

PRELIMINARY LAND DEVELOPMENT PLANS

FOR

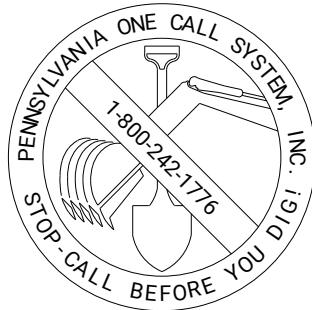
PROJECT BOLT - PHASE 1A

MIDDLESEX TOWNSHIP, CUMBERLAND COUNTY,

PENNSYLVANIA

PENNSYLVANIA ONE CALL

- LIVIC CIVIL HAS REQUESTED LINE AND UTILITY INFORMATION FROM THE PA ONE CALL SYSTEM (POCS)
- POCS SERIAL NUMBER: 20251830955-000
DATE: JULY 2, 2025
- THE FOLLOWING FACILITY OWNERS HAVE INDICATED THROUGH POCS THAT THEY HAVE FACILITIES IN THE PROJECT AREA:



UTILITY: MIDDLESEX TOWNSHIP MUNICIPAL AUTHORITY ADDRESS: 350 N MIDDLESEX RD STE 2 CARLISLE, PA 17013 CONTACT: RORY MORRISON EMAIL: rrmorrison@middlesextwp.com PHONE: 717-243-0674	UTILITY: STAKECENTER ADDRESS: 7025 ALBERT PICK ROAD, SUITE 600 GREENSBORO, NC 27409 CONTACT: STAKECENTER DISPATCH EMAIL: mirasol.garza@brightspeed.com PHONE: 801-364-1063
UTILITY: VERIZON PENNSYLVANIA LLC ADDRESS: 1050 VIRGINIA DR FORT WASHINGTON, PA 19034 CONTACT: DIANE REDILLA EMAIL: diane.c.redilla@verizon.com PHONE: 215-591-6210	UTILITY: GSP MANAGEMENT CO ADDRESS: 2846 MAIN STREET, SUITE 12A MORGANTOWN, PA 19543 CONTACT: DAWN CATTEAU EMAIL: meadowssewer@gmail.com PHONE: 484-202-8239
UTILITY: MIDDLESEX TOWNSHIP CUMBERLAND COUNTY ADDRESS: 350 N MIDDLESEX RD, SUITE 1 CARLISLE, PA 17013 CONTACT: ZACHARY ZOOK EMAIL: zzook@middlesextwp.com PHONE: 717-249-4409	UTILITY: PPL ELECTRIC UTILITIES CORPORATION ADDRESS: 437 BLUE CHURCH RD PAXINOS, PA 17860 CONTACT: DOUG HAUP EMAIL: dhaup@pplweb.com PHONE: 570-490-5684
UTILITY: COMCAST CABLE COMMUNICATIONS INC ADDRESS: C/O USIC LOCATING SERVICES 13085 HAMILTON CROSSING BLVD STE 200 CONTACT: CARMEL, IN 46032 EMAIL: USIC OFFICE PERSONNEL PHONE: 800-811-7981	UTILITY: UGI UTILITIES INC ADDRESS: 1301 AIP DR MIDDLETOWN, PA 17057-5987 CONTACT: GEOFFREY FERGUSON EMAIL: GFERGUSON@UGI.COM PHONE: 610-807-3118

- BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA CALL 1-800-242-1776. PA ACT 287 OF 1974, AS AMENDED, REQUIRES THREE (3) WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL OR BLAST.

STORMWATER MANAGEMENT ACCESS EASEMENT

THE OWNERS HEREBY GRANT MIDDLESEX TOWNSHIP AN EASEMENT AND RIGHT TO ACCESS TO INSPECT ALL OF THE STORMWATER MANAGEMENT FACILITIES AND CONTROLS AT ANY REASONABLE TIME. MIDDLESEX TOWNSHIP IS FURTHER HEREBY GRANTED AN EASEMENT AND RIGHT OF INGRESS AND EGRESS FOR PERSONNEL, EQUIPMENT AND MATERIALS, TO ANY AND ALL STORMWATER MANAGEMENT FACILITIES AND CONTROLS, OVER, UPON, IN, UNDER, AND THROUGH THE PROPERTY, FOR PURPOSE OF MAINTENANCE AND OR REPAIR OF THE STORMWATER MANAGEMENT FACILITIES SHOWN ON THIS PLAN DUE TO FAILURE OR NEGLIGENCE OF THE OWNER/DEVELOPER TO PERFORM THE SAME WITHIN THE REQUIRED TIME.

CERTIFICATE OF OWNERSHIP AND ACKNOWLEDGMENT OF PLAN (CORPORATE)

COUNTY OF _____;
ON THIS, THE _____ DAY OF _____, 20_____, WHO BEFORE ME, A NOTARY PUBLIC, IN AND FOR THE COMMONWEALTH AND COUNTY AFORESAID, THE UNDERSIGNED OFFICER, DID PERSONALLY APPEAR. _____ ACKNOWLEDGED THE WITHIN PLAN OF LOTS TO BE HIS ACT AND DEED AND DESIRED THE SAME TO BE RECORDED AS SUCH.

IN WITNESS WHEREOF, I HERE UNTO SET MY HAND AND OFFICIAL SEAL.

NOTARY PUBLIC _____ DATE _____

IT IS HEREBY CERTIFIED THAT THE UNDERSIGNED ARE THE EQUITABLE OWNER(S) OF THE PROPERTY SHOWN ON THIS PLOT. THE ROADS SHOWN HEREON ARE AND SHALL REMAIN PRIVATELY OWNED AND MAINTAINED BY THE OWNER OR ITS SUCCESSORS, AND ARE HEREBY MADE AVAILABLE FOR PUBLIC USE THROUGH A PERPETUAL PUBLIC EASEMENT. THIS PLAN DOES NOT CONSTITUTE AN OFFER OF DEDICATION TO PUBLIC OWNERSHIP.

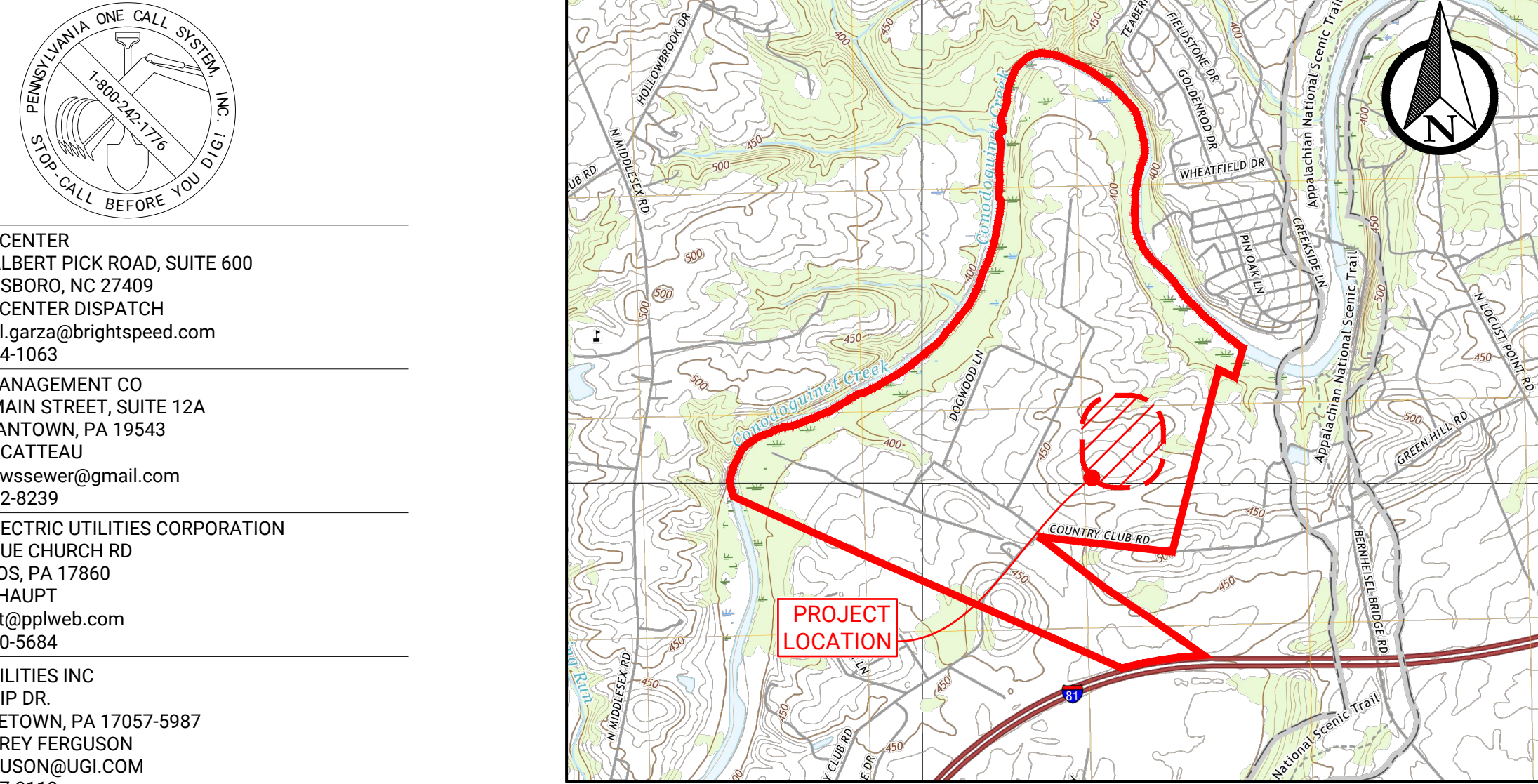
RECORD OWNER: CARLISLE DEVELOPMENT PARTNERS LLC

MIDDLESEX TOWNSHIP MUNICIPAL AUTHORITY CERTIFICATE

REVIEWED BY THE MIDDLESEX TOWNSHIP MUNICIPAL AUTHORITY
REVIEWED THIS _____ DAY OF _____, 20_____.
ENGINEER _____

TOWNSHIP ENGINEER CERTIFICATE

REVIEWED BY THE TOWNSHIP ENGINEER
REVIEWED THIS _____ DAY OF _____, 20_____.
ENGINEER _____



PROJECT LOCATION MAP

CARLISLE, MECHANICSBURG, SHERMANS DALE, WERTZVILLE USGS QUAD
SCALE: AS SHOWN
2,000 0 2,000 4,000 FT
HORIZONTAL SCALE: 1 INCH = 2,000 FEET

GENERAL NOTES

- APPLICANT/RESPONSIBLE PARTY:
CARLISLE DEVELOPMENT PARTNERS, LLC
ATTN: PETRI OTTAVAINEN
1660 INTERNATIONAL DRIVE, SUITE 500
McLEAN, VA 22102
PHONE: 804.351.7432
- LANDOWNERS:
CARLISLE DEVELOPMENT PARTNERS, LLC
ATTN: IGAL FEIBUSH
1660 INTERNATIONAL DRIVE, SUITE 500
McLEAN, VA 22102
PHONE: 703.234.3056
- PROJECT LOCATION:
COUNTRY CLUB ROAD
CARLISLE, PA 17015
MIDDLESEX TOWNSHIP, CUMBERLAND COUNTY
- PROJECT NARRATIVE:
PROJECT BOLT IS A 693-ACRE DATA CENTER DEVELOPMENT IN MIDDLESEX TOWNSHIP, CUMBERLAND COUNTY, PA, ALONG COUNTRY CLUB RD, BORDERED BY THE CONDOGUEINET CREEK AND INTERSTATE 81. THE PROJECT IS COMPRISED OF THREE CAMPUSES, A PPL SUBSTATION, 3 CUSTOMER SUBSTATIONS, A CENTRAL WATER AND SEWER STORAGE FACILITY, A NEW PROPOSED PRIVATE STREET WITH PUBLIC ACCESS ROAD "PA DATA DRIVE" IS PROPOSED. PHASE 1A SPECIFICALLY CONSISTS OF THE PPL SUBSTATION, 3 CUSTOMER SUBSTATIONS, PRIVATE STREET, AND PUBLIC ACCESS ROAD. NO DATA CENTER BUILDINGS ARE PROPOSED AS PART OF THIS PHASE.
- SOURCE OF TITLE:
* CARLISLE DEVELOPMENT PARTNERS, LLC
INST # 202514238 INSTR. # 202514239
PARCEL No. 21-06-0015-013, 21-06-0015-014, 21-06-0015-001, 21-06-0015-015
- WETLANDS HAVE BEEN IDENTIFIED BY A FIELD STUDY AND REPORT DONE BY AMBROOK CONSULTING ON MARCH 29, 2024.
- ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S FLOOD INSURANCE RATE MAP (42041C0088F, 42041C0069F, 42041C0232F, 42041C0251F), THE PROJECT SITE IS LOCATED WITHIN THE 100-YR FLOODPLAIN. ALL PROPOSED WORK WILL BE CONDUCTED OUT OF THE 100 YEAR FLOODPLAIN.
- THE PROJECT WILL BE SERVED BY PUBLIC SANITARY SEWER AND PUBLIC WATER.

MIDDLESEX TOWNSHIP BOARD OF SUPERVISORS CERTIFICATE

APPROVED BY THE BOARD OF SUPERVISORS OF MIDDLESEX TOWNSHIP, CUMBERLAND COUNTY PA
APPROVED THIS _____ DAY OF _____, 20_____.

CHAIRMAN _____ SECRETARY _____

MIDDLESEX TOWNSHIP PLANNING COMMISSION CERTIFICATE

REVIEWED BY THE PLANNING COMMISSION OF MIDDLESEX TOWNSHIP, CUMBERLAND COUNTY PA
RECOMMENDED FOR APPROVAL THIS _____ DAY OF _____, 20_____.

CHAIRMAN _____ ATTEST _____ SECRETARY _____

DESIGN ENGINEER CERTIFICATE

I HEREBY CERTIFY THIS PLAN IS CORRECT AND ACCURATE TO THE BEST OF MY KNOWLEDGE, AND HAS BEEN PREPARED TO THE ACCURACY REQUIRED BY THE GOVERNING ORDINANCES OF MIDDLESEX TOWNSHIP, LOCATED IN CUMBERLAND COUNTY, PENNSYLVANIA.

LIVIC CIVIL
1015 MUMMA ROAD
2ND FLOOR
WORMLEYSBURG, PA 17043
NORTHUMBERLAND, PA 17857
CATHERINE A PRINCE, P.E.

CUMBERLAND COUNTY PLANNING COMMISSION CERTIFICATE

REVIEWED BY CUMBERLAND COUNTY PLANNING COMMISSION
THIS _____ DAY OF _____, 20_____.

CHAIRMAN _____ ATTEST _____ SECRETARY _____

CUMBERLAND COUNTY RECORDER OF DEEDS CERTIFICATE

THIS PLAN RECORDED IN THE OFFICE OF THE RECORDER OF DEEDS IN CUMBERLAND COUNTY,
THIS _____ DAY OF _____, 20_____.
INSTRUMENT No. _____

SURVEY CERTIFICATE

I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, THE BOUNDARY AND TOPOGRAPHICAL SURVEY DESCRIBED HEREON IS CORRECT AND ACCURATE TO THE BEST OF MY KNOWLEDGE, AND HAS BEEN PREPARED TO THE ACCURACY REQUIRED BY THE GOVERNING ORDINANCES OF MIDDLESEX TOWNSHIP, LOCATED IN CUMBERLAND COUNTY, PENNSYLVANIA.

LIVIC CIVIL
635 N. LOYALSOCK AVE
2ND FLOOR
MONTGOMERYVILLE, PA 17754
TIMOTHY R MILHOLIN, P.L.S. SU-075476

SHEET INDEX

SHEET NUMBER	SHEET TITLE
C1A 001	COVER
C1A 002	GENERAL NOTES
C1A 003	MASTER PLAN KEYMAP
C1A 004	PHASE 1A KEYMAP
C1A 005	PHASE 1A EXISTING CONDITIONS & DEMO PLAN
C1A 006	PHASE 1A OVERALL SITE LAYOUT PLAN
C1A 007	PHASE 1A OVERALL GRADING & STORMWATER PLAN
C1A 008	PHASE 1A OVERALL UTILITY PLAN
C1A 101	EXISTING CONDITIONS & DEMO PLAN
C1A 201	SITE LAYOUT PLAN
C1A 202	SITE LAYOUT PLAN
C1A 203	SITE LAYOUT PLAN
C1A 204	SITE LAYOUT PLAN
C1A 205	SITE LAYOUT PLAN

SHEET INDEX

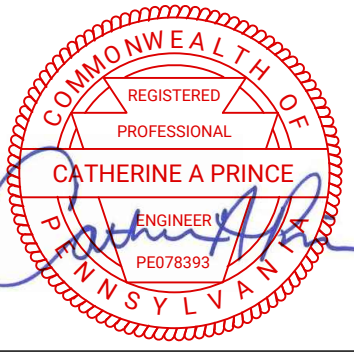
SHEET NUMBER	SHEET TITLE
C1A 206	SITE LAYOUT PLAN
C1A 207	SITE LAYOUT PLAN
C1A 301	GRADING & STORMWATER PLAN
C1A 302	GRADING & STORMWATER PLAN
C1A 303	GRADING & STORMWATER PLAN
C1A 304	GRADING & STORMWATER PLAN
C1A 305	GRADING & STORMWATER PLAN
C1A 306	GRADING & STORMWATER PLAN
C1A 307	GRADING & STORMWATER PLAN
C1A 401	UTILITY PLAN
C1A 402	UTILITY PLAN
C1A 403	UTILITY PLAN
C1A 404	UTILITY PLAN
C1A 405	UTILITY PLAN
C1A 406	UTILITY PLAN
C1A 407	UTILITY PLAN

SHEET INDEX

SHEET NUMBER	SHEET TITLE
C1A 501	ROADWAY PLAN AND PROFILE
C1A 502	ROADWAY PLAN AND PROFILE
C1A 503	ROADWAY PLAN AND PROFILE
C1A 504	ROADWAY PLAN AND PROFILE
C1A 505	ROADWAY PLAN AND PROFILE
C1A 506	ROADWAY PLAN AND PROFILE
C1A 507	ROADWAY PLAN AND PROFILE
C1A 508	ROADWAY PLAN AND PROFILE
C1A 509	ROADWAY PLAN AND PROFILE
C1A 510	ROADWAY PLAN AND PROFILE
C1A 511	PROFILES
C1A 512	PROFILES
C1A 513	PROFILES
C1A 514	PROFILES
C1A 515	PROFILES
C1A 601	LANDSCAPING PLAN
C1A 603	LANDSCAPING PLAN

SHEET INDEX

SHEET NUMBER	SHEET TITLE
C1A 602	LANDSCAPING PLAN
C1A 604	LANDSCAPING PLAN
C1A 605	LANDSCAPING PLAN
C1A 606	LANDSCAPING PLAN
C1A 607	LANDSCAPING PLAN
C1A 701	PHOTOMETRIC OVERALL PLAN
C1A 702	PHOTOMETRIC PLAN
C1A 703	PHOTOMETRIC PLAN
C1A 704	PHOTOMETRIC PLAN
C1A 705	PHOTOMETRIC PLAN
C1A 706	PHOTOMETRIC PLAN
C1A 707	PHOTOMETRIC PLAN
C1A 801	CIVIL DETAILS
C1A 802	CIVIL DETAILS
C1A 803	CIVIL DETAILS
C1A 804	CIVIL DETAILS



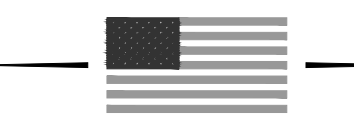
REV	DATE	COMMENTS	ISSUE / REVISIONS
1	08/18/25	INITIAL SUBMISSION	JHR



PROJECT No: 1259-01
DATE: AUGUST 18, 2025
SCALE: AS SHOWN
DRAWN BY: RJB CHECKED BY: JHR

PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA



CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

COVER

SHEET NO.

C1A 001

EXISTING UTILITIES SHOWN ON THIS PLAN ARE BASED ON EXISTING MAPPING RECORDS AND/OR EVIDENCE OF ABOVE GROUND FACILITIES. THE EXACT LOCATION (HORIZONTAL & VERTICAL) OR ACCURACY THEREOF IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING DEPTHS AND LOCATIONS OF ANY AND ALL UTILITIES WHICH FALL WITHIN OR ADJACENT TO THE LIMITS OF WORK. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMMEDIATELY REPAIRING ANY DAMAGED UTILITY THAT OCCURS DURING CONSTRUCTION, AT THEIR EXPENSE. THE CONTRACTOR IS REQUIRED TO COMPLETE THEIR UTILITY NOTIFICATIONS PER STATE LAW AND FOLLOW ANY AND ALL REGULATIONS.

2. THE CONTRACTOR IS TO NOTIFY OWNER/ENGINEER, IN WRITING, OF ANY UTILITY CONDITIONS AT THE SITE DIFFERING FROM THOSE INDICATED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH UTILITY OWNERS FOR THE ADJUSTMENT OR RELOCATION OF UTILITY SURFACE FEATURES, I.E. VALVE BOXES, UTILITY POLES, MANHOLES, ETC. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION OF CONFLICTING UTILITIES WHICH ARE A RESULT OF THESE IMPROVEMENTS.

3. THE OWNER SHALL PREPARE AND EXECUTE NECESSARY UTILITY EASEMENTS FOR PROPOSED RELOCATED UTILITIES IN ACCORDANCE WITH THE REQUIREMENTS BY THE UTILITY OWNER.

4. EXISTING INFORMATION AND FEATURES SHOWN HEREIN WERE ESTABLISHED FROM AN AMALGAMATION OF LIDAR, A UAV FLIGHT AND A FIELD SURVEY, PERFORMED BY LIVIC CIVIL, BETWEEN DECEMBER 2023, APRIL 2024, AND JULY 2025.

5. A TITLE REPORT HAS BEEN ISSUED BY CHICAGO TITLE INSURANCE COMPANY. LIVIC CIVIL DOES NOT CERTIFY OR HAS MADE ANY ADDITIONAL INVESTIGATION OF CHAIN OF TITLE SEARCH REGARDING ANY SUCCESSORS, ASSIGNING OR HEIRS OF EASEMENTS, ENCUMBRANCES, COVENANTS, OWNERSHIPS OR SUCH THAT A TITLE SEARCH MAY DISCLOSE, OTHER THAN WHAT IS SHOWN ON THIS PLAN.

6. CONODOGUINET CREEK IS LOCATED WITHIN THE PROJECT AREA. IT IS CONSIDERED A NAVIGABLE STREAM AND IS THE ONLY STREAM OR RUN TO BE LOCATED WITHIN THE PROJECT LIMITS.

7. BASED ON A PENNSYLVANIA NATURAL DIVERSITY INDEX SEARCH, NO KNOWN CONFLICTS WERE IDENTIFIED WITHIN THE PROJECT SITE.

- SURVEYS CONDUCTED IN JULY 2024 AND APRIL 2025 IDENTIFIED:
 - LIMESTONE PETUNIA (RUELLIA STREPENS; PA THREATENED) - EXTENSIVE FLOODPLAIN POPULATION.
 - WHITE TROUT-LILY (ERYTHRONIUM ALBIDUM; PA RARE) - SMALL FLOODPLAIN POPULATION.
 - VIRGINIA MALLOW (RIPARIOSIDA HERMAPHRODITA; PA ENDANGERED) - NOT DETECTED WITHIN THE TRACT.
 - A BALD EAGLE (HALIAEETUS LEUCOCEPHALUS) NEST HAS BEEN IDENTIFIED ON THE SITE. FIELD RECONNAISSANCE TO DATE SHOWS NO EVIDENCE OF ACTIVE USE DURING RECENT SURVEYS. THE MAJORITY OF PLANNED DEVELOPMENT IS MORE THAN 660 FEET FROM THE NEST, WITH ALL WORK, EXCEPT GRADING OF ONE STORMWATER BASIN, OCCURRING OUTSIDE OF THE 330-FOOT BUFFER ZONE. FOR ANY WORK WITHIN 660 FEET, CONSTRUCTION WILL BE SCHEDULED OUTSIDE OF THE BALD EAGLE BREEDING SEASON IF THE NEST IS ACTIVE, PER STATE AND FEDERAL GUIDELINES.

8. THE CONTRACTOR SHALL CONSTRUCT ALL PROPOSED IMPROVEMENTS AS SHOWN HEREON IN ACCORDANCE WITH THE REQUIREMENTS OF MIDDLESEX TOWNSHIP.

9. THE CONTRACTOR IS RESPONSIBLE TO PROTECT ALL BENCH MARKS AND CONTROL POINTS DURING CONSTRUCTION. CONTRACTOR SHOULD SET ADDITIONAL CONTROL AS DEEMED APPROPRIATE.

10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE, REVIEW AND UNDERSTAND THE PLAN AND SPECIFICATIONS AND VERIFY ALL FIELD CONDITIONS, DIMENSIONS, DRAWINGS AND SPECIFICATIONS. ANY INCONSISTENCIES OR AMBIGUITIES IN THE DRAWINGS OR SPECIFICATIONS SHALL BE IMMEDIATELY REPORTED TO THE PROJECT'S OWNER IN WRITING. WORK COMPLETED BY THE CONTRACTOR AFTER DISCOVERY OF SUCH DISCREPANCIES, INCONSISTENCIES OR AMBIGUITIES, WITHOUT RECEIVING A RESPONSE FROM THE PROJECT'S OWNER, SHALL BE DONE AT THE CONTRACTOR'S RISK.

11. THE CONTRACTOR SHALL COMPLETE THEIR UTILITY NOTIFICATIONS PER STATE LAW. CONTRACTOR IS TO NOTIFY OWNER/ENGINEER, IN WRITING, OF ANY UTILITY CONDITIONS AT THE SITE DIFFERING FROM THOSE INDICATED IN THE CONTRACT DOCUMENTS.

12. THE CONTRACTOR IS REQUIRED TO COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS, CODES AND REGULATIONS.

13. THE CONTRACTOR AND ANY SUBCONTRACTORS SHALL BE NOTIFIED THAT THEY ARE REQUIRED TO COMPLY WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA), WHICH APPLY TO ALL PHASES OF CONSTRUCTION.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL, TRENCH SAFETY, COVERING, PLATING, SHEETING, SHORING AND SHORING DESIGN AS NEEDED.

15. THIS PLAN IS NOT INTENDED TO REPRESENT ANY SUBSURFACE CONDITIONS, INCLUDING THE LOCATION OF BEDROCK OR OTHER GEOLOGICAL CONDITIONS.

16. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN THE SAFE FLOW OF TRAFFIC DURING CONSTRUCTION. MAINTENANCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH PennDOT PUBLICATION 213, "TEMPORARY TRAFFIC CONTROL GUIDELINES", AS AMENDED.

17. THE CONTRACTOR IS RESPONSIBLE FOR MAKING ALL REQUIRED NOTIFICATIONS AS SPECIFIED ON SUPPLIED PERMIT OF PERMIT PLANS. THIS INCLUDES MUNICIPALITIES, CONSERVATION DISTRICTS, PADEP, AND OTHER REGULATORY AGENCIES.

18. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH UTILITY OWNERS FOR THE ADJUSTMENT OR RELOCATION OF UTILITY SURFACE FEATURES, I.E. VALVE BOXES, UTILITY POLES, MANHOLES, ETC. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION OF CONFLICTING UTILITIES WHICH ARE A RESULT OF THESE IMPROVEMENTS.

19. CONSTRUCTION IS TO BE BASED ON ACTUAL FIELD STAKING OF IMPROVEMENTS BY A REGISTERED PROFESSIONAL ENGINEER. ANY DEVIATIONS FROM THE STAKEOUT OR PLAN SHALL NOT BE PERMITTED WITHOUT APPROVAL.

20. THE CONTRACTOR SHALL ENSURE THAT POSITIVE DRAINAGE ACROSS ALL GRADED AREAS IS PROVIDED AND NO LOW SPOTS OR PONDING OCCUR WITHIN THE LIMITS OF WORK UNLESS NATURALLY OCCURRING.

21. ALL EXISTING SIGNS, WHICH ARE DISTURBED DURING CONSTRUCTION, SHALL BE REINSTALLED IMMEDIATELY IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

22. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING MEASURES TO PREVENT DAMAGE TO ALL EXISTING FEATURES (TO REMAIN) WITHIN THE PROJECT LIMITS AND ALONG ADJACENT PROPERTIES.

23. ALL AREAS WHICH ARE DISTURBED BY CONSTRUCTION, THAT ARE NOT TO BE PAVED OR HAVE SPECIFIC RESTORATION DETAILS, SHALL BE RESTORED WITH A MINIMUM SIX (6") INCHES OF TOPSOIL AND SEEDED AND MULCHED.

24. PER PennDOT PUBLICATION 408, SECTION 409.3-CONSTRUCTION, NO BITUMINOUS PAVEMENT WILL BE PLACED BETWEEN NOVEMBER 1 AND MARCH 31, UNLESS AN EXTENSION OF THE PAVING SEASON IS GRANTED IN WRITING BY THE MUNICIPAL ENGINEER. ALL ASPHALT TO ASPHALT AND ASPHALT TO CONCRETE JOINTS SHALL BE SEALED IN ACCORDANCE WITH PUB 408, SECTION 409.3(k).

25. THE CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT THE WORKMEN AND THE PUBLIC SHALL BE PROTECTED FROM INJURY WHILE PROTECTING THE ADJOINING PROPERTY FROM DAMAGE. THE CONTRACTOR SHALL KEEP THE WORK AREA FREE OF ACCUMULATION OF WASTE MATERIAL. THE CONTRACTOR SHALL REMOVE ALL WASTE MATERIAL FROM THE PROJECT SITE, AS WELL AS ALL TOOLS, EQUIPMENT AND SURPLUS MATERIAL.

26. ALL STORMWATER MANAGEMENT FACILITIES AND BMPs SHALL BE PERMANENT FIXTURES AND CANNOT BE MODIFIED WITHOUT PRIOR APPROVAL OF THE MUNICIPALITY AND COUNTY CONSERVATION DISTRICT. MODIFICATION, REMOVAL, FILING, LANDSCAPING, OR ALTERING ANY STORMWATER FACILITY, BMP OR EASEMENT, SHALL BE OTHERWISE PROHIBITED.

27. THE DESIGNATION OF EXCESS WASTE DISPOSAL AND CONSTRUCTION STAGING AREAS, WHICH MAY BE REQUIRED BUT ARE NOT SHOWN ON THE PLANS, ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL CONSTRUCTION WASTE AND DEBRIS, INCLUDING EXCESS EXCAVATED MATERIAL, ASPHALT, CONCRETE, SCRAP WOOD, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THIS MATERIAL SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

28. ALL TRENCHING SHALL OCCUR AS DESIGNATED BY THE PLANS. THE CONTRACTOR SHALL USE EQUIPMENT APPROPRIATE TO MAINTAIN A MAXIMUM PAVEMENT OPENING. IF A REVISED TRENCHING METHOD OR ALIGNMENT IS PROPOSED, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND OWNER IMMEDIATELY.

29. ALL EXCAVATIONS SHALL BE KEPT DRY TO PROTECT THEIR INTEGRITY. A SEDIMENT FILTER BAG OR EQUAL IMPLEMENTATION OF FILTERING IS REQUIRED BEFORE DISCHARGING.

30. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONTINUOUSLY MAINTAINED, RELOCATED WHEN NECESSARY AND SHALL BE INSPECTED AFTER EVERY RAINFALL EVENT. THE CONTRACTOR SHALL CHECK SEEDED AREAS REGULARLY. THESE AREAS SHALL BE WATERED, FERTILIZED, RESEED AND MULCHED AS NECESSARY, TO OBTAIN STABILIZED COVER.

31. THE CONTRACTOR SHALL COMPLY WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN. RE-GRADING, STRIPPING OF VEGETATION AND ANY OTHER WORK, SHALL BE DONE IN A MANNER TO MINIMIZE EROSION. EROSION AND SEDIMENT CONTROL BMPs REQUIRED BY THE CONSERVATION DISTRICT SHALL BE INSTALLED BY THE CONTRACTOR. SHOULD SEDIMENTATION OCCUR, IT IS THE RESPONSIBILITY OF THE ENTITY CAUSING THE SEDIMENTATION TO REMOVE IT FROM ANY AFFECTED AREAS. ANY DISTURBED AREAS SHALL BE STABILIZED IMMEDIATELY. TEMPORARY VEGETATION AND/OR MULCHING MAY BE UTILIZED TO PROTECT EXPOSED CRITICAL AREAS DURING CONSTRUCTION. DUST CONTROL MEASURES SHOULD BE EXERCISED DURING THE ENTIRETY OF CONSTRUCTION.

32. THE FINAL LAND DEVELOPMENT PLAN, ON ITS OWN, MAY NOT BE SUITABLE FOR CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE TO VERIFY WITH THE OWNER/PROJECT ENGINEER IF SUPPLEMENTAL INFORMATION IS REQUIRED ON ANY LAND DEVELOPMENT PLANS PRIOR TO ISSUANCE OF BIDDING AND CONSTRUCTION.

33. THE INFORMATION SHOWN ON THIS PLAN MAY HAVE ALSO BEEN RELEASED IN A DIGITAL DRAWING FORMAT. ONCE LIVIC CIVIL HAS RELEASED SUCH INFORMATION, WE TAKE NO RESPONSIBILITY OF ANY CHANGES THAT MAY OCCUR. THE ORIGINAL SEALED PLANS SHOULD BE REFERENCED TO ANY REPRODUCED MATERIAL THAT MAY BE VIEWED. ALSO ANY DIGITAL FILES OR DATA CONTAINED WITHIN, BEING USED WILL COME AT THE RISK OF THE USER.

- MASTERPLAN FOR PROJECT BOLT
- COUNTRY CLUB ROAD IMPROVEMENTS
- WATERMAIN RELOCATION(IN PROGRESS)
- PROJECT BOLT PRELIMINARY SUBDIVISION PLAN
- PPL SWITCHYARD SITE PLAN (BY PPL)
- SUBSTATION SITE PLAN (BY EPC)

THE FOLLOWING INFORMATION HAS BEEN OBTAINED FROM ORDINANCE No. 3-89, ENACTED JUNE 30, 1989, KNOWN AS THE MIDDLESEX TOWNSHIP ZONING ORDINANCE AND INCLUSIVE OF THE DATA CENTER OVERLAY ORDINANCE, AMENDMENT No. 3-2025, ENACTED ON MAY 30, 2025.

ZONING DISTRICT

- ❖ RESIDENTIAL FARM (RF) | UNIFIED DEVELOPMENT AREA (UDA) | DATA CENTER OVERLAY (DCO) FOR THIS PLAN AND PROJECT THE DATA CENTER OVERLAY DISTRICT SHALL GOVERN

	REQUIRED	PROPOSED
LOT REQUIREMENTS		
❖ MIN LOT SIZE	25 AC	124.20 AC
❖ MIN LOT WIDTH	200 FT	± 1572 FT
❖ MAX LOT COVERAGE	70%	< 70%
❖ MAX IMPERVIOUS COVERAGE	70%	< 70%
❖ MAX BUILDING HEIGHT	75 FT	< 75 FT
YARD SETBACKS		
❖ FRONT*	35 FT	> 35 FT
❖ SIDE* (EACH)	35 FT	> 35 FT
❖ REAR*	75 FT	> 75 FT
❖ * SETBACKS AND BUILDING MASSING ADJACENT TO RESIDENTIAL -	100 FT	> 100 FT
PARKING SETBACKS		
❖ SETBACKS AND BUILDING MASSING ADJACENT TO RESIDENTIAL -	50 FT	> 50 FT

PARKING REQUIREMENTS	TBD	TBD
❖ TO ENSURE THAT CERTAIN DEVELOPMENTS PROVIDE ADEQUATE, BUT NOT EXCESSIVE, VEHICLE PARKING, THE TOWNSHIP REQUIRES APPLICANTS THEREOF TO SUBMIT A WRITTEN COMPUTATION OF THEIR REQUIRED OFF-STREET PARKING SPACES BASED ON THE ESTIMATES PARKING DEMAND OF THE PROPOSED USE(S).		

- ❖ SHALL APPLY WHEN A LOT WITH AN EXISTING RESIDENTIAL USE OR A LOT WITHIN A RESIDENTIAL DISTRICT IS WITHIN 1,000 FEET OF THE BUILDING FACADE.

[illegible]

LIVVIC
civil

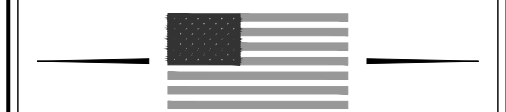
1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.livviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY
AND SHALL NOT BE REPRODUCED OR UTILIZED FOR
ANY PURPOSE WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM LIVVIC CIVIL, LLC. ONLY
APPROVED, SEALED PLANS SHALL BE
IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVVIC CIVIL, LLC

PROJECT No:		1258-01
DATE:		AUGUST 18, 2025
SCALE:		AS SHOWN
DRAWN BY:	RJB	CHECKED BY: JHR

PROJECT BOLT

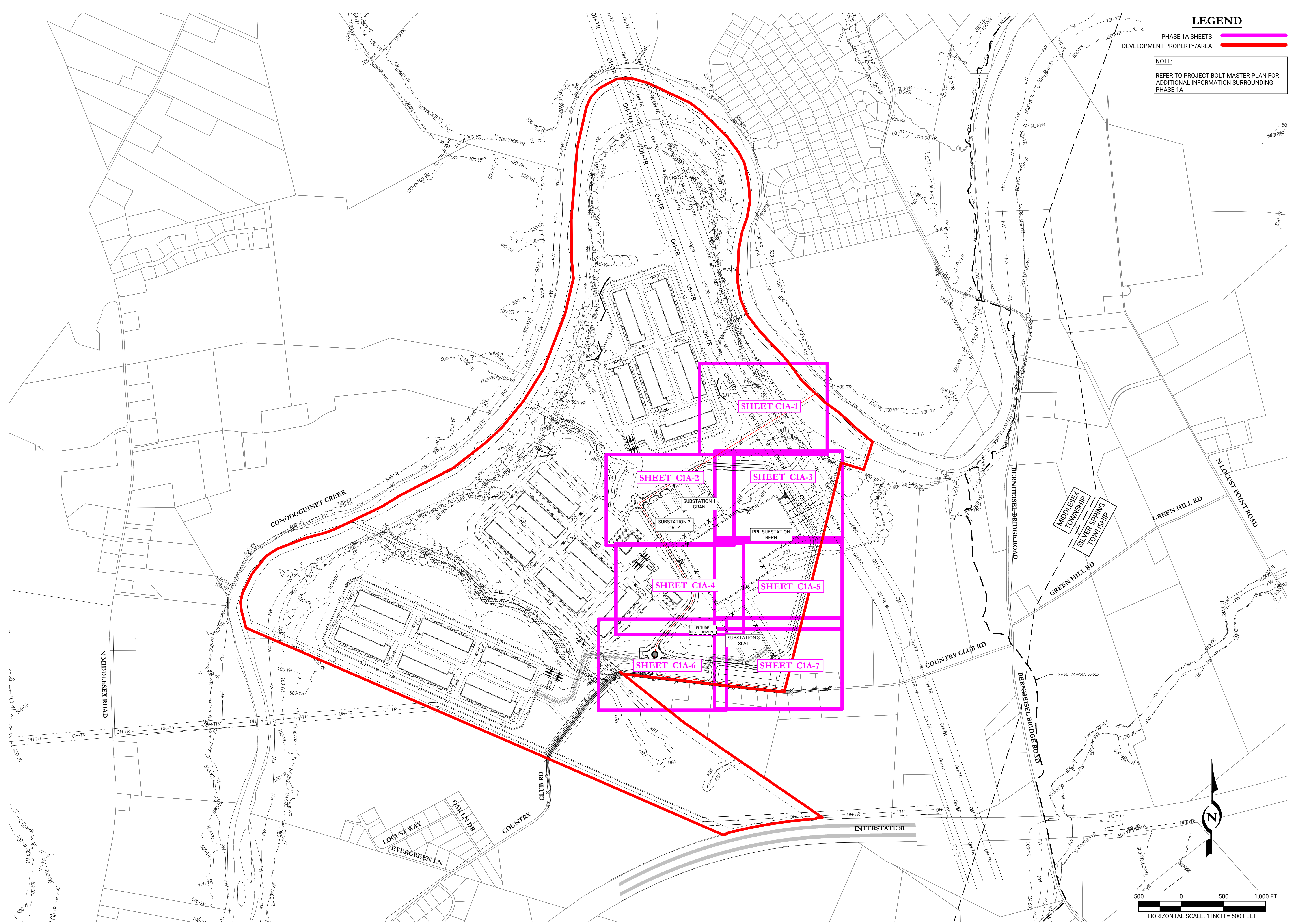
**MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA**



CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

GENERAL NOTES

SHEET NO. C1A 002



LEGEND

PHASE 1A SHEETS
DEVELOPMENT PROPERTY/AREA

NOTE:
REFER TO PROJECT BOLT MASTER PLAN FOR
ADDITIONAL INFORMATION SURROUNDING
PHASE 1A

REV	DATE	COMMENTS	CRP	JHR
1	08/18/25	INITIAL SUBMISSION		

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY
AND SHALL NOT BE REPRODUCED OR UTILIZED FOR
ANY PURPOSE WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY
APPROVED, SEALED PLANS SHALL BE
IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVIC CIVIL, LLC

PROJECT No:	1258-01
DATE:	AUGUST 18, 2025
SCALE:	AS SHOWN
DRAWN BY:	RJB
CHECKED BY:	JHR

PROJECT

PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

CLIENT

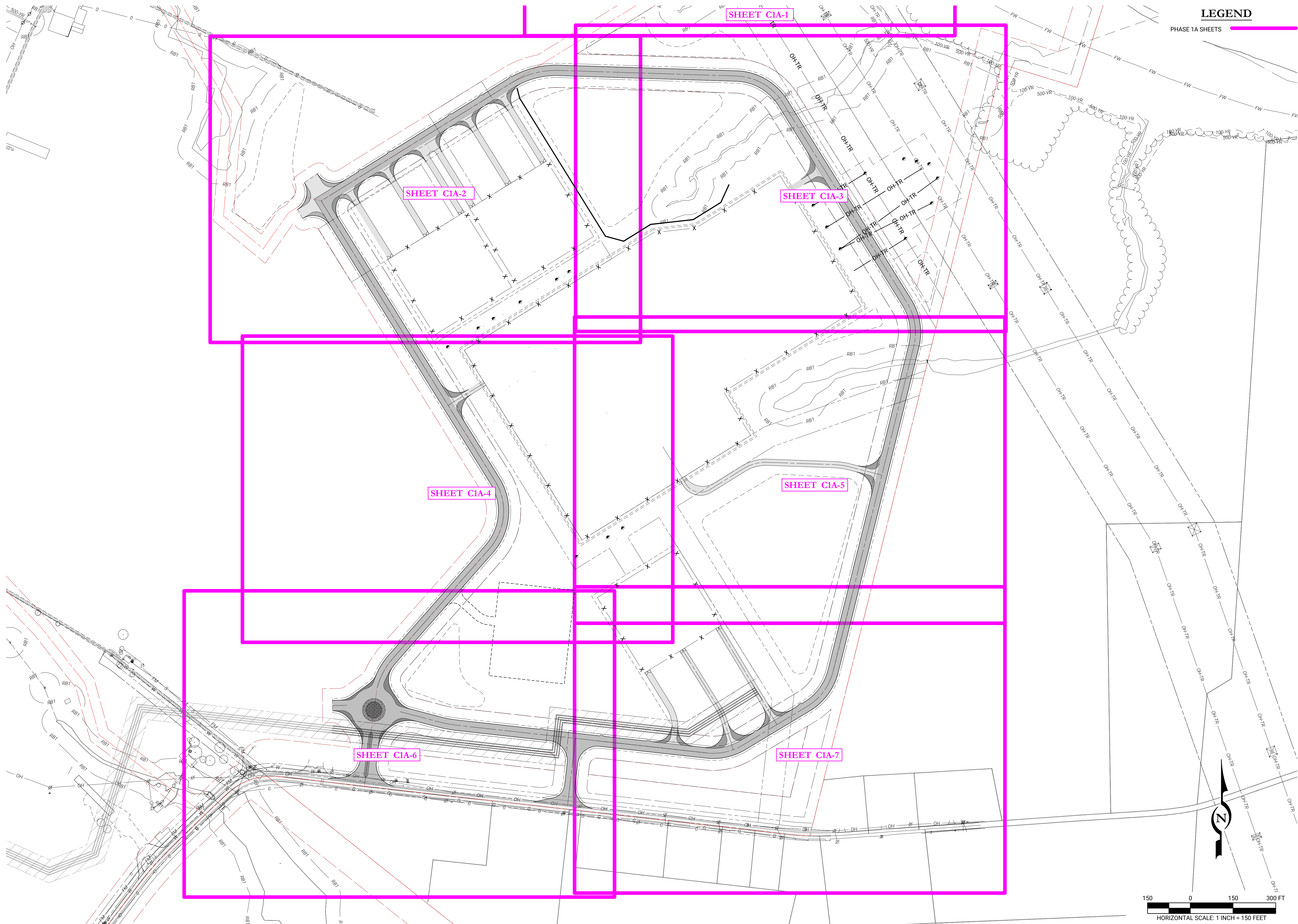
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

**MASTER PLAN
KEYMAP**

SHEET NO.

