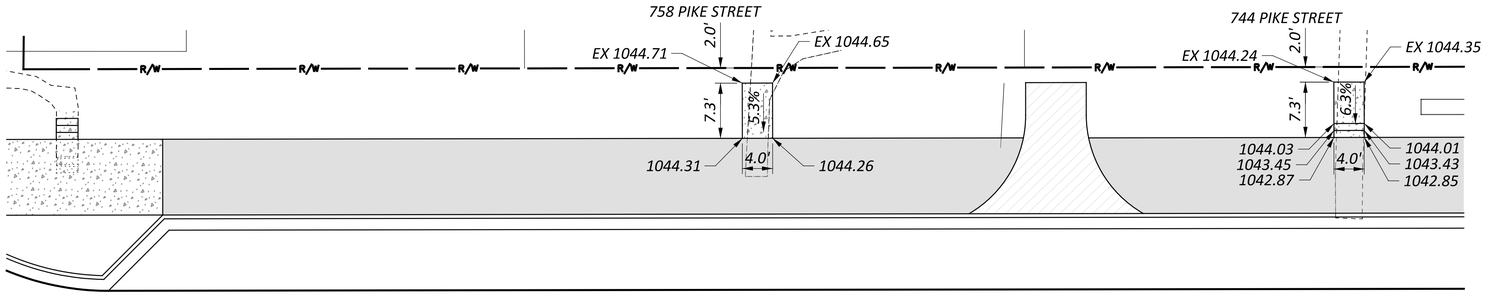
LEGEND

PROP SHARED USE PATH (SUP)
SEE TYPICAL SECTIONS

PROP CONCRETE WALK
SEE TYPICAL SECTIONS

NOTES:
CONCRETE WALKS TO BE CONSTRUCTED PER CMS ITEM 608.

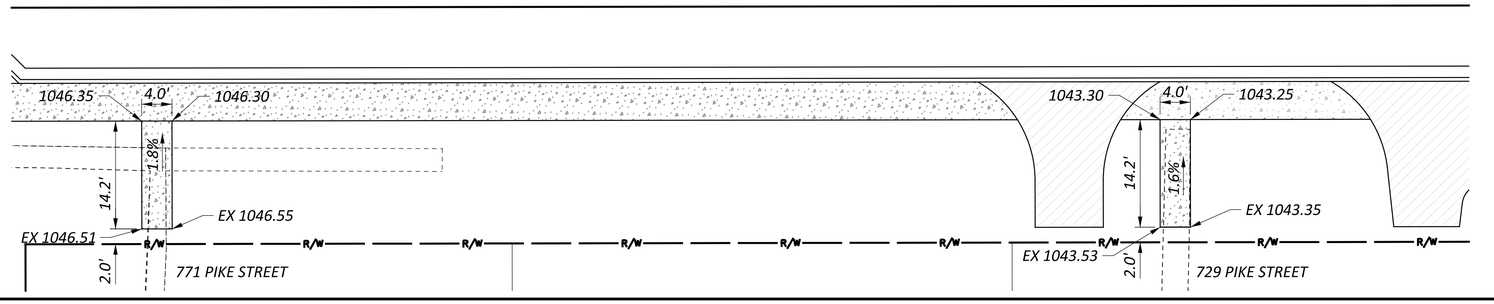
CONCRETE WALKS SHALL BE 4" THICK UNLESS OTHERWISE NOTED.

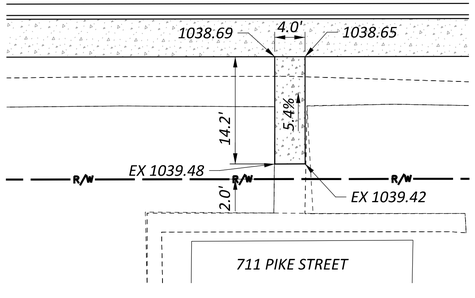


54
C/L CONST PIKE STREET

51
C/L CONST PIKE STREET

52





HORIZONTAL SCALE IN FEET
0 10 20

CARRIAGE WALK DETAILS

LIC-TR1135-0.58

MODEL: Sheet_Surv ft PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:16:20 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_GM011.dgn

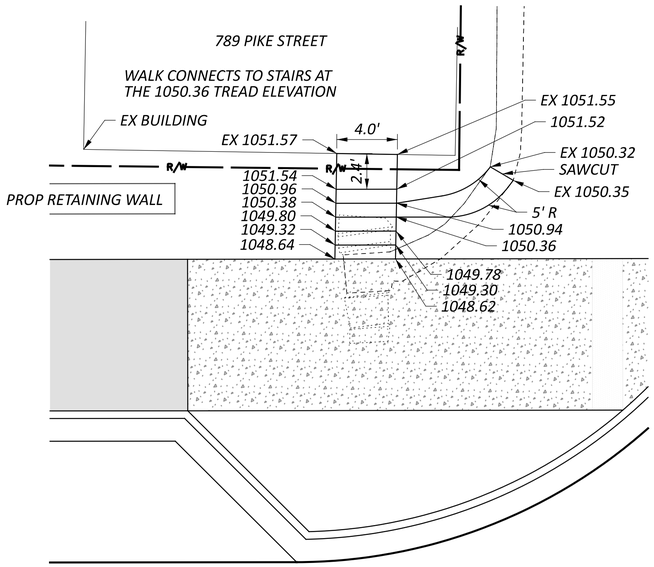
DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.360.0023
FAX: 614.360.0023

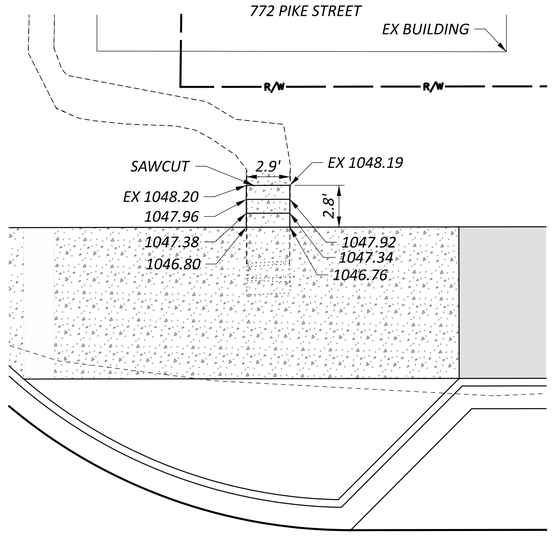
DESIGNER
MRO

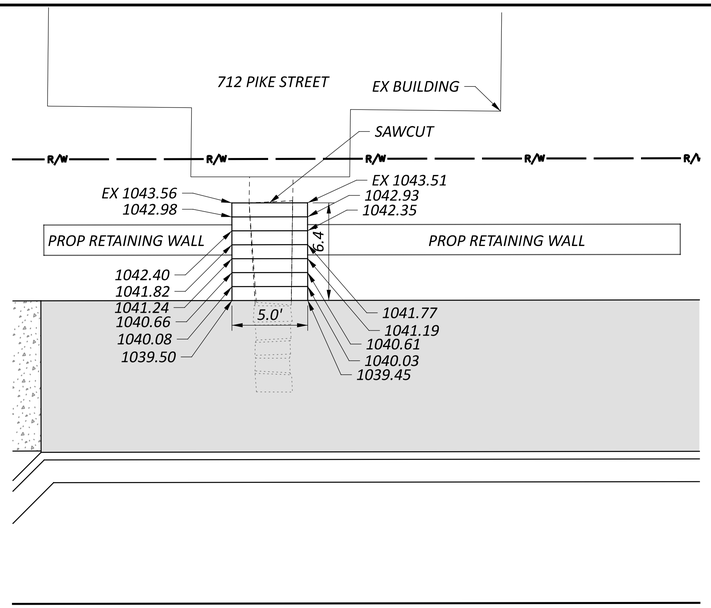
REVIEWER
SRH 05/16/25

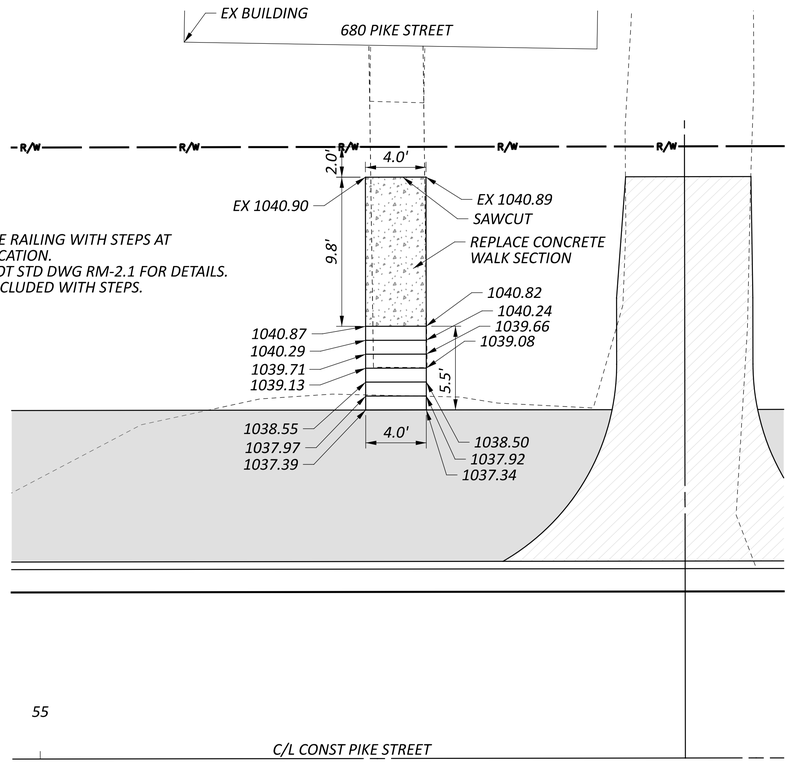
PROJECT ID
119487

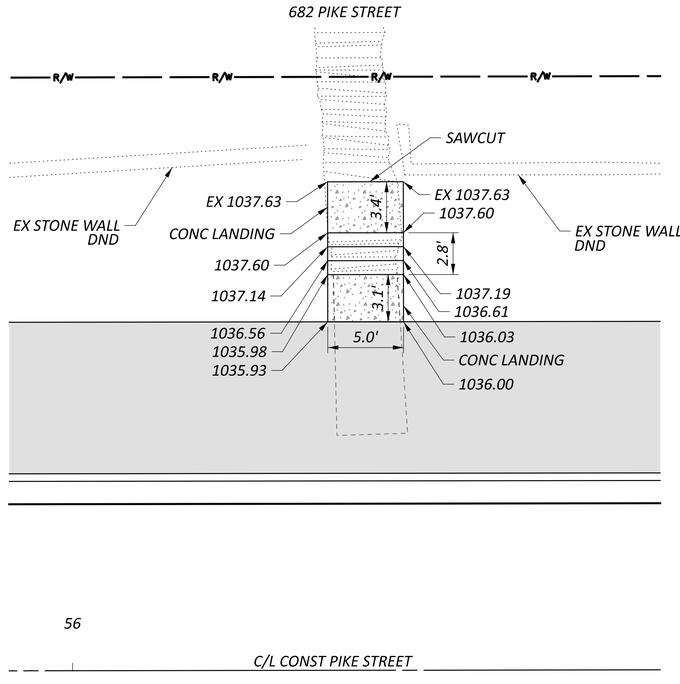
SHEET P.93 TOTAL P.108











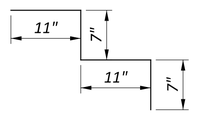
LEGEND

PROP SHARED USE PATH (SUP)
SEE TYPICAL SECTIONS

PROP CONCRETE WALK
SEE TYPICAL SECTIONS

NOTES:
SEE ODOT STANDARD DRAWING RM-2.1 FOR ADDITIONAL DETAILS.

ELEVATIONS SHOWN ON STAIRS ARE TREAD ELEVATIONS.



TYPICAL STEP DETAIL
NOT TO SCALE

HORIZONTAL SCALE IN FEET
0 5 10

STAIR DETAILS

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.360.0023
FAX: 614.360.0023

DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET P.94 TOTAL P.108

LIC-TR1135-0.58

MODEL: Sheet_Survft PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:16:21 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_GM005.dgn

PAVEMENT BUILDUP

1. ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (449) PG64-22
2. ITEM 407 - NON-TRACKING TACK COAT (SEE ODOT CMS TABLE 407.06-1 FOR APPLICATION RATE)
3. ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449) PG64-22
4. ITEM 304 - 6" AGGREGATE BASE (LIMESTONE)
5. ITEM 204 - SUBGRADE COMPACTION

LEGEND

- ASPHALT PAVEMENT (SEE PAVMENT BUILDUP)
- ITEM 608 - 4" CONCRETE WALK

HORIZONTAL SCALE IN FEET
0 10 20

ETNA TOWNSHIP ADMINISTRATIVE BUILDING

LIBERTY STREET

ALLEY

PIKE STREET

EX. HANDICAP ENTRANCE

MATCH EX. CORNER OF CONCRETE WALK

TEMP. WALK

5'

48'

N = 713074
E = 1917787

REERECTED HANDICAP SIGN

N = 713084
E = 1917816

10' R

19'

11'

N = 713063
E = 1917787

5'

11'

N = 713058
E = 1917787

REERECTED HANDICAP SIGN

10' R

N = 713037
E = 1917816

N = 713047
E = 1917788

TEMP. PARKING LOT

REMOVE AND REERECT HANDICAP SIGNS TO TEMP. PARKING LOT

EX. PARKING LOT TO BE REMOVED

MAINTENANCE OF TRAFFIC PARKING LOT EXHIBIT

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
PHONE 614.645.4455
FAX 614.360.0023

DESIGNER: JLB

REVIEWER: SRH 05/16/25

PROJECT ID: 119487

SHEET: P.95 | TOTAL: P.108

LIC-TR1135-0.58

MODEL: Sheet_SurvPt PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:35:21 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\40D-Engineering\Roadway\Sheets\119487_GM004.dgn

LIC-TR1135-0.58

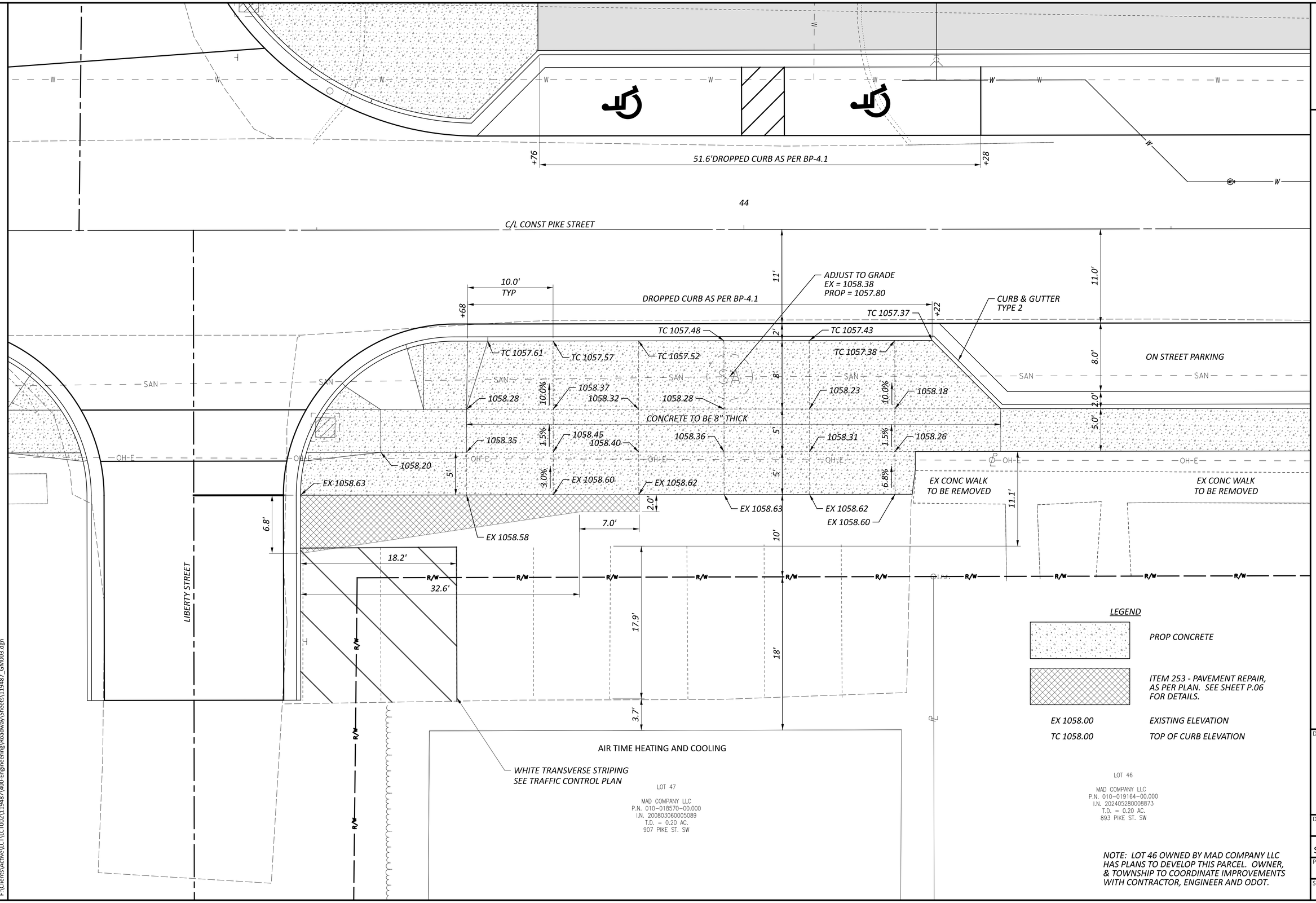
MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:33:53 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_GM002.dgn



SHEET P.96	PROJECT ID 119487	REVIEWER SRH 05/16/25	DESIGNER MRO	verdantas 1555 WEST MAIN STREET NEWARK, OH 43055 TEL. 740.344.5451 FAX 614.360.0023	DESIGN AGENCY

MISCELLANEOUS DETAILS - SOUTH STREET

HORIZONTAL SCALE IN FEET
0 10
0 20



LIC-TR1135-0.58

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:17:05 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_GM003.dgn

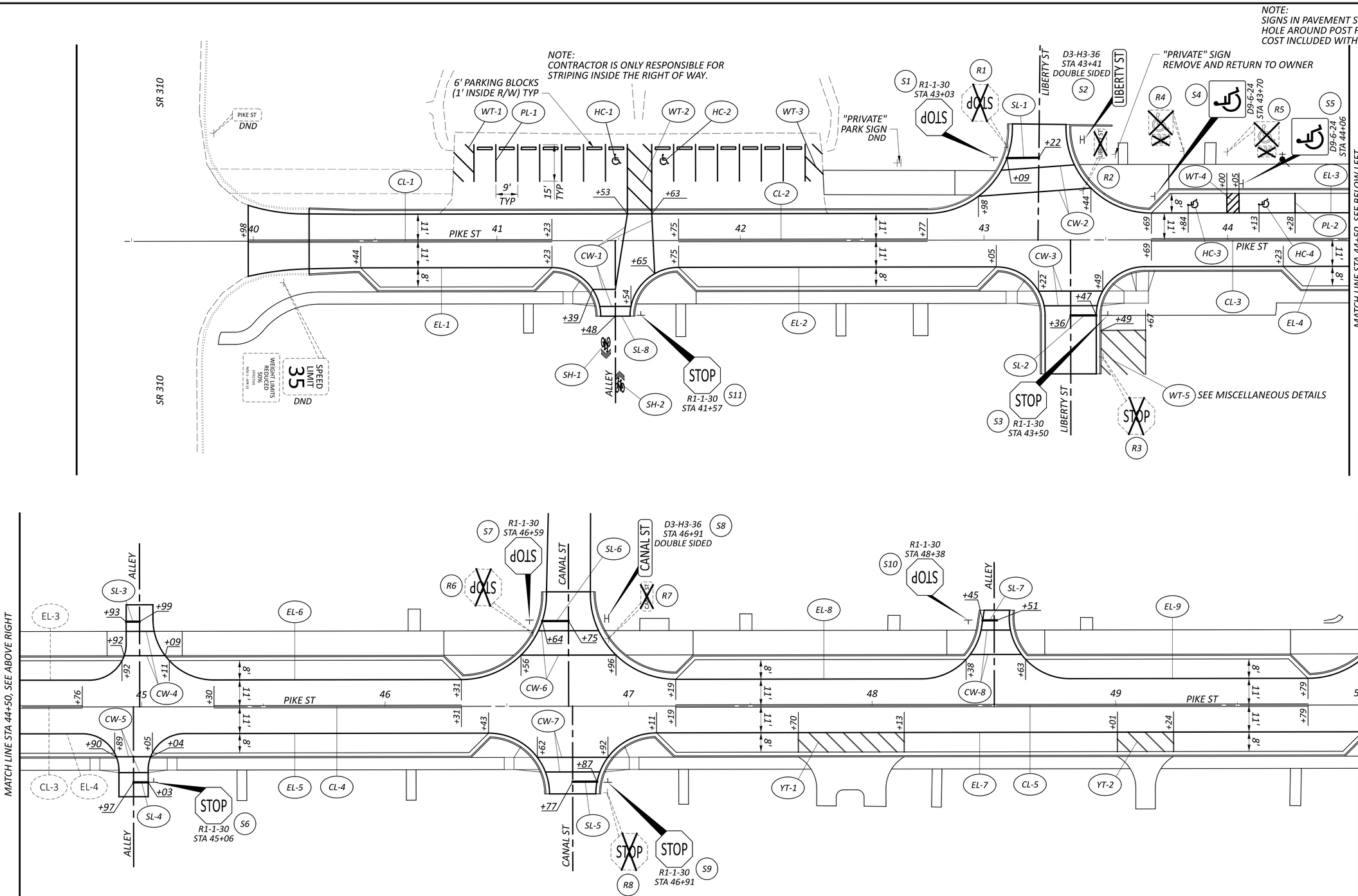
DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
PH 614.360.4545
FAX 614.360.0023

