

LEGEND

- EXISTING ADJOINER LINE AND CORNERS
- EXISTING EDGE OF PAVEMENT AND CURB LINE
- EXISTING RIGHT-OF-WAY
- EXISTING SEWER
- EXISTING FENCE
- EXISTING CONTOURS
- EXISTING TREELINE
- EXISTING SOILS
- EXISTING UTILITY POLE
- EXISTING WATER WELL
- SEPTIC INFILTRATION TESTING
- SURFACE DEPRESSION
- STEEP SLOPES (>15%)

SOILS LEGEND

- CL - CLARKSBURG SILT LOAM, 0-3% SLOPES
- cmB - COMLY SILT LOAM, 3-8% SLOPES
- DB - DUFFIELD SILT LOAM, 3-8% SLOPES
- HoA - HAGERSTOWN SILT LOAM, 3-8% SLOPES
- HoB - HAGERSTOWN SILT LOAM, 3-8% SLOPES
- HcB - HAGERSTOWN SILTY CLAY LOAM, 8-15% SLOPES
- HeB - HAGERSTOWN-ROCK OUTCROP COMPLEX, 3-8% SLOPES
- No - NOLIN VARIANT SILT LOAM
- US - URBAN LAND-HAGERSTOWN COMPLEX



SERIAL NUMBER: 2022081239 (NORTH LEBANON TWP)
DATE: 09/16/23

STECKBECK ENGINEERING & SURVEYING, INC. HEREBY STATES THAT, PURSUANT TO THE PROVISIONS OF ACT NO. 287 OF 1974 AS AMENDED BY ACT 121 OF 2008 OF THE PENNSYLVANIA GENERAL ASSEMBLY, IT HAS PERFORMED THE FOLLOWING IN PREPARING THESE DRAWINGS: EXCAVATION OR DEMOLITION WORK AT SITES WITHIN THE POLITICAL SUBDIVISION(S) SHOWN ON THE DRAWINGS:

- PURSUANT TO SECTION 4, CLAUSE (2) OF SAID ACT, STECKBECK ENGINEERING & SURVEYING, INC. REQUESTED THE LINE AND FACILITY INFORMATION PRESCRIBED BY SECTION 2, CLAUSE (4) FROM A ONE CALL SYSTEM NOT LESS THAN TEN NOR MORE THAN NINETY WORKING DAYS BEFORE FINAL DESIGN IS TO BE COMPLETED.
- PURSUANT TO SECTION 4, CLAUSE (3) OF SAID ACT, STECKBECK ENGINEERING & SURVEYING, INC. SHOWN UPON THE DRAWING(S) THE POSITION AND TYPE OF EACH FACILITY OWNERS LINE, DERIVED PURSUANT TO THE REQUEST MADE AS REQUIRED BY SECTION 4, CLAUSE (2), AND THE NAME OF THE FACILITY OWNER, AND THE FACILITY OWNERS DESIGNATED OFFICE ADDRESS AND THE TELEPHONE NUMBER AS SHOWN ON THE LIST REFERRED TO IN SECTION 3.
- PURSUANT TO SECTION 4, CLAUSE (4) OF SAID ACT, STECKBECK ENGINEERING & SURVEYING, INC. MADE A REASONABLE EFFORT TO PREPARE THE CONSTRUCTION DRAWING(S) TO AVOID DAMAGE TO AND MINIMIZE INTERFERENCE WITH A FACILITY OWNERS FACILITIES IN THE CONSTRUCTION AREA BY MAINTAINING AN EIGHTEEN-INCH CLEARANCE OF THE FACILITY OWNERS FACILITIES WHERE POSSIBLE.
- PURSUANT TO SECTION 4, CLAUSE (5) OF SAID ACT, STECKBECK ENGINEERING & SURVEYING, INC. SHALL BE DEEMED TO HAVE MET THE OBLIGATIONS OF CLAUSE (2) BY CALLING A ONE CALL SYSTEM AND SHOWING AS PROOF THE SERIAL NUMBER OF THE ONE CALL NOTICE ON THE DRAWING(S). NORTH LEBANON TWP, LEBANON COUNTY ID NO. 2022020295.

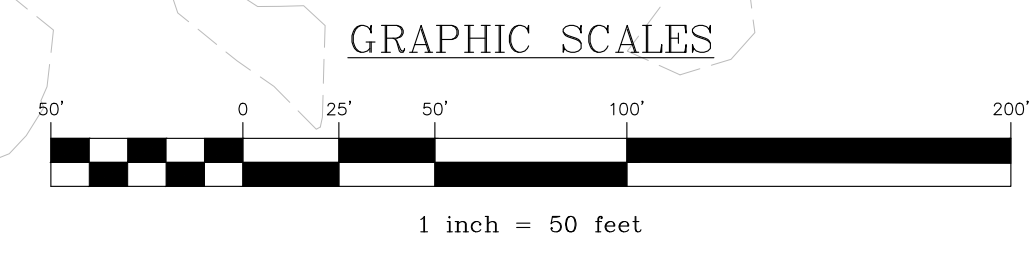
STEVEN M. & STACEY L. DRESCH
DEED: 2279-6748
UPI: 27-2326801-370645-0000

VERIZON FIBER OPTIC SERVICE
1026 HAY STREET
PITTSBURGH, PA 15201
CONTACT: DEBORAH BARUM
EMAIL: DEBORAH.D.BARUM@VERIZON.COM
PHONE: 412-344-3900

CITY OF LEBANON AUTHORITY
2311 RIDGEVIEW ROAD
LEBANON, PA 17042
CONTACT: BOB SNIETZ
EMAIL: BSNIETZ@LEBANONAUTHORITY.ORG
PHONE: 717-272-2841

LUMEN FORMERLY LEVEL 3
1025 ELDORADO BLVD
BROOMFIELD, CO 80001
CONTACT: LUMEN OPERATOR PERSONNEL
EMAIL: RELOCATION@LUMEN.COM
PHONE: 877-366-8344 EXT. 3

UG UTILITIES INC.
1301 MP DRIVE
MIDDLETOWN, PA 17057
CONTACT: STEPHEN BATEMAN
EMAIL: SBATEMAN@UG.COM
PHONE: 610-607-3174



REVISION	DATE	BY
LCPD COMMENTS - 1/30/24	2/8/24	JMK
ARRO COMMENTS - 1/18/24	3/11/24	AMK/EJG
NL/MA COMMENTS - 1/16/24	3/11/24	JMK

EXISTING CONDITIONS & DEMOLITION PLAN

PRELIMINARY/FINAL SUBDIVISION & LAND DEVELOPMENT PLAN

FOR

FLEXO-PACK USA, INC.

located in
North Lebanon Township
Lebanon County, Pennsylvania

Steckbeck Engineering & Surveying Inc.
279 Lebanon, Pennsylvania 17042
Phone: (717) 272-7110
Fax: (717) 272-2548

FIELD CREW: SS/TB
BASE MAP: DY
DRAWN: ABK/JMK
DESIGN: ABK/EJG
CHECKED: ABK
DATE: 3/12/24

SCHEDULE B - SECTION 2 - EXCEPTIONS

- EXCEPTION No. 8 - INTENTIONALLY OMITTED.
- EXCEPTION No. 9 - RIGHTS GRANTED TO METROPOLITAN EDISON COMPANY AS SET FORTH IN:
- a) RECORD BOOK Q-2, PAGE 352. LOCATION CANNOT BE DETERMINED FROM RECORD DOCUMENT.
 - b) RECORD BOOK Q-2, PAGE 354. LOCATION CANNOT BE DETERMINED FROM RECORD DOCUMENT.
 - c) RECORD BOOK S-2, PAGE 351. LOCATION CANNOT BE DETERMINED FROM RECORD DOCUMENT.
 - d) RECORD BOOK S-2, PAGE 352. LOCATION CANNOT BE DETERMINED FROM RECORD DOCUMENT.
 - e) INTENTIONALLY OMITTED.
 - f) INTENTIONALLY OMITTED.
 - g) INTENTIONALLY OMITTED.
 - h) INTENTIONALLY OMITTED.
 - i) INTENTIONALLY OMITTED.
 - j) INTENTIONALLY OMITTED.
 - k) RECORD BOOK 2062, PAGE 6482. LOCATION CANNOT BE DETERMINED FROM RECORD DOCUMENT.

EXCEPTION No. 10 - TERMS AND CONDITIONS, INCLUDING ONGOING COSTS AND MAINTENANCE, OF LAND DEVELOPMENT AGREEMENT BY AND BETWEEN NORTH LEBANON TOWNSHIP AND LEBANON VALLEY ECONOMIC DEVELOPMENT CORPORATION AS SET FORTH IN RECORD BOOK 2051, PAGE 4265. AFFECTS SUBJECT PREMISES AS SHOWN HEREON.

EXCEPTION No. 11 - TERMS OF DECLARATION OF PROTECTIVE COVENANTS, EASEMENTS AND RESTRICTIONS, NORTH LEBANON BUSINESS PARK RECORDED IN:

- a) RECORD BOOK 2051, PAGE 4281. AFFECTS SUBJECT PREMISES AS SHOWN HEREON.
- b) FIRST AMENDMENT TO DECLARATION OF PROTECTIVE COVENANTS NORTH LEBANON BUSINESS PARK RECORDED IN RECORD BOOK 2268, PAGE 933. AFFECTS SUBJECT PREMISES AS SHOWN HEREON.

EXCEPTION No. 12 - DEED OF DEDICATION AND EASEMENT BY AND BETWEEN LEBANON VALLEY ECONOMIC DEVELOPMENT CORPORATION AND NORTH LEBANON TOWNSHIP MUNICIPAL AUTHORITY AS SET FORTH IN RECORD BOOK 2125, PAGE 1697. AFFECTS SUBJECT PREMISES AS SHOWN HEREON.

EXCEPTION No. 13 - EASEMENT DEED BY COURT ORDER IN SETTLEMENT OF LANDOWNER ACTION AS SET FORTH IN RECORD BOOK 2196, PAGE 1362. LOCATION CANNOT BE DETERMINED FROM RECORD DOCUMENT.

EXCEPTION No. 14 - CONTRACT AND COVENANT (UNDER ACT 319, CLEAN AND GREEN) AS SET FORTH IN RECORD BOOK 2177, PAGE 3240 (PROPERTY A), POSSIBLE LIABILITY FOR ADDITIONAL TAXES RESULTING FROM PREFERENTIAL ASSESSMENT UNDER ACT 319 OF 1974 AS AMENDED. AFFECTS SUBJECT PREMISES, NOTHING TO PLOT.

EXCEPTION No. 15 - CONTRACT AND COVENANT (UNDER ACT 319, CLEAN AND GREEN) AS SET FORTH IN:

- a) RECORD BOOK 2177, PAGE 3243. AFFECTS SUBJECT PREMISES, NOTHING TO PLOT.
- b) AND ROLL BACK FOR CLEAN AND GREEN AS SET FORTH IN INTENTIONALLY OMITTED.
- c) (PROPERTY B), POSSIBLE LIABILITY FOR ADDITIONAL TAXES RESULTING FROM PREFERENTIAL ASSESSMENT UNDER ACT 319 OF 1974 AS AMENDED.

EXCEPTION No. 16 - CONTRACT AND COVENANT (UNDER ACT 319, CLEAN AND GREEN) AS SET FORTH IN RECORD BOOK 2177 PAGE 3237, (PROPERTY C) POSSIBLE LIABILITY FOR ADDITIONAL TAXES RESULTING FROM PREFERENTIAL ASSESSMENT UNDER ACT 319 OF 1974 AS AMENDED. AFFECTS SUBJECT PREMISES, NOTHING TO PLOT.

EXCEPTION No. 17 - NOTES, CONDITIONS, SETBACK LINES, EASEMENTS, RESERVATIONS, COVENANTS AND RESTRICTIONS AS SHOWN AND SET FORTH IN PLAN, RECORDED IN:

- a) INTENTIONALLY OMITTED.
- b) PLAN BOOK 81, PAGE 77. AFFECTS SUBJECT PREMISES AS SHOWN HEREON.
- c) PLAN BOOK 90, PAGE 24. AFFECTS SUBJECT PREMISES AS SHOWN HEREON.
- d) INTENTIONALLY OMITTED.

EXCEPTION No. 18 - INTENTIONALLY OMITTED.

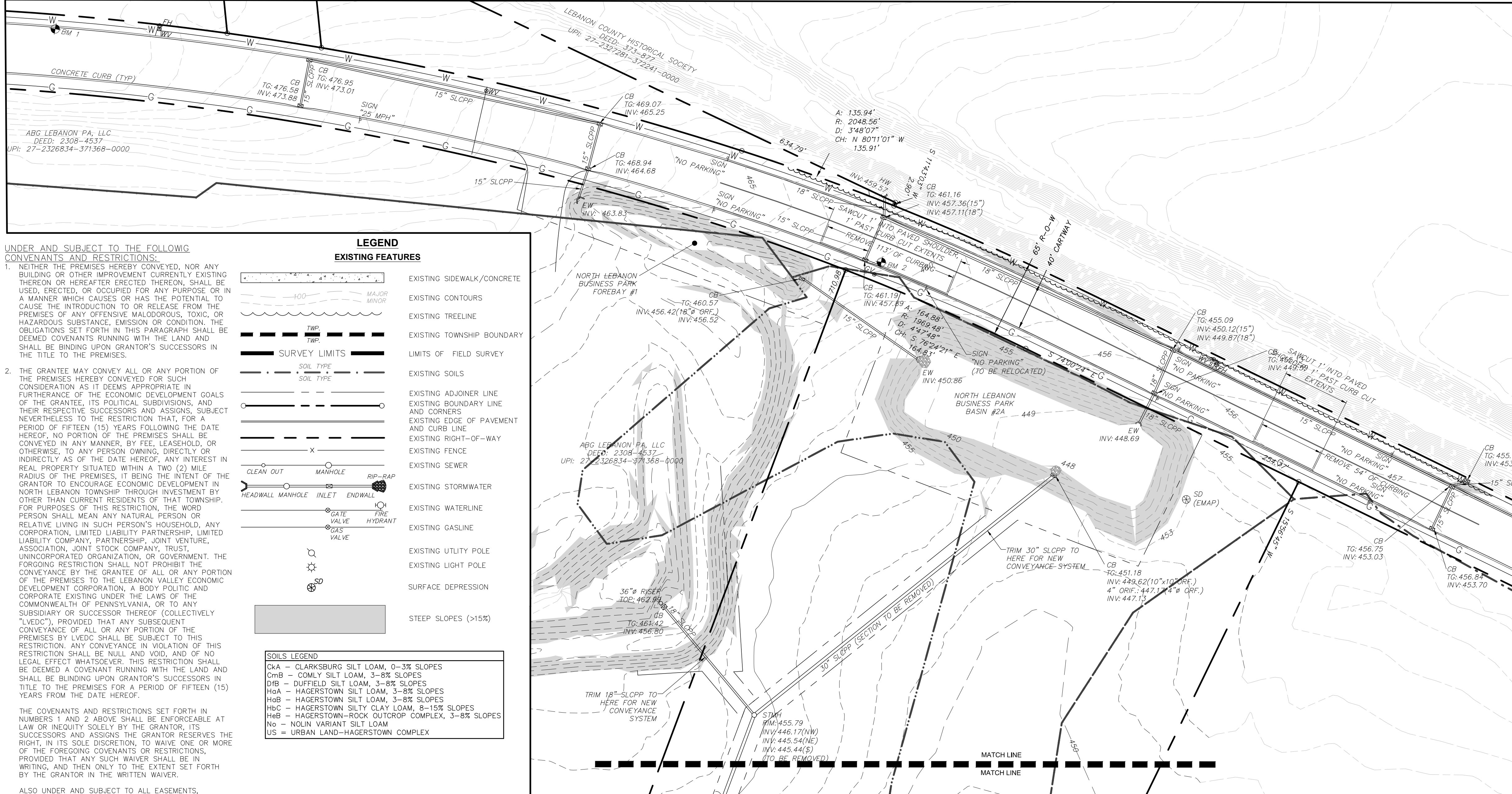
EXCEPTION No. 19 - INTENTIONALLY OMITTED.

EXCEPTION No. 20 - INTENTIONALLY OMITTED.

EXCEPTION No. 21 - TERMS OF COVENANTS AND RESTRICTIONS AS SET FORTH IN RECORD BOOK 2041, PAGE 1061. AFFECTS SUBJECT PREMISES, NOTHING TO PLOT.

EXCEPTION No. 22 - AGREEMENT AND GRANT OF SEWER EASEMENT BY AND BETWEEN LEBANON VALLEY ECONOMIC DEVELOPMENT CORPORATION AND JOSEPH JOHN PENNSYLVANIA REALTY LLC AS SET FORTH IN RECORD BOOK 2123, PAGE 9246. AFFECTS SUBJECT PREMISES AS SHOWN HEREON.

TITLE COMMITMENT #: PH1232653 - REVISION C (JBA) 2/16/2024
EFFECTIVE DATE: DECEMBER 1, 2023
INSURER: COMMONWEALTH LAND TITLE INSURANCE COMPANY



LEGEND

EXISTING FEATURES

- EXISTING SIDEWALK/CONCRETE
- EXISTING CONTOURS
- EXISTING TREELINE
- EXISTING TOWNSHIP BOUNDARY
- LIMITS OF FIELD SURVEY
- EXISTING SOILS
- EXISTING ADJOINER LINE
- EXISTING BOUNDARY LINE AND CORNERS
- EXISTING EDGE OF PAVEMENT AND CURB LINE
- EXISTING RIGHT-OF-WAY
- EXISTING FENCE
- EXISTING SEWER
- EXISTING STORMWATER
- EXISTING WATERLINE
- EXISTING GASLINE
- EXISTING UTILITY POLE
- EXISTING LIGHT POLE
- SURFACE DEPRESSION
- STEEP SLOPES (>15%)

SOILS LEGEND

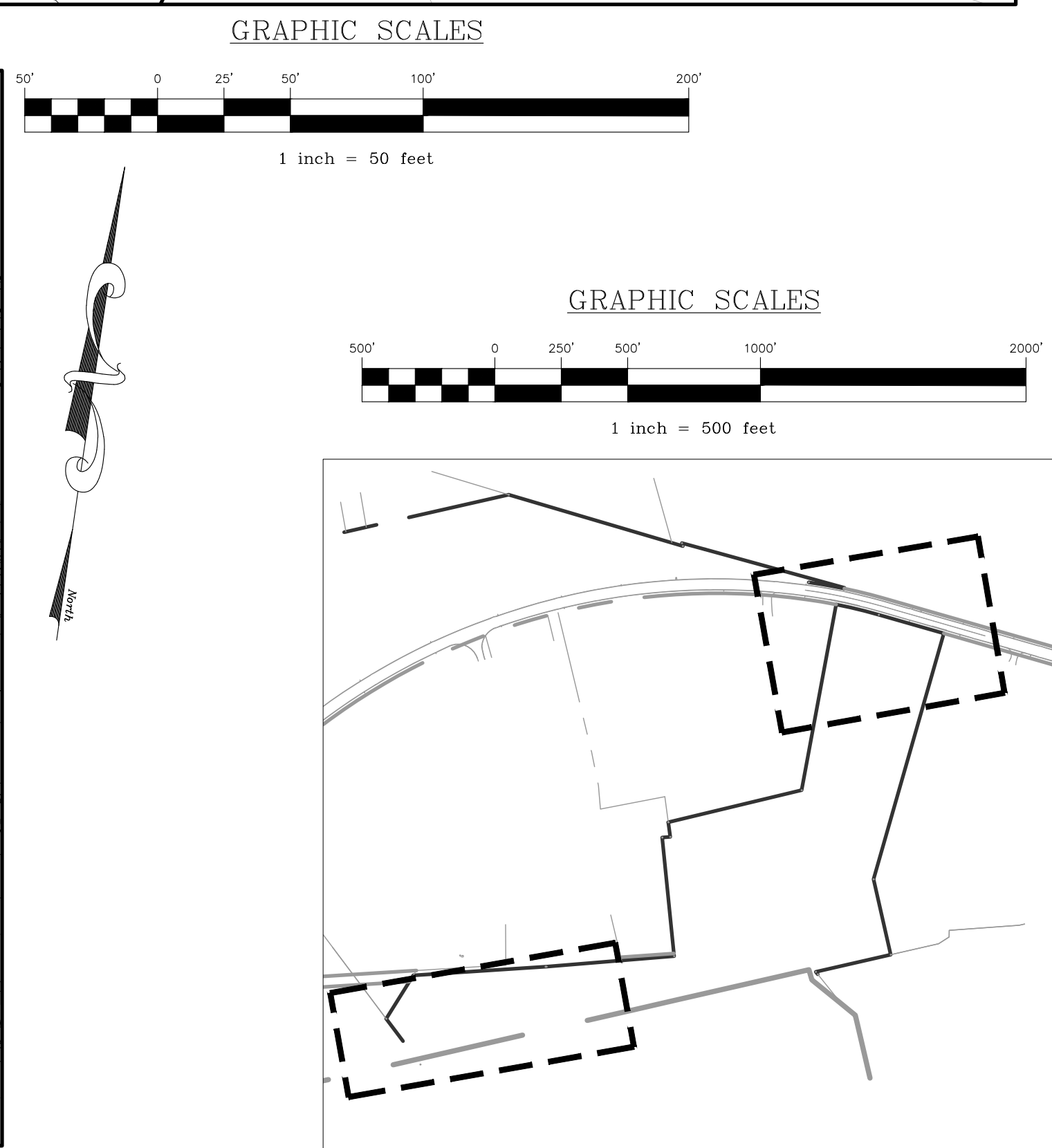
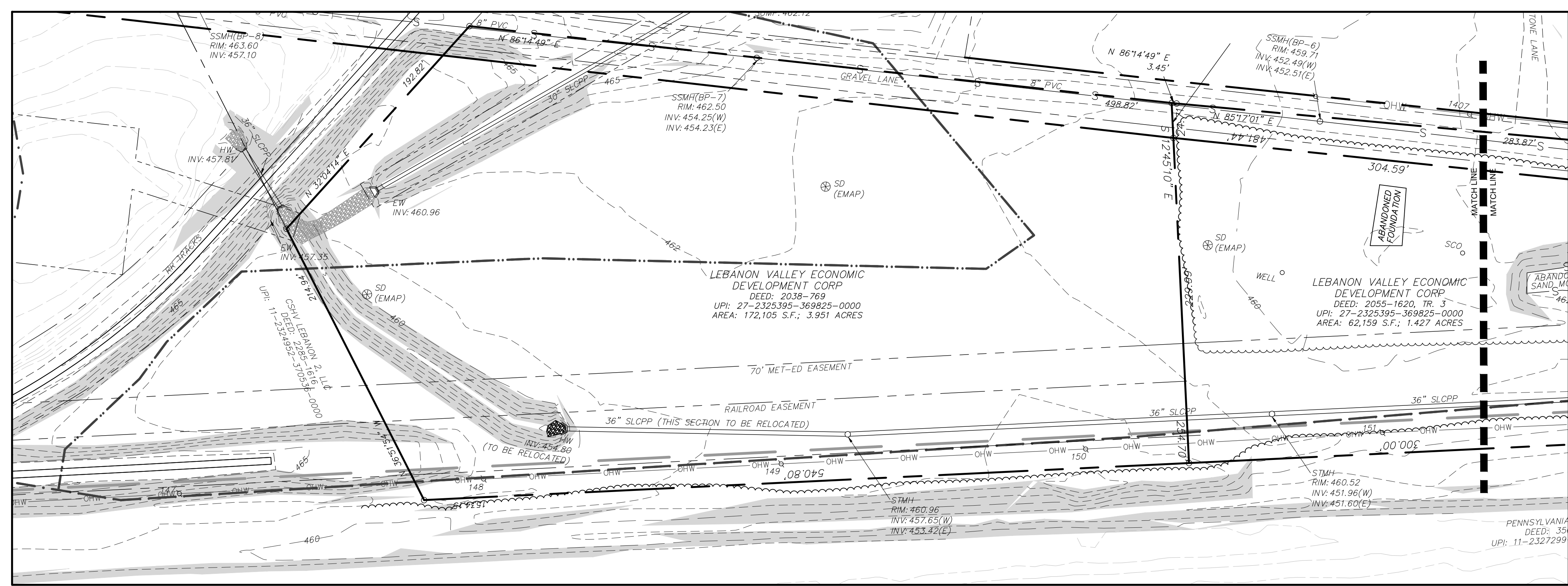
- cKa - CLARKSBURG SILT LOAM, 0-3% SLOPES
- cMb - COMLY SILT LOAM, 3-8% SLOPES
- dB - DUFFIELD SILT LOAM, 3-8% SLOPES
- hAa - HAGERSTOWN SILT LOAM, 3-8% SLOPES
- hAb - HAGERSTOWN SILT LOAM, 3-8% SLOPES
- hBc - HAGERSTOWN SILTY CLAY LOAM, 8-15% SLOPES
- hBd - HAGERSTOWN-ROCK OUTCROP COMPLEX, 3-8% SLOPES
- hU - NOLIN VARIANT SILT LOAM
- u - URBAN LAND-HAGERSTOWN COMPLEX

UNDER AND SUBJECT TO THE FOLLOWING COVENANTS AND RESTRICTIONS:

1. NEITHER THE PREMISES HEREBY CONVEYED, NOR ANY BUILDING OR OTHER IMPROVEMENT CURRENTLY EXISTING THEREON OR HEREAFTER ERRECTED THEREON, SHALL BE USED, ERRECTED, OR OCCUPIED FOR ANY PURPOSE OR IN A MANNER WHICH CAUSES OR HAS THE POTENTIAL TO CAUSE THE INTRODUCTION TO OR RELEASE FROM THE PREMISES OF ANY OFFENSIVE MALODOROUS, TOXIC, OR HAZARDOUS SUBSTANCE, EMISSION OR CONDITION. THE OBLIGATIONS SET FORTH IN THIS PARAGRAPH SHALL BE DEEMED COVENANTS RUNNING WITH THE LAND AND SHALL BE BINDING UPON GRANTOR'S SUCCESSORS IN THE TITLE TO THE PREMISES.
2. THE GRANTEE MAY CONVEY ALL OR ANY PORTION OF THE PREMISES HEREBY CONVEYED FOR SUCH CONSIDERATION AS IT DEEMS APPROPRIATE IN FURTHERANCE OF THE ECONOMIC DEVELOPMENT GOALS OF THE GRANTEE, ITS POLITICAL SUBDIVISIONS, AND THEIR RESPECTIVE SUCCESSORS AND ASSIGNS, SUBJECT NEVERTHELESS TO THE RESTRICTION THAT, FOR A PERIOD OF FIFTEEN (15) YEARS FOLLOWING THE DATE HEREOF, NO PORTION OF THE PREMISES SHALL BE CONVEYED IN ANY MANNER, BY FEE, LEASEHOLD, OR OTHERWISE, TO ANY PERSON OWNING, DIRECTLY OR INDIRECTLY AS OF THE DATE HEREOF, ANY INTEREST IN REAL PROPERTY SITUATED WITHIN A TWO (2) MILE RADIUS OF THE PREMISES, IT BEING THE INTENT OF THE GRANTOR TO ENCOURAGE ECONOMIC DEVELOPMENT IN NORTH LEBANON TOWNSHIP THROUGH INVESTMENT BY OTHER THAN CURRENT RESIDENTS OF THAT TOWNSHIP. FOR PURPOSES OF THIS RESTRICTION, THE WORD PERSON SHALL MEAN ANY NATURAL PERSON OR RELATIVE LIVING IN SUCH PERSON'S HOUSEHOLD, ANY CORPORATION, LIMITED LIABILITY PARTNERSHIP, LIMITED LIABILITY COMPANY, PARTNERSHIP, JOINT VENTURE, ASSOCIATION, JOINT STOCK COMPANY, TRUST, UNINCORPORATED ORGANIZATION, OR GOVERNMENT. THE FORGOING RESTRICTION SHALL NOT PROHIBIT THE CONVEYANCE BY THE GRANTEE OF ALL OR ANY PORTION OF THE PREMISES TO THE LEBANON VALLEY ECONOMIC DEVELOPMENT CORPORATION, A BODY POLITIC AND CORPORATE EXISTING UNDER THE LAWS OF THE COMMONWEALTH OF PENNSYLVANIA, OR TO ANY SUBSIDIARY OR SUCCESSOR THEREOF (COLLECTIVELY "LVEDC"), PROVIDED THAT ANY SUBSEQUENT CONVEYANCE OF ALL OR ANY PORTION OF THE PREMISES BY LVEDC SHALL BE SUBJECT TO THIS RESTRICTION. ANY CONVEYANCE IN VIOLATION OF THIS RESTRICTION SHALL BE NULL AND VOID, AND OF NO LEGAL EFFECT WHATSOEVER. THIS RESTRICTION SHALL BE DEEMED A COVENANT RUNNING WITH THE LAND AND SHALL BE BINDING UPON GRANTOR'S SUCCESSORS IN TITLE TO THE PREMISES FOR A PERIOD OF FIFTEEN (15) YEARS FROM THE DATE HEREOF.

THE COVENANTS AND RESTRICTIONS SET FORTH IN NUMBERS 1 AND 2 ABOVE SHALL BE ENFORCEABLE AT LAW OR INEQUITY SOLELY BY THE GRANTOR, ITS SUCCESSORS AND ASSIGNS. THE GRANTOR RESERVES THE RIGHT, IN ITS SOLE DISCRETION, TO WAIVE ONE OR MORE OF THE FOREGOING COVENANTS OR RESTRICTIONS, PROVIDED THAT ANY SUCH WAIVER SHALL BE IN WRITING, AND THEN ONLY TO THE EXTENT SET FORTH BY THE GRANTOR IN THE WRITTEN WAIVER.

ALSO UNDER AND SUBJECT TO ALL EASEMENTS, RESTRICTIONS, AND ENCUMBRANCES AND OTHER MATTERS OF RECORD OR THAT A PHYSICAL INSPECTION OR SURVEY OF THE PREMISES WOULD REVEAL.



DATE	BY
2/8/24	JMK
3/11/24	AMK/EJG
3/11/24	JMK

REVISION	DATE	BY
LCPD COMMENTS -	1/30/24	JMK
ARRO COMMENTS -	1/18/24	AMK/EJG
NLMA COMMENTS -	1/16/24	JMK

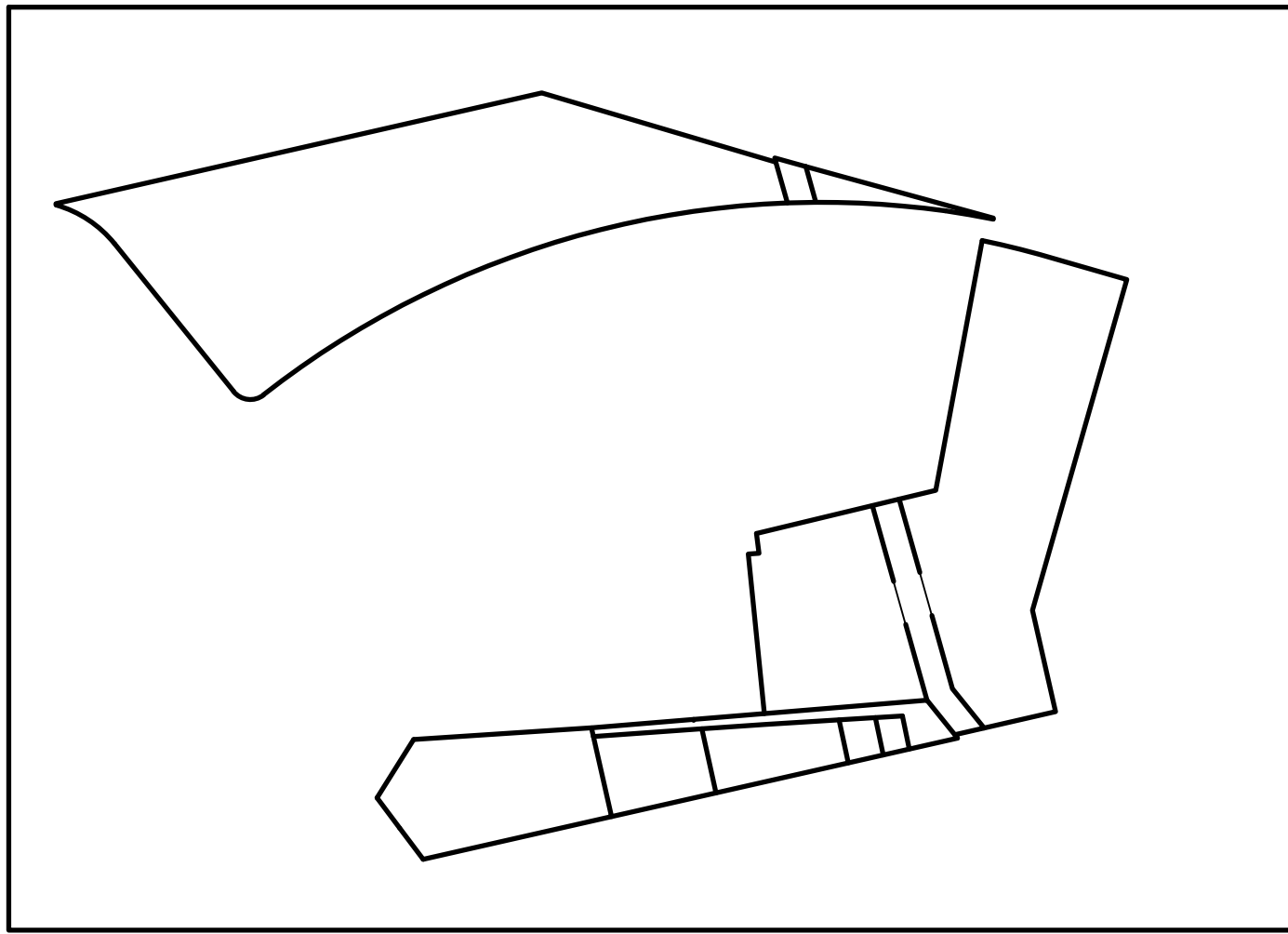
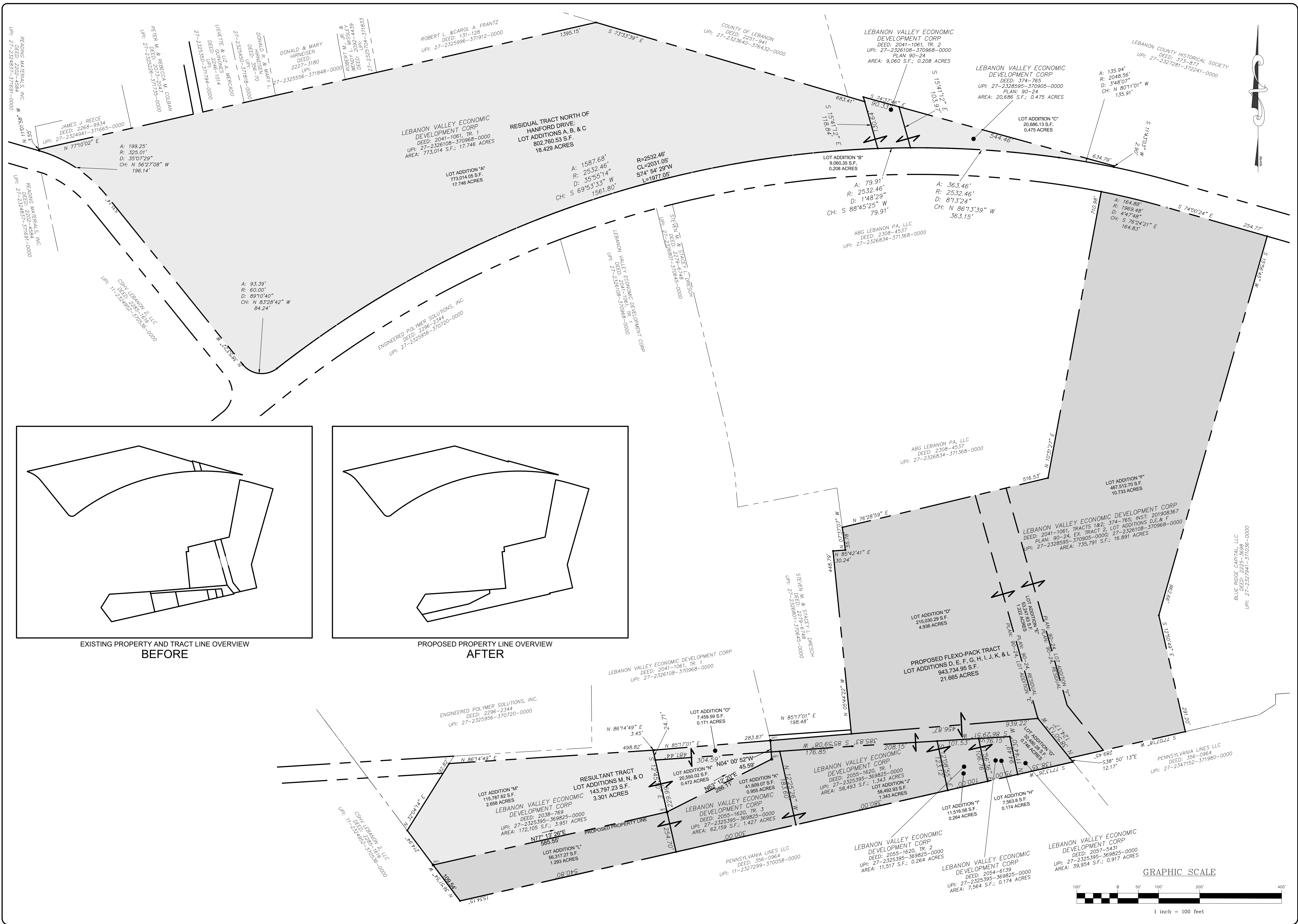
EXISTING CONDITIONS & DEMOLITION PLAN