C1A 003



LEGEND

PHASE 1A SHEETS

REV	DATE	COMMENTS	BY	CHKD
1	08/18/25	INITIAL SUBMISSION	JHR	
		ISSUE / REVISIONS		

LIVIC
civil

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE REPRODUCED OR UTILIZED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY APPROVED, SEALED PLANS SHALL BE IMPLEMENTED FOR CONSTRUCTION PURPOSES. © 2025 LIVIC CIVIL, LLC

PROJECT No:	1258-01
DATE:	AUGUST 18, 2025
SCALE:	AS SHOWN
DRAWN BY:	RJB
CHECKED BY:	JHR

PROJECT
PROJECT BOLT

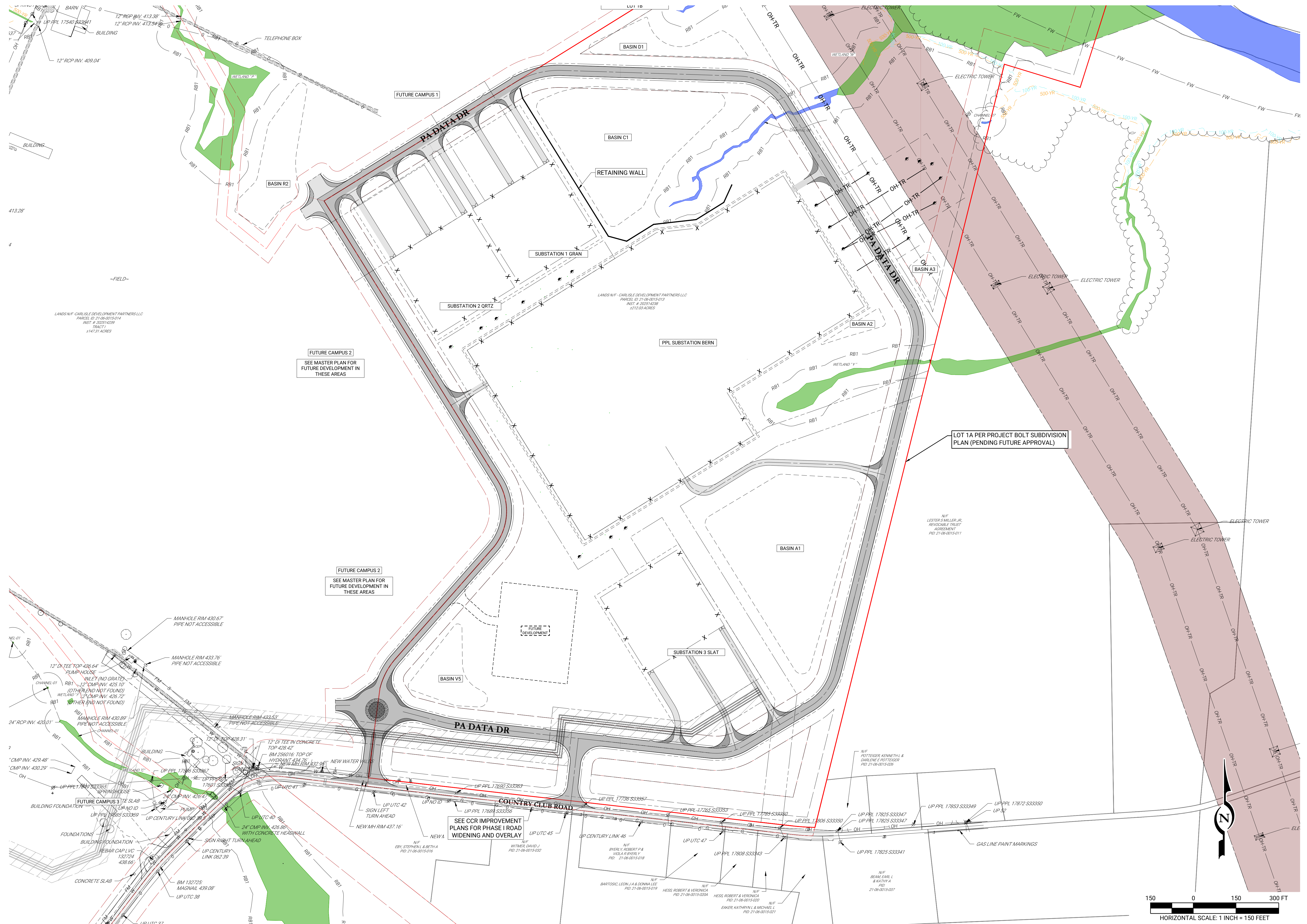
MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

CLIENT
**CARLISLE
DEVELOPMENT
PARTNERS, LLC**
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

**PHASE 1A
KEYMAP**

SHEET NO.
C1A 004



REVISIONS		DATE		BY		CHKD		JHR		CRP		COMMENTS		ISSUE / REVISIONS	
1	08/18/25	INITIAL SUBMISSION													

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE REPRODUCED OR UTILIZED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY APPROVED, SEALED PLANS SHALL BE IMPLEMENTED FOR CONSTRUCTION PURPOSES. © 2025 LIVIC CIVIL, LLC

PROJECT NO:	1258-01
DATE:	AUGUST 18, 2025
SCALE:	AS SHOWN
DRAWN BY:	RJB
CHECKED BY:	JHR

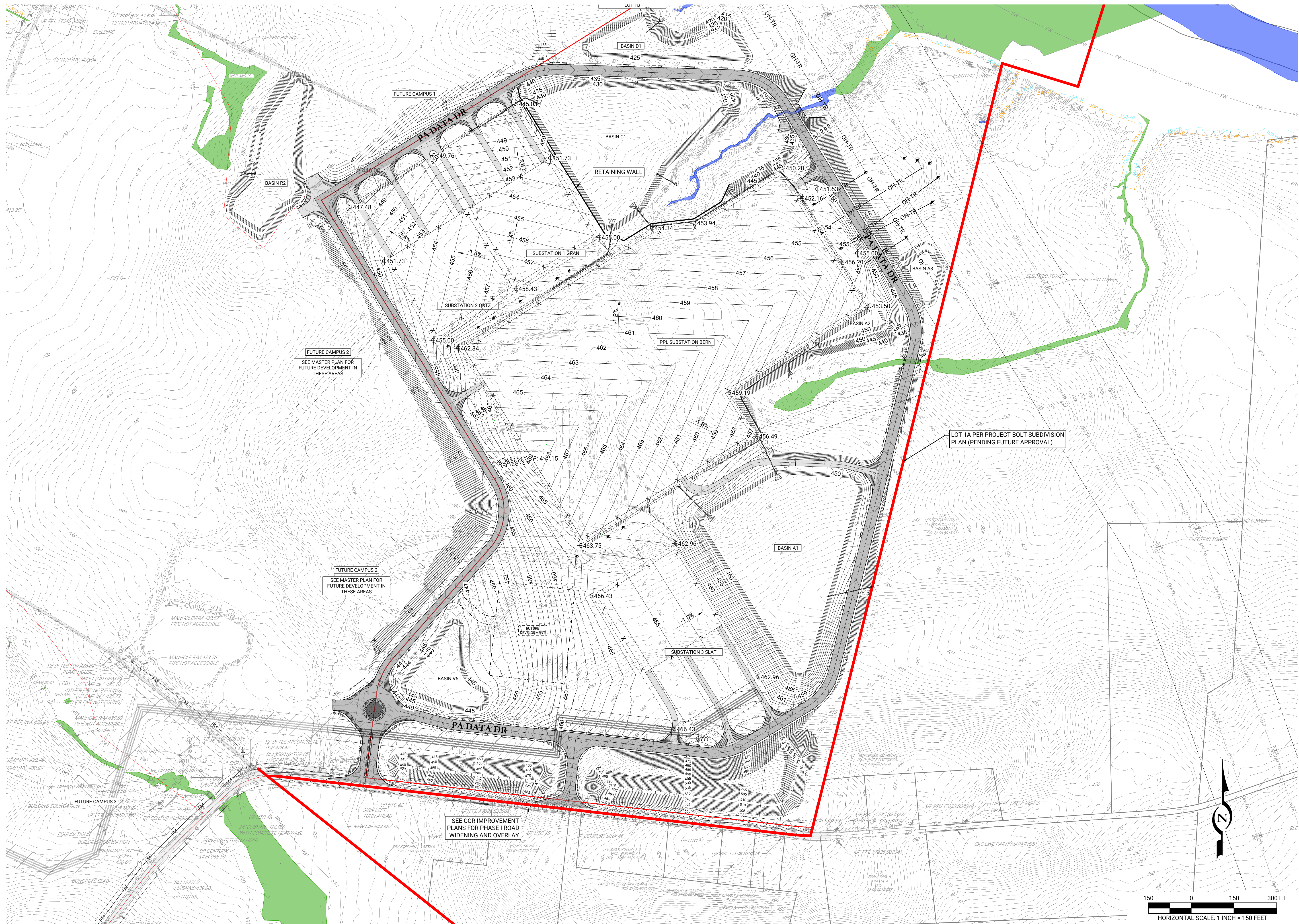
PROJECT

PROJECT BOLT

MIDDLESEX TOWNSHIP
CUMBERLAND COUNTY
PENNSYLVANIA

CLIENT
CARLISLE DEVELOPMENT PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE	PHASE 1A OVERALL SITE LAYOUT PLAN
SHEET NO.	C1A 006



REV	DATE	COMMENTS	CRP	JHR
1	08/18/25	INITIAL SUBMISSION		

ISSUE / REVISIONS

LIVIC
civil

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY
AND SHALL NOT BE REPRODUCED OR UTILIZED FOR
ANY PURPOSE WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY
APPROVED, SEALED PLANS SHALL BE
IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVIC CIVIL, LLC

PROJECT No: 1258-01
DATE: AUGUST 18, 2025
SCALE: AS SHOWN
DRAWN BY: RJB CHECKED BY: JHR

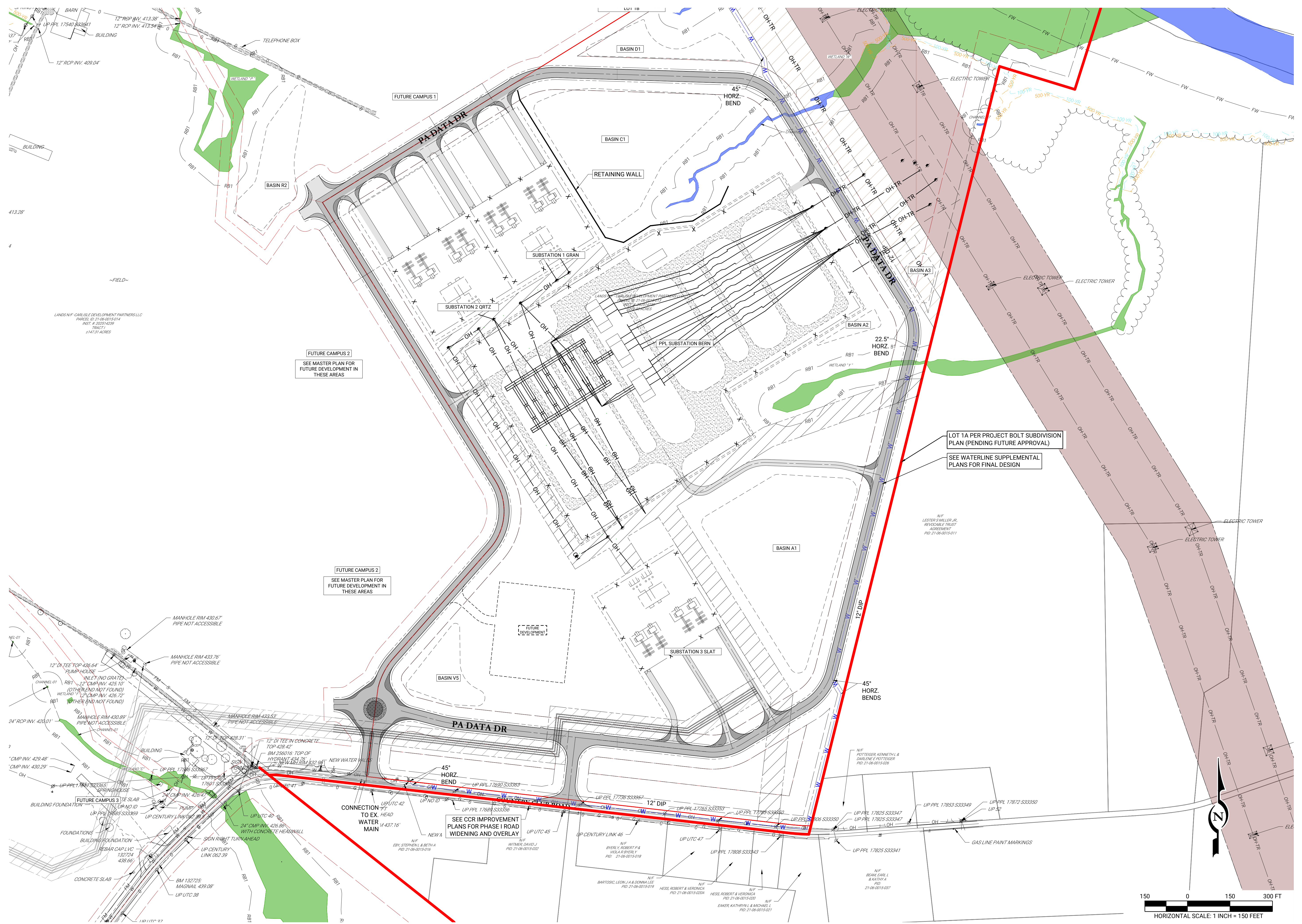
PROJECT
PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE
**PHASE 1A
OVERALL
GRADING &
STORMWATER
PLAN**

SHEET NO.
C1A 007



REV	DATE	ISSUE / REVISIONS
1	08/18/25	INITIAL SUBMISSION

LIVIC
civil

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE REPRODUCED OR UTILIZED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY APPROVED, SEALED PLANS SHALL BE IMPLEMENTED FOR CONSTRUCTION PURPOSES. © 2025 LIVIC CIVIL, LLC

PROJECT No: 1258-01
DATE: AUGUST 18, 2025
SCALE: AS SHOWN
DRAWN BY: RJB CHECKED BY: JHR

PROJECT
PROJECT BOLT

MIDDLESEX TOWNSHIP
CUMBERLAND COUNTY
PENNSYLVANIA

CLIENT
CARLISLE DEVELOPMENT PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE
**PHASE 1A
OVERALL UTILITY PLAN**

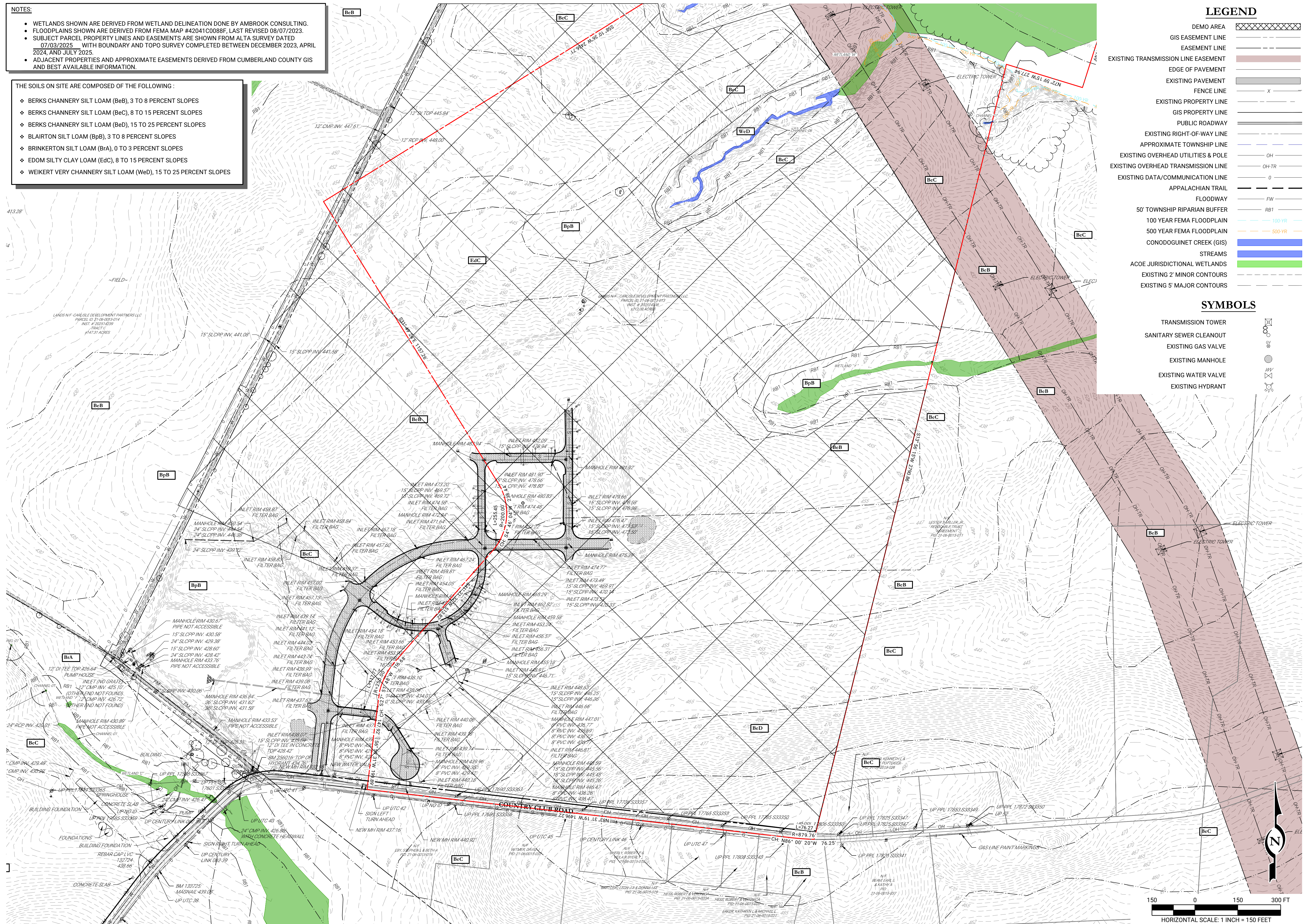
SHEET NO.
C1A 008

NOTES:

- WETLANDS SHOWN ARE DERIVED FROM WETLAND DELINEATION DONE BY AMBROOK CONSULTING.
- FLOODPLAINS SHOWN ARE DERIVED FROM FEMA MAP #42041C0089F, LAST REVISED 08/07/2023.
- SUBJECT PARCEL PROPERTY LINES AND EASEMENTS ARE SHOWN FROM ALTA SURVEY DATED 07/03/2025 WITH BOUNDARY AND TOPO SURVEY COMPLETED BETWEEN DECEMBER 2023, APRIL 2024, AND JULY 2025.
- ADJACENT PROPERTIES AND APPROXIMATE EASEMENTS DERIVED FROM CUMBERLAND COUNTY GIS AND BEST AVAILABLE INFORMATION.

THE SOILS ON SITE ARE COMPOSED OF THE FOLLOWING :

- BERKS CHANNERY SILT LOAM (BeB), 3 TO 8 PERCENT SLOPES
- BERKS CHANNERY SILT LOAM (BeC), 8 TO 15 PERCENT SLOPES
- BERKS CHANNERY SILT LOAM (BeD), 15 TO 25 PERCENT SLOPES
- BLAIRTON SILT LOAM (BpB), 3 TO 8 PERCENT SLOPES
- BRINKERTON SILT LOAM (BrA), 0 TO 3 PERCENT SLOPES
- EDOM SILTY CLAY LOAM (EdC), 8 TO 15 PERCENT SLOPES
- WEIKERT VERY CHANNERY SILT LOAM (WeD), 15 TO 25 PERCENT SLOPES



LEGEND

DEMO AREA	
GIS EASEMENT LINE	
EASEMENT LINE	
EXISTING TRANSMISSION LINE EASEMENT	
EDGE OF PAVEMENT	
EXISTING PAVEMENT	
FENCE LINE	
EXISTING PROPERTY LINE	
GIS PROPERTY LINE	
PUBLIC ROADWAY	
EXISTING RIGHT-OF-WAY LINE	
APPROXIMATE TOWNSHIP LINE	
EXISTING OVERHEAD UTILITIES & POLE	
EXISTING OVERHEAD TRANSMISSION LINE	
EXISTING DATA/COMMUNICATION LINE	
APPALACHIAN TRAIL	
FLOODWAY	
50' TOWNSHIP RIPARIAN BUFFER	
100 YEAR FEMA FLOODPLAIN	
500 YEAR FEMA FLOODPLAIN	
CONODOGUINET CREEK (GIS)	
STREAMS	
ACOE JURISDICTIONAL WETLANDS	
EXISTING 2' MINOR CONTOURS	
EXISTING 5' MAJOR CONTOURS	

SYMBOLS

TRANSMISSION TOWER	
SANITARY SEWER CLEANOUT	
EXISTING GAS VALVE	
EXISTING MANHOLE	
EXISTING WATER VALVE	
EXISTING HYDRANT	



1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY
AND SHALL NOT BE REPRODUCED OR UTILIZED FOR
ANY PURPOSE WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY
APPROVED, SEALED PLANS SHALL BE
IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVIC CIVIL, LLC

PROJECT No: 1259-01
DATE: AUGUST 18, 2025
SCALE: AS SHOWN
DRAWN BY: RJB CHECKED BY: JHR

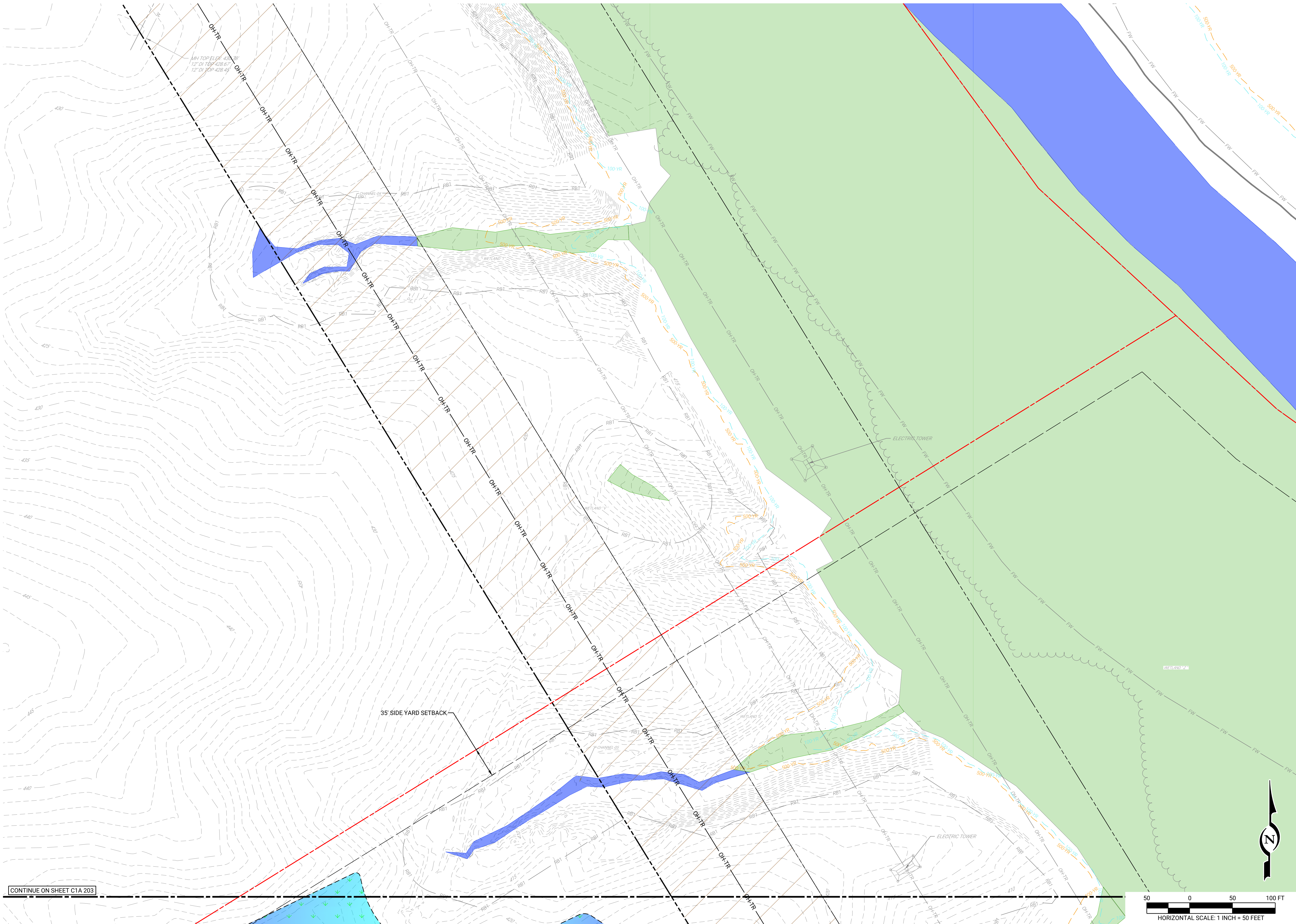
PROJECT
PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

CLIENT
**CARLISLE
DEVELOPMENT
PARTNERS, LLC**
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE
**EXISTING
CONDITIONS &
DEMO PLAN**

SHEET NO.
C1A 101



--

--

REV	DATE	COMMENTS	CRP	JHR
1	08/18/25	INITIAL SUBMISSION	BY	CHKD
		ISSUE / REVISIONS		

LIVIC
civil

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE REPRODUCED OR UTILIZED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY APPROVED, SEALED PLANS SHALL BE IMPLEMENTED FOR CONSTRUCTION PURPOSES. © 2025 LIVIC CIVIL, LLC

PROJECT No:	1258-01
DATE:	AUGUST 18, 2025
SCALE:	AS SHOWN
DRAWN BY:	RJB CHECKED BY: JHR

PROJECT

PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

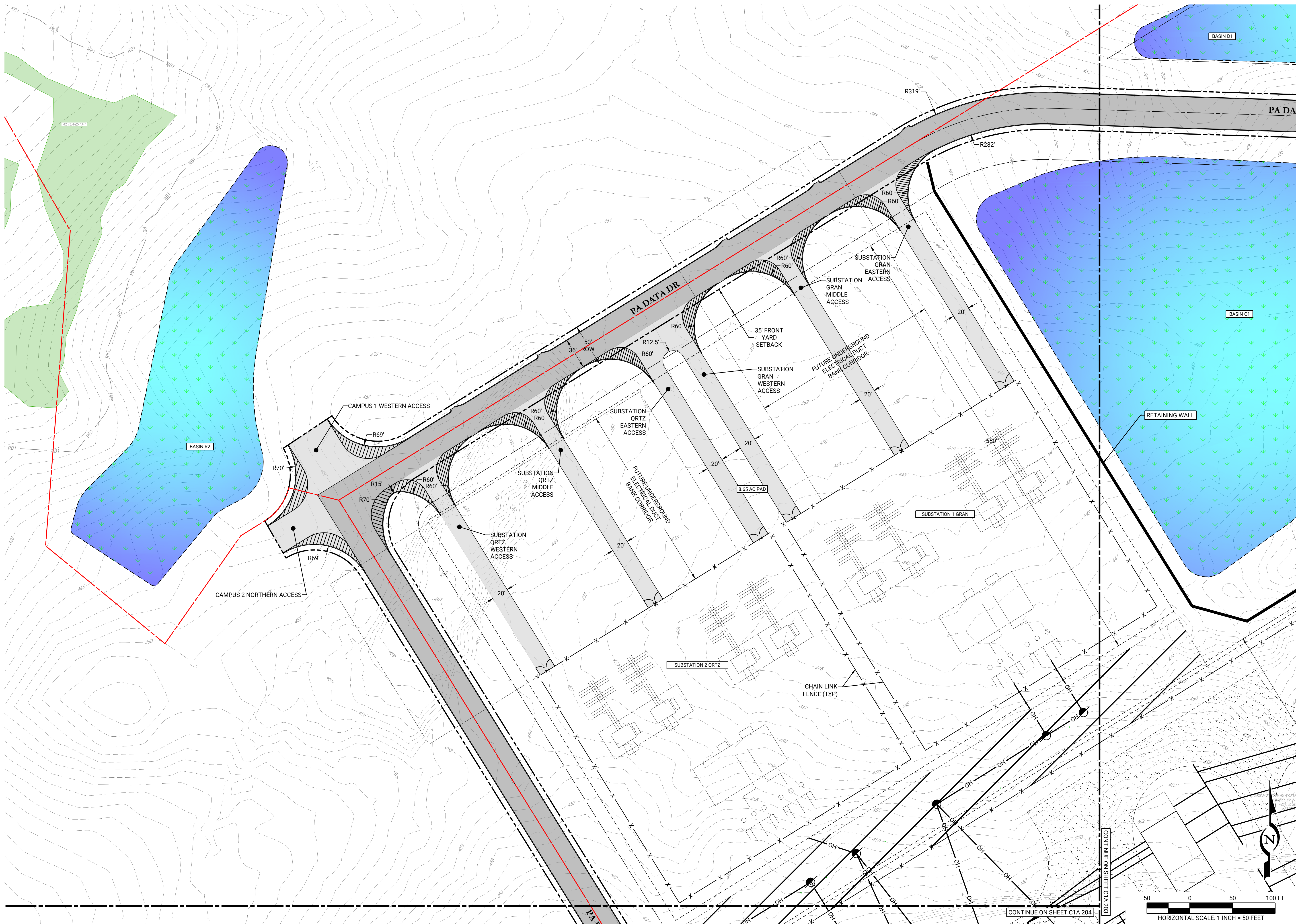
CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

SITE LAYOUT PLAN

SHEET NO.

C1A 201



--

--

REV	DATE	COMMENTS	ISSUE / REVISIONS
1	08/18/25	INITIAL SUBMISSION	JHR BY CRP CHKD

LIVIC
civil

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE REPRODUCED OR UTILIZED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY APPROVED, SEALED PLANS SHALL BE IMPLEMENTED FOR CONSTRUCTION PURPOSES. © 2025 LIVIC CIVIL, LLC

PROJECT No:	1258-01
DATE:	AUGUST 18, 2025
SCALE:	AS SHOWN
DRAWN BY:	RJB
CHECKED BY:	JHR

PROJECT

PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

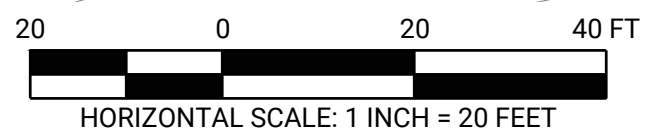
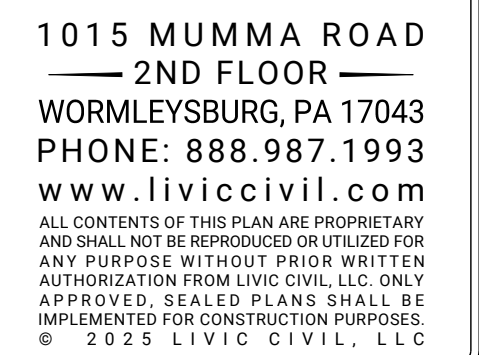
SHEET TITLE

SITE LAYOUT PLAN

SHEET NO.

C1A 202

CONTINUE ON SHEET C1A 206

[illegible]

PROJECT No:		1258-01	
DATE:		AUGUST 18, 2025	
SCALE:		AS SHOWN	
DRAWN BY:		RJB	CHECKED BY: JHR

PROJECT BOLT

**MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA**

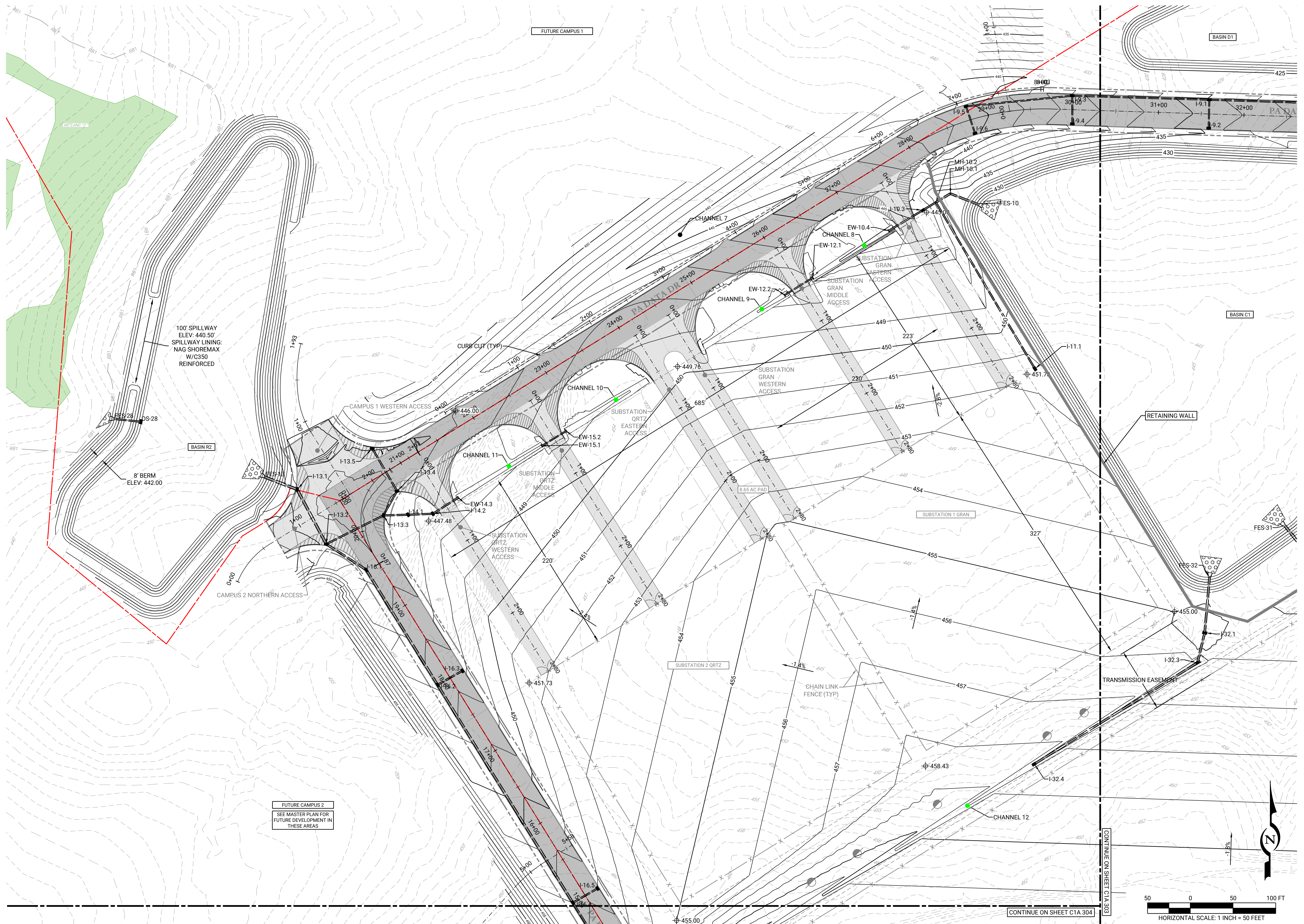
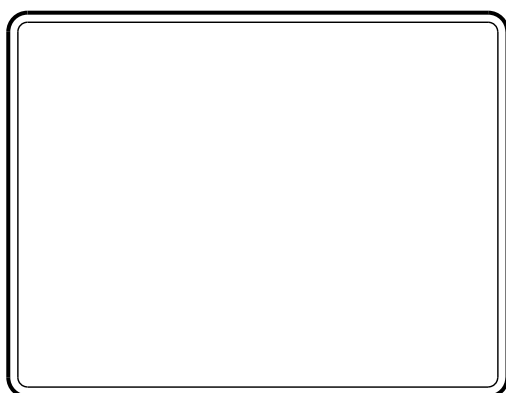
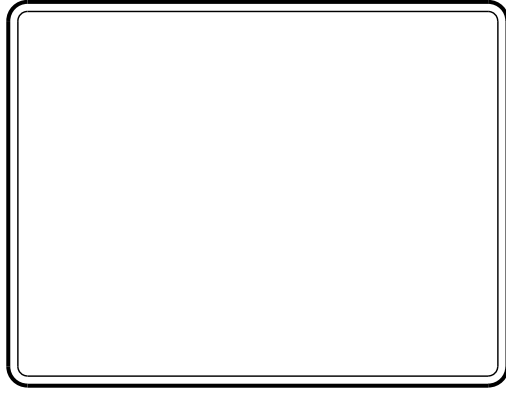


CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

SITE LAYOUT PLAN

SHEET NO. C1A 207



ISSUE / REVISIONS		DATE	BY	CHKD	COMMENTS
1	08/18/25	INITIAL SUBMISSION			

LIVIC
civil

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE REPRODUCED OR UTILIZED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY APPROVED, SEALED PLANS SHALL BE IMPLEMENTED FOR CONSTRUCTION PURPOSES. © 2025 LIVIC CIVIL, LLC

PROJECT No:	1259-01
DATE:	AUGUST 18, 2025
SCALE:	AS SHOWN
DRAWN BY:	RJB
CHECKED BY:	JHR

PROJECT
PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE
**GRADING &
STORMWATER
PLAN**

SHEET NO.
C1A 302



PROJECT NO. 1259-01
DATE: AUGUST 18, 2025
SCALE: AS SHOWN
DRAWN BY: RJB CHECKED BY: JHR

PROJECT
PROJECT BOLT
MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE		SHEET NO.	
GRADING & STORMWATER PLAN		C1A 303	

SHEET TITLE		SHEET NO.	
GRADING & STORMWATER PLAN		C1A 303	

SHEET TITLE		SHEET NO.	
GRADING & STORMWATER PLAN		C1A 303	

SHEET TITLE		SHEET NO.	
GRADING & STORMWATER PLAN		C1A 303	

SHEET TITLE		SHEET NO.	
GRADING & STORMWATER PLAN		C1A 303	

SHEET TITLE		SHEET NO.	
GRADING & STORMWATER PLAN		C1A 303	

SHEET TITLE		SHEET NO.	
GRADING & STORMWATER PLAN		C1A 303	



PPL SUBSTATION BERN
21.22 AC
REFER TO PPL SUBSTATION B
SITE PLANS

FUTURE CAMPUS 2
SEE MASTER PLAN FOR
FUTURE DEVELOPMENT IN
THESE AREAS

LIVIC
civil
1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com
ALL CONTENTS OF THIS PLAN ARE PROPRIETARY
AND SHALL NOT BE REPRODUCED OR UTILIZED FOR
ANY PURPOSE WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY
APPROVED, SEALED PLANS SHALL BE
IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVIC CIVIL, LLC

PROJECT No: 1259-01
DATE: AUGUST 18, 2025
SCALE: AS SHOWN
DRAWN BY: RJB CHECKED BY: JHR

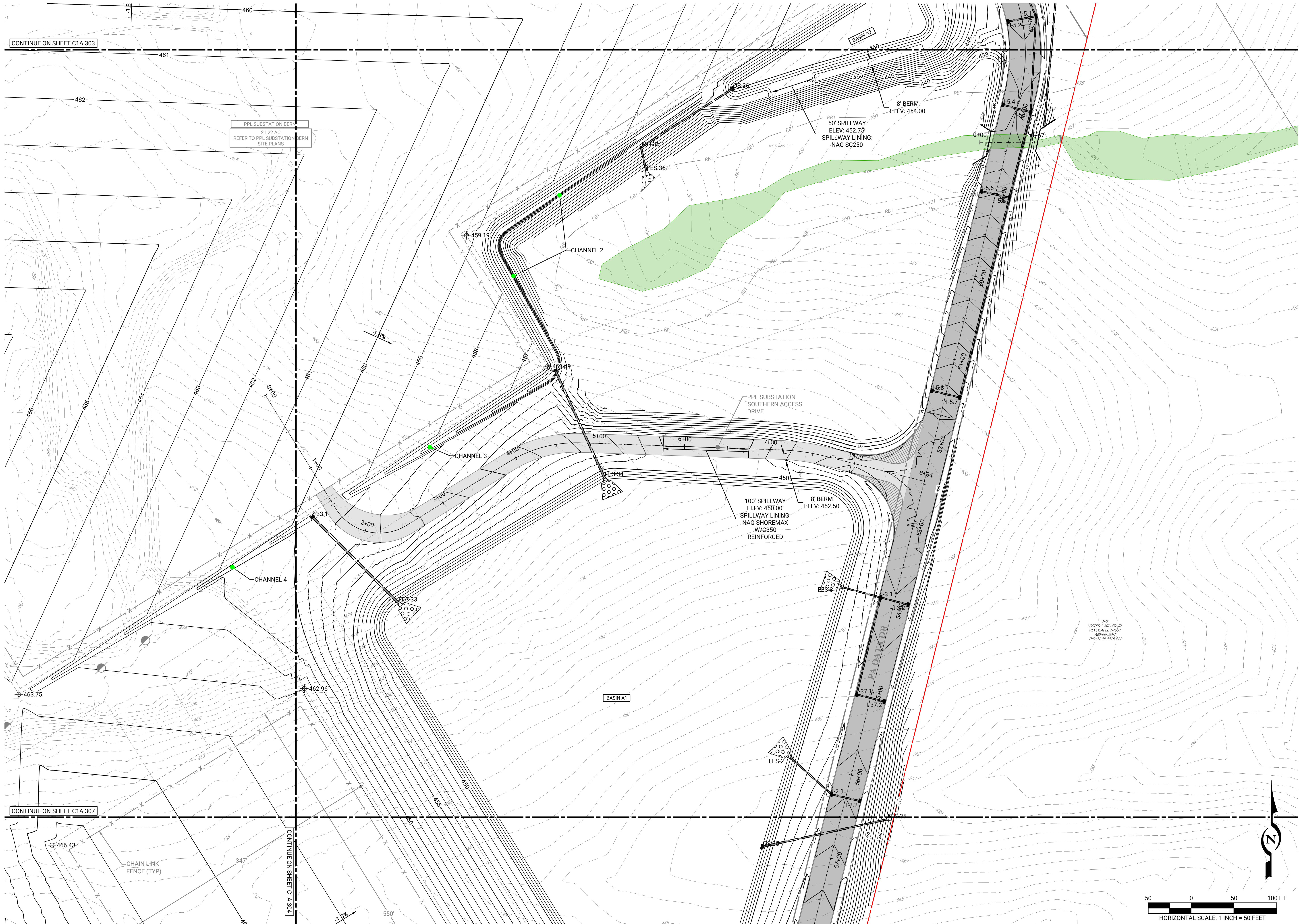
PROJECT
PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE
**GRADING &
STORMWATER
PLAN**

SHEET NO.
C1A 304



REV	DATE	COMMENTS	BY	CHKD
1	08/18/25	INITIAL SUBMISSION	CRP	JHR

ISSUE / REVISIONS

LIVIC
civil

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE REPRODUCED OR UTILIZED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY APPROVED, SEALED PLANS SHALL BE IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVIC CIVIL, LLC

PROJECT No: 1258-01
DATE: AUGUST 18, 2025
SCALE: AS SHOWN
DRAWN BY: RJB CHECKED BY: JHR

PROJECT
PROJECT BOLT

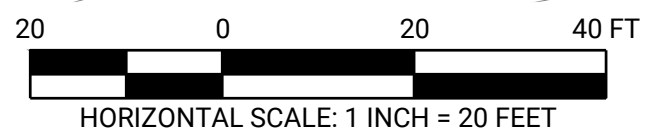
MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE
GRADING & STORMWATER PLAN

SHEET NO.
C1A 305

CONTINUE ON SHEET C1A 306

[illegible]

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY
AND SHALL NOT BE REPRODUCED OR UTILIZED FOR
ANY PURPOSE WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY
APPROVED, SEALED PLANS SHALL BE
IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVIC CIVIL, LLC

PROJECT No:		1258-01	
DATE:		AUGUST 18, 2025	
SCALE:		AS SHOWN	
DRAWN BY:	RJB	CHECKED BY:	JHR

PROJECT BOLT

**MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA**

CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

GRADING &
STORMWATER
PLAN

SHEET NO. C1A 307



--	--	--	--

--	--	--	--

REV	DATE	COMMENTS	ISSUE / REVISIONS
1	08/18/25	INITIAL SUBMISSION	

LIVIC

civil

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY
AND SHALL NOT BE REPRODUCED OR UTILIZED FOR
ANY PURPOSE WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY
APPROVED, SEALED PLANS SHALL BE
IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVIC CIVIL, LLC

PROJECT No:	1259-01
DATE:	AUGUST 18, 2025
SCALE:	AS SHOWN
DRAWN BY:	RJB
CHECKED BY:	JHR

PROJECT

PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

UTILITY PLAN

SHEET NO.
C1A 402



ISSUE / REVISIONS		DATE	BY	CHKD	COMMENTS
1	08/18/25	INITIAL SUBMISSION			

LIVIC

civil

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY
AND SHALL NOT BE REPRODUCED OR UTILIZED FOR
ANY PURPOSE WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY
APPROVED, SEALED PLANS SHALL BE
IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVIC CIVIL, LLC

PROJECT No:	1259-01
DATE:	AUGUST 18, 2025
SCALE:	AS SHOWN
DRAWN BY:	RJB
CHECKED BY:	JHR

PROJECT

PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

CLIENT

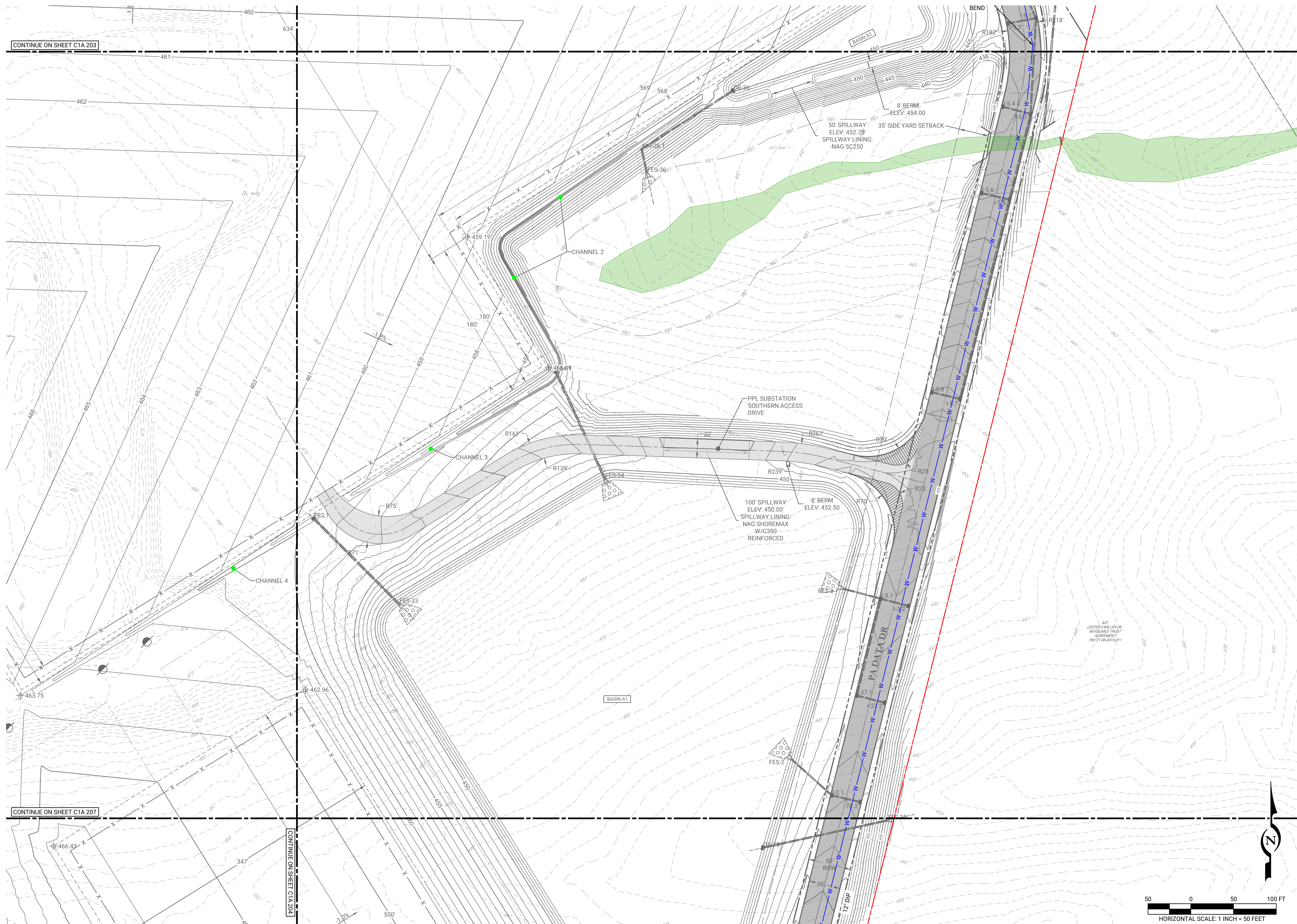
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

UTILITY PLAN

SHEET NO.

C1A 403



LIVIC
civil

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY
AND SHALL NOT BE REPRODUCED OR UTILIZED FOR
ANY PURPOSE WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY
APPROVED, SEALED PLANS SHALL BE
IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVIC CIVIL, LLC

PROJECT No:		1258-01	
DATE:		AUGUST 18, 2023	
SCALE:		AS SHOWN	
DRAWN BY: RJB		CHECKED BY: JHF	

PROJECT

PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

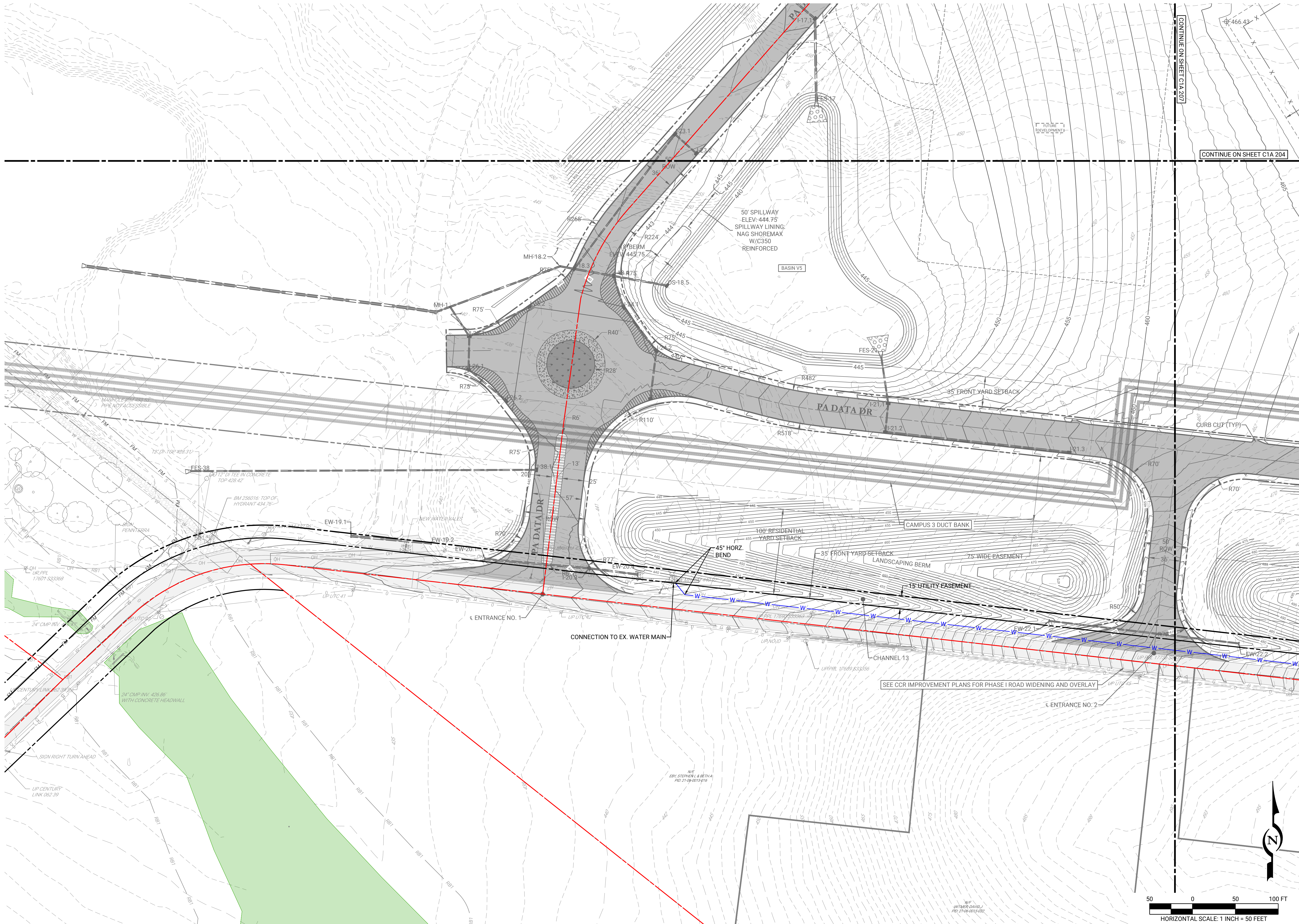
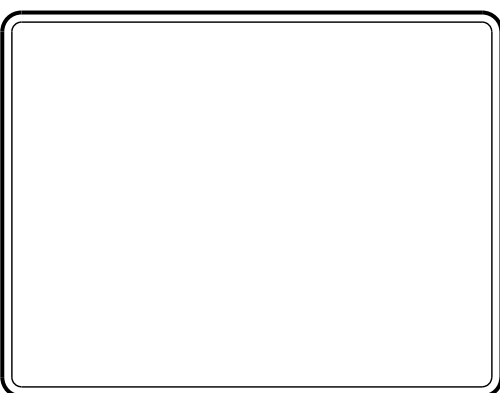


CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

UTILITY PLAN

SHEET NO. C1A 405



REV	DATE	COMMENTS	ISSUE / REVISIONS	
			CRP	JHR
1	08/18/25	INITIAL SUBMISSION	BY	CHKD

LIVIC
civil
1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com
ALL CONTENTS OF THIS PLAN ARE PROPRIETARY
AND SHALL NOT BE REPRODUCED OR UTILIZED FOR
ANY PURPOSE WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY
APPROVED, SEALED PLANS SHALL BE
IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVIC CIVIL, LLC

PROJECT No: 1259-01
DATE: AUGUST 18, 2025
SCALE: AS SHOWN
DRAWN BY: RJB CHECKED BY: JHR

PROJECT
PROJECT BOLT

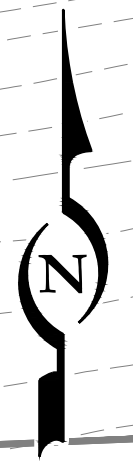
MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

CLIENT
**CARLISLE
DEVELOPMENT
PARTNERS, LLC**
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE
UTILITY PLAN

SHEET NO.
C1A 406

CONTINUE ON SHEET C1A 206



HORIZONTAL SCALE: 1 INCH = 50 FEET

[illegible]

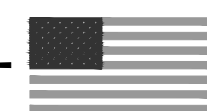
ALL CONTENTS OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE REPRODUCED OR UTILIZED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY APPROVED, SEALED PLANS SHALL BE IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVIC CIVIL, LLC

PROJECT No:		1258-01	
DATE:		AUGUST 18, 2023	
SCALE:		AS SHOWN	
DRAWN BY:		RJB	CHECKED BY: JHF

PROJECT

PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

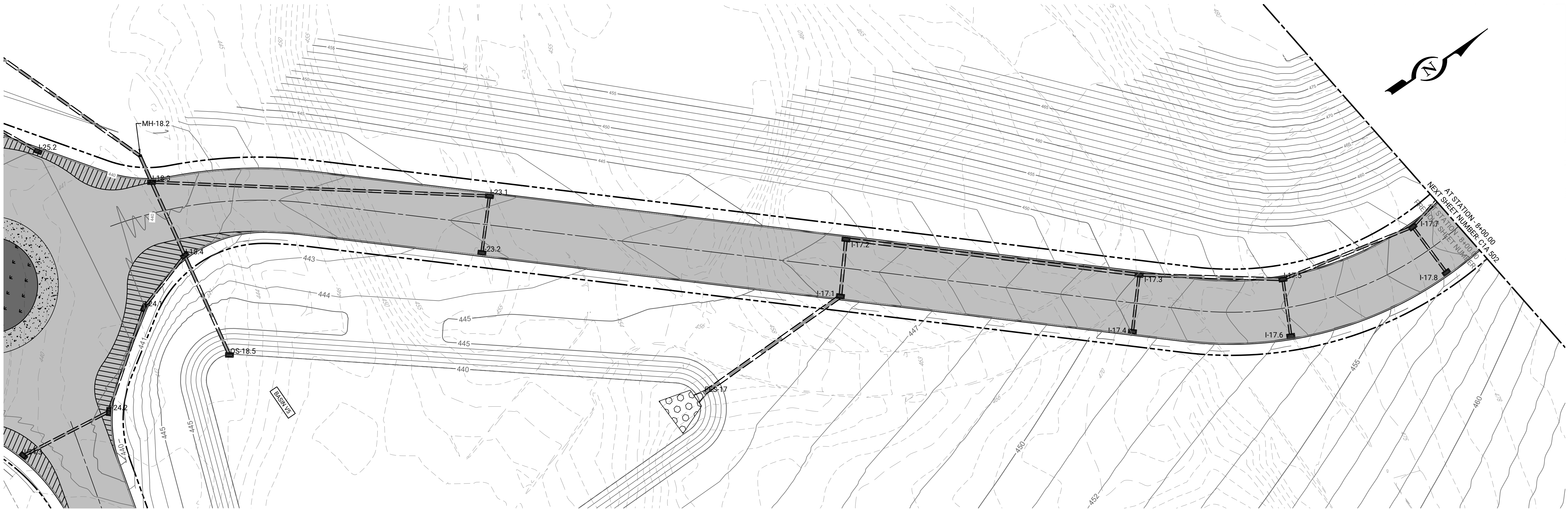
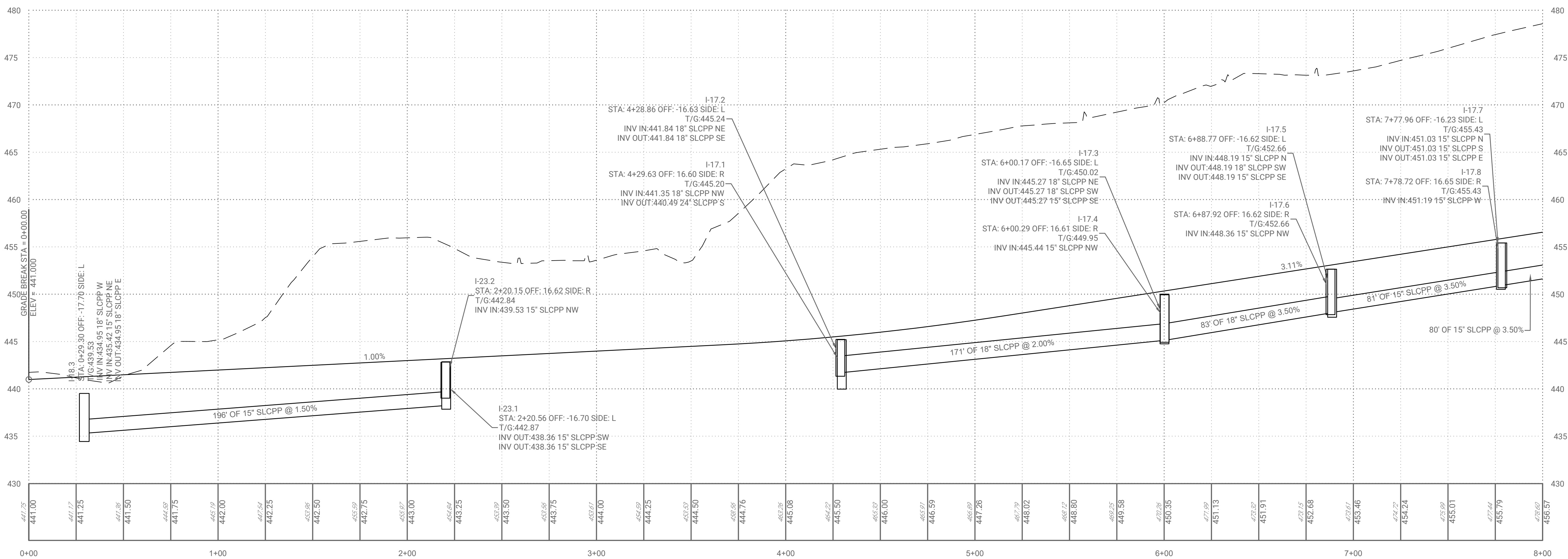


CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

UTILITY PLAN

SHEET NO. C1A 407



ALI-03 PA DATA DRIVE PROFILE

LIVIC
civil
1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com
ALL CONTENTS OF THIS PLAN ARE PROPRIETARY
AND SHALL NOT BE REPRODUCED OR UTILIZED FOR
ANY PURPOSE WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY
APPROVED, SEALED PLANS SHALL BE
IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVIC CIVIL, LLC

PROJECT No:	1258-01
DATE:	AUGUST 18, 2025
SCALE:	AS SHOWN
DRAWN BY:	RJB
CHECKED BY:	JHR

PROJECT BOLT

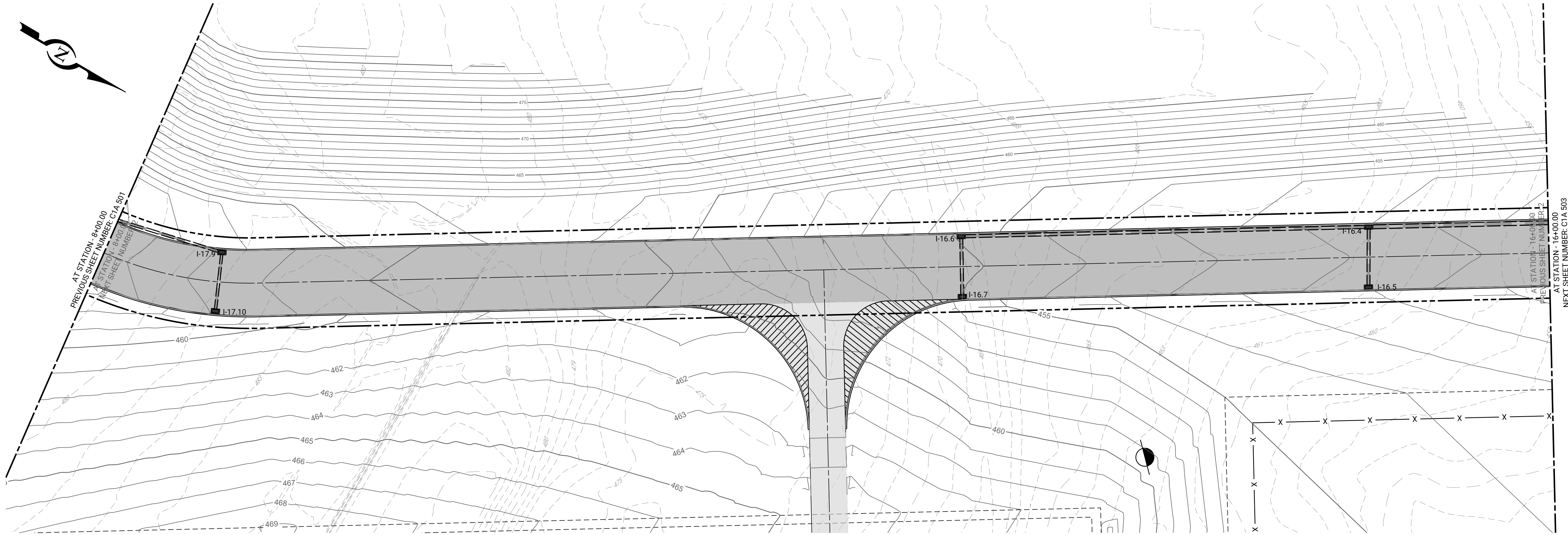
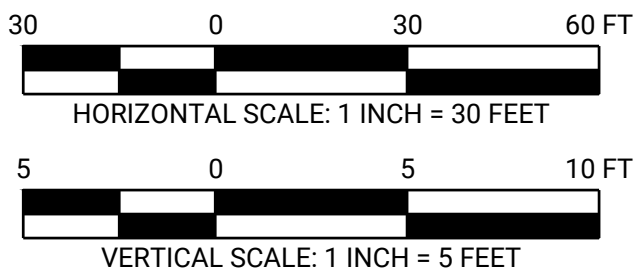
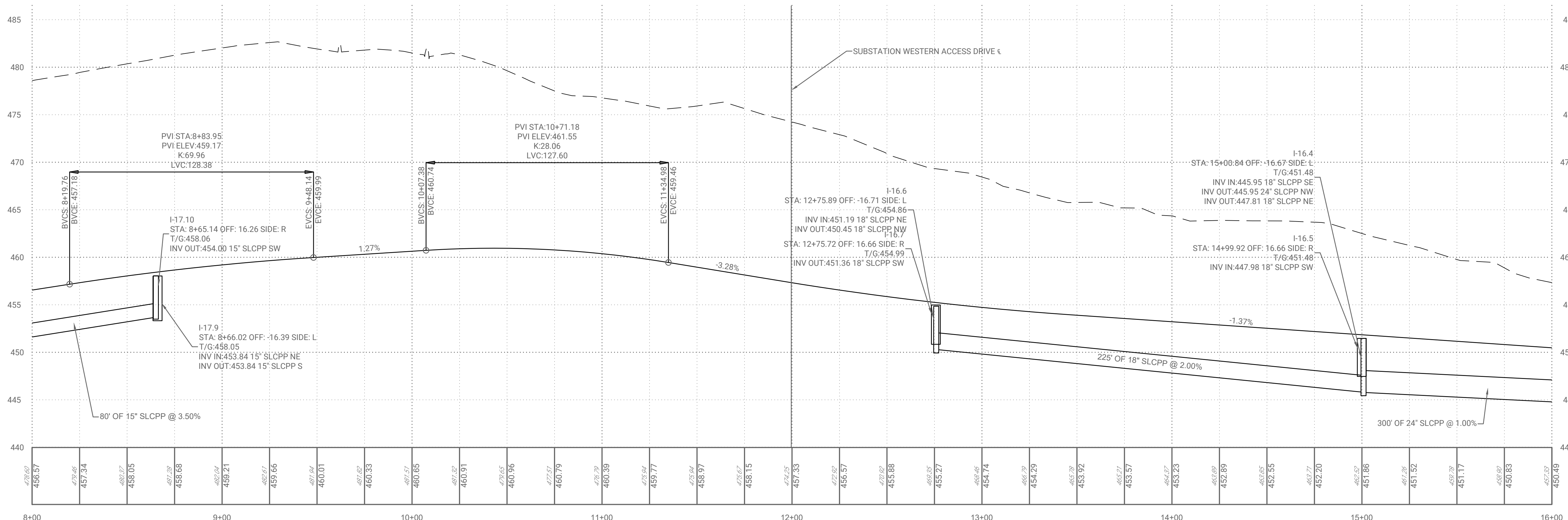
**MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA**

CLIENT
**CARLISLE
DEVELOPMENT
PARTNERS, LLC**
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

**ROADWAY PLAN
AND PROFILE**

SHEET NO.
C1A 501



ALI-03 PA DATA DRIVE PROFILE

REV	DATE	ISSUE / REVISIONS	CRP	JHR	BY	CHKD
1	08/18/25	INITIAL SUBMISSION				

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE REPRODUCED OR UTILIZED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY APPROVED, SEALED PLANS SHALL BE IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVIC CIVIL, LLC

PROJECT No: 1258-01
DATE: AUGUST 18, 2025
SCALE: AS SHOWN
DRAWN BY: RJB | CHECKED BY: JHR

PROJECT
PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

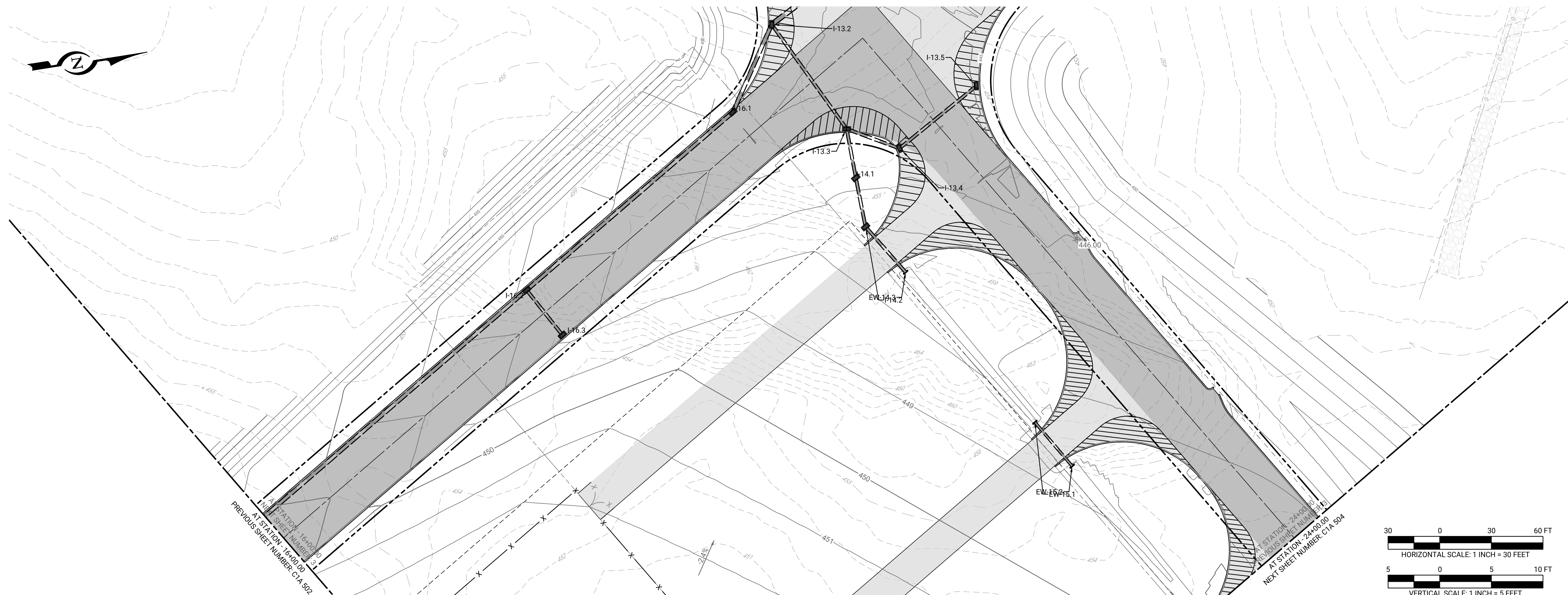
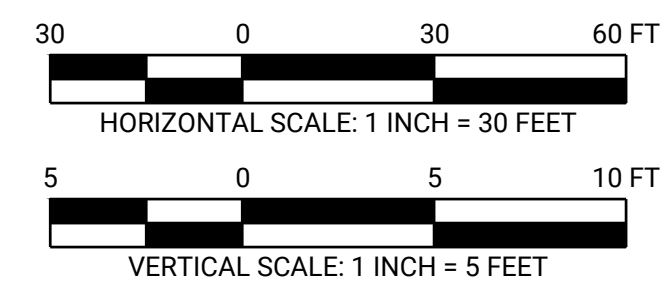
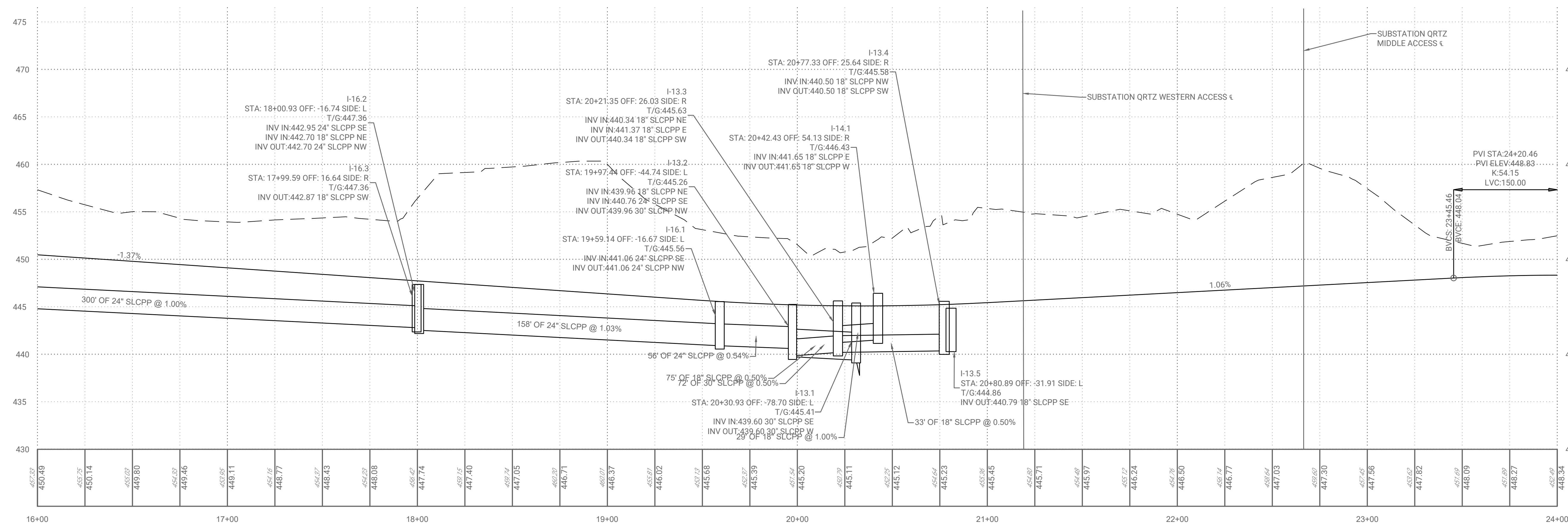
CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

ROADWAY PLAN
AND PROFILE

SHEET NO.

C1A 502



ALI-03 PA DATA DRIVE PROFILE



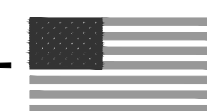
1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE REPRODUCED OR UTILIZED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY APPROVED, SEALED PLANS SHALL BE IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVIC CIVIL, LLC

PROJECT No:		1258-01	
DATE:		AUGUST 18, 2023	
SCALE:		AS SHOWN	
DRAWN BY: RJB		CHECKED BY: JHF	

PROJECT BOLT

**MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA**

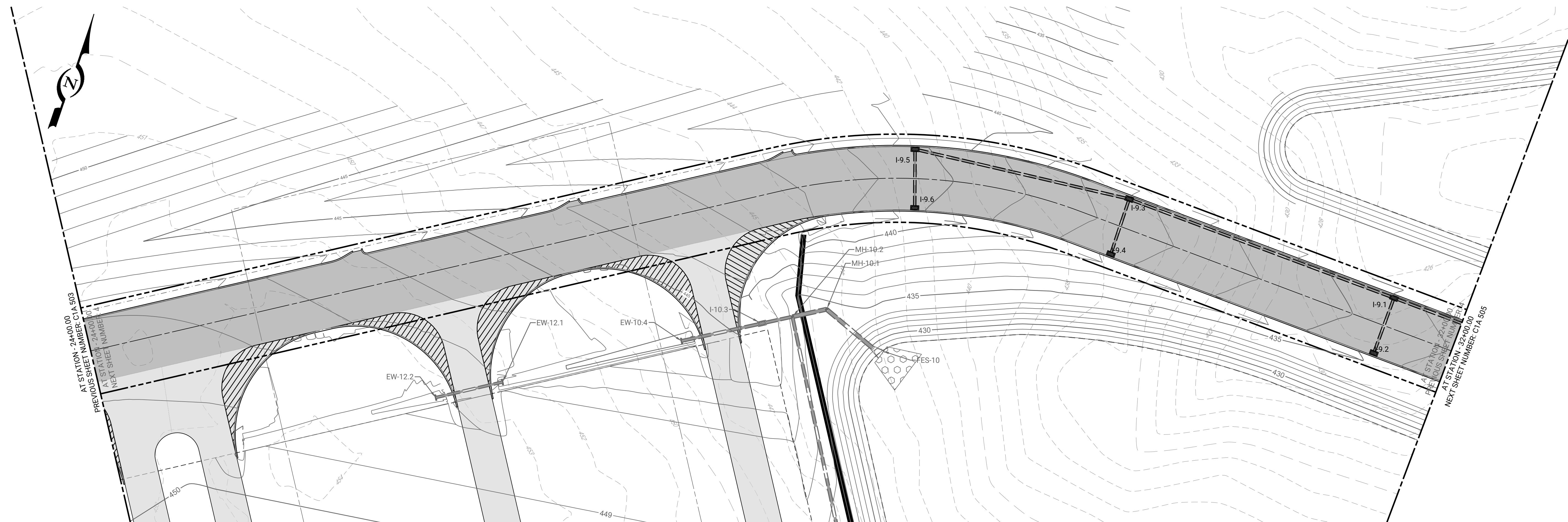
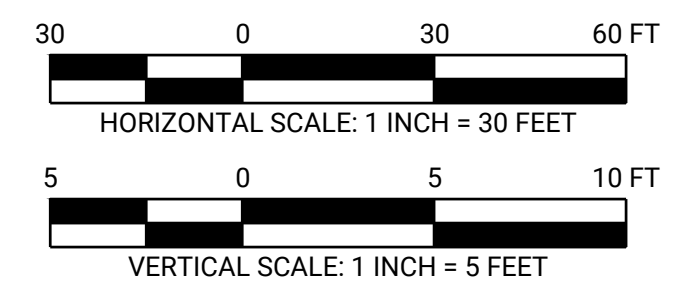
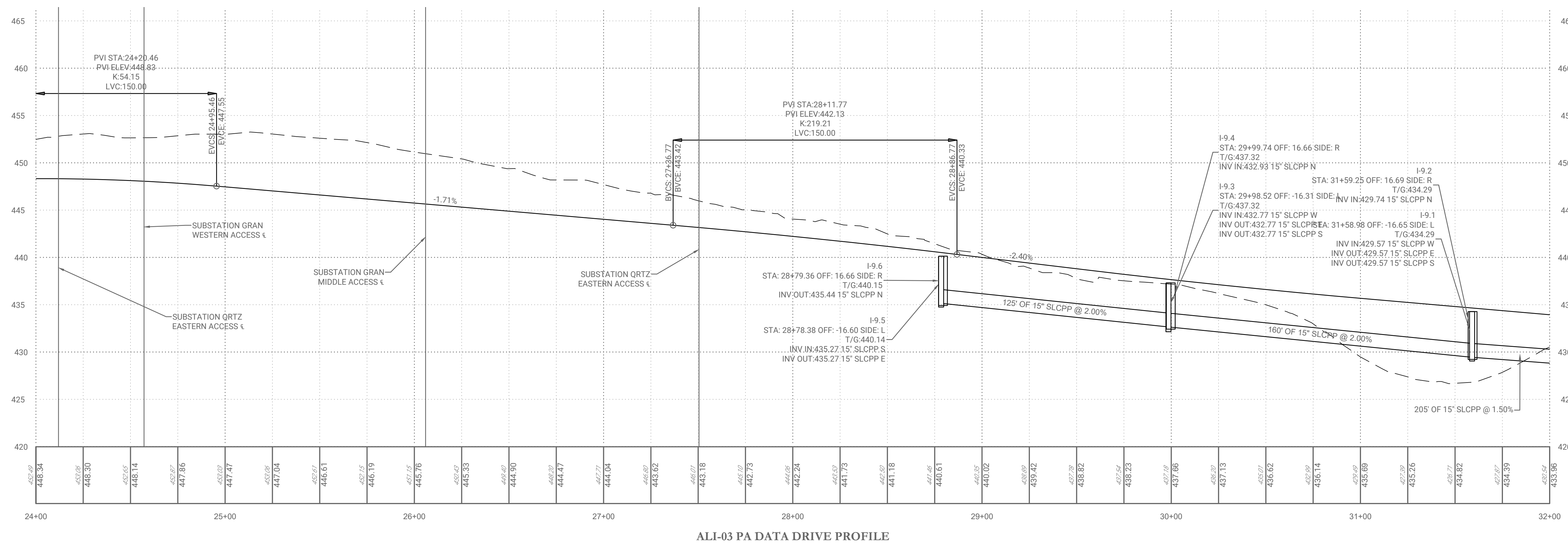


CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

ROADWAY PLAN
AND PROFILE

SHEET NO. C1A 503



ALI-03 PA DATA DRIVE PROFILE



1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE REPRODUCED OR UTILIZED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY APPROVED, SEALED PLANS SHALL BE IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVIC CIVIL, LLC

PROJECT No:		1258-01	
DATE:		AUGUST 18, 2025	
SCALE:		AS SHOWN	
DRAWN BY:	RJB	CHECKED BY:	JHR

PROJECT

PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

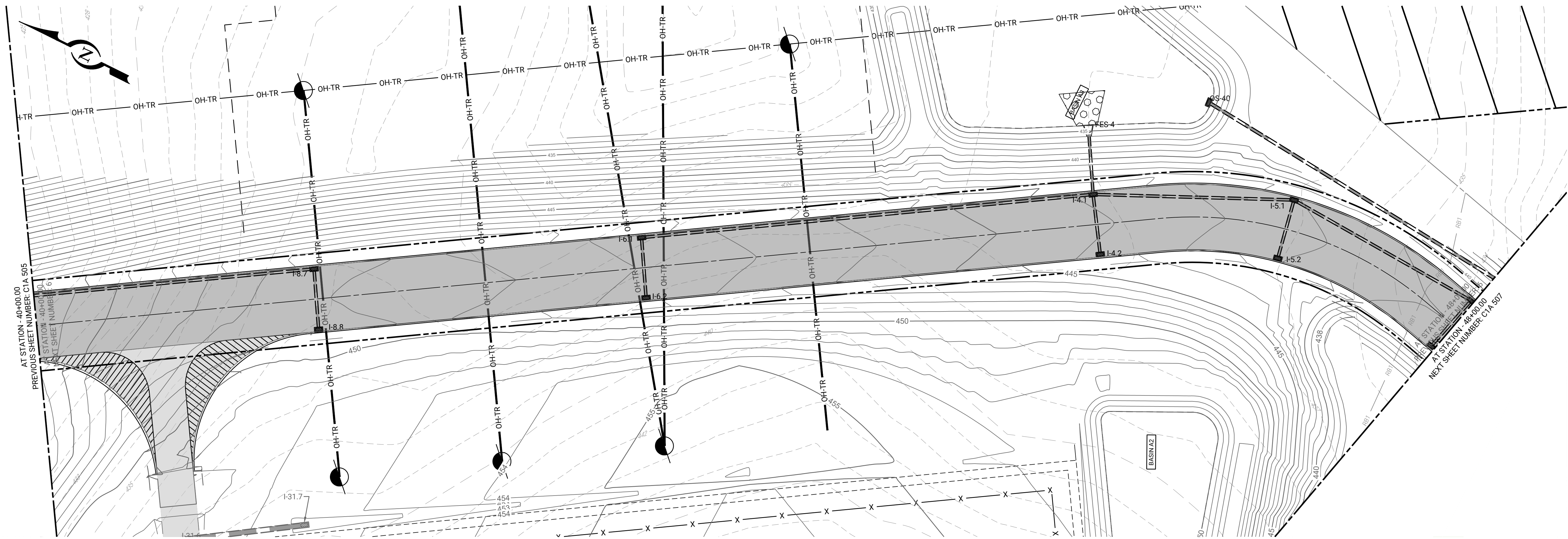
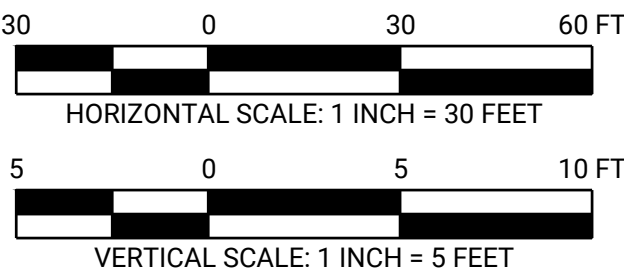
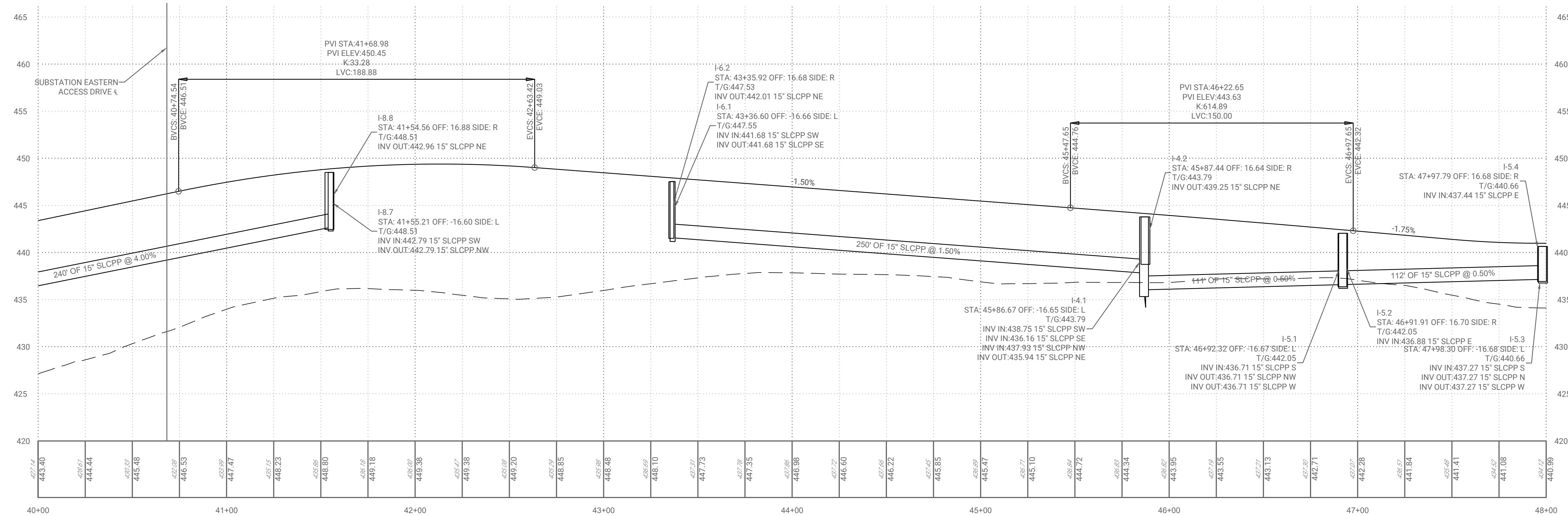


CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

ROADWAY PLAN
AND PROFILE

SHEET NO. C1A 504



ALI-03 PA DATA DRIVE PROFILE

REV	DATE	COMMENTS	CRP	JHR
1	08/18/25	INITIAL SUBMISSION		

ISSUE / REVISIONS

LIVIC
civil

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE REPRODUCED OR UTILIZED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY APPROVED, SEALED PLANS SHALL BE IMPLEMENTED FOR CONSTRUCTION PURPOSES. © 2025 LIVIC CIVIL, LLC

PROJECT No: 1258-01
DATE: AUGUST 18, 2025
SCALE: AS SHOWN
DRAWN BY: RJB CHECKED BY: JHR

PROJECT
PROJECT BOLT

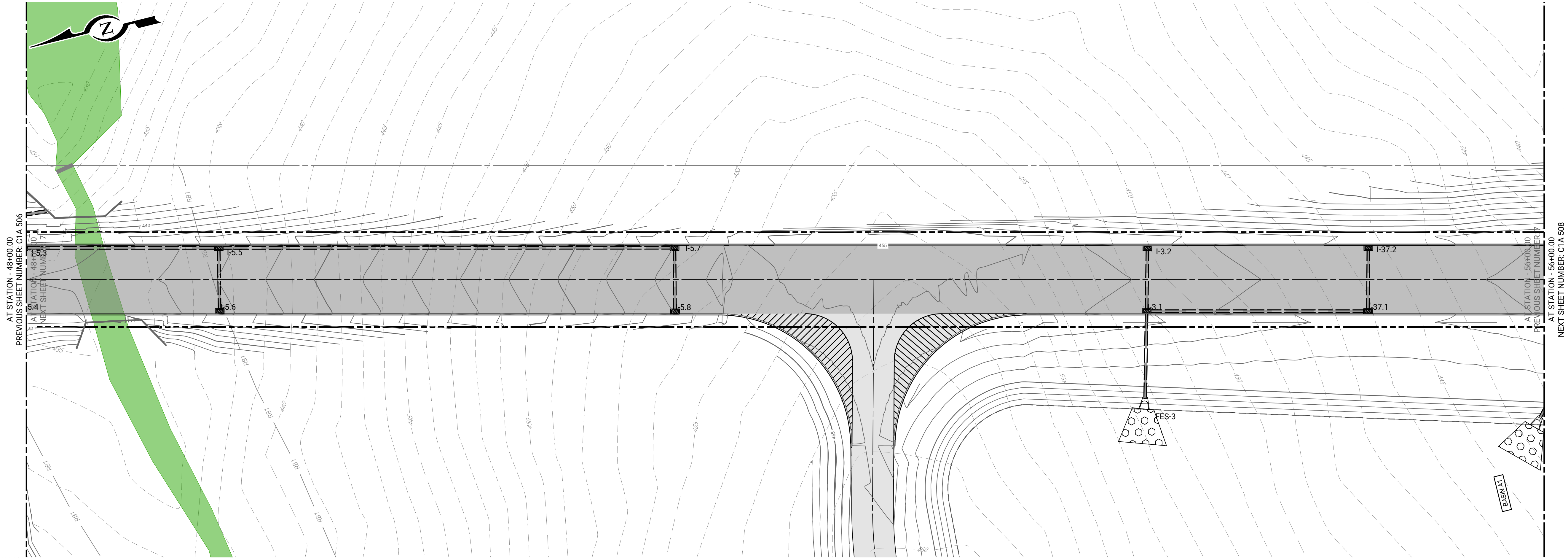
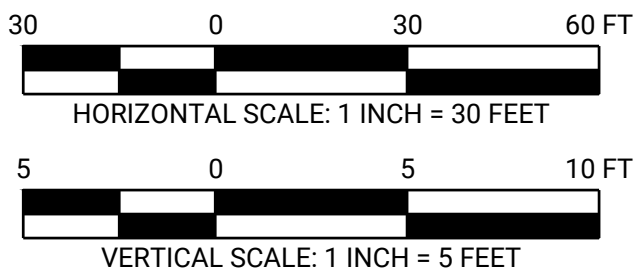
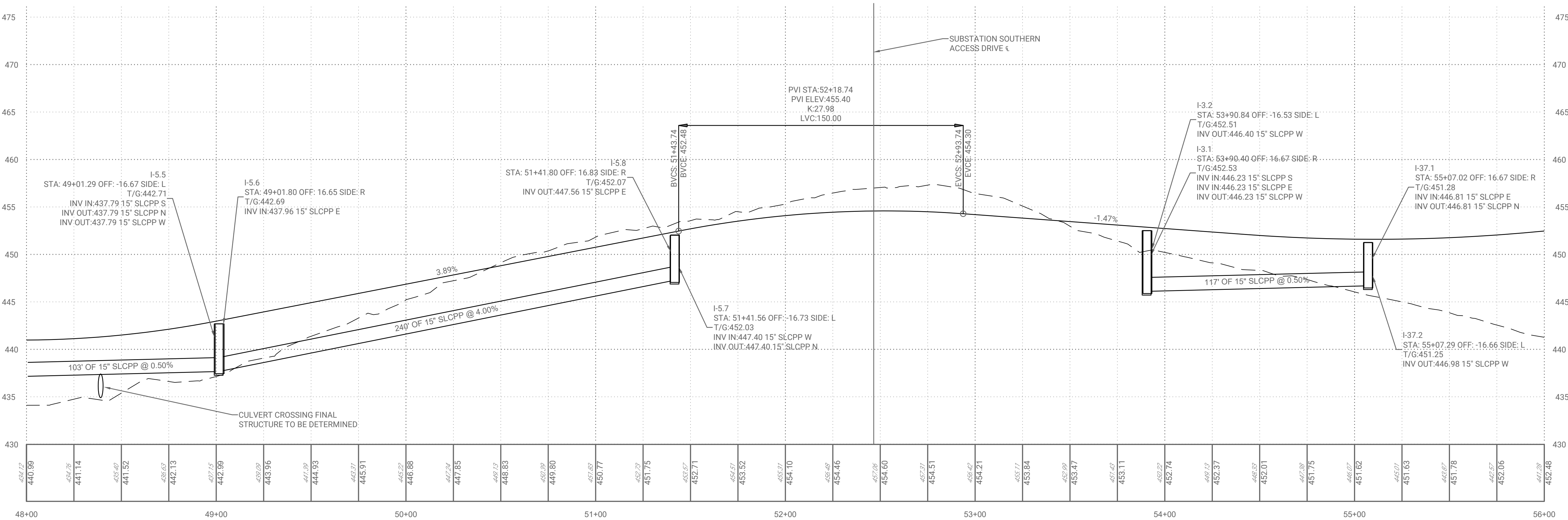
MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

ROADWAY PLAN
AND PROFILE

SHEET NO.
C1A 506



ALI-03 PA DATA DRIVE PROFILE

REV	DATE	COMMENTS	ISSUE / REVISIONS
1	08/18/25	INITIAL SUBMISSION	JHR CRP BY CHKD

LIVIC
civil

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE REPRODUCED OR UTILIZED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY APPROVED, SEALED PLANS SHALL BE IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVIC CIVIL, LLC

PROJECT No: 1258-01
DATE: AUGUST 18, 2025
SCALE: AS SHOWN
DRAWN BY: RJB | CHECKED BY: JHR

PROJECT

PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

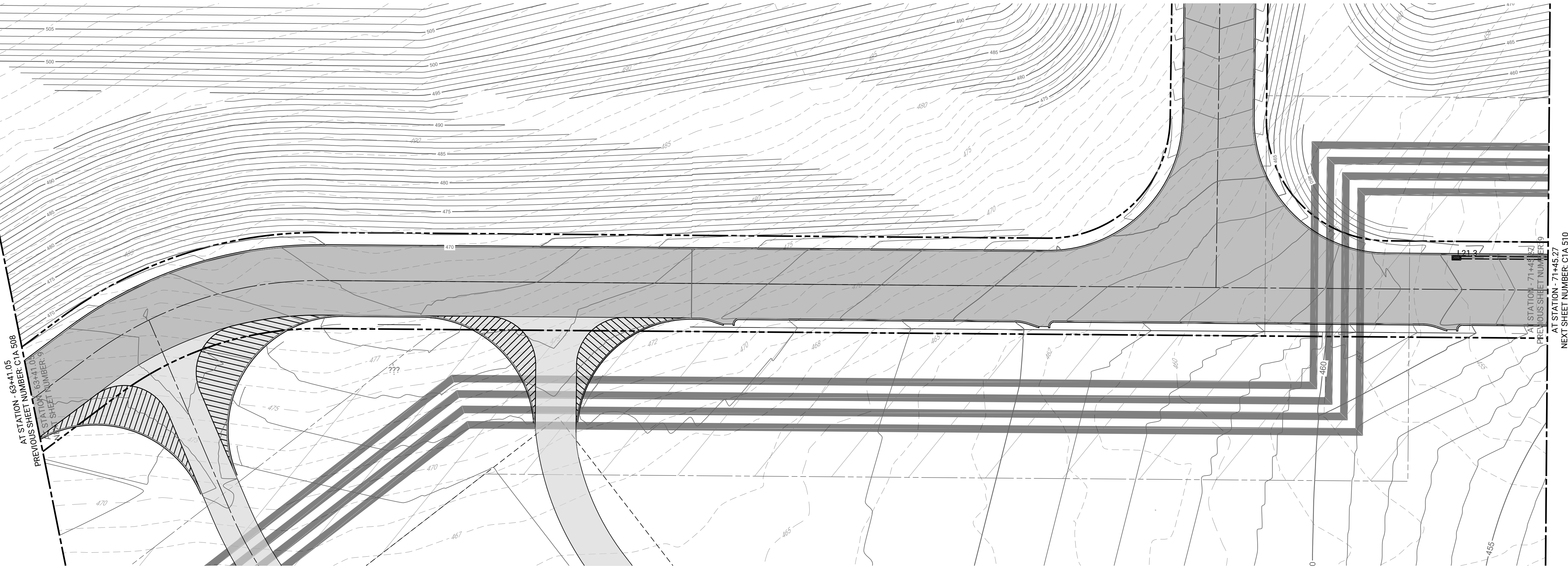
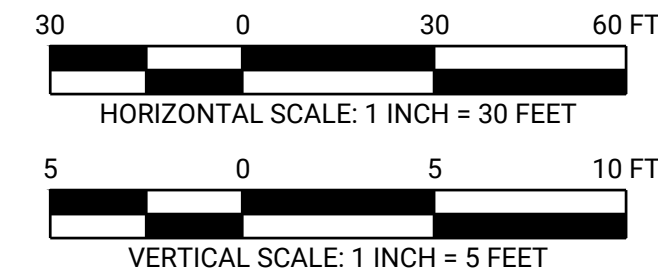
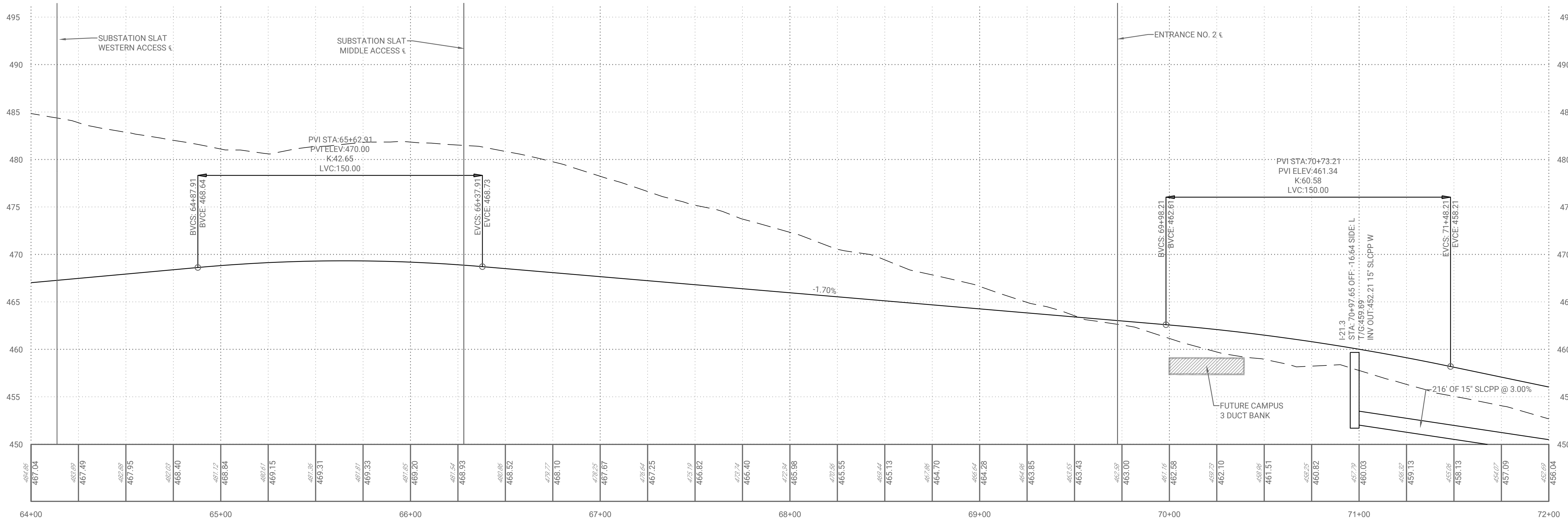
CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

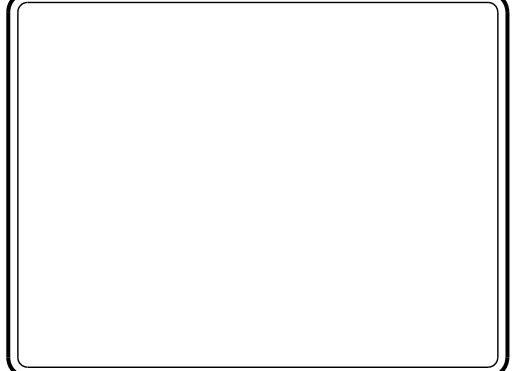
**ROADWAY PLAN
AND PROFILE**

SHEET NO.

C1A 507



ALI-03 PA DATA DRIVE PROFILE



REV	DATE	COMMENTS	ISSUE / REVISIONS
1	08/18/25	INITIAL SUBMISSION	JHR BY CHKD

LIVIC

civil

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE REPRODUCED OR UTILIZED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY APPROVED, SEALED PLANS SHALL BE IMPLEMENTED FOR CONSTRUCTION PURPOSES. © 2025 LIVIC CIVIL, LLC

PROJECT No:	1258-01
DATE:	AUGUST 18, 2025
SCALE:	AS SHOWN
DRAWN BY:	RJB
CHECKED BY:	JHR

PROJECT

PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

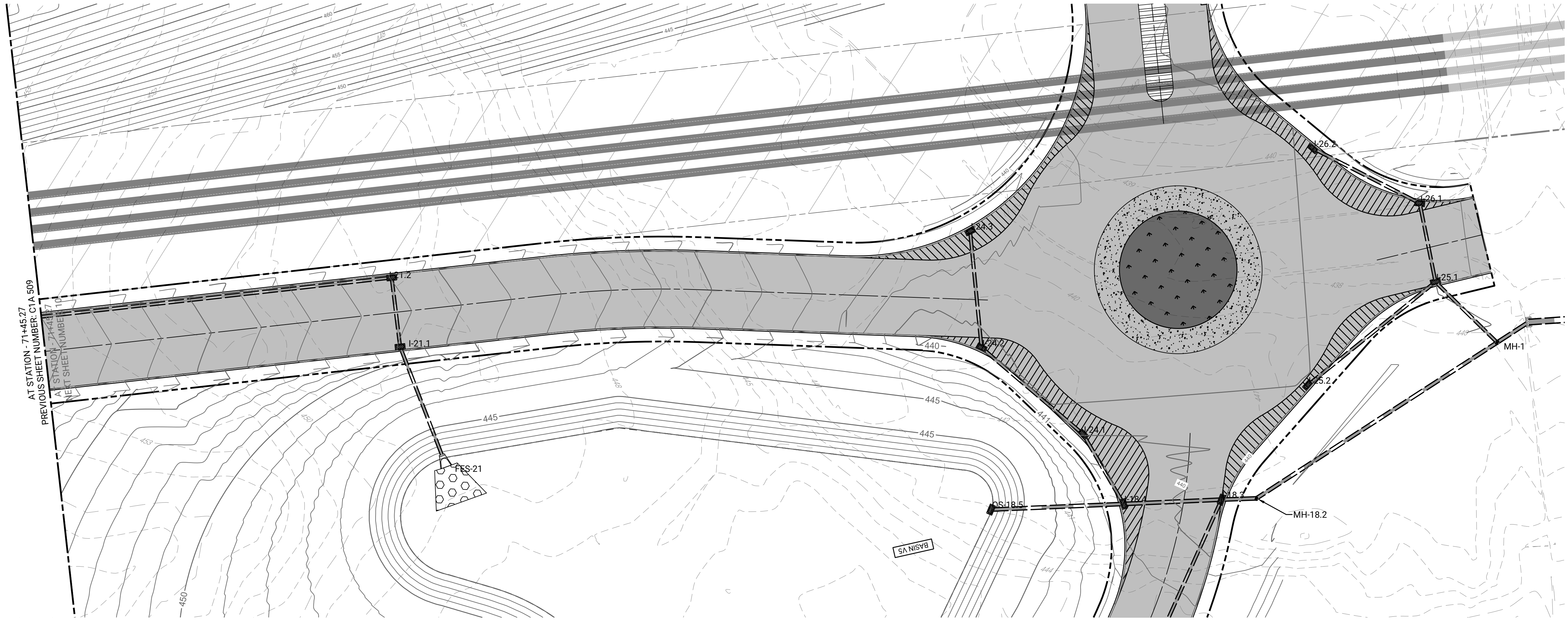
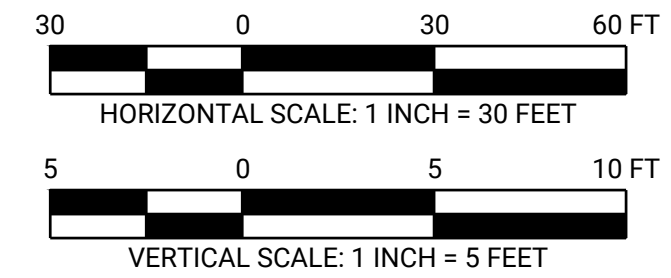
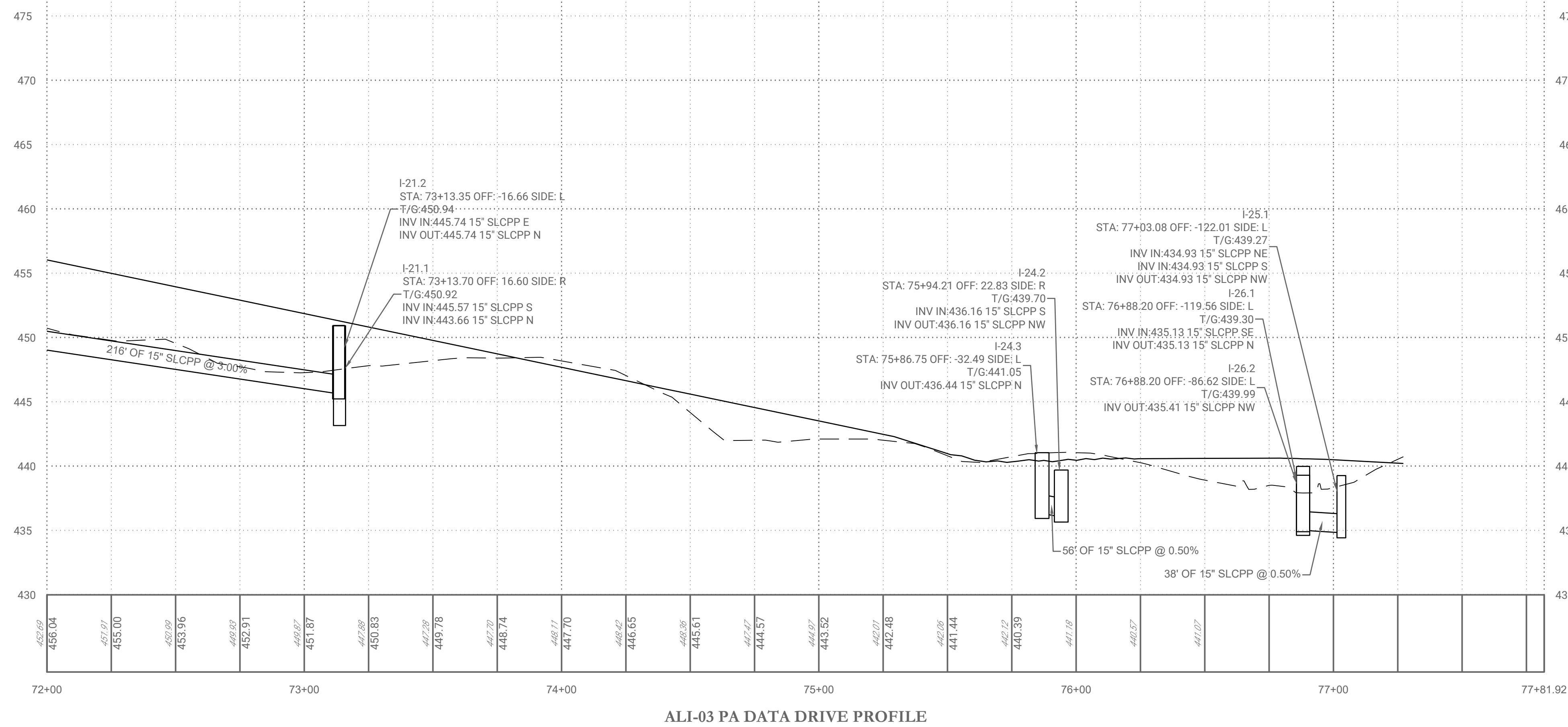
CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

ROADWAY PLAN
AND PROFILE

SHEET NO.