DESIGNER
MRO

REVIEWER
SRH 05/16/25

PROJECT ID
119487

SHEET P.97 TOTAL P.108



LEGEND

CL	CENTERLINE, 5" DOUBLE SOLID	CW	CROSSWALK LINE, 12"	SH	SHARED LANE MARKING (SHARROW)	HC	HANDICAP SYMBOL MARKING
EL	EDGE LINE, 6" WHITE	YT	TRANSVERSE/DIAGONAL LINE, YELLOW, 24"	CH	CHANNELIZING LINE, 8"	PL	PARKING LOT STALL MARKING
SL	STOP LINE, 20" WHITE	DND	DO NOT DISTURB	WT	TRANSVERSE/DIAGONAL LINE, WHITE, 12"	XX-1	SHOWN ON ANOTHER VIEW PORT OR SHEET

PROPOSED SIGN: SPEED LIMIT 35 — R2-1-30

EXISTING SIGN: SPEED LIMIT 35

SIGN TO BE REMOVED: SPEED LIMIT 35

TRAFFIC CONTROL
STA 39+50 TO STA 50+00

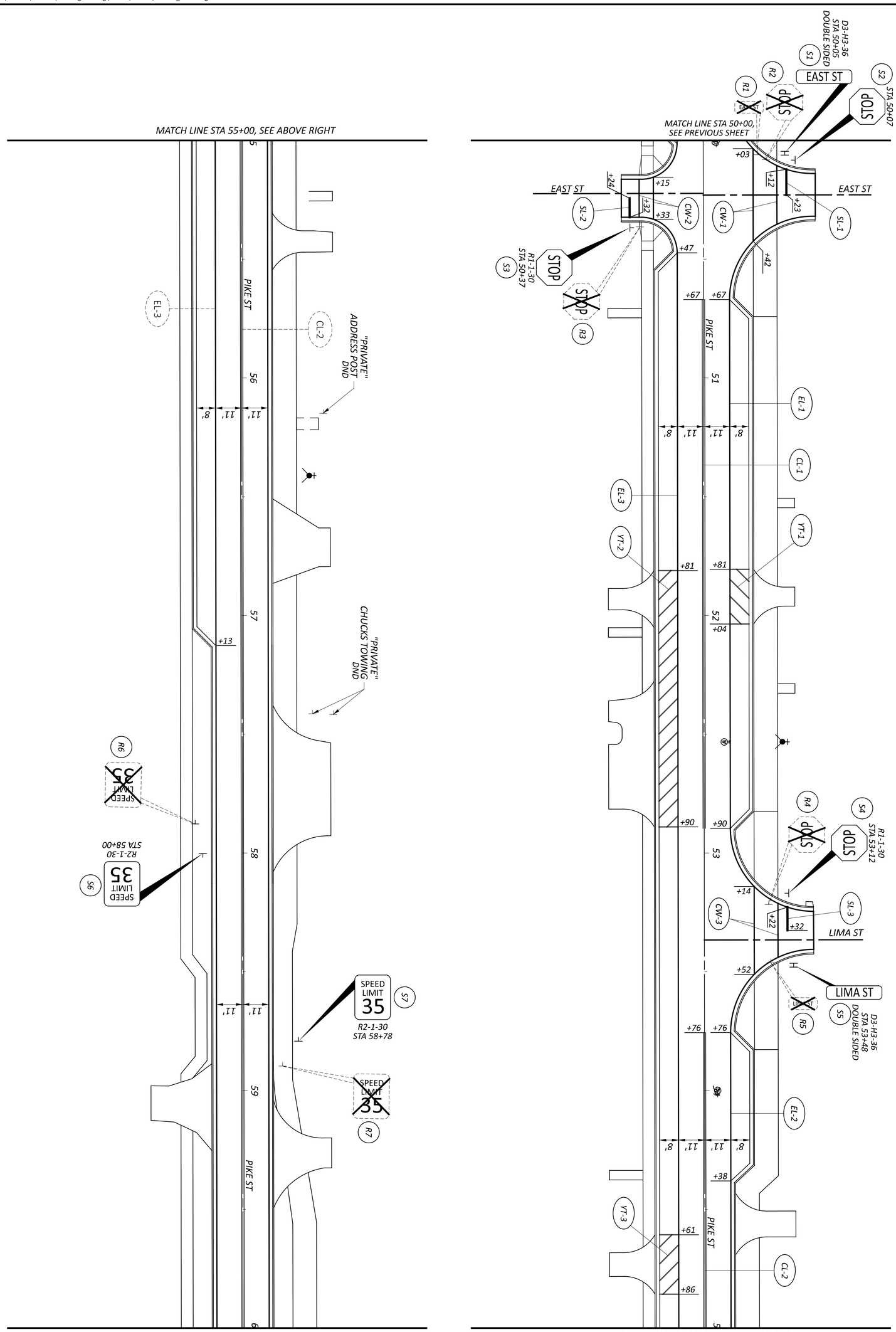
LIC-TR1135-0.58

MODEL: Sheet_Survft PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:17:06 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Traffic\Sheets\119487_TP004.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.360.0023
FAX: 614.360.0023

DESIGNER: MRO
REVIEWER: SRH 05/16/25
PROJECT ID: 119487
SHEET: P.98 TOTAL: P.108

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:17:07 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Traffic\Sheets\119487_TP005.dgn



FOR LEGEND SEE SHEET P.98

SHEET	TOTAL
P.99	P.108

PROJECT ID: 119487

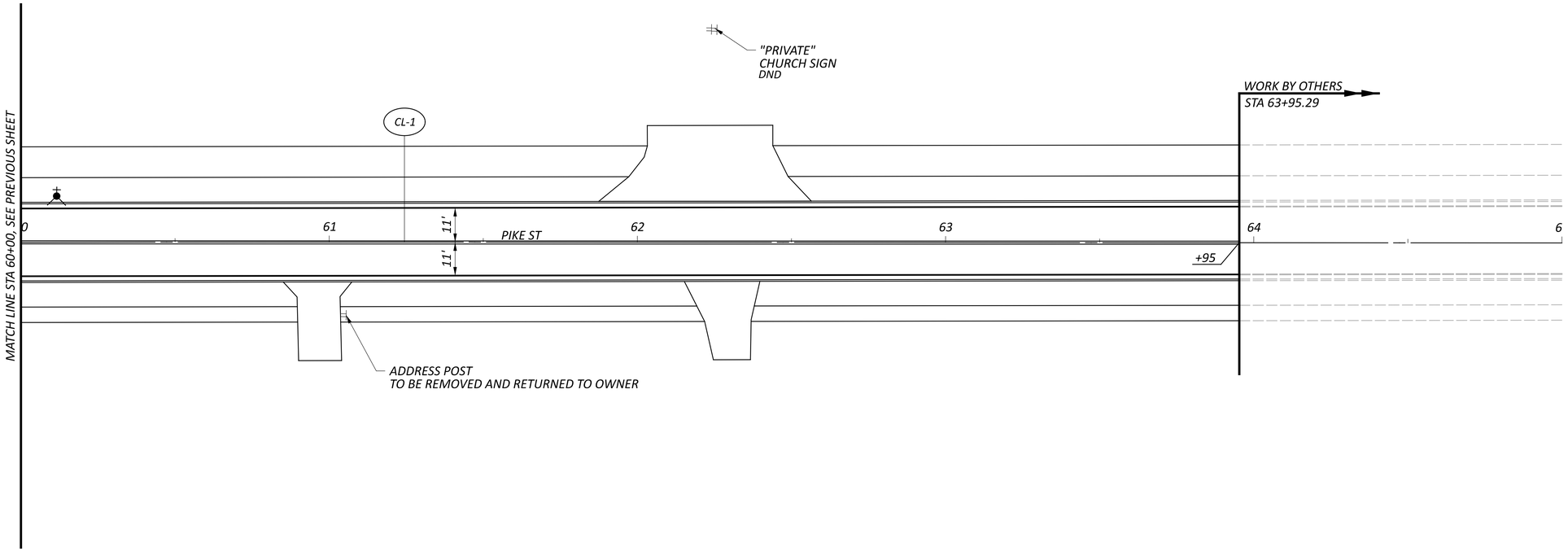
REVIEWER: SRH 05/16/25

DESIGNER: MRO

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL. 740.344.5451
FAX 614.360.0023

TRAFFIC CONTROL
STA 50+00 TO STA 60+00

HORIZONTAL SCALE IN FEET
0 20
0 40



HORIZONTAL SCALE IN FEET
0 20 40

TRAFFIC CONTROL
STA 60+00 TO STA 63+95

FOR LEGEND SEE SHEET P.98

LIC-TR1135-0.58

MODEL: Sheet_Survft PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:17:08 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Traffic\Sheets\119487_TP006.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.344.1351
FAX: 614.300.0023

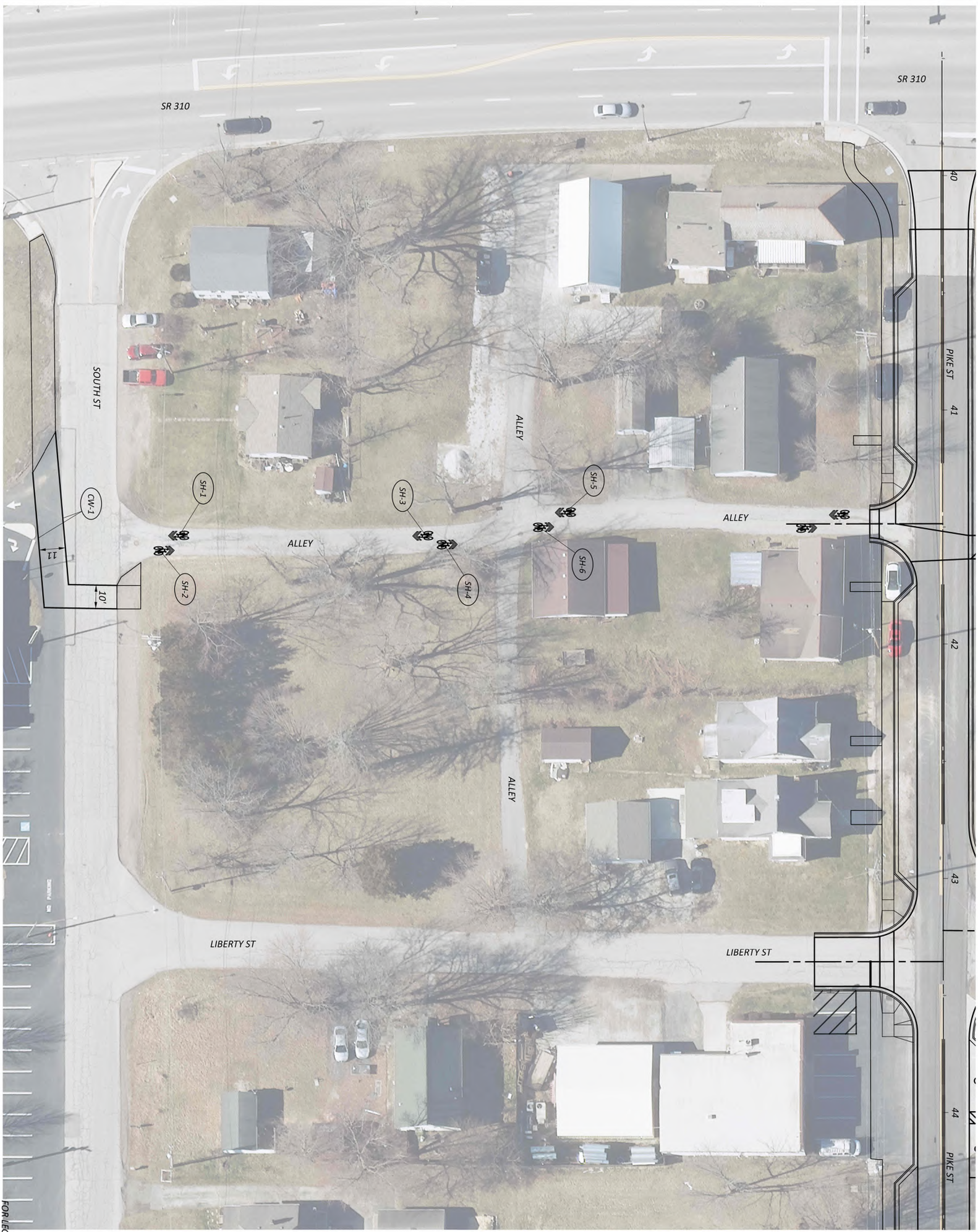
DESIGNER
MRO

REVIEWER
SRH 05/16/25

PROJECT ID
119487

SHEET P.100 TOTAL P.108

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:17:09 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Traffic\Sheets\119487_TP007.dgn

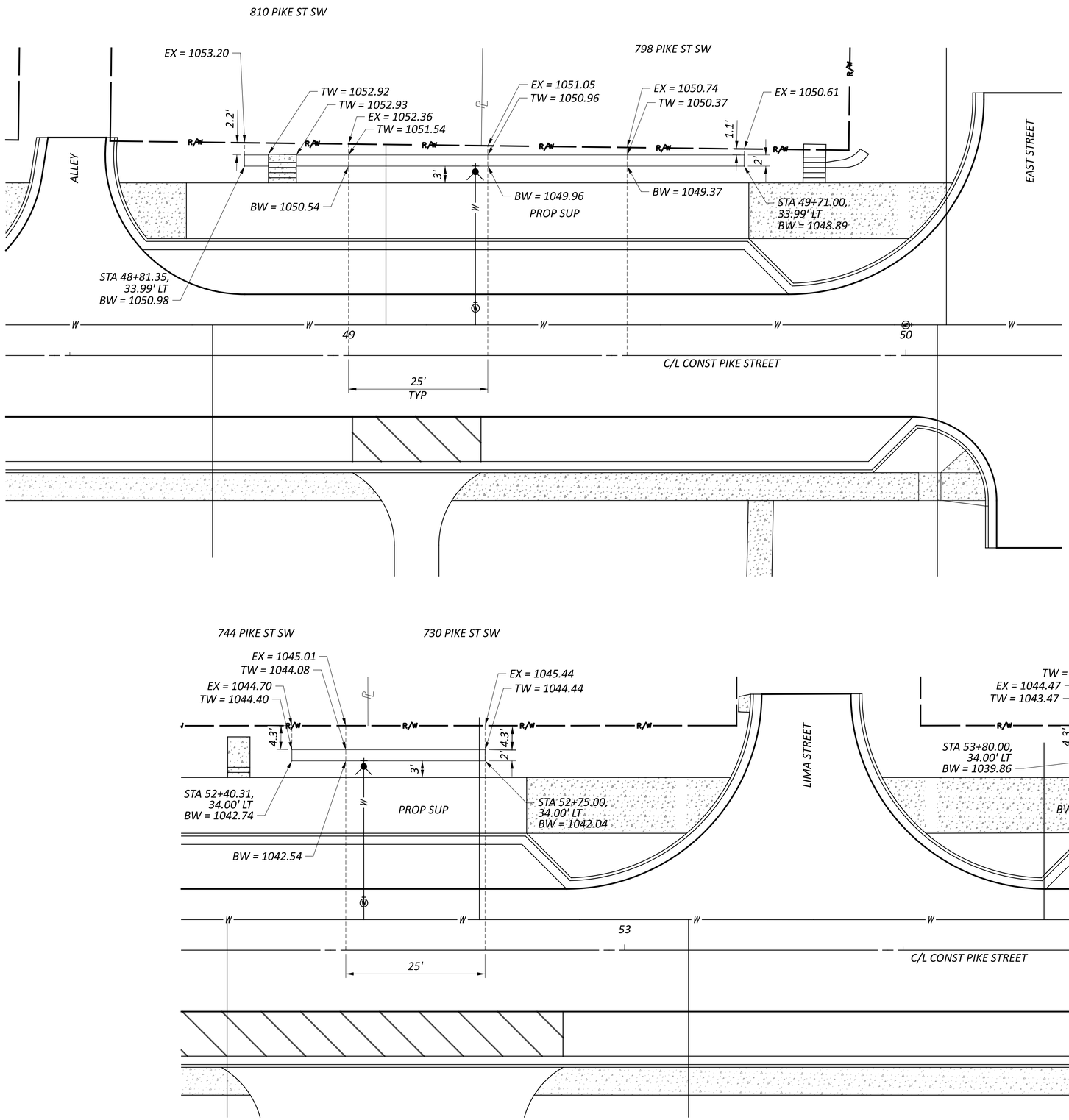


FOR LEGEND SEE SHEET P.98

SHEET	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.101 TOTAL P.108	119487	SRH 05/16/25	MRO	verdantas 1555 WEST MAIN STREET NEWARK, OH 43055 TEL. 740.344.5451 FAX 614.360.0023

TRAFFIC CONTROL
SOUTH ST AND ALLEY

HORIZONTAL SCALE IN FEET
0 20
0 40



LEGEND

EX = 1000.00	EXISTING ELEVATION
TW = 1000.00	TOP OF WALL ELEVATION
BW = 1000.00	BOTTOM OF WALL ELEVATION

HORIZONTAL SCALE IN FEET
0 5 10 20

RETAINING WALL DETAIL

LIC-TR1135-0.58

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:17:19 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Roadway\Sheets\119487_WP001.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
MARBLE CLIFF, OHIO 43212
TEL 740.344.5451
FAX 614.360.0023

DESIGNER	MRO
REVIEWER	SRH 05/16/25
PROJECT ID	119487
SHEET	P.102
TOTAL	P.108

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. SEE PAGE 5 FOR CONTACT INFORMATION.

PADLOCKS AND KEYS

PADLOCKS FURNISHED SHALL BE EITHER BRASS OR BRONZE, EQUAL TO MASTER NO. 4BKA OR WILSON BOHANNAN 660A, AND SHALL BE KEYED IN ACCORDANCE WITH C&MS 631.06. PAYMENT SHALL BE INCLUDED IN THE BID FOR THE ITEM(S) BEING LOCKED.

ITEM 625, POWER SERVICE, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF THE SPECIFICATIONS, THE FOLLOWING IS ADDED.

THE POWER SUPPLYING AGENCY FOR THIS PROJECT IS:

POWER COMPANY: AMERICAN ELECTRIC POWER CO. (DISTRIBUTION)
ADDRESS: 38831 STATE ROUTE 7
REEDVILLE, OHIO 45772

CONTACT NAME: CLARKE SAUNDERS
(740) 985-3054
cmsaunders@aep.com

AEP SOLUTION CENTER CONTACT FOR STREET LIGHTING AND SERVICES:
AEP SOLUTION CENTER
(SERVICES AND STREET LIGHTING)
1-800-277-2177

THE ENGINEER SHALL ENSURE THAT EACH POWER SERVICE ELECTRICAL ENERGY ACCOUNT IS IN THE NAME OF AND THAT THE BILLING ADDRESS IS TO THE MAINTAINING AGENCY NOTED IN THE PLANS. THIS SHALL BE DONE NOT ONLY FOR EACH NEW POWER SERVICE ESTABLISHED BY THIS PROJECT BUT ALSO FOR EACH EXISTING POWER SERVICE, SINCE THERE MAY BE A REASSIGNMENT OF THE RESPONSIBILITY FOR AN EXISTING SERVICE AS A RESULT OF THE WORK PERFORMED BY THIS PROJECT.