PRELIMINARY/FINAL SUBDIVISION & LAND DEVELOPMENT PLAN

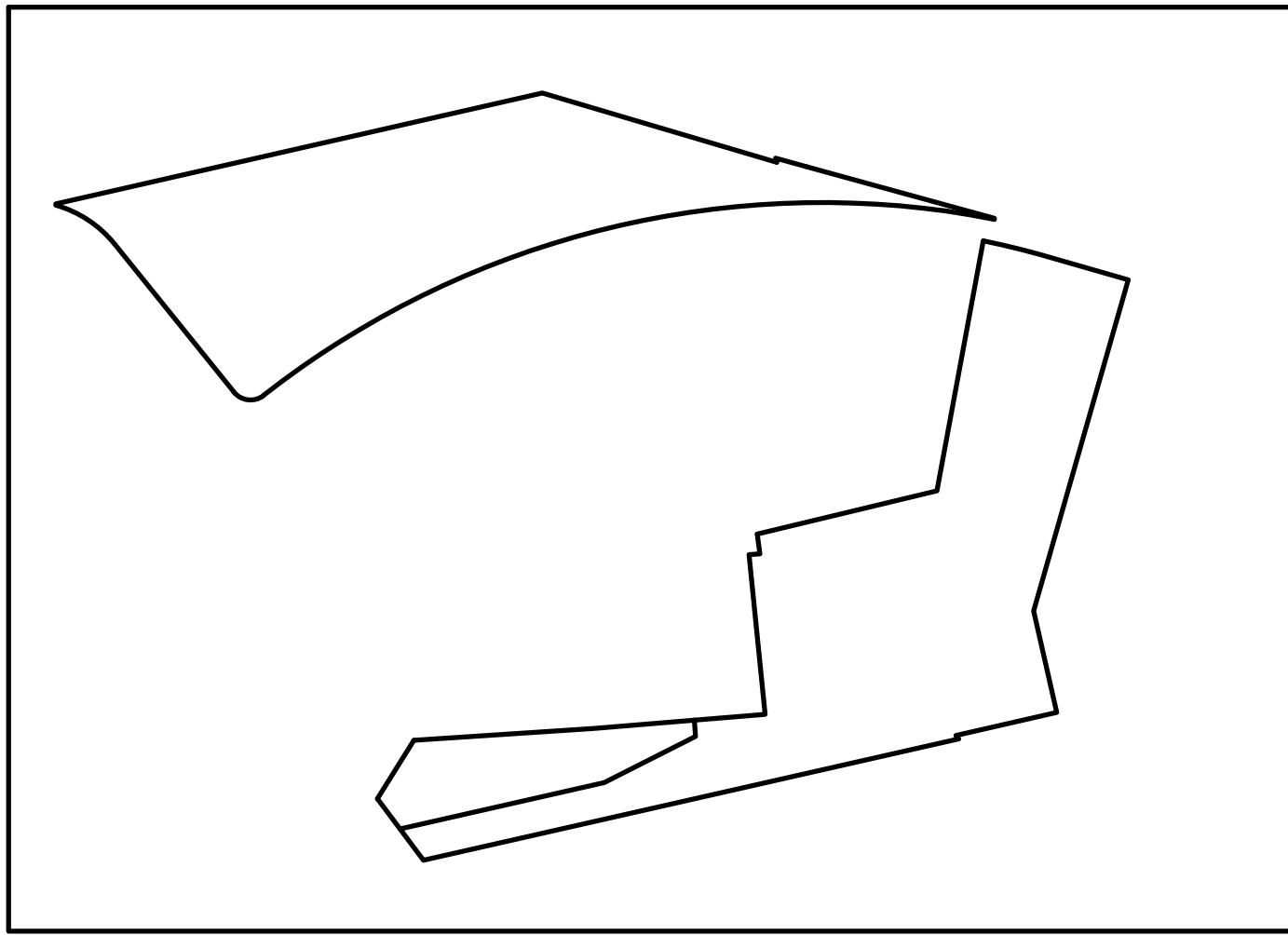
FLEXO-PACK USA, INC.

located in
North Lebanon Township
Lebanon County, Pennsylvania

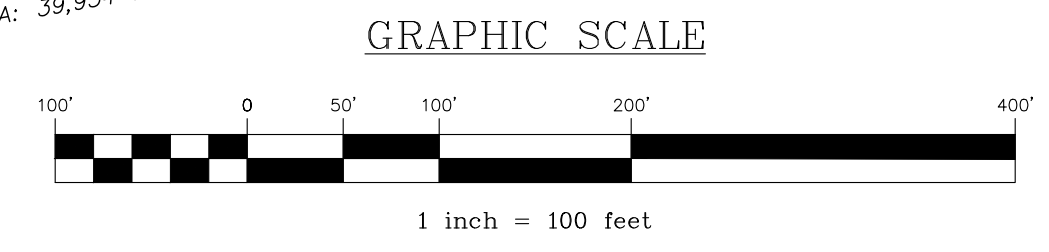
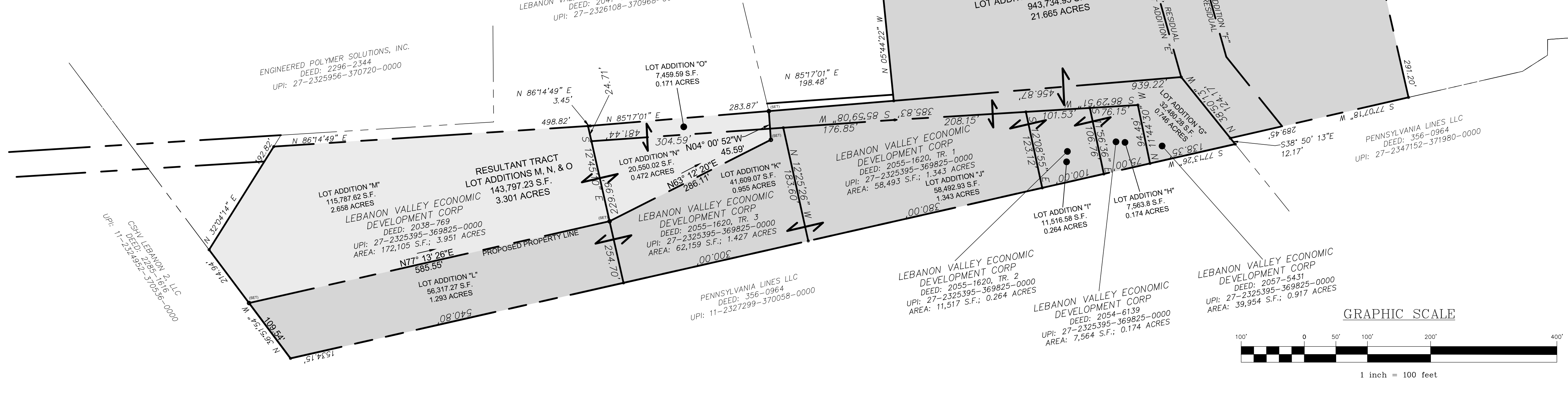
FIELD CREW:	SS/TB
BASE MAP:	DY
DRAWN:	ABK/JMK
DESIGN:	ABK/EJG
CHECKED:	ABK
DATE:	3/12/24
PROJECT #	132-23-007



EXISTING PROPERTY AND TRACT LINE OVERVIEW BEFORE



PROPOSED PROPERTY LINE OVERVIEW AFTER



BY	DATE	REVISION
JMK	2/8/24	LCPD COMMENTS - 1/30/24
JMK/EJG	3/11/24	ARRO COMMENTS - 1/18/24
JMK	3/11/24	NLTM COMMENTS - 1/16/24

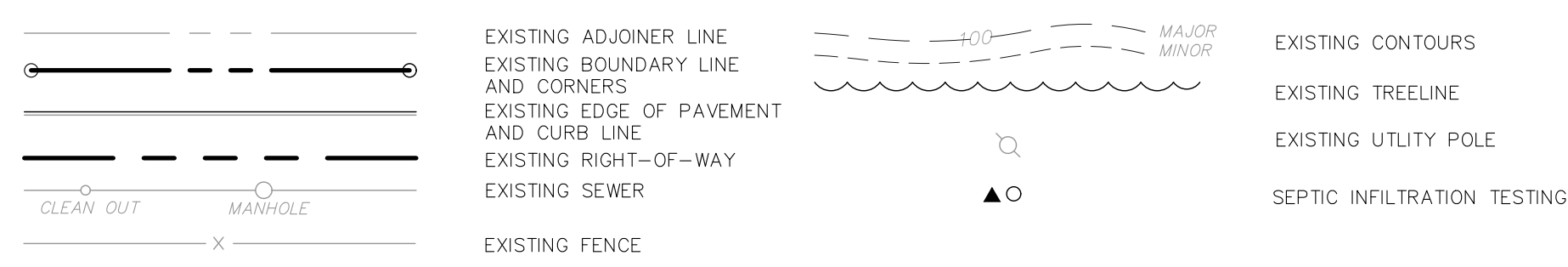
SUBDIVISION PLAN

PRELIMINARY/FINAL SUBDIVISION & LAND DEVELOPMENT PLAN
For
FLEXPACK USA, INC.
located in
North Lebanon Township
Lebanon County, Pennsylvania

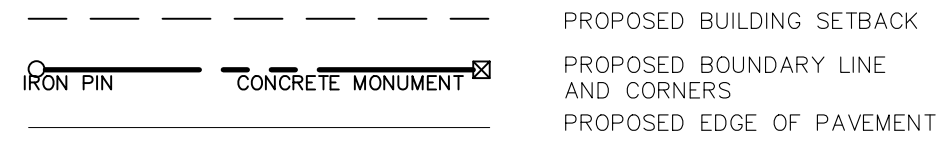
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BASE MAP: DY
DRAWN: ABK/JMK
DESIGN: ABK/EJG
CHECKED: ABK
DATE: 3/12/24
PROJECT #132-23-007

LEGEND

EXISTING FEATURES

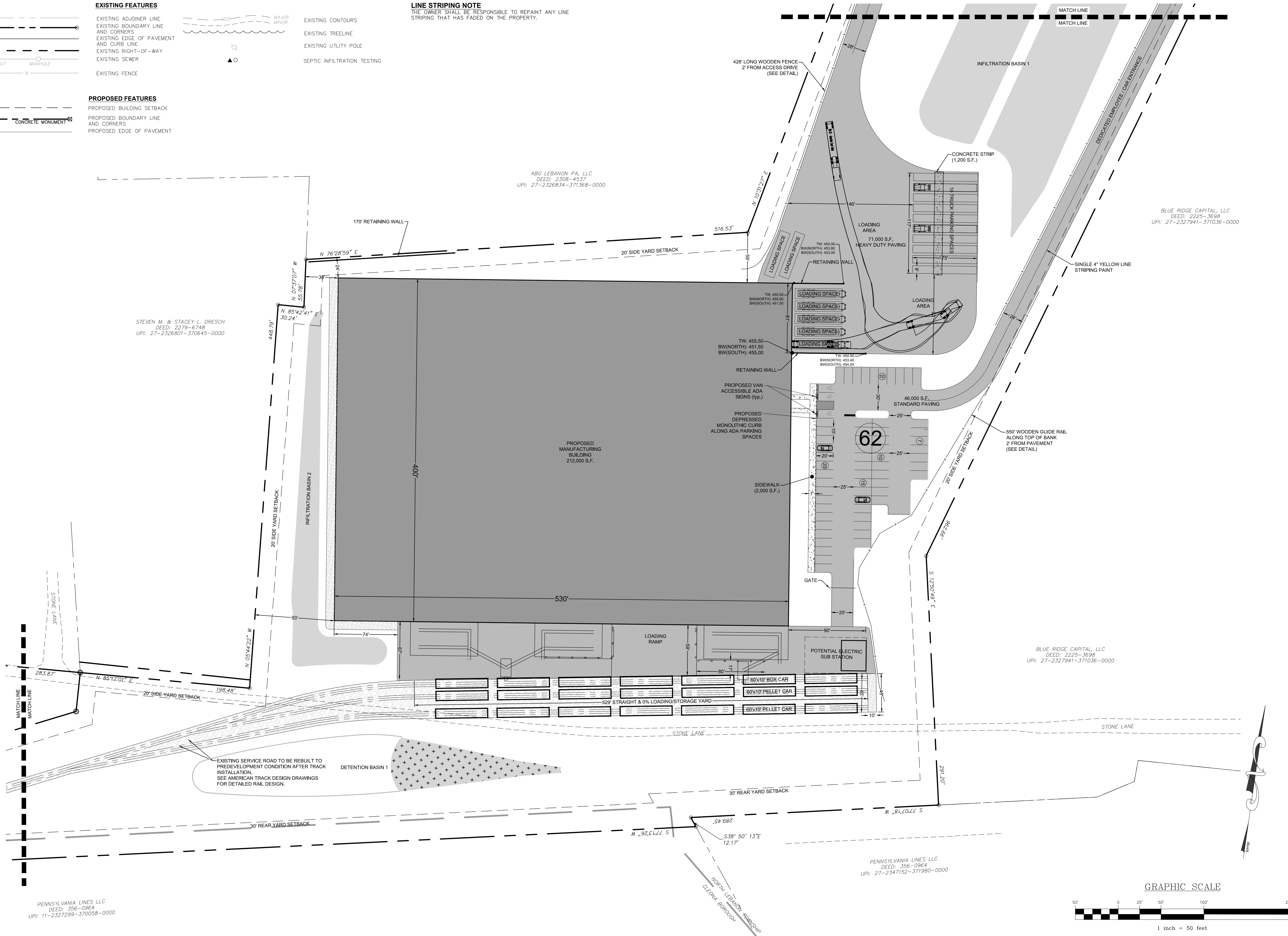


PROPOSED FEATURES



LINE STRIPING NOTE

THE OWNER SHALL BE RESPONSIBLE TO REPAINT ANY LINE STRIPING THAT HAS FADED ON THE PROPERTY.

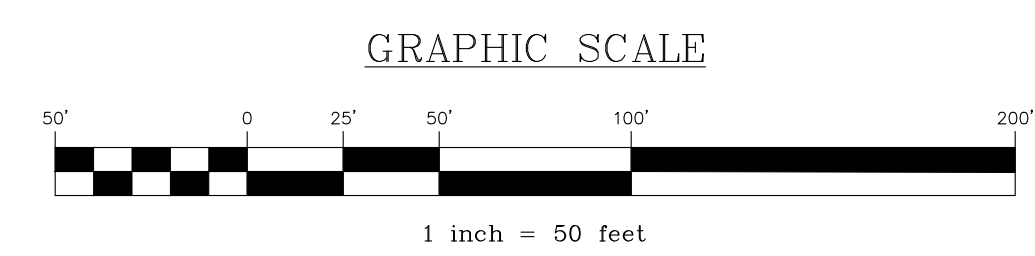


REVISION	DATE	BY
LCPD COMMENTS - 1/30/24	2/8/24	JMK
ARRO COMMENTS - 1/18/24	3/11/24	JMK/EJG
NLTM COMMENTS - 1/16/24	3/11/24	JMK

LAYOUT PLAN

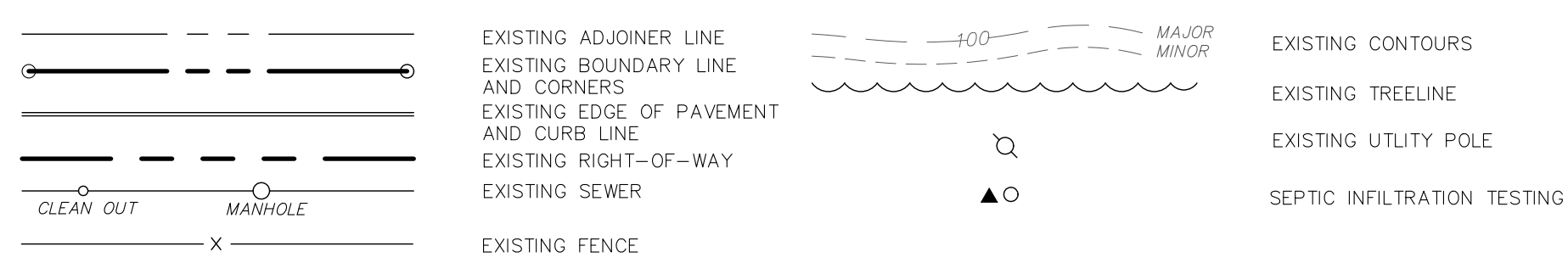
PRELIMINARY/FINAL SUBDIVISION & LAND DEVELOPMENT PLAN
For
FLEXO-PACK USA, INC.
located in
North Lebanon Township
Lebanon County, Pennsylvania

FIELD CREW:	SS/TB
BASE MAP:	DY
DRAWN:	ABK/JMK
DESIGN:	ABK/EJG
CHECKED:	ABK
DATE:	3/12/24
PROJECT #	132-23-007

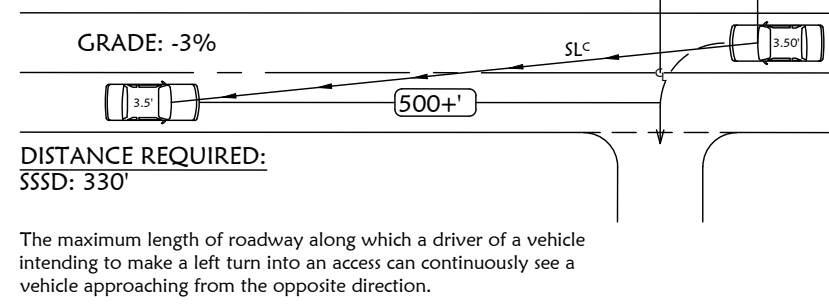
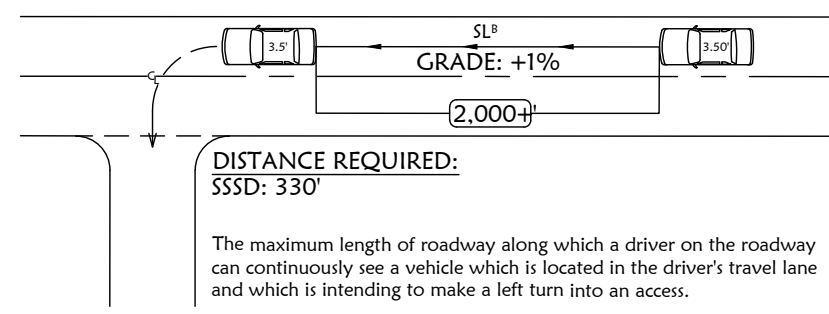
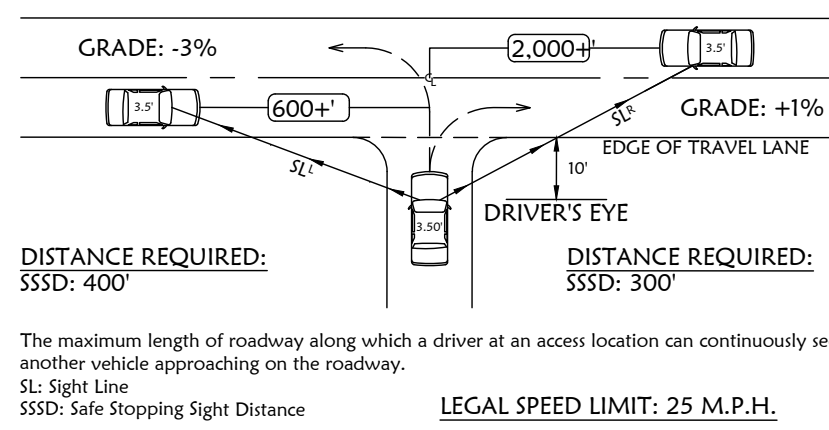
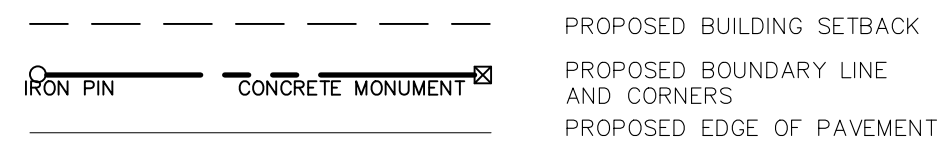


LEGEND

EXISTING FEATURES

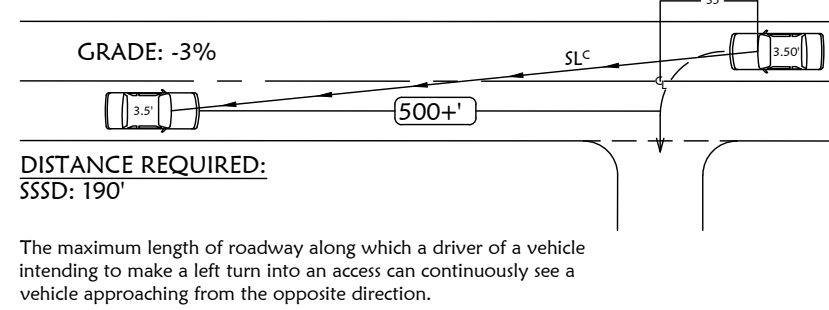
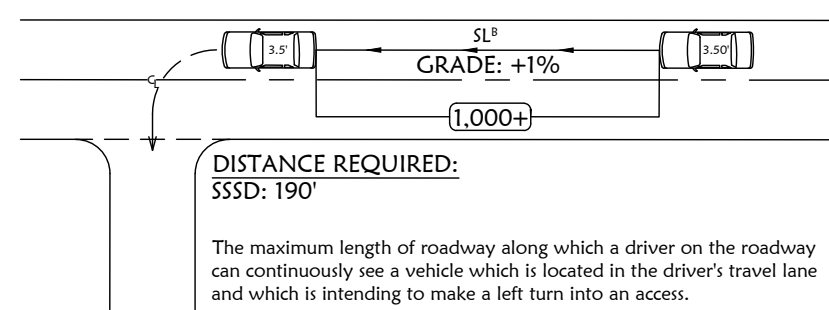
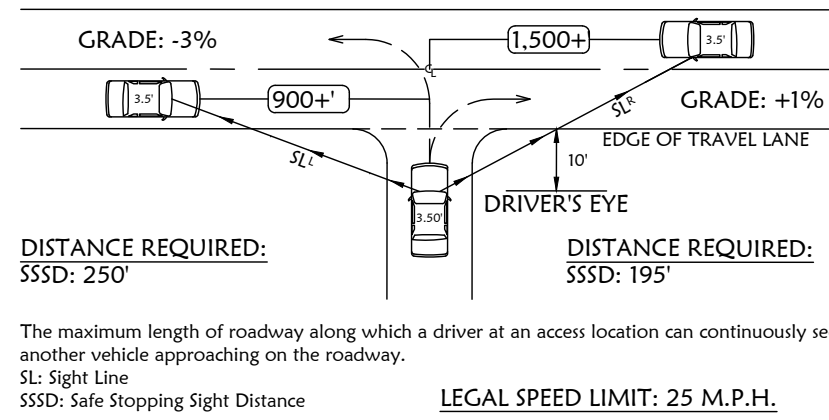


PROPOSED FEATURES



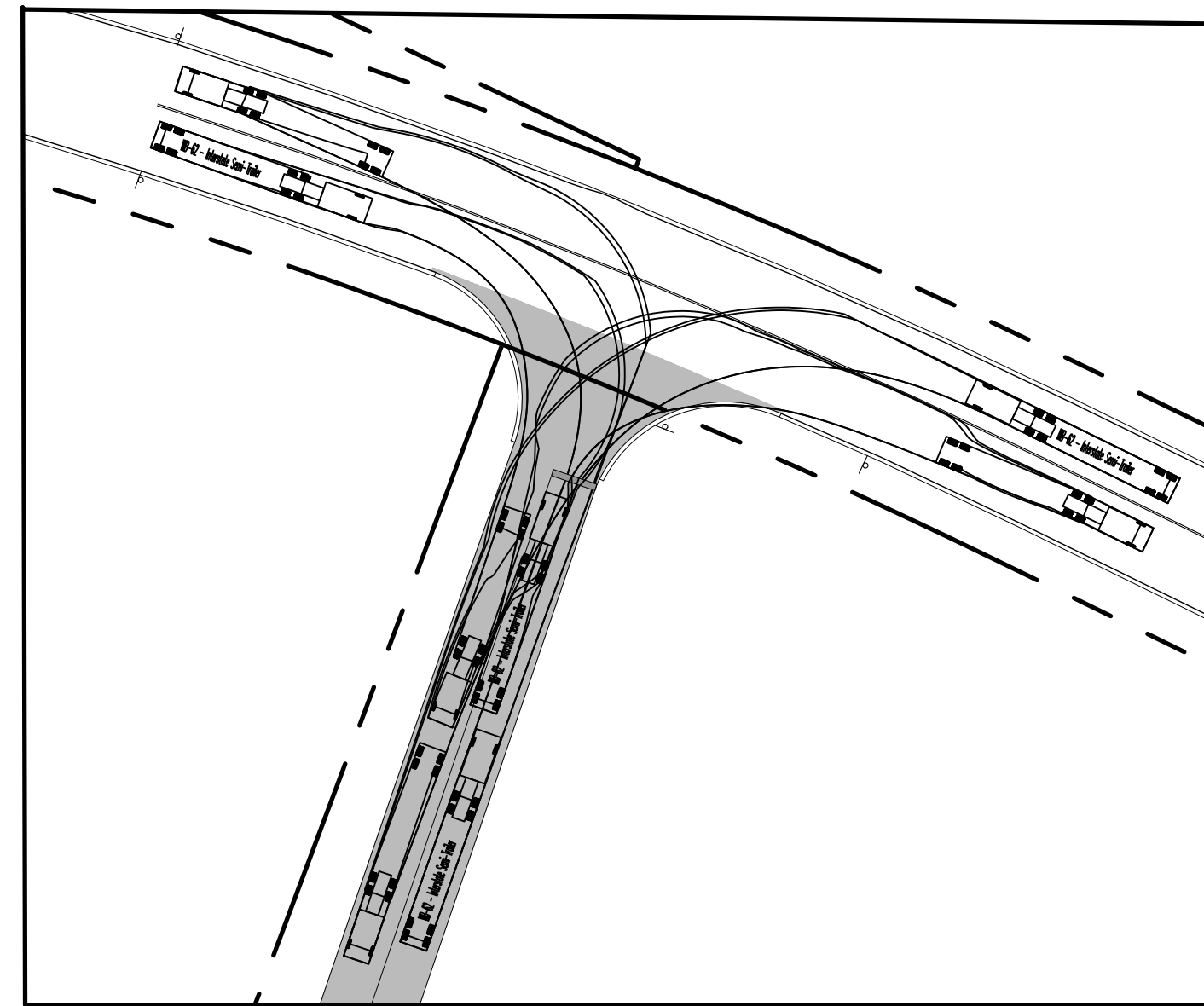
SIGHT DISTANCE CHART - WEST ENT.

NO SCALE

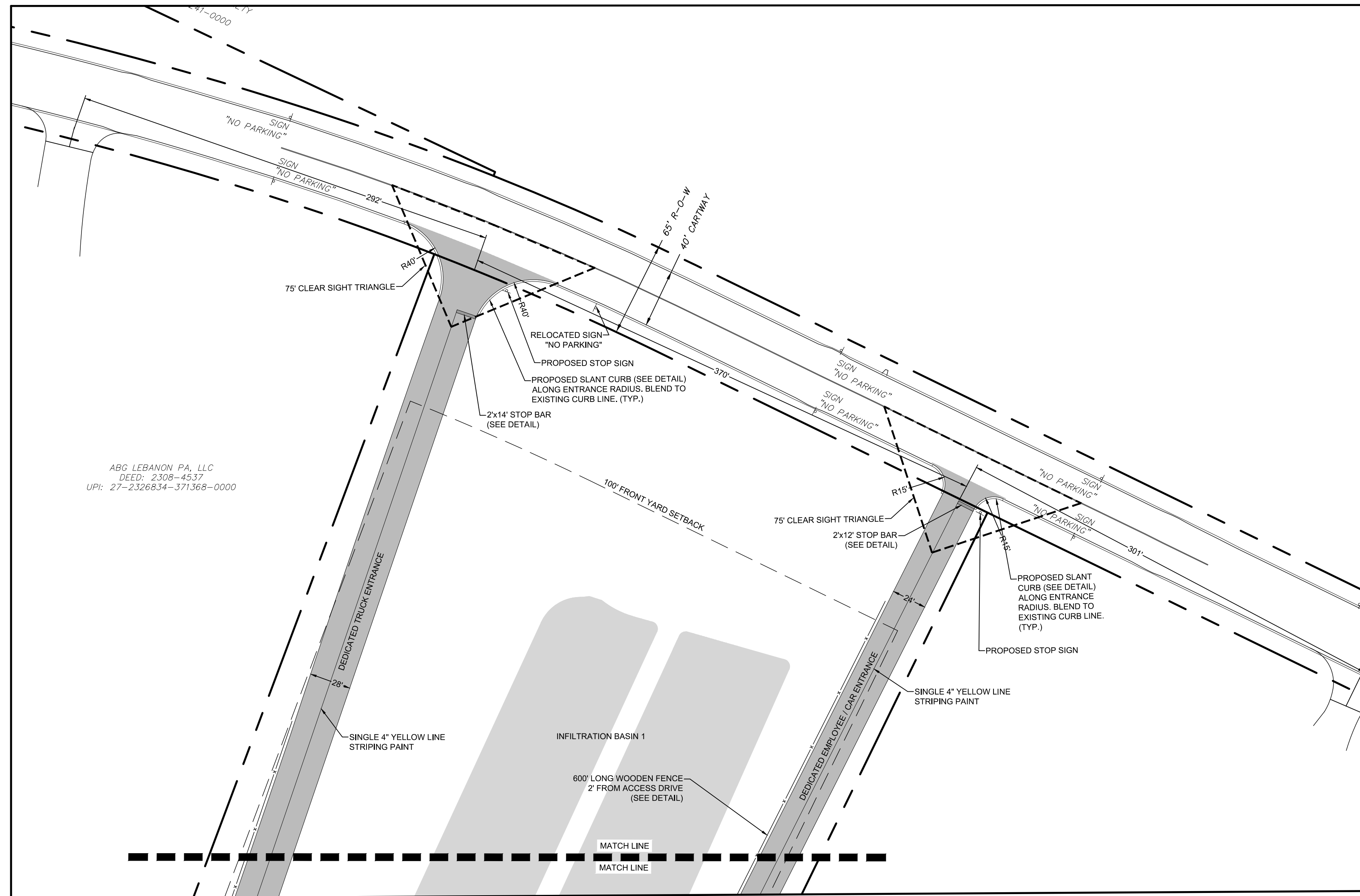


SIGHT DISTANCE CHART - EAST ENT.

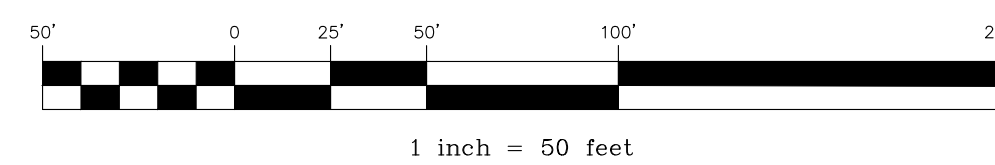
NO SCALE



SCALE: 1"=50'



GRAPHIC SCALES



LINE STRIPING NOTE

THE OWNER SHALL BE RESPONSIBLE TO REPAINT ANY LINE STRIPING THAT HAS FADED ON THE PROPERTY.

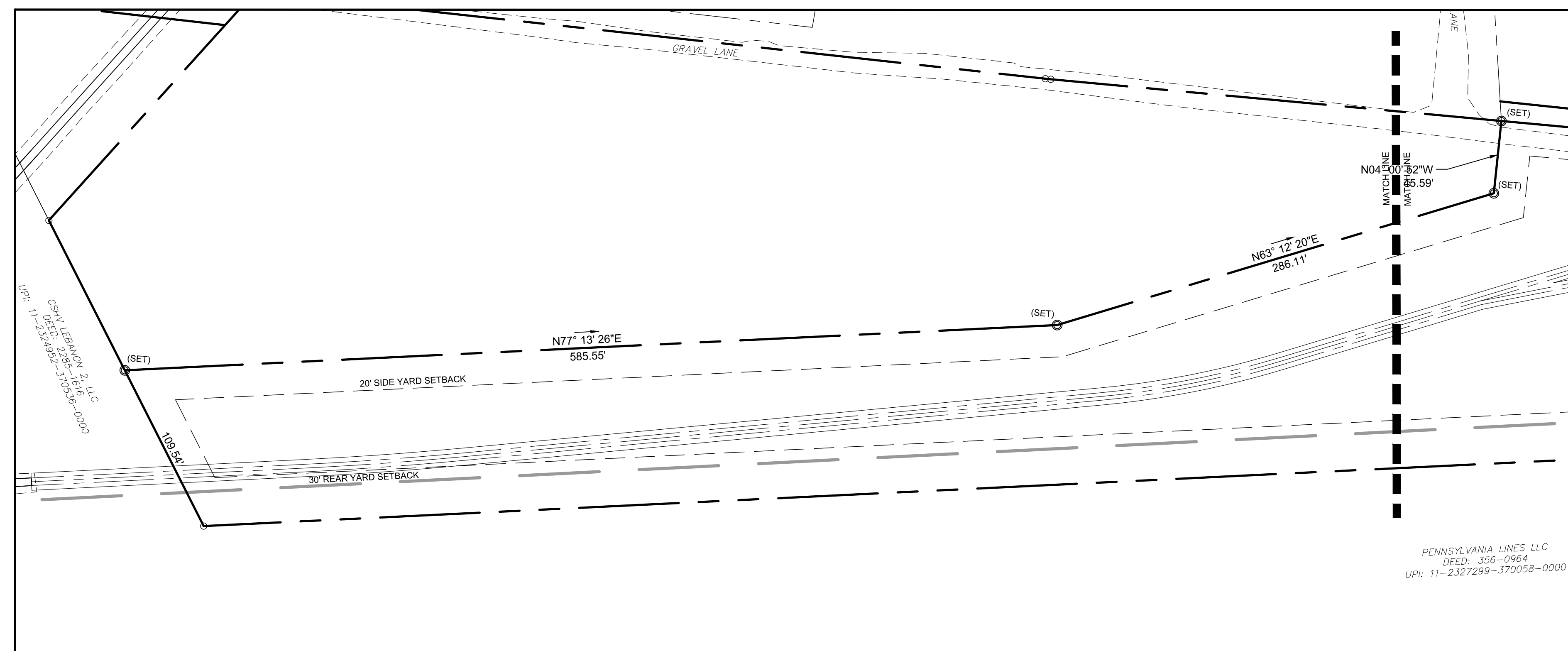
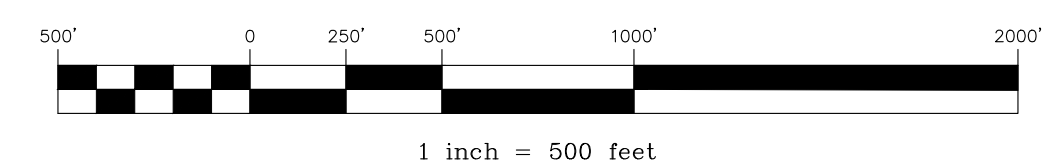
THE TRUCK ACCESS DRIVE HAS BEEN DESIGNED FOR MINIMUM USE, AND THE CAR ACCESS DRIVE HAS BEEN DESIGNED FOR LOW VOLUME REQUIREMENTS AS SHOWN IN SECTION 21-608 OF THE NORTH LEBANON TOWNSHIP STREET AND SIDEWALK ORDINANCE.