C1A 509



ALI-03 PA DATA DRIVE PROFILE

LIVIC
civil
1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com
ALL CONTENTS OF THIS PLAN ARE PROPRIETARY
AND SHALL NOT BE REPRODUCED OR UTILIZED FOR
ANY PURPOSE WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY
APPROVED, SEALED PLANS SHALL BE
IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVIC CIVIL, LLC

PROJECT No: 1258-01
DATE: AUGUST 18, 2025
SCALE: AS SHOWN
DRAWN BY: RJB CHECKED BY: JHR

PROJECT
PROJECT BOLT

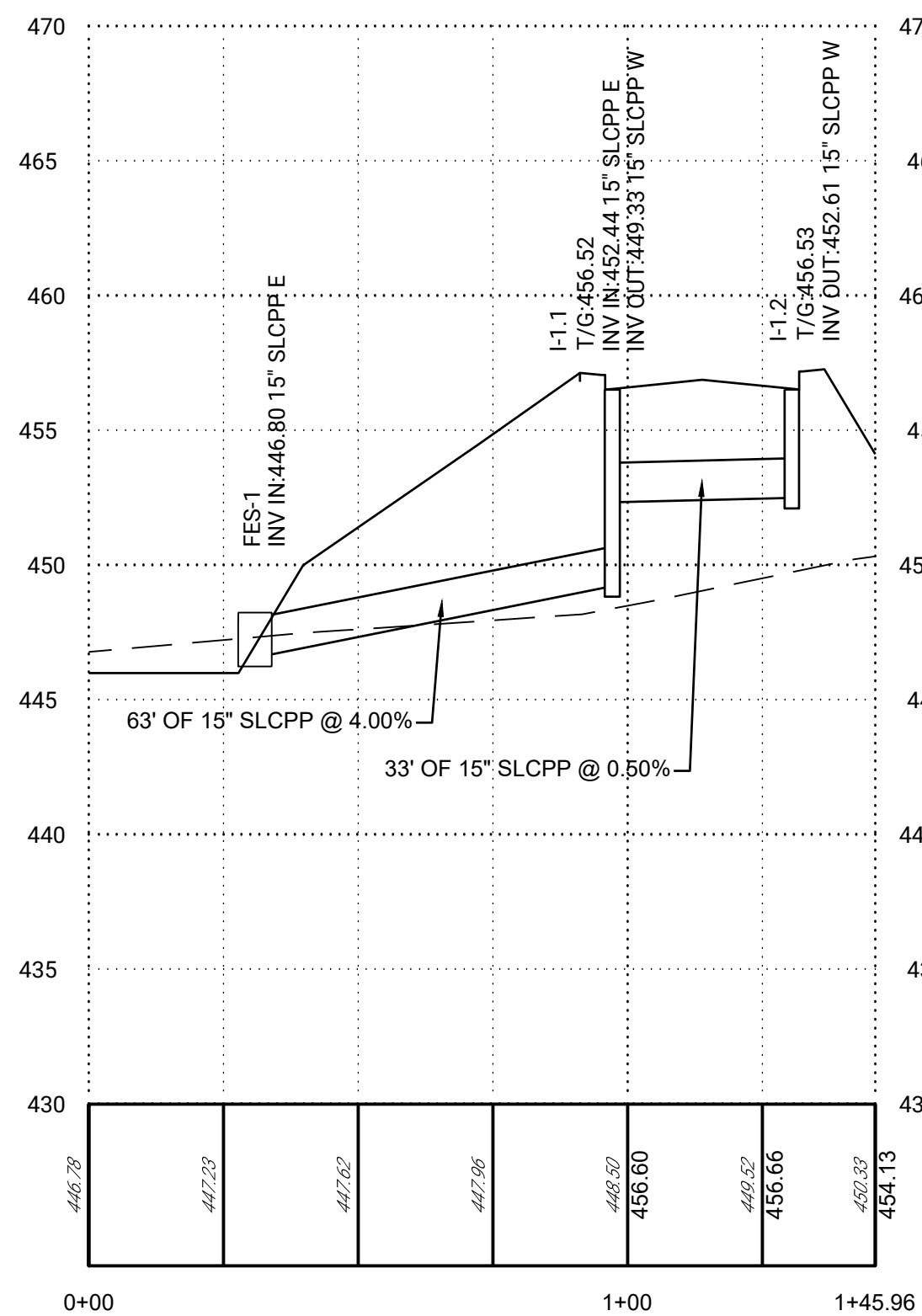
**MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA**

CLIENT
**CARLISLE
DEVELOPMENT
PARTNERS, LLC**
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

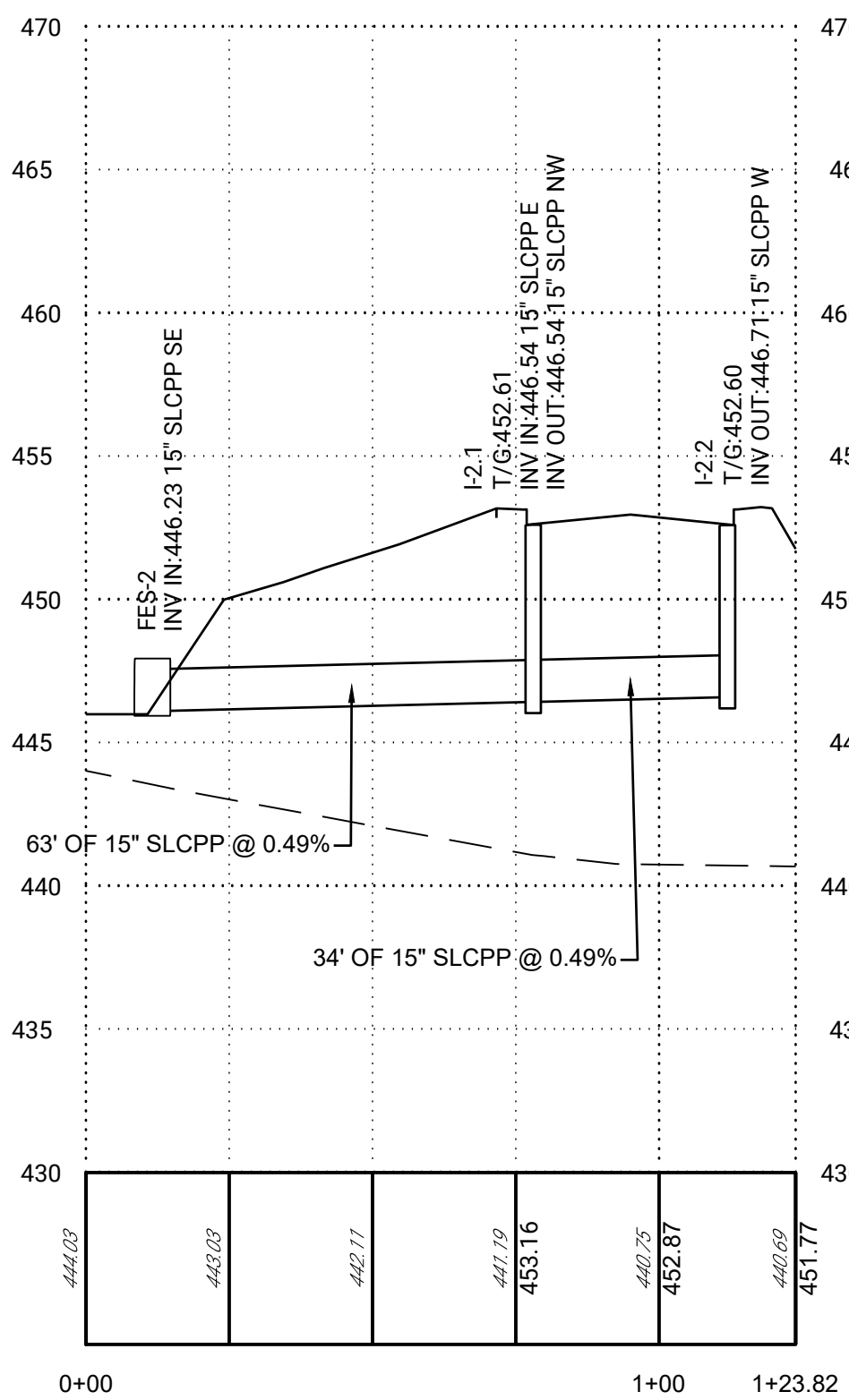
SHEET TITLE
**ROADWAY PLAN
AND PROFILE**

SHEET NO.
C1A 510

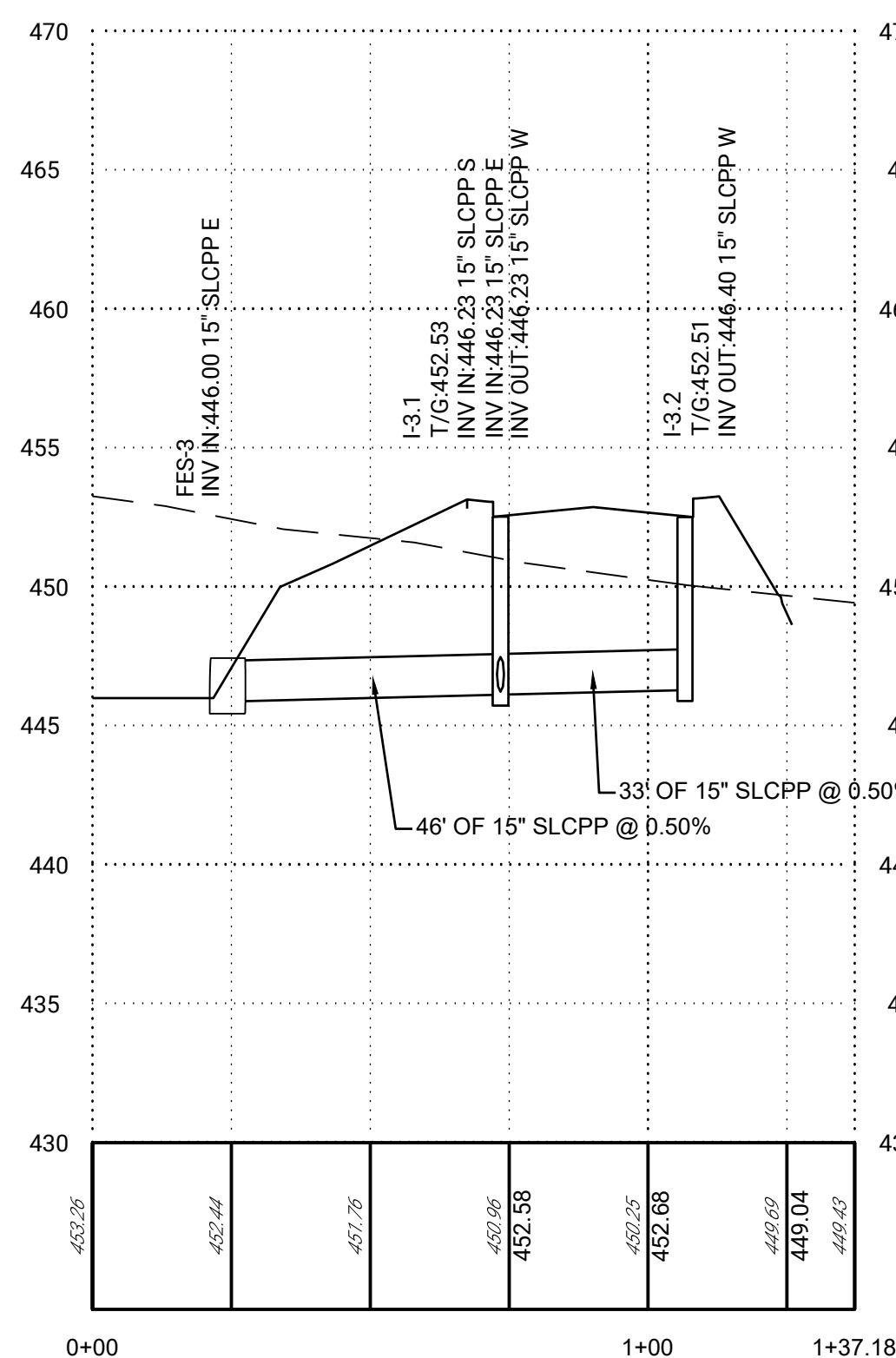
REV	DATE	COMMENTS	CRP	JHR
1	08/18/25	INITIAL SUBMISSION	BY	CHKD
ISSUE / REVISIONS				



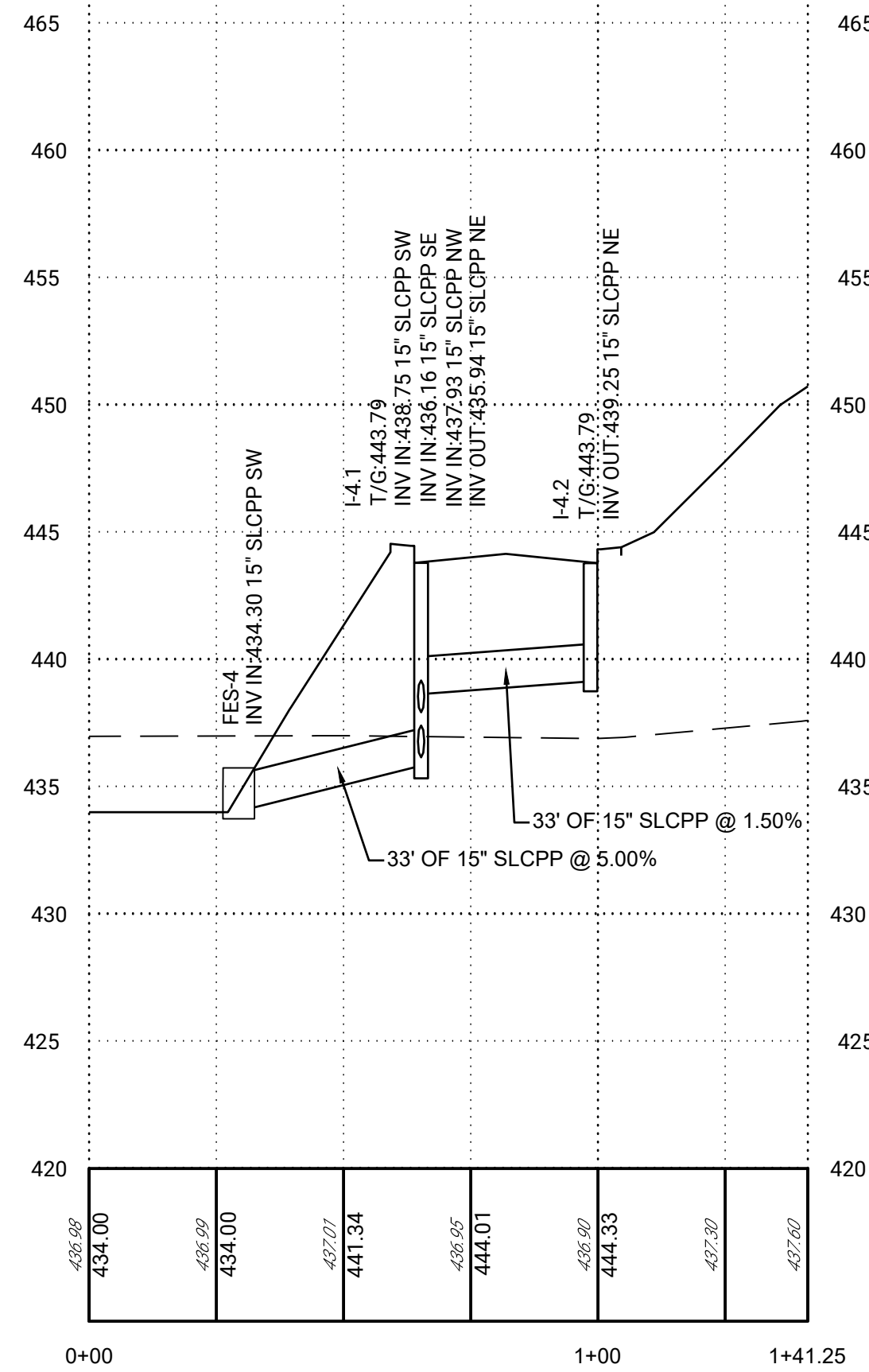
ALIGNMENT 1 PROFILE



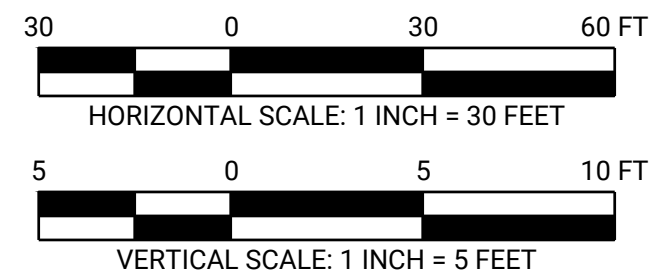
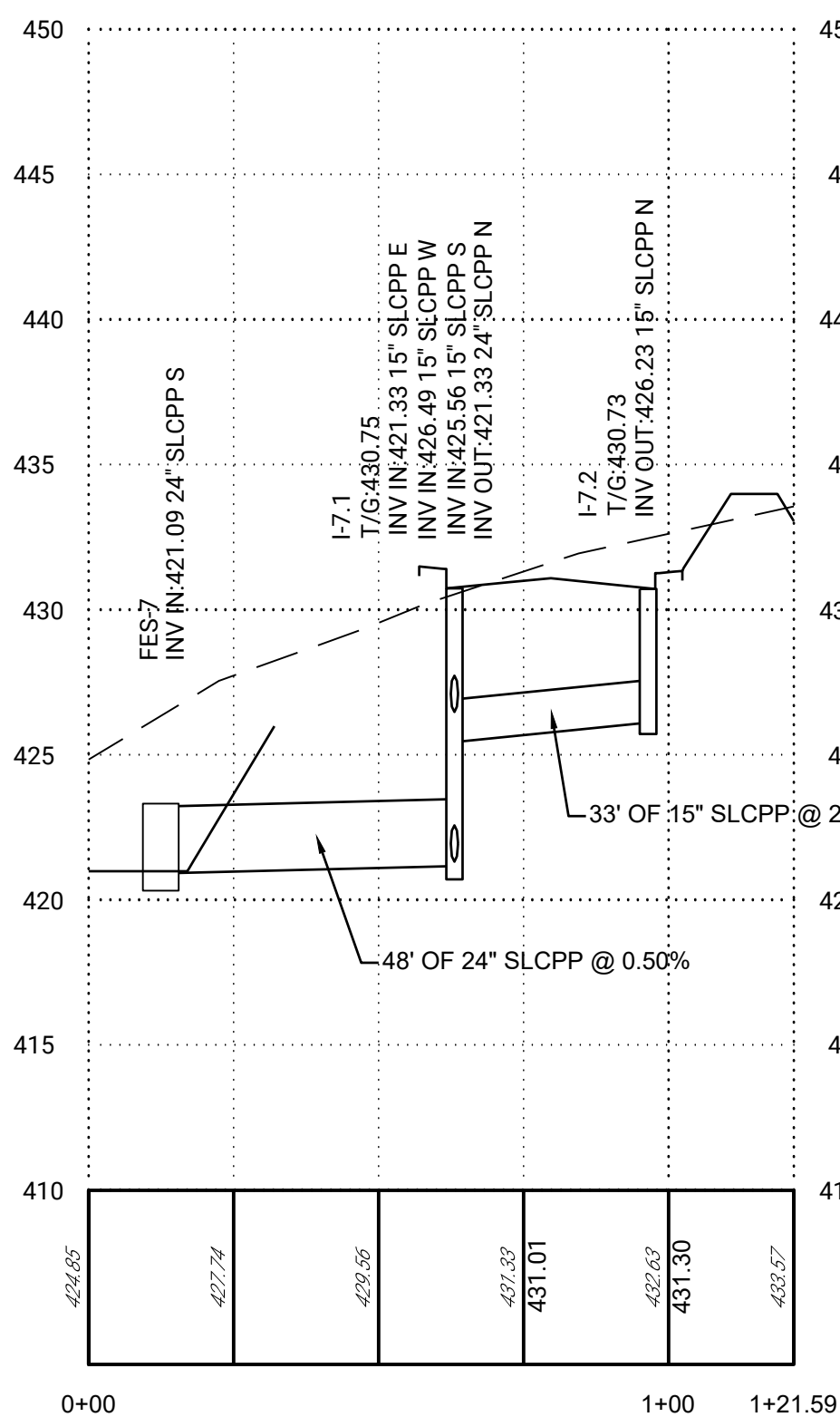
ALIGNMENT 2 PROFILE



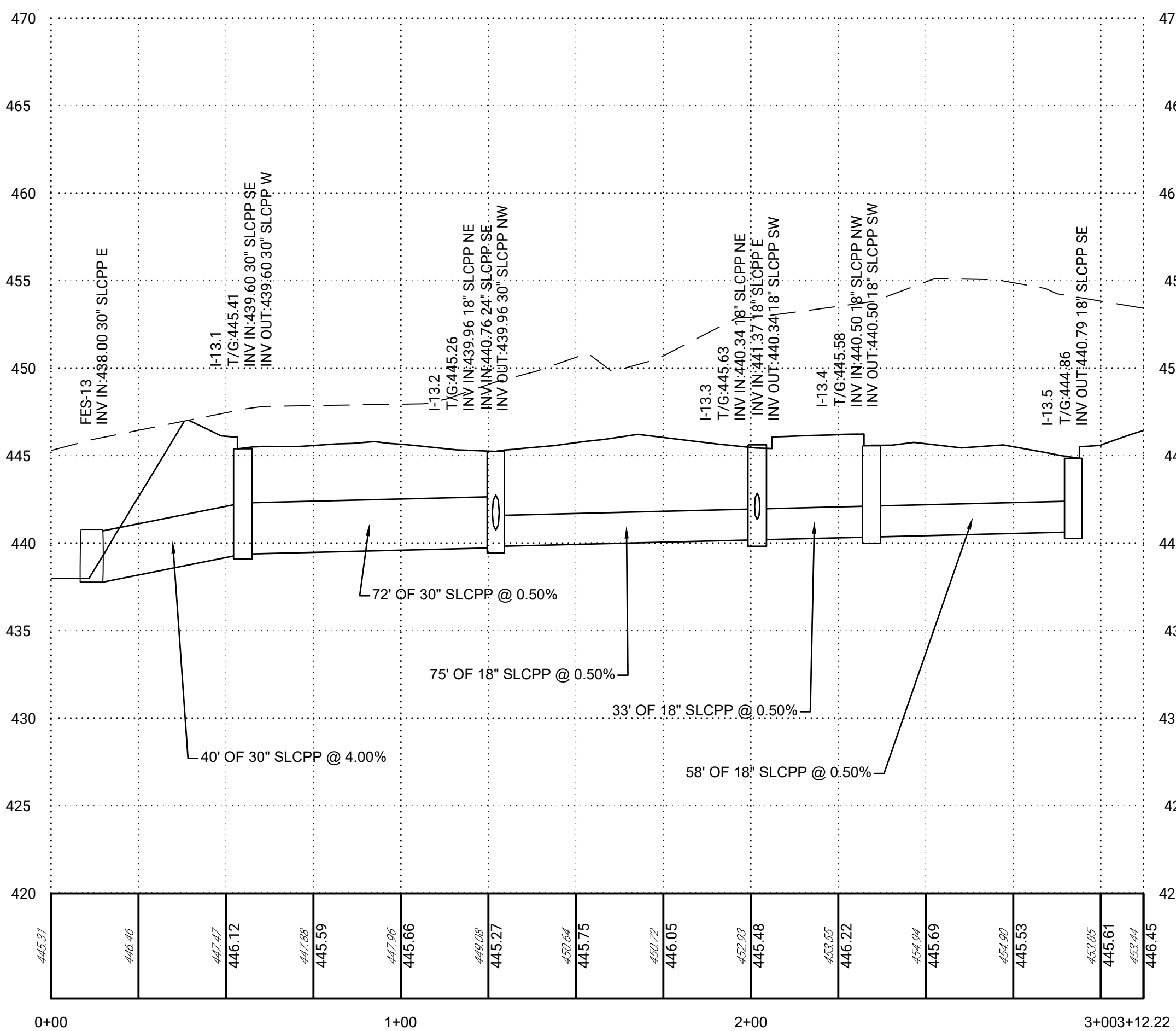
ALIGNMENT 3 PROFILE



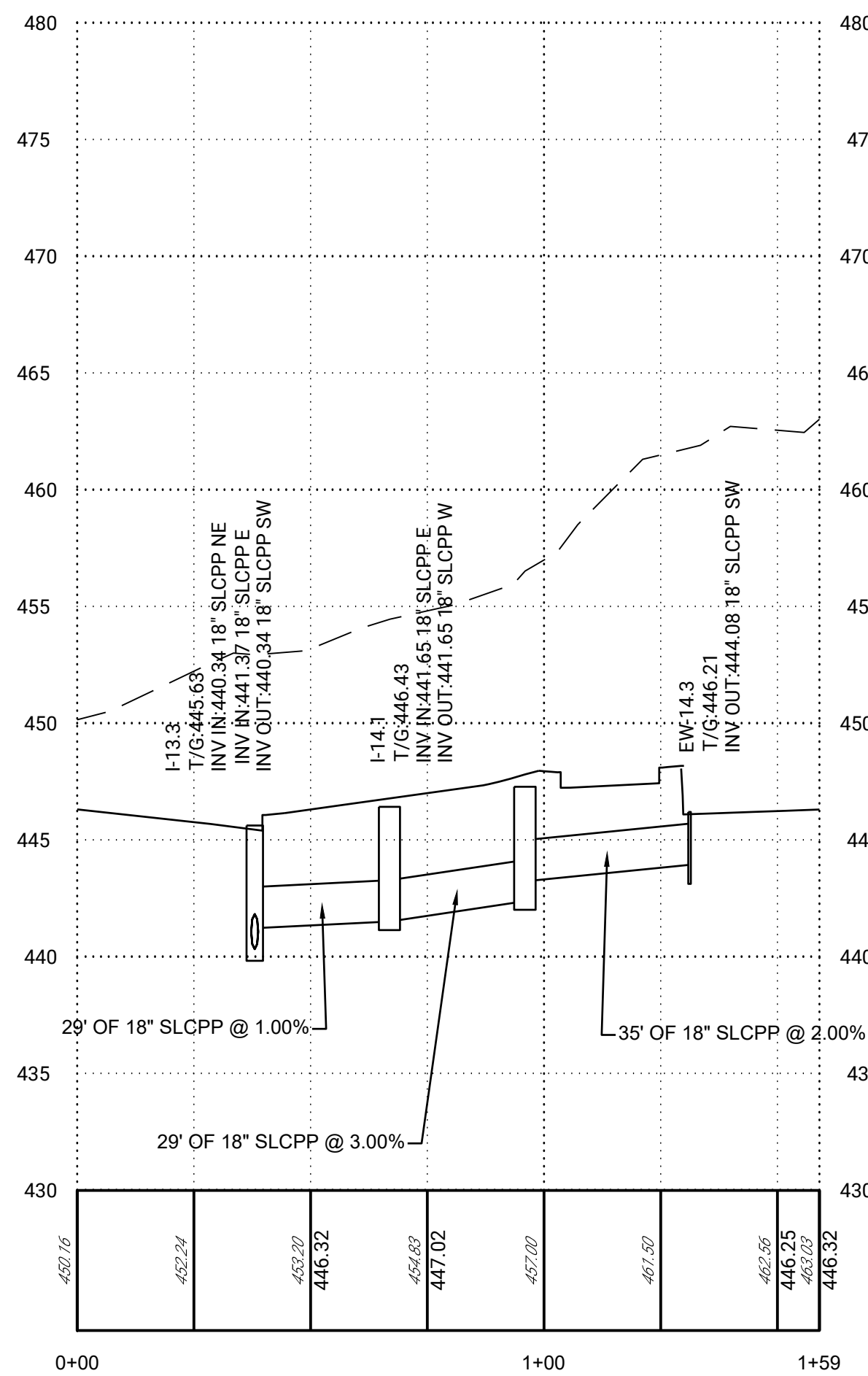
ALIGNMENT 4 PROFILE



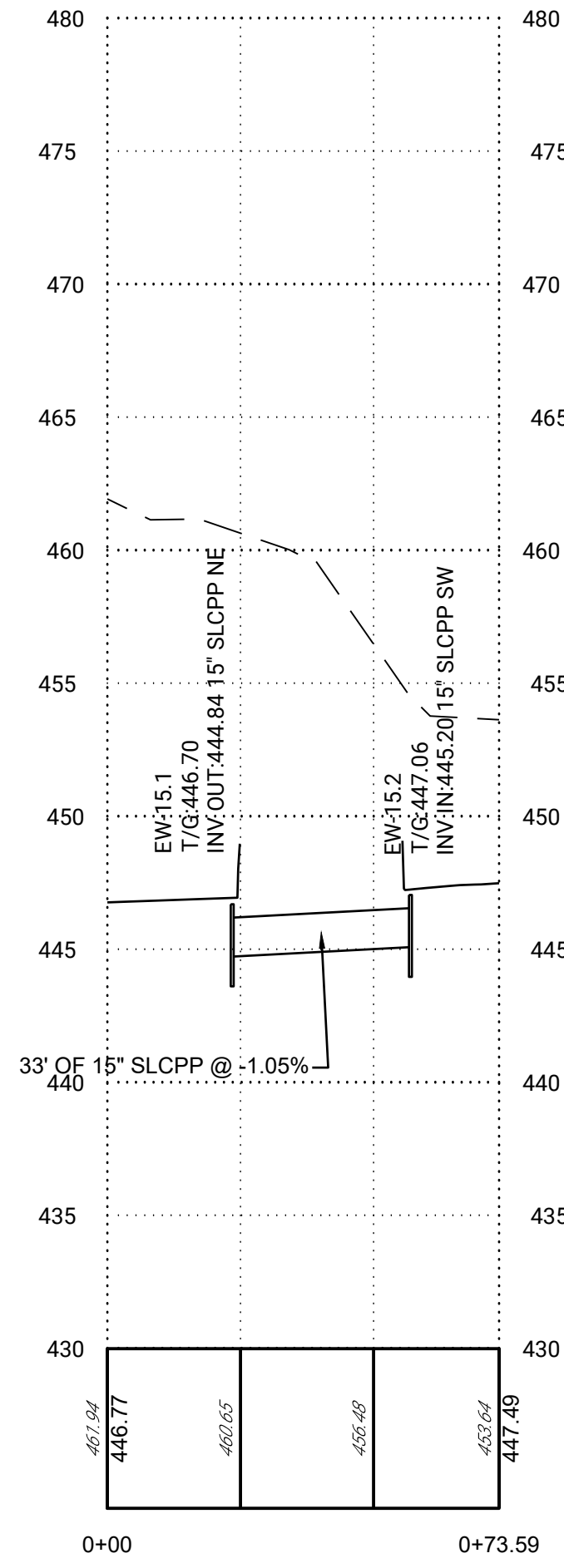
ALIGNMENT 7 PROFILE



ALIGNMENT 13 PROFILE



ALIGNMENT 14 PROFILE



ALIGNMENT 15 PROFILE



PROJECT No: 1258-01
DATE: AUGUST 18, 2025
SCALE: AS SHOWN
DRAWN BY: RJB CHECKED BY: JHR

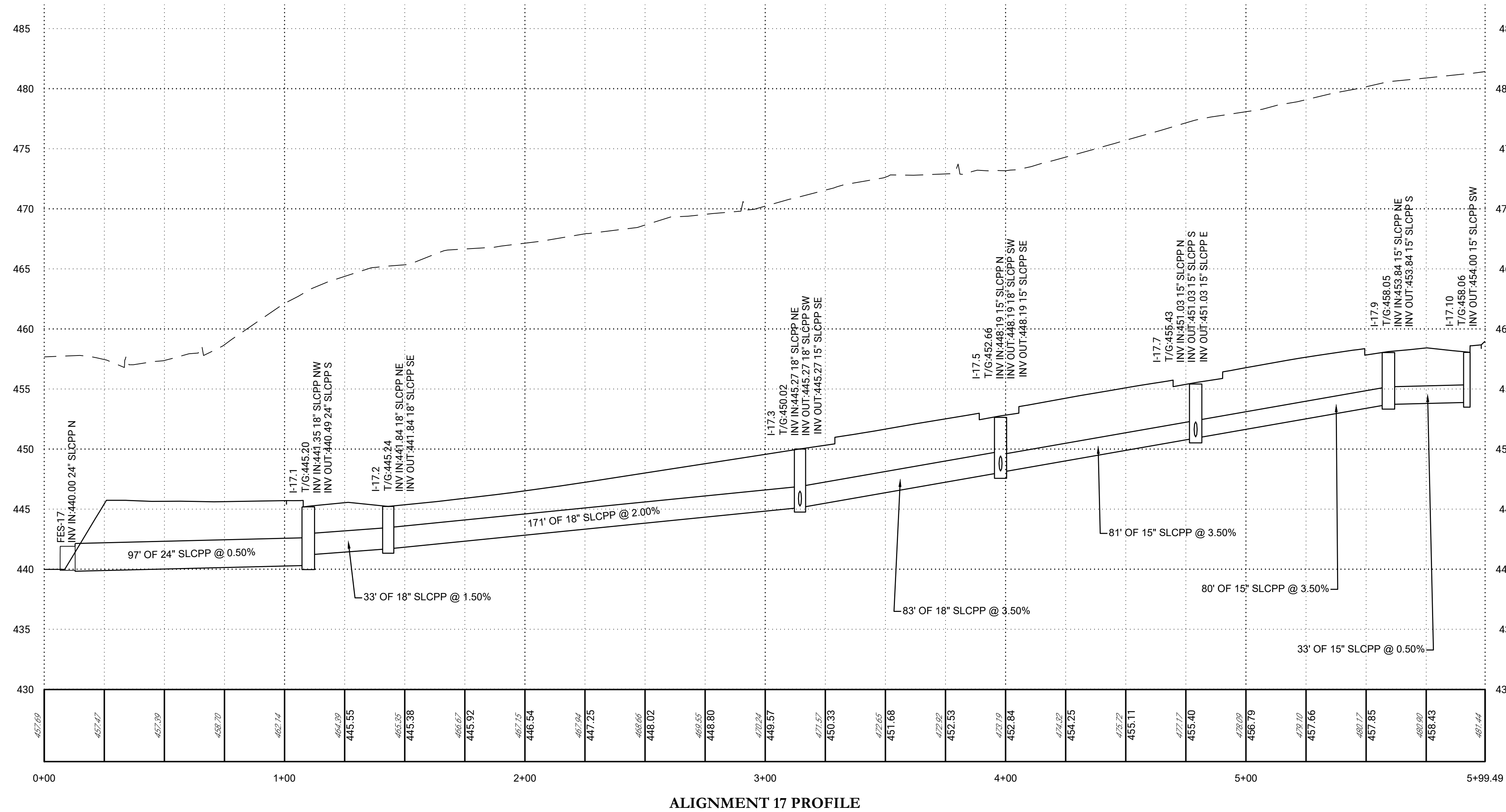
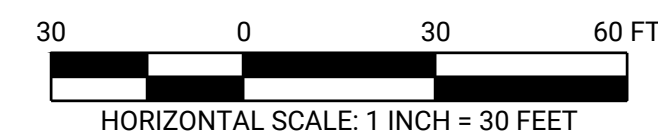
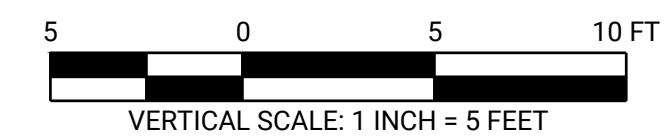
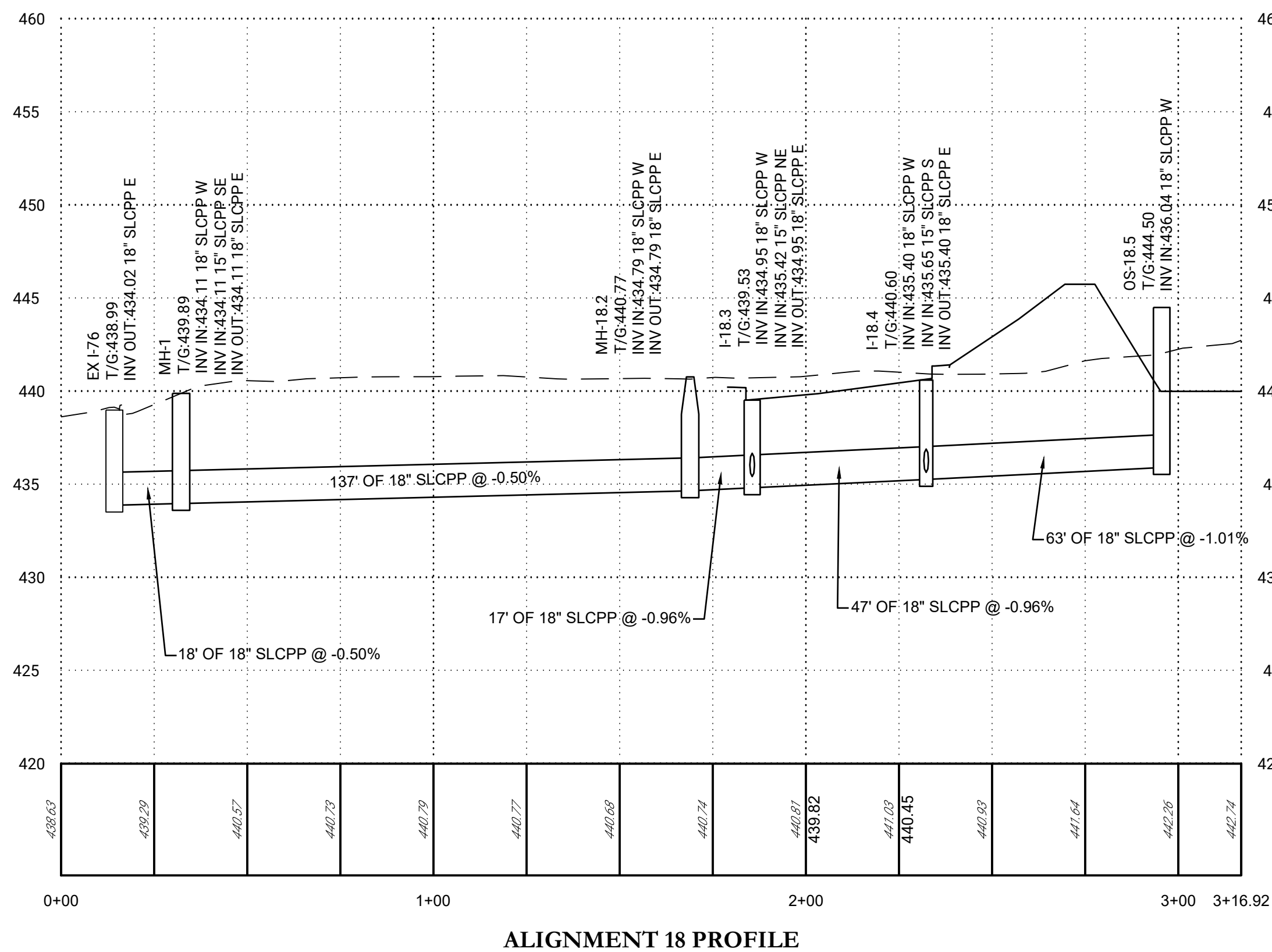
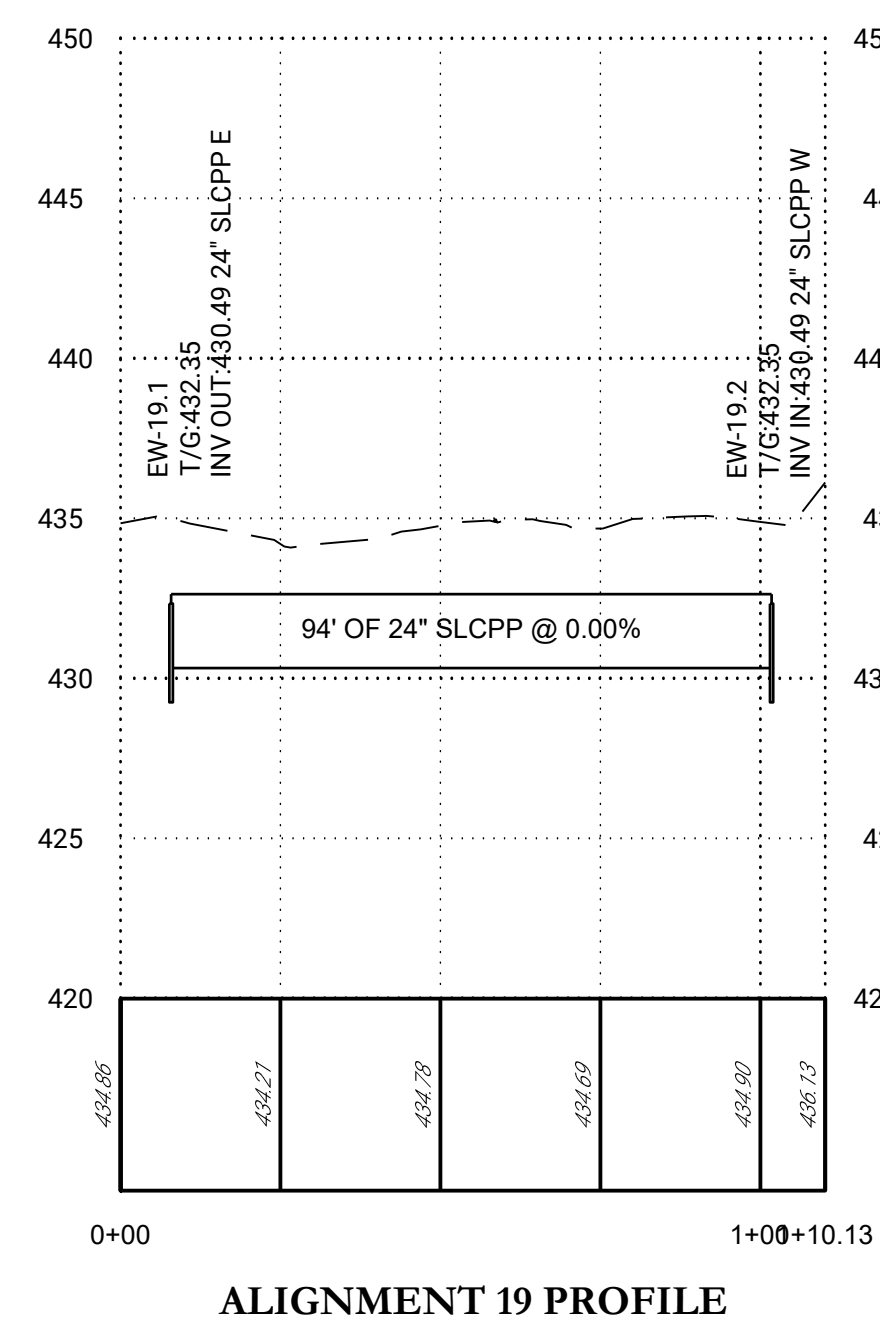
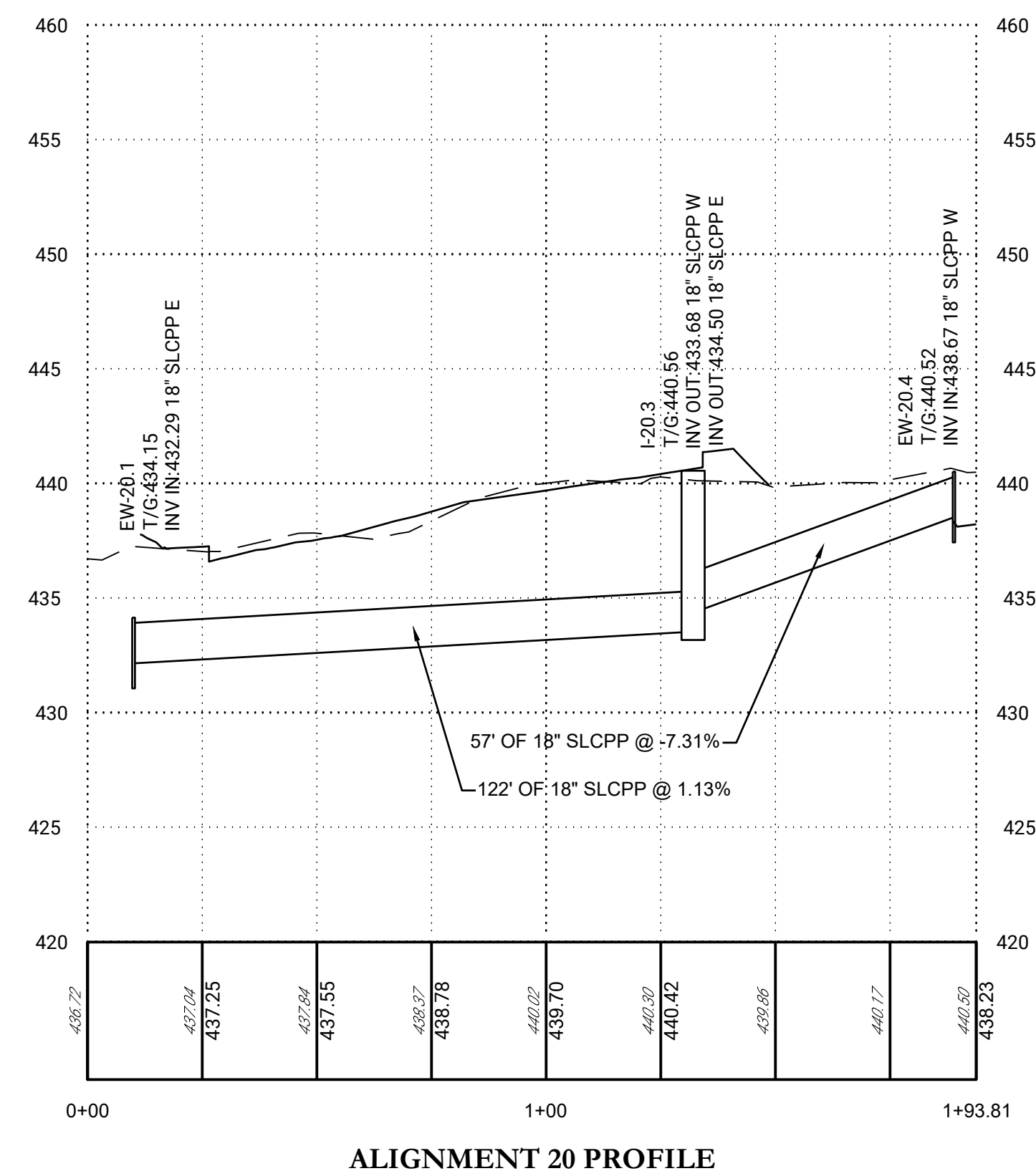
PROJECT
PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE
PROFILES

SHEET NO.
C1A 511



LIVIC
civil
1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com
ALL CONTENTS OF THIS PLAN ARE PROPRIETARY
AND SHALL NOT BE REPRODUCED OR UTILIZED FOR
ANY PURPOSE WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY
APPROVED, SEALED PLANS SHALL BE
IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVIC CIVIL, LLC

PROJECT No:	1258-01
DATE:	AUGUST 18, 2025
SCALE:	AS SHOWN
DRAWN BY:	RJB
CHECKED BY:	JHR

PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

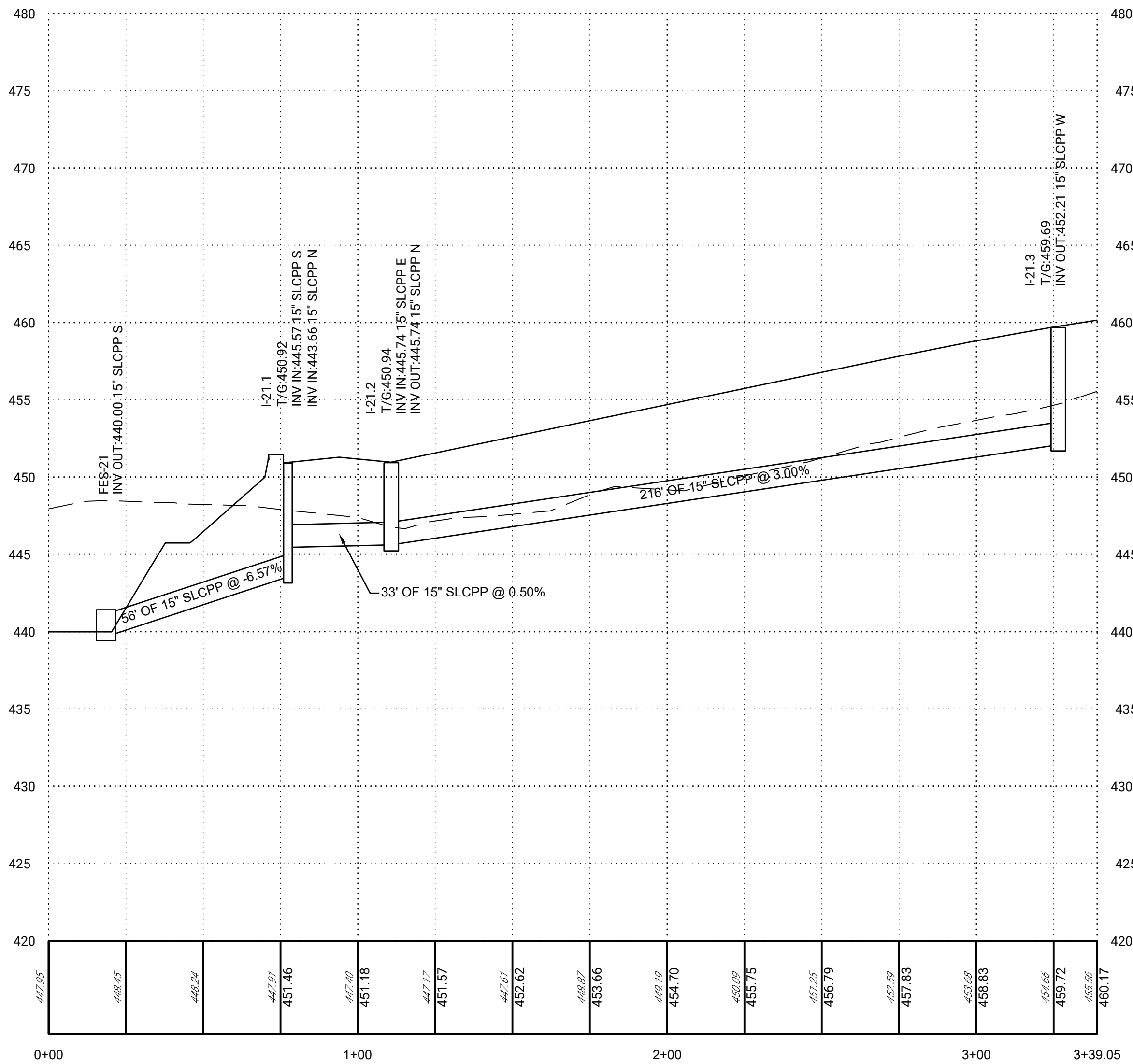
CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

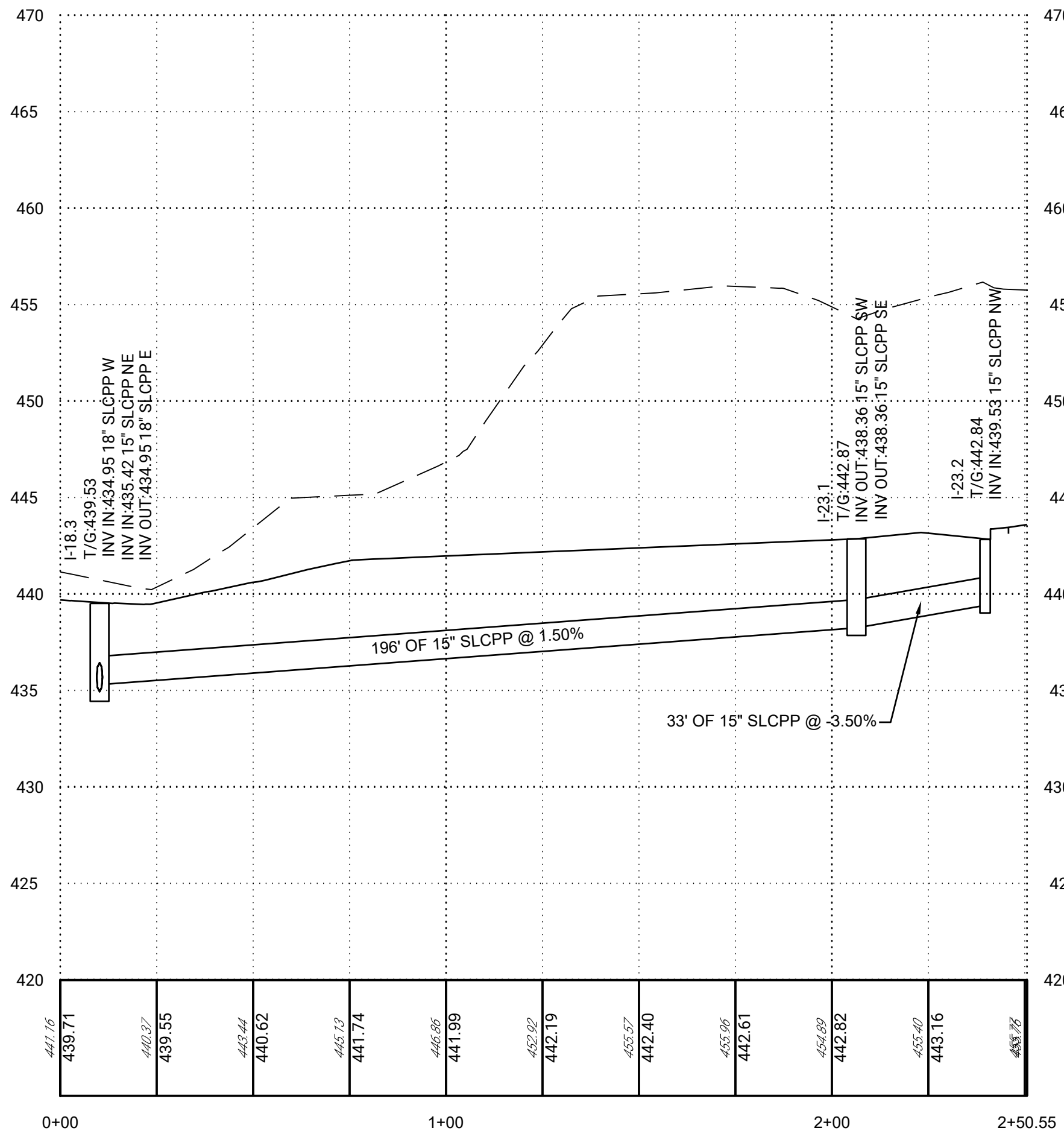
PROFILES

SHEET NO.