THE POWER SERVICE SHALL BE PAD-MOUNTED. (HL-40.20)

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH C&MS ITEM 625, "POWER SERVICE, AS PER PLAN" WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

ITEM 625, LUMINAIRE, DECORATIVE, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF 625, THIS ITEM OF WORK SHALL CONSIST OF FURNISHING AND INSTALLING COMPLETE DECORATIVE POST TOP-STYLE LED LUMINAIRE FOR ROADWAY ILLUMINATION.

HL-10.11 SHOWS A POST TOP-STYLE LED LUMINAIRE SCHEMATICALLY.

THIS ITEM CONSISTS OF A BASE FILTER, GLASS GLOBE REFRACTOR AND A BASIC HOUSING. PROVIDE A LUMINAIRE WITH A B-U-G UP-LIGHTING RATING OF U4 OR LESS.

PROVIDE A LUMINAIRE COMPATIBLE WITH THE LIGHTING BRANCH CIRCUIT SHOWN IN THE PLANS.

ASSURE THE LUMINAIRE INCLUDES A PHOTOCELL OR WIRELESS CONTROL THAT USES A NEMA STANDARD PHOTOCELL RECEPTACLE.

PROVIDE A LUMINAIRE WITH 3G VIBRATION RATING.

PROTECT EACH LUMINAIRE USING A SURGE PROTECTIVE DEVICE (SPD) CONFORMING TO ODOT SUPPLEMENTAL SPECIFICATION 913.

PROVIDE A LUMINAIRE WITH FACTORY-APPLIED BLACK FINISH MEETING SUPPLEMENTAL SPECIFICATION 916.

THE LUMINAIRE SHALL BE ONE OF THE FOLLOWING, OR AN APPROVED EQUAL:

STERNBERG OLD TOWN #PT-A850SRLED-995-12L30T4-MDL008-A-BLOC-BKT
LUMEC SERENADE #S55-35W32LED3K-G3-GL-LE4-UNV-SFX-HS-FN2-BKTX
HOLOPHANE GRANVILLE CLASSIC #GVD3-P20-30K-MVOLT-CLF-GL3LU-BK-CR-TBK-FC-GVDHSL18

PAYMENT FOR ITEM 625, LUMINAIRE, DECORATIVE, AS PER PLAN, SHALL BE AT THE CONTRACT UNIT PRICE OF EACH COMPLETE AND IN PLACE LUMINAIRE INCLUDING ALL HARDWARE AND CONNECTIONS.

ITEM 625, LIGHT POLE, DECORATIVE, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF 625, THIS ITEM OF WORK SHALL CONSIST OF FURNISHING AND INSTALLING COMPLETE DECORATIVE LIGHT POLE ASSEMBLY THAT INCLUDES A FLUTED POLE.

FLUTED TAPERED POLE SHALL BE THE FOLLOWING, OR AN APPROVED EQUAL:
STERNBERG DORADO #D10-12-ETFP6
LUMEC #RTA906F-12
HOLOPHANE #NYC-13-FTB-20D-C03-BK

REFER TO DECORATIVE LIGHT POLE MOUNTING DETAIL FOR CLARIFICATION.

PAYMENT FOR ITEM 625, LIGHT POLE, DECORATIVE, AS PER PLAN, SHALL BE AT THE CONTRACT UNIT PRICE OF EACH COMPLETE AND INPLACE LIGHT POLE ASSEBMLY INCLUDING ALL HARDWARE AND CONNECTIONS.

ITEM 625, LIGHTING, MISC.: FOUR-WAY UNFUSED PERMANENT CONNECTION, AS PER PLAN

PROVIDE 3M SCOTCHCAST MULTI-MOLD RESIN SPLICE KITS 85 SERIES DESIGNED FOR INLINE, 4-WAY SPLICING OF NON-SHIELD CABLE. OR AN APPROVED EQUAL. THIS IS INTENDED TO BE A CONNECTION, UNFUSED PERMANENT FOR USE IN PB-12.

625, DECORATIVE POST-TOP LUMINAIRE, SOLID-STATE (LED), ACORN STYLE, REFRACTIVE GLASS, 3000K, BLACK FINISH

THIS ITEM CONSISTS OF SUPPLYING AND INSTALLING A DECORATIVE POST-TOP LED LUMINAIRE FOR ROADWAY AND/OR SIDEWALK ILLUMINATION ON POSTS OF 16 FEET NOMINAL HEIGHT.

HL-10.11 SHOWS AN ACORN-STYLE POST-TOP LUMINAIRE SCHEMATICALLY. THIS ITEM CONSISTS OF A BASE FITTER, GLASS (NOT ACRYLIC) GLOBE AND A ROUNDED TOP WITH NO DECORATIVE FEATURES SUCH AS FINIAL, CROWN, BAND OR RIBS. PROVIDE A LUMINAIRE WITH A B-U-G UP-LIGHTING RATING OF U4 OR LESS.

PROVIDE A LUMINAIRE COMPATIBLE WITH THE LIGHTING BRANCH CIRCUIT SHOWN IN THE PLANS. ASSURE THE LUMINAIRE POST-FITTER HAS A HINGED OR CAPTIVE DOOR. ASSURE THE LUMINAIRE CAN MOUNT A PHOTOCELL OR WIRELESS CONTROL THAT USES A NEMA STANDARD PHOTOCELL RECEPTACLE.

PROVIDE A LUMINAIRE WITH 3G VIBRATION RATING. PROTECT EACH LUMINAIRE USING A SURGE PROTECTIVE DEVICE (SPD) CONFORMING TO ODOT SUPPLEMENTAL SPEC 913.

ASSURE THE LUMINAIRE HAS A NOMINAL COLOR TEMPERATURE (CCT) OF 3000K.

PROVIDE A LUMINAIRE WITH FACTORY-APPLIED BLACK FINISH MEETING SUPPLEMENTAL SPECIFICATION 916.

PROVIDE A LUMINAIRE LISTED ON THE ODOT SUPPLEMENTAL SPECIFICATION 813 APPROVED LIST.

ARC FLASH CALCULATIONS AND LABEL
THE CONTRACTOR SHALL SATISFY THE REQUIREMENTS OF ODOT SUPPLEMENTAL SPECIFICATION 825 FOR THE CONTOL CENTERS.

LOCATION OF THE ARC FLASH LABEL SHALL BE AT THE GROUND MOUNTED CONTROL CENTER CC-1.

POWER COMPANY: AMERICAN ELECTRIC POWER CO. (DISTRIBUTION)
ADDRESS: 38831 STATE ROUTE 7
REEDVILLE, OHIO 45772

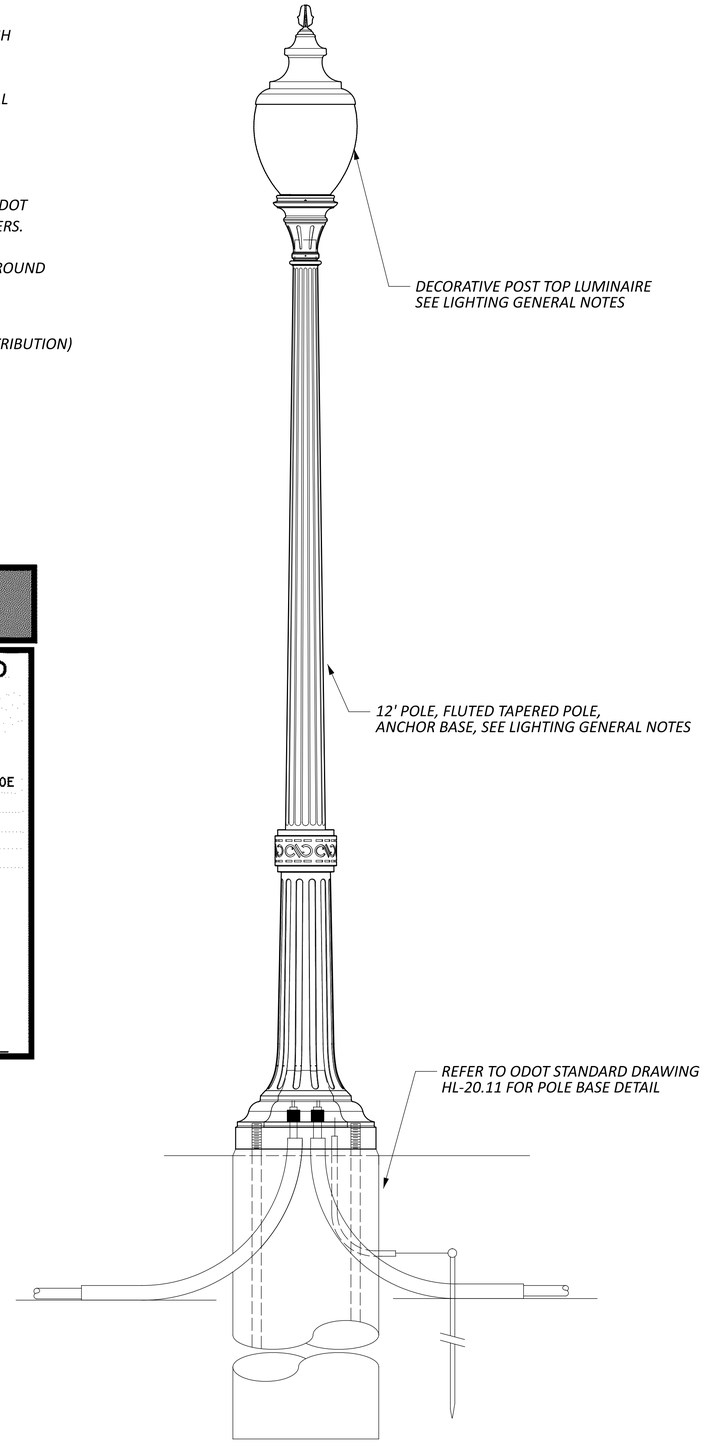
CONTACT NAME: CLARKE SAUNDERS
(740) 985-3054
cmsaunders@aep.com

SAMPLE LABEL

WARNING!

ARC FLASH AND SHOCK HAZARD

240 VAC	Nominal System Voltage
19 inches	Arc Flash Boundary
Cat. 1	Arc-Flash PPE Category [from NFPA 70E Table 130.7(C)(15)(a)]
4cal/cm^2	Min. Arc Rating of Clothing
CC-A	Equipment ID
TUS-77-5.41	Location
ODOT District 11	Maintaining Agency
6/17/2017	Arc Flash Study Date
ZAP Engineering	Arc Flash Study Author
	ADDITIONAL INFORMATION:



DECORATIVE LIGHT POLE MOUNTING DETAIL
SCALE: NTS

LIGHTING GENERAL NOTES

LIC-TR1135-0.58

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/5/2025 TIME: 5:53:58 PM USER: mlfox
C:\Users\mlfox\Dropbox\Project\CONNECT\LIC\119487400-Engineering\Lighting\Sheets\119487_LN001.dgn

DESIGN AGENCY
143Engineers
DESIGNER CMB
REVIEWER CFD 03-26-25
PROJECT ID 119487
SHEET P.103 TOTAL 108

SHEET NO.	STATION			SIDE	POLE/PULL BOX NO.	625 CONNECTION, FUSED PULL APART EACH	625 CONNECTION, UNFUSED PERMANENT EACH	625 LIGHT POLE, MISC.:DECORATIVE, ANCHOR BASE, 12' POLE EACH	625 LIGHT POLE FOUNDATION, 24" X 6' DEEP EACH	625 NO. 10 AWG POLE AND BRACKET CABLE FT	625 LUMINAIRE, MISC.: POST TOP SOL1-ID STATE (L1-ED) DECORATIVE, AON13, 240V EACH	625 CONDUIT, JACKED OR DRILLED, 725.04, 3" FT	625 TRENCH, 24" DEEP FT	625 PULL BOX, 725.08, 18" EACH	625 PULL BOX, 725.08, 24" EACH	625 GROUND ROD EACH	625 UNDERGROUND WARNING/MARKING TAPE FT	625 NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE FT	625 POWER SERVICE, AS PER PLAN EACH	625 CONDUIT, 3"; 725.04 FT	625 ARC FLASH CALCULATIONS AND LABEL EACH	625 LIGHTING, MISC.:FOUR-WAY UNFUSED PERMANENT CONNECTION, AS PER PLAN EACH
	FROM		TO																			
107	STA.53+34.5, 28' RT.			RT	L1-1	2		1	1	34	1					1						
107	STA.53+34.5, 28' RT.		STA.53+10.5, 28' RT	RT	L1-1 - PB-1								24				24	102		24		
107	STA.53+10.5, 28' RT			RT	PB-1		3							1								
107	STA.53+10.5, 28' RT		STA.53+10.5, 33' LT	RT/LT	PB-1 - PB-2							61						213				
107	STA.53+10.5, 33' LT			LT	PB-2		3							1								
107	STA.53+10.5, 28' RT		STA.53+10.5, 33' LT	LT	PB-2 - L1-2								6				6	48		6		
107	STA.53+16.5, 33' LT			LT	L1-2	2		1	1	34	1					1						
107	STA.53+10.5, 33' LT		STA.50+37, 28' RT	LT	PB-2 - PB-3								258				258	804		258		
107	STA.50+52.5, 34' LT			LT	PB-3		3							1								
107	STA.50+37, 28' RT			RT	L1-3	2		1	1	34	1					1						
107	STA.50+37, 28' RT		STA.50+45, 32' RT	RT	L1-3 - PB-4								9				9	57		9		
107	STA.50+45, 32' RT			RT	PB-4		3							1								
107	STA.50+45, 32' RT		STA.50+52.5, 34' LT	LT	PB-4 - PB-3							67						231				
107	STA.50+52.5, 34' LT		STA.50+01,34' LT	LT	PB-3 - PB-5								47				47	171		47		
107	STA.50+06, 36.5' LT			LT	PB-5		3							1								
107	STA.50+01,34' LT			LT	L1-4	2		1	1	34	1					1						
107	STA.50+01,34' LT		STA.50+06, 36.5' LT	LT	L1-4 - PB-5								6				6	48		6		
106-107	STA.50+06, 36.5' LT		STA.47+17.5, 36' LT	LT	PB-5 - PB-6								289				289	897		289		
106	STA.47+17.5, 36' LT			LT	PB-6		3							1								
106	STA.47+00, 29' RT			RT	L1-5	2		1	1	34	1					1						
106	STA.47+00, 29' RT		STA.47+17.5, 29' RT	RT	L1-5 - PB-7								18				18	84		18		
106	STA.47+17.5, 29' RT			RT	PB-7		3							1								
106	STA.47+17.5, 29' RT		STA.47+17.5, 36' LT	LT	PB-7 - PB-6							65						225				
106	STA.47+17.5, 36' LT		STA.46+57.5, 36' LT	LT	PB-6 - PB-8								60				60	210		60		
106	STA.46+57.5, 36' LT			LT	PB-8		3							1								
106	STA.46+57.5, 36' LT		STA.46+57.5, 33' LT	LT	PB-8 - L1-6								3				3	39		3		
106	STA.46+57.5, 33' LT			LT	L1-6	2		1	1	34	1					1						
106	STA.46+57.5, 36' LT		STA.43+61.5,39' LT	LT	PB-8 - PB-9								296				296	918		296		
106	STA.43+61.5,39' LT			LT	PB-9		3							1								
106	STA.43+61.5,39' LT		STA.43+61.5,29' RT	LT/RT	PB-9 - PB-10							68						234				
106	STA.43+61.5,29' RT			RT	PB-10		3							1								
106	STA.43+61.5,29' RT		STA.43+53, 29' RT	RT	PB-10 - L1-7								9				9	57		9		
106	STA.43+53, 29' RT			RT	L1-7	2		1	1	34	1					1						
106	STA.43+61.5,39' LT		STA.43+03.5, 37' LT	LT	PB-9 - PB-11							58						204				
106	STA.43+03.5, 37' LT			LT	PB-11		3							1								
106	STA.43+03.5, 37' LT		STA.43+03.5, 32' LT	LT	PB-11 - L1-8								5				5	45		5		
106	STA.43+03.5, 32' LT			LT	L1-8	2		1	1	34	1					1						
105-106	STA.43+03.5, 37' LT		STA.41+62.5, 33' LT	LT	PB-11 - PB-12							141						453				
105	STA.41+62.5, 33' LT			LT	PB-12		3							1								3
105	STA.41+62.5, 33' LT		STA.41+64, 28' RT	LT/RT	PB-12 - PB-13							61						213				
105	STA.41+64, 28' RT			RT	PB-13		3							1								
105	STA.41+64, 28' RT		STA.41+60, 28' RT	RT	PB-13 - L1-9								4				4	42		4		
105	STA.41+60, 28' RT			RT	L1-9	2		1	1	34	1					1						
105	STA.41+62.5, 33' LT		STA.40+21, 33' LT	LT	PB-12 - PB-14							142						456				
105	STA.40+21, 33' LT			LT	PB-14		3							1								
105	STA.41+62.5, 33' LT		STA.41+62.5,38' LT	LT	PB-12 - L1-10							5						45				
105	STA.41+62.5,38' LT			LT	L1-10	2		1	1	34	1					1						
105	STA.40+21, 33' LT		STA.40+13.5, 35.5' LT	LT	PB-14 - CC-1								8				8	54		8		
105	STA.40+13.5, 35.5' LT			LT	CC-1										1				1		1	
TOTALS CARRIED TO GENERAL SUMMARY						20	42	10	10	340	10	668	1042	14	1	10	1042	5850	1	1042	1	3

PHASE 1
LIGHTING SUBSUMMARY

LIC-TR1135-0.58

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/5/2025 TIME: 5:54:00 PM USER: mlfox
C:\Users\mlfox\Dropbox\ProjectCONNECT\LIC\119487\400-Engineering\Lighting\Sheets\119487_LS001.dgn

DESIGN AGENCY
143Engineers

DESIGNER
CMB

REVIEWER
CFD 03-26-25

PROJECT ID
119487

SHEET P.104 | TOTAL 108

EXIST.	PROP.	PLAN LEGEND
		LIGHTING/POWER POLE
		POWER POLE
		LIGHTING POWER SERVICE
PB-X	*PB-X*	*LIGHTING PULLBOX, IDENTIFICATION NO., 725.08*
L1-X	*L1-X*	*LIGHT POST, CIRCUIT AND POLE IDENTIFICATION NO(S).*
		3" CONDUIT CONTAINING 3 - DISTRIBUTION CABLES (4 AWG CONDUCTORS), 725.04

MATCH LINE STA. - 36+50

MATCH LINE - STA. 42+50

SR-310
HAZELTON ETNA ROAD

PIKE STREET

FUTURE

12" WATERLINE (PER GIS)

12" WATERLINE

CC-1

PB-14

PB-12

PB-13

L1-10

L1-9

37 38 39 40 41 42

HORIZONTAL SCALE IN FEET
0 10 20 40

LIGHTING PLAN
STA. 36+50 - STA. 42+50

LIC-TR1135-0.58

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/5/2025 TIME: 5:54:01 PM USER: mlfox
C:\Users\mlfox\Dropbox\ProjectCONNECT\LIC\119487\400-Engineering\Lighting\Sheets\119487_LP005.dgn