DEDICATED TRUCK ACCESS DRIVE - ADT: 0.57 TRUCKS
REGULARLY SERVICE BY BUSES AND COMBINATION TRUCKS, MINIMUM USE, <45 MPH
DRIVEWAY RADIUS REQUIRED: 35'-50'
DRIVEWAY RADIUS PROPOSED: 40'

EMPLOYEE/CAR ACCESS DRIVE - ADT: 100 CARS
INFREQUENT SERVICE BY BUSES AND COMBINATION TRUCKS, LOW VOLUME, <45 MPH
DRIVEWAY RADIUS REQUIRED: 5'-15'
DRIVEWAY RADIUS PROPOSED: 15'

EACH DRIVEWAY HAS AT LEAST 500' OF THROAT LENGTH

GRAPHIC SCALES



REVISION	DATE	BY
LCPD COMMENTS - 1/30/24	2/8/24	JMK
ARRO COMMENTS - 1/18/24	3/11/24	AMK/EJG
ULTMA COMMENTS - 1/16/24	3/11/24	JMK

LAYOUT PLAN

PRELIMINARY/FINAL SUBDIVISION & LAND DEVELOPMENT PLAN
For
FLEXO-PACK USA, INC.
located in
North Lebanon Township
Lebanon County, Pennsylvania

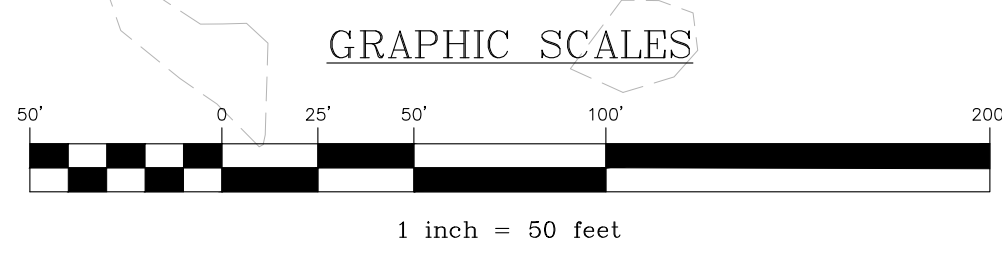
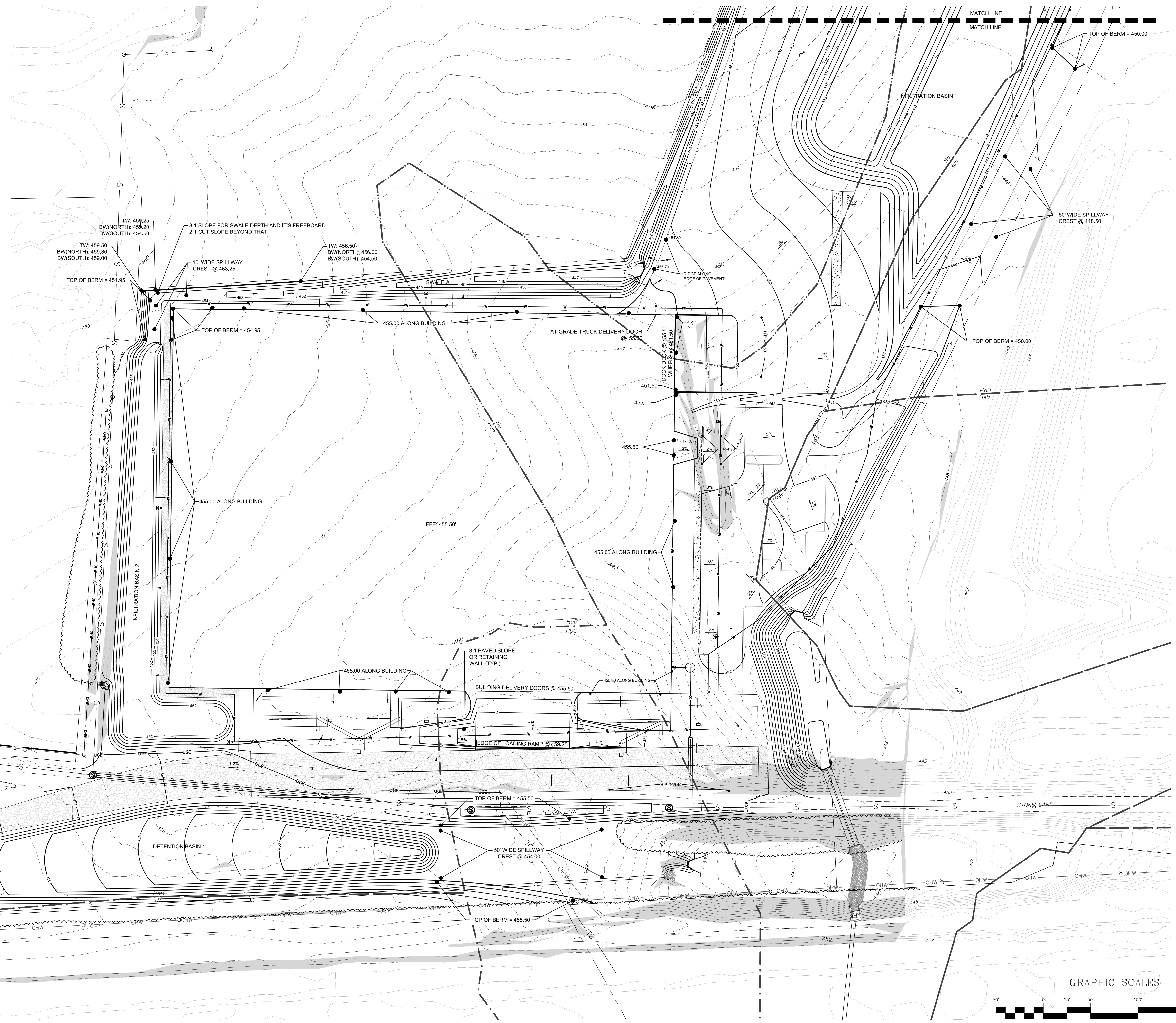
ESI
Steinbeck Engineering & Surveying, Inc.
279 Lebanon, Pennsylvania 17042
Phone: (717) 272-7110
Fax: (717) 272-2548

FIELD CREW:	SS/TB
BASE MAP:	DY
DRAWN:	ABK/JMK
DESIGN:	ABK/EJG
CHECKED:	ABK
DATE:	3/12/24
PROJECT #	132-23-007

LEGEND

- EXISTING FEATURES**
- EXISTING ADJOINER LINE
 - EXISTING BOUNDARY LINE AND CORNERS
 - EXISTING EDGE OF PAVEMENT AND CURB LINE
 - EXISTING RIGHT-OF-WAY
 - EXISTING FENCE
 - EXISTING SEWER
 - EXISTING STORMWATER
 - EXISTING WATERLINE
 - EXISTING GASLINE
 - EXISTING SIDEWALK/CONCRETE
 - EXISTING CONTOURS
 - EXISTING TREELINE
 - EXISTING TOWNSHIP BOUNDARY
 - LIMITS OF FIELD SURVEY
 - EXISTING SOILS
 - EXISTING UTILITY POLE
 - EXISTING LIGHT POLE
- PROPOSED FEATURES**
- PROPOSED BUILDING SETBACK
 - PROPOSED BOUNDARY LINE AND CORNERS
 - PROPOSED EDGE OF PAVEMENT AND CURB LINE
 - PROPOSED RIGHT-OF-WAY
 - PROPOSED FENCE
 - PROPOSED SEWER
 - PROPOSED STORMWATER
 - PROPOSED DOMESTIC WATERLINE
 - PROPOSED GASLINE
 - PROPOSED CONCRETE/SIDEWALK
 - PROPOSED CONTOURS
 - PROPOSED TREELINE
 - PROPOSED UTILITY POLE
 - STEEP SLOPES (>15%)

- SOILS LEGEND**
- CKA - CLARKSBURG SILT LOAM, 0-3% SLOPES
 - CMB - COMLY SILT LOAM, 3-8% SLOPES
 - DIB - DUFFIELD SILT LOAM, 3-8% SLOPES
 - H1A - HAGERSTOWN SILT LOAM, 3-8% SLOPES
 - H1B - HAGERSTOWN SILT LOAM, 3-8% SLOPES
 - H1C - HAGERSTOWN SILTY CLAY LOAM, 8-15% SLOPES
 - H1B - HAGERSTOWN-ROCK OUTCROP COMPLEX, 3-8% SLOPES
 - NO - NOUN VARIANT SILT LOAM
 - US - URBAN LAND-HAGERSTOWN COMPLEX



REVISION	DATE	BY
LCPD COMMENTS - 1/30/24	2/8/24	JMK
ARRO COMMENTS - 1/18/24	3/11/24	JMK/EJG
NLTHA COMMENTS - 1/18/24	3/11/24	JMK

GRADING PLAN

PRELIMINARY/FINAL SUBDIVISION & LAND DEVELOPMENT PLAN
for
FLEXO-PACK USA, INC.
located in
North Lebanon Township
Lebanon County, Pennsylvania

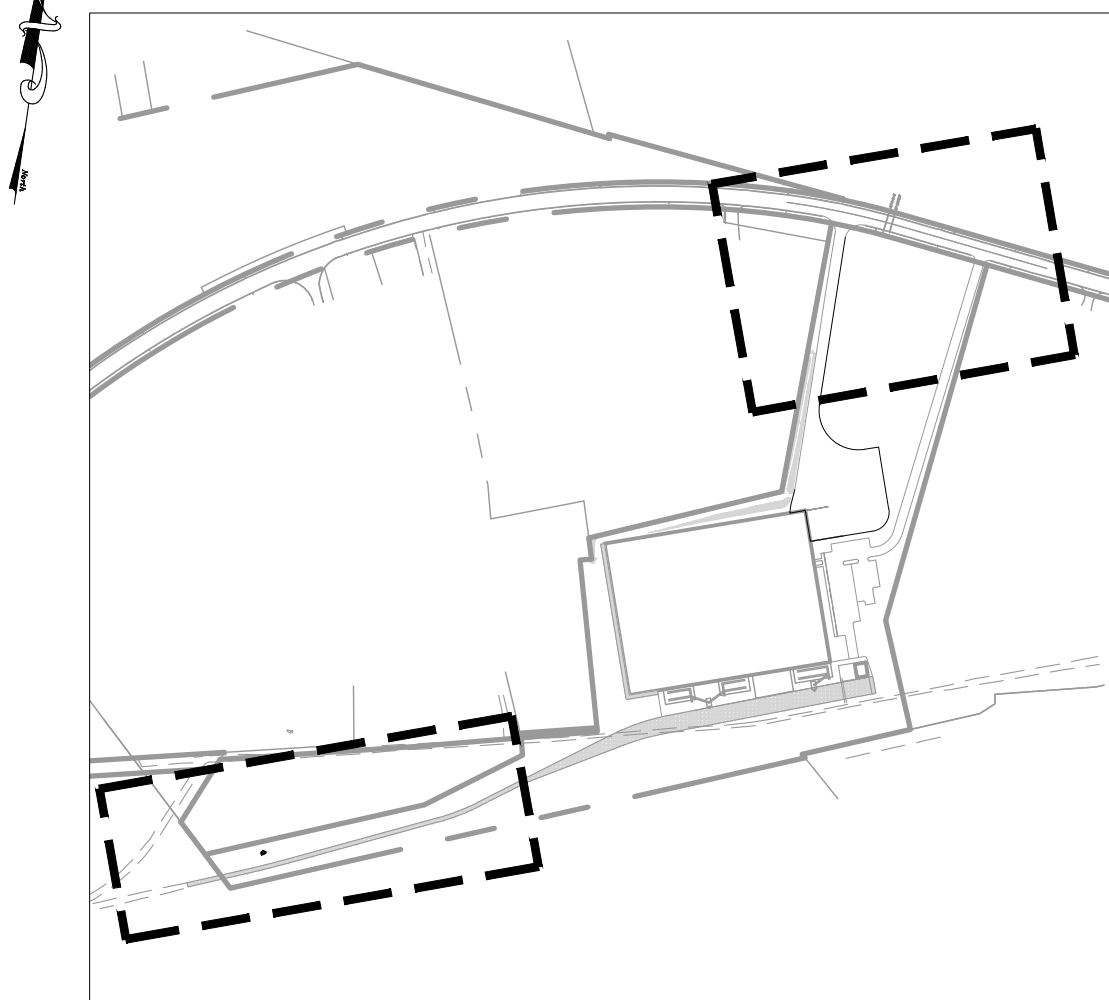
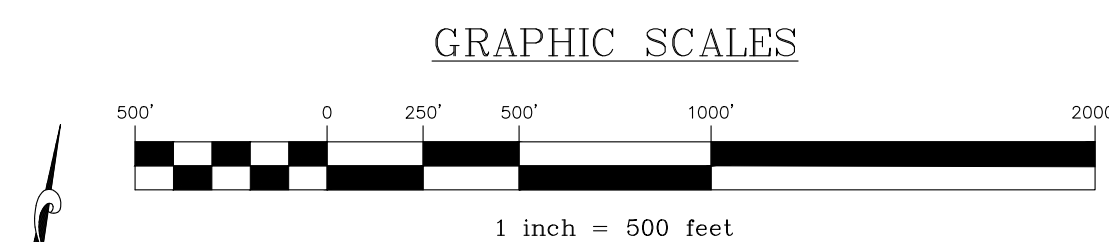
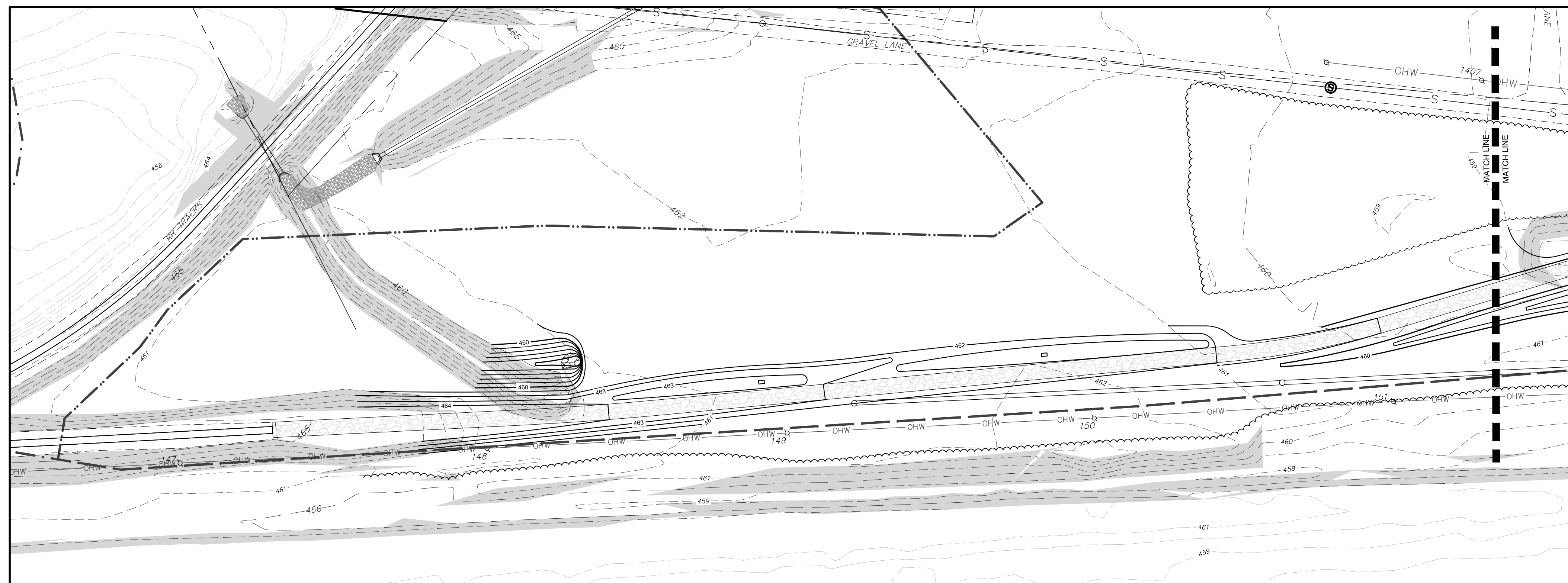
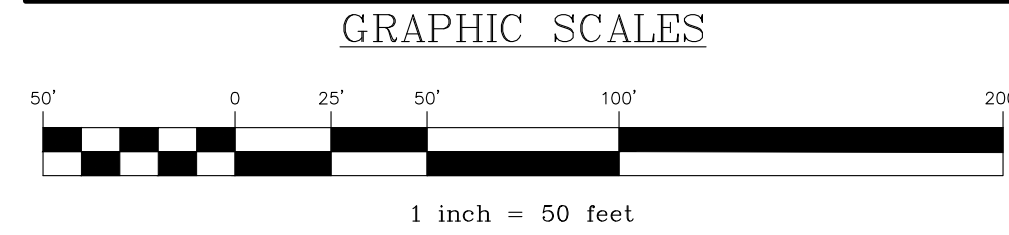
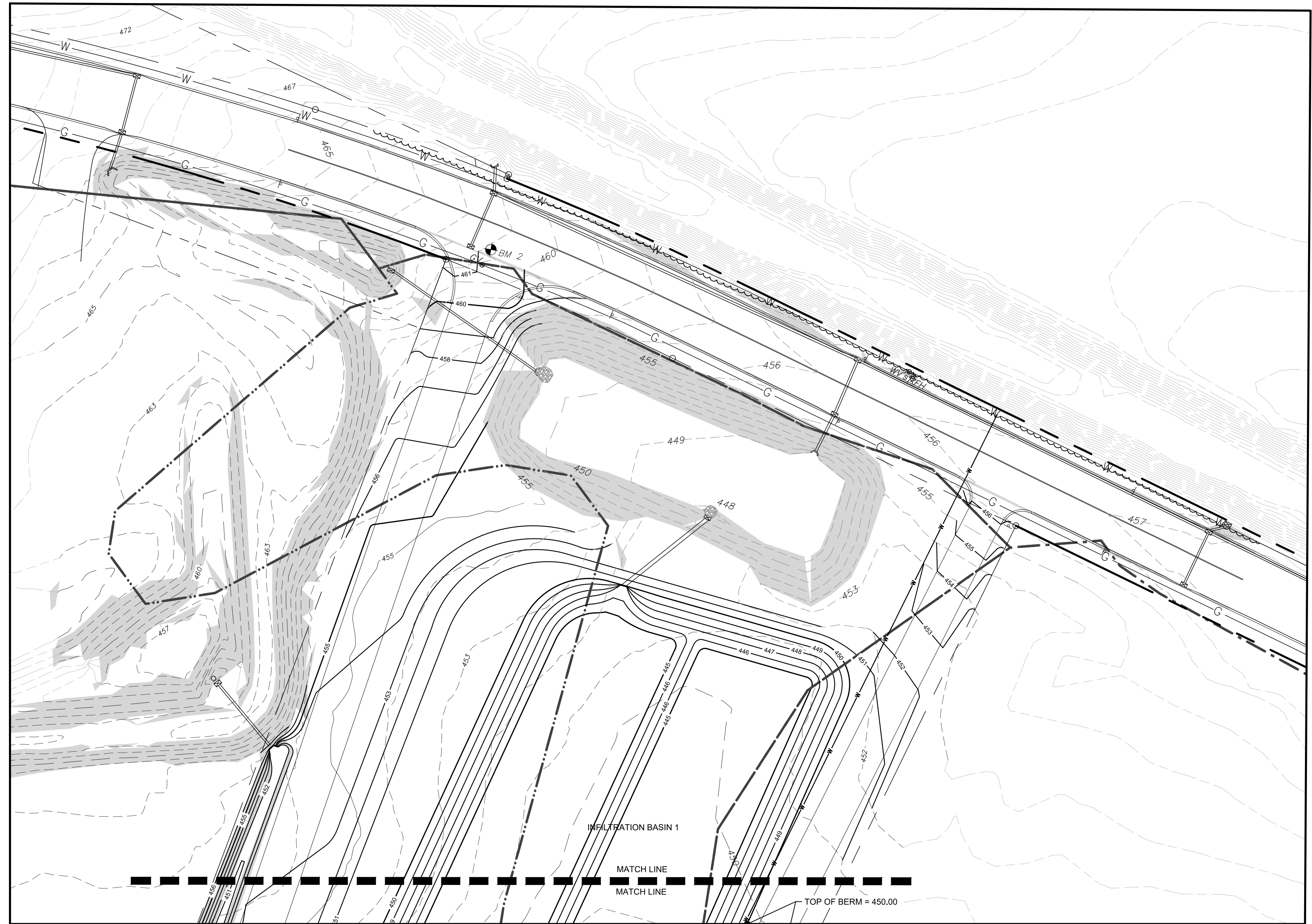
FIELD CREW:	SS/TB
BASE MAP:	DY
DRAWN:	ABK/JMK
DESIGN:	ABK/EJG
CHECKED:	ABK
DATE:	3/12/24
PROJECT #	132-23-007

LEGEND

- EXISTING FEATURES**
- EXISTING ADJOINER LINE
 - EXISTING BOUNDARY LINE AND CORNERS
 - EXISTING EDGE OF PAVEMENT AND CURB LINE
 - EXISTING RIGHT-OF-WAY
 - EXISTING FENCE
 - EXISTING SEWER
 - EXISTING STORMWATER
 - EXISTING WATERLINE
 - EXISTING GASLINE
 - EXISTING SIDEWALK/CONCRETE
 - EXISTING CONTOURS
 - EXISTING TREELINE
 - EXISTING TOWNSHIP BOUNDARY
 - LIMITS OF FIELD SURVEY
 - EXISTING SOILS
 - EXISTING UTILITY POLE
 - EXISTING LIGHT POLE
- PROPOSED FEATURES**
- PROPOSED BUILDING SETBACK
 - PROPOSED BOUNDARY LINE AND CORNERS
 - PROPOSED EDGE OF PAVEMENT AND CURB LINE
 - PROPOSED RIGHT-OF-WAY
 - PROPOSED FENCE
 - PROPOSED SEWER
 - PROPOSED STORMWATER
 - PROPOSED DOMESTIC WATERLINE
 - PROPOSED GASLINE
 - PROPOSED CONCRETE/SIDEWALK
 - PROPOSED CONTOURS
 - PROPOSED TREELINE
 - PROPOSED UTILITY POLE
 - STEEP SLOPES (>15%)
 - INFILTRATION TEST PIT

SOILS LEGEND

ClA	- CLARKSBURG SILT LOAM, 0-3% SLOPES
ClB	- COMLY SILT LOAM, 3-8% SLOPES
DIB	- DUFFIELD SILT LOAM, 3-8% SLOPES
H1A	- HAGERSTOWN SILT LOAM, 3-8% SLOPES
H1B	- HAGERSTOWN SILT LOAM, 3-8% SLOPES
H1C	- HAGERSTOWN SILTY CLAY LOAM, 8-15% SLOPES
H1D	- HAGERSTOWN-ROCK OUTCROP COMPLEX, 3-8% SLOPES
No	- NOLIN VARIANT SILT LOAM
US	- URBAN LAND-HAGERSTOWN COMPLEX



REVISION	DATE	BY
LCPD COMMENTS - 1/30/24	2/8/24	JMK
ARRO COMMENTS - 1/18/24	3/11/24	JMK/EJC
NLTA COMMENTS - 1/16/24	3/11/24	JMK

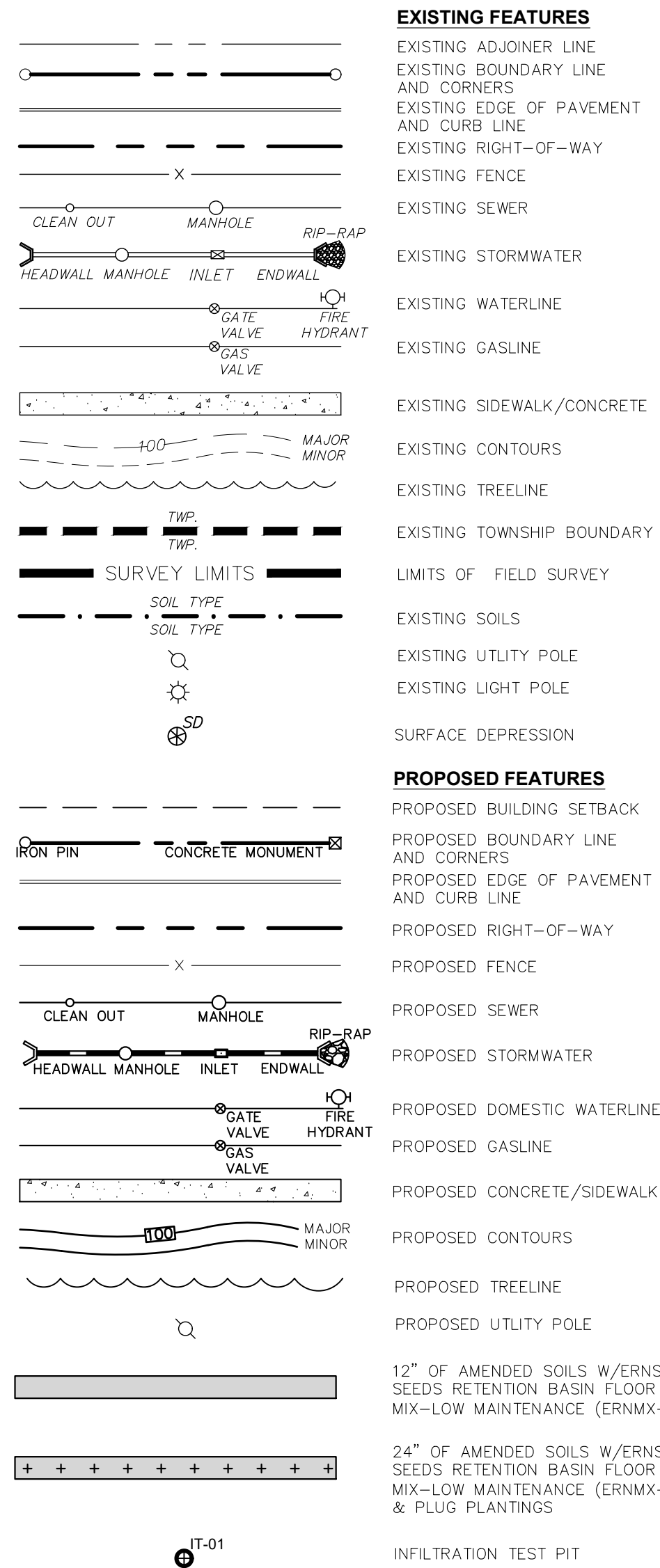
GRADING PLAN

PRELIMINARY/FINAL SUBDIVISION & LAND DEVELOPMENT PLAN
For
FLEXO-PACK USA, INC.
located in
North Lebanon Township
Lebanon County, Pennsylvania

RESI
Steinbeck Engineering & Surveying, Inc.
279 Lebanon, Pennsylvania 17042
Phone: (717) 272-7110
Fax: (717) 272-2548

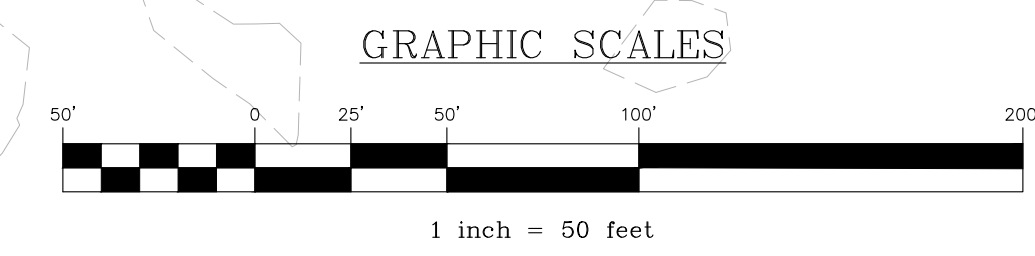
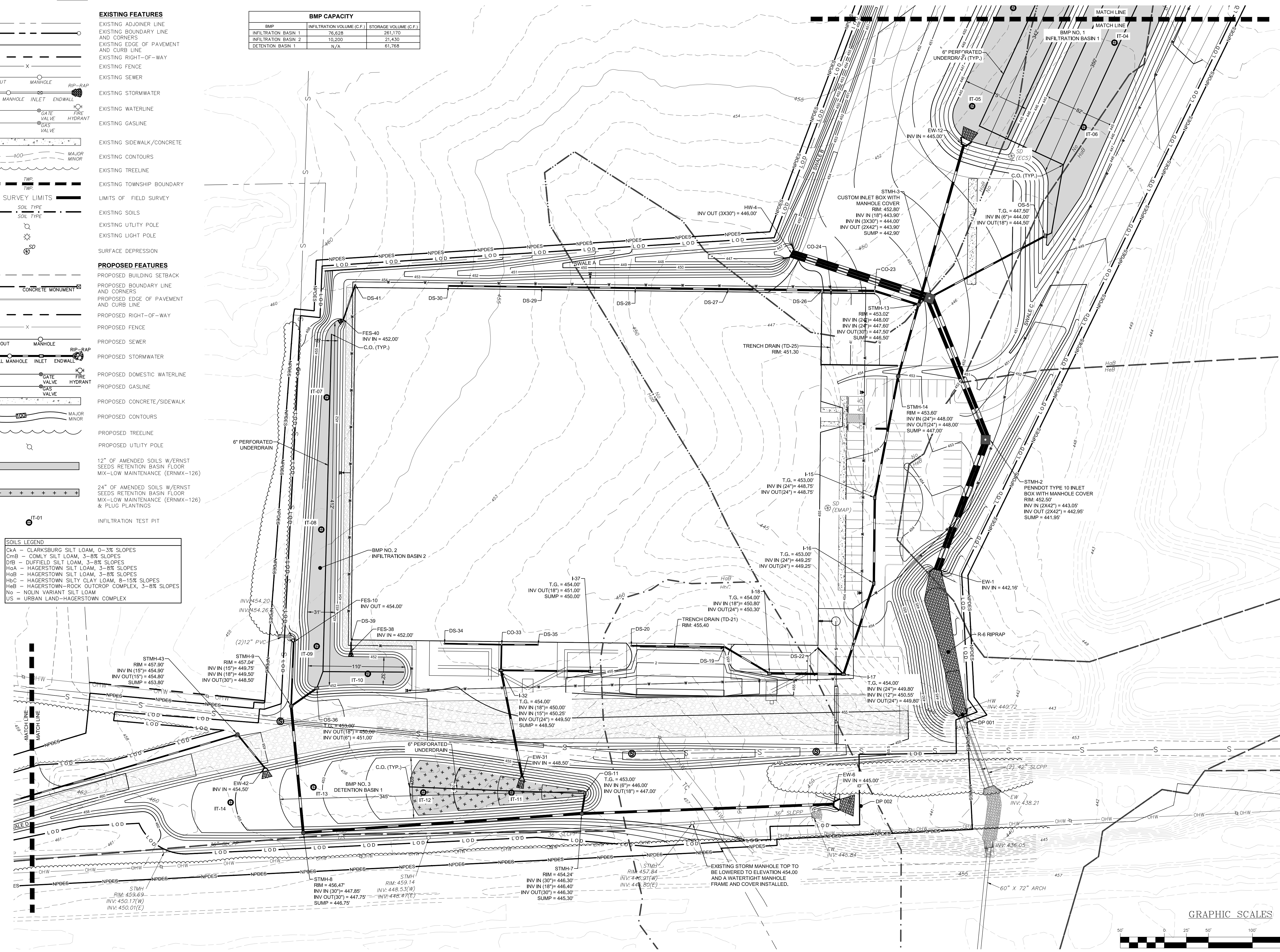
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BASE MAP:	DY
DRAWN:	ABK/JMK
DESIGN:	ABK/EJC
CHECKED:	ABK
DATE:	3/12/24
PROJECT #	132-23-007

LEGEND



BMP CAPACITY		
BMP	INFILTRATION VOLUME (C.F.)	STORAGE VOLUME (C.F.)
INFILTRATION BASIN 1	76,628	261,170
INFILTRATION BASIN 2	10,200	21,430
DETENTION BASIN 1	N/A	61,768

SOILS LEGEND	
CKA	CLARKSBURG SILT LOAM, 0-3% SLOPES
CMB	COMLY SILT LOAM, 3-8% SLOPES
DB	DUFFIELD SILT LOAM, 3-8% SLOPES
HA	HAGERSTOWN SILT LOAM, 3-8% SLOPES
HAa	HAGERSTOWN SILT LOAM, 3-8% SLOPES
HAb	HAGERSTOWN SILT LOAM, 3-8% SLOPES
HAc	HAGERSTOWN SILTY CLAY LOAM, 8-15% SLOPES
HAd	HAGERSTOWN-ROCK OUTCROP COMPLEX, 3-8% SLOPES
NO	NOLIN VARIANT SILT LOAM
US	URBAN LAND-HAGERSTOWN COMPLEX



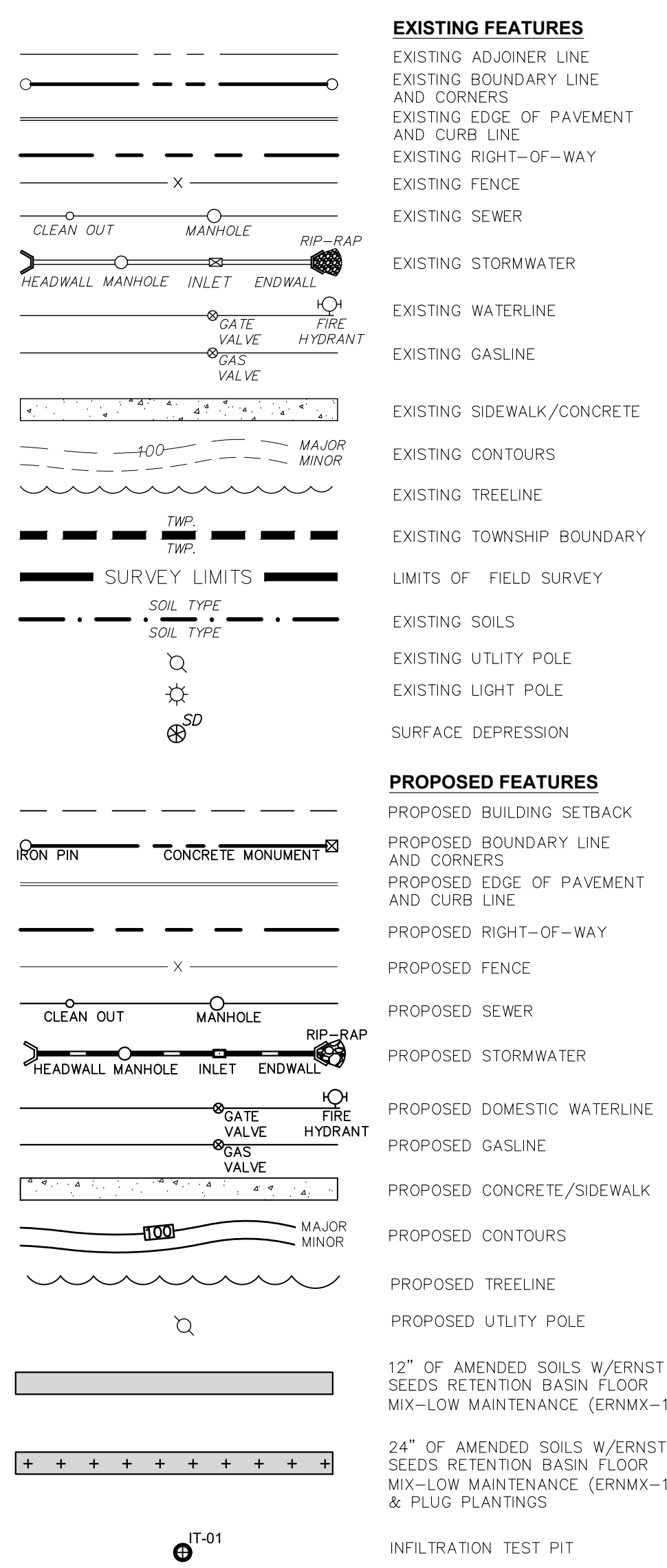
REVISION	DATE	BY
LCPD COMMENTS - 1/30/24	2/8/24	JMK
ARRO COMMENTS - 1/18/24	3/11/24	JMK/EJC
ULTWA COMMENTS - 1/18/24	3/11/24	JMK

POST CONSTRUCTION STORMWATER MANAGEMENT PLAN
PRELIMINARY/FINAL SUBDIVISION & LAND DEVELOPMENT PLAN
 for
FLEXO-PACK USA, INC.
 located in
 North Lebanon Township
 Lebanon County, Pennsylvania

Steebeck Engineering & Surveying Inc.
 279 North Zions Mill Road / Suite A
 Lebanon, Pennsylvania 17042
 Phone: (717) 272-7348
 Fax: (717) 272-7348

FIELD CREW:	SS/TB
BASE MAP:	DY
DRAWN:	ABK/JMK
DESIGN:	ABK/EJC
CHECKED:	ABK
DATE:	3/12/24
PROJECT #	132-23-007

LEGEND



KARST NOTES

THE PA DEP'S EMAP DOES IDENTIFY THREE (3) SURFACE DEPRESSIONS ON SITE AND VARIOUS OTHERS WITHIN THE IMMEDIATE VICINITY OF THE PROJECT. THE ENTIRE SITE IS UNDERLAIN BY THE ONTALAUNEE FORMATION WHICH IS COMPRISED OF DOLOMITE, LIMESTONE, AND CHERT. AS SUCH, THERE IS POTENTIAL FOR KARST ACTIVITY ON THE SITE. SHOULD A GEOTECHNICAL HAZARD BE ENCOUNTERED, THE COUNTY CONSERVATION DISTRICT WILL BE IMMEDIATELY CONTACTED, AND A CERTIFIED GEOTECHNICAL ADVISOR WILL BE REQUIRED TO OVERSEE MITIGATION OF THE HAZARDS.