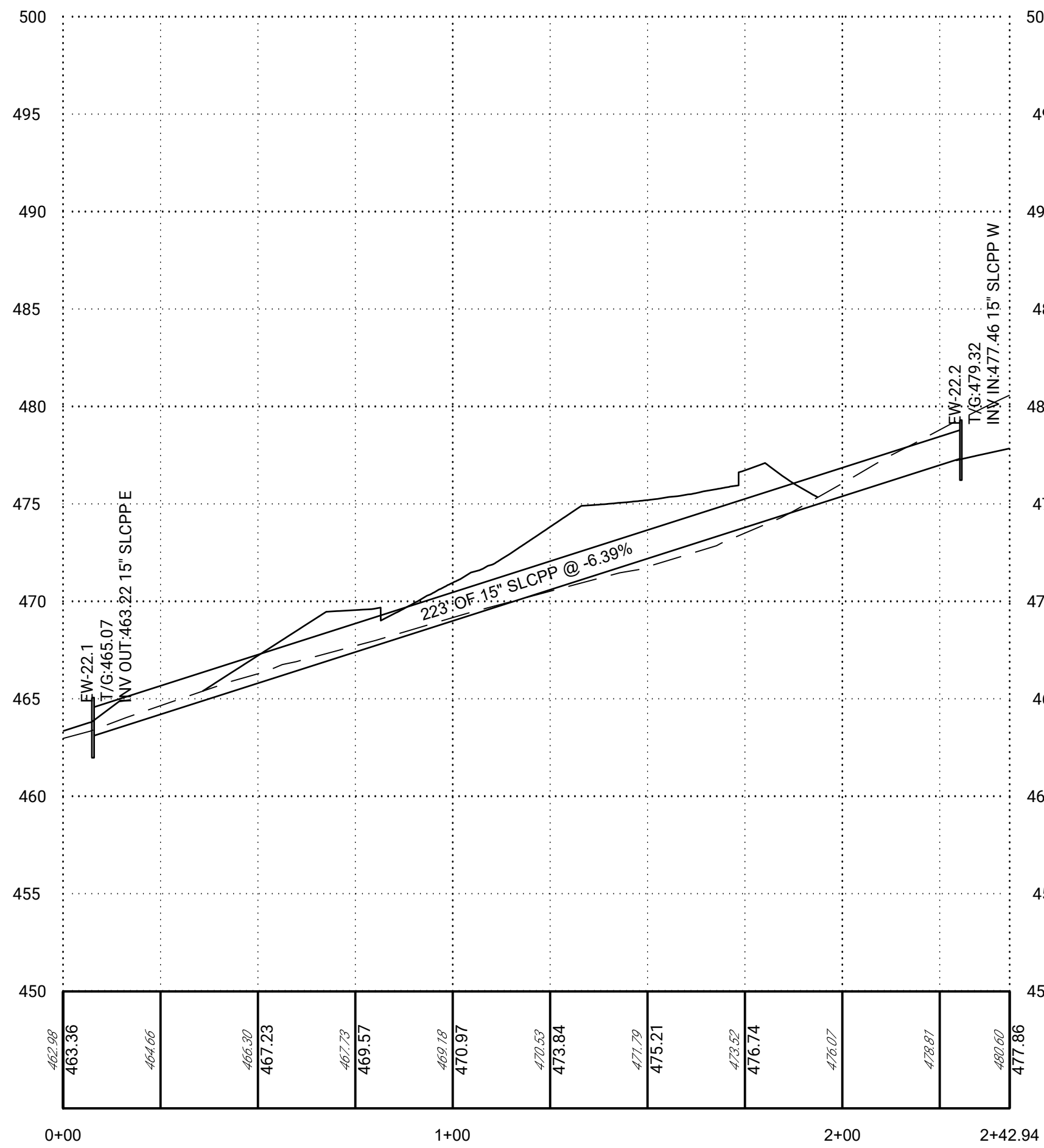
C1A 512



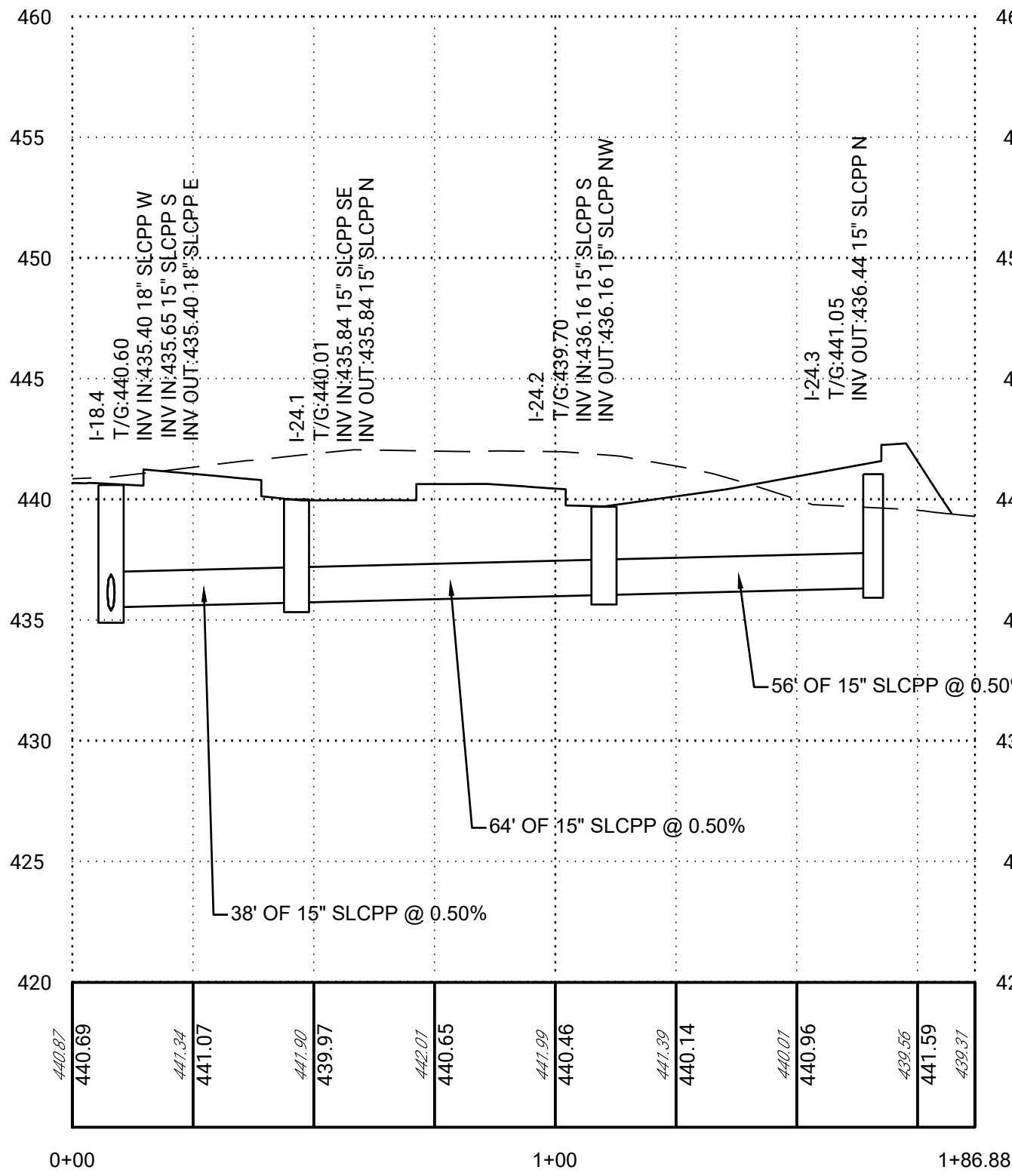
ALIGNMENT 21 PROFILE



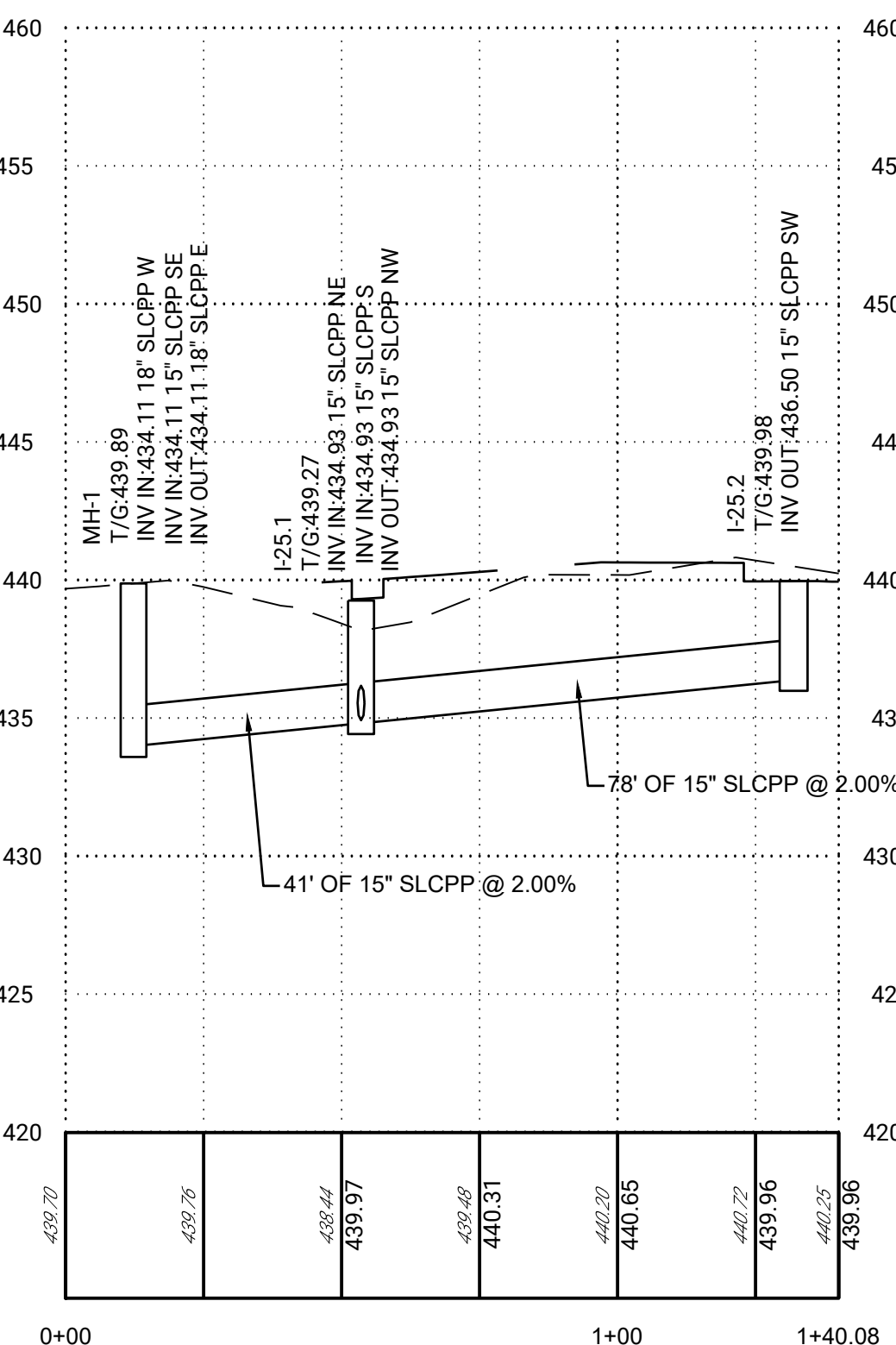
ALIGNMENT 23 PROFILE



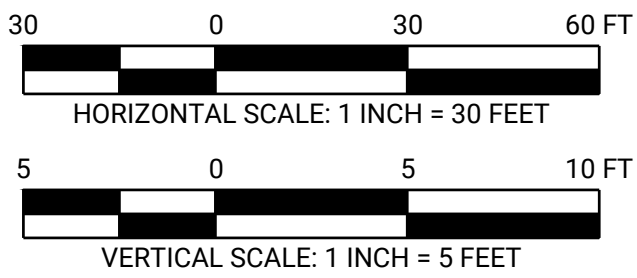
ALIGNMENT 22 PROFILE



ALIGNMENT 24 PROFILE



ALIGNMENT 25 PROFILE



REV	DATE	COMMENTS	CRP	JHR
1	08/18/25	INITIAL SUBMISSION		

ISSUE / REVISIONS

LIVIC
civil

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE REPRODUCED OR UTILIZED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY APPROVED, SEALED PLANS SHALL BE IMPLEMENTED FOR CONSTRUCTION PURPOSES. © 2025 LIVIC CIVIL, LLC

PROJECT No: 1259-01
DATE: AUGUST 18, 2025
SCALE: AS SHOWN
DRAWN BY: RJB | CHECKED BY: JHR

PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

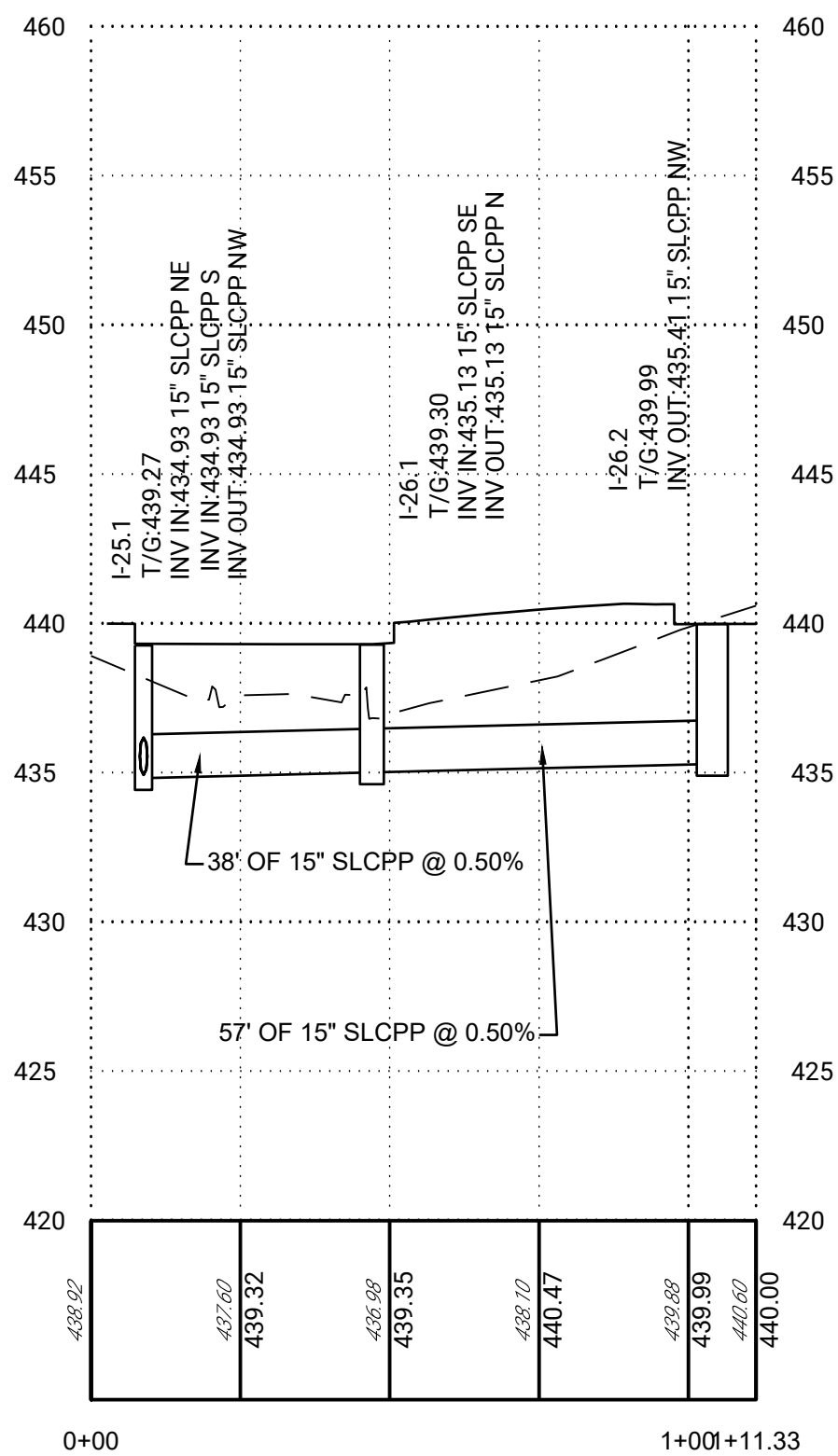
CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

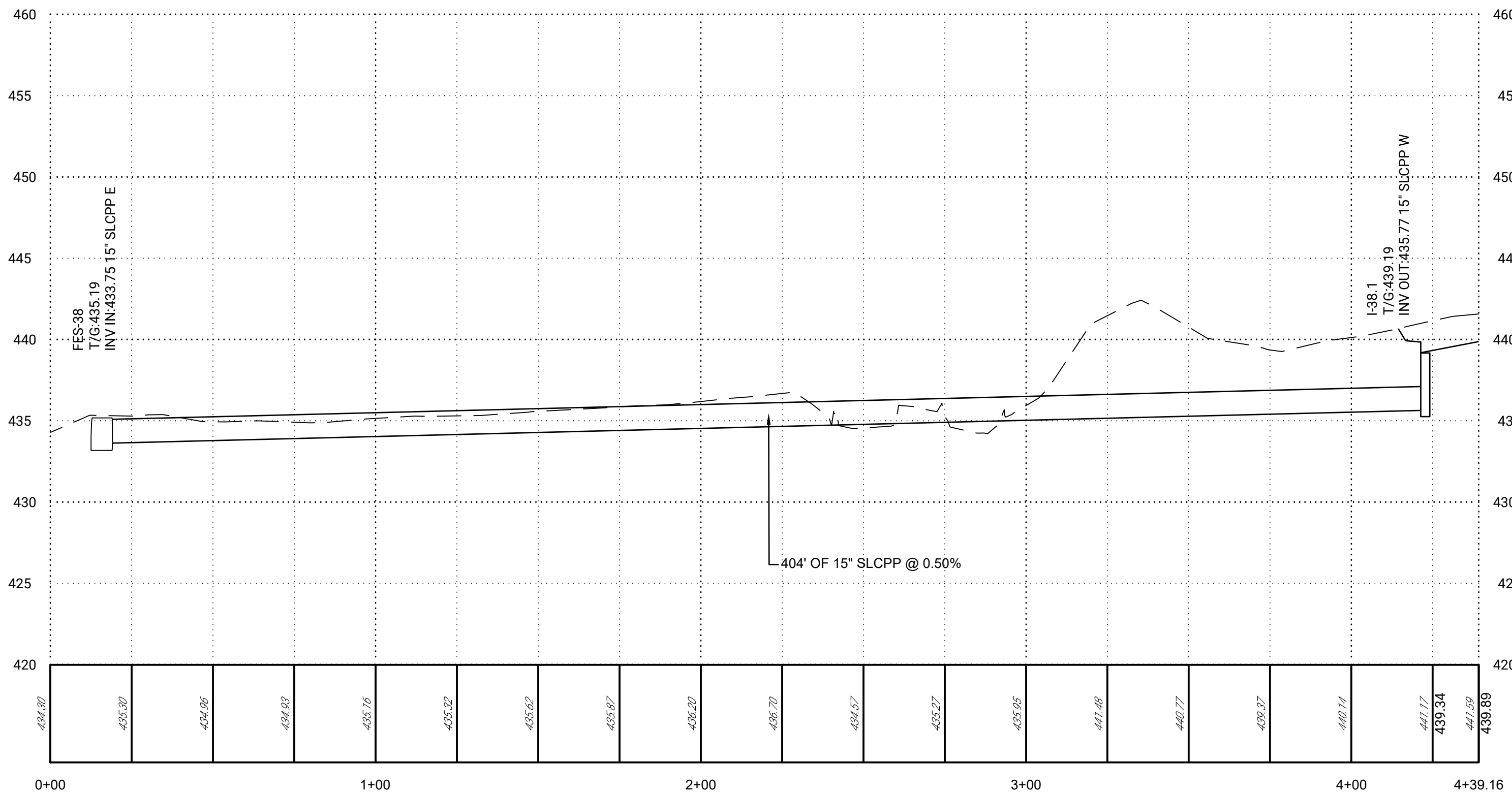
PROFILES

SHEET NO.

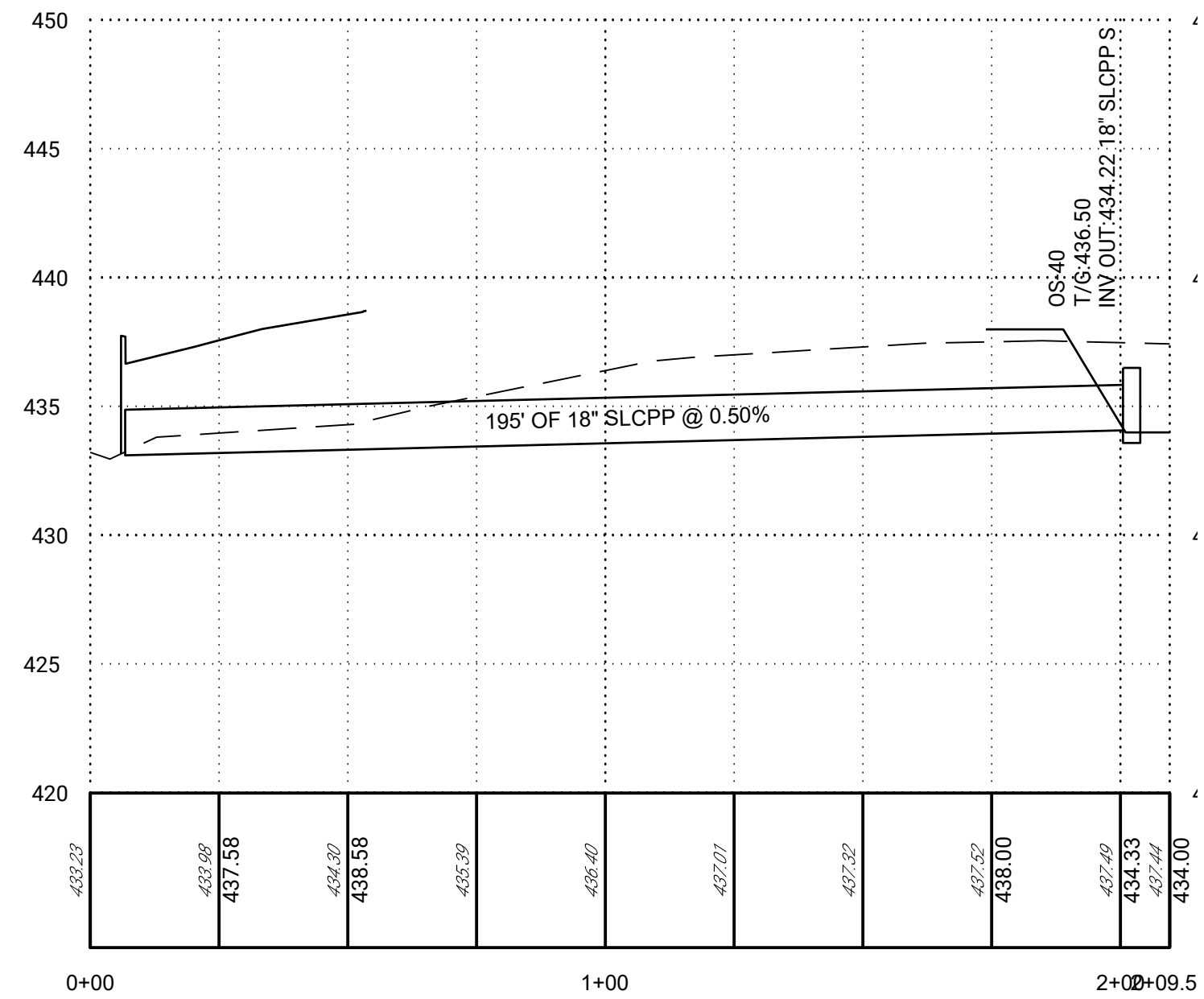
C1A 513



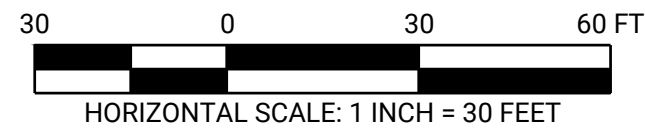
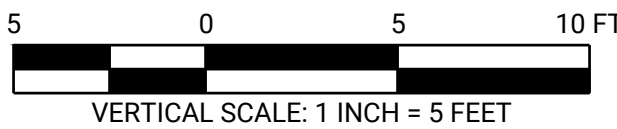
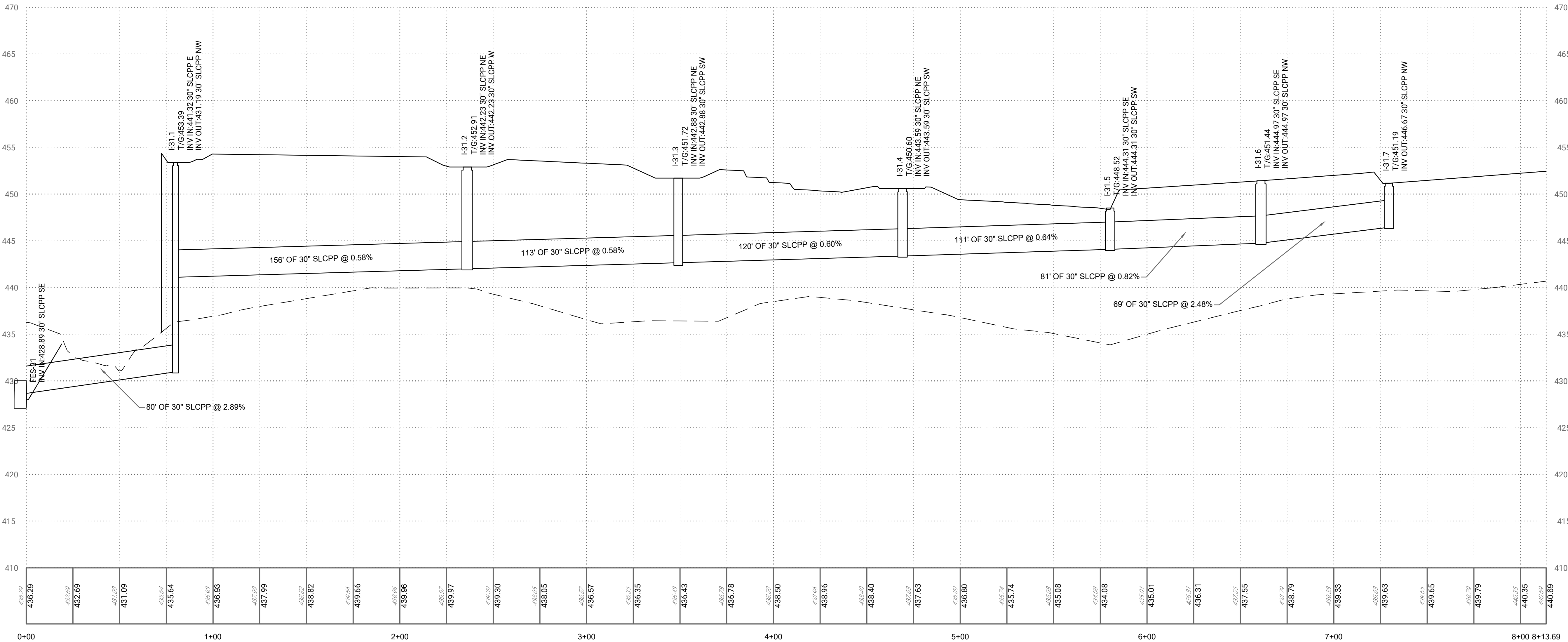
ALIGNMENT 26 PROFILE



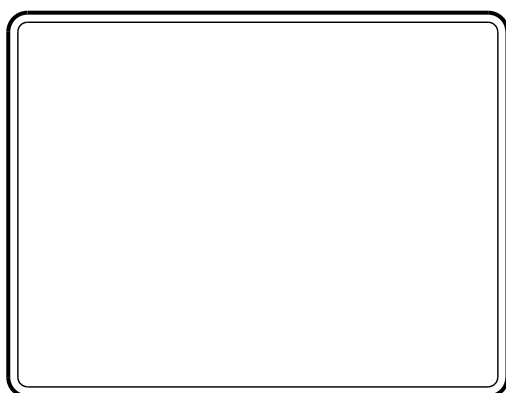
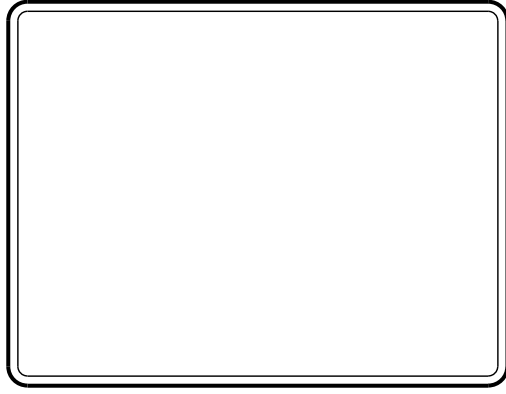
ALIGNMENT 38 PROFILE



ALIGNMENT 40 PROFILE



ALIGNMENT 31 PROFILE



REV	DATE	COMMENTS	BY	CHKD	JHR
1	08/18/25	INITIAL SUBMISSION	CRP		

LIVIC

civil

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE REPRODUCED OR UTILIZED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY APPROVED, SEALED PLANS SHALL BE IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVIC CIVIL, LLC

PROJECT No:	1258-01
DATE:	AUGUST 18, 2025
SCALE:	AS SHOWN
DRAWN BY:	RJB
CHECKED BY:	JHR

PROJECT

PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

CLIENT

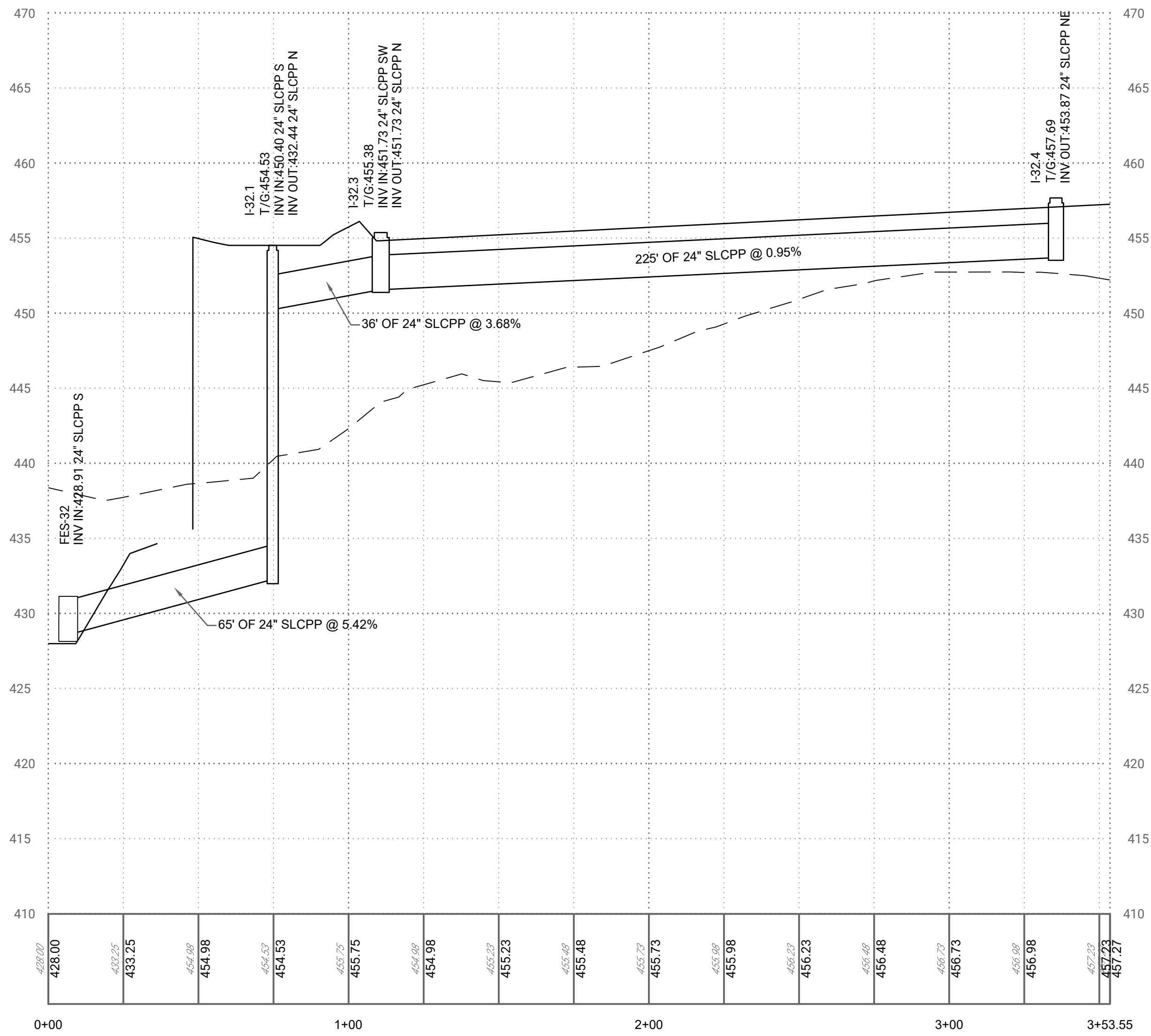
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

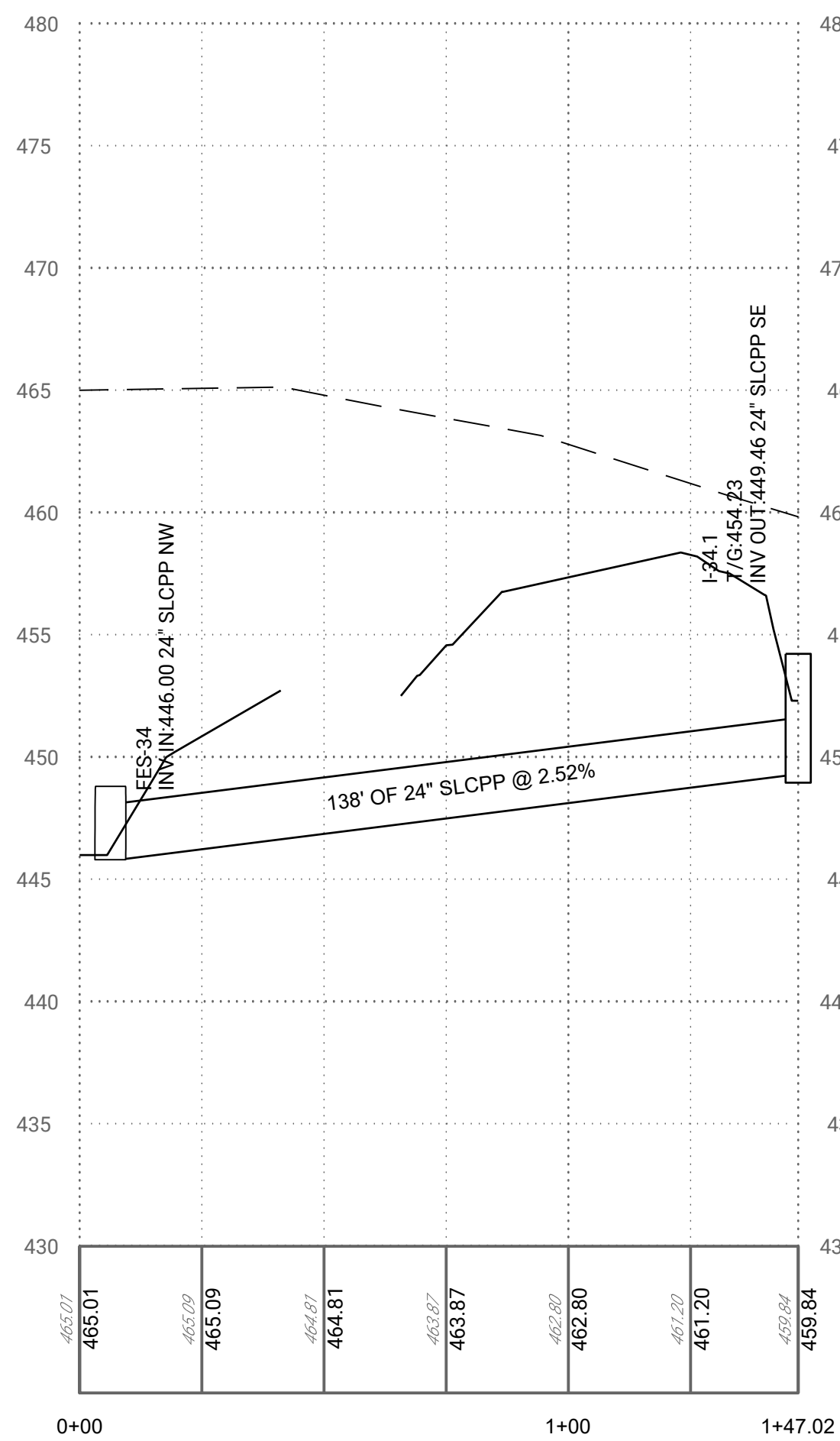
PROFILES

SHEET NO.

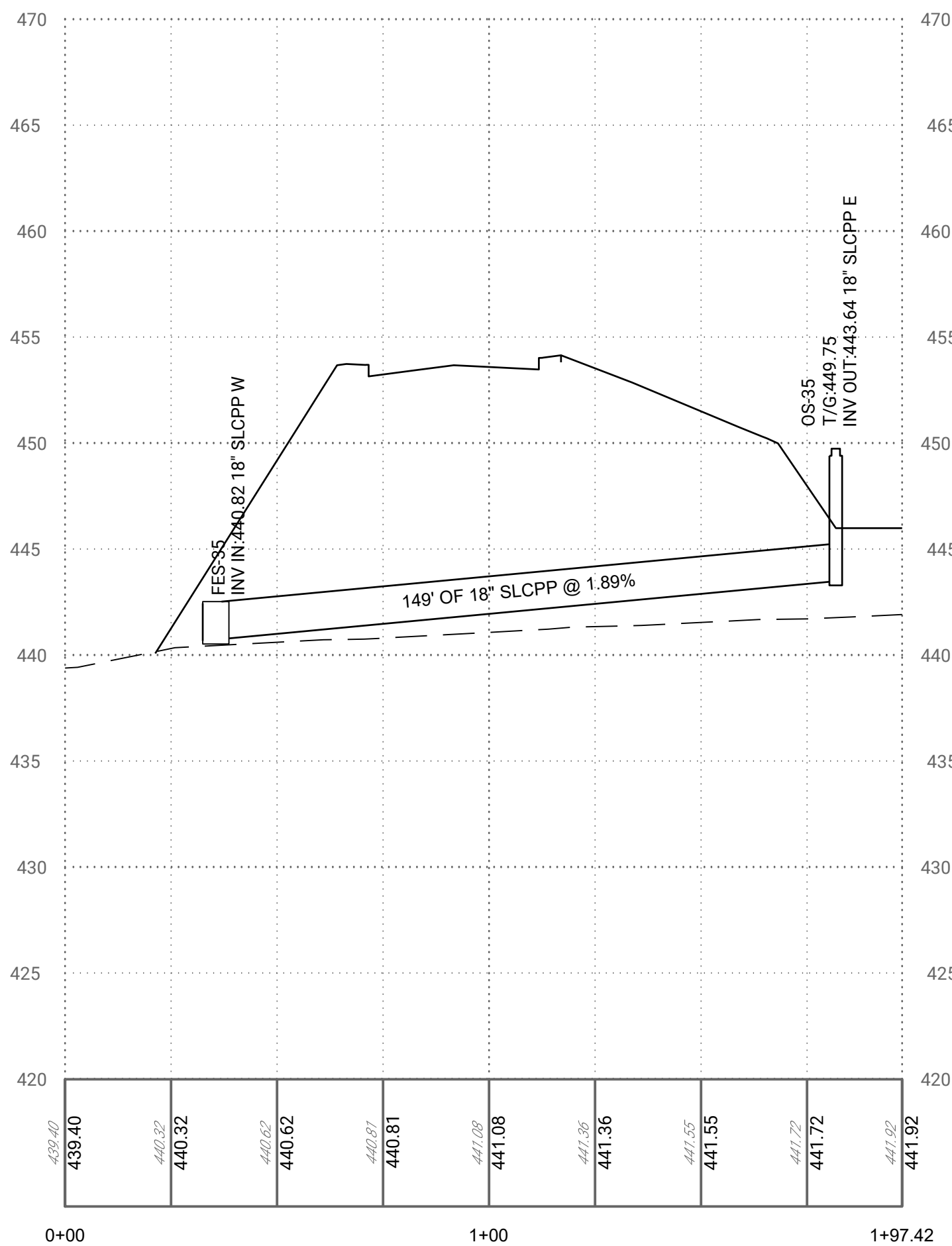
C1A 514



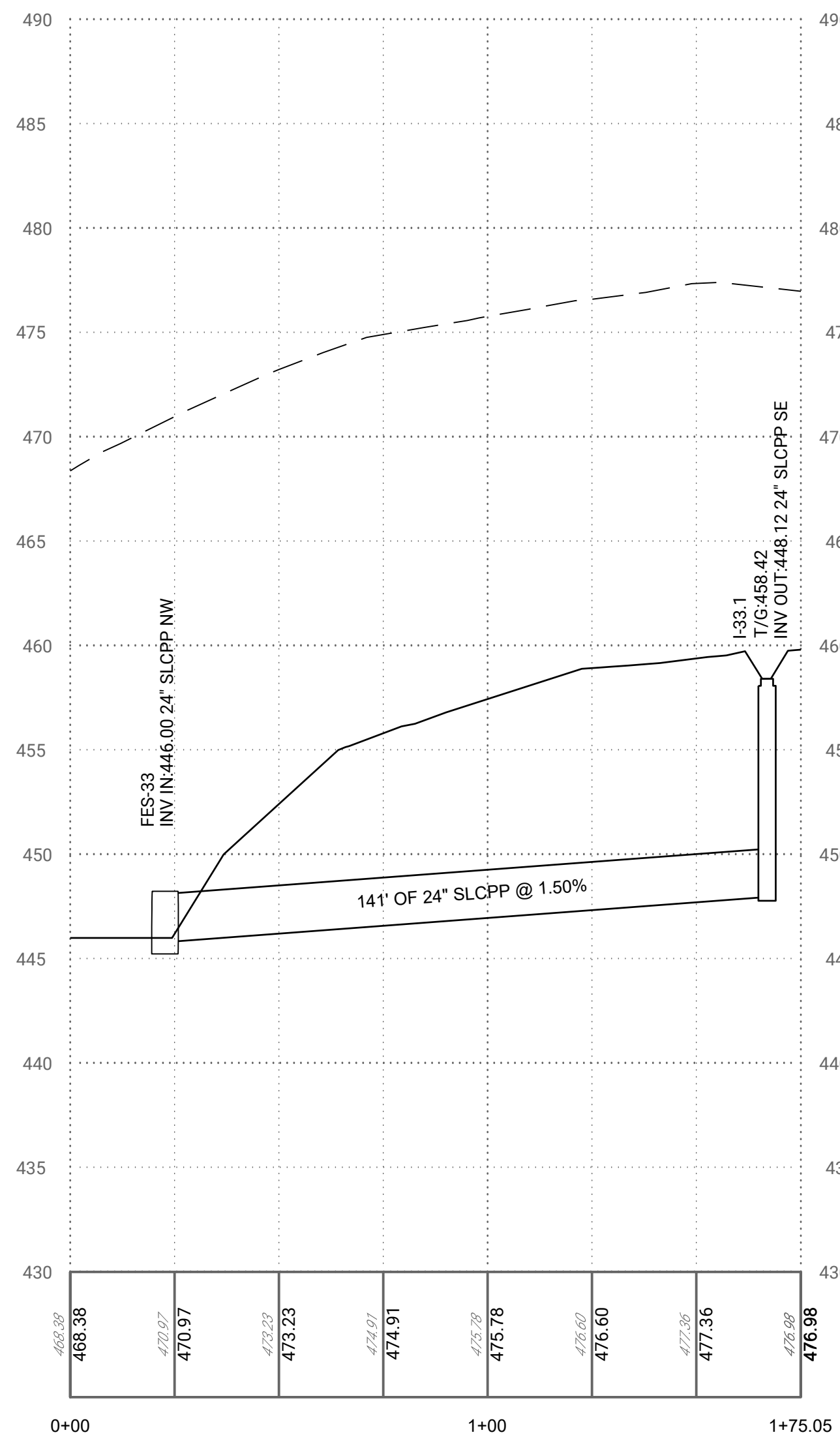
ALIGNMENT 32 PROFILE



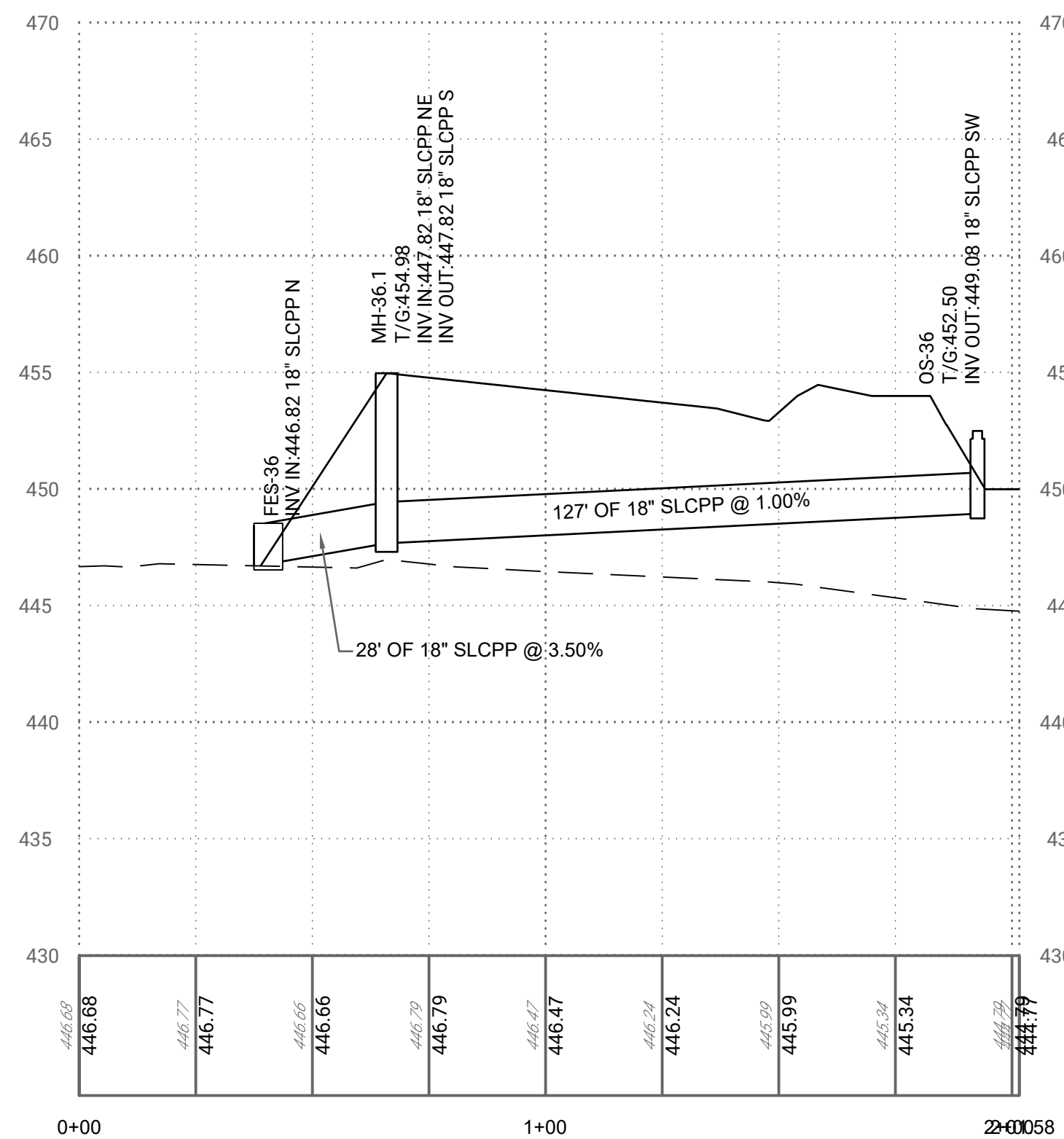
ALIGNMENT 34 PROFILE



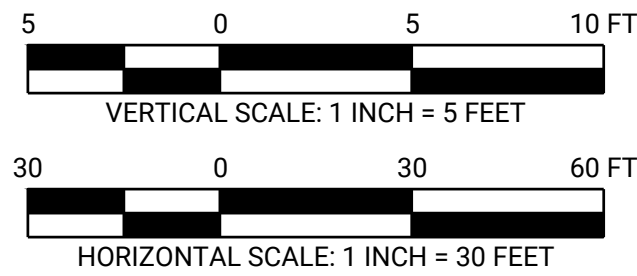
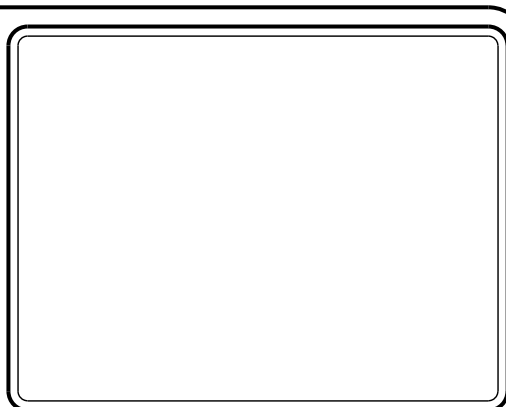
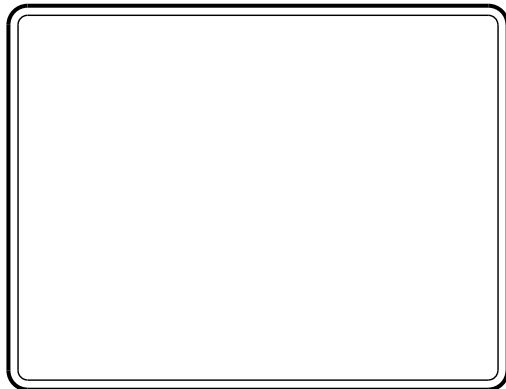
ALIGNMENT 35 PROFILE



ALIGNMENT 33 PROFILE



ALIGNMENT 36 PROFILE



REV	DATE	COMMENTS	CRP	JHR
1	08/18/25	INITIAL SUBMISSION		

LIVIC
civil

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE REPRODUCED OR UTILIZED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY APPROVED, SEALED PLANS SHALL BE IMPLEMENTED FOR CONSTRUCTION PURPOSES. © 2025 LIVIC CIVIL, LLC

PROJECT No:	1258-01
DATE:	AUGUST 18, 2025
SCALE:	AS SHOWN
DRAWN BY:	RJB
CHECKED BY:	JHR

PROJECT

PROJECT BOLT

**MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA**

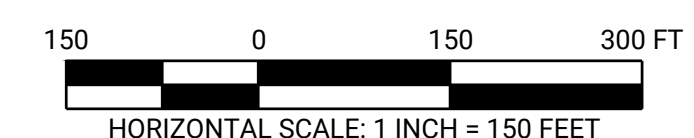
CLIENT
**CARLISLE
DEVELOPMENT
PARTNERS, LLC**
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

PROFILES

SHEET NO.