DESIGN AGENCY
143Engineers

DESIGNER
MLF

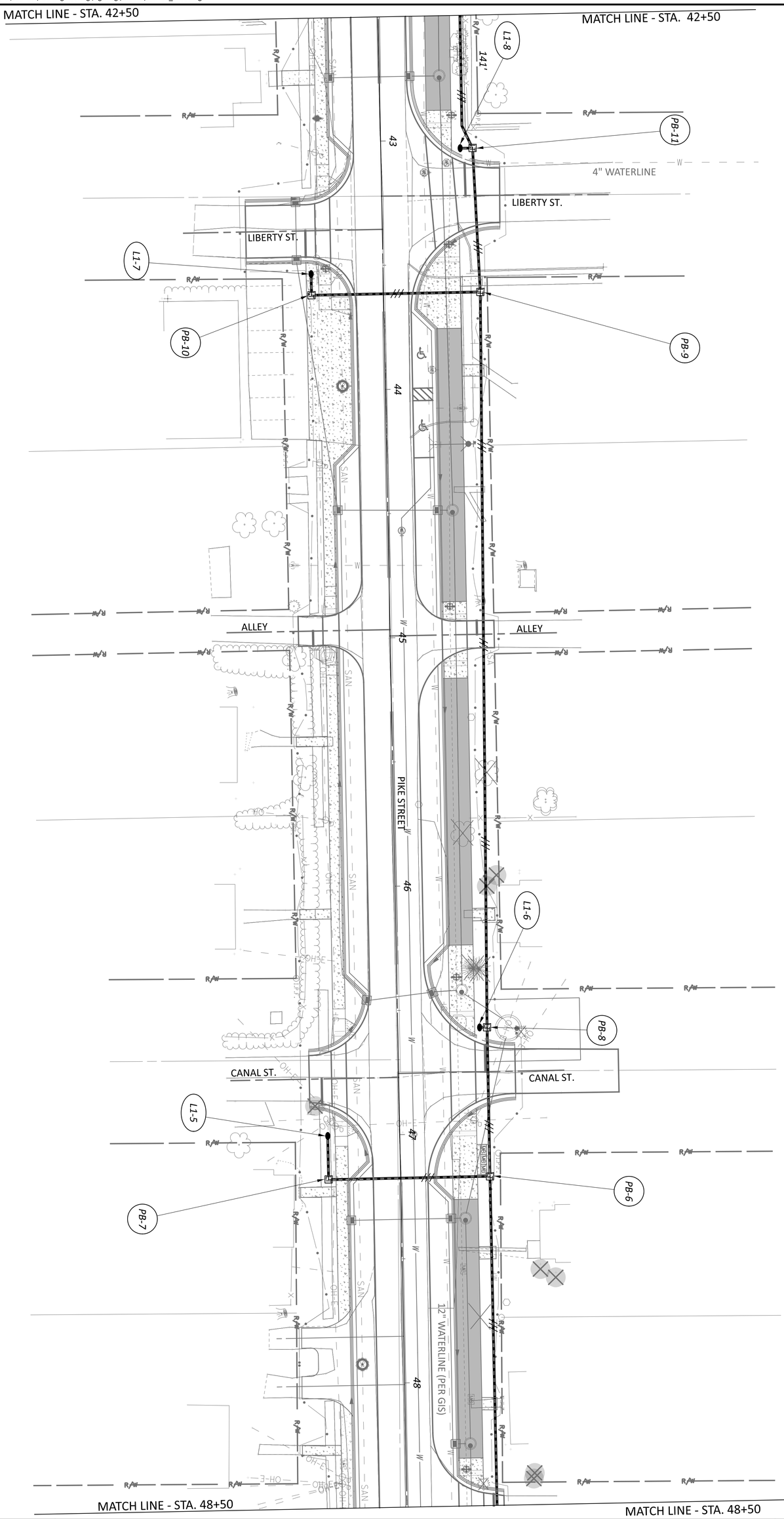
REVIEWER
CFD 03-26-25

PROJECT ID
119487

SHEET P.105 | TOTAL 108

LIC-TR1135-0.58

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/5/2025 TIME: 5:54:02 PM USER: mlfox
C:\Users\mlfox\Dropbox\ProjectCONNECT\LIC\119487\400-Engineering\Lighting\Sheets\119487_LP006.dgn

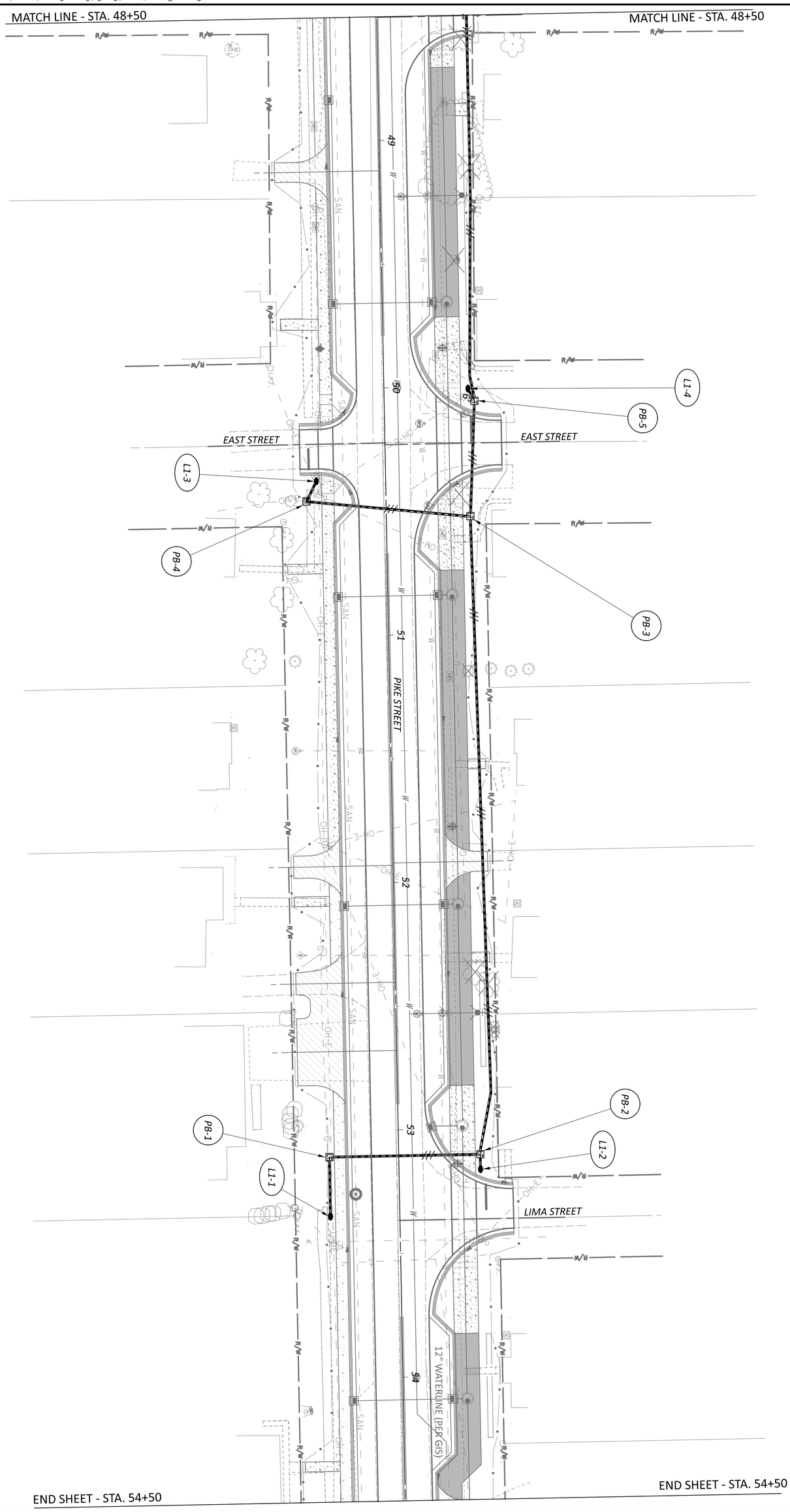


SHEET P.106 / TOTAL 108	PROJECT ID 119487	REVIEWER CFD 03-26-25	DESIGNER MLF	143Engineers DESIGN AGENCY	LIGHTING PLAN STA. 42+50 - STA. 48+50

N

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/5/2025 TIME: 5:54:03 PM USER: mlfox
C:\Users\mlfox\Dropbox\ProjectCONNECT\LIC\119487\400-Engineering\Lighting\Sheets\119487_LP007.dgn



SHEET P.107 / TOTAL 108	PROJECT ID 119487	REVIEWER CFD 03-26-25	DESIGNER MLF	143Engineers DESIGN AGENCY	LIGHTING PLAN STA. 48+50 - STA. 54+50

HORIZONTAL SCALE IN FEET
0 20
10 40

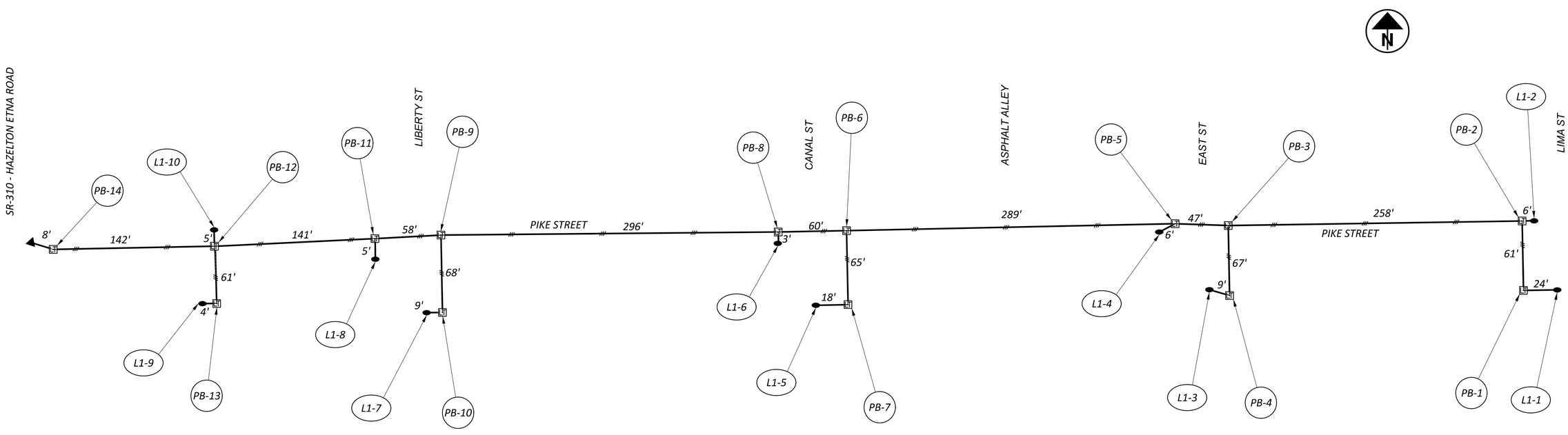
CIRCUIT "L1"
VOLTAGE: 240V
WIRE FACTOR USED (TWO NO. 4 AWG WIRES): 0.62 OHMS/MFT/1000

Section			Amperes		Ampere-Feet	AWG	Voltage Drop		% Drop	At Point
From	To	Design Feet	At Point	Accum.			In Section	Accum.		
L1-1	PB-1	34	0.16	0.16	6	4	0.00	1.52	0.63	L1-1
PB-1	PB-2	71	0.00	0.16	12	4	0.01	1.52	0.63	PB-1
L1-2	PB-2	16	0.16	0.16	3	4	0.00	1.51	0.63	L1-2
PB-2	PB-3	268	0.00	0.33	87	4	0.05	1.51	0.63	PB-2
L1-3	PB-4	19	0.16	0.16	3	4	0.00	1.46	0.61	L1-3
PB-4	PB-3	77	0.00	0.16	13	4	0.01	1.45	0.61	PB-4
PB-3	PB-5	57	0.00	0.49	28	4	0.02	1.45	0.60	PB-3
L1-4	PB-5	16	0.16	0.16	3	4	0.00	1.43	0.60	L1-4
PB-5	PB-6	299	0.00	0.65	194	4	0.12	1.43	0.59	PB-5
L1-5	PB-7	28	0.16	0.16	4	4	0.00	1.31	0.54	L1-5
PB-7	PB-6	75	0.00	0.16	12	4	0.01	1.30	0.54	PB-7
PB-6	PB-8	70	0.00	0.81	57	4	0.04	1.30	0.54	PB-6
L1-6	PB-8	13	0.16	0.16	2	4	0.00	1.26	0.53	L1-6
PB-8	PB-9	306	0.00	0.98	298	4	0.18	1.26	0.53	PB-8
L1-7	PB-10	19	0.16	0.16	3	4	0.00	0.54	0.23	L1-7
PB-10	PB-9	78	0.00	0.16	13	4	0.01	0.54	0.23	PB-10
PB-9	PB-11	68	0.00	1.14	77	4	0.05	0.53	0.22	PB-9
L1-8	PB-11	15	0.16	0.16	2	4	0.00	0.48	0.20	L1-8
PB-11	PB-12	151	0.00	1.30	196	4	0.12	0.48	0.20	PB-11
L1-9	PB-13	14	0.16	0.16	2	4	0.00	0.18	0.08	L1-9
PB-13	PB-12	71	0.00	0.16	12	4	0.01	0.18	0.08	PB-13
L1-10	PB-12	15	0.16	0.16	2	4	0.00	0.18	0.07	L1-10
PB-12	PB-14	152	0.00	1.63	246	4	0.15	0.18	0.07	PB-12
PB-14	CC-1	23	0.00	1.63	37	4	0.02	0.02	0.01	PB-14

THE TABLE ABOVE USES A PLAN SPECIFIED LED LUMINAIRE, WITH THE HIGHEST AMPERAGE INPUT.

CONTROL CENTER DATA									
CONTROL CENTER DESIGNATION	LINE VOLTS	CONNECTED LOAD (KVA)	SERVICE ENTRANCE CONDUCTOR SIZE - AWG	ENCLOSURE RATING (AMPS)	CIRCUIT NO.	CIRCUIT LOAD AMPS	CIRCUIT FUSE SIZE AMPS	CIRCUIT CABLE SIZE AWG	MAINTAINING AGENCY
CC-1	240	0.8	4	60	L1 (PHASE 1)	1.63	10	4	ETNA Township
					L2 (PHASE 2)	1.63	10	4	
					-	-	-	-	

THE TABLE ABOVE USES A PLAN SPECIFIED LED LUMINAIRE, WITH THE HIGHEST AMPERAGE INPUT.
THE TABLE ABOVE REFLECTS A FUTURE CIRCUIT L2 (PHASE 2) TO AID IN THE SELECTION OF THE PROPER SIZE CONTROL CENTER.



NOT TO SCALE

CIRCUIT DIAGRAM & CONTROL CENTER DATA

DESIGN AGENCY
143Engineers

DESIGNER
CMB

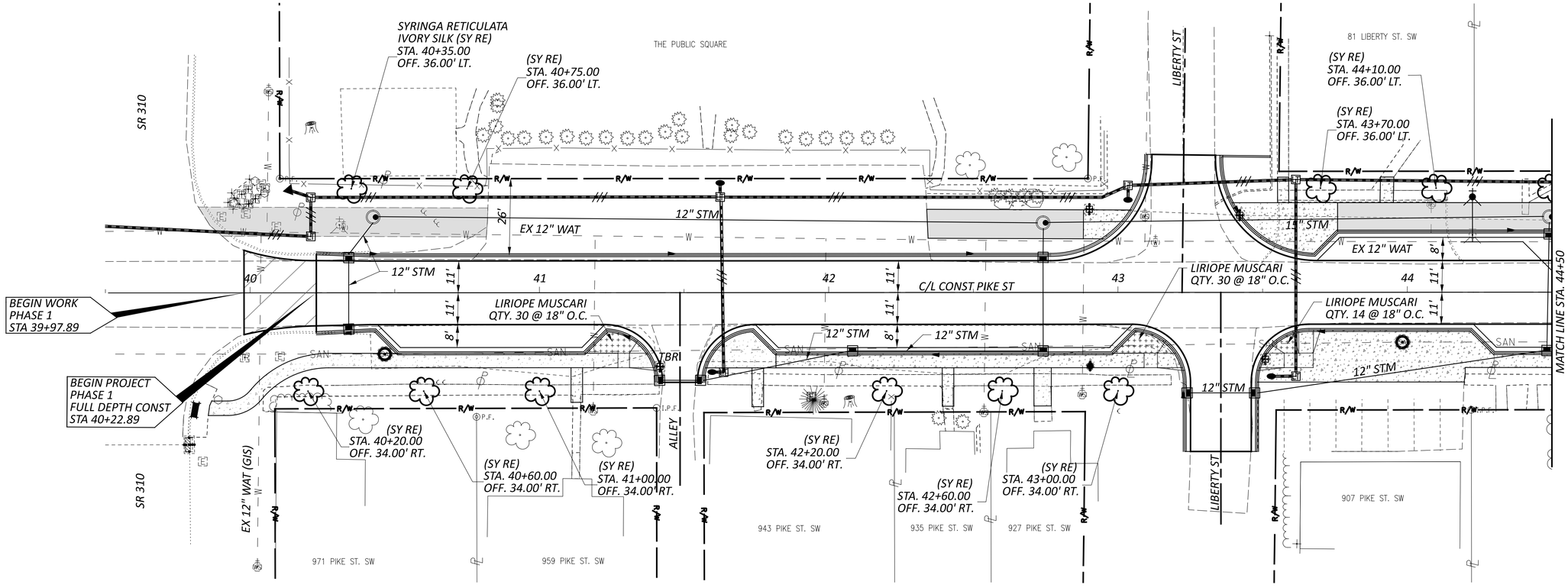
REVIEWER
CFD 03-26-25

PROJECT ID
119487

SHEET P.108 | TOTAL 108

LIC-TR1135-0.58

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 5/6/2025 TIME: 5:54:04 PM USER: mlfox
C:\Users\mlfox\Dropbox\Project\CONNECT\LIC\119487\400-Engineering\Lighting\Sheets\119487_LC001.dgn



LIGHTING CONDUIT:
LOCATE LIGHTING CONDUIT PRIOR TO PLANTING TREES. TREES MUST BE A MIN. OF 5' FROM EDGE OF SUP OR WALK.

LEGEND

GROUNDCOVER

TREE

*** SEE PLANT SCHEDULE ON SHEET L6*

NOTE:
THE SELECTION OF TREES WAS BASED ON MATURE HEIGHT AND SPREAD THE TREES ON THE SOUTH SIDE OF PIKE STREET ARE UNDER POWER LINES AND NEED TO STAY BELOW THE MAXIMUM 25' HEIGHT WHEN MATURE. IF, FOR ANY REASON, A TREE SPECIES NEEDS TO BE RE-EVALUATED, PLEASE CONTACT MKSK FOR AN ALTERNATIVE.

HORIZONTAL SCALE IN FEET
0 10 20 40

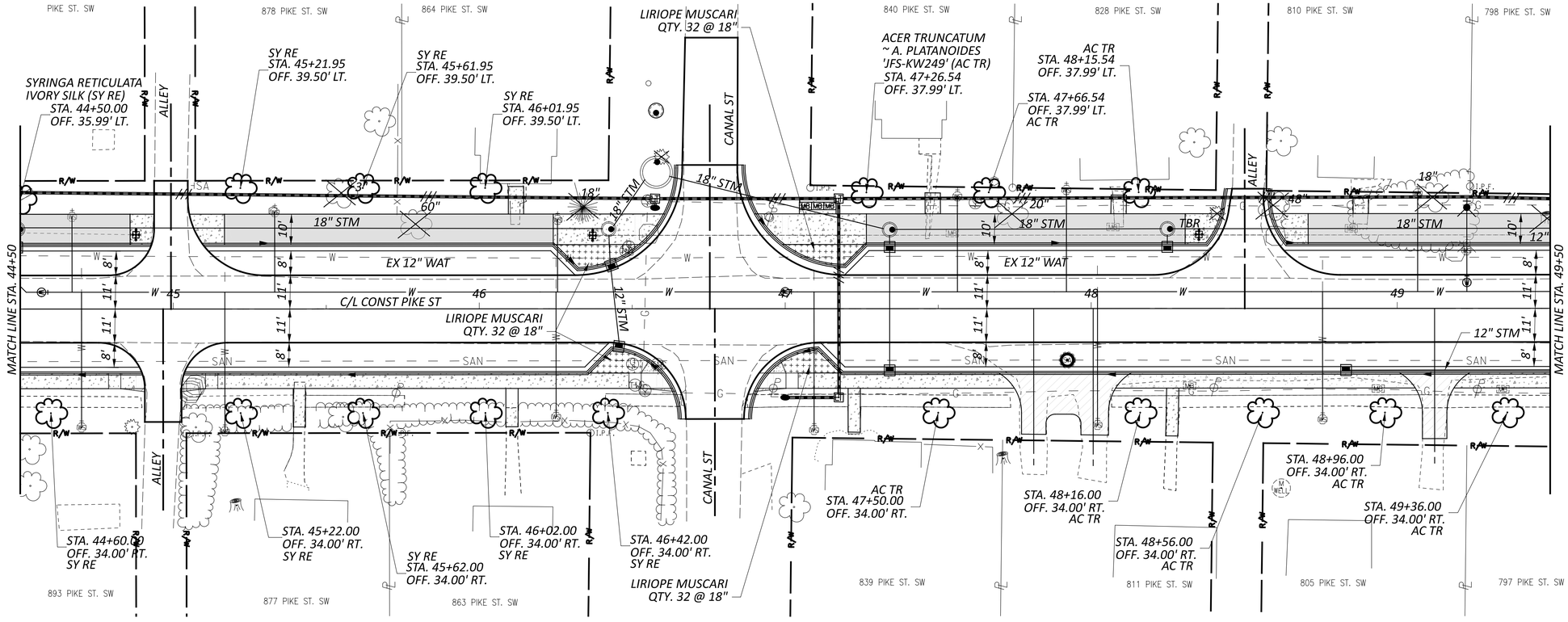
LANDSCAPING PLAN - PIKE STREET
STA 39+50 TO STA 44+50

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.441.4455
FAX: 614.300.0023

DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET L1 TOTAL L6

LIC-TR1135-0.58

MODEL: CLP_3 - Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:17:24 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Landscaping\Sheets\119487_PP101.dgn



LIGHTING CONDUIT:
LOCATE LIGHTING CONDUIT PRIOR TO PLANTING TREES. TREES MUST BE A MIN. OF 5' FROM EDGE OF SUP OR WALK.