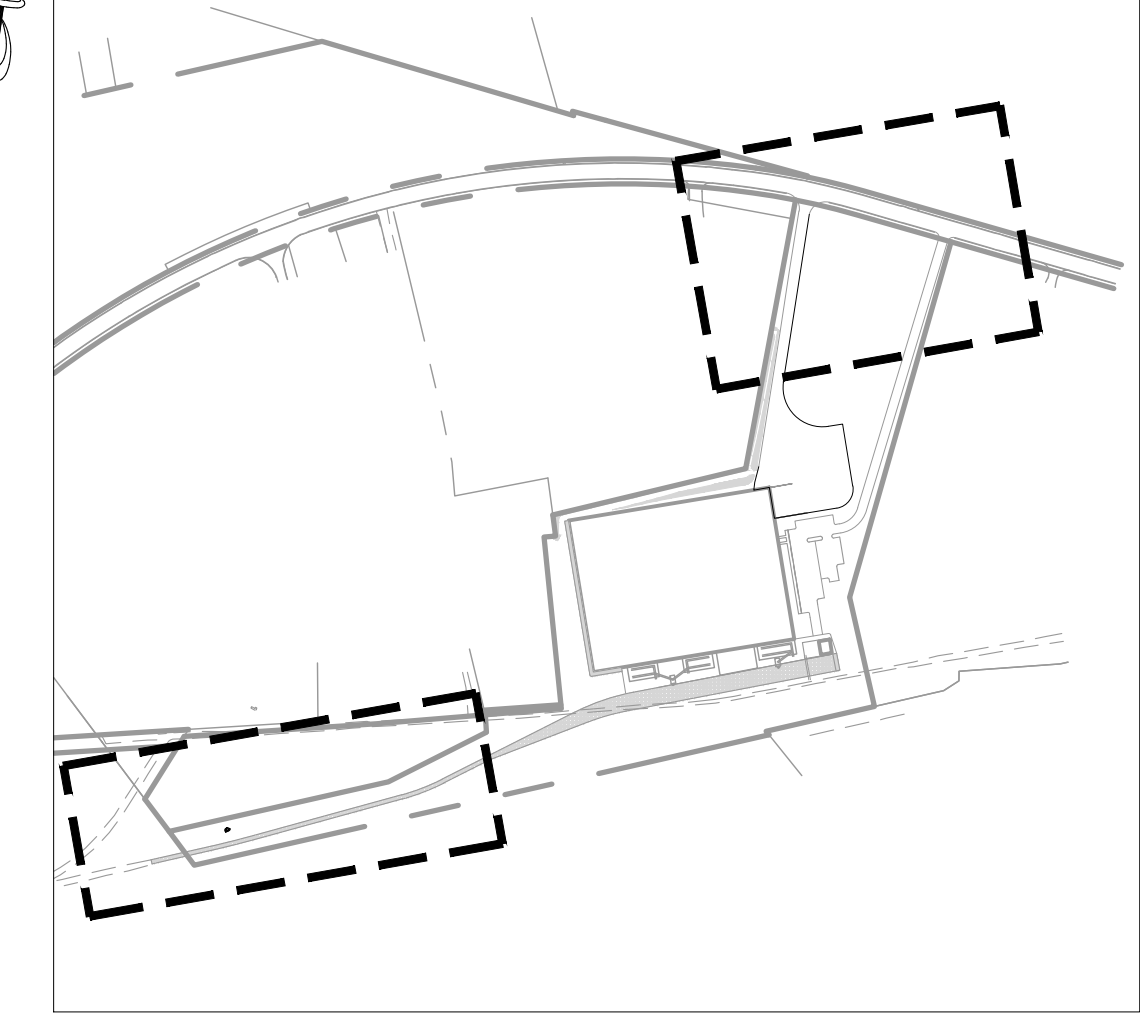
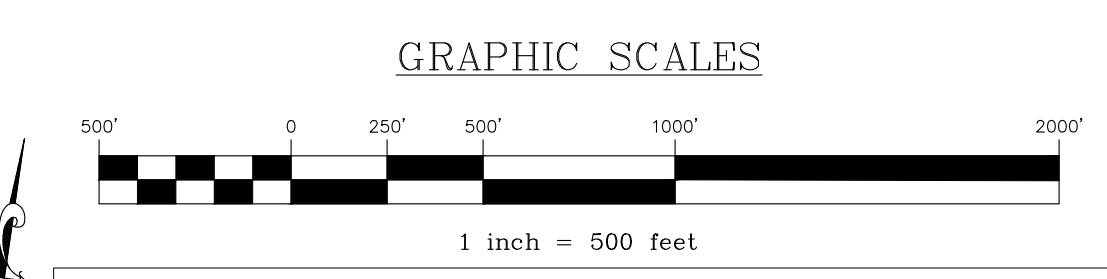
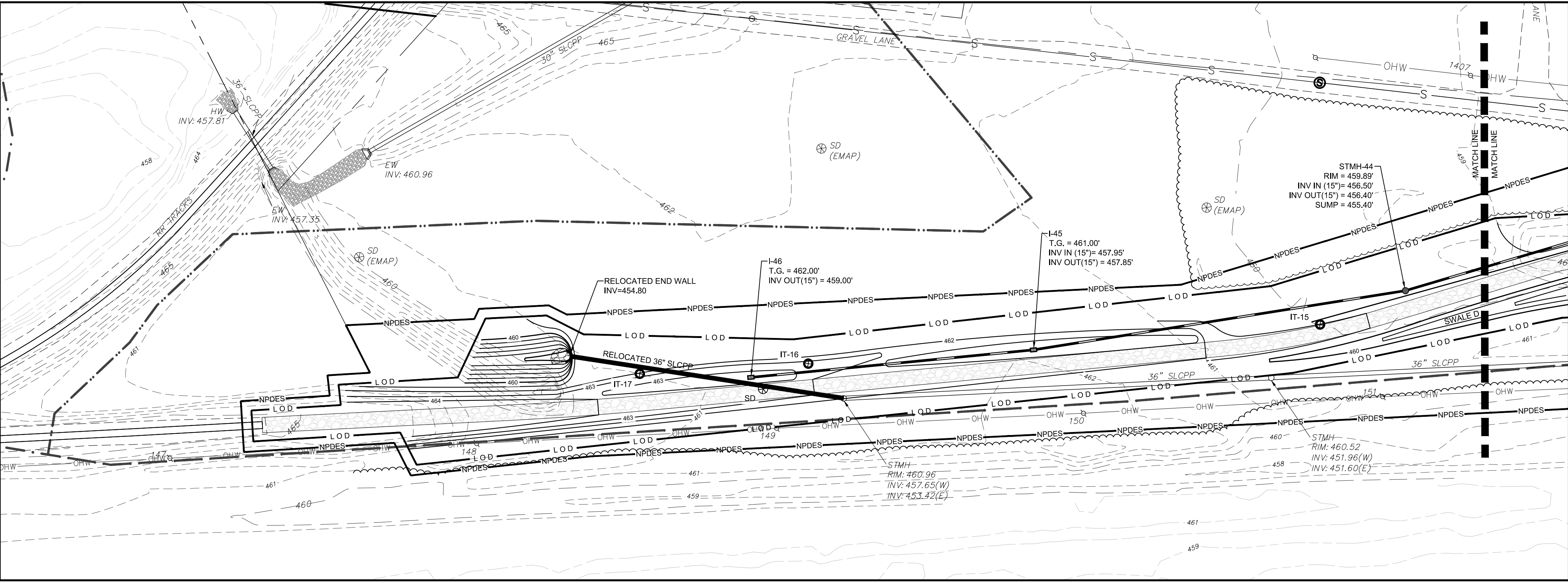
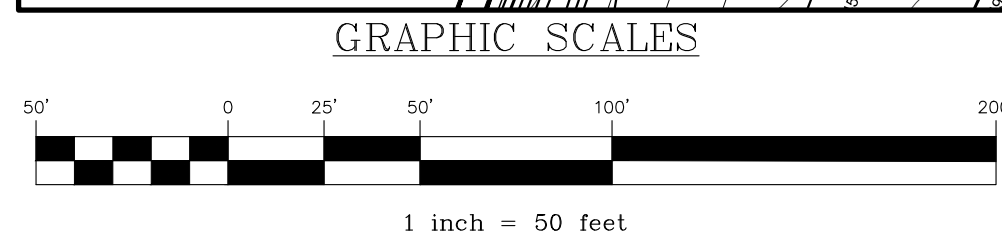
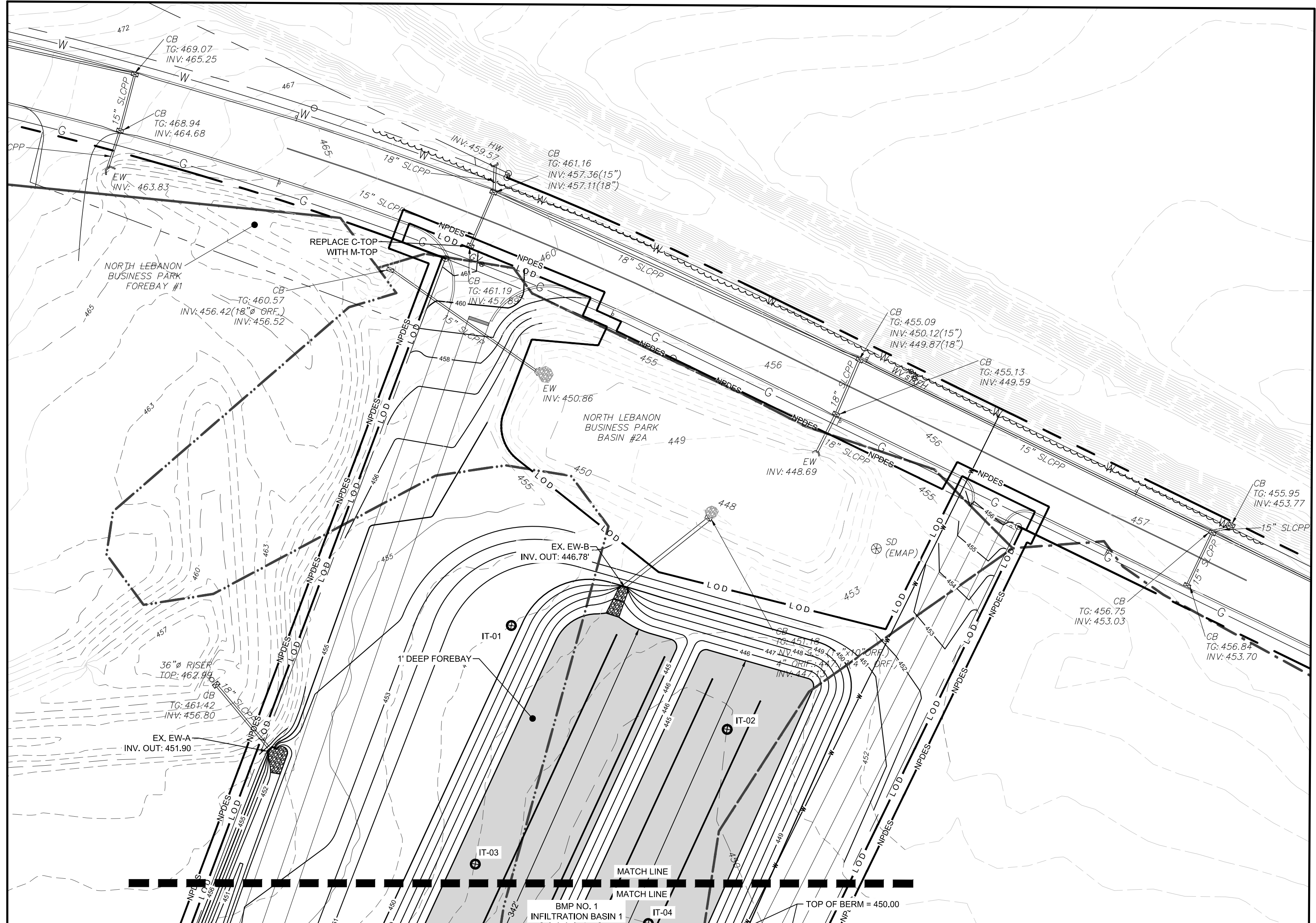
THE GEOTECHNICAL ENGINEERING REPORT FOR STORMWATER MANAGEMENT PREPARED BY ECS MID-ATLANTIC, LLC IDENTIFIES ONE EXISTING SURFICIAL DEPRESSION ON SITE THAT IS APPROXIMATELY 1' DEEP AND 4' ACROSS. IN ACCORDANCE WITH THE ECS RECOMMENDATIONS, THE EXISTING SURFACE DEPRESSION WILL BE EXPLORED WITH A TEST PIT UNDER THE SUPERVISION OF ECS PRIOR TO CONSTRUCTION AT THE SITE IN ORDER TO DETERMINE IF POTENTIAL REPAIRS ARE NECESSARY.

IN ORDER TO REDUCE THE RATE OF SINKHOLE DEVELOPMENT AND IN KEEPING WITH THE GUIDELINES AND RECOMMENDATIONS OF THE PA BMP MANUAL, ECS RECOMMENDS THAT THE FOLLOWING DESIGN PRINCIPLES BE INCORPORATED:

- USE EXISTING DRAINAGE PATTERNS
- THE EXISTING SITE IS LOCATED WITHIN A LARGE BOWL SUCH THAT DRAINAGE ENTERS THE SITE FROM ALL DIRECTIONS. THE MAIN INFILTRATION BASIN ON THE SITE IS LOCATED WITHIN AN EXISTING BROAD DRAINAGE WAY.
- KEEP STORMWATER AWAY FROM KNOWN SINKHOLES OR PROBLEMATIC SUBSIDENCE AREAS.
- THERE ARE NO KNOWN SINKHOLES ON SITE.
- AVOID CONCENTRATING STORMWATER.
- RUNOFF WILL BE NATURALLY CONCENTRATED IN THE PROPOSED BASINS WHICH ARE DESIGNED IN ACCORDANCE WITH THE BELOW PRINCIPLES TO REDUCE THE RISK OF SINKHOLE FORMATIONS. BYPASS FLOWS WILL UTILIZE WATER TIGHT PIPING.
- REDUCE RUNOFF VOLUME AND VELOCITY.
- ON-SITE RUNOFF VOLUME WILL BE REDUCED IN ACCORDANCE WITH TOWNSHIP AND CHAPTER 102 REQUIREMENTS.
- USE BROAD SHALLOW BASINS.
- INFILTRATION BASIN 1 HAS A MAXIMUM PONDING DEPTH OF LESS THAN 3' AND INFILTRATION BASIN 2 HAS A MAXIMUM PONDING DEPTH OF LESS THAN 1'.
- MAINTAIN THE FACILITIES POST CONSTRUCTION.
- POST-CONSTRUCTION STORMWATER MANAGEMENT FACILITIES WILL BE MAINTAINED IN ACCORDANCE WITH THE OPERATION AND MAINTENANCE AGREEMENT REQUIRED BY THE TOWNSHIP AND RECORDED WITH THE PLAN.
- PROVIDE UNDERDRAINS OR OTHER MEANS FOR DEWATERING IN STORMWATER MANAGEMENT FACILITIES IF NEEDED.
- UNDERDRAINS ARE PROVIDED FOR ALL BASINS.

SCHEDULE OF MUNICIPAL INSPECTIONS

- A. THE TOWNSHIP ENGINEER SHALL INSPECT ALL PHASES OF CONSTRUCTION OF THE STORMWATER MANAGEMENT IMPROVEMENTS. INSPECTIONS SHALL INCLUDE THE FOLLOWING:
- STORM SEWER PIPE TRENCHING AND INSTALLATION
 - SWALE EXCAVATION AND INSTALLATION
 - INFILTRATION BASINS 1-2 & DETENTION BASIN 1
 - ROUGH GRADING
 - EXCAVATION TO SUBGRADE
 - UNDERDRAIN SYSTEM INSTALLATION
 - AMENDED SOIL INSTALLATION
 - OUTLET STRUCTURE AND OUTLET PIPE INSTALLATION (INCLUDING ANTI-SEEP COLLARS AND CLAY CORE)
 - FINAL SITE STABILIZATION
- B. DURING ANY STAGE OF THE WORK, IF THE TOWNSHIP ENGINEER DETERMINES THAT THE SWM BMP'S ARE NOT BEING INSTALLED IN ACCORDANCE WITH THE APPROVED SWM SITE PLAN, NORTH LEBANON TOWNSHIP SHALL PROVIDE WRITTEN NOTIFICATION TO THE LAND OWNER AND/OR DEVELOPER AND THE STIPULATING THE DEFICIENCIES AND REQUIRE THAT THE DEFICIENCIES BE CORRECTED WITHIN 30 DAYS (OR LONGER AS MAY BE REQUIRED). IF THE DEFICIENCIES ARE NOT CORRECTED WITHIN THE SPECIFIED PERIOD OF TIME, NORTH LEBANON TOWNSHIP MAY:
1. REVOKE ANY EXISTING PERMITS UNTIL SUCH DEFICIENCIES ARE CORRECTED TO THE SATISFACTION OF THE TOWNSHIP ENGINEER.
 2. UTILIZE FINANCIAL SECURITY POSTED BY THE OWNER AND/OR DEVELOPER AS PART OF THE DEVELOPER'S IMPROVEMENT GUARANTEE AGREEMENT TO INSTALL ANY UNFINISHED FACILITIES OR REMEDY ANY IMPROPERLY CONSTRUCTED FACILITIES.
 3. PURSUE OTHER LEGAL REMEDIES PURSUANT TO ARTICLE XI OF THIS ORDINANCE.
 4. AFTER RECEIPT OF THE CERTIFICATE OF COMPLETION LETTER AND AS-BUILT PLAN BY NORTH LEBANON TOWNSHIP, A FINAL INSPECTION SHALL BE CONDUCTED BY THE TOWNSHIP ENGINEER OR DESIGNATED REPRESENTATIVE TO CERTIFY COMPLIANCE WITH THIS ORDINANCE.
- C. SWM BMP'S SHOULD BE INSPECTED BY THE LANDOWNER, OR THE OWNER'S DESIGNEE (INCLUDING THE TOWNSHIP FOR DEDICATED AND OWNED FACILITIES), ACCORDING TO THE FOLLOWING LIST OF MINIMUM FREQUENCIES:
1. ANNUALLY FOR THE FIRST FIVE (5) YEARS FOLLOWING CONSTRUCTION.
 2. ONCE EVERY THREE (3) YEARS THEREAFTER.
 3. DURING OR IMMEDIATELY FOLLOWING A 10-YEAR OR GREATER STORM. THE 10-YEAR STORM IS 4.6 INCHES OF RAINFALL IN A 24-HOUR PERIOD.



REVISION	DATE	BY
LCPD COMMENTS - 1/30/24	2/8/24	JMK
ARRO COMMENTS - 1/18/24	3/11/24	AMK/EJG
NLMA COMMENTS - 1/16/24	3/11/24	JMK

POST CONSTRUCTION STORMWATER MANAGEMENT PLAN

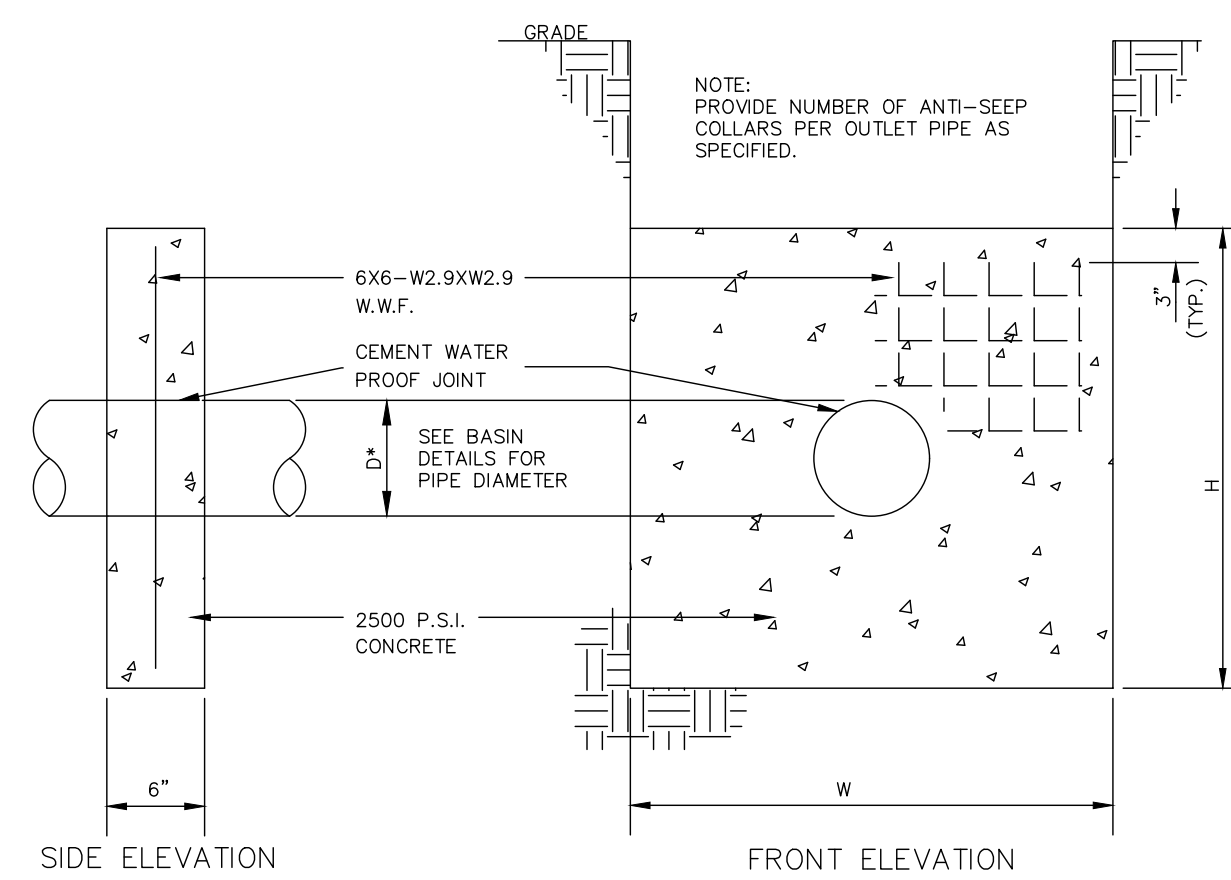
PRELIMINARY/FINAL SUBDIVISION & LAND DEVELOPMENT PLAN

FLEXO-PACK USA, INC.

North Lebanon Township
Lebanon County, Pennsylvania

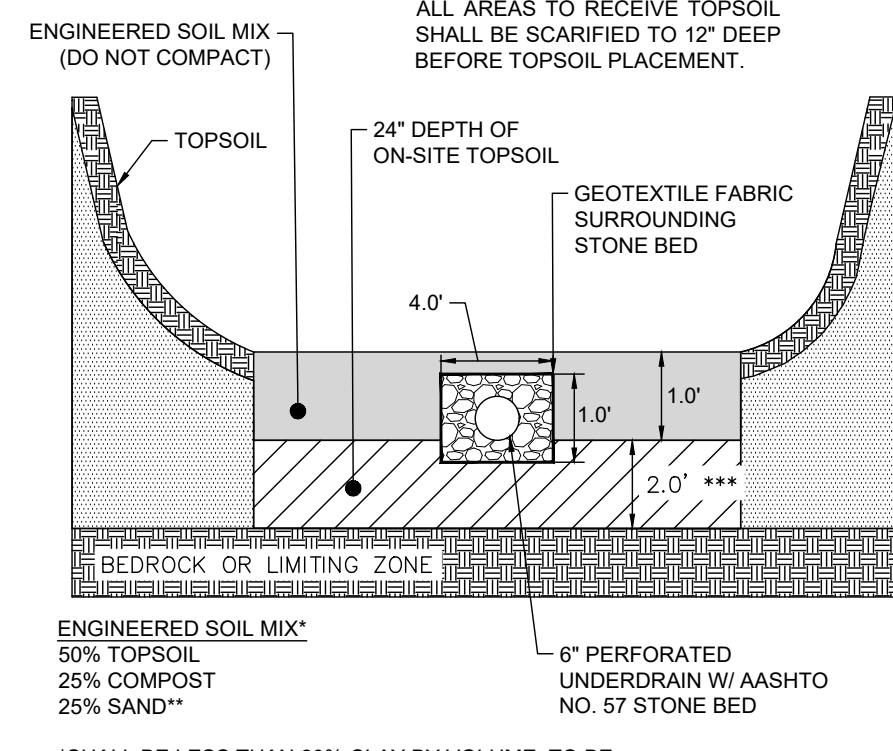
Steebeck Engineering & Surveying, Inc.
279 Lebanon, Pennsylvania 17042
Phone: (717) 272-7110
Fax: (717) 272-2548

FIELD CREW:	SS/TB
BASE MAP:	DY
DRAWN:	ABK/JMK
DESIGN:	ABK/EJG
CHECKED:	ABK
DATE:	3/12/24



BASIN	W	H	DIA.	# OF COLLARS
IB1	5.45'	4.78'	18"	2
IB2	5.32'	4.65'	18"	2
DB1	11.31'	10.64'	18"	1

CONCRETE ANTI-SEEP COLLAR DETAIL
NO SCALE



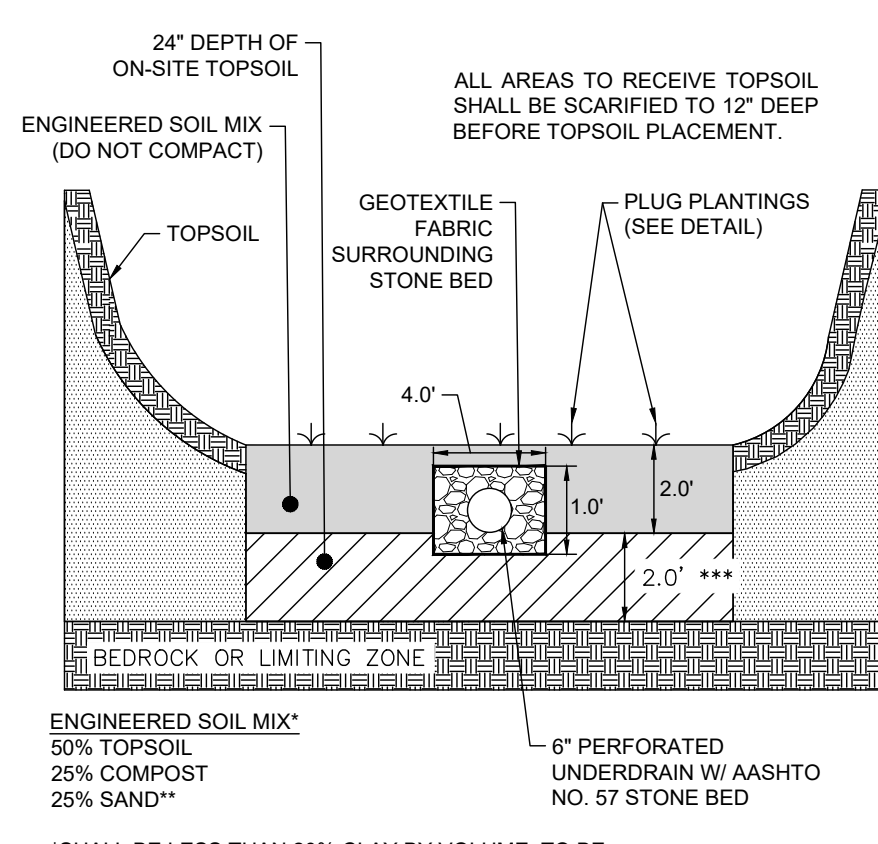
ENGINEERED SOIL MIX*
50% TOPSOIL
25% COMPOST
25% SAND**

*SHALL BE LESS THAN 20% CLAY BY VOLUME, TO BE VERIFIED BY GEOTECHNICAL ENGINEER.

**SAND USED IN ENGINEERED SOILS SHALL BE SILICA SAND MEETING THE SPECIFICATIONS IDENTIFIED IN AASHTO M-6 OR ASTM C-33 FOR SILICA CONCRETE SAND. CALCIUM CARBONATE, MAGNESIUM CARBONATE, AND/OR DIABASE SUBSTITUTIONS ARE NOT ACCEPTABLE. NEITHER STONE DUST NOR #10 SCREENINGS MAY BE SUBSTITUTED FOR SAND.

***OVEREXCAVATE AND REPLACE 24" BELOW AMENDED SOILS WITH ON-SITE TOPSOIL TO ENSURE LIMITING ZONE DISTANCE IS MET.

INFILTRATION BASIN BOTTOM
TYPICAL CROSS SECTION DETAIL
NO SCALE



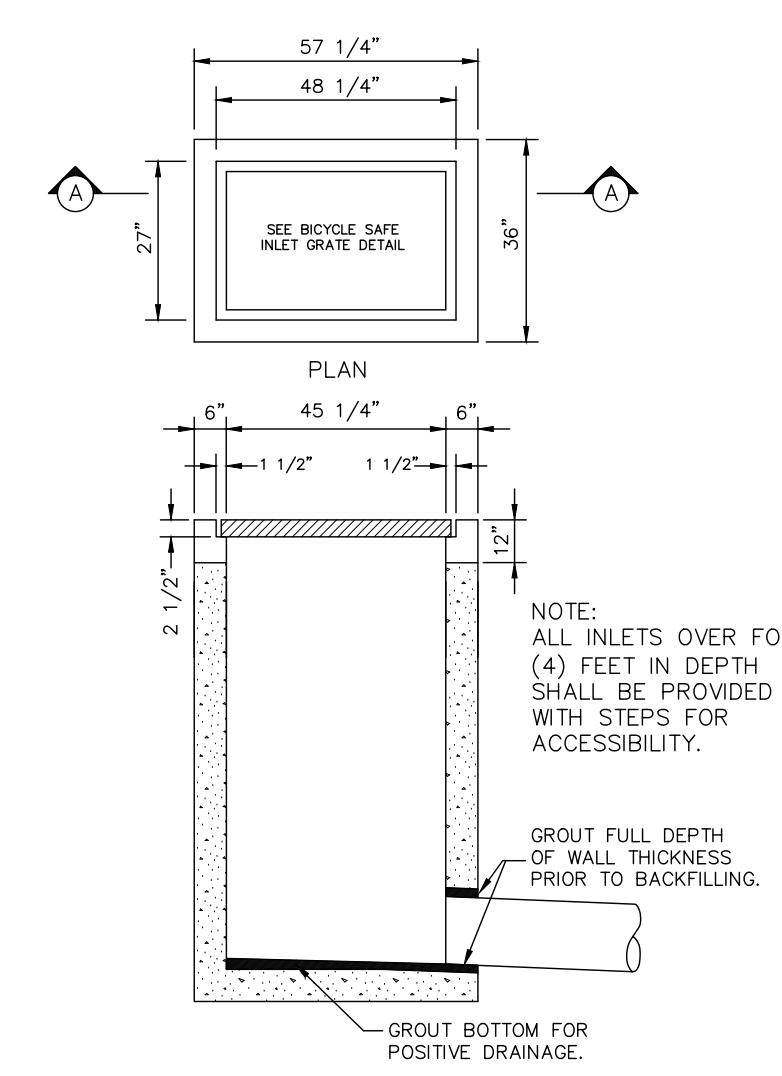
ENGINEERED SOIL MIX*
50% TOPSOIL
25% COMPOST
25% SAND**

*SHALL BE LESS THAN 20% CLAY BY VOLUME, TO BE VERIFIED BY GEOTECHNICAL ENGINEER.

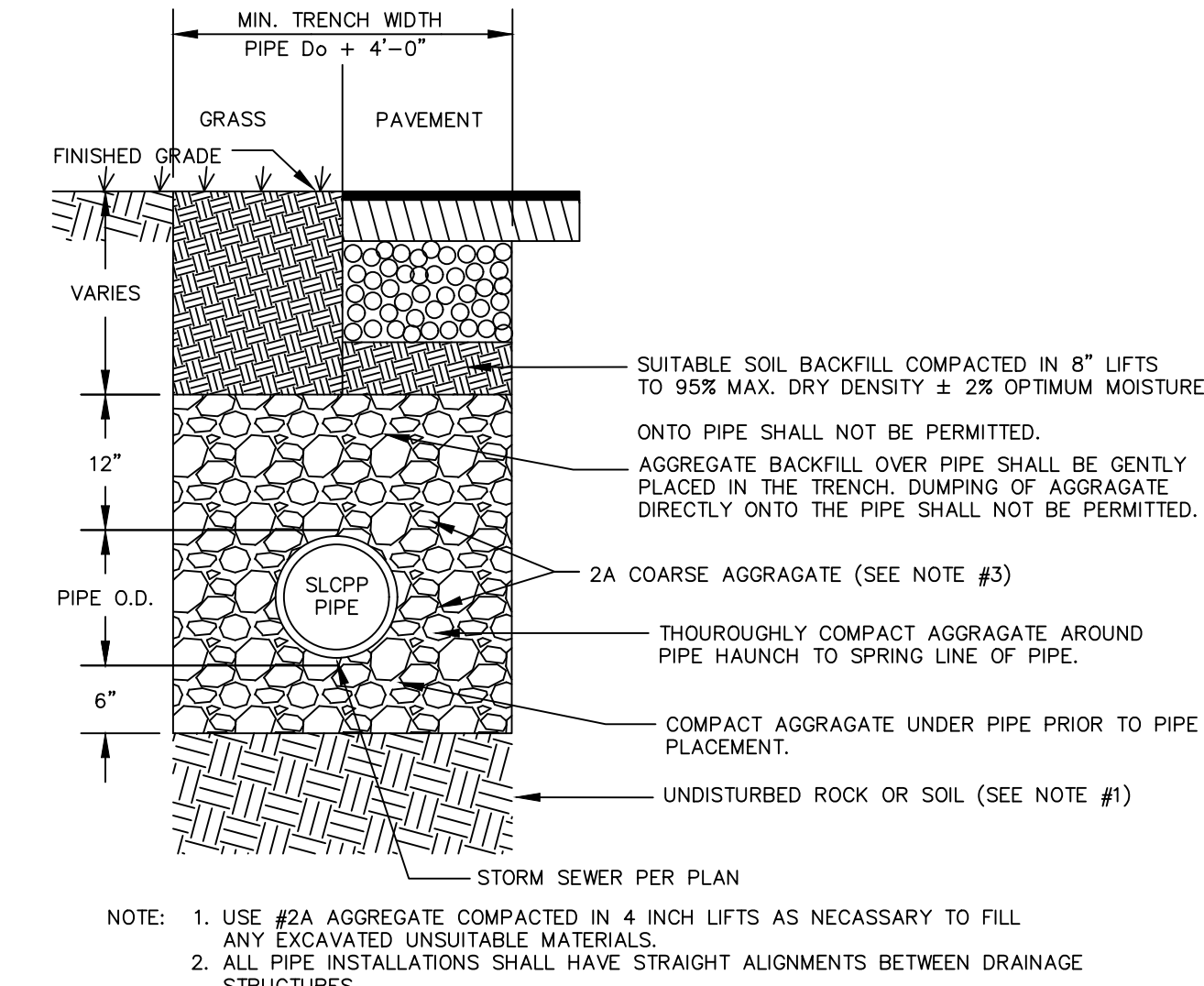
**SAND USED IN ENGINEERED SOILS SHALL BE SILICA SAND MEETING THE SPECIFICATIONS IDENTIFIED IN AASHTO M-6 OR ASTM C-33 FOR SILICA CONCRETE SAND. CALCIUM CARBONATE, MAGNESIUM CARBONATE, AND/OR DIABASE SUBSTITUTIONS ARE NOT ACCEPTABLE. NEITHER STONE DUST NOR #10 SCREENINGS MAY BE SUBSTITUTED FOR SAND.

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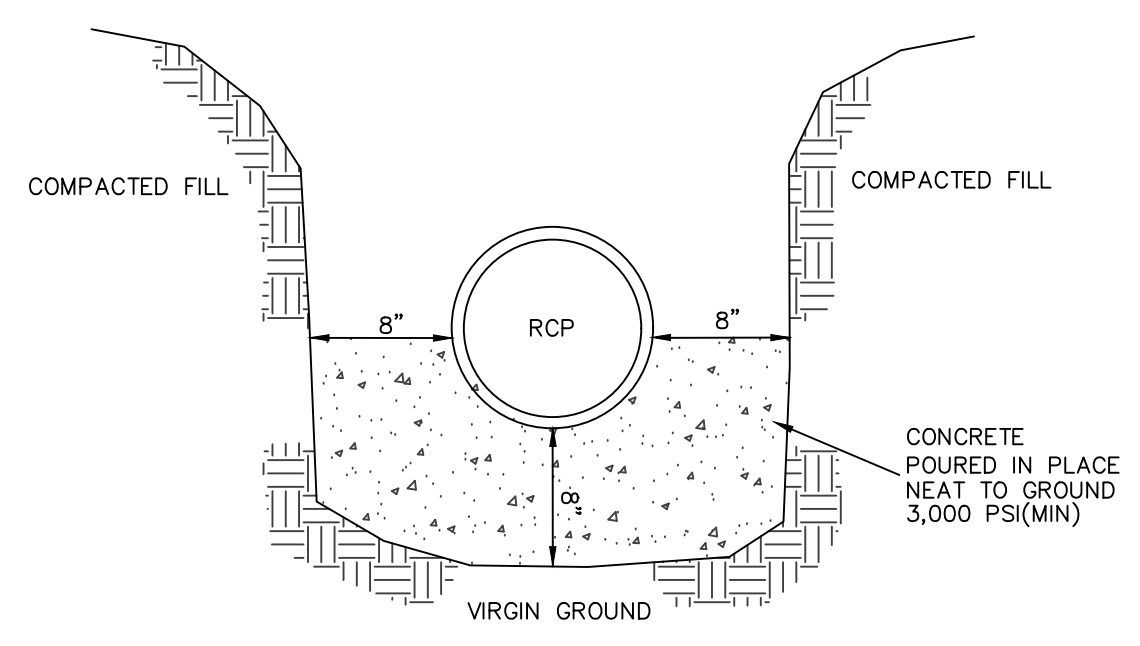
DETENTION BASIN BOTTOM
TYPICAL CROSS SECTION DETAIL
NO SCALE



TYPE M INLET DETAIL (RC-45M)
NO SCALE

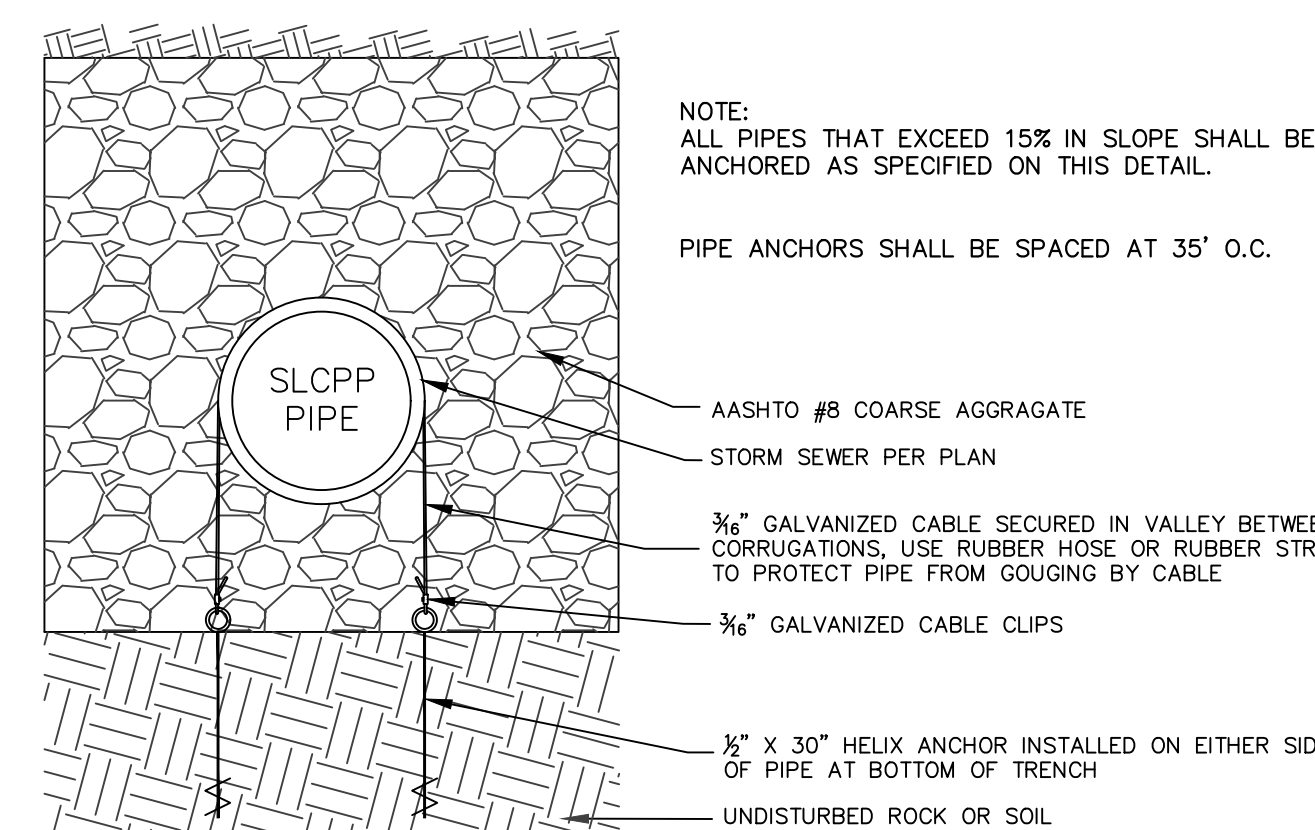


TYPICAL TRENCH DETAIL FOR SLCPP INSTALLATION
NO SCALE

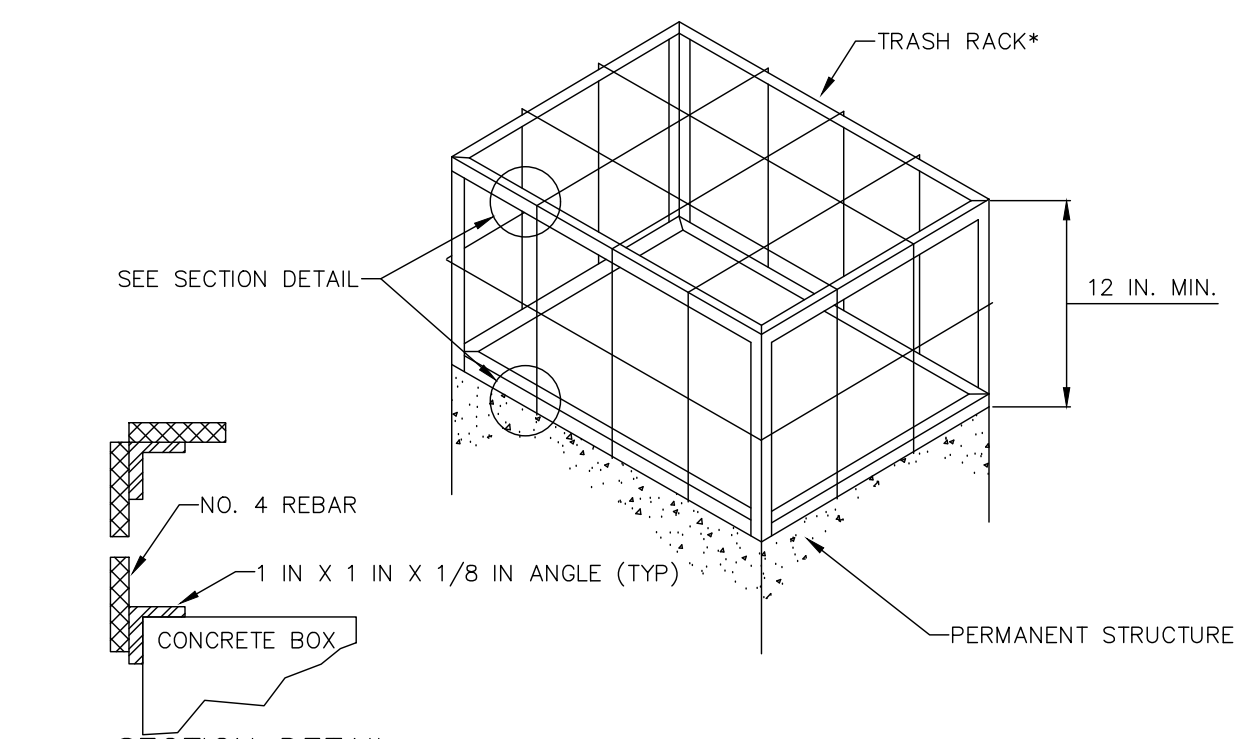


NOTES:
1. A CONCRETE CRADLE MAY BE USED IN CONJUNCTION WITH ANTI-SEEP COLLARS AND/OR FILTER DIAPHRAGM.
2. ANTI-SEEP COLLAR NUMBER, SIZE AND SPACING SHALL BE AS SHOWN ELSEWHERE IN PLAN.
3. THE CONCRETE CRADLE SHALL RUN ALONG THE ENTIRE LENGTH OF THE PIPE.