C1A 515



LIVIC
civil
1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com
ALL CONTENTS OF THIS PLAN ARE PROPRIETARY
AND SHALL NOT BE REPRODUCED OR UTILIZED FOR
ANY PURPOSE WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY
APPROVED, SEALED PLANS SHALL BE
IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVIC CIVIL, LLC

PROJECT

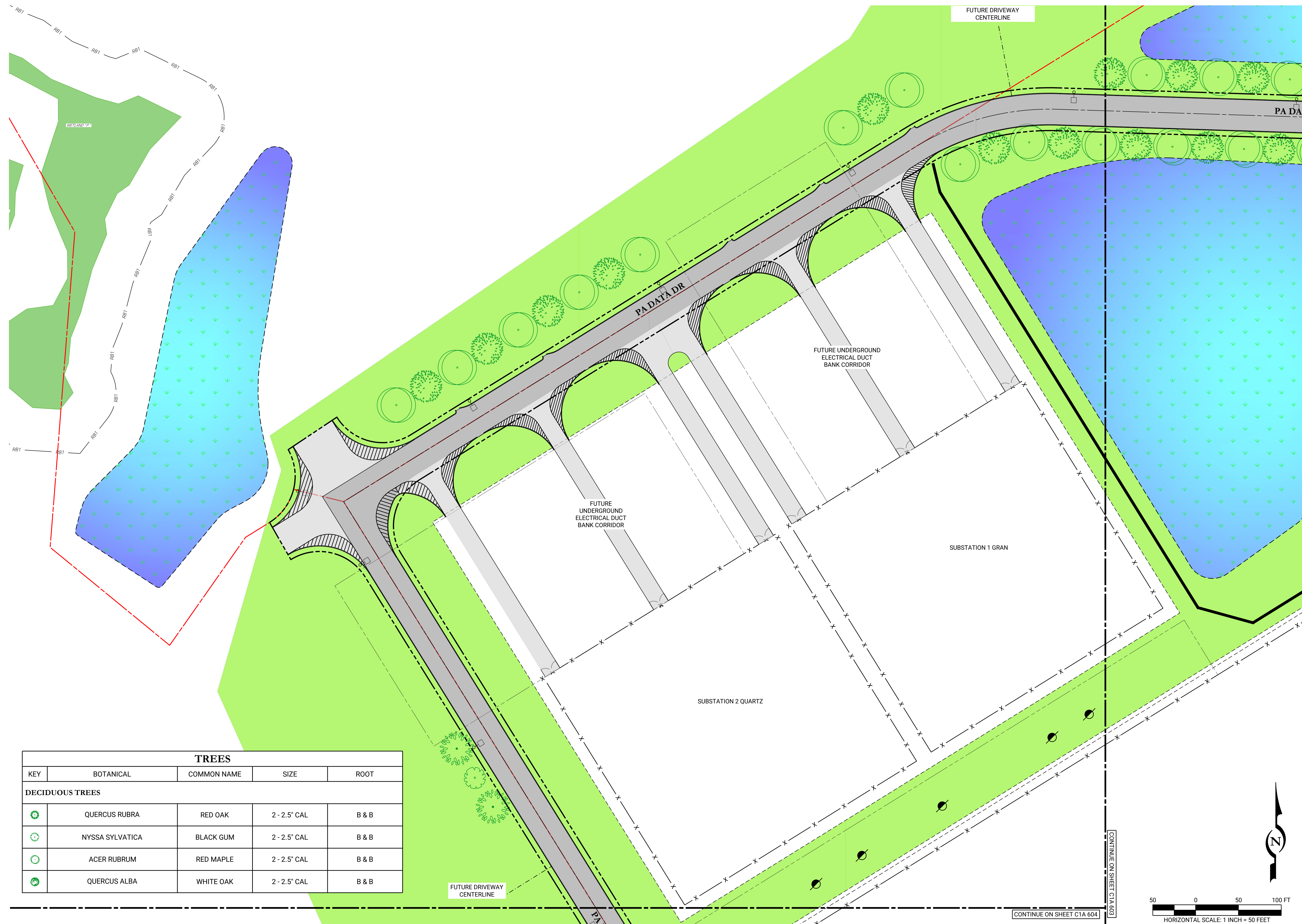
PROJECT BOLT

**MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA**

SHEET TITLE

LANDSCAPING
PLAN

SHEET NO. C1A 601



TREES				
KEY	BOTANICAL	COMMON NAME	SIZE	ROOT
DECIDUOUS TREES				
	QUERCUS RUBRA	RED OAK	2 - 2.5" CAL	B & B
	NYSSA SYLVATICA	BLACK GUM	2 - 2.5" CAL	B & B
	ACER RUBRUM	RED MAPLE	2 - 2.5" CAL	B & B
	QUERCUS ALBA	WHITE OAK	2 - 2.5" CAL	B & B

[illegible]

LIVVIC
civil

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.livviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY
AND SHALL NOT BE REPRODUCED OR UTILIZED FOR
ANY PURPOSE WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM LIVVIC CIVIL, LLC. ONLY
APPROVED, SEALED PLANS SHALL BE
IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVVIC CIVIL, LLC

PROJECT No:		1258-01	
DATE:		AUGUST 18, 2025	
SCALE:		AS SHOWN	
DRAWN BY: RJB		CHECKED BY: JHR	

PROJECT

PROJECT BOLT

**MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA**



CLIENT

**CARLISLE
DEVELOPMENT
PARTNERS, LLC**

**1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102**

PHONE: (703) 234-3056

SHEET TITLE

LANDSCAPING
PLAN

SHEET NO. C1A 602

TREES

KEY	BOTANICAL	COMMON NAME	SIZE	ROOT	COMMENTS
DECIDUOUS TREES					
☼	QUERCUS RUBRA	RED OAK	2 - 2.5" CAL	B & B	
☼	NYSSA SYLVATICA	BLACK GUM	2 - 2.5" CAL	B & B	
EVERGREEN TREES					
☼	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	5-6' HGT.	CONT.	12' O.C.
☼	TSUGA CANADENSIS	EASTERN HEMLOCK	5-6' HGT.	B & B	20' O.C.
☼	THUJA PICATA "GREEN GIANT"	GIANT GREEN ARBORVITAE	5-6' HGT.	CONT.	12' O.C.

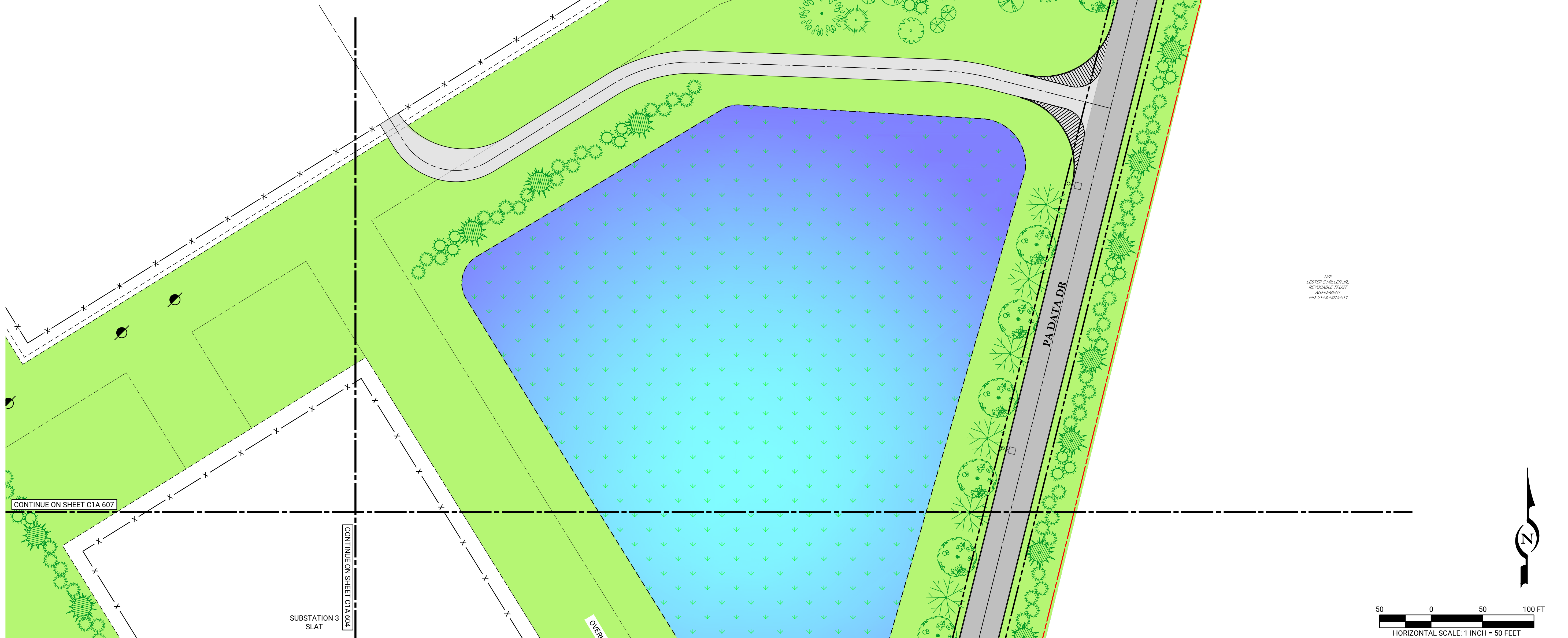
Site Plan Details:

- Driveway:** PADATA DR, FUTURE DRIVEWAY CENTERLINE
- Road:** PADATA DR
- Transmission Line:** OVERHEAD TRANSMISSION ROW
- Substation:** PPL SUBSTATION BERN
- Scale:** HORIZONTAL SCALE: 1 INCH = 50 FEET
- North Arrow:** N
- Continuation:** CONTINUE ON SHEET C1A 606

SHEET NO. C1A 604

CONTINUE ON SHEET C1A 603

TREES					
KEY	BOTANICAL	COMMON NAME	SIZE	ROOT	COMMENTS
DECIDUOUS TREES					
	QUERCUS RUBRA	RED OAK	2 - 2.5" CAL	B & B	
	NYSSA SYLVATICA	BLACK GUM	2 - 2.5" CAL	B & B	
	AMELANCHIER ARBOREA	SERVICEBERRY	6-8' HGT.	CONT.	MULTI-STEMMED
	CERCIS CANADENSIS	REDBUD	6-8' HGT.	CONT.	MULTI-STEMMED
	MAGNOLIA GRANDIFLORA "BRAKEN'S BROWN BEAUTY"	SOUTHERN MAGNOLIA	2 - 2.5" CAL	B & B	
	ACER SACHARRUM	SUGAR MAPLE	2 - 2.5" CAL	B & B	
	QUERCUS MONTANA	CHESTNUT OAK	2 - 2.5" CAL	B & B	
EVERGREEN TREES					
	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	5-6' HGT.	CONT.	12' O.C.
	TSUGA CANADENSIS	EASTERN HEMLOCK	5-6' HGT.	B & B	20' O.C.
	THUJA PICATA "GREEN GIANT"	GIANT GREEN ARBORVITAE	5-6' HGT.	CONT.	12' O.C.



N/F
LESTER S MILLER JR
REVOCABLE TRUST
AGREEMENT
PID: 21-06-0015-011



LIVVIC
civil

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.livviccivil.com

PROJECT No:		1258-01
DATE:		AUGUST 18, 2025
SCALE:		AS SHOWN
DRAWN BY:	RJB	CHECKED BY: JHR

PROJECT BOLT

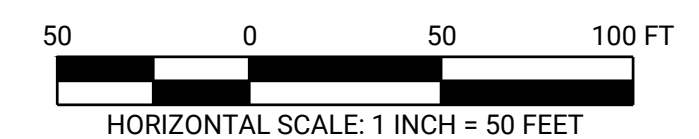
**MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA**

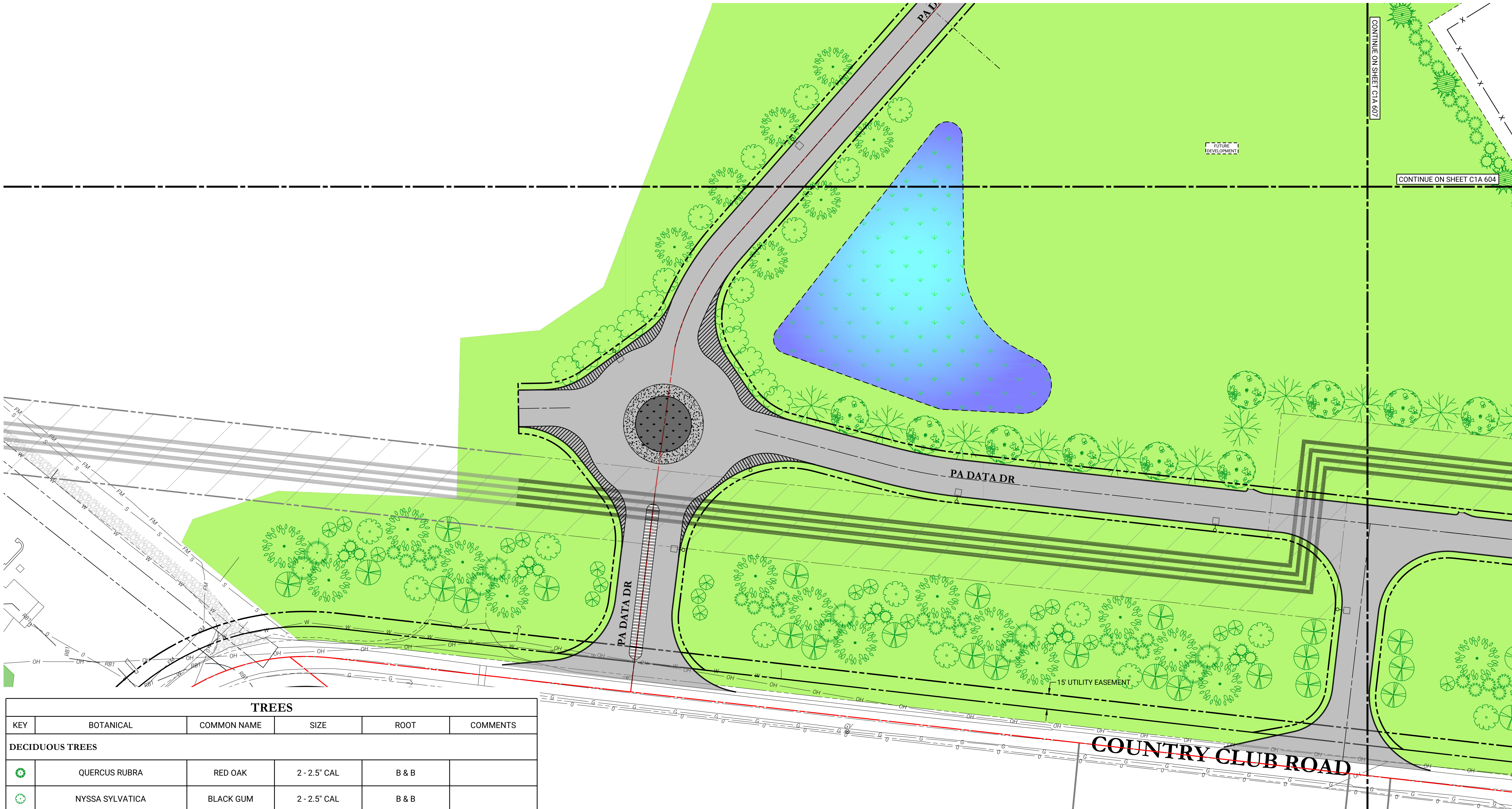
CLIENT

CHARLISLE
DEVELOPMENT
PARTNERS, LLC
660 INTERNATIONAL DRIVE
RICHLAND, VA 22102
PHONE: (703) 234-3056

LANDSCAPING
PLAN

SHEET NO. C1A 605





TREES					
KEY	BOTANICAL	COMMON NAME	SIZE	ROOT	COMMENTS
DECIDUOUS TREES					
	QUERCUS RUBRA	RED OAK	2 - 2.5" CAL	B & B	
	NYSSA SYLVATICA	BLACK GUM	2 - 2.5" CAL	B & B	
	AMELANCHIER ARBOREA	SERVICEBERRY	6-8' HGT.	CONT.	MULTI-STEMMED
	CERCIS CANADENSIS	REDBUD	6-8' HGT.	CONT.	MULTI-STEMMED
	MAGNOLIA GRANDIFLORA "BRAKEN'S BROWN BEAUTY"	SOUTHERN MAGNOLIA	2 - 2.5" CAL	B & B	
	ACER SACHARRUM	SUGAR MAPLE	2 - 2.5" CAL	B & B	
	GINKGO BILOBA "PRINCETON SENTRY"	SENTRY GINKGO	2 - 2.5" CAL	B & B	UNIFORM IN SIZE AND FORM
	QUERCUS MONTANA	CHESTNUT OAK	2 - 2.5" CAL	B & B	
EVERGREEN TREES					
	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	5-6' HGT.	CONT.	12' O.C.
	TSUGA CANADENSIS	EASTERN HEMLOCK	5-6' HGT.	B & B	20' O.C.
	THUJA PICATA "GREEN GIANT"	GIANT GREEN ARBORVITAE	5-6' HGT.	CONT.	12' O.C.

REV	DATE	COMMENTS	BY	CHKD
1	08/18/25	INITIAL SUBMISSION	CRP	JHR
ISSUE / REVISIONS				

LIVIC

civil

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE REPRODUCED OR UTILIZED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY APPROVED, SEALED PLANS SHALL BE IMPLEMENTED FOR CONSTRUCTION PURPOSES. © 2025 LIVIC CIVIL, LLC

PROJECT No: 1258-01

DATE: AUGUST 18, 2025

SCALE: AS SHOWN

DRAWN BY: RJB | CHECKED BY: JHR

PROJECT

PROJECT BOLT

MIDDLESEX TOWNSHIP
CUMBERLAND COUNTY
PENNSYLVANIA

CLIENT
CARLISLE DEVELOPMENT PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

LANDSCAPING PLAN

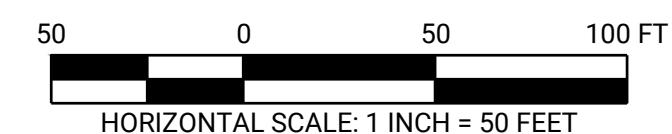
SHEET NO.

C1A 606

CONTINUE ON SHEET C1A 606



TREES					
KEY	BOTANICAL	COMMON NAME	SIZE	ROOT	COMMENTS
DECIDUOUS TREES					
	QUERCUS RUBRA	RED OAK	2 - 2.5" CAL	B & B	
	NYSSA SYLVATICA	BLACK GUM	2 - 2.5" CAL	B & B	
	AMELANCHIER ARBOREA	SERVICEBERRY	6-8' HGT.	CONT.	MULTI-STEMMED
	CERCIS CANADENSIS	REDBUD	6-8' HGT.	CONT.	MULTI-STEMMED
	MAGNOLIA GRANDIFLORA "BRAKEN'S BROWN BEAUTY"	SOUTHERN MAGNOLIA	2 - 2.5" CAL	B & B	
	ACER SACHARRUM	SUGAR MAPLE	2 - 2.5" CAL	B & B	
	QUERCUS MONTANA	CHESTNUT OAK	2 - 2.5" CAL	B & B	
EVERGREEN TREES					
	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	5-6' HGT.	CONT.	12' O.C.
	TSUGA CANADENSIS	EASTERN HEMLOCK	5-6' HGT.	B & B	20' O.C.
	THUJA PICATA "GREEN GIANT"	GIANT GREEN ARBORVITAE	5-6' HGT.	CONT.	12' O.C.



--

--

[illegible]

LIVVIC
civil

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.livviccivil.com

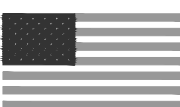
ALL CONTENTS OF THIS PLAN ARE PROPRIETARY
AND SHALL NOT BE REPRODUCED OR UTILIZED FOR
ANY PURPOSE WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM LIVVIC CIVIL, LLC. ONLY
APPROVED, SEALED PLANS SHALL BE
IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVVIC CIVIL, LLC

PROJECT No:		1258-01	
DATE:		AUGUST 18, 2025	
SCALE:		AS SHOWN	
DRAWN BY:		RJB	CHECKED BY: JHF

PROJECT

PROJECT BOLT

**MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA**

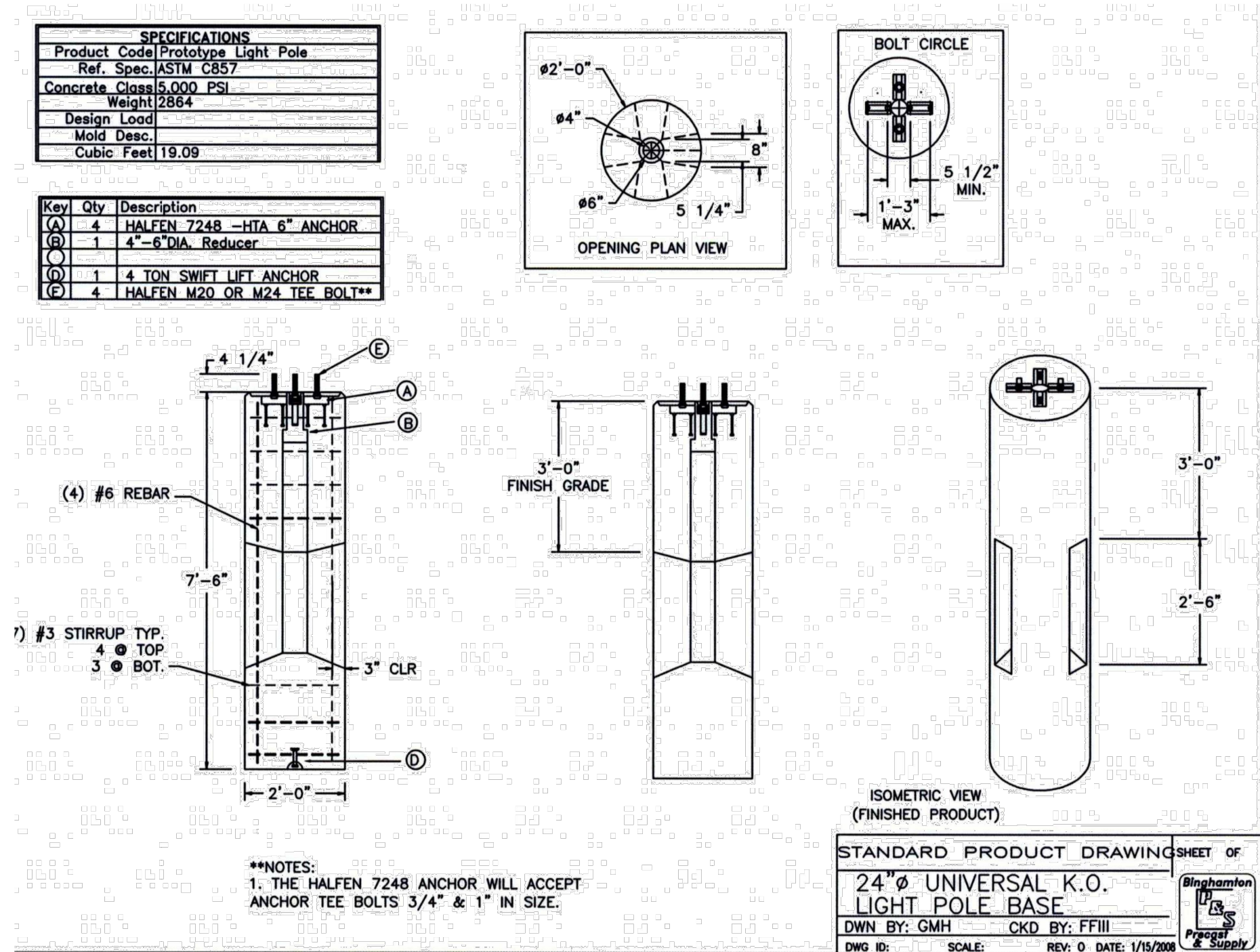


CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

LANDSCAPING
PLAN

SHEET NO. C1A 607

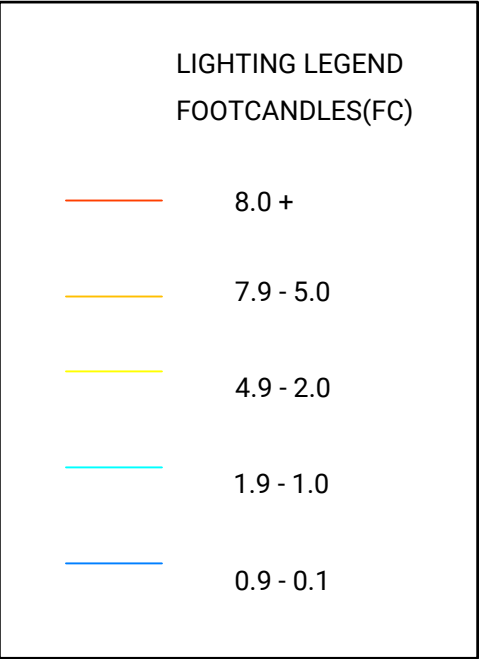
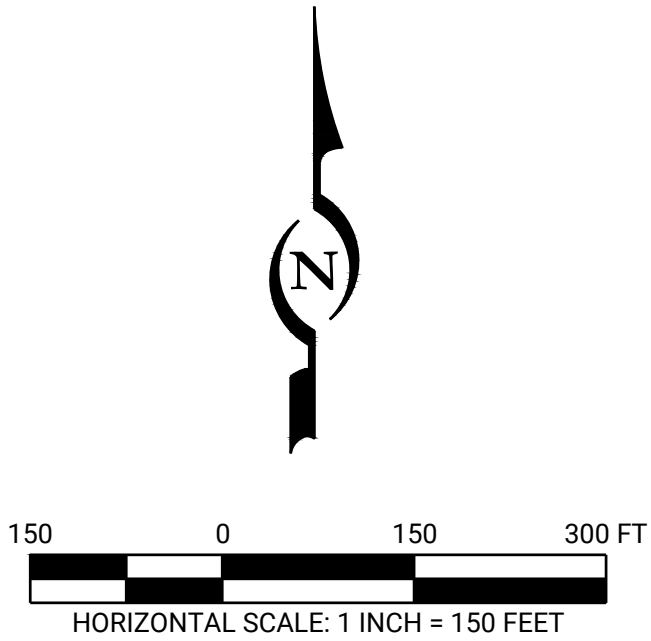


LIGHTING NOTES

- POST-APPROVAL ALTERATIONS TO LIGHTING PLANS OR INTENDED SUBSTITUTIONS FOR APPROVED LIGHTING EQUIPMENT SHALL BE SUBMITTED TO MIDDLESEX TOWNSHIP FOR REVIEW AND APPROVAL. REQUESTS FOR SUBSTITUTIONS SHALL BE ACCOMPANIED BY CATALOG CUTS OF THE PROPOSED EQUIPMENT AND LIGHTING PLANS, INCLUDING A POINT-BY-POINT PLOT, AS REQUIRED ABOVE, THAT DEMONSTRATE FULL COMPLIANCE WITH THE PLAN PREVIOUSLY APPROVED BY MIDDLESEX TOWNSHIP.
- THE TOWNSHIP RESERVES THE RIGHT TO CONDUCT POST-INSTALLATION INSPECTIONS TO VERIFY COMPLIANCE WITH THE ORDINANCE REQUIREMENTS AND APPROVED LIGHTING PLAN COMMITMENTS, AND IF DEEMED APPROPRIATE BY THE BOARD OF SUPERVISORS, TO REQUIRE REMEDIAL ACTION AT NO EXPENSE TO THE TOWNSHIP.
- ALL EXTERIOR LIGHTING SHALL MEET IESNA FULL-CUTOFF CRITERIA UNLESS OTHERWISE SPECIFICALLY APPROVED BY THE BOARD OF SUPERVISORS.
- INSTALLER SHALL NOTIFY MIDDLESEX TOWNSHIP TO ARRANGE FOR INSPECTION AND APPROVAL OF ALL EXTERIOR LIGHTING, INCLUDING BUILDING-MOUNTED LIGHTING, PRIOR TO ITS INSTALLATION.
- THE ILLUMINATION PROJECTED FROM ANY USE ONTO A RESIDENTIAL USE SHALL AT NO TIME EXCEED ONE-TENTH (0.1) FOOTCANDLE, MEASURED LINE-OF-SIGHT FROM ANY POINT ONTO A RESIDENTIAL USE SHALL HAVE A COLOR TEMPERATURE OF 3,000° K OR LESS.
- THE ILLUMINATION PROJECTED FROM ANY PROPERTY ONTO A NON-RESIDENTIAL USE SHALL AT NO TIME EXCEED ONE (1.0) FOOTCANDLE, MEASURED LINE-OF-SIGHT FROM ANY POINT ON THE RECEIVING PROPERTY.

LUMINAIRE SCHEDULE

CALLOUT	SYMBOL	LAMP	DESCRIPTION	BALLAST	MOUNTING	MODEL	VOLTS	QUANTITY	DEFAULT ELEVATION	LAMP DEPRECIATION
STREET		(9)	PREVAIL M AREA AND ROADWAY LUMINAIRE(9) 70 CRI, 4000K LEDS AND TYPE III OPTICS, BRONZE PAINTED FINISH	ELECTRONIC	POLE	COOPER LIGHTING SOLUTIONS - LUMARK, PRV-M-C275-D-U-T3-BZ	120V 1P 2W	34	30'	1



REV	DATE	COMMENTS	ISSUE / REVISIONS
1	08/18/25	INITIAL SUBMISSION	JHR CRP BY CHKD

LIVIC
civil

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE REPRODUCED OR UTILIZED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY APPROVED, SEALED PLANS SHALL BE IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVIC CIVIL, LLC

PROJECT NO:	1258-01
DATE:	AUGUST 18, 2025
SCALE:	AS SHOWN
DRAWN BY:	RJB
CHECKED BY:	JHR

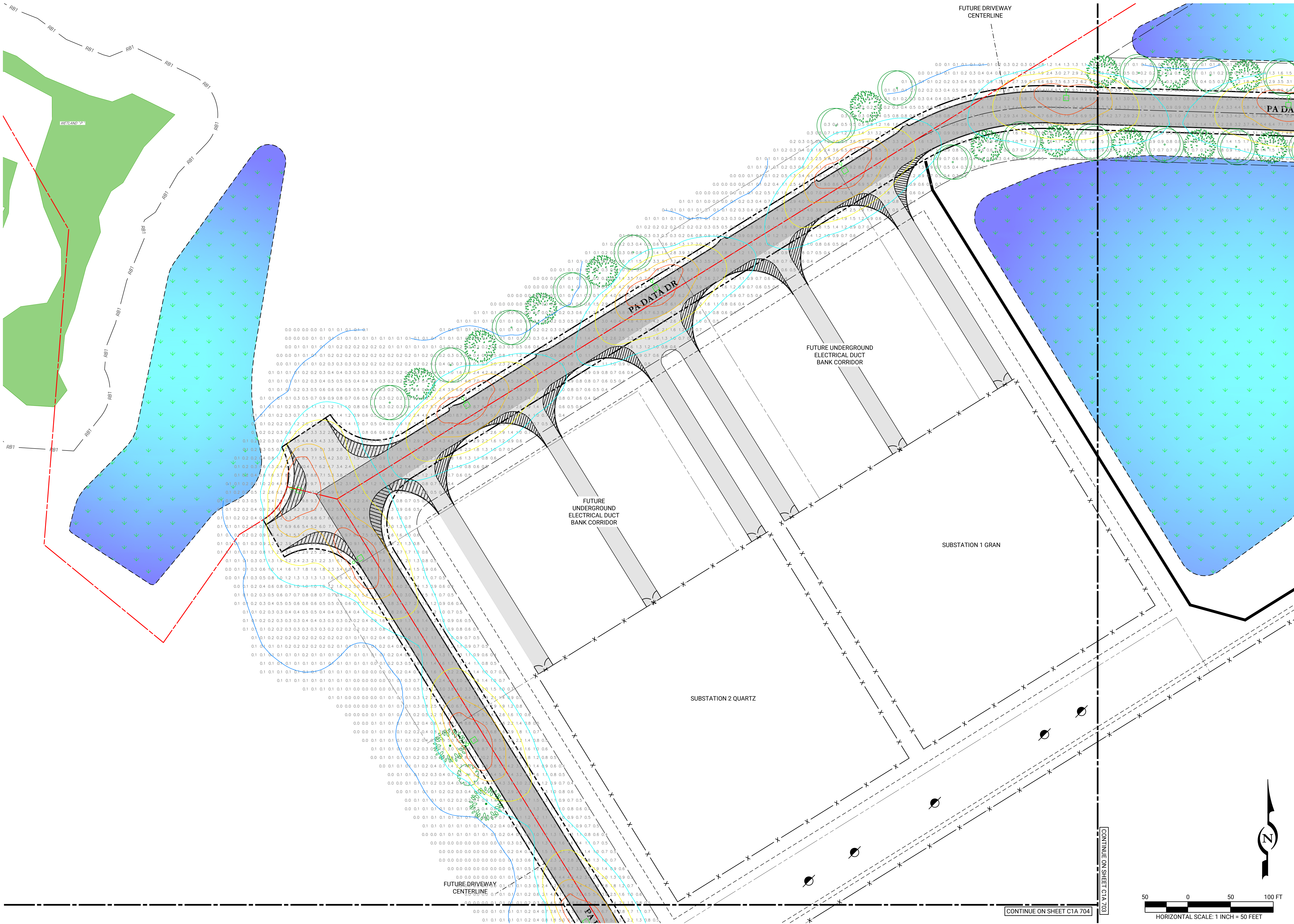
PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE
**PHOTOMETRIC
OVERALL PLAN**

SHEET NO.
C1A 701



ISSUE / REVISIONS	
REV	DATE
1	08/18/25
INITIAL SUBMISSION	
COMMENTS	
JHR	
CRP	
BY	
CHKD	

LIVIC

civil

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY
AND SHALL NOT BE REPRODUCED OR UTILIZED FOR
ANY PURPOSE WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY
APPROVED, SEALED PLANS SHALL BE
IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVIC CIVIL, LLC

PROJECT No:	1258-01
DATE:	AUGUST 18, 2025
SCALE:	AS SHOWN
DRAWN BY:	RJB
CHECKED BY:	JHR

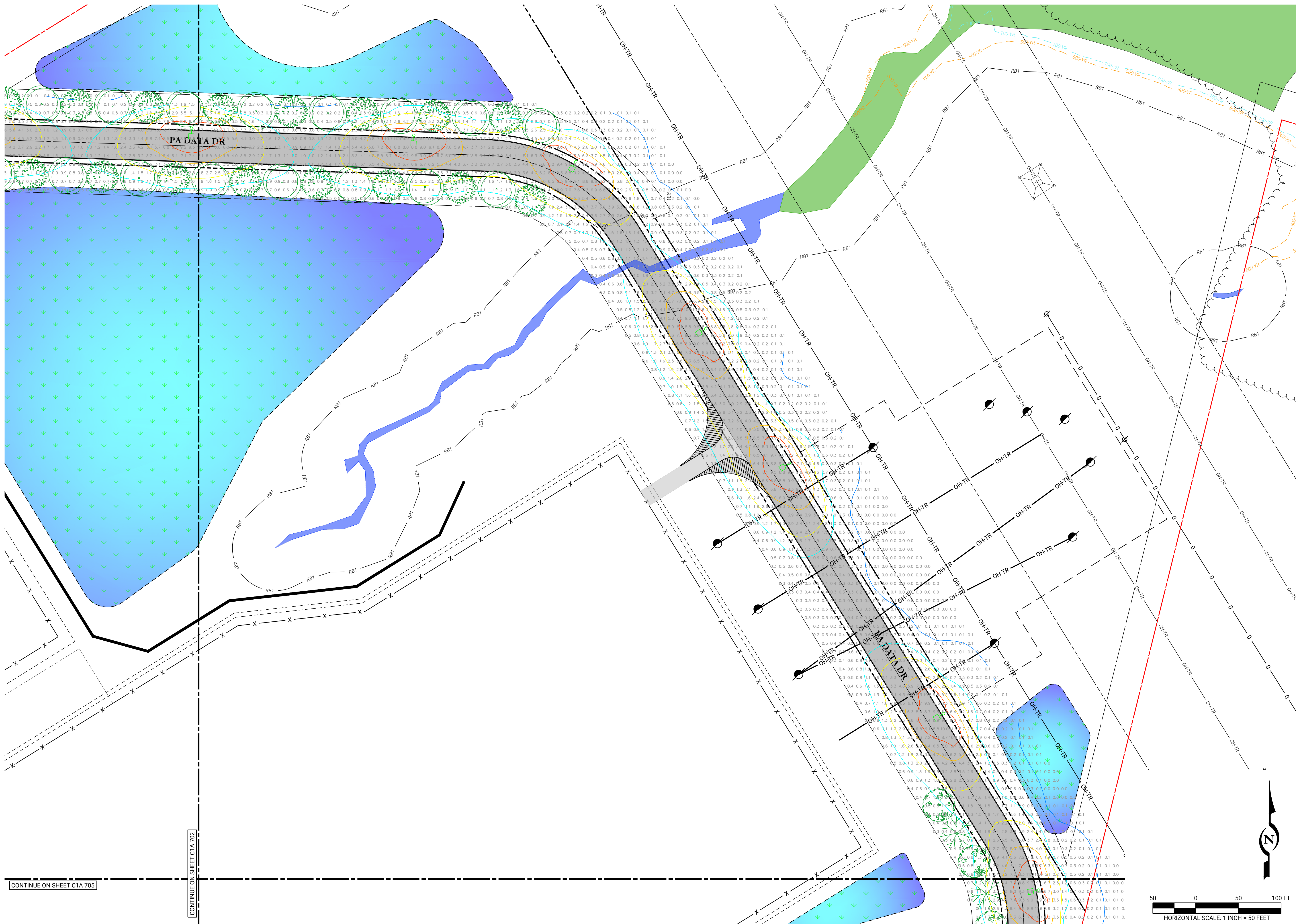
PROJECT
PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE
**PHOTOMETRIC
PLAN**

SHEET NO.
C1A 702



CONTINUE ON SHEET C1A 705

CONTINUE ON SHEET C1A 702

REV	DATE	COMMENTS	CRP	JHR	BY	CHKD
1	08/18/25	INITIAL SUBMISSION				

LIVIC
civil
1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com
ALL CONTENTS OF THIS PLAN ARE PROPRIETARY
AND SHALL NOT BE REPRODUCED OR UTILIZED FOR
ANY PURPOSE WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY
APPROVED, SEALED PLANS SHALL BE
IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVIC CIVIL, LLC

PROJECT No:	1258-01
DATE:	AUGUST 18, 2025
SCALE:	AS SHOWN
DRAWN BY:	RJB / CHECKED BY: JHR

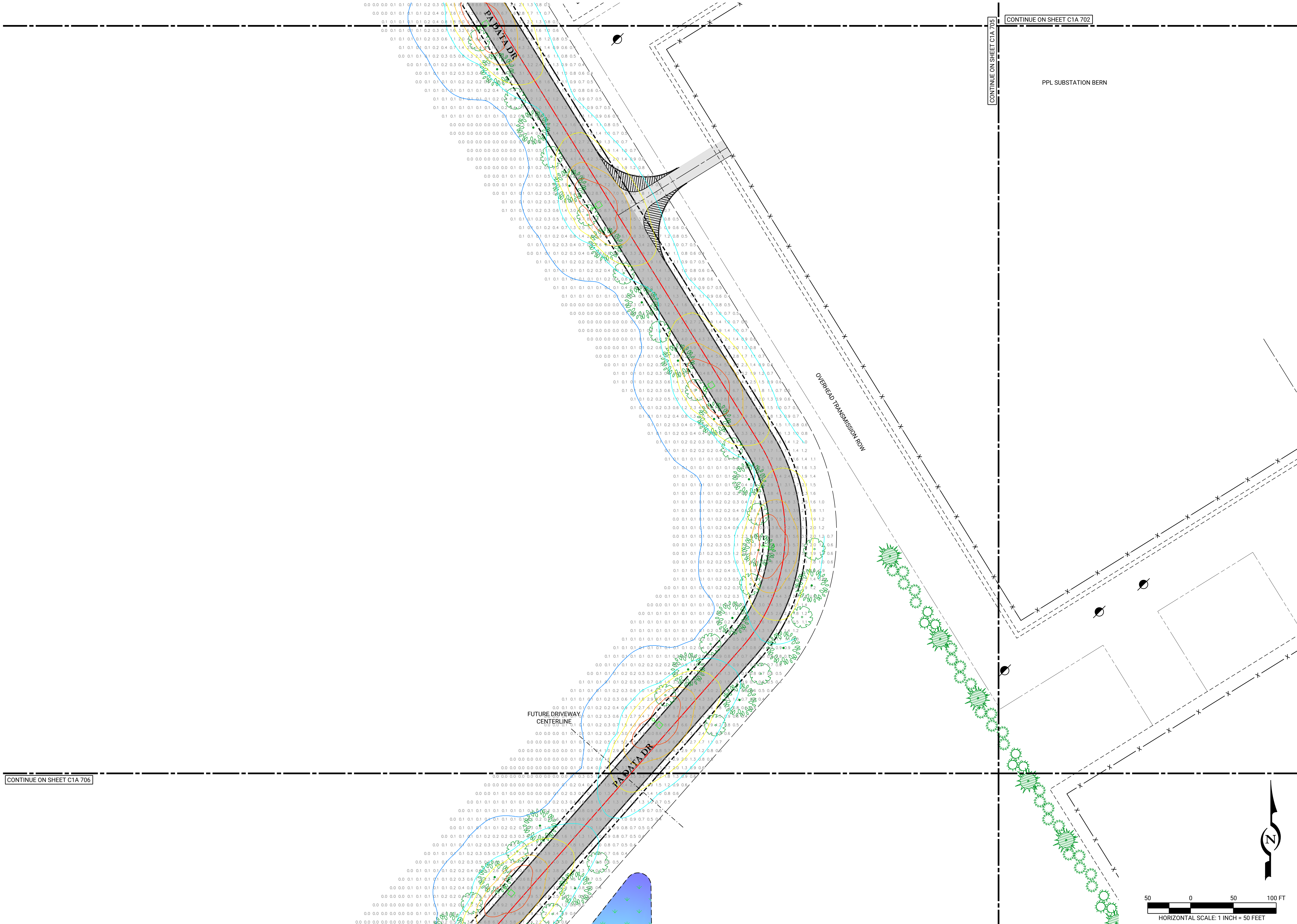
PROJECT
PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE
**PHOTOMETRIC
PLAN**

SHEET NO.
C1A 703



--

--

ISSUE / REVISIONS		COMMENTS		CRP	JHR
REV	DATE			BY	CHKD
1	08/18/25	INITIAL SUBMISSION			



1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

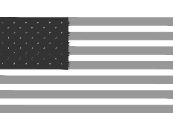
ALL CONTENTS OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE REPRODUCED OR UTILIZED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY APPROVED, SEALED PLANS SHALL BE IMPLEMENTED FOR CONSTRUCTION PURPOSES. © 2025 LIVIC CIVIL, LLC

PROJECT No:	1258-01
DATE:	AUGUST 18, 2025
SCALE:	AS SHOWN
DRAWN BY:	RJB
CHECKED BY:	JHR

PROJECT

PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA



CLIENT

CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

**PHOTOMETRIC
PLAN**

SHEET NO.

C1A 704

CONTINUE ON SHEET C1A 703

PPL SUBSTATION BERN

CONTINUE ON SHEET C1A 707

CONTINUE ON SHEET C1A 704

SUBSTANTI
SLAT

OVERT

RB1
OVERHEAD TRANSMISSION ROW

PA DATE: _____

HORIZONTAL SCALE: 1 INCH = 50 FEET

LIVIC
civil

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY
AND SHALL NOT BE REPRODUCED OR UTILIZED FOR
ANY PURPOSE WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY
APPROVED, SEALED PLANS SHALL BE
IMPLEMENTED FOR CONSTRUCTION PURPOSES
© 2025 LIVIC CIVIL, LLC

PROJECT No:		1258-01	
DATE:		AUGUST 18, 2025	
SCALE:		AS SHOWN	
DRAWN BY:	RJB	CHECKED BY:	JHE

PROJECT

PROJECT BOLT

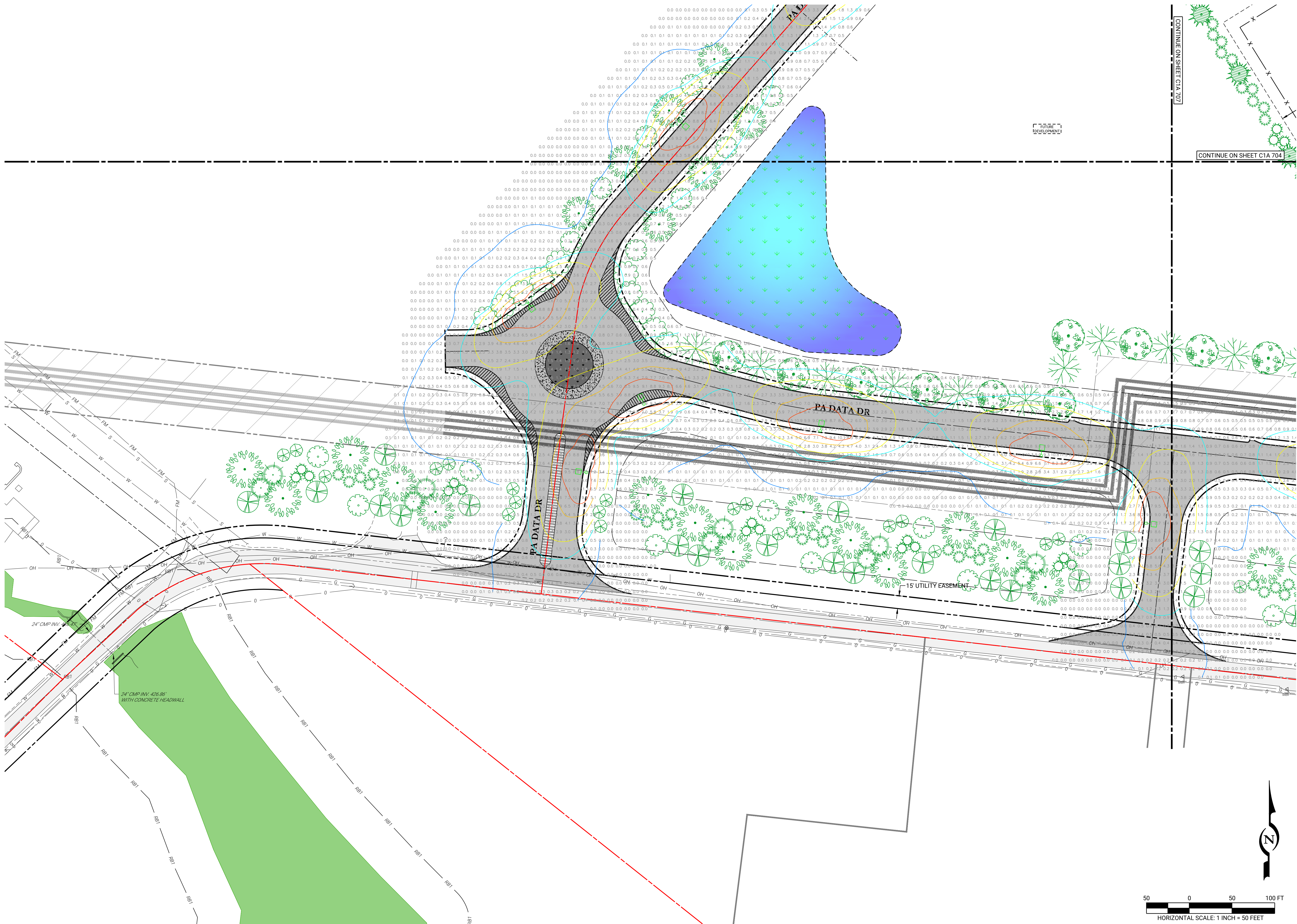
**MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA**

CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

PHOTOMETRIC
PLAN

SHEET NO. C1A 705



REV	DATE	COMMENTS	BY	CHKD
1	08/18/25	INITIAL SUBMISSION	CRP	JHR

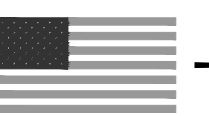
ISSUE / REVISIONS

LIVIC
civil

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com
ALL CONTENTS OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE REPRODUCED OR UTILIZED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY APPROVED, SEALED PLANS SHALL BE IMPLEMENTED FOR CONSTRUCTION PURPOSES. © 2025 LIVIC CIVIL, LLC

PROJECT No: 1259-01
DATE: AUGUST 18, 2025
SCALE: AS SHOWN
DRAWN BY: RJB | CHECKED BY: JHR

PROJECT
PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA


CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

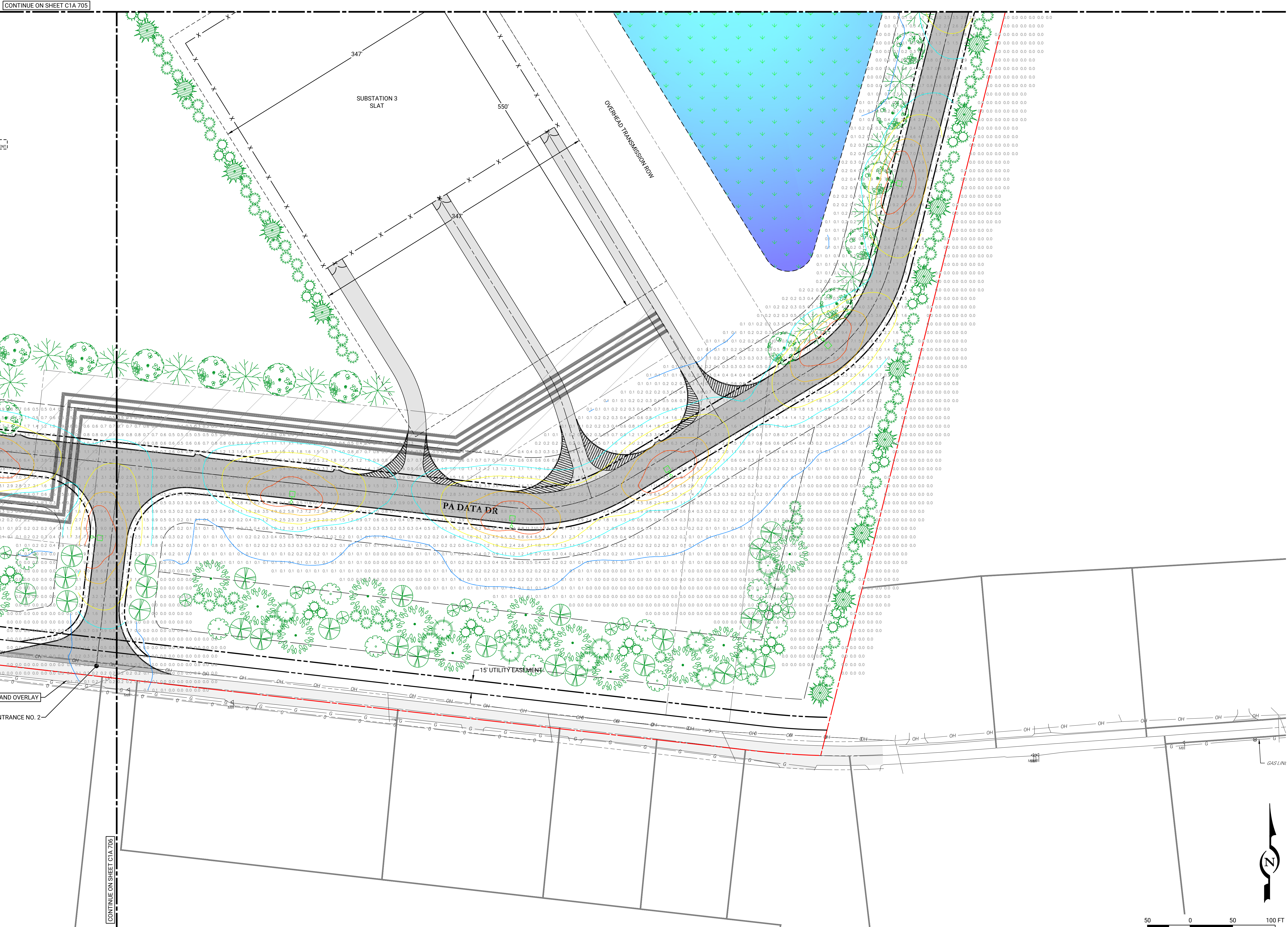
SHEET TITLE

**PHOTOMETRIC
PLAN**

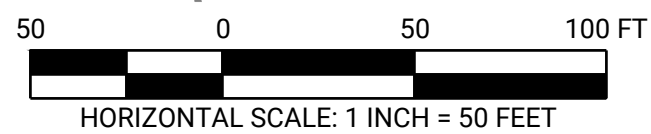
SHEET NO.
C1A 706

CONTINUE ON SHEET C1A 705

1"=50'