LEGEND

GROUNDCOVER

TREE

*** SEE PLANT SCHEDULE ON SHEET L6*

NOTE:
THE SELECTION OF TREES WAS BASED ON MATURE HEIGHT AND SPREAD THE TREES ON THE SOUTH SIDE OF PIKE STREET ARE UNDER POWER LINES AND NEED TO STAY BELOW THE MAXIMUM 25' HEIGHT WHEN MATURE. IF, FOR ANY REASON, A TREE SPECIES NEEDS TO BE RE-EVALUATED, PLEASE CONTACT MKSK FOR AN ALTERNATIVE.

HORIZONTAL SCALE IN FEET
0 10 20 40

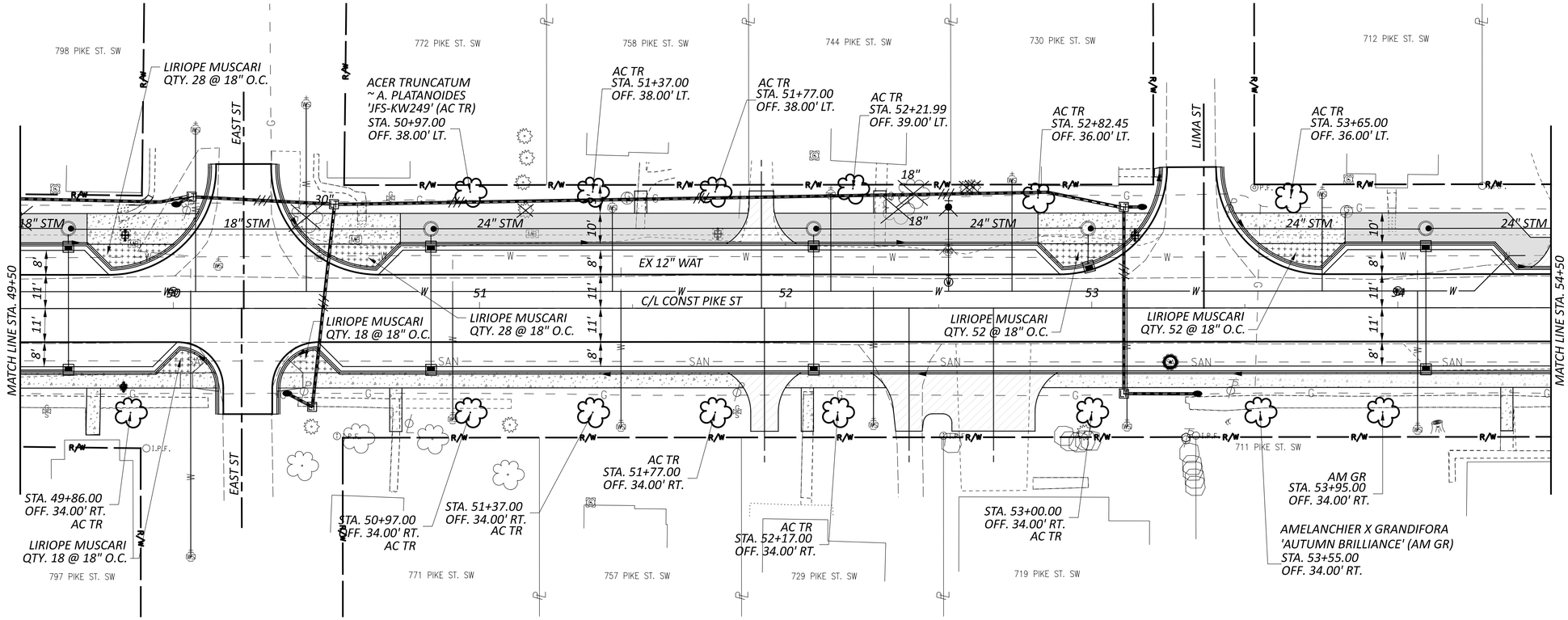
LANDSCAPING PLAN - PIKE STREET STA 44+50 TO STA 49+50

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 740.344.4551
FAX: 614.300.0023

DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET L2 TOTAL L6

LIC-TR1135-0.58

MODEL: CLP_3 - Plan 2 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:17:27 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Landscaping\Sheets\119487_PP102.dgn



LIGHTING CONDUIT:
LOCATE LIGHTING CONDUIT PRIOR TO PLANTING TREES. TREES MUST BE A MIN. OF 5' FROM EDGE OF SUP OR WALK.

LEGEND

GROUNDCOVER

TREE

*** SEE PLANT SCHEDULE ON SHEET L6*

NOTE:
THE SELECTION OF TREES WAS BASED ON MATURE HEIGHT AND SPREAD THE TREES ON THE SOUTH SIDE OF PIKE STREET ARE UNDER POWER LINES AND NEED TO STAY BELOW THE MAXIMUM 25' HEIGHT WHEN MATURE. IF, FOR ANY REASON, A TREE SPECIES NEEDS TO BE RE-EVALUATED, PLEASE CONTACT MKSK FOR AN ALTERNATIVE.

HORIZONTAL SCALE IN FEET
0 10 20 40

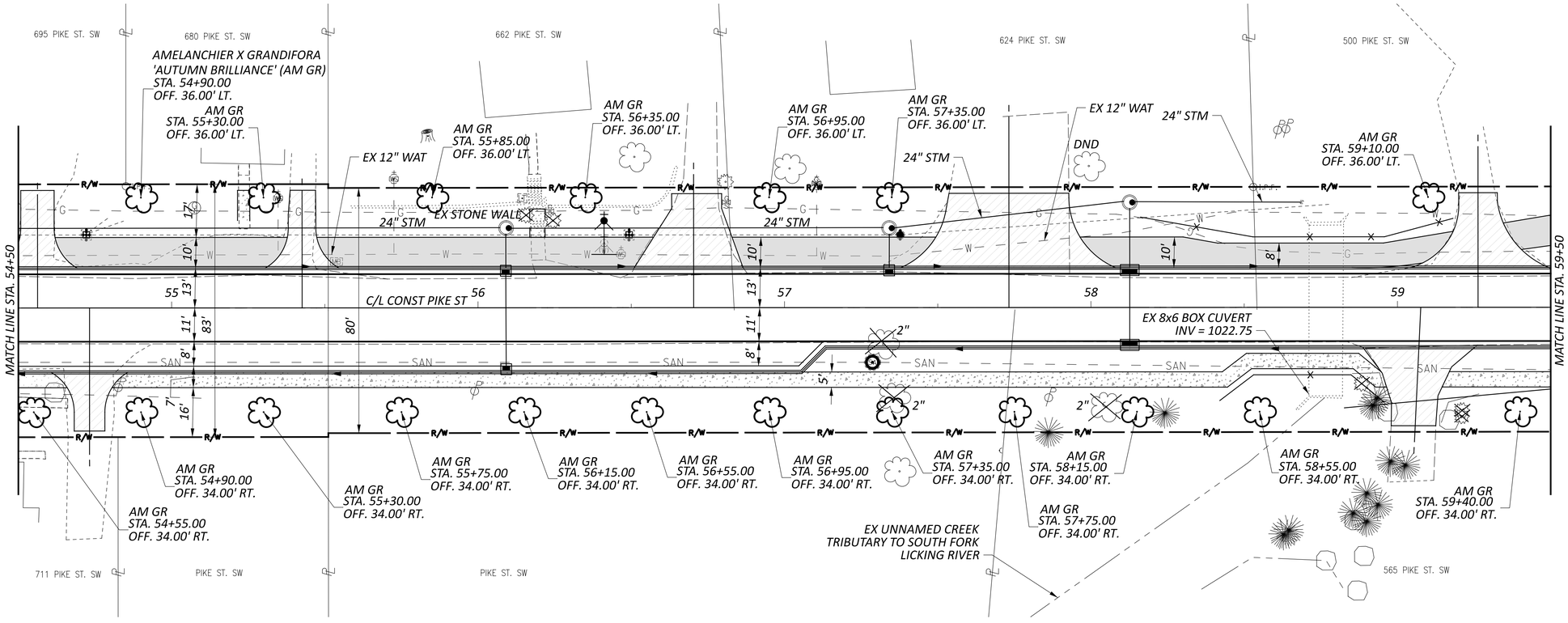
LANDSCAPING PLAN - PIKE STREET STA 49+50 TO STA 54+50

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.440.4455
FAX: 614.300.0023

DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET L3 TOTAL L6

LIC-TR1135-0.58

MODEL: CLP_3 - Plan 3 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:17:29 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Landscaping\Sheets\119487_PP103.dgn



HORIZONTAL SCALE IN FEET
0 10 20 40

LEGEND

GROUNDCOVER

TREE

*** SEE PLANT SCHEDULE ON SHEET L6*

NOTE:
THE SELECTION OF TREES WAS BASED ON MATURE HEIGHT AND SPREAD. THE TREES ON THE SOUTH SIDE OF PIKE STREET ARE UNDER POWER LINES AND NEED TO STAY BELOW THE MAXIMUM 25' HEIGHT WHEN MATURE. IF, FOR ANY REASON, A TREE SPECIES NEEDS TO BE RE-EVALUATED, PLEASE CONTACT MKSK FOR AN ALTERNATIVE.

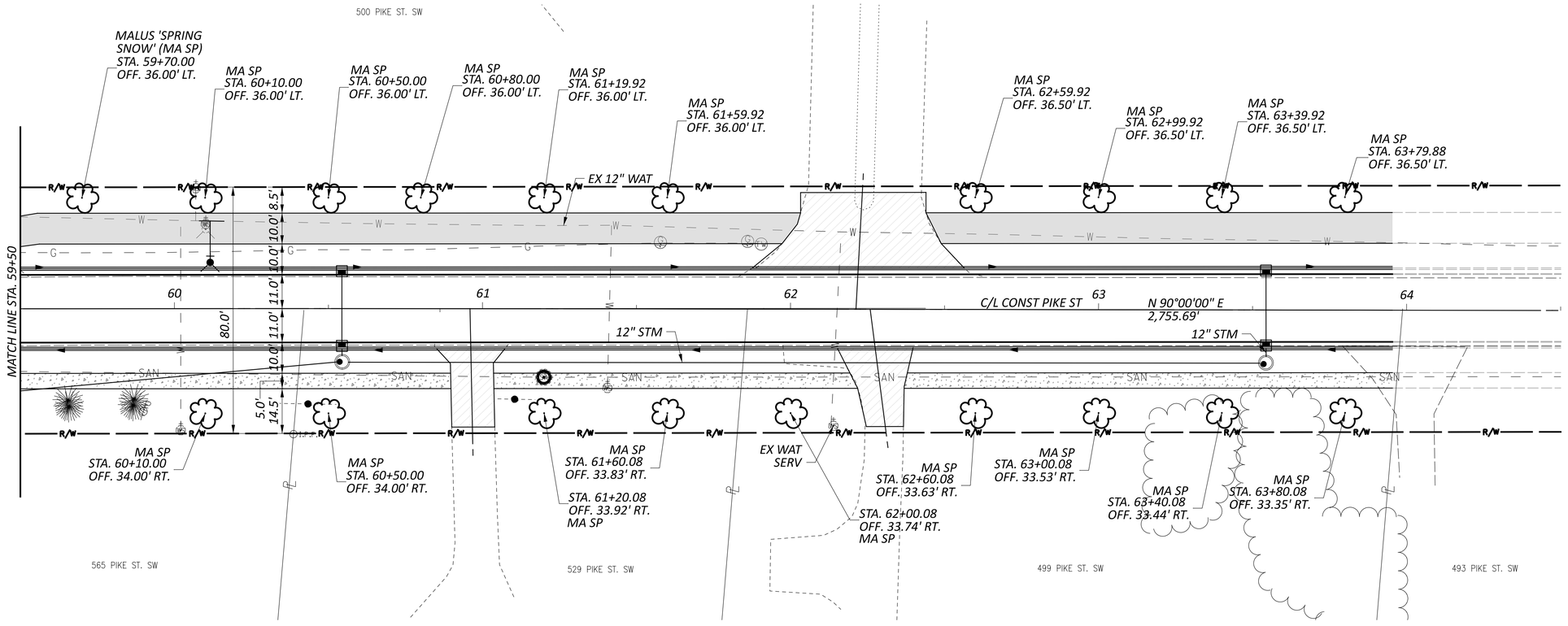
LANDSCAPING PLAN - PIKE STREET
STA 54+50 TO STA 59+50

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
PH: 614.360.4525
FAX: 614.360.0023

DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET L4 TOTAL L6

LIC-TR1135-0.58

MODEL: CLP_3 - Plan 4 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:17:32 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Landscaping\Sheets\119487_PP104.dgn



HORIZONTAL SCALE IN FEET
0 10 20 40

LEGEND

GROUNDCOVER

TREE

*** SEE PLANT SCHEDULE ON SHEET L6*

NOTE:
THE SELECTION OF TREES WAS BASED ON MATURE HEIGHT AND SPREAD THE TREES ON THE SOUTH SIDE OF PIKE STREET ARE UNDER POWER LINES AND NEED TO STAY BELOW THE MAXIMUM 25' HEIGHT WHEN MATURE. IF, FOR ANY REASON, A TREE SPECIES NEEDS TO BE RE-EVALUATED, PLEASE CONTACT MKSK FOR AN ALTERNATIVE.

LANDSCAPING PLAN - PIKE STREET
STA 59+50 TO STA 63+95

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.645.4455
FAX: 614.360.0023

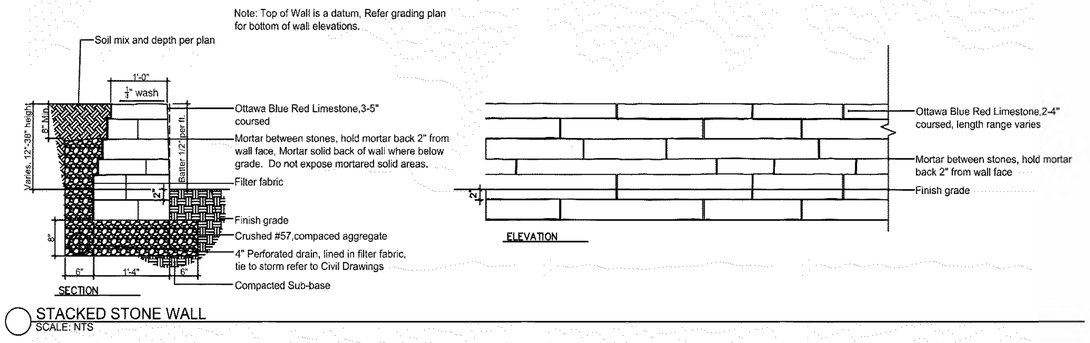
DESIGNER MRO
REVIEWER SRH 05/16/25
PROJECT ID 119487
SHEET L5 TOTAL L6

LIC-TR1135-0.58

MODEL: CLP_3 - Plan 5 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:17:34 AM USER: morr
F:\Clients\Active\LCT\LCT002\119487\400-Engineering\Landscaping\Sheets\119487_PP105.dgn

MASONRY

DRY WALL - LIMESTONE	12" DEPTH, 3"-5" HEIGHT, +/- 12"- 24" LENGTHS	STONE WALLS PER PLAN	LANG STONE, OTTAWA BLUE RED LIMESTONE, SPLIT FACE OR SEMCO OUTDOOR, CHILTON, SPLIET FACE

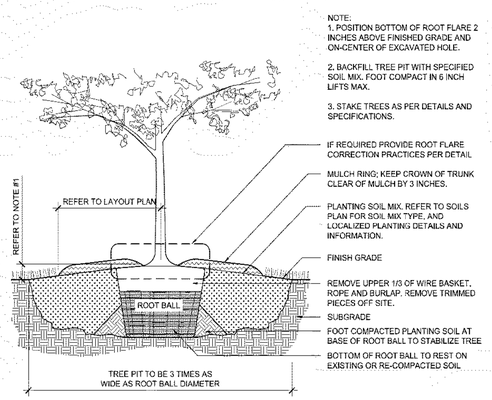


STACKED STONE WALL
SCALE: NTS

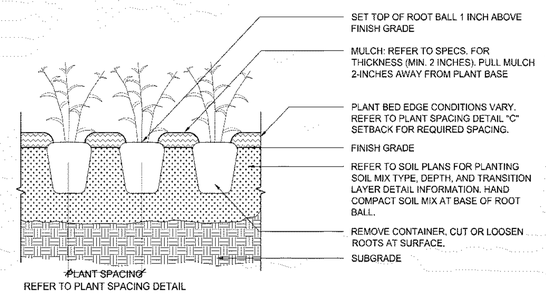


PLANT LIST

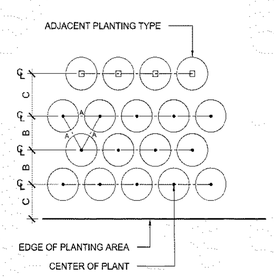
KEY	SCIENTIFIC NAME	COMMON NAME	UNIT	SIZE	SPACING	CONDITION	NOTES
TREES							
AC TR	*ACER TRUNCATUM X A. PLATOIDES 'JFS-KW249'*	RUBY SUNSET MAPLE	EA	2" CAL.	PER PLAN	B&B	TREE, SINGLE STEM
AM GR	*AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'*	AUTUMN BRILLIANCE SERVICEBERRY	EA	2" CAL.	PER PLAN	B&B	TREE, SINGLE STEM
MA SP	*MALUS 'SPRING SNOW'*	ADAM'S FLOWERING CRABAPPLE	EA	2" CAL.	PER PLAN	B&B	TREE, SINGLE STEM
SY RE	*SYRINGA RETICULATA IVORY SILK*	IVORY SILK TREE LILAC	EA	2" CAL.	PER PLAN	B&B	TREE, SINGLE STEM
GROUNDCOVER							
LI MU	*LIRIOPE MUSCARI 'ROYAL PURPLE'*	ROYAL PURPLE LILY TURF	EA	1 GALLON	18" O.C.	CONT.	



TREE PLANTING: LAWNS & MEADOWS
SCALE: NTS



GRASSES / PERENNIALS / GROUND COVER PLANTINGS
SCALE: NTS



"C"= 30" SETBACK FOR SHRUBS
18" SETBACK FOR PERENNIALS
12" SETBACK FOR GROUNDCOVER
OR PER PLANTING PLANS

TRIANGULAR SPACING = A	DISTANCE BETWEEN ROW = B	TOTAL AREA (SF) PER PLANT
6"	5"	0.21
8"	7"	0.39
9"	8"	0.50
10"	8 1/2"	0.59
12" (1')	10 1/2"	0.89
15"	13"	1.35
18"	15 1/2"	1.94
21"	18"	2.63
24" (2')	21"	3.50
30"	26"	5.42
36" (3')	31"	7.80
48" (4')	42"	13.84

NOTE:
LAYOUT PLANTS ALONG PERIMETER OF PLANTING BED FIRST, PARALLEL TO AND UNIFORMLY OFFSET FROM EDGE OF BED. FILL OUT INTERIOR OF BED ON UNIFORM GRID AS SHOWN. UNLESS OTHERWISE INDICATED ON THE PLANTING PLANS.

PLANT SPACING, TRIANGULAR LAYOUT
SCALE: NTS

LANDSCAPE DETAILS

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
PH 614.360.0023
FAX 614.360.0023

DESIGNER XXX
REVIEWER XXX 05/16/25
PROJECT ID 119487
SHEET L6 TOTAL L6

CTY-RTE-SECTION

MODEL: Sheet_Surv1 PAPERSIZE: 34x22 (in.) DATE: 5/16/2025 TIME: 10:17:35 AM USER: morr
F:\Clients\Active\LCTLCT0021119487\400-Engineering\Landscaping\Sheets\119487_PD001.dgn

PROJECT DESCRIPTION

THIS SOIL PROFILE HAS BEEN PREPARED FOR ROAD WIDENING ALONG THE NORTH AND SOUTH SIDES OF PIKE STREET AND THE EXISTING PAVEMENT RECONSTRUCTION, IN ETNA TOWNSHIP, LICKING COUNTY, OHIO, PID NO. 119487. .