CONCRETE CRADLE DETAIL
NO SCALE

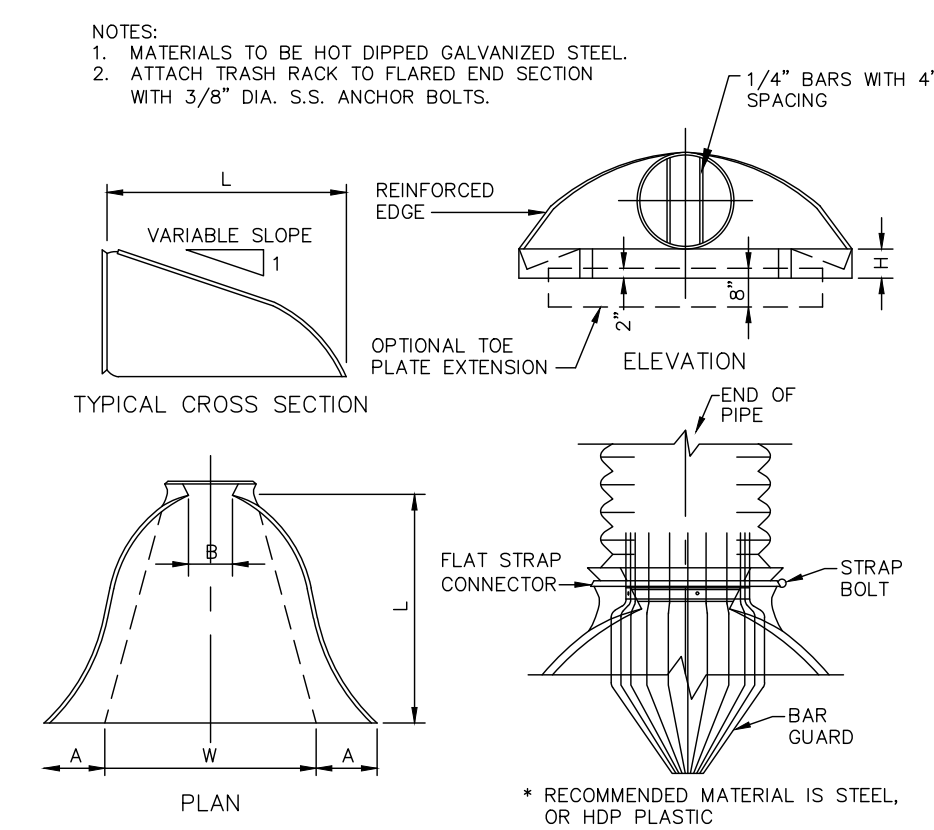


TYPICAL STEEP SLOPE PIPE ANCHOR ASSEMBLY
NO SCALE

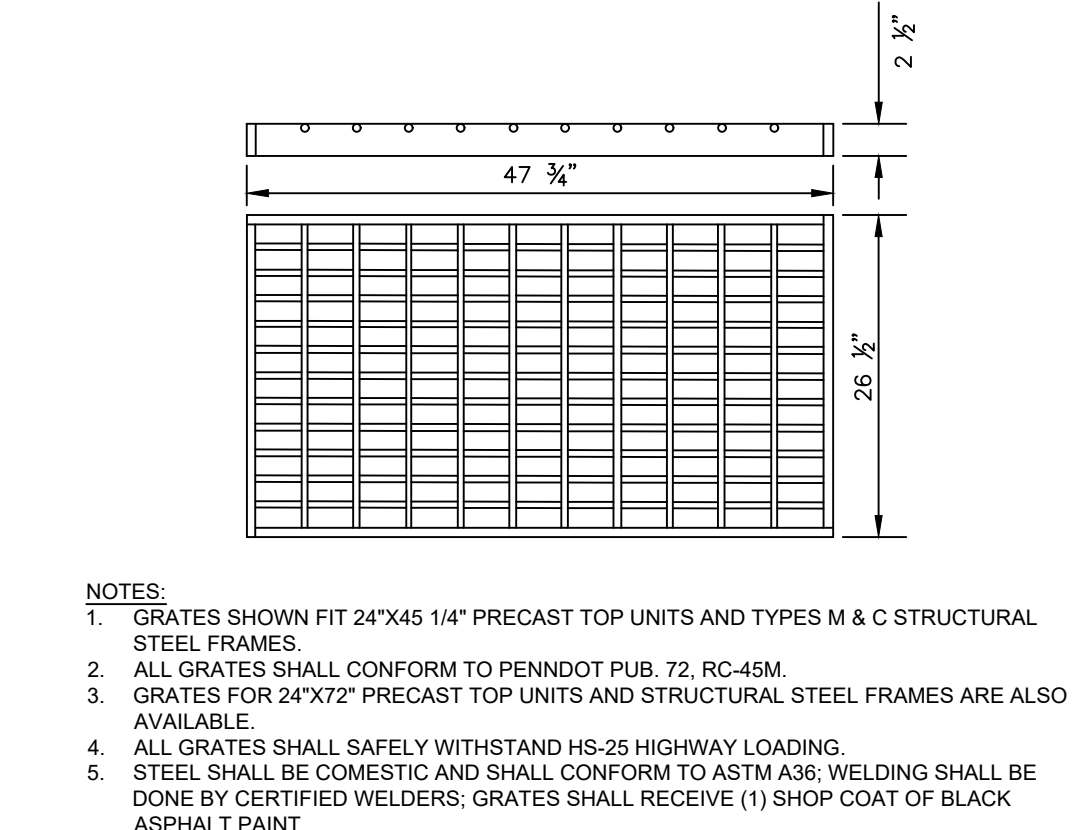


NOTES:
ALL JOINTS SHALL BE WATER TIGHT.
CLOGGED OR DAMAGED SPILLWAYS SHALL BE REPAIRED IMMEDIATELY. TRASH AND OTHER DEBRIS SHALL BE REMOVED FROM THE BASIN AND RISER.
TRASH RACK MAY BE REMOVED AFTER CONVERSION FROM SEDIMENT BASIN TO PERMANENT STORMWATER BASIN.

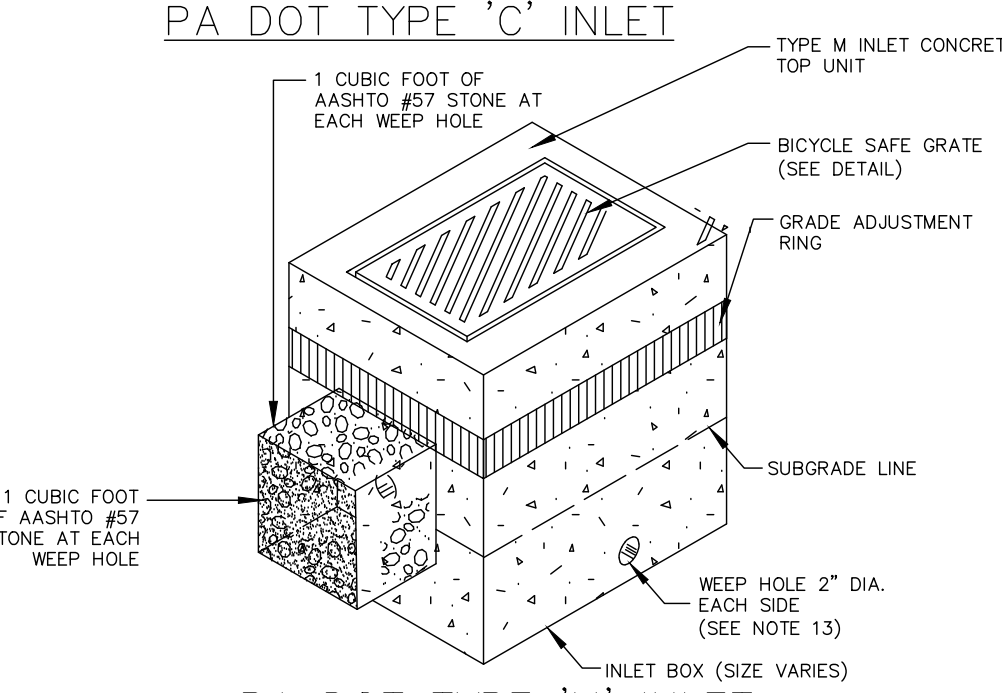
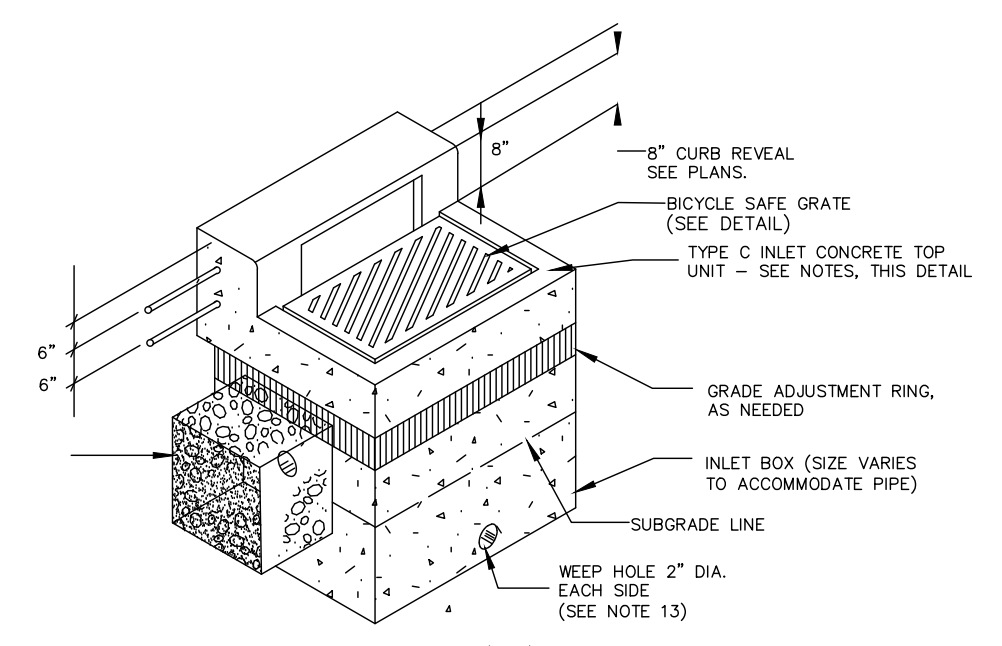
TRASH RACK FOR PERMANENT STRUCTURE DETAIL
NO SCALE



FLARED END SECTION DETAIL
NO SCALE



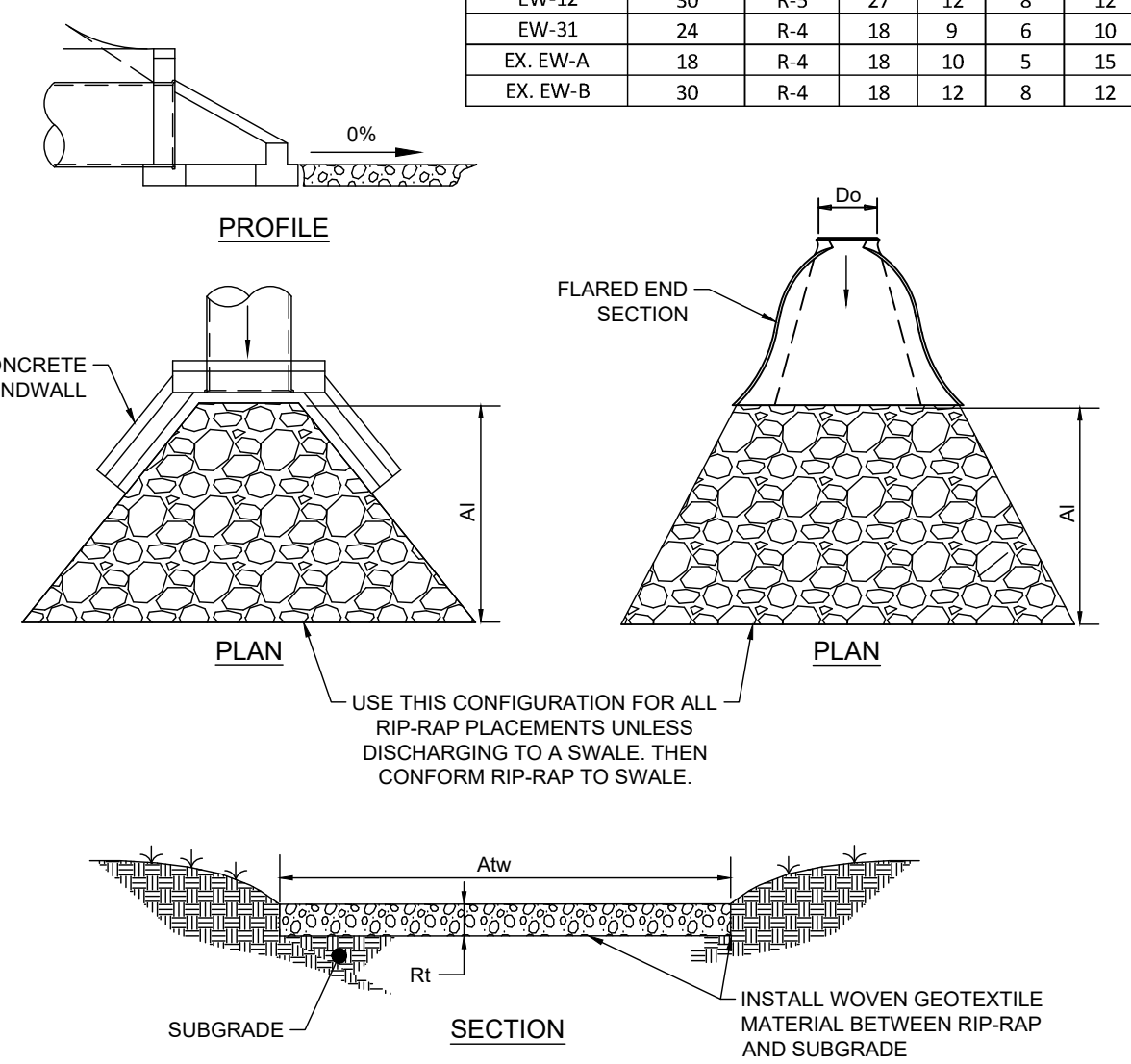
STRUCTURAL STEEL GRATE-BICYCLE SAFE
NO SCALE



PADOT STORMWATER INLETS (TYPE C & M)
NO SCALE

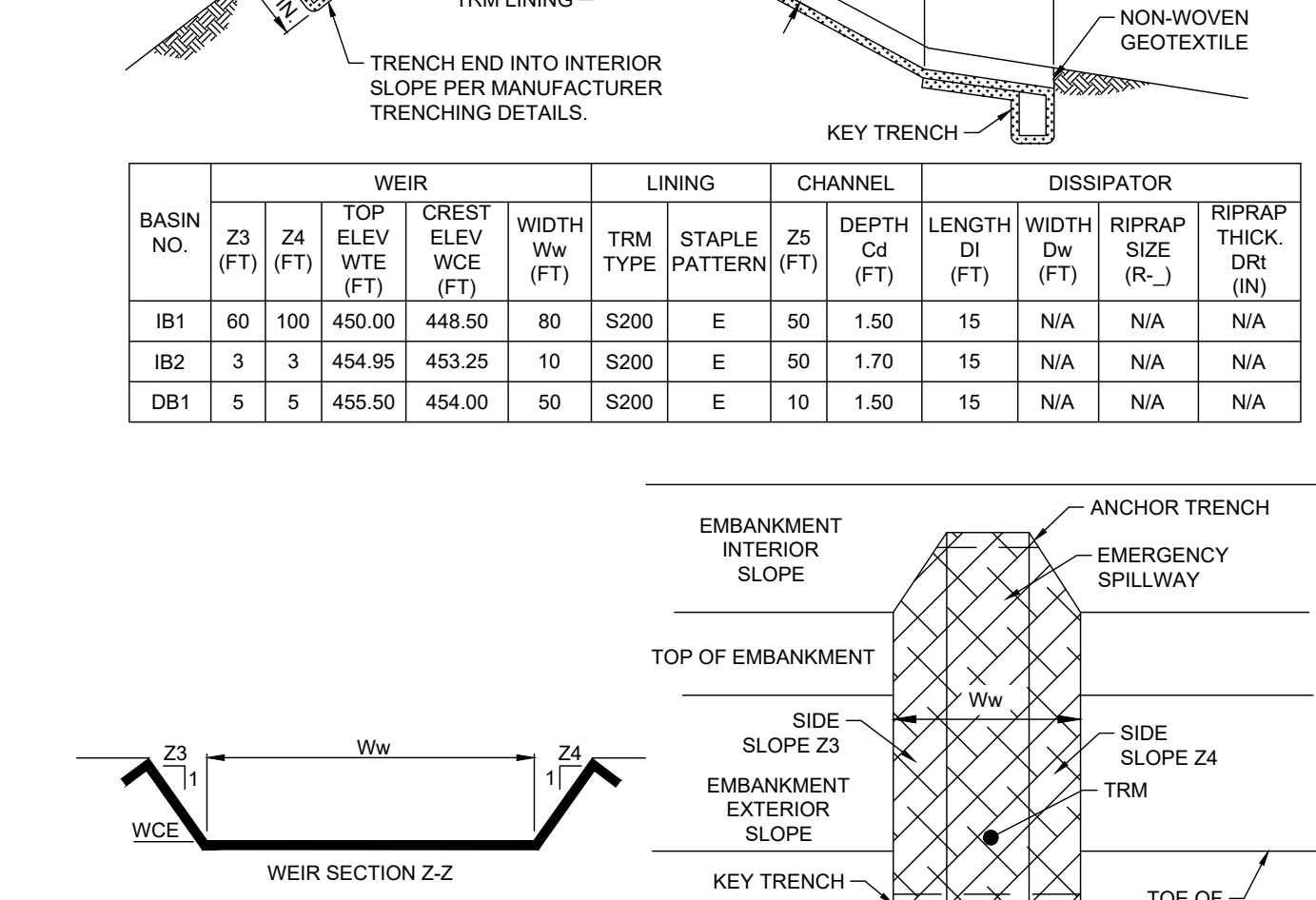
INLET NOTES:

- CONCRETE TOP UNITS WHICH SEAT THE GRATE DIRECTLY WITHIN THE UNIT SHALL UTILIZE 1-1/4" X 1-1/4" ANGLES EMBEDDED IN THE CONCRETE AS A BEARING AREA FOR THE GRATE.
- THIS STANDARD DEPICTS THE SHAPE AND DIMENSIONS REQUIRED FOR UNIFORMITY AND COMPATIBILITY. IT IS NOT INTENDED TO SHOW THE DETAILS REQUIRED FOR MANUFACTURING AND HANDLING. ONLY THOSE ITEMS WHICH ARE SUPPLIED BY AN APPROVED MANUFACTURER AS LISTED IN PA BULLETIN NO. 15 WILL BE PERMITTED.
- WHENEVER AN INLET IS REQUIRED WITHIN A MOUNTABLE CURB SECTION, A TYPE M INLET WILL BE LOCATED ADJACENT TO THE BACK EDGE OF THE CURB AND WILL BE FLUSH WITH THE PAVEMENT SURFACE. SEE PA DOT RC-65 FOR INSTALLATION DETAILS.
- THE SELECTION OF COMPONENTS TO ACHIEVE A SPECIFIED INLET TYPE IS THE CONTRACTOR'S RESPONSIBILITY.
- PIPES SHALL BE LOCATED AS REQUIRED.
- ALL INLETS OVER FOUR (4) FEET IN DEPTH SHALL BE PROVIDED WITH STEPS FOR ACCESSIBILITY.
- GRADE ADJUSTMENT RINGS MAY BE OF MASONRY OR PRECAST CONCRETE CONSTRUCTION, AS APPROVED.
- INLET BOX SHALL BE PRECAST CONCRETE.
- REFER TO PA DOT BUREAU OF DESIGN STANDARDS RC-45M.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH PADOT PUBLICATION 408, SECTION 605 & STANDARDS FOR ROADWAY CONSTRUCTION, RC-45M. CONTRACTOR SHALL VERIFY INLET BOX SIZING BASED ON PIPE SIZES AND ALIGNMENT PRIOR TO ORDERING PRECAST STRUCTURES.
- ALL DRAINAGE STRUCTURES SHALL HAVE POURED-IN-PLACE CONCRETE CHANNEL BOTTOM, UNLESS OTHERWISE NOTED.
- ALL STORMWATER INLET BOXES, CONCRETE TOP UNITS, AND INLET GRATES AND FRAMES SHALL CONFORM TO CURRENT PENNDOT RC-45M STANDARDS.
- ALL INLETS SHALL BE CONSTRUCTED WITH CONCRETE FLOW CHANNELS CAST IN-PLACE IN THE BOTTOM OF EACH INLET, EXCEPT THE LAST TWO INLETS BEFORE A STORM SEWER OUTFALL SHALL BE CONSTRUCTED WITH A MINIMUM 12" SLUMP TO CATCH DEBRIS. INLET SUMPS SHALL HAVE WEEPHOLES.

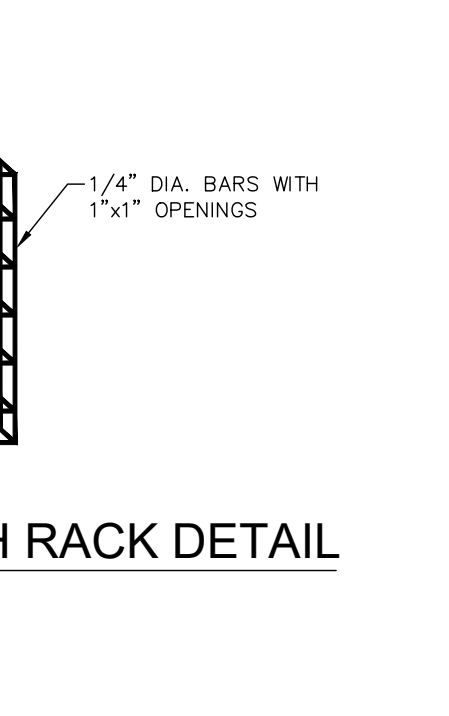


FLARED END SECTION/ENDWALL RIP RAP DETAIL
NO SCALE

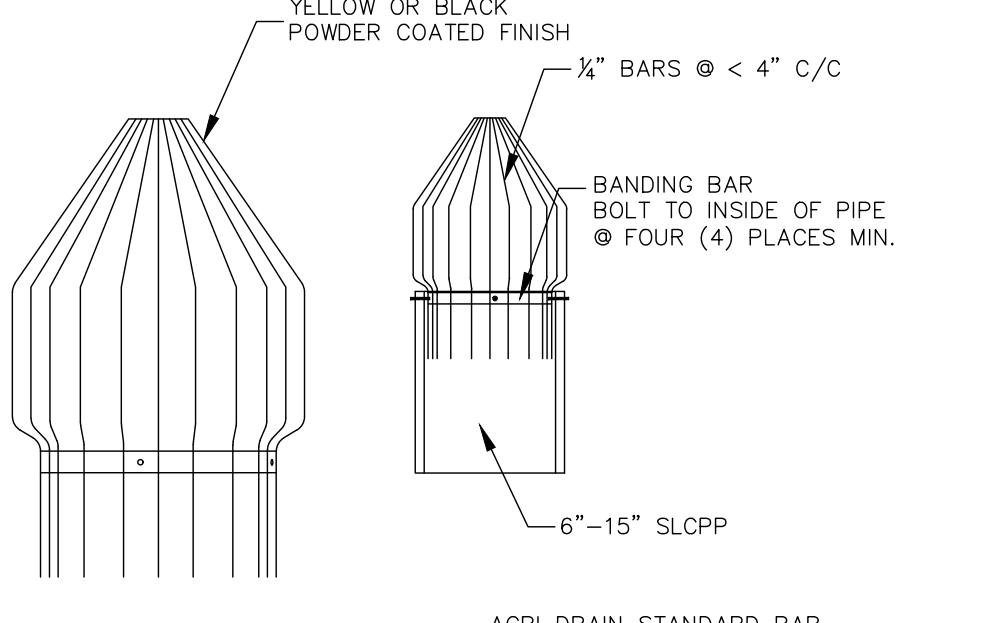
PIPE NO.	PIPE DIA. Do (in.)	RIPRAP SIZE	Rt (in)	Al (ft)	Alw (ft)	Atw (ft)
EW-6	30	R-4	18	16	8	24
EW-1(2b)	42	R-6	36	22	21	43
EW-42	15	R-4	18	8	4	12
FES-38	12	R-5	27	4	3	5
FES-40	12	R-4	18	4	3	5
EW-12	30	R-5	27	12	8	12
EW-31	24	R-4	18	9	6	10
EX EW-A	18	R-4	18	10	5	15
EX EW-B	30	R-4	18	12	8	12



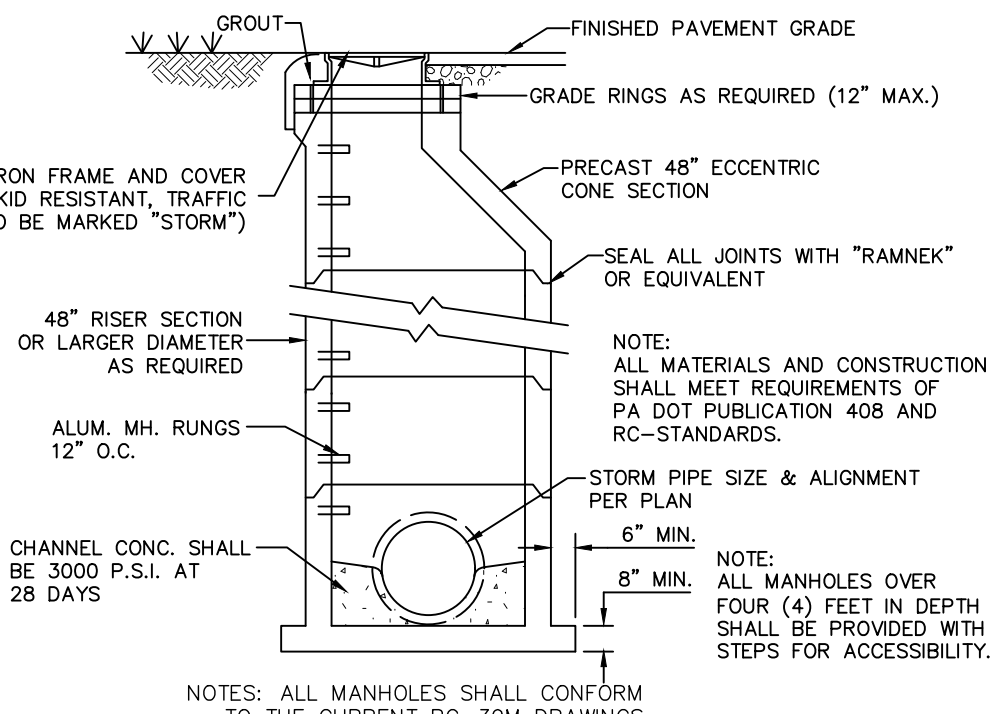
BASIN EMERGENCY SPILLWAY DETAIL
NO SCALE



STORM INLET TRASH RACK DETAIL
NO SCALE



BAR GUARD DETAIL
NO SCALE

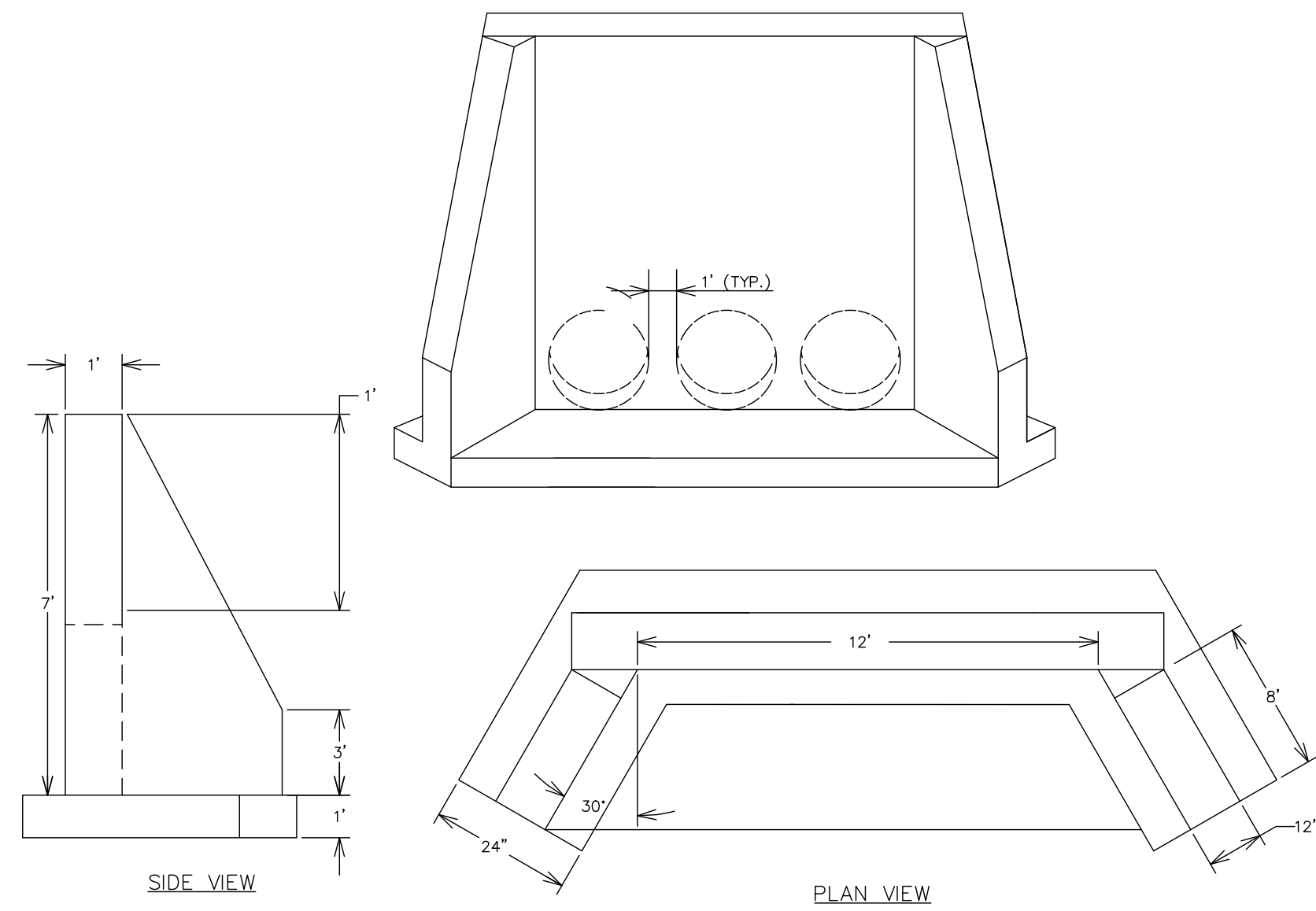


STORMWATER MANHOLE CROSS SECTION
NO SCALE

POST CONSTRUCTION STORMWATER MANAGEMENT PLAN DETAILS
 PRELIMINARY/FINAL SUBDIVISION & LAND DEVELOPMENT PLAN
 FLECHO-PAK USA, INC.
 North Lebanon Township
 Lebanon County, Pennsylvania

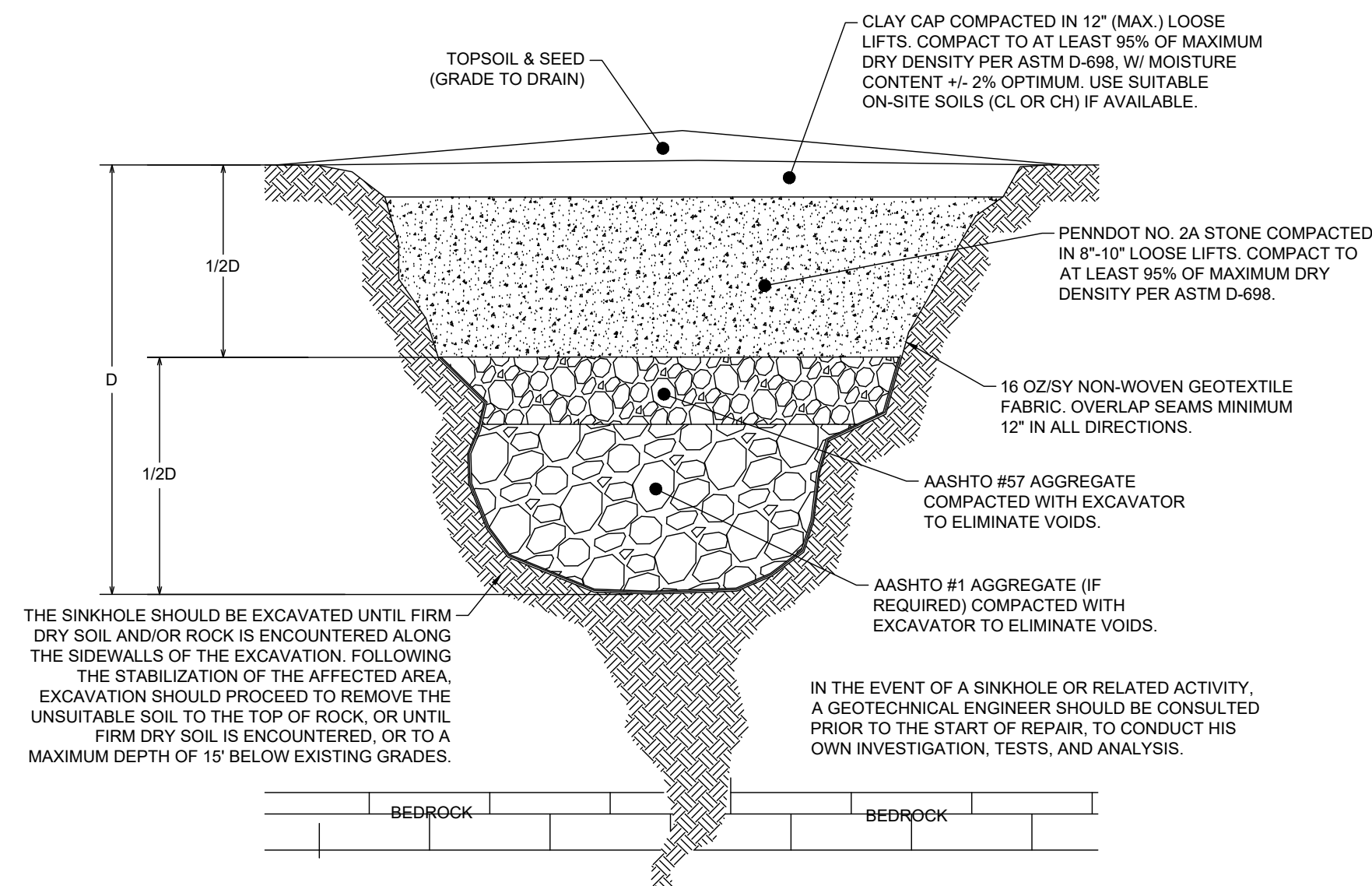
Sheehy Engineering & Surveying, Inc.
 279 North Zions Mill Road / Suite A
 Lebanon, Pennsylvania 17042
 Phone: (717) 222-7110
 Fax: (717) 222-7246