CONTINUE ON SHEET C1A 705



REV	DATE	ISSUE / REVISIONS
1	08/18/25	INITIAL SUBMISSION
		COMMENTS
		BY
		CRP
		JHR
		CHKD

LIVIC
civil
1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com
ALL CONTENTS OF THIS PLAN ARE PROPRIETARY
AND SHALL NOT BE REPRODUCED OR UTILIZED FOR
ANY PURPOSE WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY
APPROVED, SEALED PLANS SHALL BE
IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVIC CIVIL, LLC

PROJECT No:	1258-01
DATE:	AUGUST 18, 2025
SCALE:	AS SHOWN
DRAWN BY:	RJB / CHECKED BY: JHR

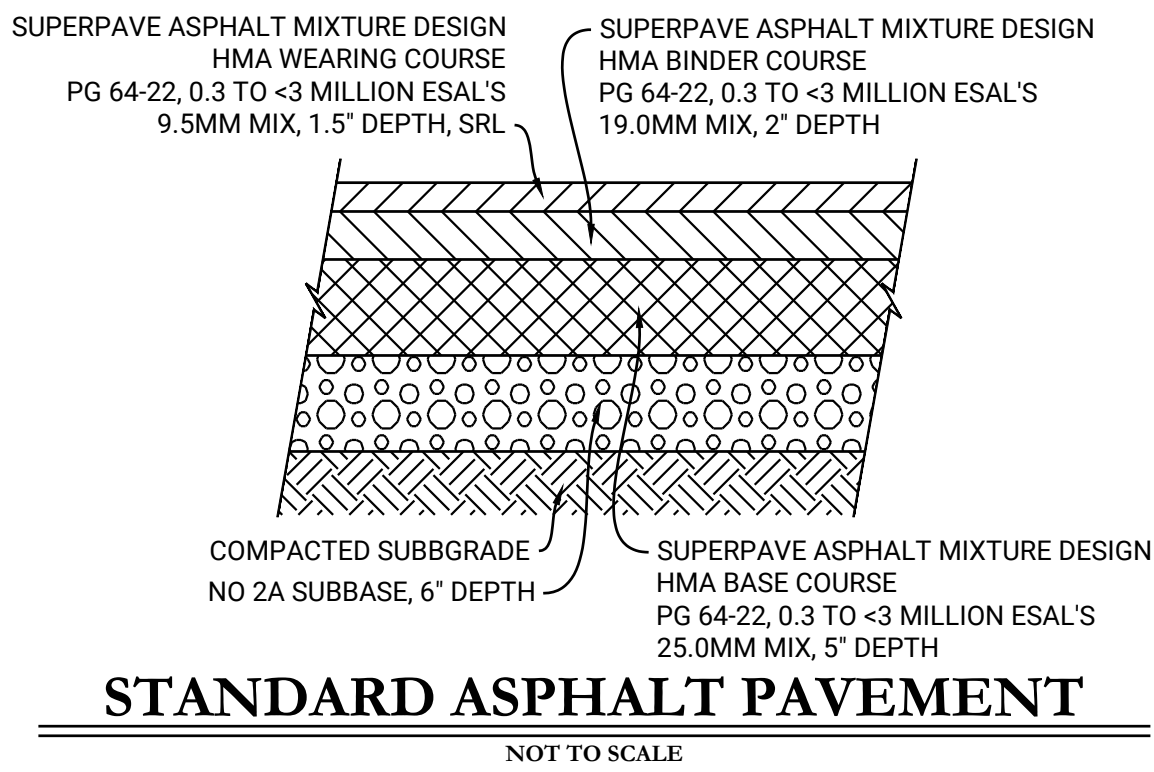
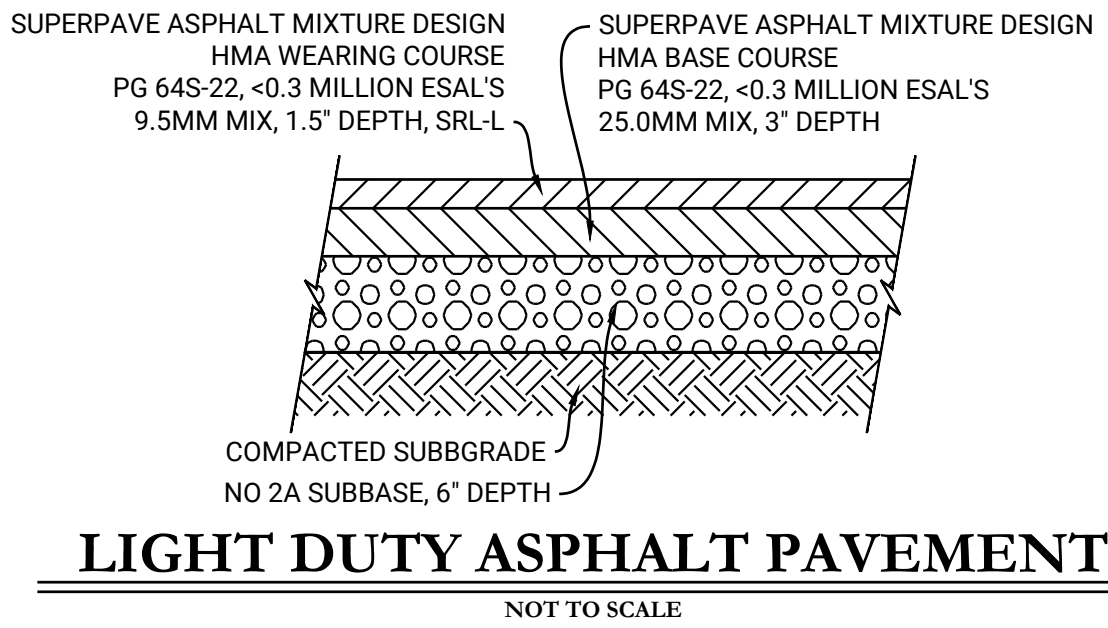
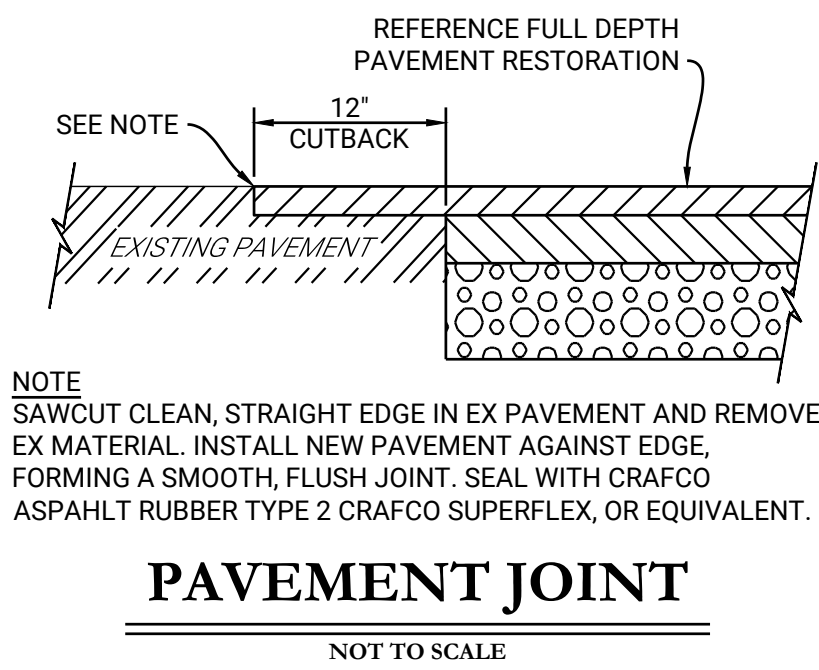
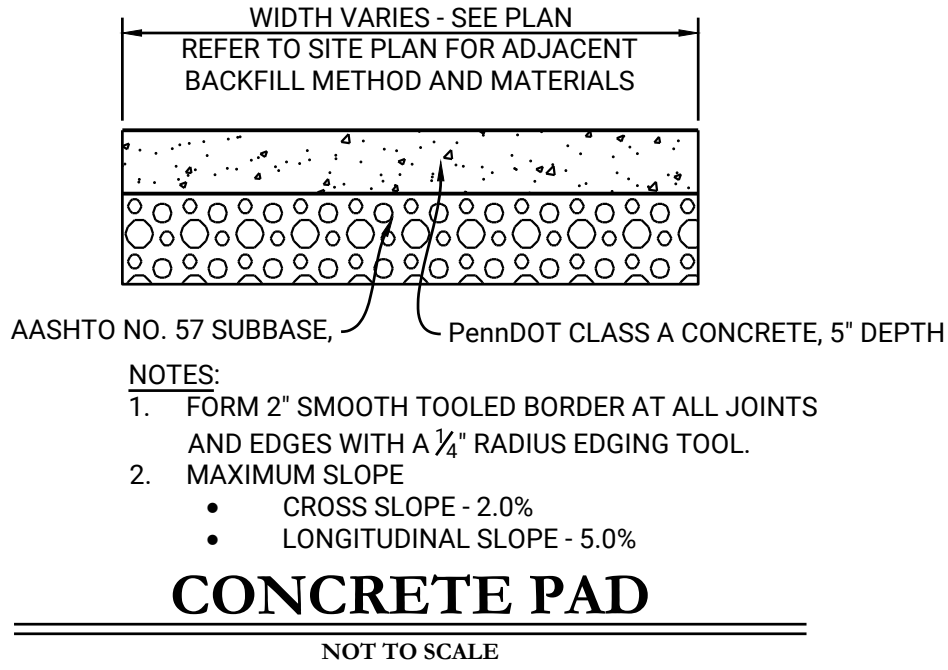
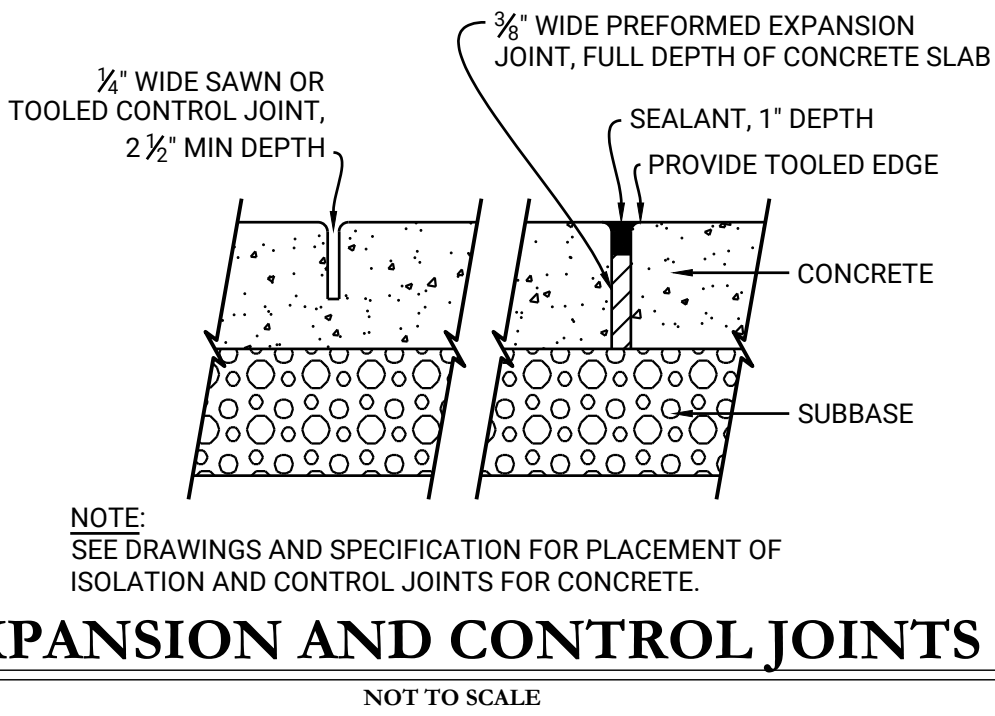
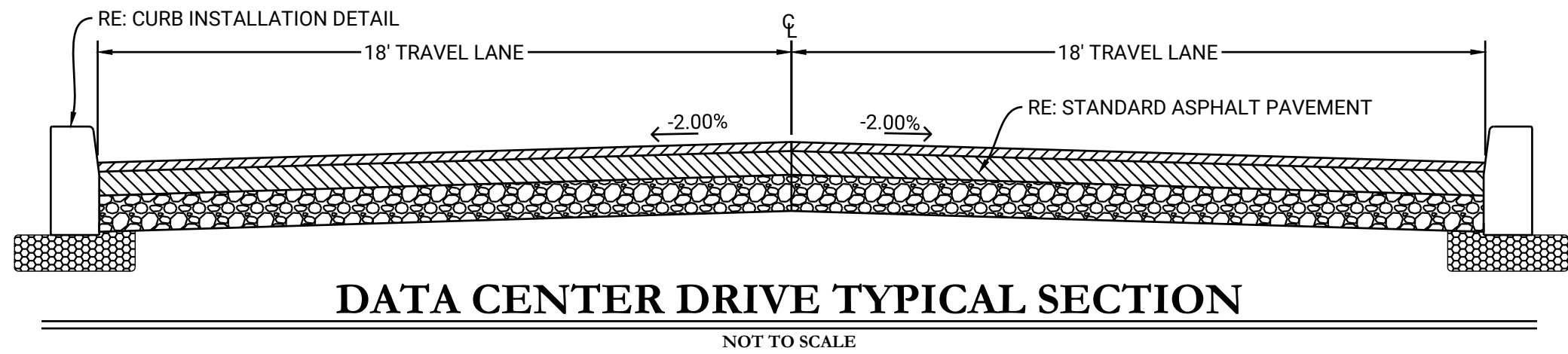
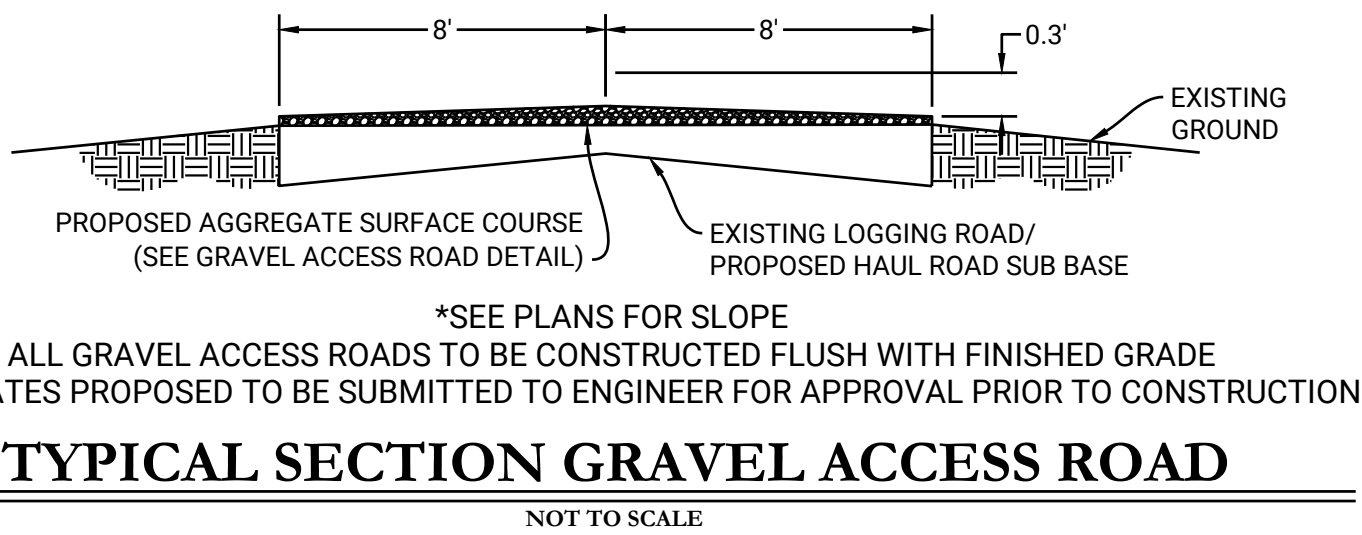
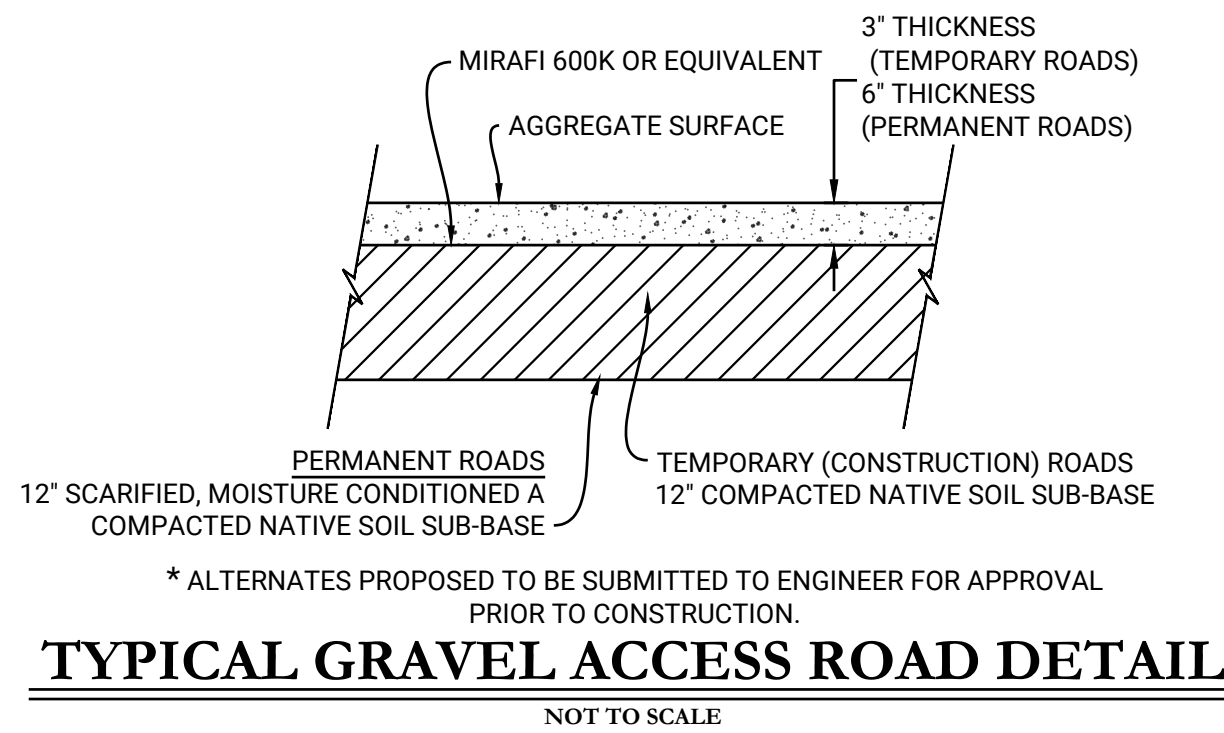
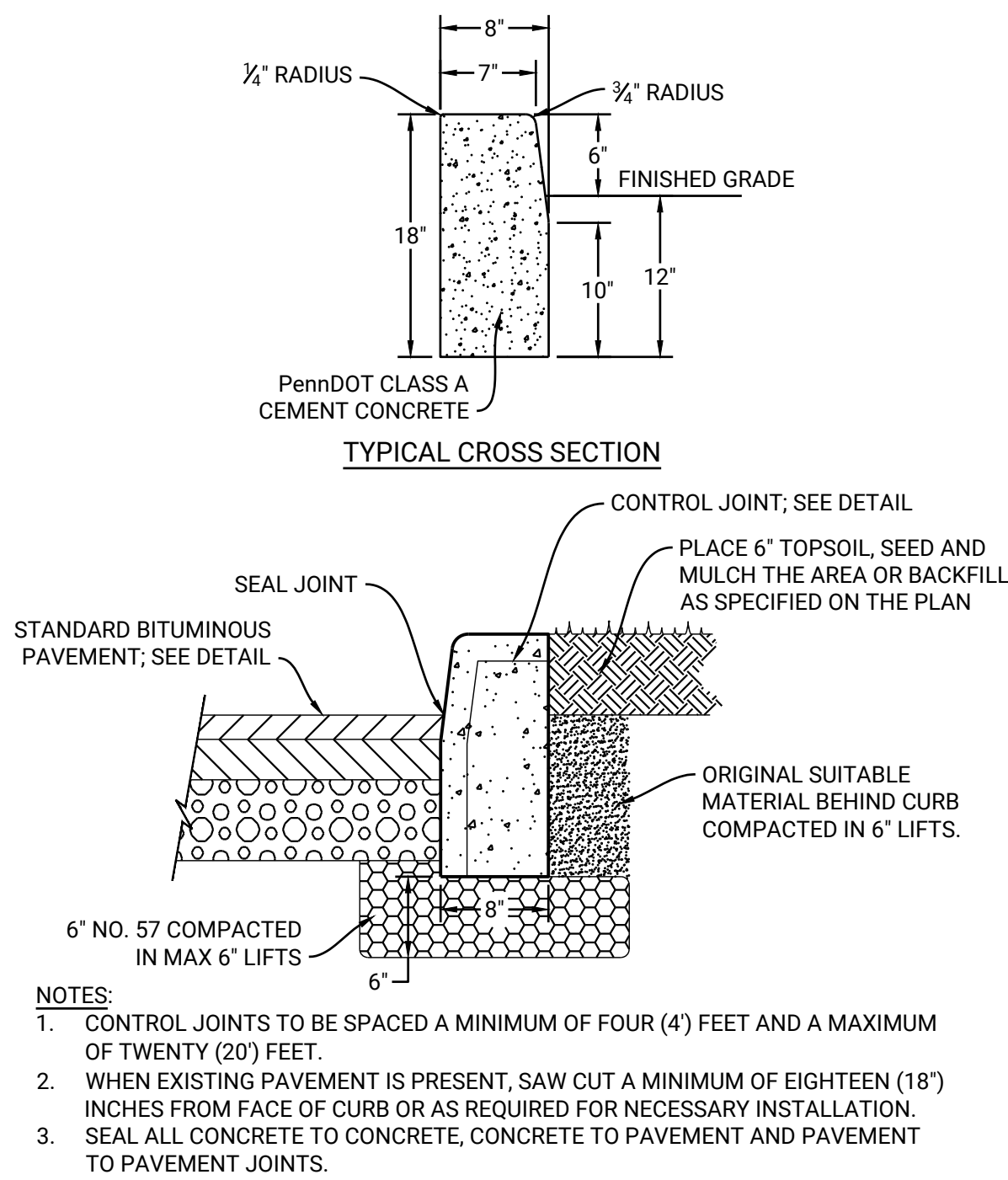
PROJECT
PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

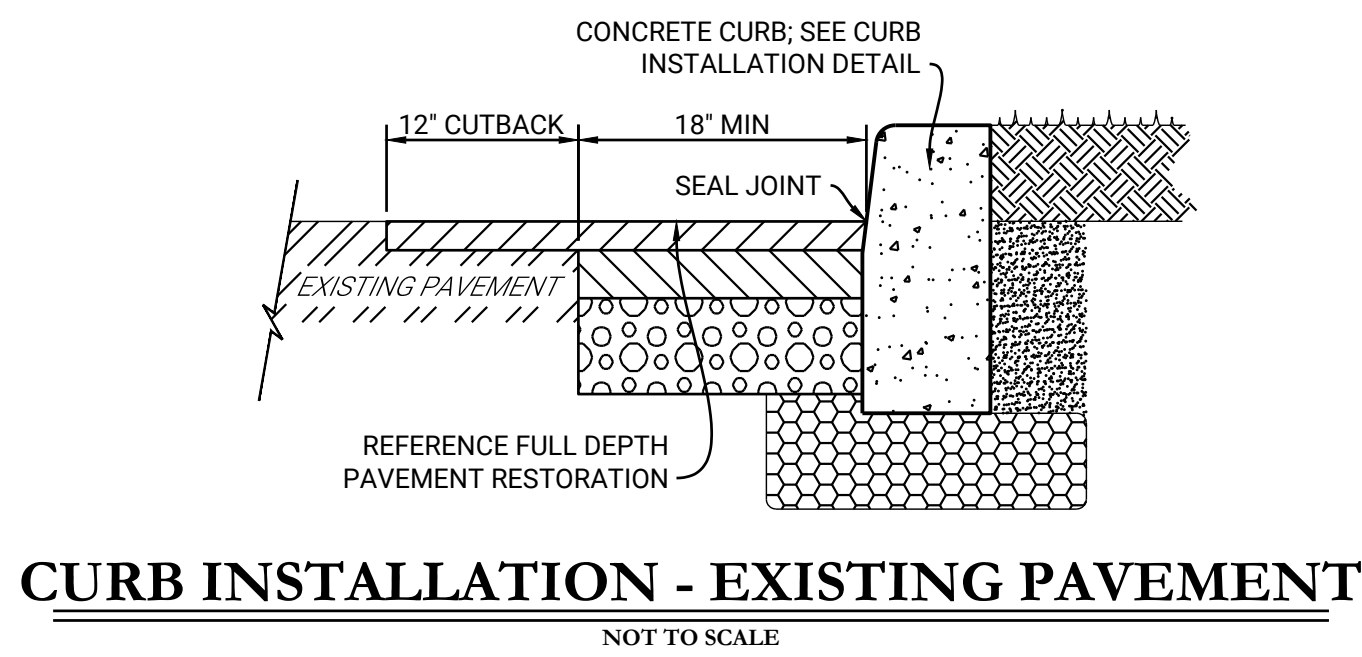
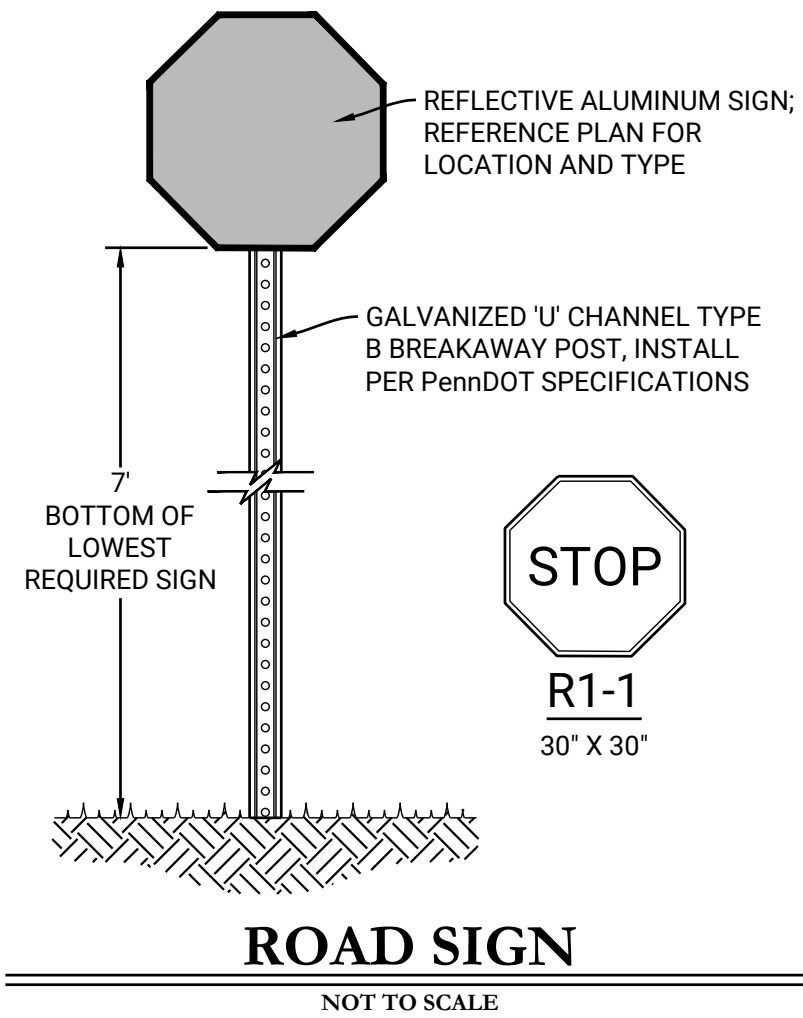
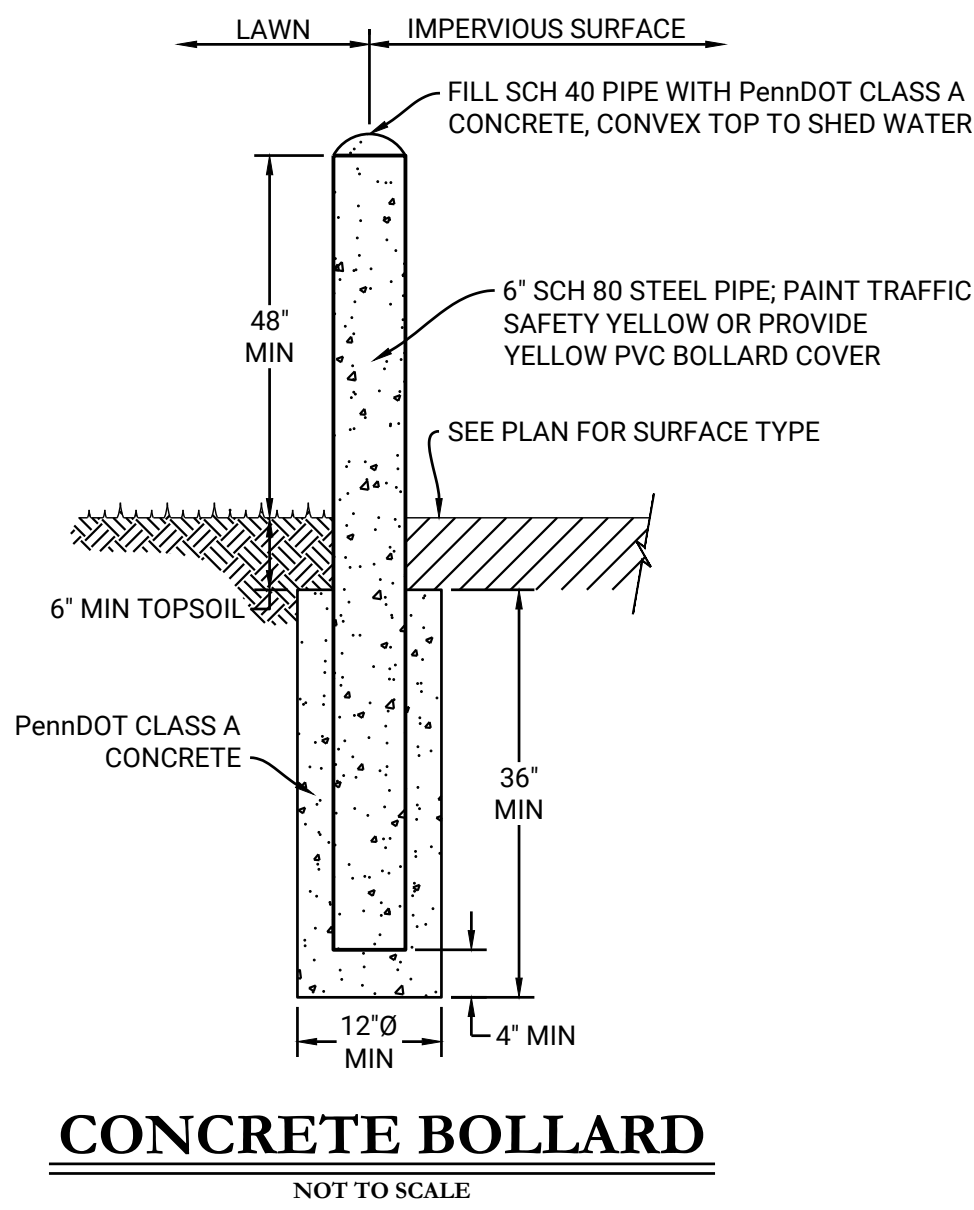
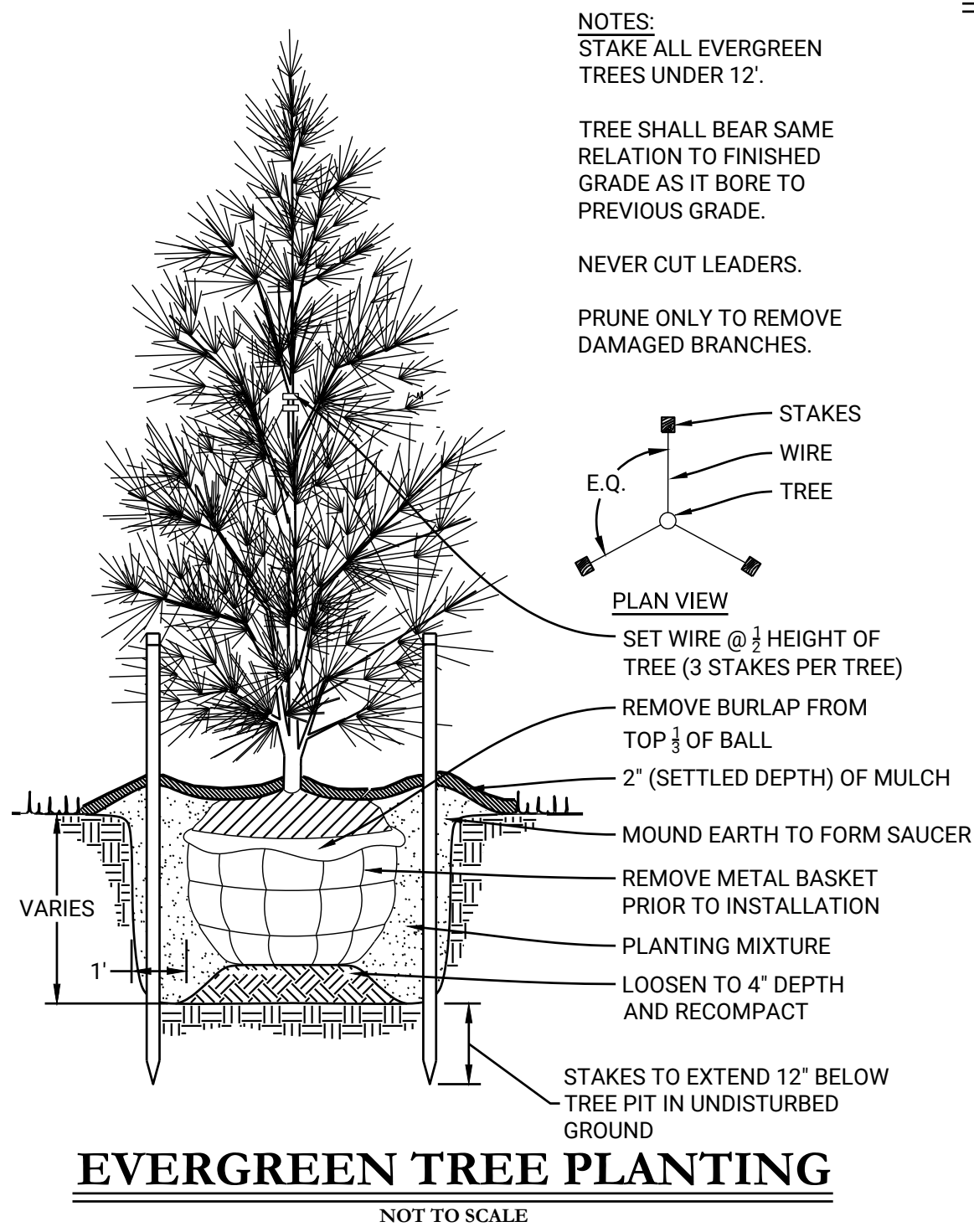
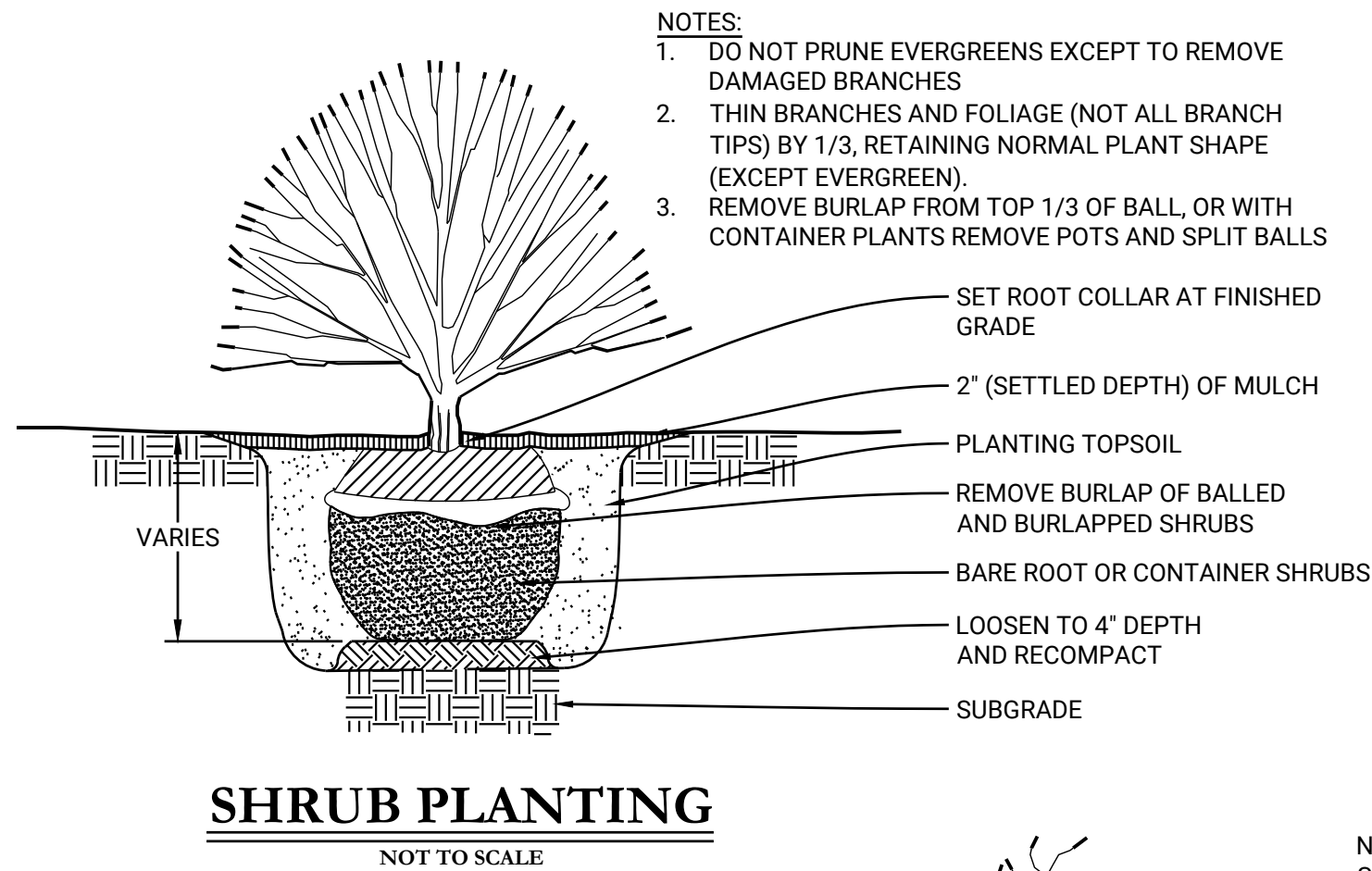
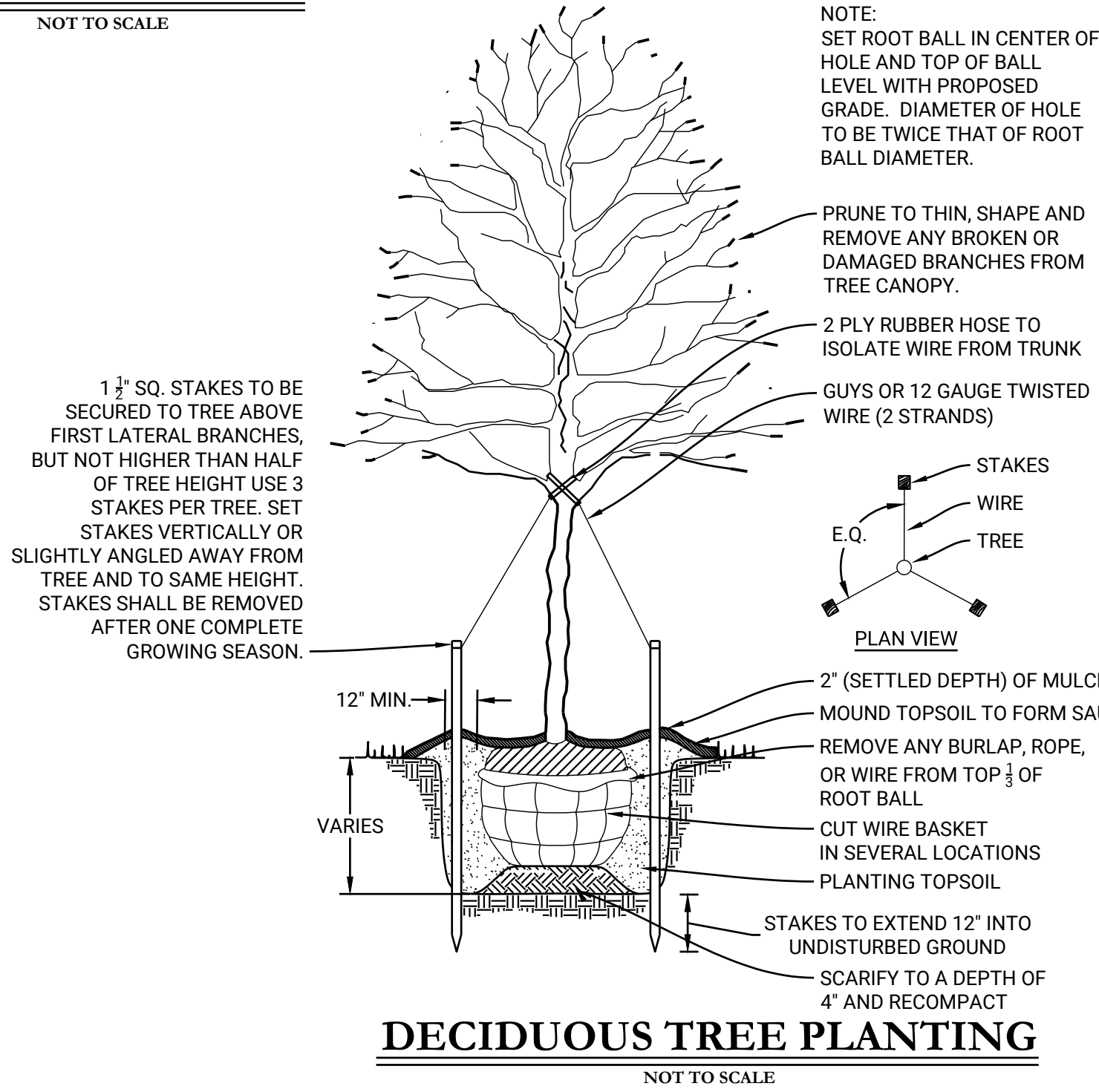
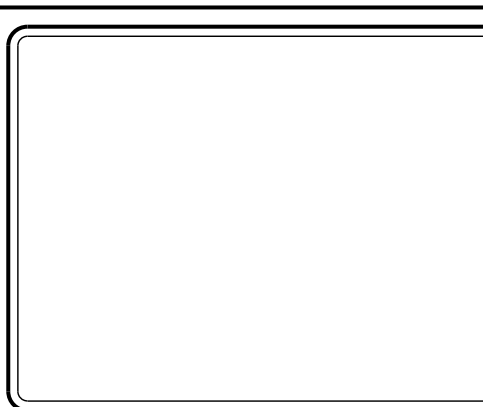
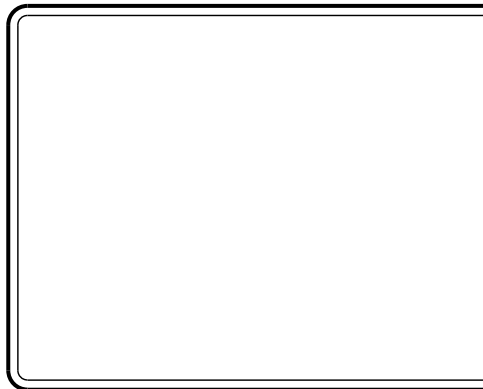
SHEET TITLE
**PHOTOMETRIC
PLAN**

SHEET NO.
C1A 707



CURB INSTALLATION

NOT TO SCALE



REV	DATE	COMMENTS	ISSUE / REVISIONS
1	08/18/25	INITIAL SUBMISSION	JHR CRP BY CHKD

LIVIC
civil

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE REPRODUCED OR UTILIZED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY APPROVED, SEALED PLANS SHALL BE IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVIC CIVIL, LLC

PROJECT No:	1258-01
DATE:	AUGUST 18, 2025
SCALE:	AS SHOWN
DRAWN BY:	RJB / CHECKED BY: JHR

PROJECT

PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

CLIENT

**CARLISLE
DEVELOPMENT
PARTNERS, LLC**

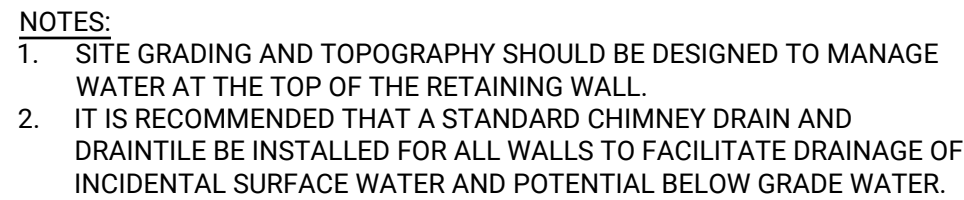
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

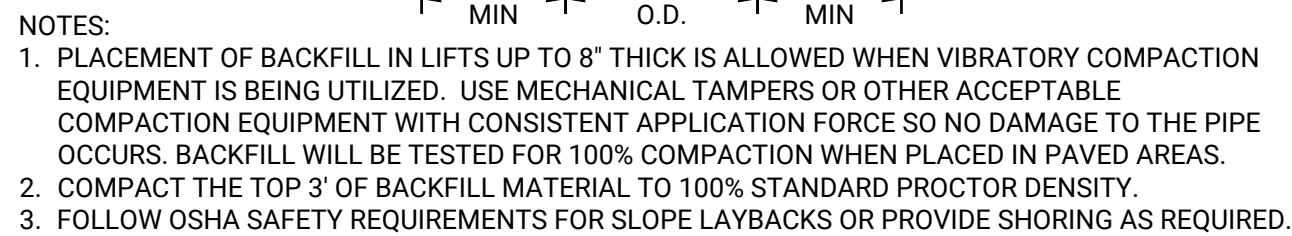
CIVIL DETAILS

SHEET NO.

C1A 801



NOT TO SCALE



NOT TO SCALE



NOT TO SCALE

[illegible]

LIVIC
civil

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

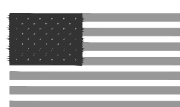
ALL CONTENTS OF THIS PLAN ARE PROPRIETARY
AND SHALL NOT BE REPRODUCED OR UTILIZED FOR
ANY PURPOSE WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY
APPROVED, SEALED PLANS SHALL BE
IMPLEMENTED FOR CONSTRUCTION PURPOSES
© 2025 LIVIC CIVIL, LLC

PROJECT No:		1258-01	
DATE:		AUGUST 18, 2025	
SCALE:		AS SHOWN	
DRAWN BY: RJB		CHECKED BY: JHF	

PROJECT

PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA



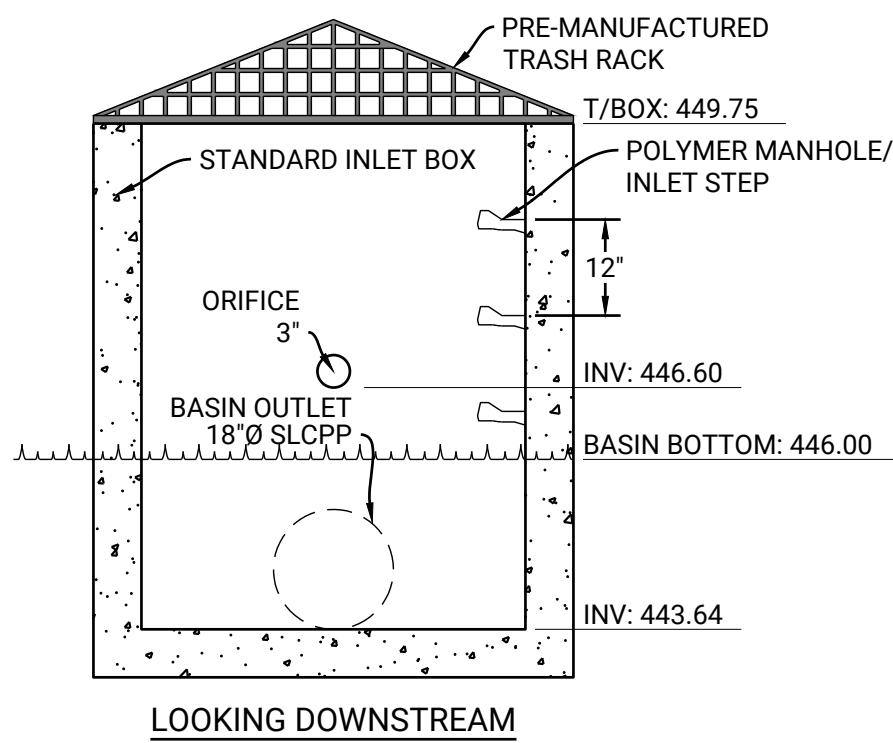
CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

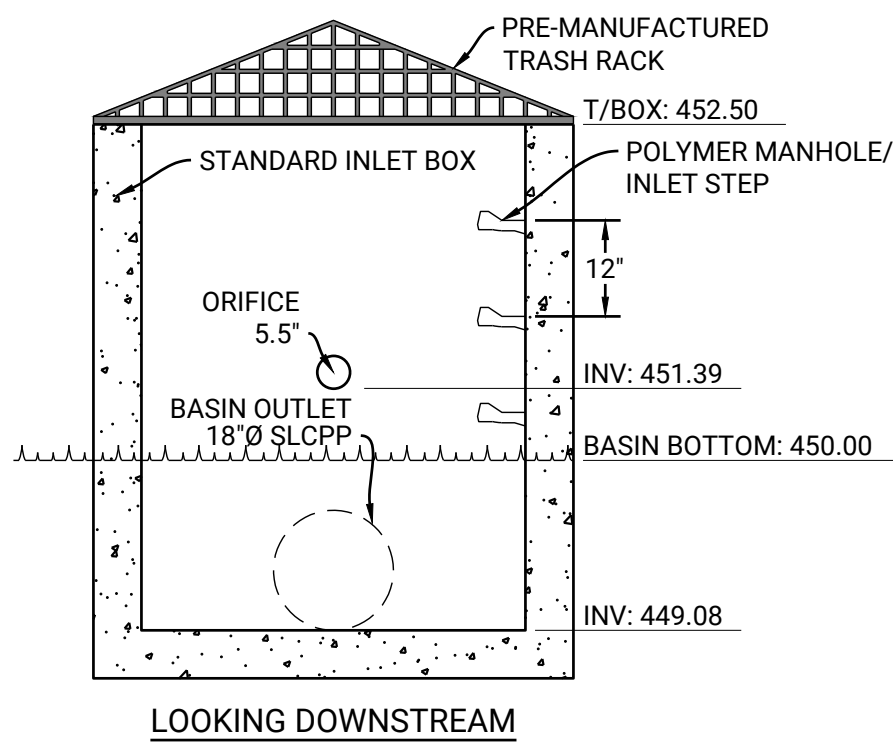
CIVIL DETAILS

SHEET NO.