HISTORIC RECORDS

NO HISTORICAL GEOTECHNICAL RECORD WERE FOUND FOR THIS PROJECT.

GEOLOGY

ACCORDING TO PUBLISHED GEOLOGIC MAPS FROM THE OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR), AT CURRENT PROJECT SITE THE SURFICIAL DEPOSITS ARE PREDOMONATELY COMPRISED OF LATE WISCONSINAN (LATE WOODFORDIAN ICE DEPOSITS) GROUND MORAINE AND END MORAINE. THESE DEPOSITS REFLECT THE INFLUENCE OF GLACIAL ACTIVITY DURING THE PLEISTOCENE EPOCH. THE THICKNESS OF THESE DEPOSITS VARIES, TYPICALLY RANGING FROM 10 TO 50 FEET. GROUND MORAINE CONSISTS OF A MIXTURE OF CLAY, SILT, SAND, AND GRAVEL, DEPOSITED DIRECTLY BY GLACIAL ICE AND IS POORLY SORTED. END MORAINE, FORMED AT THE TERMINUS OF A GLACIER, IS COMPOSED OF SIMILAR MATERIALS BUT IT IS MORE STRUCTURED, INDICATING THE GLACIER'S ADVANCE AND RETREAT. THESE SURFICIAL MATERIALS ARE RELATIVELY YOUNG, DATING BACK TO THE LAST GLACIAL PERIOD, APPROXIMATELY 12,000 TO 20,000 YEARS AGO.

THE BEDRTOCK PREDOMINATLY COMPRISED OF LOGAN FORMATION MAXVILLE LIMESTONE, DATING BACK TO THE MISSISSIPPIAN AGE. THIS BEDROCK IS PRIMARILY COMPOSED OF LIMESTONE, WHICH IS RICH IN CALCIUM CARBONATE, INDICATING A HISTORICAL MARINE ENVIRONMENT. OVERLYING THIS LIMESTONE ARE INTERBEDDED LAYERS OF SHALE AND SANDSTONE. THE SHALE, COMPOSED OF FINE-GRAINED CLAY MINERALS, AND THE SANDSTONE, FORMED FROM COMPACTED SAND GRAINS, SUGGEST ALTERNATING PERIODS OF DEEPER MARINE AND DELTAIC CONDITIONS.

RECONNAISSANCE

THE SITE RECONNAISSANCE WAS CONDUCTED ON OCTOBER 17, 2024. THE PROJECT COMPRISED APPROXIMATELY A ½ MILE-LONG SEGMENT OF PIKE STREET SOUTHWEST, ETNA, OHIO, RUNNING THROUGH A RESIDENTIAL AREA. THE ASSESSMENT INVOLVED DRILLING 5 BOREHOLES ALONG THE IDENTIFIED SEGMENT AND INSPECTING THE CONDITION OF THE PAVEMENT.

DURING THE RECONNAISSANCE, NOTABLE TRANSVERSE CRACKS WERE OBSERVED BETWEEN BOREHOLES B-008-0-24 TO B-012-0-24. A SIGNIFICANT LONGITUDINAL CRACK RUNS THROUGH THE CENTER OF THE ROAD FOR THE ENTIRETY OF THE ½ MILE SEGMENT. THIS CRACK PRESENTS A CONTINUOUS LINE OF DISTRESS ALONG THE CENTER, WHICH MAY AFFECT THE STRUCTURAL INTEGRITY OF THE PAVEMENT. AT THE TIME OF RECONNAISSANCE, NO POTHOLES OR ALLIGATOR CRACKS WERE NOTED.

PIKE STREET IS TWO-LANE, ONE-WAY ROAD WITH NO MEDIAN, ONLY MARKED WITH LANE LINES. THE ABSENCE OF A MEDIAN SUGGESTS THAT TRAFFIC FLOW IS DIRECTED IN A SINGLE DIRECTION, WHICH MAY CONTRIBUTE TO THE STRESS DISTRIBUTION OBSERVED ALONG THE PAVEMENT. THIS VARIATION IN CRACK WIDTH MAY BE INDICATIVE OF DIFFERENT STRESS LEVELS OR IMPACTS AFFECTING VARIOUS AREAS OF THE PAVEMENT.

SUBSURFACE EXPLORATION

THIS EXPLORATION INCLUDED A TOTAL OF FIVE (5) TEST BORINGS DESIGNATED AS BORINGS B-008-0-24 THROUGH B-012-0-24, WHICH WERE PERFORMED BY A. DRILLING SUBCONTRACTOR UNDER CT DIRECTIONS ON OCTOBER 17, 2024. THESE BORINGS ARE FULLY DESIGNATED IN ACCORDANCE WITH ODOT PROTOCOL. HOWEVER, THE "-0-24" PORTION OF THE NOMENCLATURE IS GENERALLY OMITTED FOR EASE OF IDENTIFICATION IN THE DISCUSSIONS WITHIN THIS REPORT. BORINGS B-009 AND B-011 WERE PERFORMED WITHIN THE PAVEMENT PORTION OF THE ROAD, WHILE THE REMAINING BORINGS WERE PERFORMED IN THE GRASS AREA ALONG BOTH SIDES OF THE ROAD.

TEST BORINGS WERE PERFORMED WITH A B-75 ATV-MOUNTED DRILL RIG. THESE BORINGS WERE EXTENDED UTILIZING 3¼-INCH INSIDE-DIAMETER HOLLOW-STEM AUGERS. SAMPLES WERE OBTAINED CONTINUOUSLY USING 18-INCH SPLIT-SPOON (SS) SAMPLE DRIVES TO A DEPTH OF 7½ FEET BELOW EXISTING GRADES. PRIOR TO THE DRILLING OPERATION COMMENCED, AT THE PAVEMENT BORING LOCATIONS, PAVEMENT CORE DRILLING WAS PERFORMED; WHEN PAVEMENT CORES WERE EXTRACTED, THE STONE BASE WAS AUGERED, AND THICKNESSES WERE MEASURED. THE SAMPLES WERE SEALED IN JARS AND TRANSPORTED TO OUR LABORATORY FOR FURTHER CLASSIFICATION AND TESTING.

EXPLORATION FINDINGS

BASED ON THE RESULTS OF OUR FIELD AND LABORATORY TESTS, THE SUBSOILS ENCOUNTERED UNDERLYING THE SURFACE MATERIALS CAN GENERALLY BE CHARACTERIZED AS A RELATIVELY UNIFORM STRATUM OF FINE-GRAINED COHESIVE SOILS EXTENDING THROUGHOUT EXPLORED DEPTHS. SOME BORINGS ENCOUNTERED ISOLATED SOILS THAT VARIED FROM THE GENERAL PREDOMINATE CONDITIONS. FOR THESE DIFFERENCES, PLEASE REFER TO THE ATTACHED BORING LOGS.

GENERALLY, THE TOP 3 FEET OF THE COHESIVE SOILS WERE NOTED AS APPARENT FILL MATERIALS BUT WERE OF SIMILAR COMPOSITION TO THE UNDERLYING NATIVE COHESIVE SOILS. THE MATERIAL IDENTIFIED AS FILL PREDOMINANTLY CONSISTED OF STIFF TO VERY STIFF COHESIVE SOILS. THE COHESIVE SOILS PREDOMINANTLY CONSISTED OF SILT AND CLAY WITH VARYING AMOUNTS OF SAND AND GRAVEL. IN SOME SAMPLES, THE SAND AND GRAVEL PERCENTAGES INDICATED CLAYEY SAND AND CLAYEY GRAVEL CLASSIFICATION. SPT N60-VALUES RANGED FROM 8 TO 50 BPF. UNCONFINED COMPRESSIVE STRENGTHS RANGED FROM 2.25 TO 4.5+ TONS PER SQUARE FOOT (TSF). MOISTURE CONTENTS RANGED FROM 11 TO 24 PERCENT.

UNDERLYING THE APPARENT FILL MATERIAL TO THE TERMINATION DEPTH OF 7.5 FEET, THE SOILS PREDOMINANTLY CONSISTED OF MEDIUM STIFF TO STIFF COHESIVE SOILS. THE COHESIVE SOILS PREDOMINANTLY CONSISTED OF SILT AND CLAY WITH VARYING AMOUNTS OF SAND AND GRAVEL. SPT N60-VALUES RANGED FROM 8 TO 23 BPF. UNCONFINED COMPRESSIVE STRENGTHS RANGED FROM 1.75 TO 4.5+ TONS PER SQUARE FOOT (TSF). MOISTURE CONTENTS RANGED FROM 7 TO 24 PERCENT.

ADDITIONAL DESCRIPTIONS OF THE STRATIGRAPHY ENCOUNTERED IN THE BORINGS ARE PRESENTED ON THE LOGS OF TEST BORINGS.

LEGEND

	DESCRIPTION	ODOT CLASS	CLASSIFIED MECH./VISUAL	
	CRUSHED STONE WITH SAND	A-1-B	0	1
	SANDY SILT	A-4A	2	2
	SILT AND CLAY	A-6A	5	8
	SILTY CLAY	A-6B	2	0
		TOTAL	9	11

	PAVEMENT OR BASE = X = APPROXIMATE THICKNESS	VISUAL
	SOD AND TOPSOIL = X = APPROXIMATE THICKNESS	VISUAL
	BORING LOCATION - PLAN VIEW.	
	DRIVE SAMPLE AND/OR ROCK CORE BORING PLOTTED TO VERTICAL SCALE ONLY. HORIZONTAL BAR INDICATES A CHANGE IN STRATIGRAPHY.	
WC	INDICATES WATER CONTENT IN PERCENT.	
N_{60}	INDICATES STANDARD PENETRATION RESISTANCE NORMALIZED TO 60% DRILL ROD ENERGY RATIO.	
X/Y/Z	NUMBER OF BLOWS FOR STANDARD PENETRATION TEST (SPT): X= NUMBER OF BLOWS FOR FIRST 6 INCHES. Y= NUMBER OF BLOWS FOR SECOND 6 INCHES. Z= NUMBER OF BLOWS FOR THIRD 6 INCHES.	
W	INDICATES FREE WATER ELEVATION.	
HP	HAND PENETROMETER	
SPT	STANDARD PENETRATION TEST	
SSA	SOLID STEM AUGER	
SS	INDICATES A SPLIT SPOON SAMPLE.	

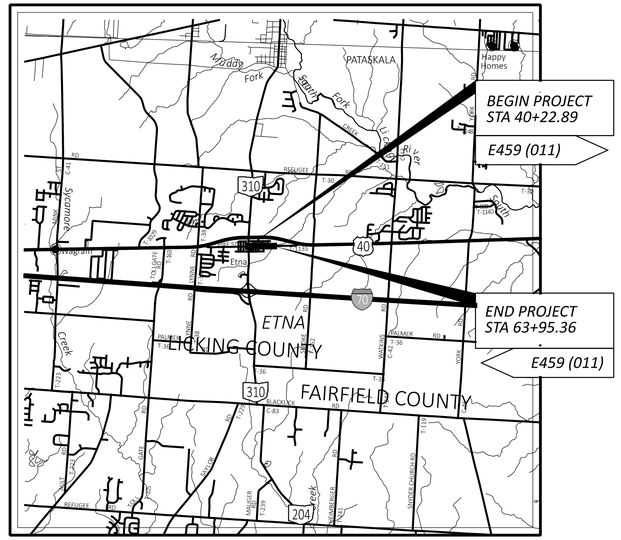
GROUNDWATER WAS NOT ENCOUNTERED DURING DRILLING NOR IMMEDIATELY AFTER COMPLETION OF THE DRILLING PROCESS IN EITHER OF THE BORINGS. IT SHOULD BE NOTED THAT THE BOREHOLES WERE DRILLED AND BACKFILLED WITHIN THE SAME DAY.

SPECIFICATIONS

THIS GEOTECHNICAL EXPLORATION WAS PERFORMED IN ACCORDANCE WITH THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, OFFICE OF GEOTECHNICAL ENGINEERING, SPECIFICATIONS FOR GEOTECHNICAL EXPLORATIONS (SGE), DATED JANUARY 2025.

AVAILABLE INFORMATION

THE SOILAND GROUNDWATER INFORMATION COLLECTED FOR THIS SUBSURFACE EXPLORATION THAT CAN BE CONVENIENTLY DISPLAYED ON THE SOIL PROFILE SHEETS HAS BEEN PRESENTED. GEOTECHNICAL REPORTS, IF PREPARED, ARE AVAILABLE FOR REVIEW ON THE OFFICE OF CONTRACT SALES WEBSITE.



LOCATION MAP

SCALE IN MILES

0 1 2 3 4

N

PARTICLE SIZE DEFINITIONS

12"	3"	2.0 mm	0.42 mm	0.074 mm	0.005 mm
BOULDERS	COBBLES	GRAVEL	COARSE SAND	FINE SAND	SILT	CLAY
		No. 10 SIEVE	No. 40 SIEVE	No. 200 SIEVE		

RECON. - AC - 10/17/2024
DRILLING - AD - 10/17/2024
DRAWN - TLS - 5/2024
REVIEWED - MI - 5/2024

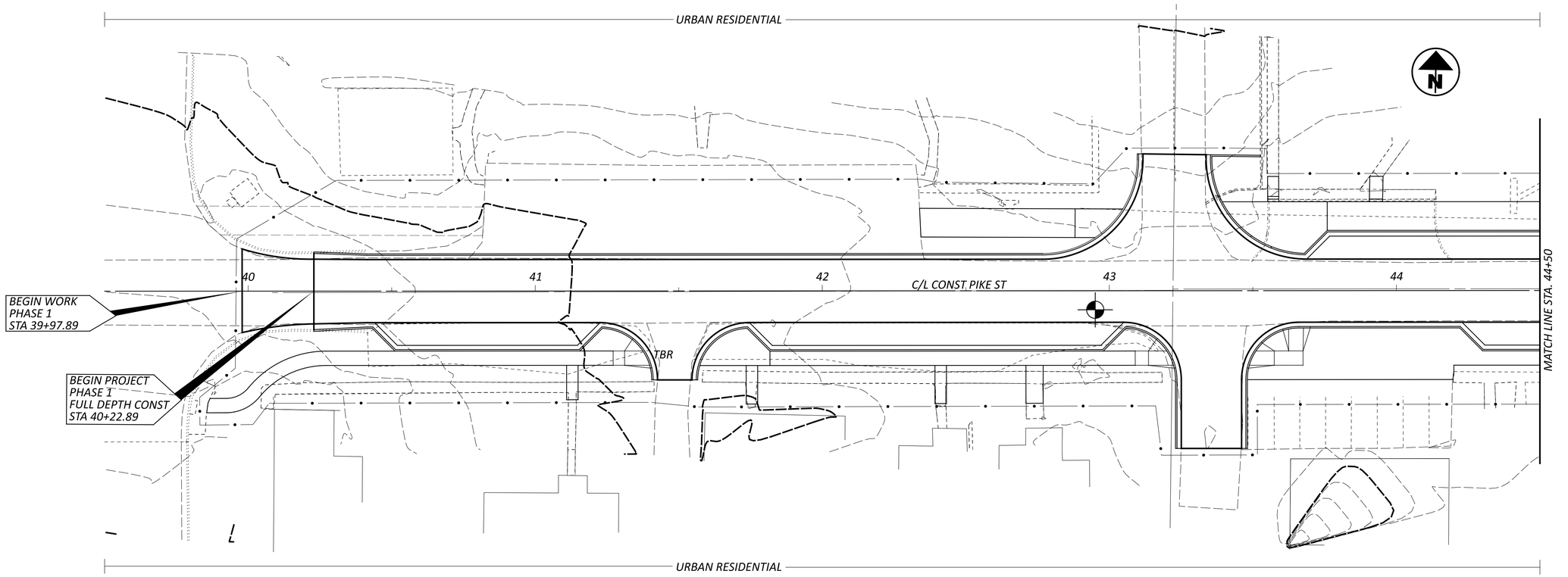
GEOTECHNICAL PROFILE - ROADWAY

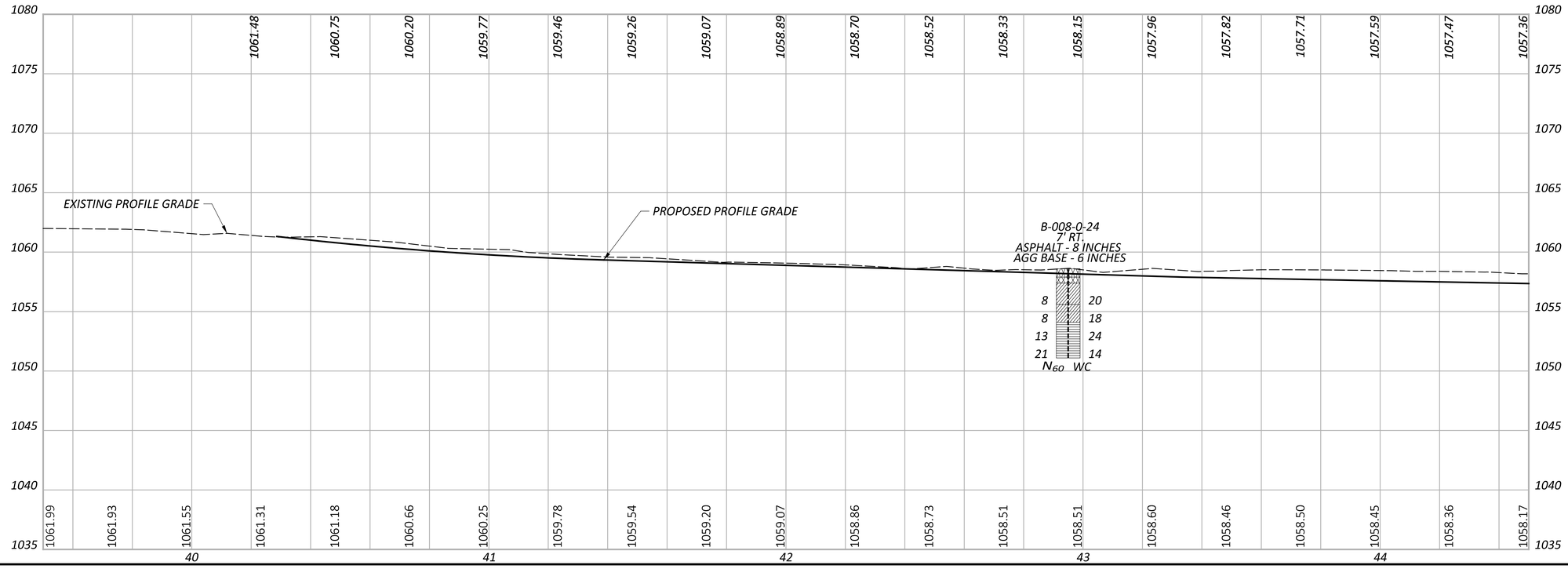
DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL 614.360.6500
FAX 614.360.6023

DESIGNER	TLS
REVIEWER	MI 05/15/25
PROJECT ID	119487
SUBSET / TOTAL	1 / 9
SHEET / TOTAL	P.0 / 0

LIC-TR1135-0.58

MODEL: SOIL TITLE PAPERSIZE: 34x22 (in.) DATE: 5/15/2025 TIME: 9:23:53 AM USER: TSomogyi
C:\Users\ThomasSomogyi\OneDrive - Verdantas\Desktop\119487_JC001.dgn





HORIZONTAL SCALE IN FEET
0 10 20 40

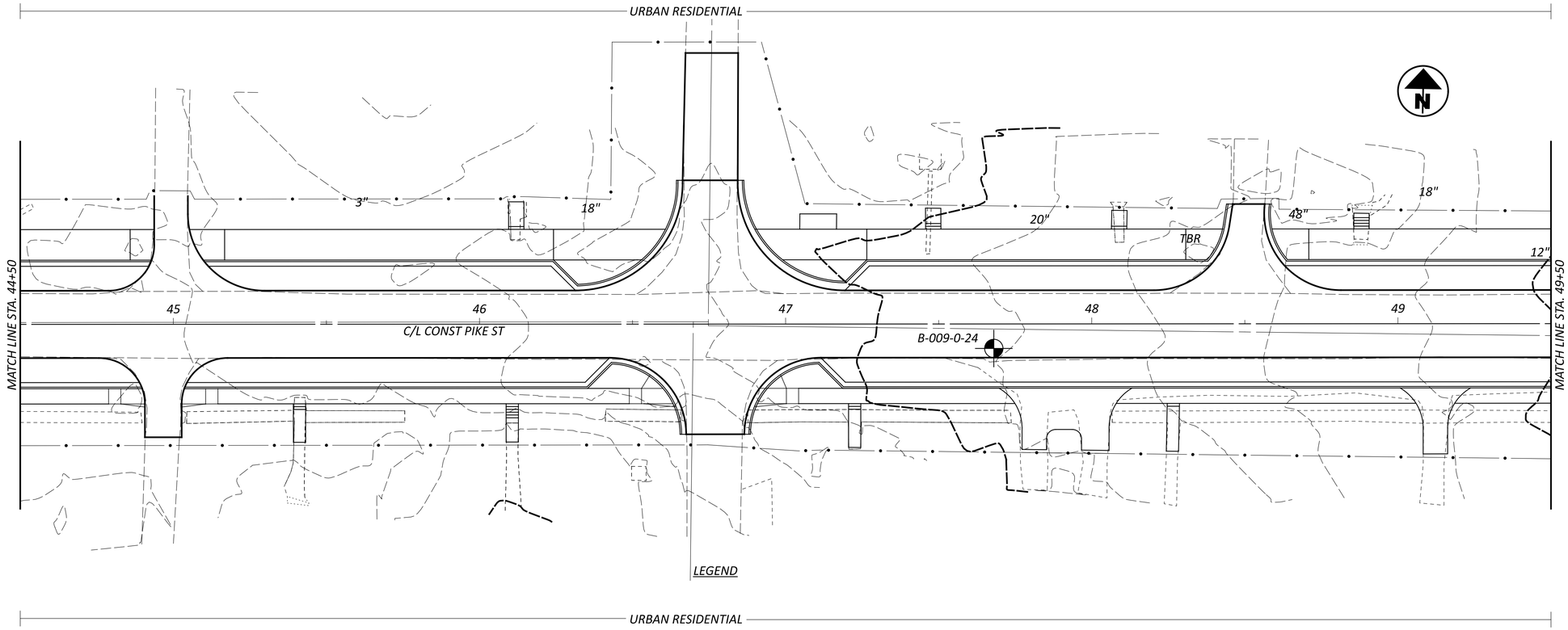
GEOTECHNICAL PROFILE - ROADWAY
STA 39+50 TO STA 44+50 (PIKE ST.)