FIELD CREW: SS/TB
 BASE MAP: DY
 DRAWN: ABK/JMK
 DESIGN: ABK/EJG
 CHECKED: ABK
 DATE: 3/11/24
 PROJECT #132-23-007



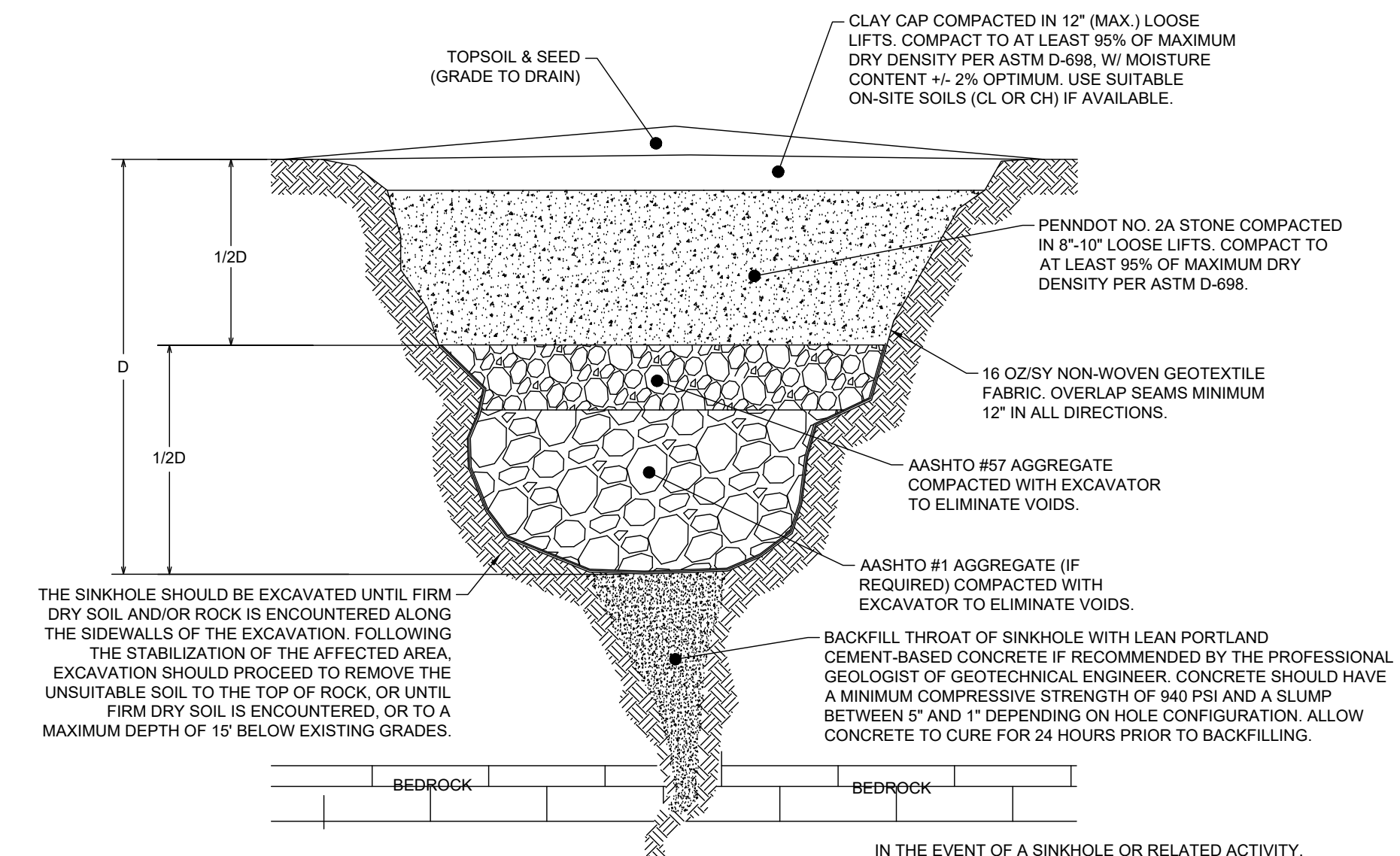
CAST IN PLACE DW ENDWALL DETAIL

NO SCALE



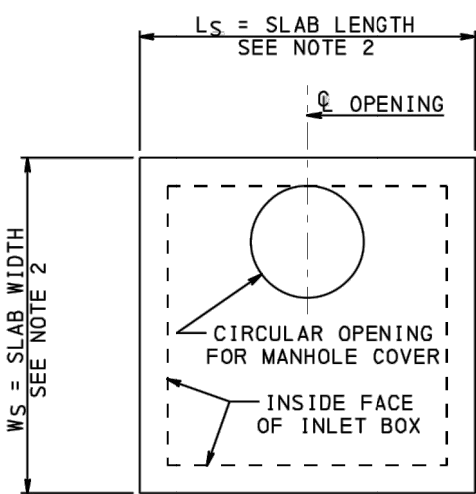
SINKHOLE REPAIR DETAIL-BEDROCK THROAT NOT ENCOUNTERED

NO SCALE



SINKHOLE REPAIR DETAIL-BEDROCK THROAT NOT ENCOUNTERED

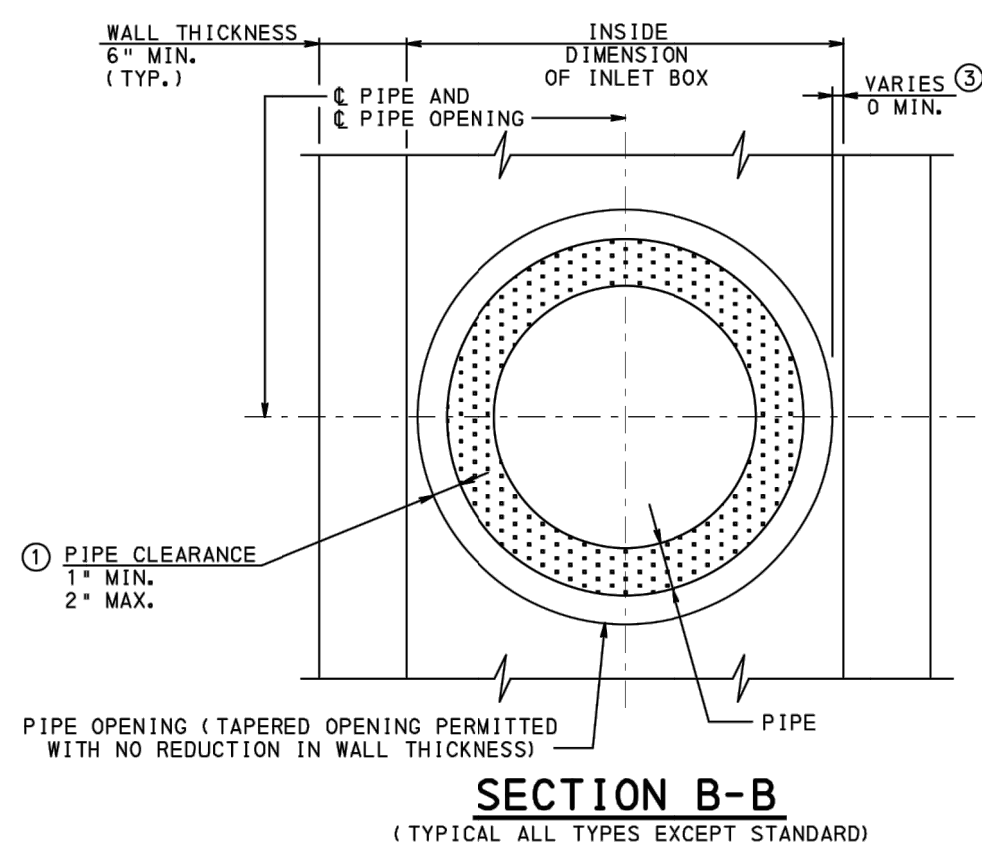
NO SCALE



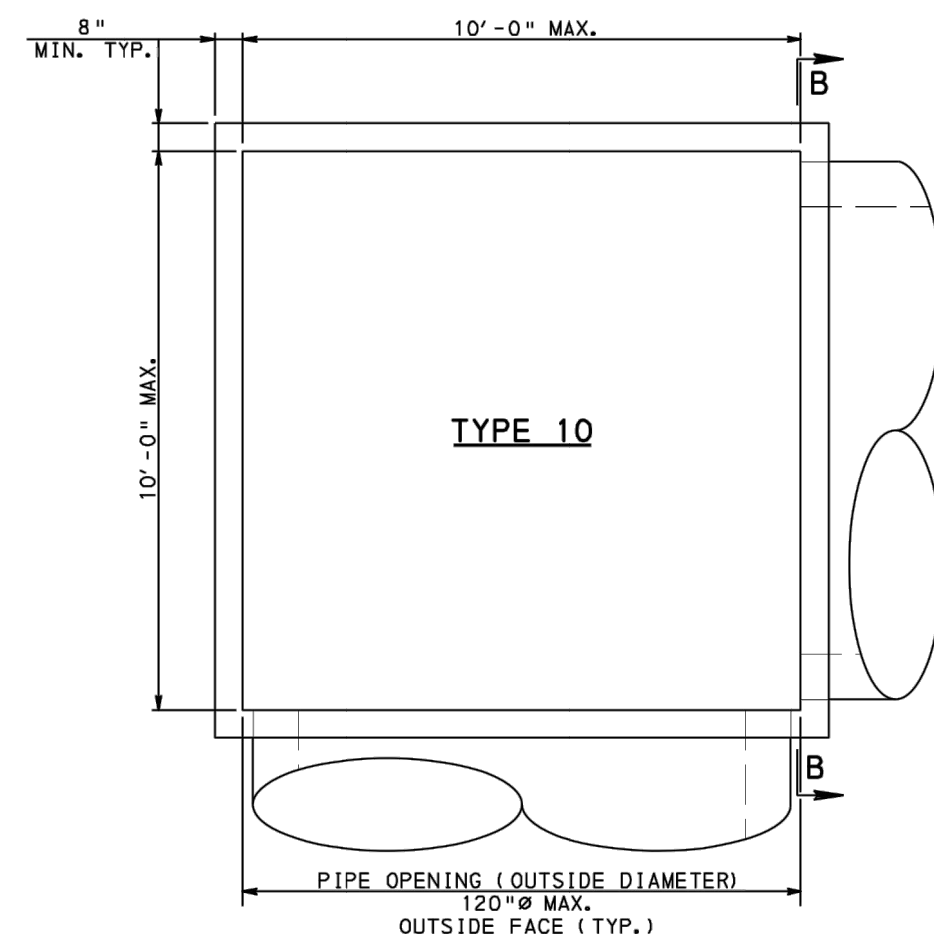
OTHER INLET BOXES

NOTES

1. ALL INLET BOXES AND TOPS SHALL CONFORM TO PENNDOT PUB. 72M RC-46.
2. OUT TO OUT DIMENSIONS OF TOP SLABS TO MATCH SIZE OF INLET BOX.



SECTION B-B
(TYPICAL ALL TYPES EXCEPT STANDARD)



TYPE 10

OTHER INLET BOXES

NOTES

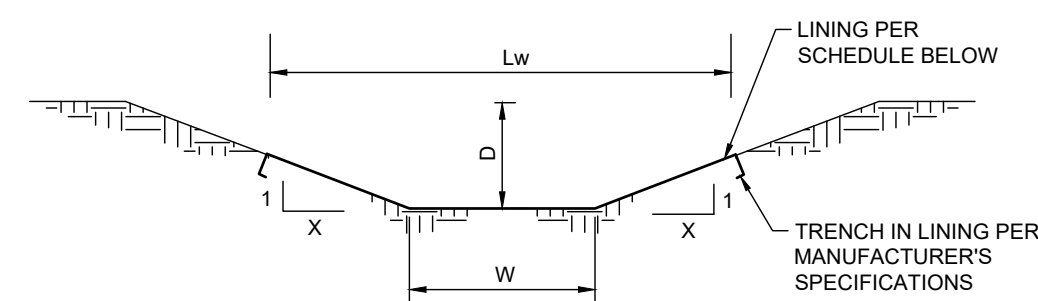
1. ALL INLET BOXES AND TOPS SHALL CONFORM TO PENNDOT PUB. 72M RC-46.
2. OUT TO OUT DIMENSIONS OF TOP SLABS TO MATCH SIZE OF INLET BOX.

STMH-2 - PENNDOT TYPE 10 INLET BOX (RC-46M)

NO SCALE

STMH-3 - CUSTOM INLET BOX (ADAPTED FROM RC-46M)

NO SCALE

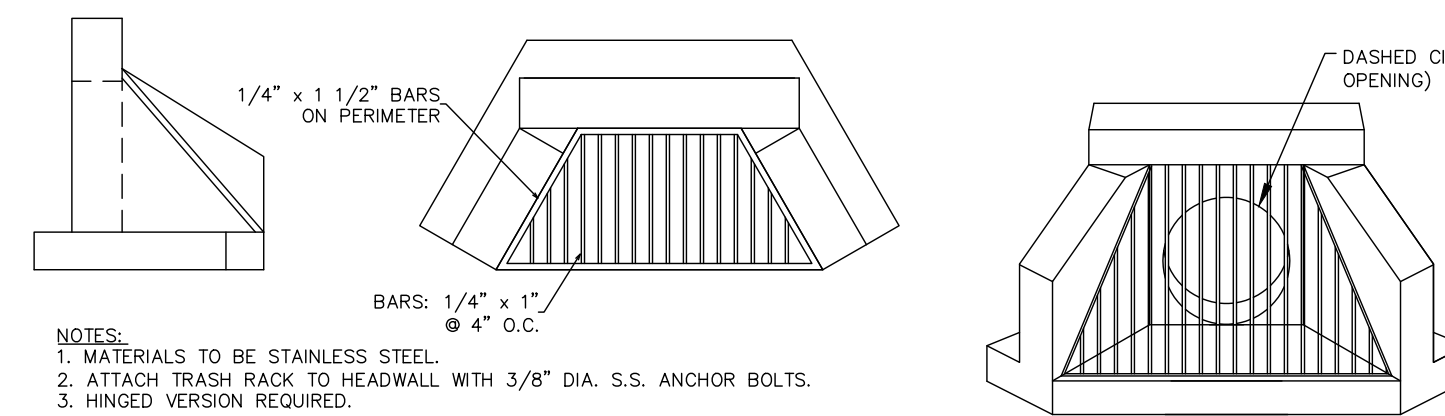


CROSS SECTION

SWALE NO.	WIDTH (W)	DEPTH (D)	SIDE SLOPE (X)	MAX. SLOPE	LINING WIDTH (LW)	LINING	TEMPORARY LINING	STAPLE PATTERN
A	5'	2'	3	2.5%	17'	GRASS	N.A.G. P300	E
B	2'	1.5'	3	2.8%	11'	GRASS	N.A.G. P300	E
C	2'	1'	3	6%	8'	GRASS	N.A.G. P300	E
D	2'	1'	3	1.3%	8'	GRASS	N.A.G. S75	D

STORMWATER SWALE DETAIL

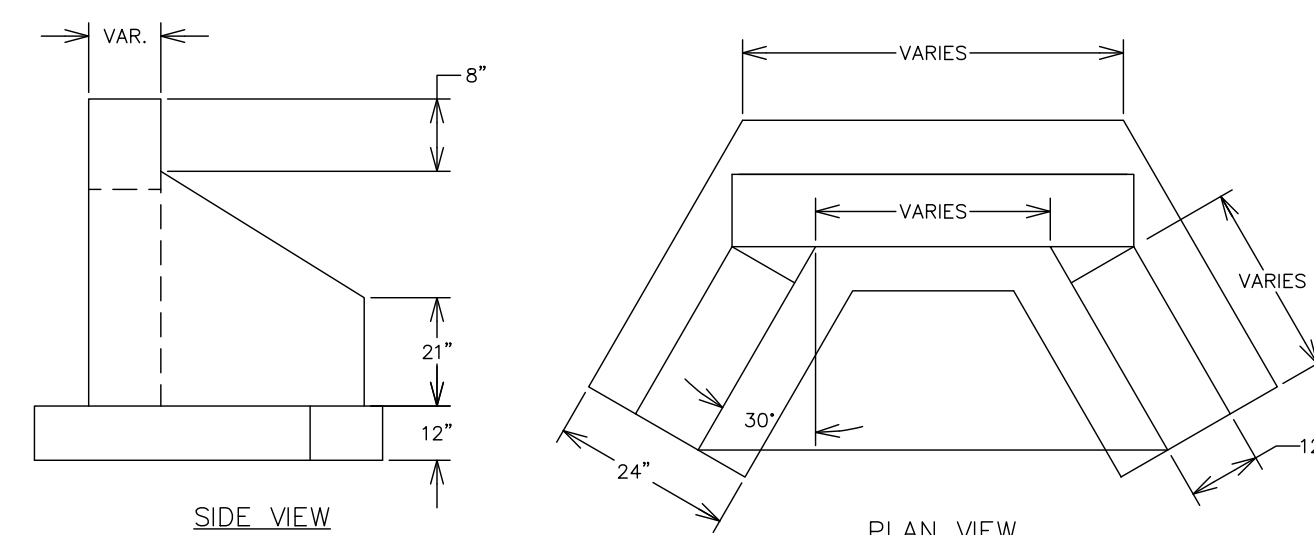
NO SCALE



TYPE DW ENDWALL WITH TRASH RACK DETAIL

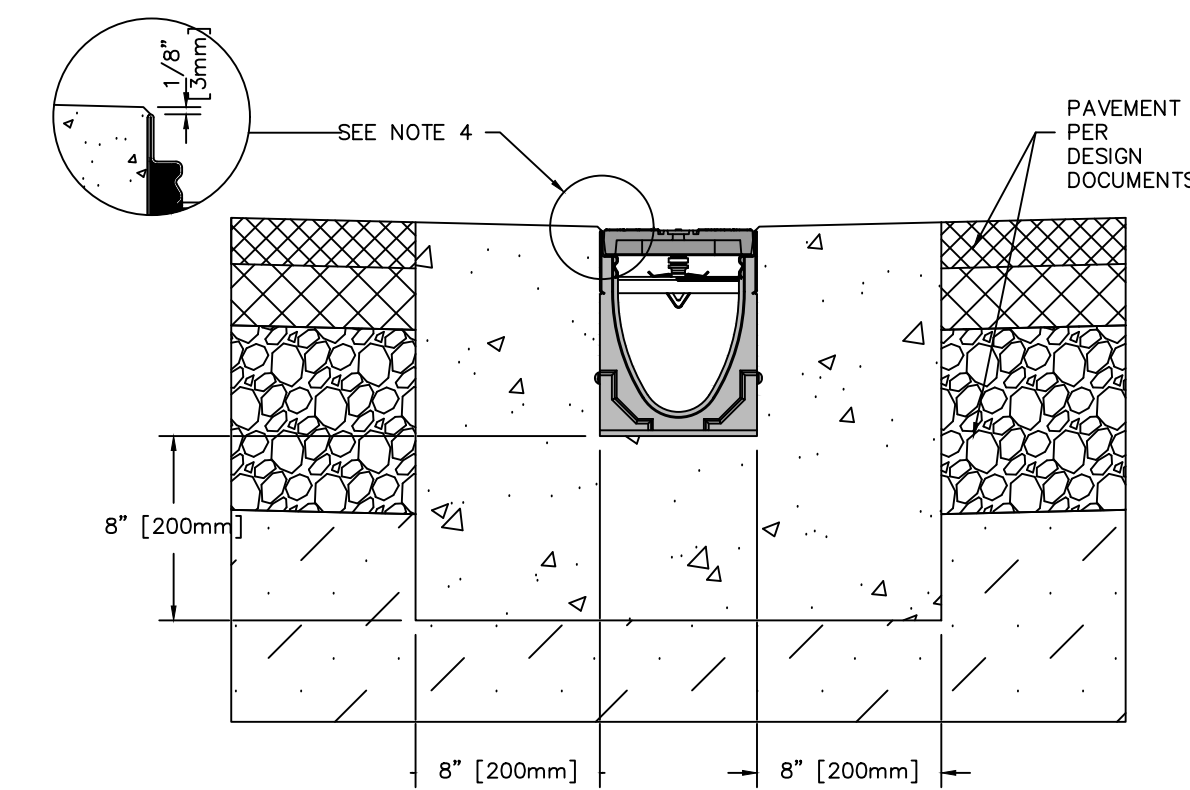
NO SCALE

*ALL DIMENSIONS THAT ARE IDENTIFIED AS VARIES ARE CUSTOM BASED ON THE SIZE OF THE PIPE. SEE PENNDOT PUBLICATION 72, RC-31M FOR EXACT DIMENSIONS.



TYPE DW ENDWALL DETAIL

NO SCALE



NOTES:

1. IT IS NECESSARY TO ENSURE MINIMUM DIMENSIONS SHOWN ARE SUITABLE FOR EXISTING GROUND CONDITIONS.
2. ENGINEERING ADVICE MAY BE REQUIRED.
3. MINIMUM CONCRETE STRENGTH OF 4,000 PSI IS RECOMMENDED. CONCRETE SHOULD BE VIBRATED TO ELIMINATE AIR POCKETS.
4. EXPANSION AND CONTRACTION CONTROL JOINTS AND REINFORCEMENT ARE RECOMMENDED TO PROTECT CHANNEL.
5. AND CONCRETE SURROUND. ENGINEERING ADVICE MAY BE REQUIRED.
6. THE FINISHED LEVEL OF THE CONCRETE SURROUND MUST BE APPROX. 1/8" [3mm] ABOVE THE TOP OF THE CHANNEL EDGE.
7. CONCRETE BASE THICKNESS SHOULD MATCH SLAB THICKNESS. ENGINEERING ADVICE MAY BE REQUIRED TO DETERMINE PROPER LOAD CLASS.
8. REFER TO ACCO'S LATEST INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS.

8" TRENCH DRAIN INSTALLATION DETAIL

NO SCALE

SPECIFICATION CLAUSE

K100 KLASSIKDRAIN - LOAD CLASS E

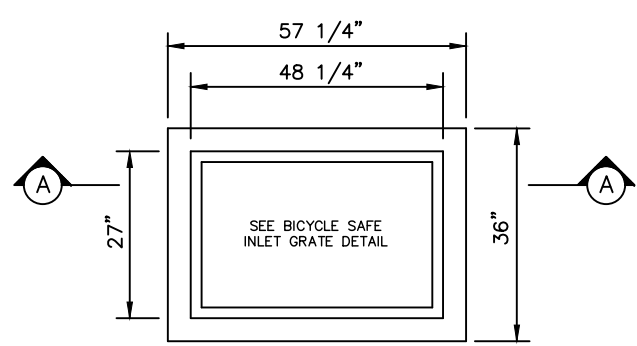
GENERAL
THE SURFACE DRAINAGE SYSTEM SHALL BE POLYESTER RESIN POLYMER CONCRETE WITH GALVANIZED STEEL CHANNEL SYSTEM WITH GALVANIZED STEEL EDGE RAILS AS MANUFACTURED BY ACC POLYMER PRODUCTS, INC.

MATERIALS
CHANNELS SHALL BE MANUFACTURED FROM POLYESTER RESIN POLYMER CONCRETE WITH AN INTEGRALLY CAST-IN GALVANIZED STEEL EDGE RAIL. MINIMUM PROPERTIES OF POLYMER CONCRETE WILL BE AS FOLLOWS:
COMPRESSIVE STRENGTH: 14,000 PSI
FLEXURAL STRENGTH: 4,000 PSI
TENSILE STRENGTH: 1,500 PSI
WATER ABSORPTION: 0.07%
FRDST PRDFF: YES
DILUTE ACID AND ALKALI RESISTANT: YES
B17 SALT SPRAY TEST COMPLIANT: YES

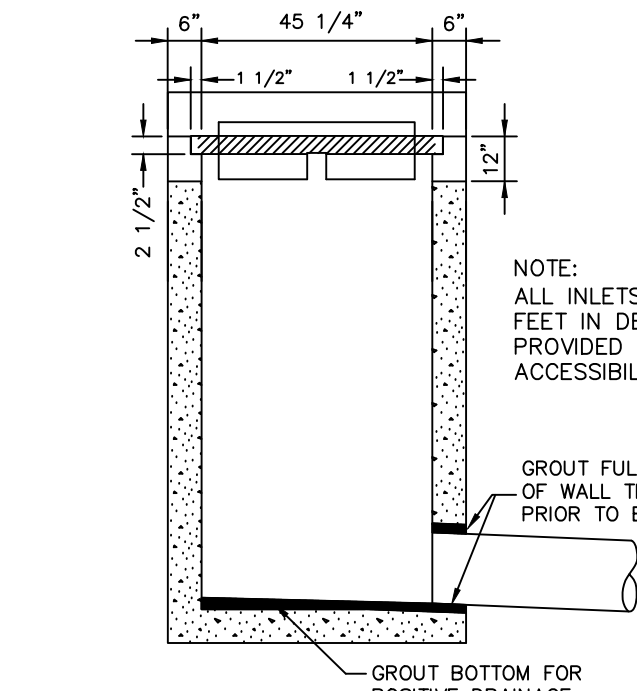
THE SYSTEM SHALL BE 4" (100mm) NOMINAL INTERNAL WIDTH WITH A 5.1" (130mm) OVERALL WIDTH AND A BUILT-IN SLOPE OF 0.5%. CHANNEL INVERT SHALL HAVE DEVELOPED "V" SHAPE. ALL CHANNELS SHALL BE INTERLOCKING WITH A MALE/FEMALE JOINT.

THE COMPLETE DRAINAGE SYSTEM SHALL BE BY ACC POLYMER PRODUCTS, INC. ANY DEVIATION OR PARTIAL SYSTEM DESIGN AND/OR IMPROPER INSTALLATION WILL VOID ANY AND ALL WARRANTIES PROVIDED BY ACC POLYMER PRODUCTS, INC.

CHANNEL SHALL WITHSTAND LOADING TO PROPER LOAD CLASS AS OUTLINED BY EN 1433. GRATE TYPE SHALL BE APPROPRIATE TO MEET THE SYSTEM LOAD CLASS SPECIFIED AND INTENDED APPLICATION. GRATES SHALL BE SECURED USING 'QUICKLOK' BOLTLESS LOCKING SYSTEM. CHANNEL AND GRATE SHALL BE CERTIFIED TO MEET THE SPECIFIED EN 1433 LOAD CLASS. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.



PLAN



TYPE C INLET DETAIL (RC-45M)

NO SCALE

PLUG PLANTING DETAIL

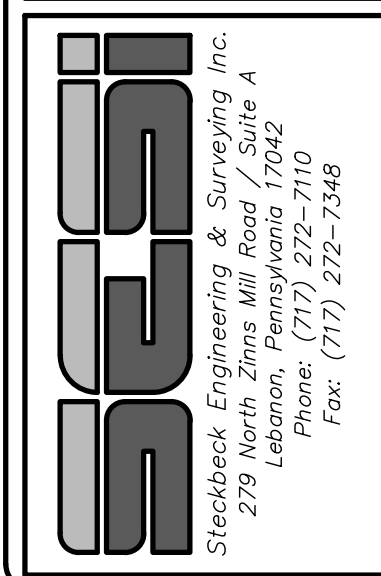
NO SCALE

1. PLUGS SHALL BE INSTALLED IN A RANDOM PATTERN WITHIN THE BASIN BOTTOM AT AN AVERAGE 10' SPACING.
2. A MINIMUM OF ONE (1) WOODY AND ONE (1) HERBACEOUS SPECIES MUST BE USED WITH QUANTITIES BEING ROUGHLY THE SAME BETWEEN ANY SPECIES SELECTED.

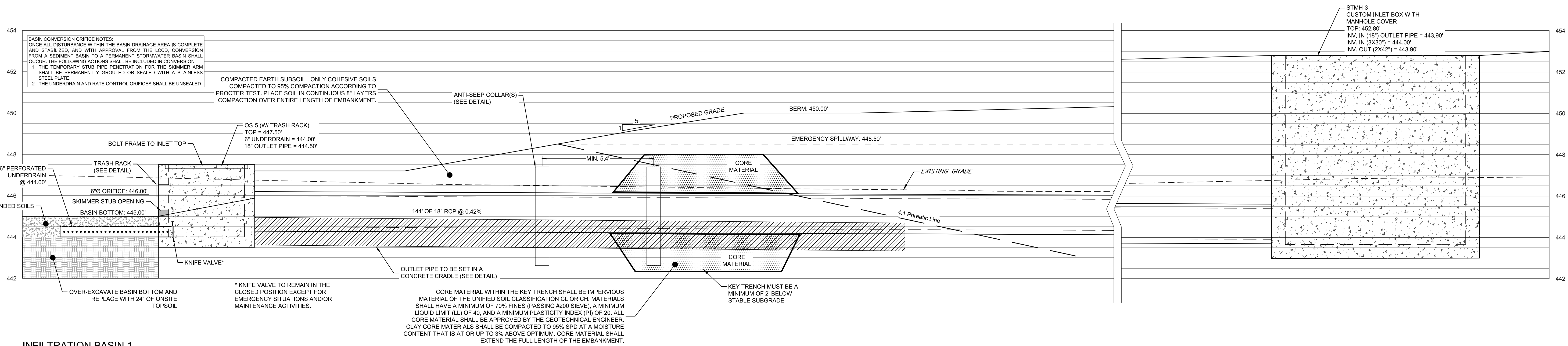
TYPE	LATIN NAME	COMMON NAME
HERBACEOUS	ASCLEPIAS SYRIACA	SWAMP MILKWEED
HERBACEOUS	CALTHA PALUSTRIS	MARSH MARIGOLD
WOODY	ALNUS SERRULATA	SMOOTH ALDER
WOODY	ROSA PALUSTRIS	SWAMP ROSE

*ALTERNATIVE SPECIES MAY BE PROVIDED UPON APPROVAL BY ENGINEER.

POST CONSTRUCTION STORMWATER MANAGEMENT PLAN DETAILS
 PRELIMINARY/FINAL SUBDIVISION & LAND DEVELOPMENT PLAN
 FLECHO-PACK USA, INC.
 North Lebanon Township
 Lebanon County, Pennsylvania

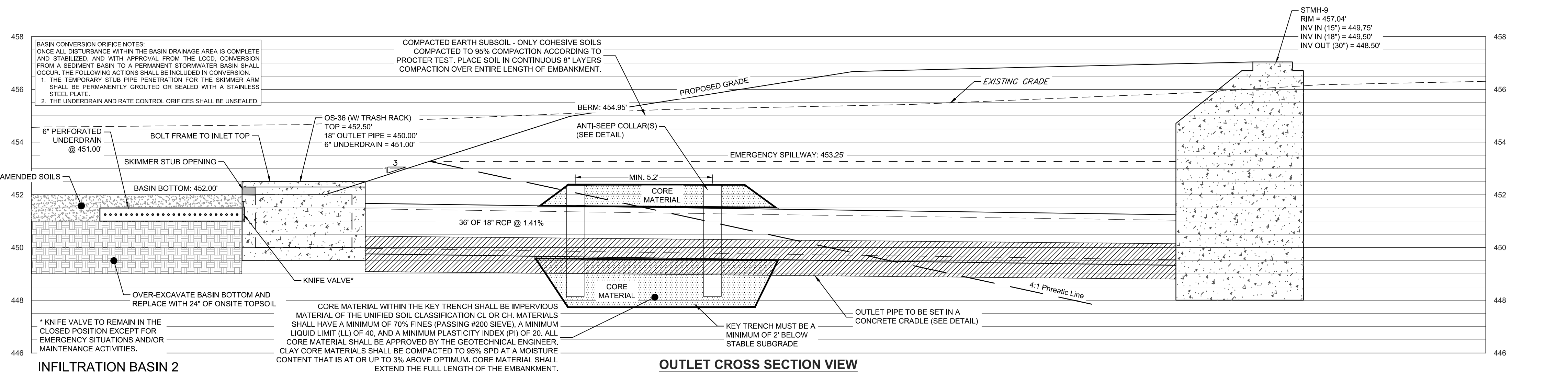


FIELD CREW:	SS/TB
BASE MAP:	DY
DRAWN:	ABK/JMK
DESIGN:	ABK/EJG
CHECKED:	ABK
DATE:	3/11/24
PROJECT #	132-23-007



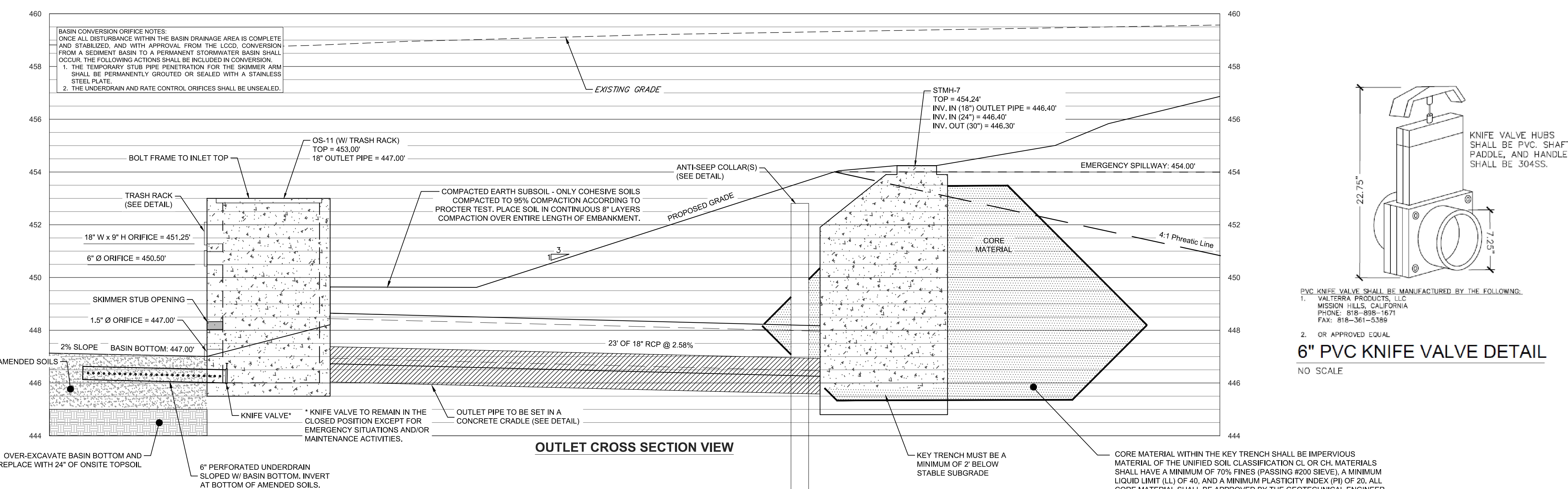
INFILTRATION BASIN 1

SCALE: 1" = 2.5'



INFILTRATION BASIN 2

SCALE: 1" = 2.5'

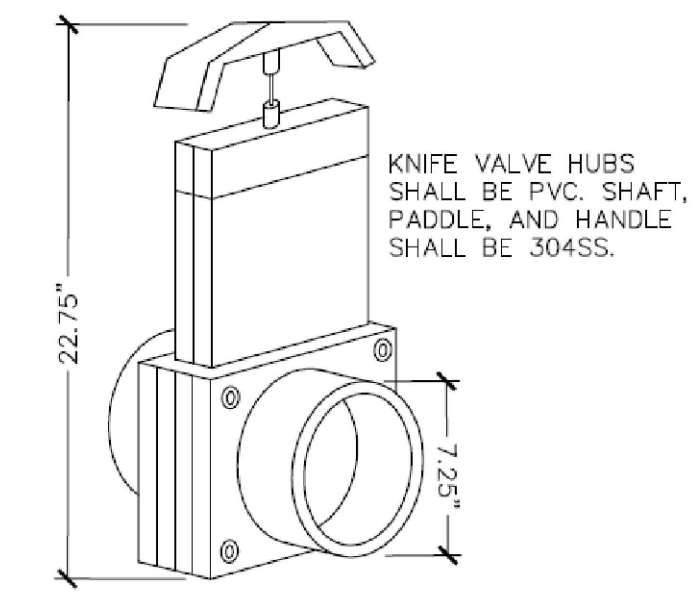


DETENTION BASIN 1

SCALE: 1" = 2.5'

STORM WATER MANAGEMENT OWNERSHIP & MAINTENANCE PROGRAM:

1. ALL STORM WATER FACILITIES WILL BE OWNED BY THE GRANTOR, ITS SUCCESSORS AND ASSIGNS. THIS INCLUDES ALL STORM WATER BMP'S AS SHOWN ON THESE PLANS.
2. ALL DRAINAGE COURSES, SWALES, STORM WATER INLETS, PIPES, CONDUITS, DETENTION BASINS AND OTHER STORM WATER MANAGEMENT FACILITIES SHALL BE INSTALLED, CONSTRUCTED AND MAINTAINED BY THE GRANTOR, ITS SUCCESSORS AND ASSIGNS, IN A FIRST-CLASS CONDITION IN CONFORMANCE WITH THE PLAN, AS APPROVED BY THE NORTH LEBANON TOWNSHIP BOARD OF SUPERVISORS, AND IN A MANNER SUFFICIENT TO MEET OR EXCEED THE DESIGN STANDARDS AND SPECIFICATIONS SET FORTH ON THE PLAN.
 - A. LIVING, FERTILIZING, SEEDING AND MULCHING OF VEGETATED CHANNELS AND ALL OTHER UNSTABILIZED SOILS OR AREAS ACCORDING TO THE SPECIFICATIONS IN THE "EROSION AND SEDIMENT POLLUTION CONTROL MANUAL" PUBLISHED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OR SUCH SIMILAR ACCEPTED STANDARD.
 - B. REESTABLISHMENT OF VEGETATION BY SEEDING, MULCHING, AND USE OF EROSION MATTING OR SODDING OF SCOURED AREAS OR AREAS WHERE VEGETATION HAS NOT BEEN SUCCESSFULLY ESTABLISHED.
 - C. MOWING AS NECESSARY TO MAINTAIN ADEQUATE STANDS OF GRASS AND TO CONTROL WEEDS. CHEMICAL WEED CONTROL MAY BE USED IF FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS ARE MET. SELECTION OF SEED MIXTURES SHALL BE SUBJECT TO APPROVAL BY THE NORTH LEBANON TOWNSHIP.
 - D. REMOVAL OF SILT FROM ALL PERMANENT STRUCTURES WHICH TRAP SILT OR SEDIMENT IN ORDER TO KEEP THE MATERIAL FROM BUILDING UP IN GRASSES, INTERWAYS AND THUS REDUCING THEIR CAPACITY.
 - E. REGULAR INSPECTION OF THE AREAS IN QUESTION TO ASSURE PROPER MAINTENANCE AND CARE.
 - F. ALL PIPES, SWALES, AND DETENTION FACILITIES SHALL BE KEPT FREE OF ANY DEBRIS OR OTHER OBSTRUCTION. GRANTOR, ITS SUCCESSORS AND ASSIGNS, SHALL BE RESPONSIBLE FOR PERFORMING THE FOREGOING MAINTENANCE.
3. GRANTOR, FOR ITSELF, ITS SUCCESSORS AND ASSIGNS, AGREES THAT THE FAILURE TO MAINTAIN ALL DRAINAGE COURSES, SWALES, STORM WATER INLETS, PIPES, CONDUITS, DETENTION BASINS AND OTHER STORM WATER MANAGEMENT FACILITIES IN A FIRST-CLASS CONDITION IN CONFORMANCE WITH THE AGREEMENT AND THE PLAN SHALL CONSTITUTE A NUISANCE AND SHALL BE ABATABLE BY THE NORTH LEBANON TOWNSHIP AS SUCH.
4. GRANTOR, FOR ITSELF, ITS SUCCESSORS AND ASSIGNS, AUTHORIZES NORTH LEBANON TOWNSHIP, AT ANY TIME AND FROM TIME TO TIME, BY ITS AUTHORIZED REPRESENTATIVES, TO ENTER UPON THE PREMISES TO INSPECT THE STORM WATER MANAGEMENT FACILITIES.
5. THE NORTH LEBANON TOWNSHIP MAY REQUIRE THAT GRANTOR, ITS SUCCESSORS AND ASSIGNS, OR ANY FUTURE OWNER OR OCCUPIER OF THE PREMISES, OR ANY PART THEREOF, TAKE SUCH CORRECTIVE MEASURES AS THE NORTH LEBANON TOWNSHIP MAY DEEM REASONABLY NECESSARY TO BRING THE PREMISES INTO COMPLIANCE WITH THIS AGREEMENT AND WITH THE PLAN, AS APPROVED BY THE NORTH LEBANON TOWNSHIP BOARD OF SUPERVISORS.
6. UPON THE FAILURE OF THE OWNER OR OCCUPIER OF THE PREMISES TO COMPLY WITH THE TERMS OF THE STORM WATER MANAGEMENT AGREEMENT OR TO TAKE CORRECTIVE MEASURES FOLLOWING THIRTY (30) DAYS' NOTICE FROM THE NORTH LEBANON TOWNSHIP, THE NORTH LEBANON TOWNSHIP, THROUGH ITS AUTHORIZED REPRESENTATIVES, MAY TAKE SUCH CORRECTIVE MEASURES AS IT DEEMS REASONABLY NECESSARY TO BRING THE PREMISES INTO COMPLIANCE WITH THE AGREEMENT AND WITH THE PLAN, INCLUDING, BUT NOT LIMITED TO, THE REMOVAL OF ANY BLOCKAGE OR OBSTRUCTION FROM DRAINAGE PIPES, SWALES AND DETENTION BASINS, AND MAY CHARGE THE COST THEREOF TO GRANTOR, ITS SUCCESSORS OR ASSIGNS, OR ANY OWNER OF THE PREMISES AND, IN DEFAULT OF SUCH PAYMENT, MAY CAUSE A MUNICIPAL LIEN TO BE IMPOSED UPON THE PREMISES OR ANY PART THEREOF.
7. GRANTOR HEREBY IMPOSES UPON THE PREMISES FOR THE BENEFIT OF ALL PRESENT AND FUTURE OWNERS OF THE PREMISES OR ANY PART OF THE PREMISES, NORTH LEBANON TOWNSHIP AND ALL OTHER PROPERTY OWNERS AFFECTED BY THE STORM WATER MANAGEMENT FACILITIES, THE PERPETUAL NONEXCLUSIVE RIGHT, PRIVILEGE AND EASEMENT FOR THE DRAINING OF STORM WATER IN AND THROUGH THE DRAINAGE COURSES, SWALES, STORM WATER INLETS, PIPES, CONDUITS, DETENTION BASINS AND OTHER STORM WATER MANAGEMENT FACILITIES DEPICTED ON THE PLAN OR PLANS SUBMITTED TO NORTH LEBANON TOWNSHIP OR HEREAFTER MADE OF RECORD AND NOW OR HEREAFTER INSTALLED ON OR CONSTRUCTED UPON THE PREMISES AND, IN ADDITION, EASEMENTS OF ACCESS TO THE STORM WATER MANAGEMENT FACILITIES.
8. GRANTOR SHALL INCLUDE A SPECIFIC REFERENCE TO THE STORM WATER MANAGEMENT AGREEMENT AND DECLARATION OF EASEMENT IN ANY DEED OF CONVEYANCE FOR THE PREMISES OR ANY PART THEREOF.
9. GRANTOR AGREES TO INDEMNIFY NORTH LEBANON TOWNSHIP, LEBANON CO., AND ALL OF ITS ELECTED AND APPOINTED OFFICIALS, AGENTS AND EMPLOYEES (HEREINAFTER COLLECTIVELY REFERRED TO AS THE "INDEMNITEES") AGAINST AND HOLD INDEMNITEES HARMLESS FROM ANY AND ALL LIABILITY, LOSS OR DAMAGE, INCLUDING ATTORNEYS' FEES AND COSTS OF INVESTIGATION AND DEFENSE, AS A RESULT OF CLAIMS, DEMANDS, COSTS OR JUDGMENTS AGAINST INDEMNITEES, WHICH ARISE AS A RESULT OF THE DESIGN, INSTALLATION, CONSTRUCTION OR MAINTENANCE OF THE STORM WATER MANAGEMENT FACILITIES.
10. NORTH LEBANON TOWNSHIP MAY, IN ADDITION TO THE REMEDIES PRESCRIBED HEREIN, PROCEED WITH ANY ACTION AT LAW OR IN EQUITY TO BRING ABOUT COMPLIANCE WITH THE NORTH LEBANON TOWNSHIP STORM WATER MANAGEMENT ORDINANCE AND THE AGREEMENT.
11. GRANTOR'S PERSONAL LIABILITY UNDER THE AGREEMENT SHALL CEASE AT SUCH TIME AS (A) ALL STORM WATER MANAGEMENT FACILITIES HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE NORTH LEBANON TOWNSHIP SUBDIVISION AND LAND DEVELOPMENT ORDINANCE AND THE APPROVED PLANS; (B) THE STORM WATER MANAGEMENT FACILITIES HAVE BEEN INSPECTED AND APPROVED BY THE NORTH LEBANON TOWNSHIP ENGINEER; (C) ALL FINANCIAL SECURITY, INCLUDING ANY MAINTENANCE SECURITY, POSTED BY GRANTOR HAS BEEN RELEASED BY NORTH LEBANON TOWNSHIP; AND (D) GRANTOR HAS TRANSFERRED ALL LOTS TO BE CREATED FROM THE PREMISES TO THIRD PARTIES. NOTWITHSTANDING THE FOREGOING, GRANTOR'S PERSONAL LIABILITY SHALL CONTINUE FOR ANY VIOLATIONS OF THIS AGREEMENT AND DECLARATION OF EASEMENT WHICH OCCURRED DURING THE TIME THAT GRANTOR OWNED THE PREMISES OR ANY LOT CREATED FROM THE PREMISES OR IN THE EVENT THE STORM WATER MANAGEMENT FACILITIES WERE NOT COMPLETED, INSPECTED OR APPROVED AS SET FORTH HEREIN.
12. IT IS THE INTENT OF THE PARTIES TO THE AGREEMENT THAT PERSONAL LIABILITY AND MAINTENANCE OBLIGATIONS SHALL PASS TO SUBSEQUENT TITLE OWNERS UPON CHANGE IN OWNERSHIP OF THE PREMISES OR ANY LOT CREATED FROM THE PREMISES, AND SUCH SUBSEQUENT OWNERS SHALL ASSUME ALL PERSONAL LIABILITY AND MAINTENANCE OBLIGATIONS FOR THE TIME PERIOD DURING WHICH THEY HOLD TITLE. PERSONAL LIABILITY SHALL REMAIN FOR ANY VIOLATIONS OF THE AGREEMENT AND DECLARATION OF EASEMENT, WHICH OCCURRED DURING THE PERIOD IN WHICH AN OWNER HELD TITLE.
13. THIS AGREEMENT AND DECLARATION OF EASEMENT SHALL BE BINDING UPON GRANTOR, THE SUCCESSORS AND ASSIGNS OF GRANTOR, AND ALL PRESENT AND FUTURE OWNERS OF THE PREMISES, OR ANY PART THEREOF, AND IS INTENDED TO BE RECORDED IN ORDER TO GIVE NOTICE TO FUTURE OWNERS OF THE PREMISES, OR ANY PART THEREOF, OF THEIR DUTIES AND RESPONSIBILITIES WITH RESPECT TO THE STORM WATER MANAGEMENT FACILITIES.



6" PVC KNIFE VALVE DETAIL
NO SCALE

REVISION	DATE	BY
LCPD COMMENTS - 1/30/24	2/8/24	JMK
ARRO COMMENTS - 1/18/24	3/11/24	AMK/EJG
NLMA COMMENTS - 1/16/24	3/11/24	JMK

STORM WATER BASIN OUTLET PROFILES

PRELIMINARY/FINAL SUBDIVISION & LAND DEVELOPMENT PLAN

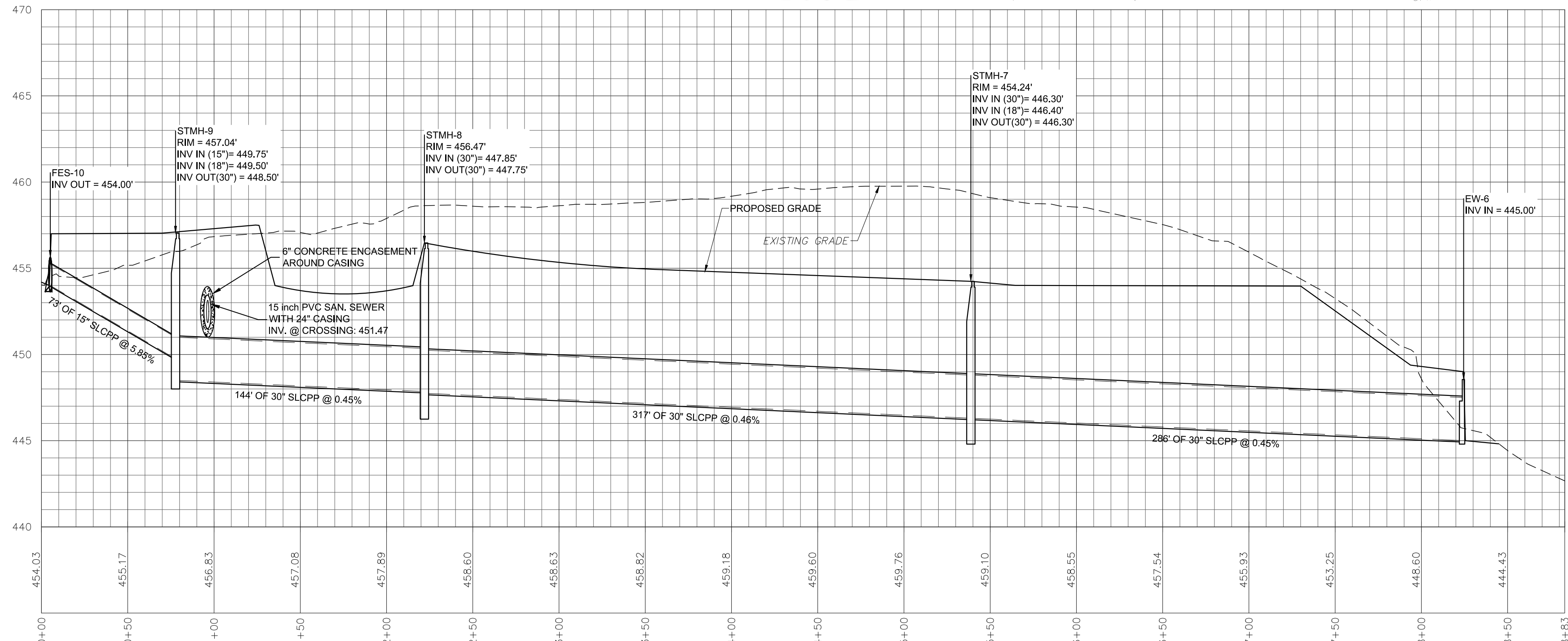
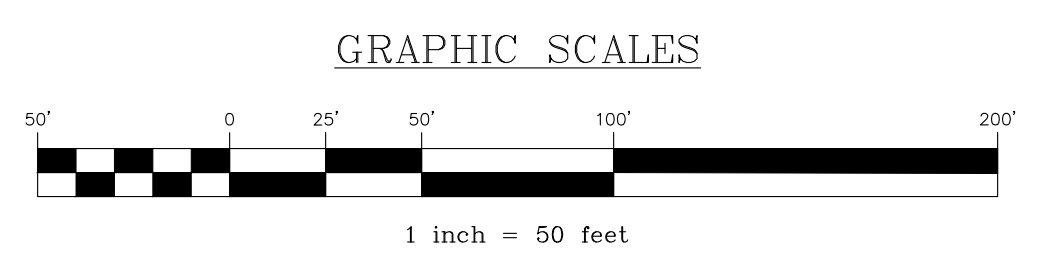
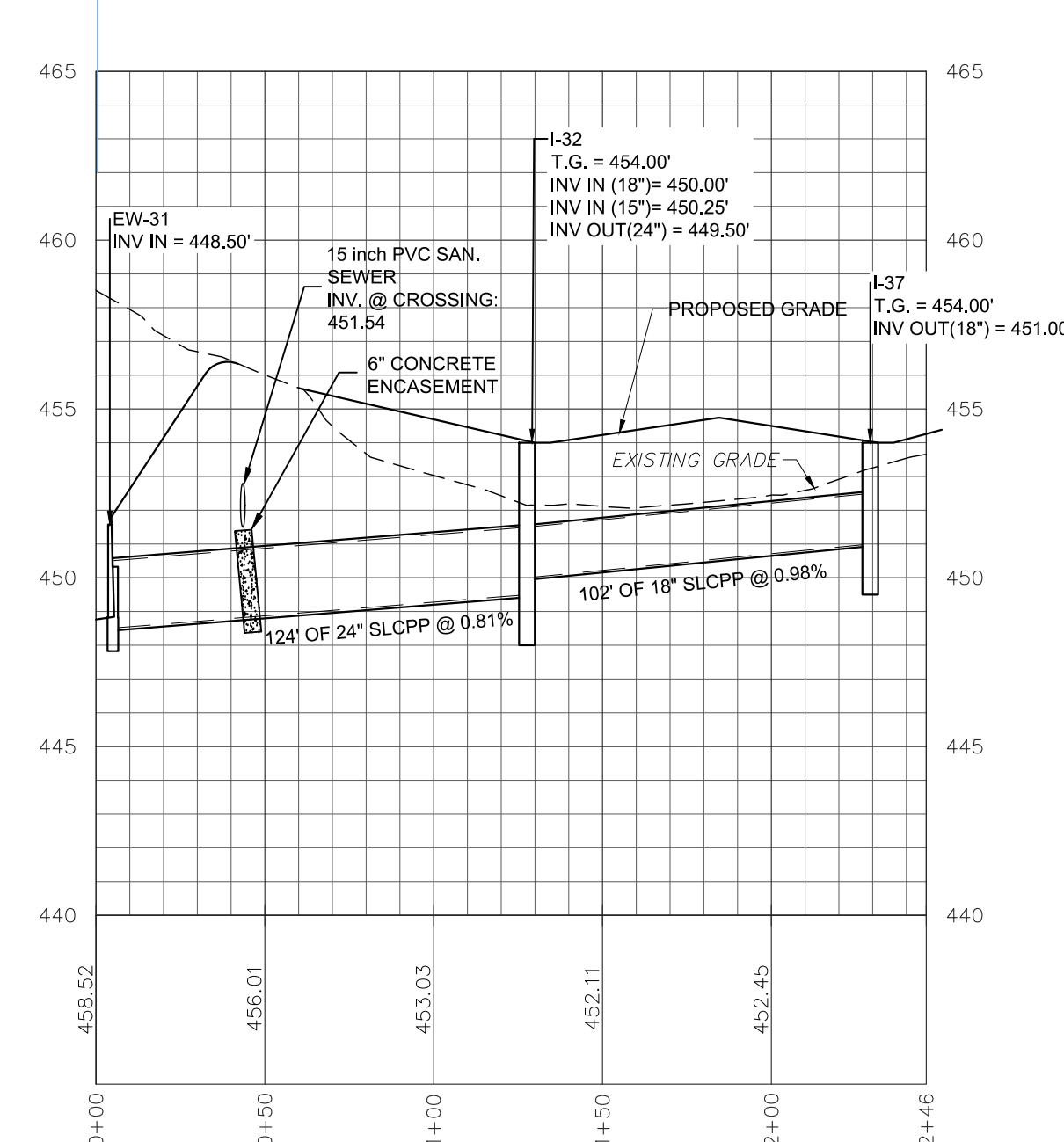
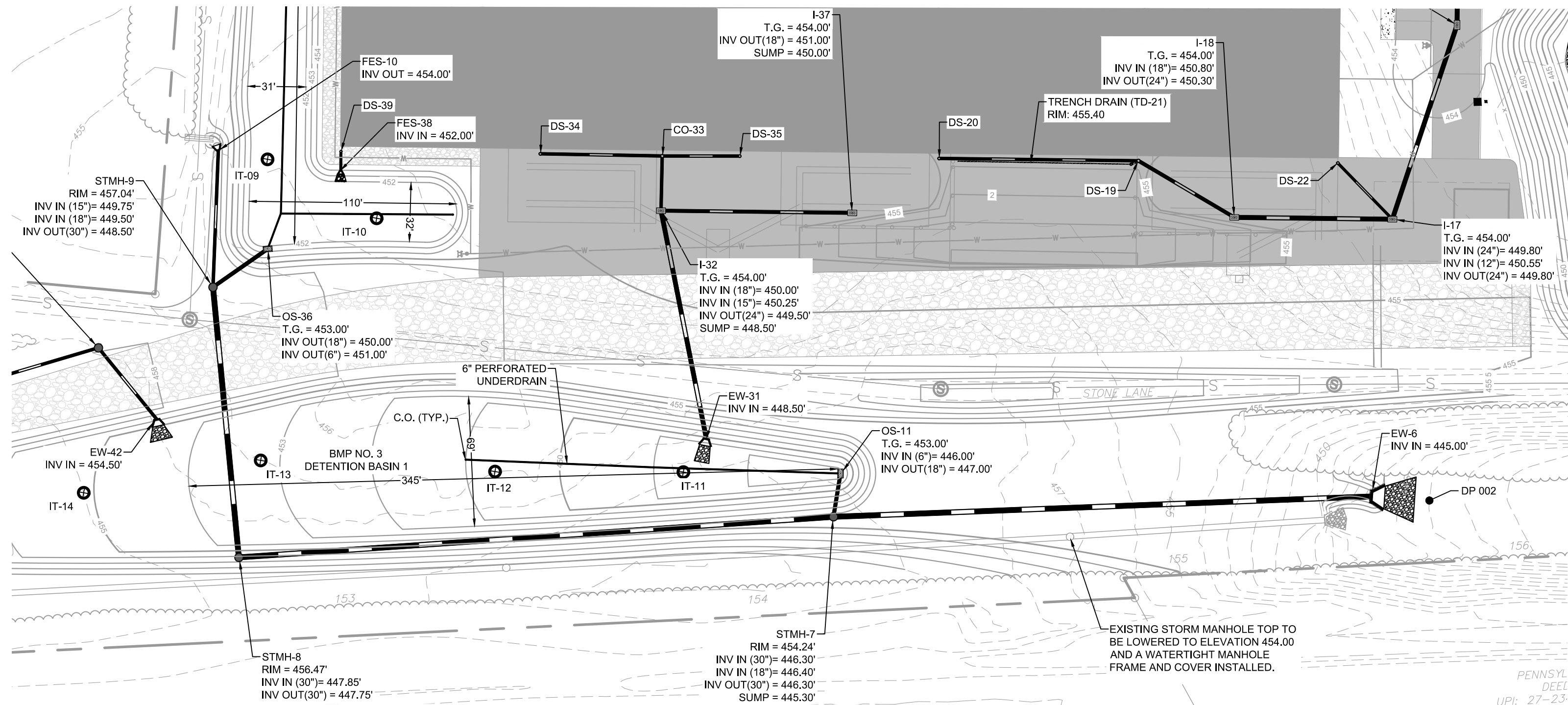
for
FLEXO-PACK USA, INC.

located in
North Lebanon Township
Lebanon County, Pennsylvania

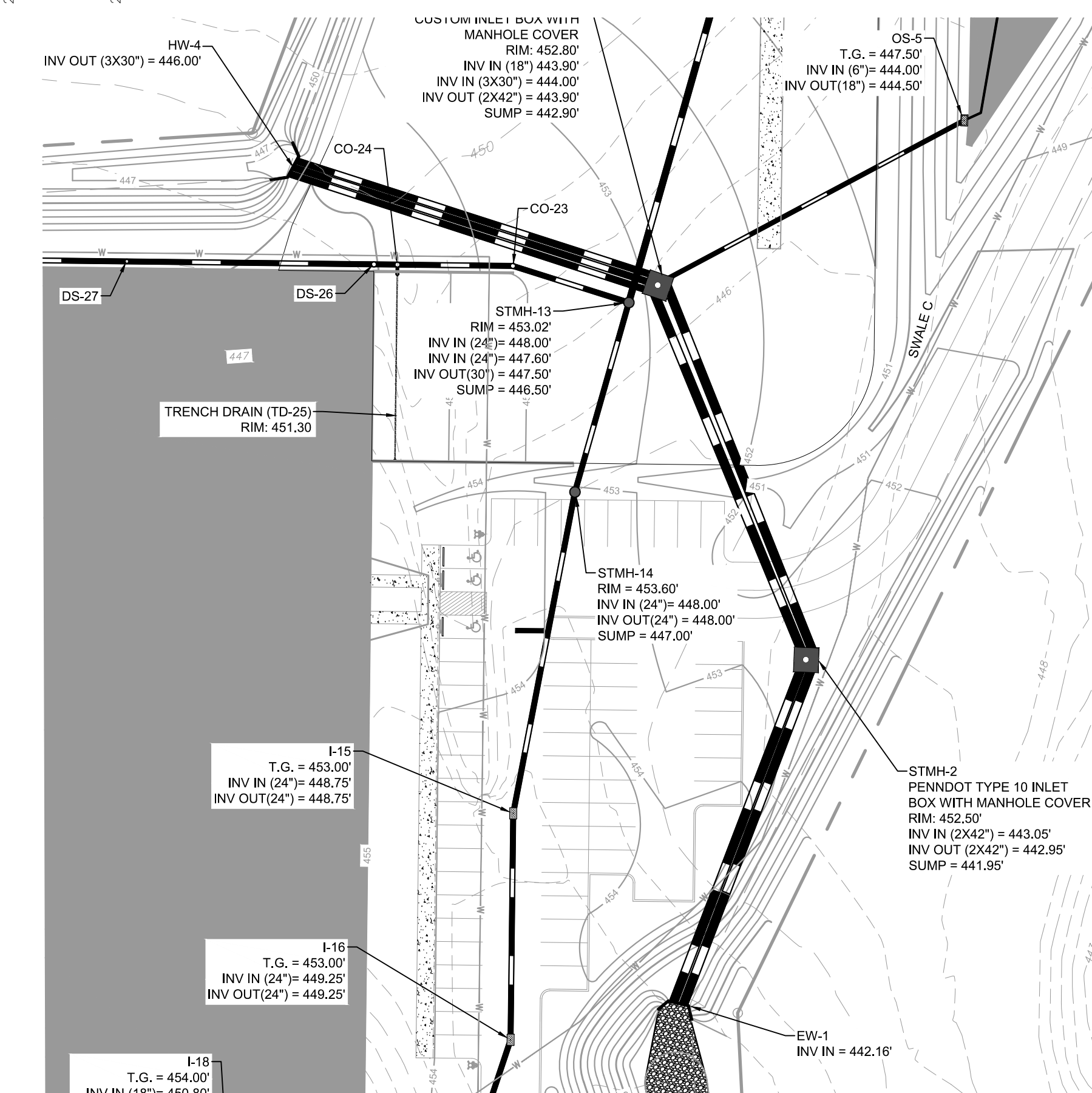
ES&S

Steinbeck Engineering & Surveying, Inc.
279 Lebanon, Pennsylvania 17042
Phone: (717) 272-7110
Fax: (717) 272-2548

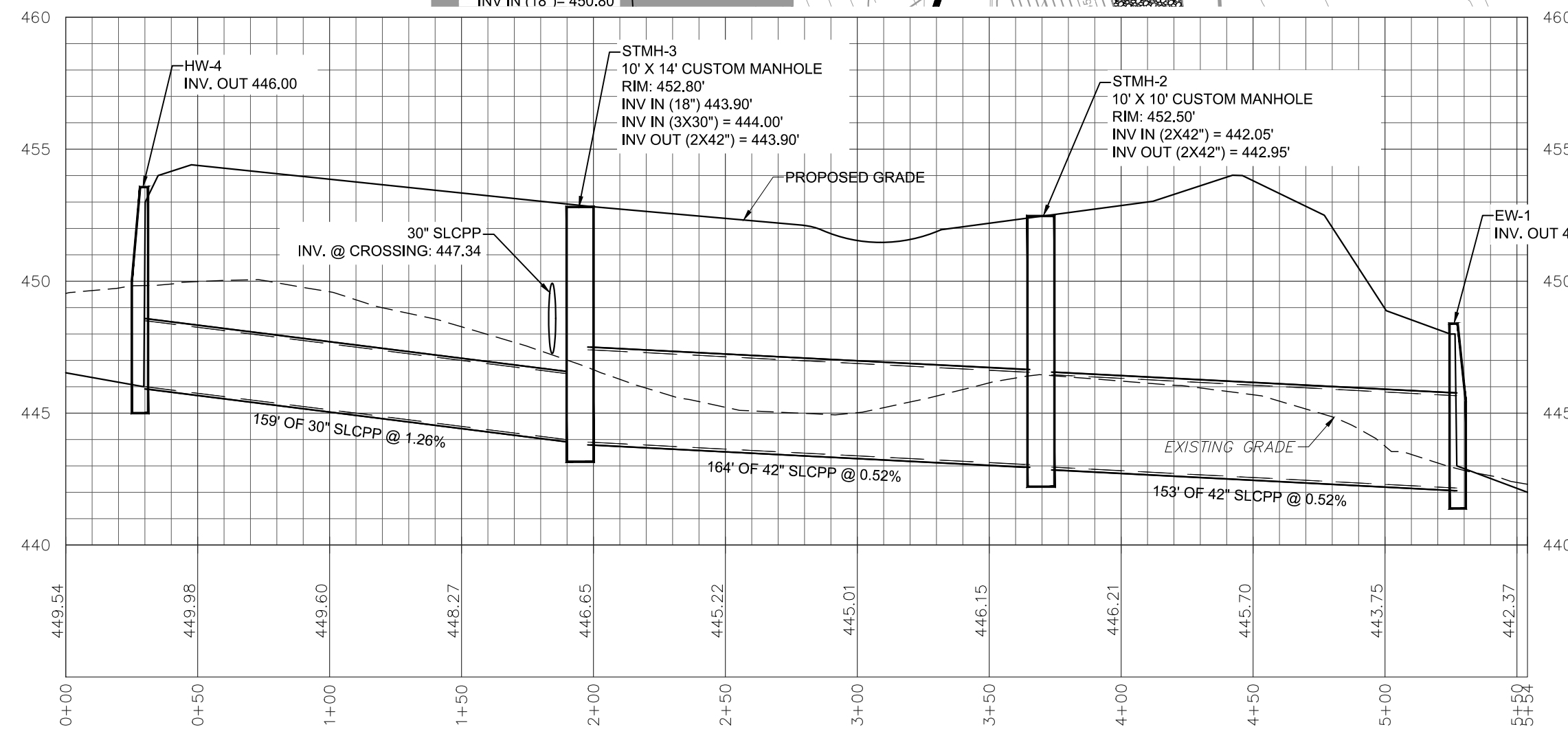
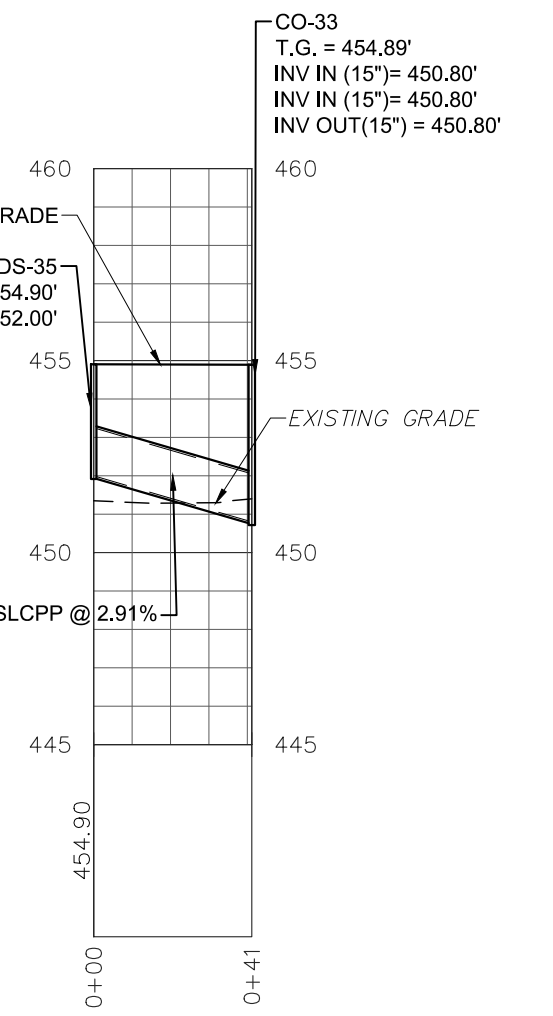
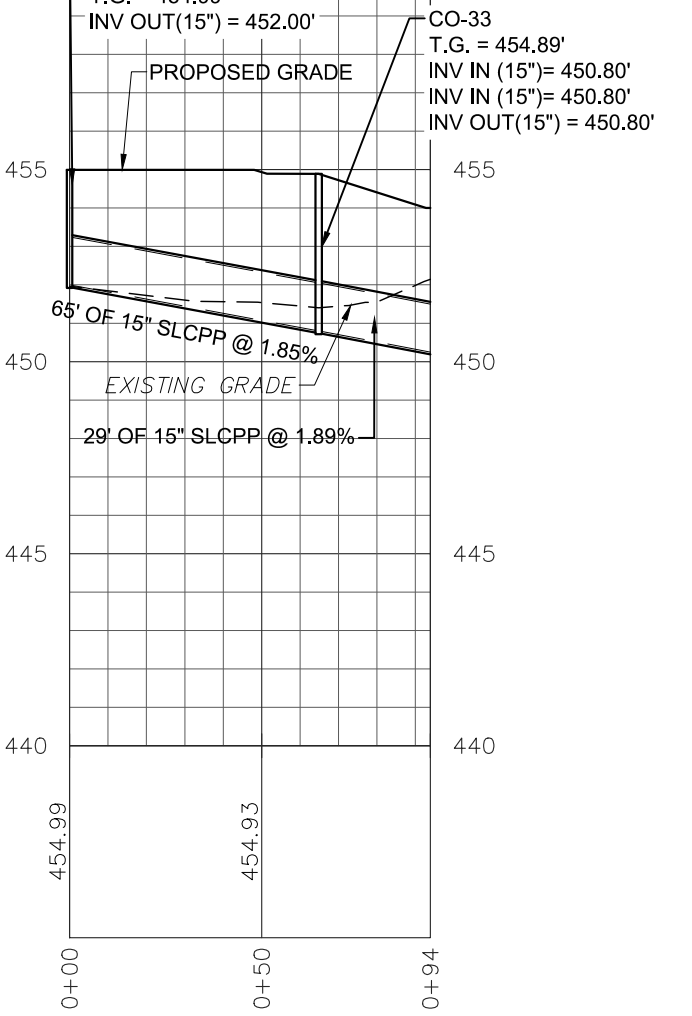
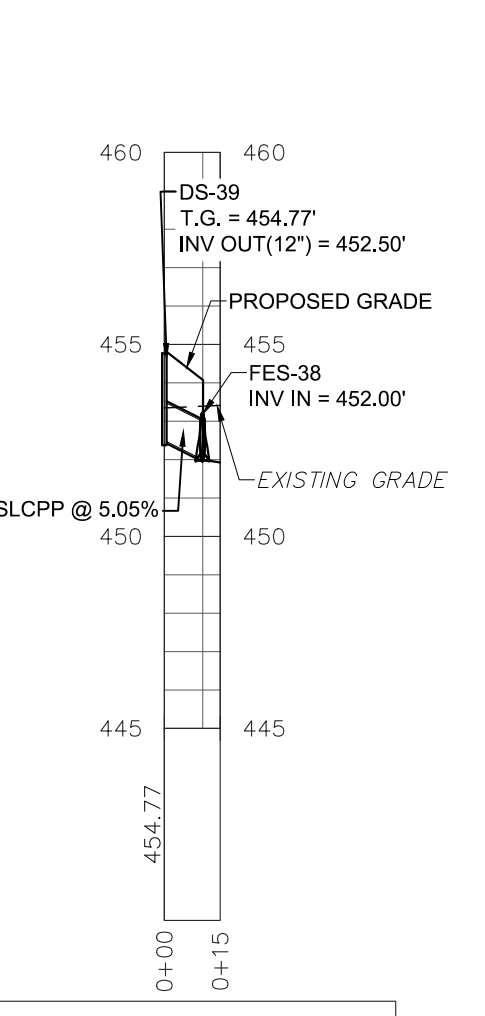
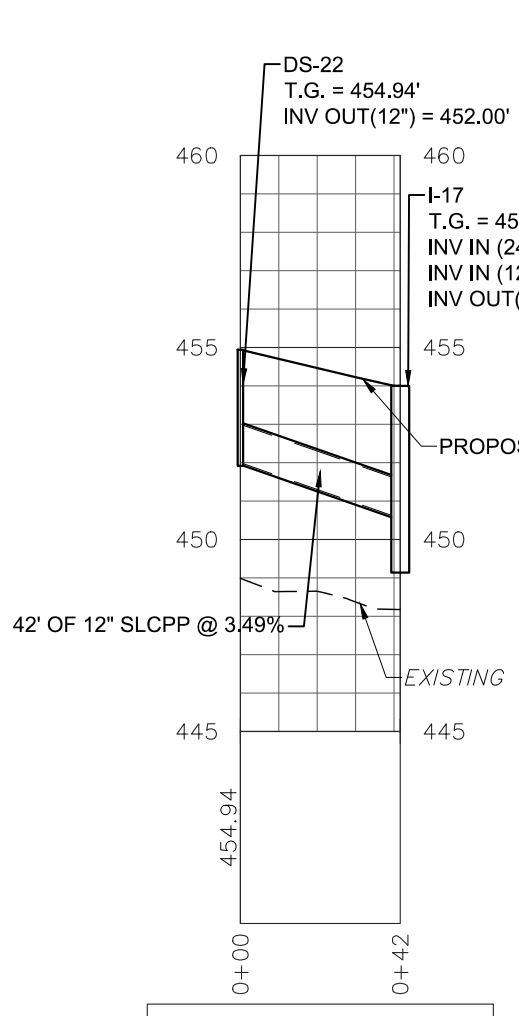
FIELD CREW:	SS/TB
BASE MAP:	DY
DRAWN:	ABK/JMK
DESIGN:	ABK/EJG
CHECKED:	ABK
DATE:	3/12/24
PROJECT #	132-23-007



Rail Yard Collection
VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 50'



Dresch Bypass
VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 50'