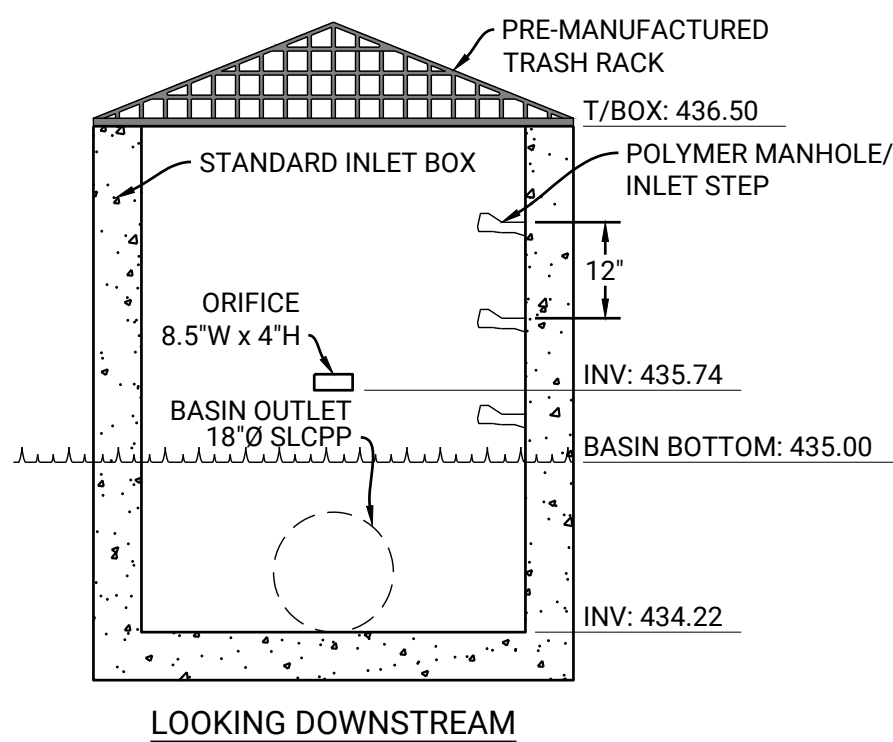
C1A 802



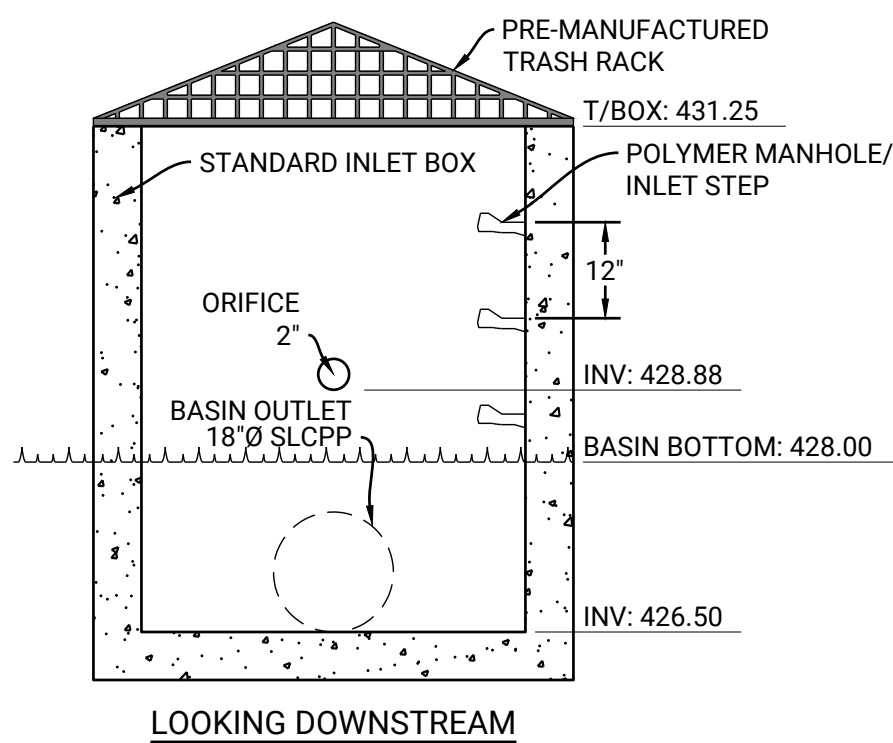
BASIN A1 OUTLET STRUCTURE [OS-35]
NOT TO SCALE



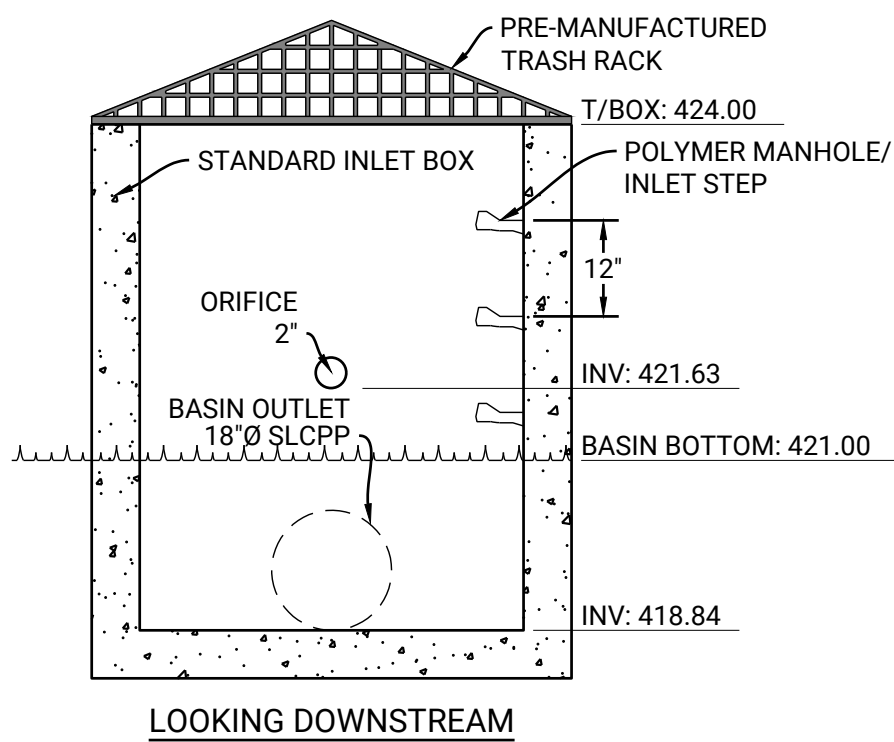
BASIN A2 OUTLET STRUCTURE [OS-36]
NOT TO SCALE



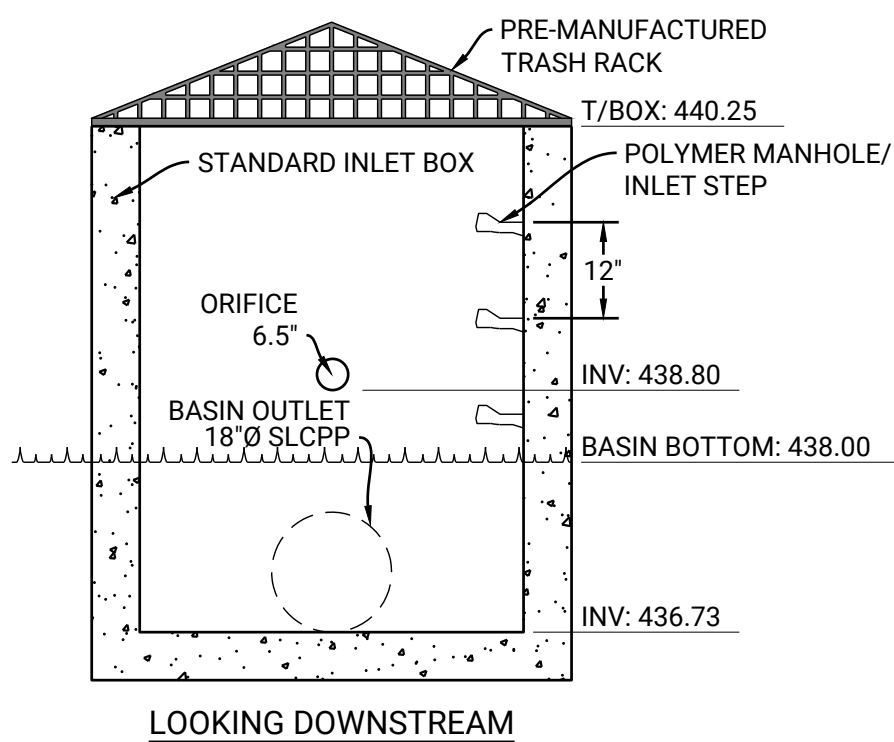
BASIN A3 OUTLET STRUCTURE [OS-40]
NOT TO SCALE



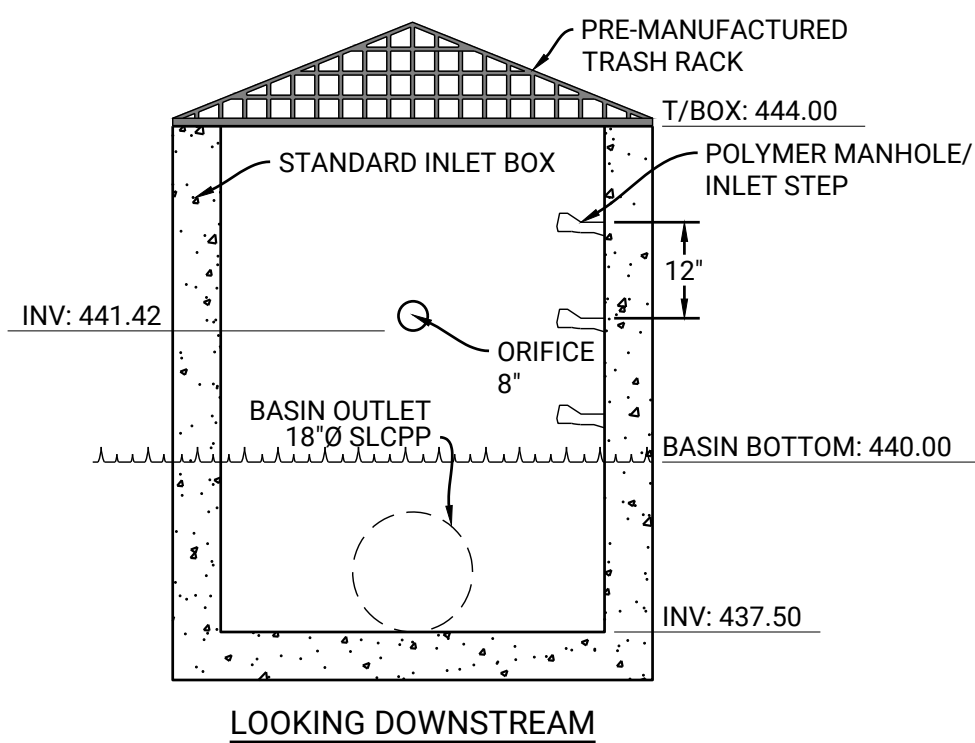
BASIN C1 OUTLET STRUCTURE [OS-30]
NOT TO SCALE



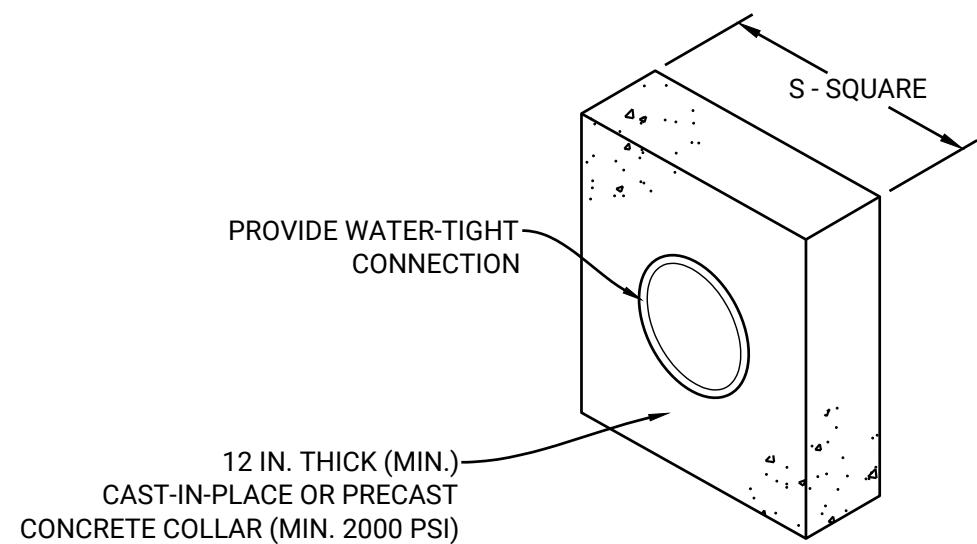
BASIN D1 OUTLET STRUCTURE [OS-29]
NOT TO SCALE



BASIN R2 OUTLET STRUCTURE [OS-28]
NOT TO SCALE



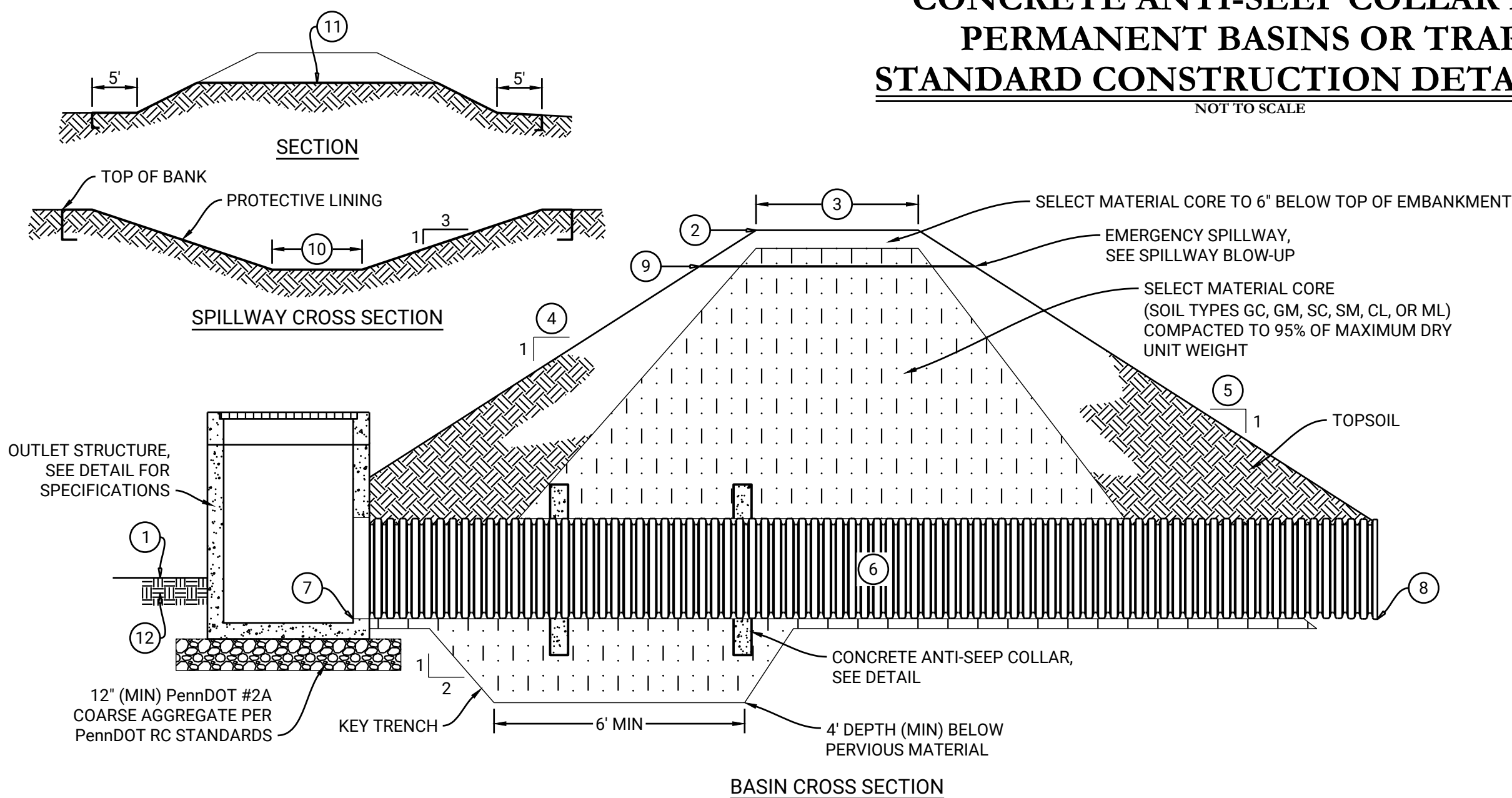
BASIN V5 OUTLET STRUCTURE [OS-18]
NOT TO SCALE



BASIN OR TRAP NO.	PIPE SIZE (IN)	S (IN)	NO. OF COLLARS
A1	18	48	2
A2	18	42	2
A3	18	48	1
C1	18	36	2
D1	18	51	2
R2	18	42	2
V5	18	57	2

- NOTES:
- ALL COLLARS SHALL BE INSTALLED SO AS TO BE WATERTIGHT.
 - COLLAR SIZE SHALL BE AS INDICATED WITHIN TABLE.

CONCRETE ANTI-SEEP COLLAR FOR PERMANENT BASINS OR TRAPS
STANDARD CONSTRUCTION DETAIL 7-16
NOT TO SCALE



BASIN KEY	BASIN FEATURE	BASIN SUMMARY						
		BASIN A1	BASIN A2	BASIN A3	BASIN C1	BASIN D1	BASIN R2	BASIN V5
1	BASIN BOTTOM ELEVATION	446.00	450.00	435.00	428.00	421.00	438.00	440.00
2	BERM ELEVATION	452.00	454.00	438.00	433.50	426.00	442.00	446.00
3	BERM WIDTH	8'	8'	8'	8'	8'	8'	8'
4	BASIN SIDE SLOPE-INSIDE (Z:1)	3	3	3	3	3	3	3
5	BASIN SIDE SLOPE-OUTSIDE (Z:1)	3	3	3	3	3	3	3
6	OUTLET PIPE	18"	18"	18"	18"	18"	18"	18"
7	INFLOW INVERT ELEVATION	443.64	449.08	434.22	426.50	418.84	436.73	437.50
8	OUTFLOW INVERT ELEVATION							
9	SPILLWAY ELEVATION	450	452.75	436.75	431.50	424.25	440.50	444.25
10	SPILLWAY WIDTH	100'	50'	50'	100'	50'	100'	50'
11	SPILLWAY LINING	SHOREMAX W/C350	SHOREMAX W/C350	SC250	SHOREMAX W/C350	SHOREMAX W/C350	SHOREMAX W/C350	SHOREMAX W/C350
12	AMENDED SOIL DEPTH	24"	24"	24"	24"	24"	24"	24"

EVAPOTRANSPIRATION / INFILTRATION BASIN
NOT TO SCALE

LIVIC
civil
1015 MUMMA ROAD
2ND FLOOR
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE REPRODUCED OR UTILIZED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY APPROVED, SEALED PLANS SHALL BE IMPLEMENTED FOR CONSTRUCTION PURPOSES.
© 2025 LIVIC CIVIL, LLC

PROJECT No: 1259-01
DATE: AUGUST 18, 2025
SCALE: AS SHOWN
DRAWN BY: RJBJ CHECKED BY: JHR

PROJECT BOLT

MIDDLESEX
TOWNSHIP
CUMBERLAND
COUNTY
PENNSYLVANIA

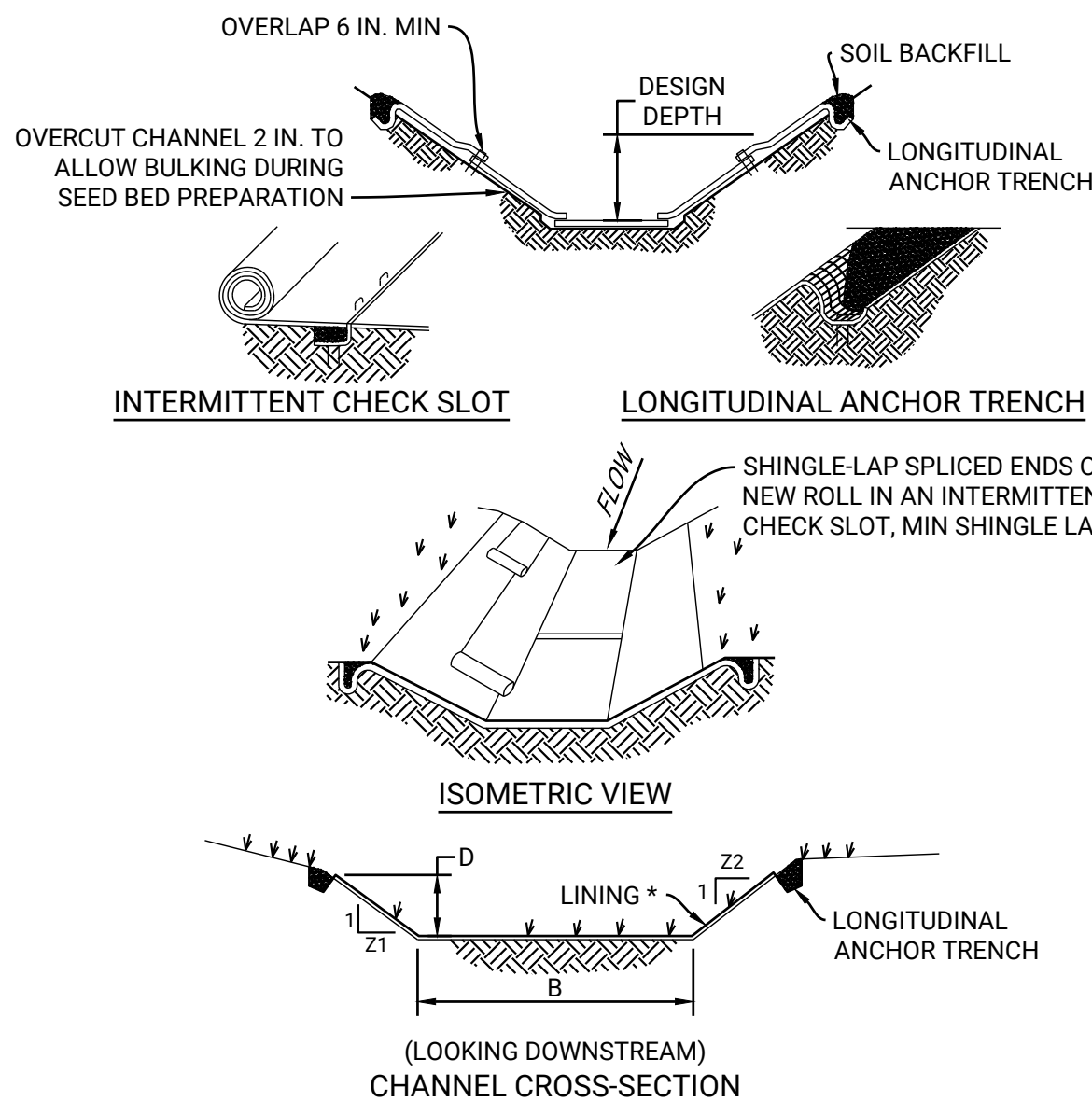
CLIENT
CARLISLE
DEVELOPMENT
PARTNERS, LLC
1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

CIVIL DETAILS

SHEET NO.

C1A 804



* SEE MANUFACTURER'S LINING INSTALLATION DETAIL FOR STAPLE PATTERNS, VEGETATIVE STABILIZATION FOR SOIL AMENDMENTS, SEED MIXTURES AND MULCHING INFORMATION

CHANNEL NO.	BOTTOM WIDTH B (FT)	DEPTH D (FT)	TOP WIDTH W (FT)	Z1 (FT)	Z2 (FT)	LINEING *
1	2	2	16	3	4	SC150
7	0	2	40	10	10	DS75
8	2	2	8	3	3	DS75
9	2	2	8	3	3	DS75
10	2	2	8	3	3	DS75
11	3	2	8	3	3	DS75
13	2	2	8	3	3	SC150

NOTES:

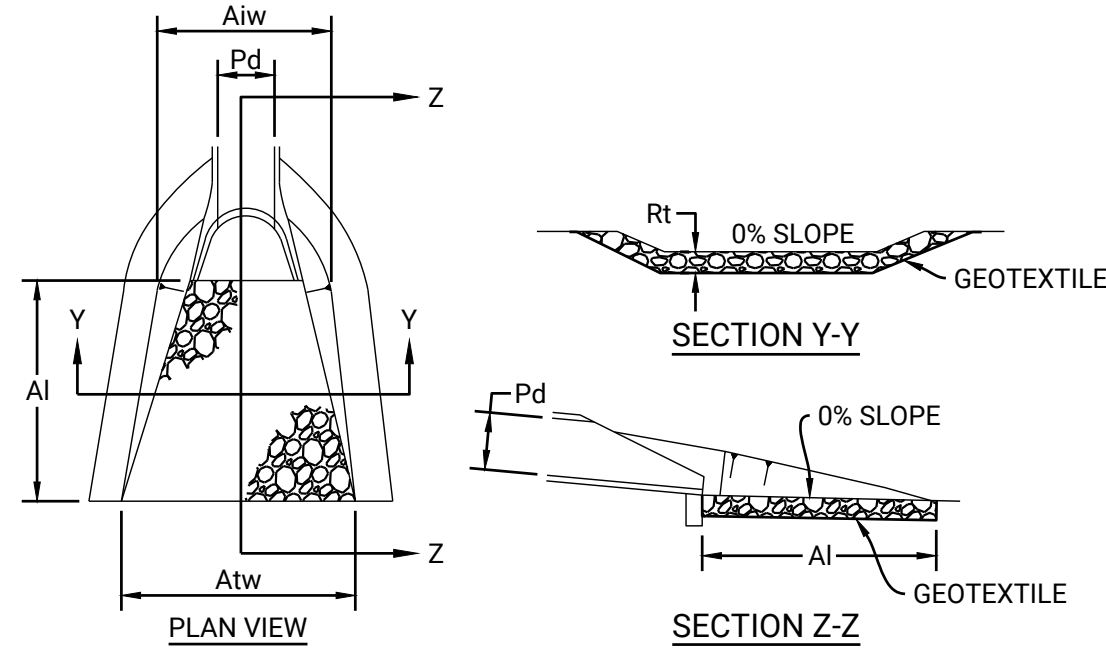
ANCHOR TRENCHES SHALL BE INSTALLED AT BEGINNING AND END OF CHANNEL IN THE SAME MANNER AS LONGITUDINAL ANCHOR TRENCHES.

CHANNEL DIMENSIONS SHALL BE CONSTANTLY MAINTAINED. CHANNEL SHALL BE CLEANED WHENEVER TOTAL CHANNEL DEPTH IS REDUCED BY 25% AT ANY LOCATION. SEDIMENT DEPOSITS SHALL BE REMOVED WITHIN 24 HOURS OF DISCOVERY OR AS SOON AS SOIL CONDITIONS PERMIT ACCESS TO CHANNEL WITHOUT FURTHER DAMAGE. DAMAGED LINING SHALL BE REPAIRED OR REPLACED WITHIN 48 HOURS OF DISCOVERY.

NO MORE THAN ONE THIRD OF THE SHOOT (GRASS LEAF) SHALL BE REMOVED IN ANY MOWING. GRASS HEIGHT SHALL BE MAINTAINED BETWEEN 2 AND 3 INCHES UNLESS OTHERWISE SPECIFIED. EXCESS VEGETATION SHALL BE REMOVED FROM PERMANENT CHANNELS TO ENSURE SUFFICIENT CHANNEL CAPACITY.

**VEGETATED CHANNEL
STANDARD CONSTRUCTION DETAIL 6-1**

NOT TO SCALE



OUTLET No.	PIPE Ø Pd (IN)	RIPRAP			APRON	
		SIZE R-2	THICK Rt (IN)	LENGTH Ai (FT)	INITIAL WIDTH Aiw (FT)	TERMINAL WIDTH Atw (FT)
FES BARRI A2	18	R-3	9	8	4.5	12.5
FES 28	18	R-3	9	8	4.5	12.5
FES 29	18	R-3	9	8	4.5	12.5
FES 30	18	R-3	9	8	4.5	12.5
FES 35	18	R-3	9	8	4.5	12.5
FES 36	18	R-3	9	8	4.5	12.5
G3	36	R-5	24	19.5	9	28.5
FES 1	15	R-4	18	14	3.75	17.75
FES 2	15	R-3	9	8	3.75	11.75
FES 3	15	R-3	9	8	3.75	11.75
FES 4	15	R-3	9	8	3.75	11.75
FES 7	24	R-4	18	12	6	18
FES 13	30	R-4	18	16	7.5	23.5
FES 17	24	R-4	18	12	6	18
FES 21	15	R-3	9	8	3.75	11.75
EW-22.1	15	R-3	9	8	3.75	11.75
EW-20.1	18	R-3	9	8	4.5	12.5
EW-19.1	24	R-4	18	12	6	18
FES-38	15	R-3	9	8	3.75	11.75
FES-32	24	R-5	24	22	6	28
FES-31	30	R-5	24	23	7.5	30.5
FES-33	24	R-4	18	14	6	20
FES-34	24	R-5	24	20	6	26
FES-10	24	R-4	18	16	6	22

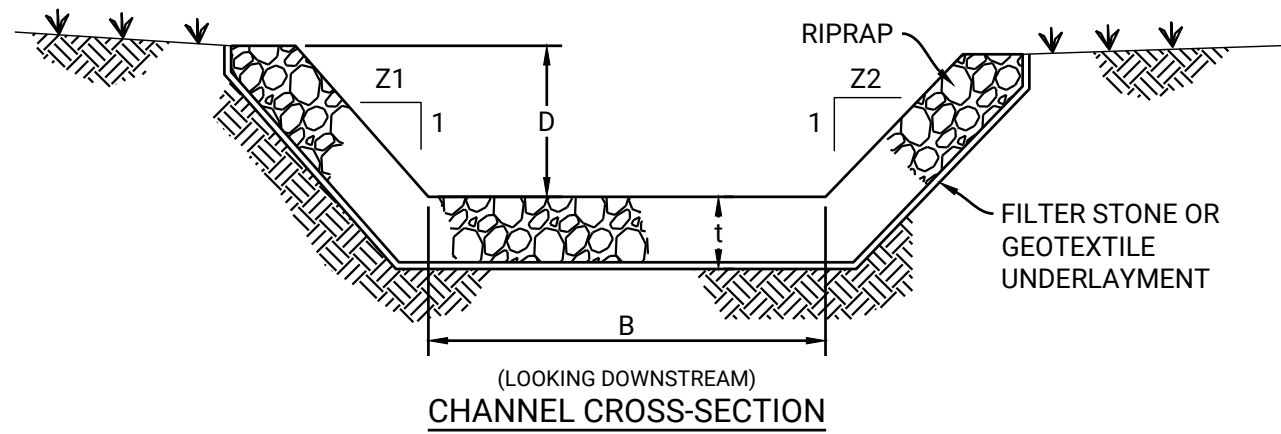
NOTES:

ALL APRONS SHALL BE CONSTRUCTED TO THE DIMENSIONS SHOWN. TERMINAL WIDTHS SHALL BE ADJUSTED AS NECESSARY TO MATCH RECEIVING CHANNELS.

ALL APRONS SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EACH RUNOFF EVENT. DISPLACED RIPRAP WITHIN THE APRON SHALL BE REPLACED IMMEDIATELY.

**RIPRAP APRON AT PIPE OUTLET
W/ FLARED END SECTION
STANDARD CONSTRUCTION DETAIL 9-1**

NOT TO SCALE



CHANNEL No.	BOTTOM WIDTH B (FT)	DEPTH D (FT)	Z1 (FT)	Z2 (FT)	RIPRAP GRADATION (R-2)	RIPRAP DEPTH t (IN)	UNDERLAYMENT	UNDERLAYMENT THICKNESS
2	2	5	1	3	3	9	GEO	N/A
3	2	2	1	3	3	9	GEO	N/A
4	2	2.25	3	3	3	9	GEO	N/A
5	2	2	3	3	3	9	GEO	N/A
6	2	2	3	3	3	9	GEO	N/A
12	2	2.5	3	3	3	9	GEO	N/A

NOTES:

FILTER STONE UNDERLAYMENT FOR BED SLOPES > 0.10 FT/FT (10 %) SHALL BE USED.

CHANNEL DIMENSIONS ARE FOR THE COMPLETED CHANNEL AFTER ROCK PLACEMENT. CHANNEL MUST BE OVER-EXCAVATED A SUFFICIENT AMOUNT TO ALLOW FOR THE VOLUME OF ROCK PLACED WITHIN THE CHANNEL WHILE PROVIDING THE SPECIFIED FINISHED DIMENSIONS.

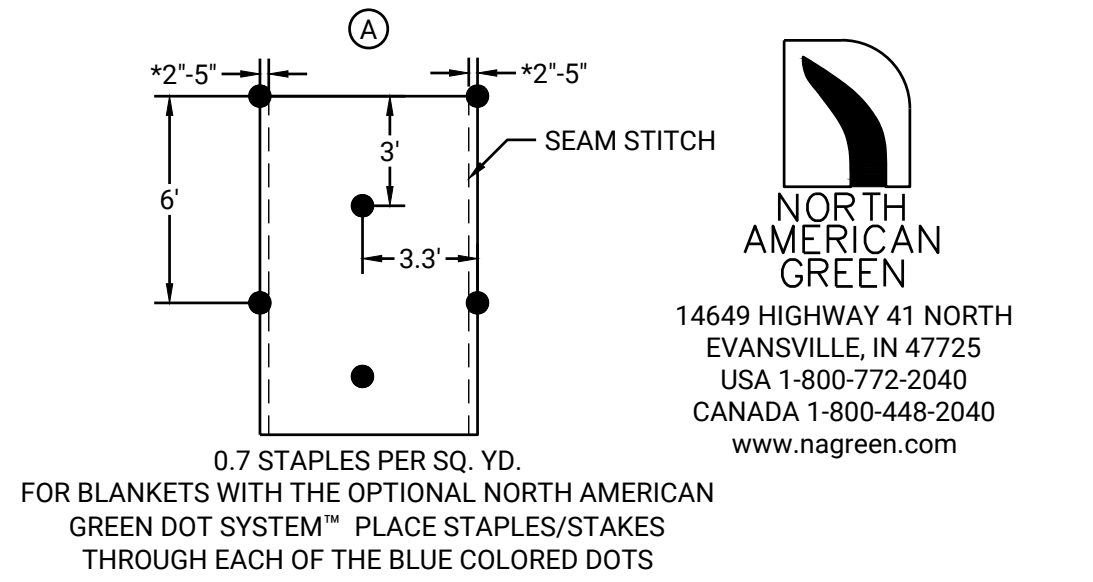
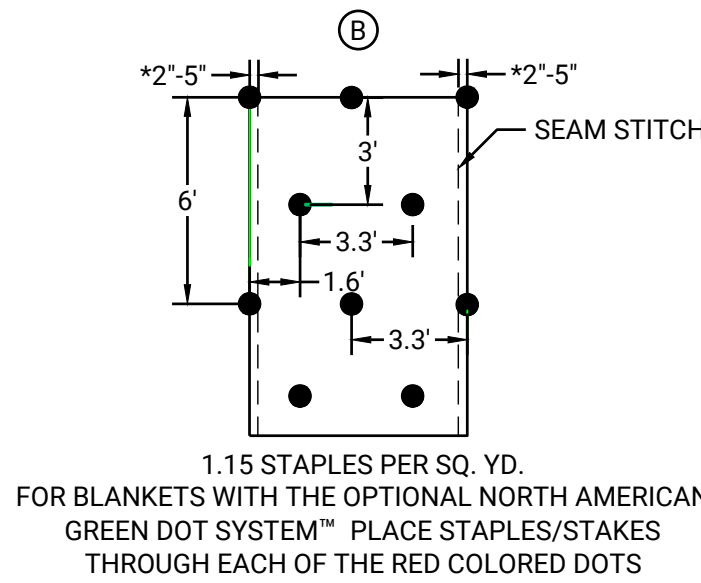
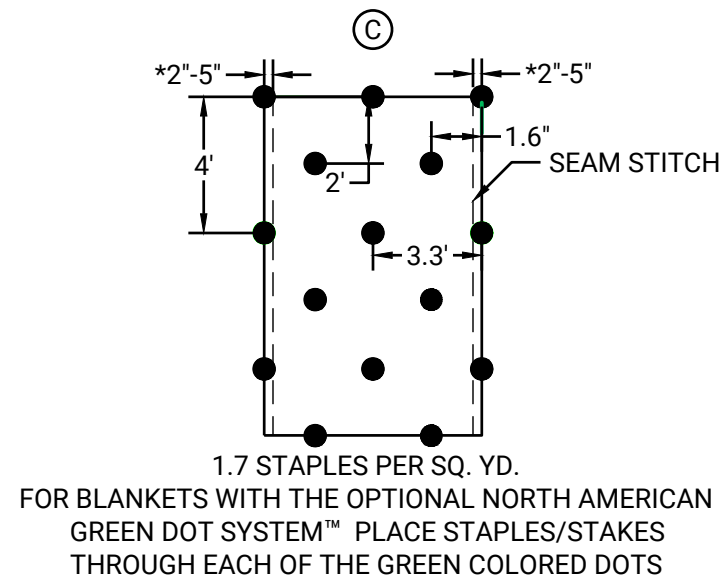
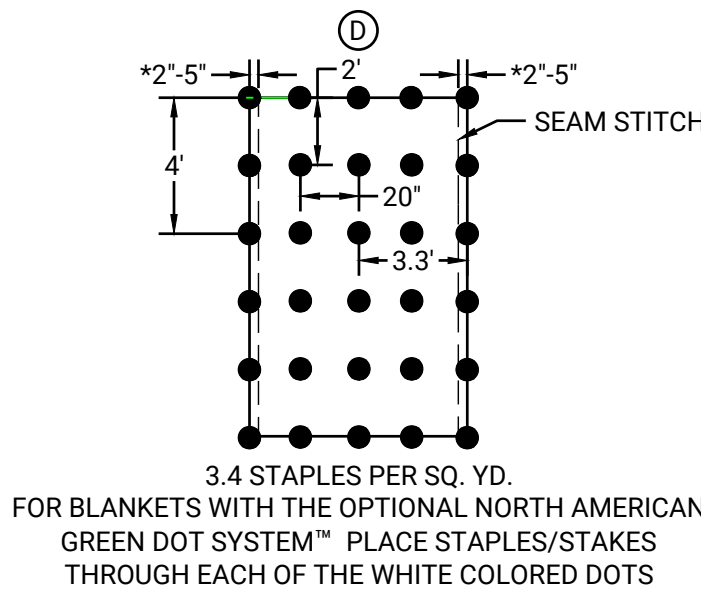
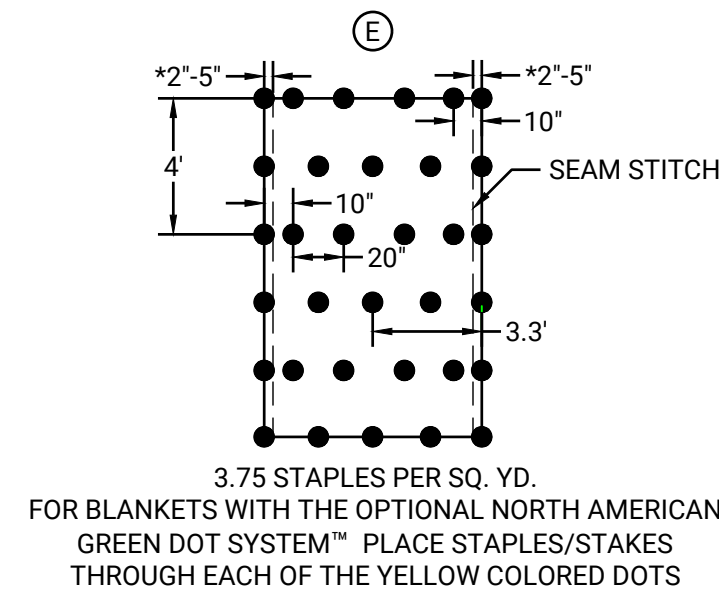
CHANNEL DIMENSIONS SHALL BE CONSTANTLY MAINTAINED. CHANNEL SHALL BE CLEANED WHENEVER TOTAL CHANNEL DEPTH IS REDUCED BY 25% AT ANY LOCATION. SEDIMENT DEPOSITS SHALL BE REMOVED WITHIN 24 HOURS OF DISCOVERY OR AS SOON AS SOIL CONDITIONS PERMIT ACCESS TO CHANNEL WITHOUT FURTHER DAMAGE.

DAMAGED LINING SHALL BE REPAIRED OR REPLACED WITHIN 48 HOURS OF DISCOVERY.

THE MINIMUM ROCK THICKNESS (t) SHALL BE 1.5 TIMES THE MAX ROCK SIZE.

**RIPRAP CHANNEL
STANDARD CONSTRUCTION DETAIL 6-3**

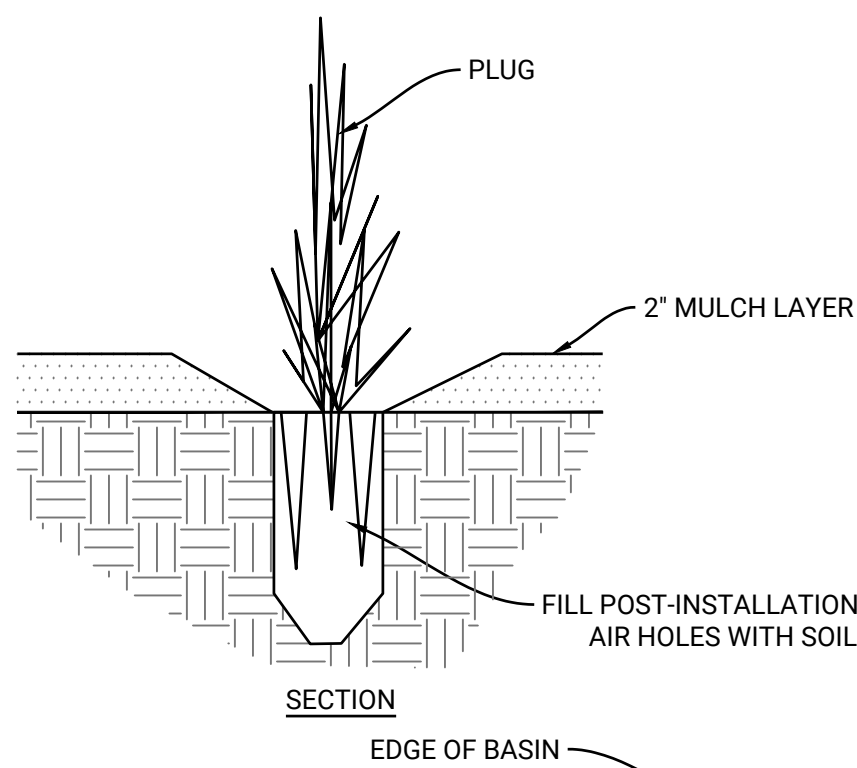
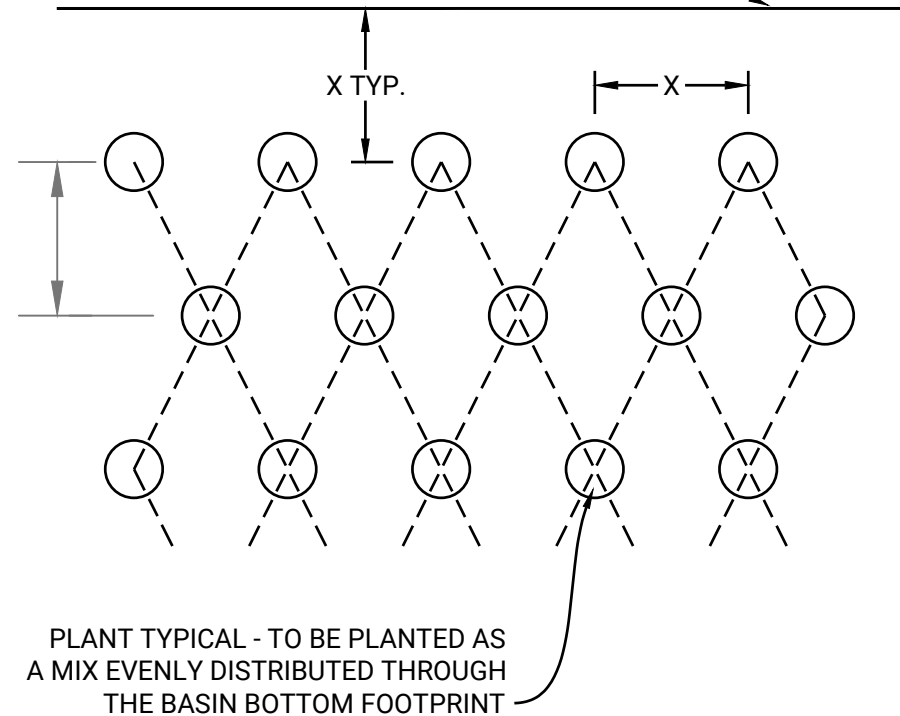
NOT TO SCALE



*LOCATION OF SEAM STITCH WILL VARY DEPENDING ON NORTH AMERICAN GREEN PRODUCT TYPE.

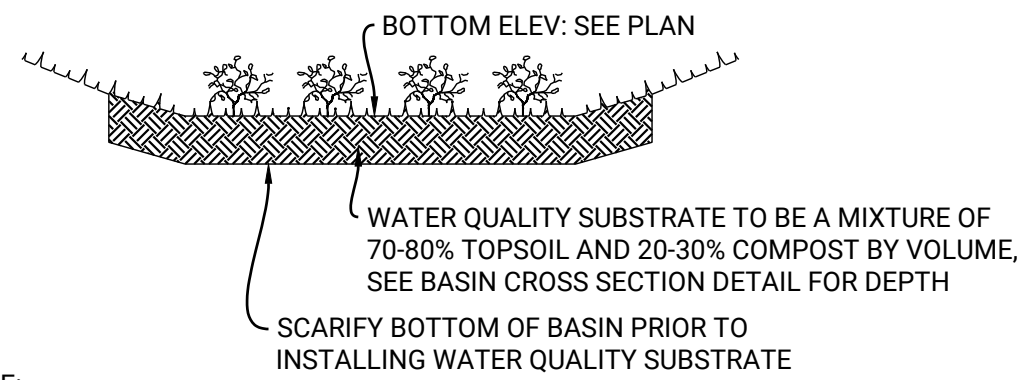
STAPLE PATTERN GUIDE

NOT TO SCALE



PLUG PLANTING

NOT TO SCALE



NOTE:

THE WATER QUALITY SUBSTRATE IS TO BE INSTALLED WITH LIGHT MACHINERY TO AVOID COMPACTION. IT IS RECOMMENDED THAT A SOIL SAMPLE ANALYSIS BE PERFORMED PRIOR TO INSTALLATION TO ENSURE THE PROPER MIX IS BEING USED. THE SEEDING SHALL BE INSTALLED DURING A TIME IN WHICH NO RAIN IS PREDICTED TO AIDE IN GERMINATION.

ORGANIC MATTER CONTENT	25% - 100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
pH	5.5 - 8.5
MOISTURE CONTENT	30% - 60%
PARTICLE SIZE	30% - 50% PASS THROUGH 3/16" SIEVE
SOLUBLE SALT CONCENTRATE	5.0 dS/m (mmhos/cm) MAXIMUM

BASIN FLOOR SEEDING: OBL WETLAND MIX - ERNMX-131 OR APPROVED EQUAL

27.4%	Carex lurida, PA Ecotype	LURID SEDGE, PA ECOTYPE
22.5%	Carex scoparia, PA Ecotype	BLUNT BROOM SEDGE, PA ECOTYPE
21.7%	Carex vulpinoidea, PA Ecotype	FOX SEDGE, PA ECOTYPE
6.9%	Sparganium americanum	EASTERN BUR REED
5.0%	Elymus virginicus, Madison-NY Ecotype	VIRGINIA WILDRIE, MADISON-NY ECOTYPE
4.0%	Verbena hastata, PA Ecotype	BLUE VERVAIN, PA ECOTYPE
3.0%	Juncus effusus	SOFT RUSH
2.0%	Asclepias incarnata, PA Ecotype	SWAMP MILKWEED, PA ECOTYPE
1.2%	Glyceria striata, PA Ecotype	FOWL MANNAGRASS, PA ECOTYPE
1.1%	Onoclea sensibilis	SENSITIVE FERN
1.0%	Aster puniceus, PA Ecotype	PURPLESTEM ASTER, PA ECOTYPE
1.0%	Eupatorium perfoliatum, PA Ecotype	BONESET, PA ECOTYPE
1.0%	Scirpus validus, PA Ecotype	SOFTSTEM BULRUSH, PA ECOTYPE
0.5%	Carex crinita, PA Ecotype	FRINGED SEDGE, PA ECOTYPE
0.5%	Scirpus cyperinus, PA Ecotype	WOOLGRASS, PA ECOTYPE
0.5%	Solidago rugosa, PA Ecotype	WRINKLELEAF GOLDENROD, PA ECOTYPE
0.3%	Mimulus ringens, PA Ecotype	SQUARE STEMMED MONKEYFLOWER, PA ECOTYPE
0.20%	Carex stricta, PA Ecotype	TUSsock SEDGE, PA ECOTYPE
0.20%	Lycopus americanus, PA Ecotype	AMERICAN WATER HOREHOUND, PA ECOTYPE

SEEDING RATE: 20 LB PER ACRE OR 1/2 lb PER 1,000 SQ FT WITH A COVER CROP

NOTES:

- SOIL AMENDMENT MEDIA SHALL CONSIST OF COMPOST/SOIL MIX. COMPOST CAN INCLUDE LEAF OR BARK MULCH, MANURES, SAND AND MANUFACTURED MICROBIAL SOLUTIONS.
- SOIL AMENDMENT MEDIA SHOULD BE COMBINED AT A RATE OF 2:1 (SOIL:COMPOST). IF A PROPRIETARY PRODUCT IS USED, THE MANUFACTURER'S INSTRUCTIONS SHOULD BE FOLLOWED IN TERMS OF MIXING AND APPLICATION RATE.
- ON-SITE SOILS WITH AN ORGANIC CONTENT OF AT LEAST 5% CAN BE PROPERLY STOCKPILED (TO MAINTAIN ORGANIC CONTENT) AND REUSED.
- COMPOST SHALL COMPLY WITH COMPOST STANDARDS TABLE.
- ONLY COMPOST PRODUCTS THAT MEET ALL APPLICABLE STATE AND FEDERAL REGULATIONS PERTAINING TO ITS PRODUCTION AND DISTRIBUTION MAY BE USED IN THIS APPLICATION. APPROVED COMPOST PRODUCTS MUST MEET RELATED STATE AND FEDERAL CHEMICAL CONTAMINANT (E.G. HEAVY METALS, PESTICIDES, ETC.) AND PATHOGEN LIMIT STANDARDS PERTAINING TO THE FEEDSTOCKS (SOURCE OF MATERIALS) IN WHICH IT IS DERIVED.
- INFILTRATION TESTING SHALL BE PERFORMED WITHIN THE BASIN BOTTOM AFTER THE INSTALLATION OF THE AMENDED SOILS TO VERIFY THE INFILTRATION CAPACITY OF THE BASIN. THE RESULTS OF THE TESTING SHALL BE BETWEEN 0.1 AND 10 INCHES PER HOUR.

WATER QUALITY BMP-AMENDED SOIL

NOT TO SCALE

--	--

--	--

REV	DATE	COMMENTS	ISSUE / REVISIONS
1	08/18/25	INITIAL SUBMISSION	JHR
			CRP
			BY
			CHKD

LIVIC civil

1015 MUMMA ROAD
— 2ND FLOOR —
WORMLEYSBURG, PA 17043
PHONE: 888.987.1993
www.liviccivil.com

ALL CONTENTS OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE REPRODUCED OR UTILIZED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM LIVIC CIVIL, LLC. ONLY APPROVED, SEALED PLANS SHALL BE IMPLEMENTED FOR CONSTRUCTION PURPOSES. © 2025 LIVIC CIVIL, LLC

PROJECT No:	1259-01
DATE:	AUGUST 18, 2025
SCALE:	AS SHOWN
DRAWN BY:	RJB
CHECKED BY:	JHR

PROJECT BOLT

**MIDDLESEX TOWNSHIP
CUMBERLAND COUNTY
PENNSYLVANIA**

CLIENT

CARLISLE DEVELOPMENT PARTNERS, LLC

1660 INTERNATIONAL DRIVE
MCLEAN, VA 22102
PHONE: (703) 234-3056

SHEET TITLE

CIVIL DETAILS

SHEET NO.	C1A 805
-----------	---------