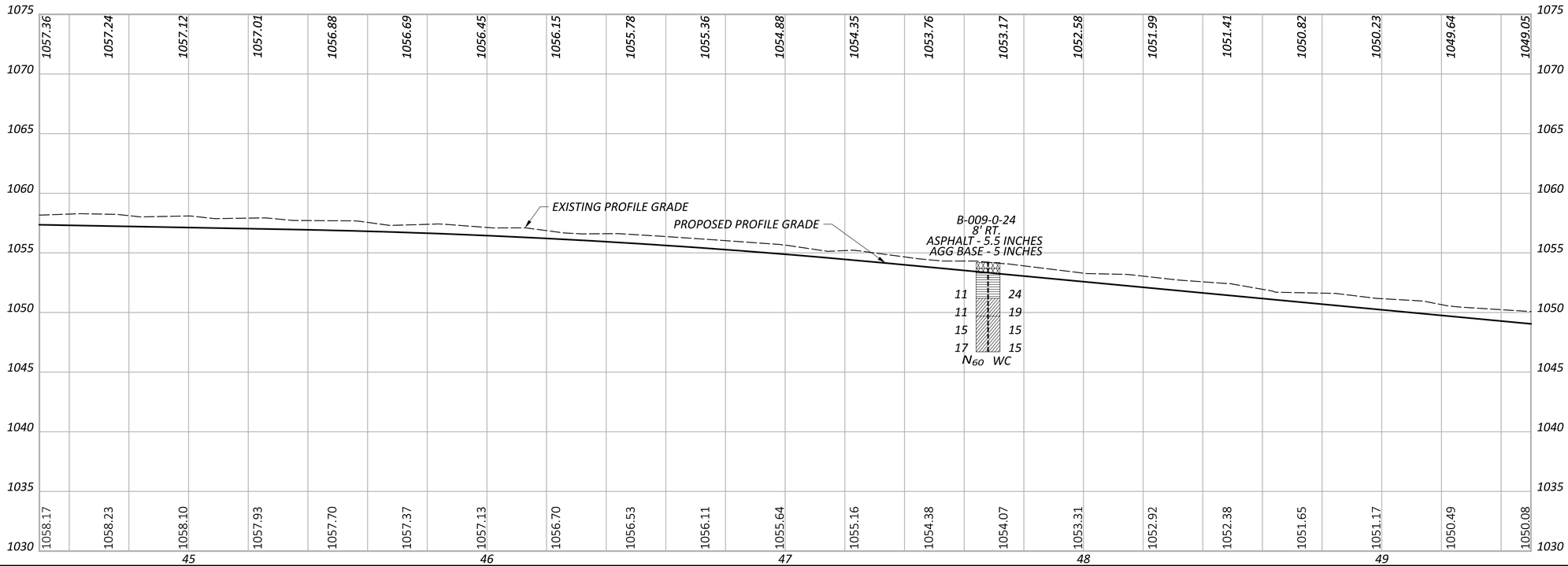
LIC-TR1135-0.58

MODEL: CLP_3 - Plan 1 PAPERSIZE: 34x22 (in.) DATE: 5/15/2025 TIME: 9:23:54 AM USER: TSomogyi
C:\Users\ThomasSomogyi\OneDrive - Verdantas\Desktop\119487_GP101.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL 614.360.4643
FAX 614.360.0023

DESIGNER	TLS
REVIEWER	MI 05/15/25
PROJECT ID	119487
SUBSET	2
TOTAL	9
SHEET	P.0
TOTAL	0





HORIZONTAL SCALE IN FEET
0 10 20 40

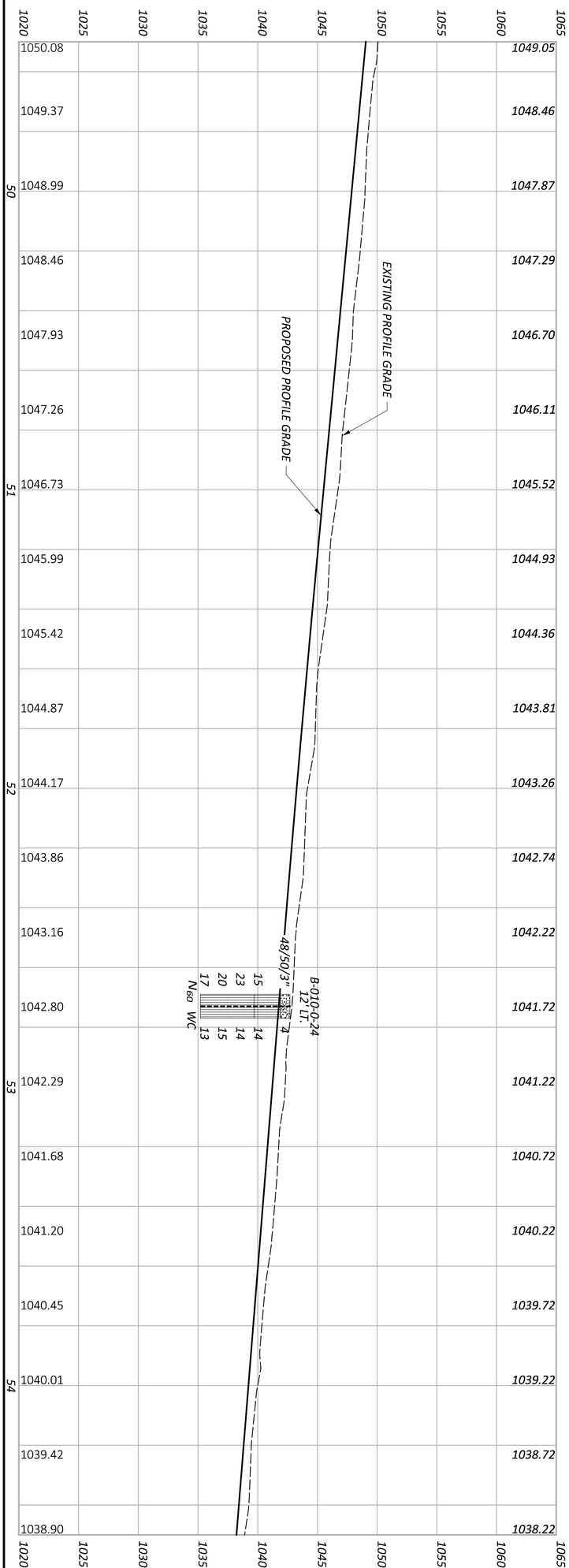
GEOTECHNICAL PROFILE - ROADWAY
STA 44+50 TO STA 49+50 (PIKE ST.)

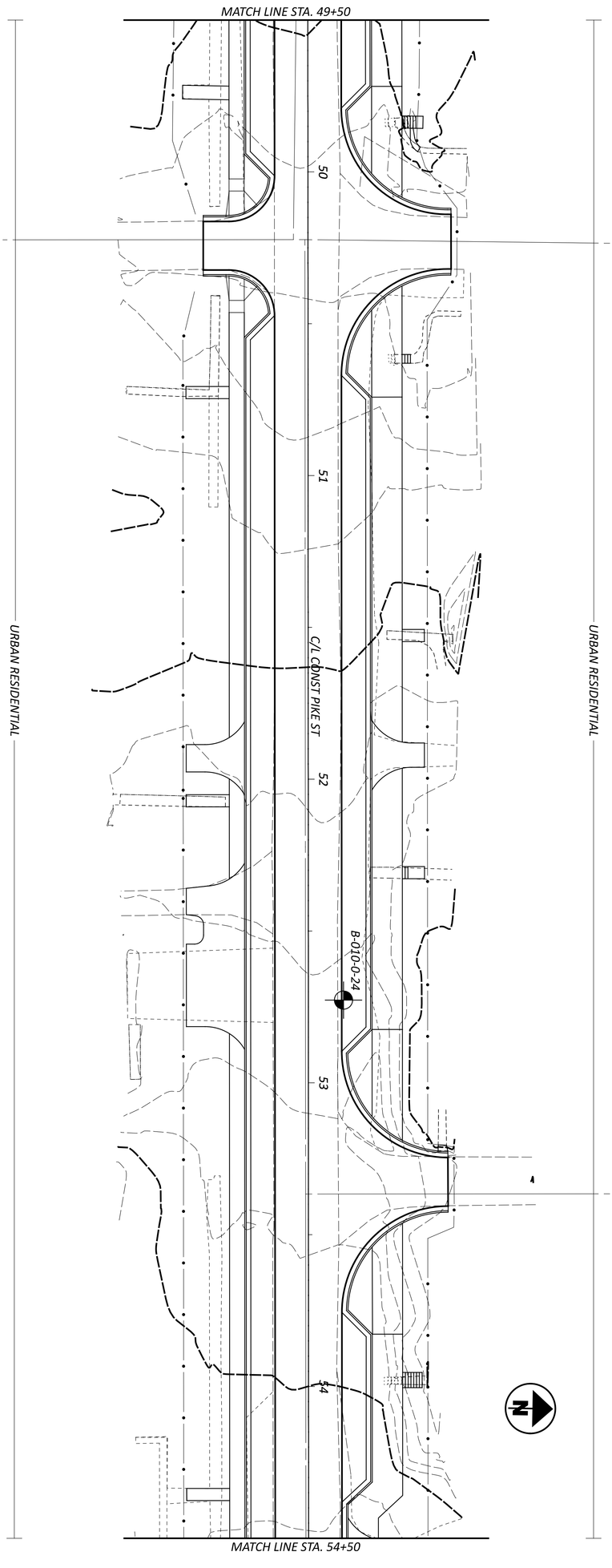
LIC-TR1135-0.58

MODEL: CLP_3 - Plan 2 PAPERSIZE: 34x22 (in.) DATE: 5/15/2025 TIME: 9:23:55 AM USER: TSomogyi
C:\Users\ThomasSomogyi\OneDrive - Verdantas\Desktop\119487_GP102.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.360.4643
FAX 614.360.0023

DESIGNER	TLS
REVIEWER	MI 05/15/25
PROJECT ID	119487
SUBSET / TOTAL	3 / 9
SHEET / TOTAL	P.0 / 0



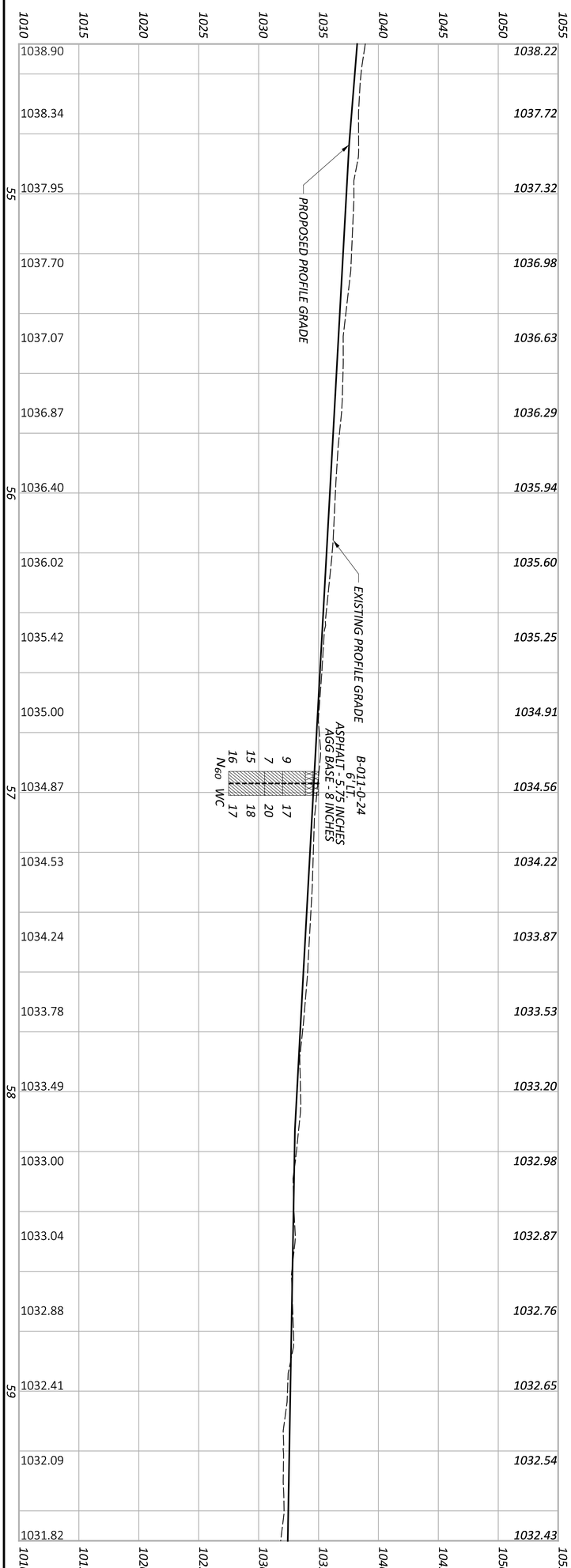


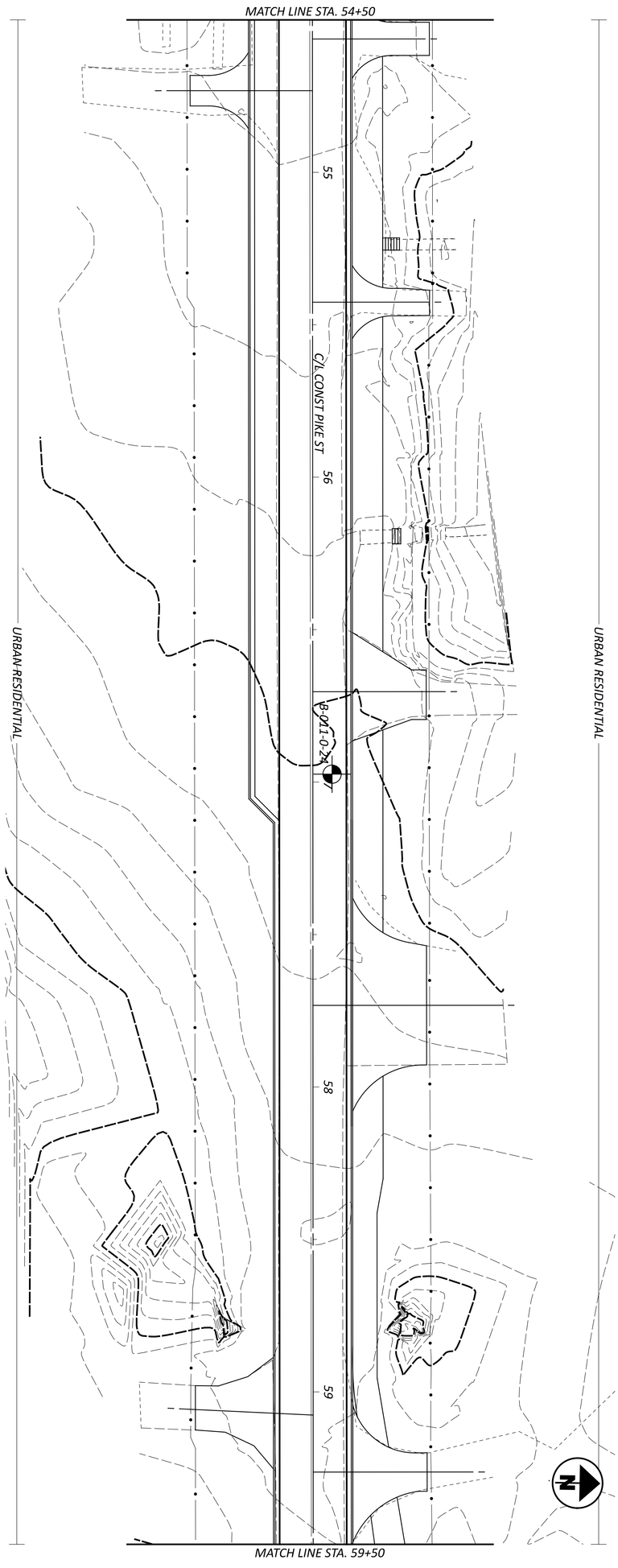
SHEET	SUBSET	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.0 / TOTAL 0	4 / TOTAL 9	119487	MI 05/15/25	TLS	verdantas

verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL. 740.344.5451
FAX 614.360.0023

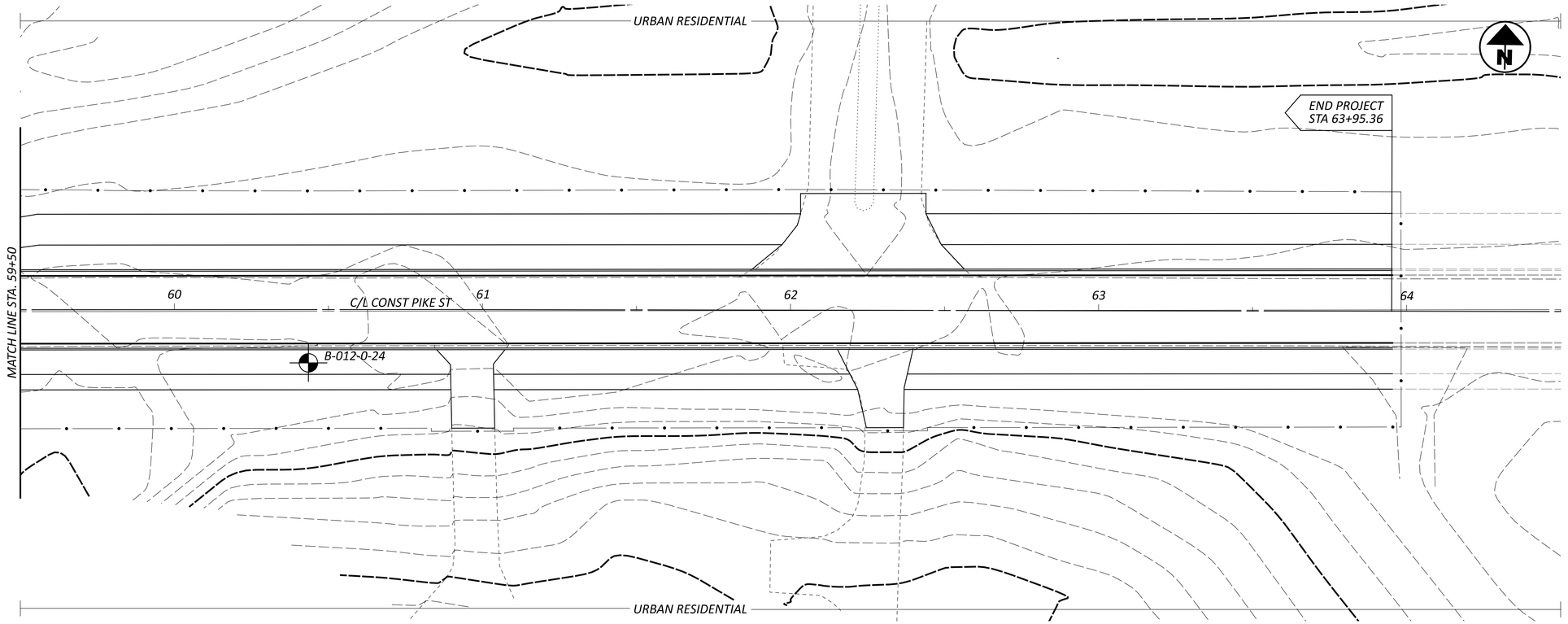
GEOTECHNICAL PROFILE - ROADWAY
STA 49+50 TO STA 54+50 (PIKE ST.)

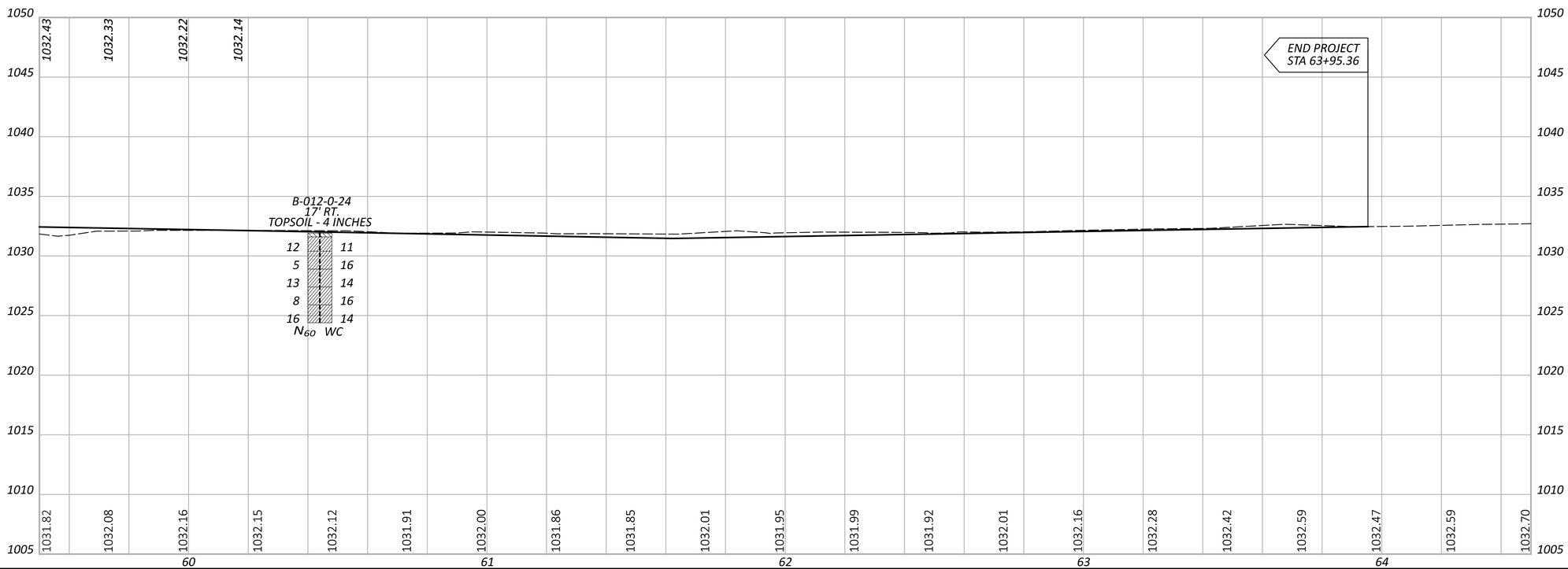
HORIZONTAL SCALE IN FEET
0 20
10 40





SHEET P.0	SUBSET 5	PROJECT ID 119487	REVIEWER MI 05/15/25	DESIGNER TLS	verdantas 1555 WEST MAIN STREET NEWARK, OH 43055 TEL. 740.344.5451 FAX 614.360.0023	DESIGN AGENCY	GEOTECHNICAL PROFILE - ROADWAY STA 39+50 TO STA 44+50 (PIKE ST.)
TOTAL 0	TOTAL 9						HORIZONTAL SCALE IN FEET 0 20 10 40





HORIZONTAL SCALE IN FEET
0 10 20 40

GEOTECHNICAL PROFILE - ROADWAY
STA 59+50 TO STA 64+50 (PIKE ST.)

LIC-TR1135-0.58

MODEL: CLP_3 - Plan 5 PAPERSIZE: 34x22 (in.) DATE: 5/15/2025 TIME: 9:23:58 AM USER: TSomogyi
C:\Users\ThomasSomogyi\OneDrive - Verdantas\Desktop\119487_GP105.dgn

DESIGN AGENCY
verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL: 614.360.4643
FAX 614.360.0023

DESIGNER	TLS
REVIEWER	MI 05/15/25
PROJECT ID	119487
SUBSET / TOTAL	6 / 9
SHEET / TOTAL	P.0 / 0

PROJECT: PIKE STREET WIDENING | DRILLING FIRM / OPERATOR: A. DRILLING / ACC | DRILL RIG: A DRILLING B-57 | STATION / OFFSET: 42+95, 7' RT. | EXPLORATION ID B-008-0-24
TYPE: ROADWAY | SAMPLING FIRM / LOGGER: A. DRILLING / AC | HAMMER: AUTOMATIC HAMMER | ALIGNMENT: PIKE STREET | PAGE 1 OF 1
PID: 119487 SFN: | DRILLING METHOD: SSA | CALIBRATION DATE: 8/22/23 | ELEVATION: 1058.6 (NAVD88) | EOB: 7.5 ft.
START: 10/17/24 END: 10/17/24 | SAMPLING METHOD: SPT | ENERGY RATIO (%): 80.4 | LAT / LONG: 39.957298, -82.681502

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/RQD	N_{60}	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%) GR	CS	FS	SI	CL	ATTERBERG LL	PL	PI	WC	ODOT CLASS (GI)	SO4 ppm	BACK FILL
ASPHALT - 8 INCHES	1058.6																		
AGGREGATE BASE - 6 INCHES	1057.9																		
MEDIUM STIFF, GRAY/BROWN, **SILT AND CLAY**, SOME SAND, TRACE CRUSHED STONE, TRACE CALCITE STAIN SEAM, MOIST FILL	1057.4	1	3 3 3	8	50	SS-1	4.00	0	6	20	23	51	30	18	12	20	A-6a (9)	150	
MEDIUM STIFF, BROWN, **SILT AND CLAY**, LITTLE SAND, TRACE GRAVEL, TRACE IRON OXIDE STAIN SEAM, MOIST	1055.6	2	2 2 4	8	78	SS-2	3.50	-	-	-	-	-	-	-	-	18	A-6a (V)	-	
STIFF, BROWN, **SILTY CLAY**, TRACE SAND, TRACE IRON OXIDE STAIN SEAM, MOIST	1054.1	3	2 4 6	13	83	SS-3	2.75	0	1	6	25	68	38	20	18	24	A-6b (11)	-	
@6': VERY STIFF, LITTLE SAND, TRACE GRAVEL, TRACE CALCITE STAIN SEAM	1051.1	4	4 7 9	21	78	SS-4	>4.5	-	-	-	-	-	-	-	-	14	A-6b (V)	-	
	EOB	5																	
		6																	
		7																	

NOTES: NONE

ABANDONMENT METHODS, MATERIALS, QUANTITIES: PLACED 0.25 BAG ASPHALT PATCH; AUGER CUTTINGS MIXED WITH 0.5 BAG BENTONITE CHIPS

STANDARD ODOT LOG W/ SULFATES (8.5 X 11) - OH DOT GDT - 5/13/25 15:30 - X:\PROJECTS\242296.GPJ

PROJECT: PIKE STREET WIDENING | DRILLING FIRM / OPERATOR: A. DRILLING / ACC | DRILL RIG: A DRILLING B-57 | STATION / OFFSET: 47+68, 8' RT. | EXPLORATION ID B-009-0-24
TYPE: ROADWAY | SAMPLING FIRM / LOGGER: A. DRILLING / AC | HAMMER: AUTOMATIC HAMMER | ALIGNMENT: PIKE STREET | PAGE 1 OF 1
PID: 119487 SFN: | DRILLING METHOD: SSA | CALIBRATION DATE: 8/22/23 | ELEVATION: 1054.2 (NAVD88) | EOB: 7.5 ft.
START: 10/17/24 END: 10/17/24 | SAMPLING METHOD: SPT | ENERGY RATIO (%): 80.4 | LAT / LONG: 39.957321, -82.679814

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/RQD	N_{60}	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%) GR	CS	FS	SI	CL	ATTERBERG LL	PL	PI	WC	ODOT CLASS (GI)	SO4 ppm	BACK FILL
ASPHALT - 5.5 INCHES	1054.2																		
AGGREGATE BASE - 5 INCHES	1053.7																		
STIFF, GRAY/BROWN, **SILTY CLAY**, SOME SAND, TRACE CRUSHED STONE, TRACE IRON OXIDE STAIN SEAM, MOIST FILL	1053.3	1	3 3 5	11	67	SS-1	3.50	2	4	19	27	48	39	19	20	24	A-6b (12)	150	
STIFF, BROWN, **SILT AND CLAY**, SOME SAND, TRACE GRAVEL, TRACE IRON OXIDE STAIN SEAM, MOIST	1051.2	2	3 3 5	11	78	SS-2	3.25	8	14	17	24	37	29	17	12	19	A-6a (6)	-	
STIFF, GRAY/BROWN, **SILT AND CLAY**, LITTLE SAND, TRACE GRAVEL, MOIST	1049.7	3	3 5 6	15	100	SS-3	>4.5	-	-	-	-	-	-	-	-	15	A-6a (V)	-	
@6': VERY STIFF, BROWN, TRACE CALCITE STAIN SEAM	1046.7	4	3 6 7	17	100	SS-4	>4.5	-	-	-	-	-	-	-	-	15	A-6a (V)	-	
	EOB	5																	
		6																	
		7																	

NOTES: NONE

ABANDONMENT METHODS, MATERIALS, QUANTITIES: PLACED 0.25 BAG ASPHALT PATCH; AUGER CUTTINGS MIXED WITH 0.5 BAG BENTONITE CHIPS

STANDARD ODOT LOG W/ SULFATES (8.5 X 11) - OH DOT GDT - 5/13/25 15:30 - X:\PROJECTS\242296.GPJ

GEOTECHNICAL PROFILE - ROADWAY
BORING LOGS B-008-0-24 & B-009-0-24

MODEL: SOIL TITLE PAPERSIZE: 34x22 (in.) DATE: 5/15/2025 TIME: 9:24:25 AM USER: TSomogyi
C:\Users\ThomasSomogyi\OneDrive - Verdantas\Desktop\119487_ID002.dgn

PROJECT: PIKE STREET WIDENING | DRILLING FIRM / OPERATOR: A. DRILLING / ACC | DRILL RIG: A DRILLING B-57 | STATION / OFFSET: 52+73, 12' LT. | EXPLORATION ID B-010-0-24
TYPE: ROADWAY | SAMPLING FIRM / LOGGER: A. DRILLING / AC | HAMMER: AUTOMATIC HAMMER | ALIGNMENT: PIKE STREET
PID: 119487 SFN: | DRILLING METHOD: SSA | CALIBRATION DATE: 8/22/23 | ELEVATION: 1042.7 (NAVD88) | EOB: 7.5 ft. | PAGE 1 OF 1
START: 10/17/24 END: 10/17/24 | SAMPLING METHOD: SPT | ENERGY RATIO (%): 80.4 | LAT / LONG: 39.957405, -82.678017

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/ RQD	N_{60}	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%) GR	CS	FS	SI	CL	ATTERBERG LL	PL	PI	WC	ODOT CLASS (GI)	SO4 ppm	BACK FILL
VERY DENSE, BLACK/GRAY, **CRUSHED STONE WITH SAND**, TRACE ASPHALT FRAGMENTS, TRACE SILT, TRACE CLAY, MOIST FILL	1042.7		48 50/3"	-	67	SS-1	-	-	-	-	-	-	-	-	-	4	A-1-b (V)	-	
	1041.9	1																	
STIFF, BROWN/GRAY, **SANDY SILT**, SOME CLAY, TRACE CRUSHED STONE, TRACE CALCITE STAIN SEAM, MOIST FILL		2	3 4 7	15	33	SS-2	>4.5	7	7	20	41	25	20	12	8	14	A-4a (6)	150	
	1039.7	3																	
VERY STIFF, GRAY/BROWN, **SANDY SILT**, LITTLE CLAY, TRACE GRAVEL, MOIST			6 8 9	23	78	SS-3	>4.5	5	9	30	43	13	20	12	8	14	A-4a (4)	-	
@4.5': BROWN		4 5	6 8 7	20	94	SS-4	>4.5	-	-	-	-	-	-	-	-	15	A-4a (V)	-	
@6': BROWN/GRAY		6	4 6 7	17	67	SS-5	>4.5	-	-	-	-	-	-	-	-	13	A-4a (V)	-	
	1035.2	7 EOB																	

NOTES: NONE
ABANDONMENT METHODS, MATERIALS, QUANTITIES: AUGER CUTTINGS MIXED WITH 0.5 BAG BENTONITE CHIPS

PROJECT: PIKE STREET WIDENING | DRILLING FIRM / OPERATOR: A. DRILLING / ACC | DRILL RIG: A DRILLING B-57 | STATION / OFFSET: 56+97, 6' LT. | EXPLORATION ID B-011-0-24
TYPE: ROADWAY | SAMPLING FIRM / LOGGER: A. DRILLING / AC | HAMMER: AUTOMATIC HAMMER | ALIGNMENT: PIKE STREET
PID: 119487 SFN: | DRILLING METHOD: SSA | CALIBRATION DATE: 8/22/23 | ELEVATION: 1035.0 (NAVD88) | EOB: 7.5 ft. | PAGE 1 OF 1
START: 10/17/24 END: 10/17/24 | SAMPLING METHOD: SPT | ENERGY RATIO (%): 80.4 | LAT / LONG: 39.957415, -82.676502

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/ RQD	N_{60}	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%) GR	CS	FS	SI	CL	ATTERBERG LL	PL	PI	WC	ODOT CLASS (GI)	SO4 ppm	BACK FILL
ASPHALT - 5.75 INCHES	1035.0																		
	1034.5																		
AGGREGATE BASE - 8 INCHES	1033.9	1																	
STIFF, GRAY, **SILT AND CLAY**, SOME SAND, TRACE CRUSHED STONE, MOIST FILL, (SEWER ODOR NOTED), (NOTED AS AUGER SAMPLE)		2	6 4 3	9	0	SS-1	-	1	7	23	24	45	29	16	13	17	A-6a (8)	150	
	1032.0	3																	
MEDIUM STIFF, BROWN/GRAY, **SILT AND CLAY**, LITTLE SAND, TRACE GRAVEL, MOIST			2 2 3	7	100	SS-2	2.00	7	4	15	24	50	33	19	14	20	A-6a (9)	-	
	1030.5	4																	
STIFF, BROWN/GRAY, **SILT AND CLAY**, LITTLE SAND, TRACE GRAVEL, MOIST		5	2 5 6	15	94	SS-3	>4.5	-	-	-	-	-	-	-	-	18	A-6a (V)	-	
@6': VERY STIFF, GRAY/BROWN		6	3 5 7	16	94	SS-4	>4.5	-	-	-	-	-	-	-	-	17	A-6a (V)	-	
	1027.5	7 EOB																	

NOTES: NONE
ABANDONMENT METHODS, MATERIALS, QUANTITIES: PLACED 0.25 BAG ASPHALT PATCH; AUGER CUTTINGS MIXED WITH 0.5 BAG BENTONITE CHIPS

STANDARD ODOT LOG W/ SULFATES (8.5 X 11) - OH DOT GDT - 5/13/25 15:30 - X:\PROJECTS\242296.GPJ

SHEET	SUBSET	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.0 / TOTAL 0	8 / TOTAL 9	119487	MI 05/15/25	TLS	verdantas

verdantas
1555 WEST MAIN STREET
NEWARK, OH 43055
TEL. 740.344.5451
FAX 614.360.0023

GEOTECHNICAL PROFILE - ROADWAY
BORING LOGS B-010-0-24 & B-011-0-24

MODEL: SOIL TITLE PAPERSIZE: 34x22 (in.) DATE: 5/15/2025 TIME: 9:24:53 AM USER: TSomogyi
C:\Users\ThomasSomogyi\OneDrive - Verdantas\Desktop\119487_ID003.dgn

PROJECT: PIKE STREET WIDENING	DRILLING FIRM / OPERATOR: A. DRILLING / ACC	DRILL RIG: A DRILLING B-57	STATION / OFFSET: 60+44, 17' RT.	EXPLORATION ID B-012-0-24
TYPE: ROADWAY	SAMPLING FIRM / LOGGER: A. DRILLING / AC	HAMMER: AUTOMATIC HAMMER	ALIGNMENT: PIKE STREET	
PID: 119487 SFN:	DRILLING METHOD: SSA	CALIBRATION DATE: 8/22/23	ELEVATION: 1031.9 (NAVD88)	EOB: 7.5 ft.
START: 10/17/24 END: 10/17/24	SAMPLING METHOD: SPT	ENERGY RATIO (%): 80.4	LAT / LONG: 39.957371, -82.675266	PAGE 1 OF 1

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/RQD	N_{60}	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%) GR	CS	FS	SI	CL	ATTERBERG LL	PL	PI	WC	ODOT CLASS (GI)	SO4 ppm	BACK FILL
TOPSOIL - 4 INCHES	1031.6																		
STIFF, BROWN, **SILT AND CLAY**, SOME SAND, LITTLE GRAVEL, TRACE CALCITE STAIN SEAM, TRACE IRON OXIDE STAIN SEAM, MOIST	1030.4	1	3 4 5	12	89	SS-1	>4.5	12	8	22	25	33	26	15	11	11	A-6a (5)	150	
MEDIUM STIFF, BROWN/GRAY, **SILT AND CLAY**, LITTLE SAND, TRACE GRAVEL, TRACE CALCITE STAIN SEAM, MOIST	1028.9	2	2 2 2	5	33	SS-2	4.00	-	-	-	-	-	-	-	-	16	A-6a (V)	-	
STIFF, BROWN, **SILT AND CLAY**, LITTLE SAND, TRACE GRAVEL, TRACE CALCITE STAIN SEAM, TRACE IRON OXIDE STAIN SEAM, MOIST	1027.4	3 4	0 3 7	13	67	SS-3	>4.5	-	-	-	-	-	-	-	-	14	A-6a (V)	-	
MEDIUM STIFF, GRAY/BROWN, **SILT AND CLAY**, SOME GRAVEL, SOME SAND, MOIST	1025.9	5 6	2 2 4	8	67	SS-4	4.25	27	6	15	19	33	29	15	14	16	A-6a (5)	-	
VERY STIFF, BROWN, **SILT AND CLAY**, LITTLE SAND, TRACE GRAVEL, TRACE IRON OXIDE STAIN SEAM, MOIST	1024.4	7 EOB	3 5 7	16	100	SS-5	>4.5	-	-	-	-	-	-	-	-	14	A-6a (V)	-	

NOTES: NONE

ABANDONMENT METHODS, MATERIALS, QUANTITIES: AUGER CUTTINGS MIXED WITH 0.5 BAG BENTONITE CHIPS

STANDARD ODOT LOG W/ SULFATES (8.5 X 11) - OH DOT.GDT - 5/13/25 15:30 - X:\PROJECTS\242296.GPJ

SHEET	SUBSET	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.0 / TOTAL 0	9 / TOTAL 9	119487	MI 05/15/25	TLS	verdantas 1555 WEST MAIN STREET NEWARK, OH 43055 TEL. 740.344.5451 FAX 614.360.0023

GEOTECHNICAL PROFILE - ROADWAY
BORING LOG B-012-0-24