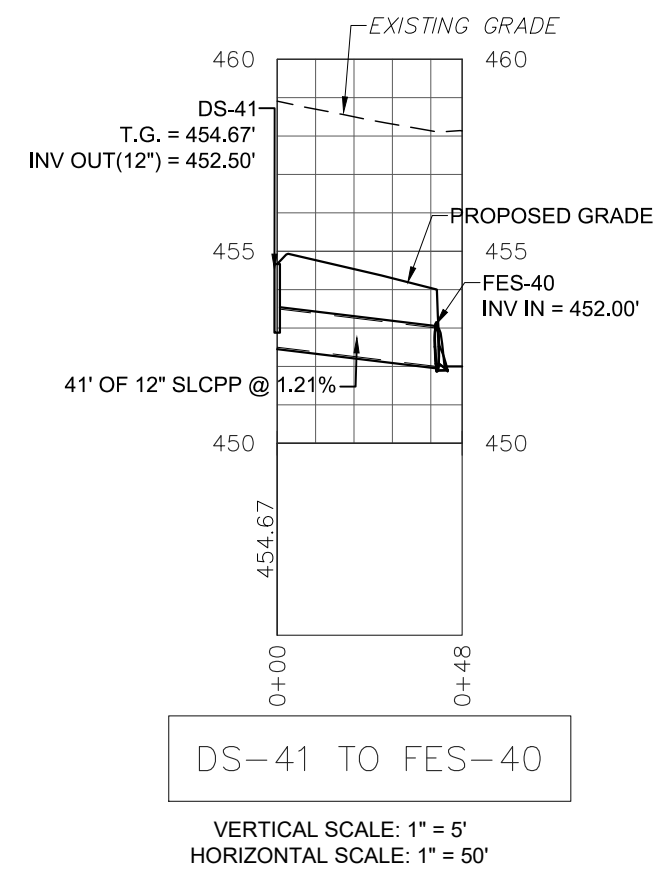
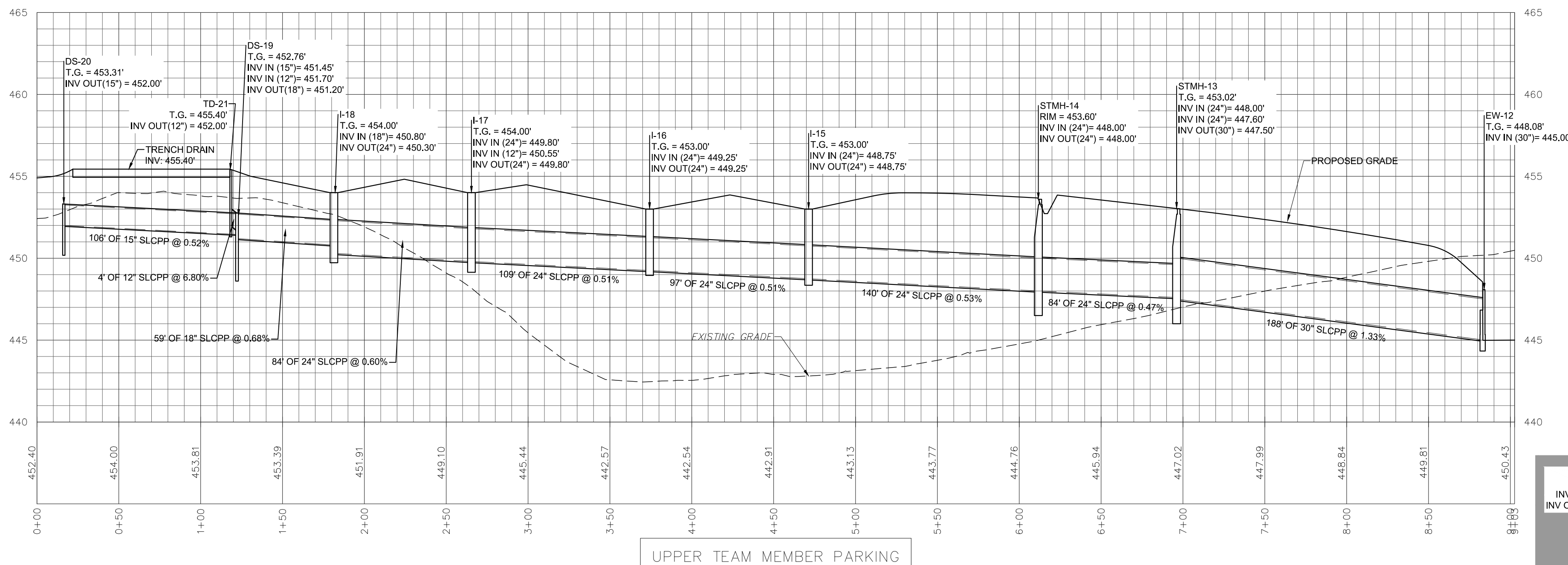
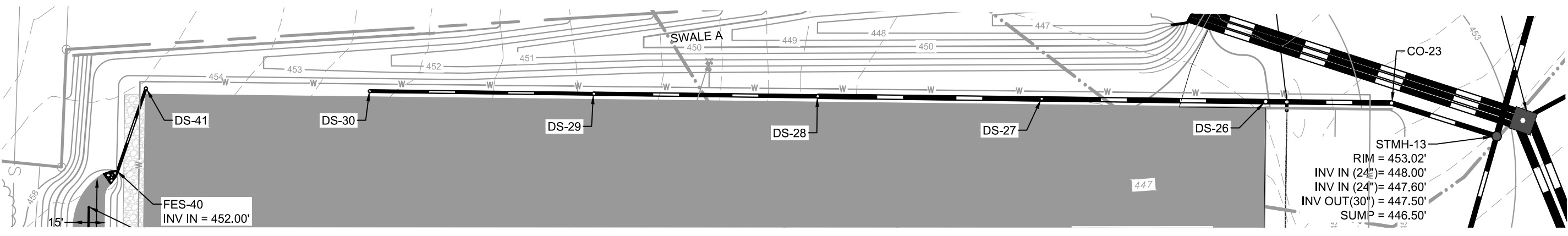
BYPASS
VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 50'

REVISION	DATE	BY
LCPD COMMENTS - 1/30/24	2/8/24	JMK
ARRO COMMENTS - 1/19/24	3/11/24	AMK/EJG
NLTHA COMMENTS - 1/16/24	3/11/24	JMK

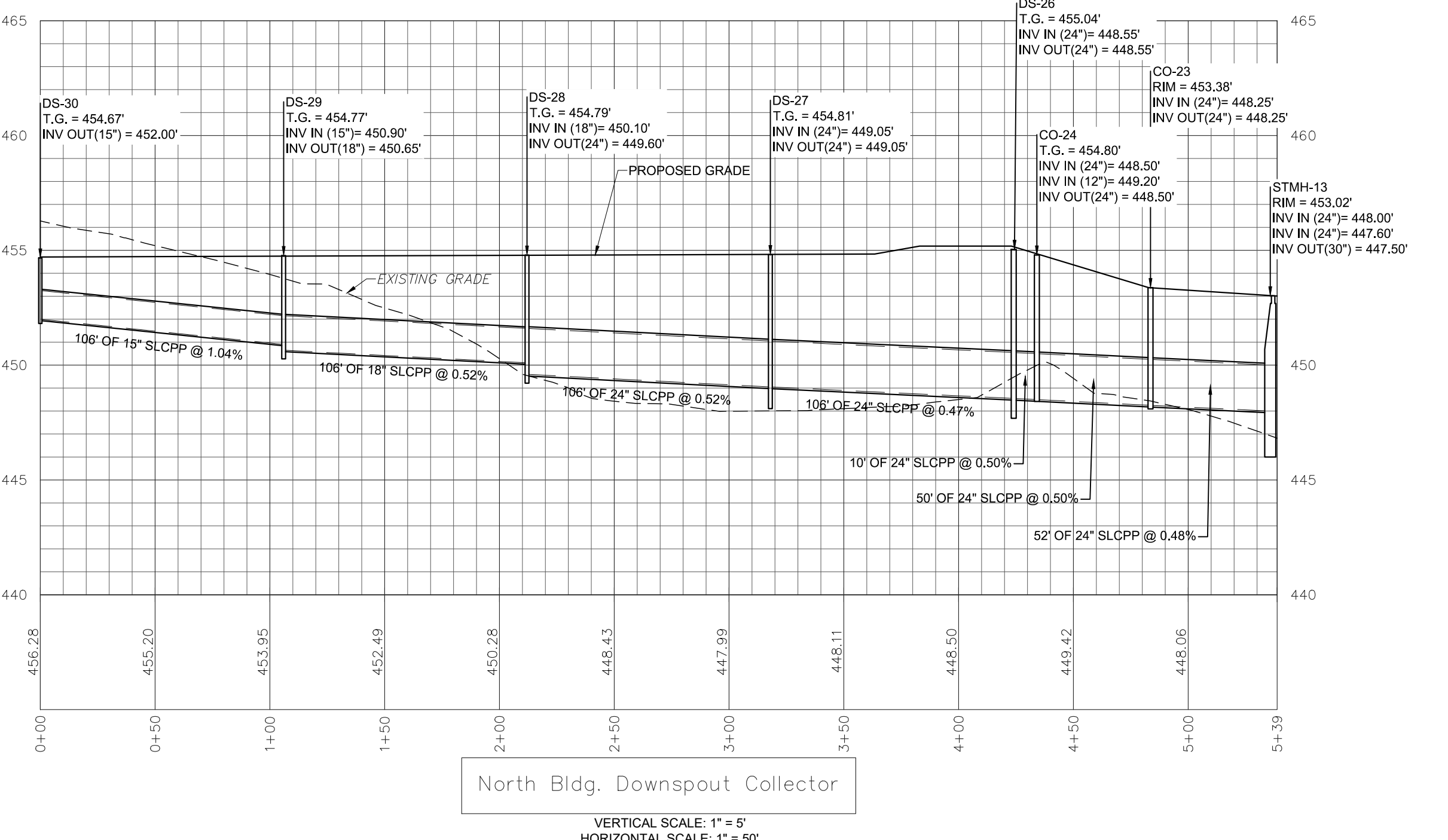
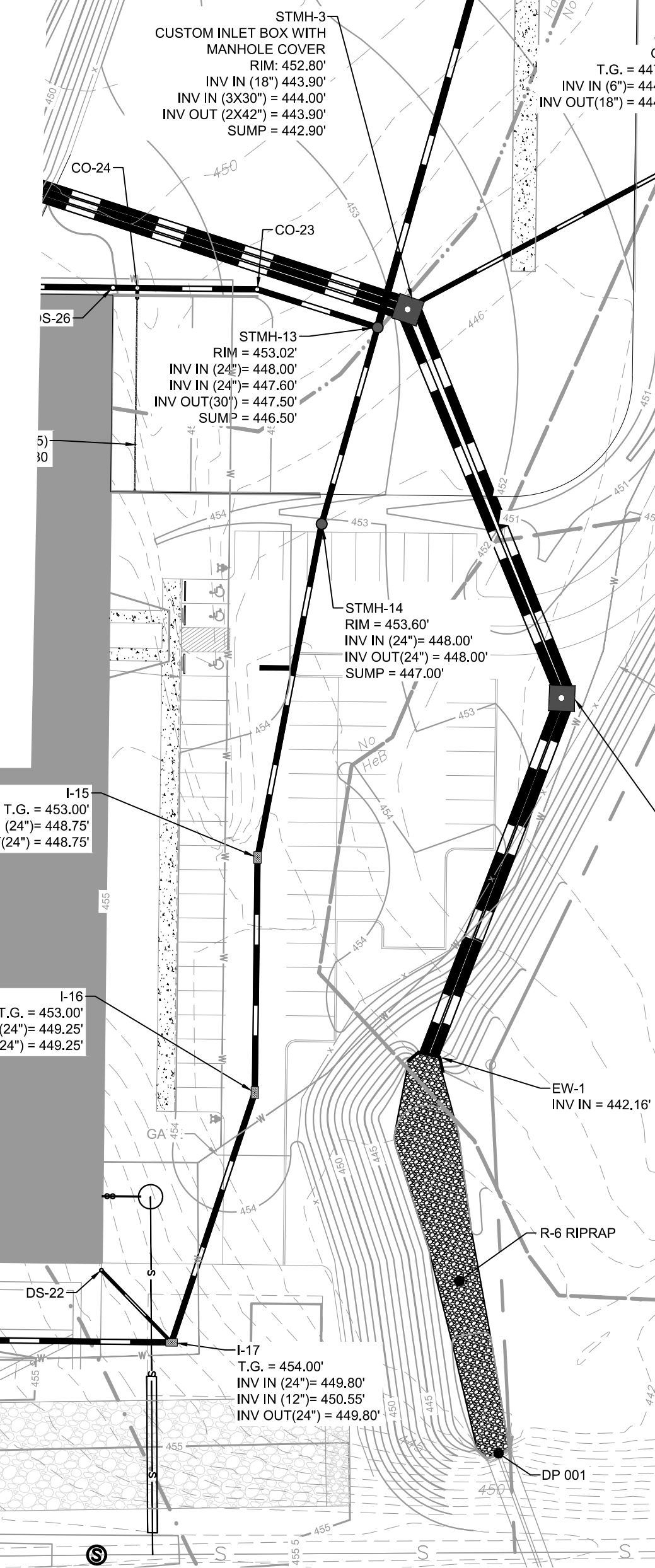
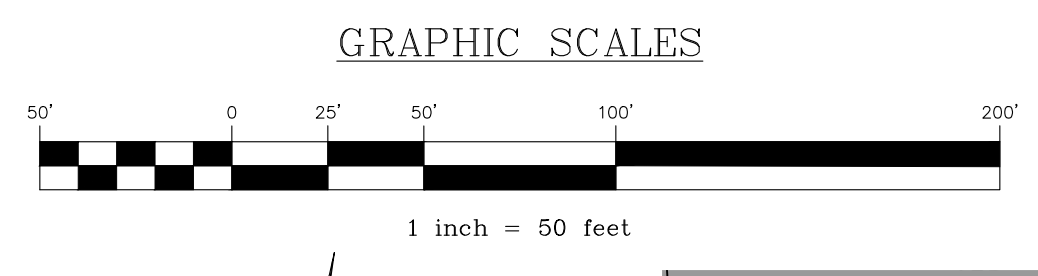
STORMWATER PROFILES
PRELIMINARY/FINAL SUBDIVISION & LAND DEVELOPMENT PLAN
For
FLEXO-PACK USA, INC.
located in
North Lebanon Township
Lebanon County, Pennsylvania

SCS
Engineering & Surveying, Inc.
279 North Zions Mill Road / Suite A
Lebanon, Pennsylvania 17042
Phone: (717) 272-7110
Fax: (717) 272-7346

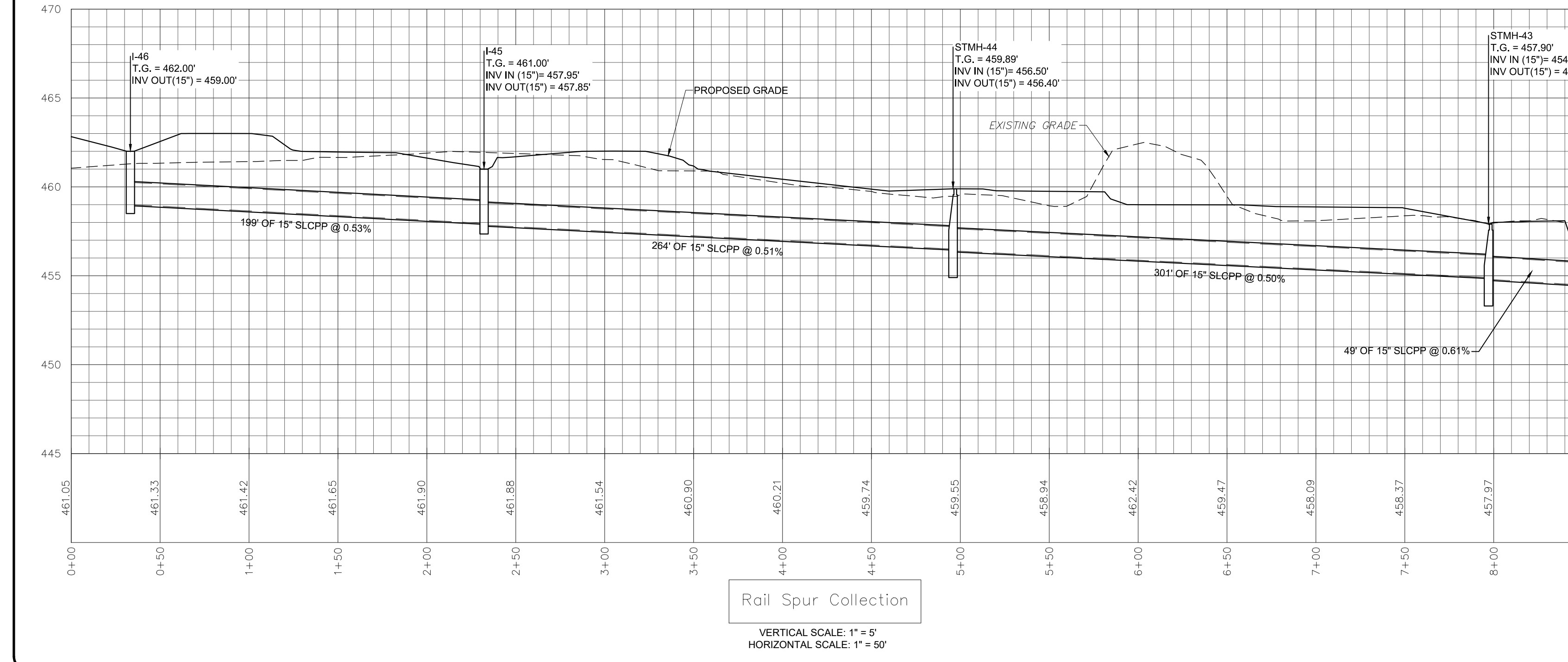
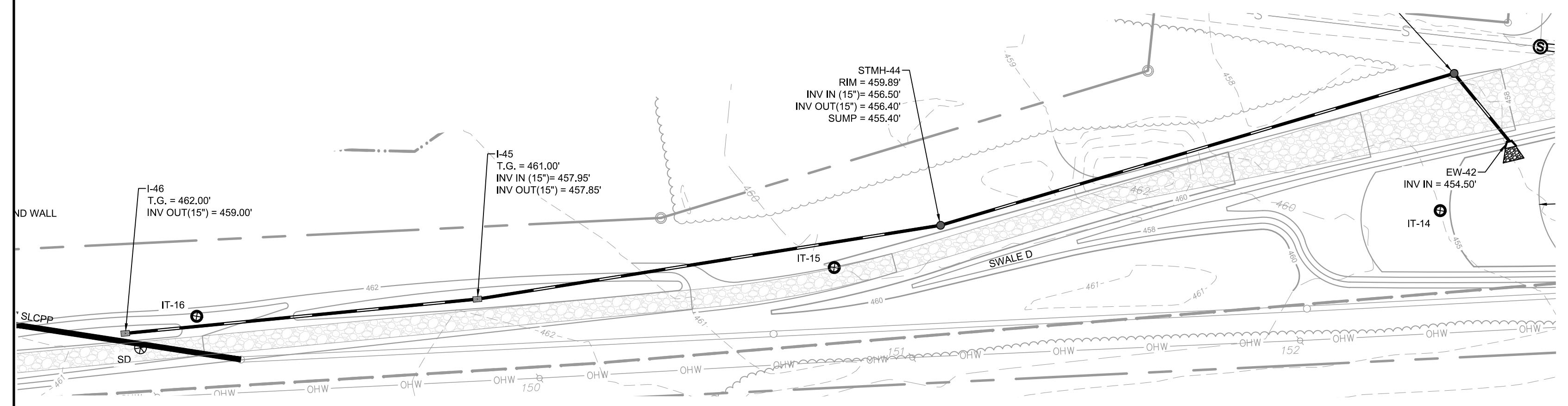
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BASE MAP:	DY
DRAWN:	ABK/JMK
DESIGN:	ABK/EJG
CHECKED:	ABK
DATE:	3/12/24
PROJECT #	132-23-007



UPPER TEAM MEMBER PARKING



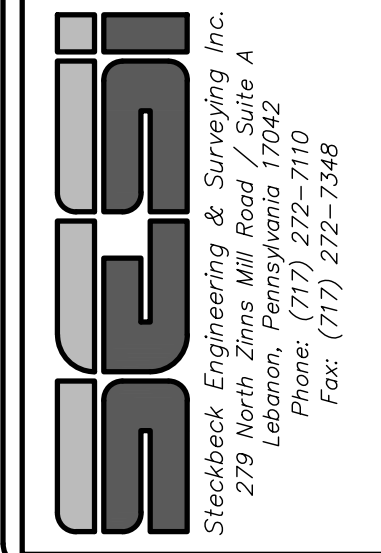
North Bldg. Downspout Collector



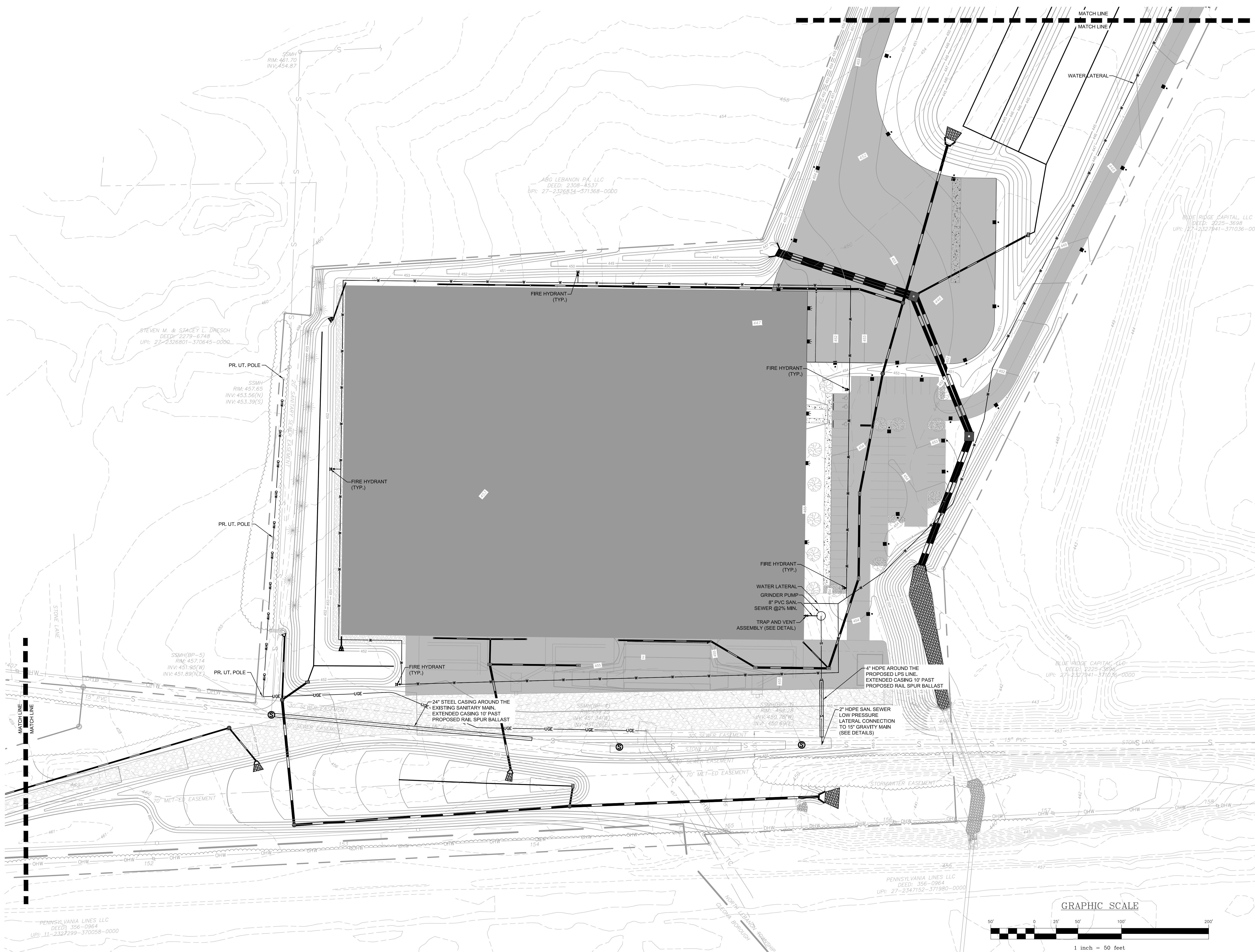
Rail Spur Collection

DATE	BY	REVISION
2/8/24	JMK	LCPD COMMENTS - 1/30/24
3/11/24	JMK/EJG	ARRO COMMENTS - 1/15/24
3/11/24	JMK	NLMA COMMENTS - 1/15/24

STORMWATER PROFILES
PRELIMINARY/FINAL SUBDIVISION & LAND DEVELOPMENT PLAN
 For
FLEXO-PACK USA, INC.
 located in
 North Lebanon Township
 Lebanon County, Pennsylvania



FIELD CREW:	SS/TB
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DRAWN:	ABK/JMK
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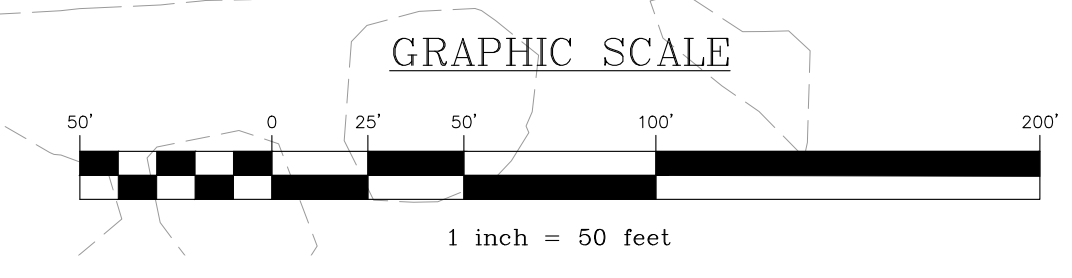


REVISION	DATE	BY
LCPD COMMENTS - 1/30/24	2/8/24	JMK
ARRO COMMENTS - 1/18/24	3/11/24	JMK/EJG
ULTIA COMMENTS - 1/16/24	3/11/24	JMK

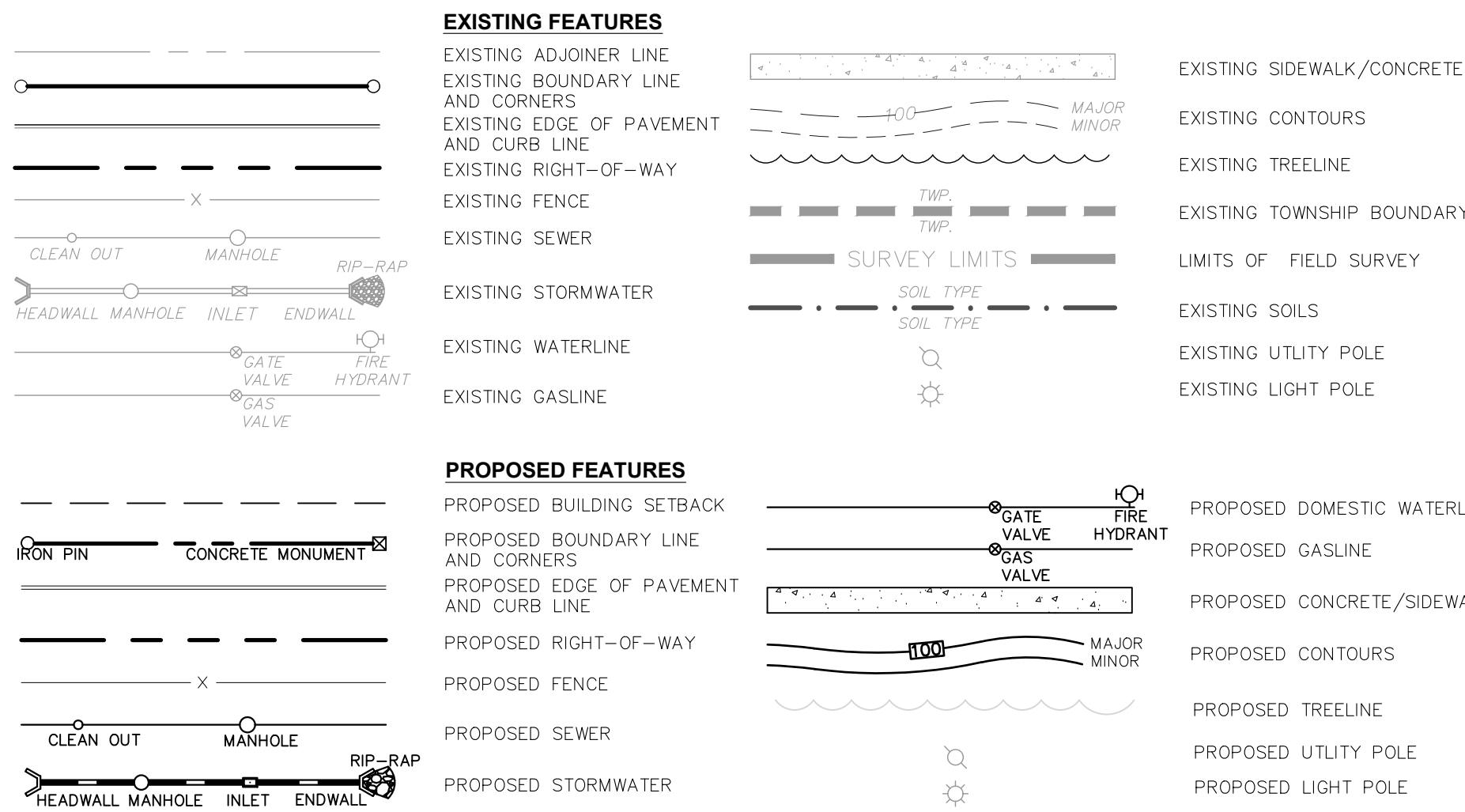
UTILITY PLAN
PRELIMINARY/FINAL SUBDIVISION & LAND DEVELOPMENT PLAN
 For
FLEXO-PACK USA, INC.
 located in
 North Lebanon Township
 Lebanon County, Pennsylvania

ESI
 Stedcheck Engineering & Surveying, Inc.
 279 North Zions Mill Road / Suite A
 Lebanon, Pennsylvania 17042
 Phone: (717) 222-7110
 Fax: (717) 222-7346

FIELD CREW: SS/TB
BASE MAP: DY
DRAWN: ABK/JMK
DESIGN: ABK/EJG
CHECKED: ABK
DATE: 3/12/24
PROJECT #132-23-007



LEGEND



WATER & SEWER NOTES:

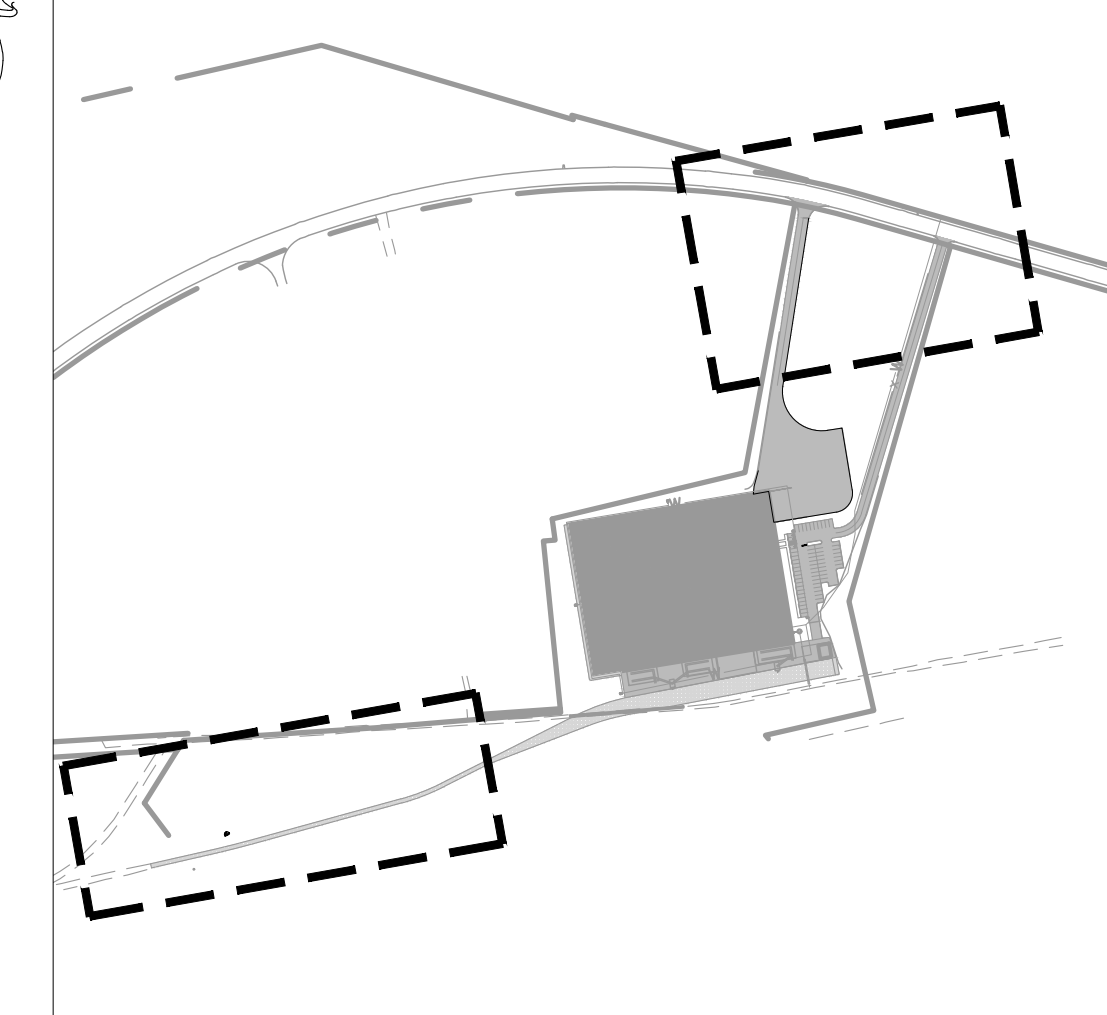
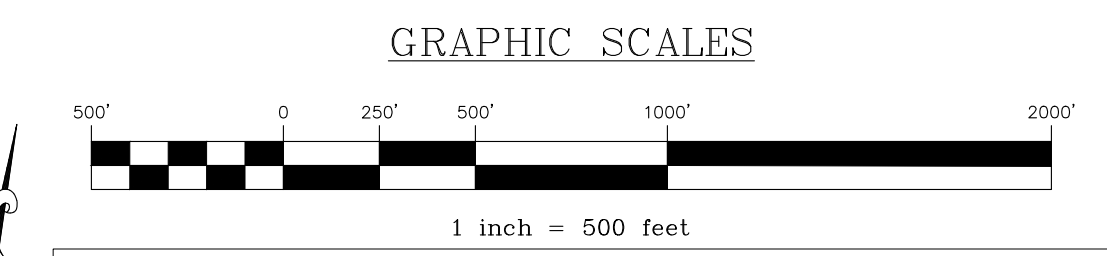
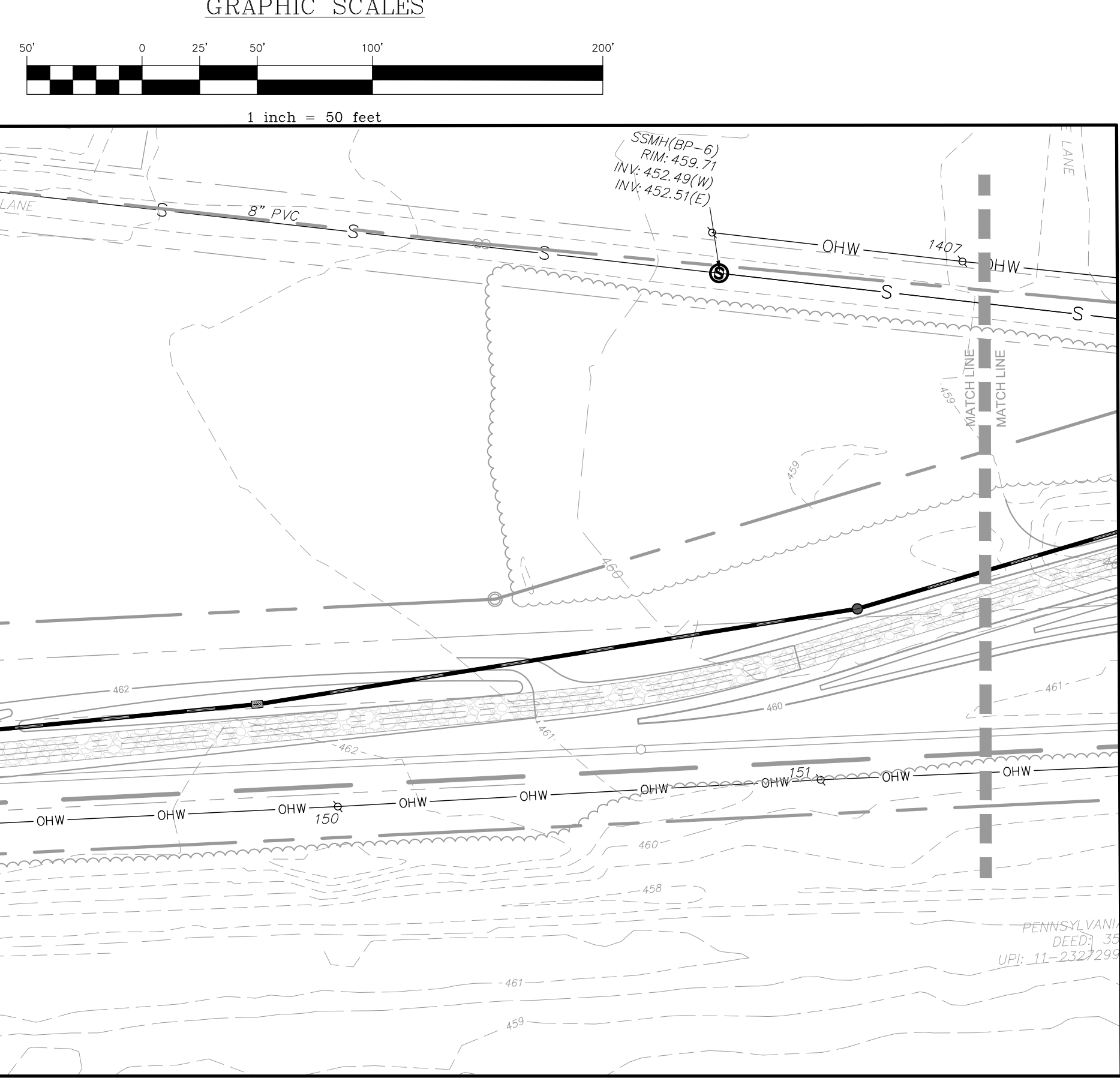
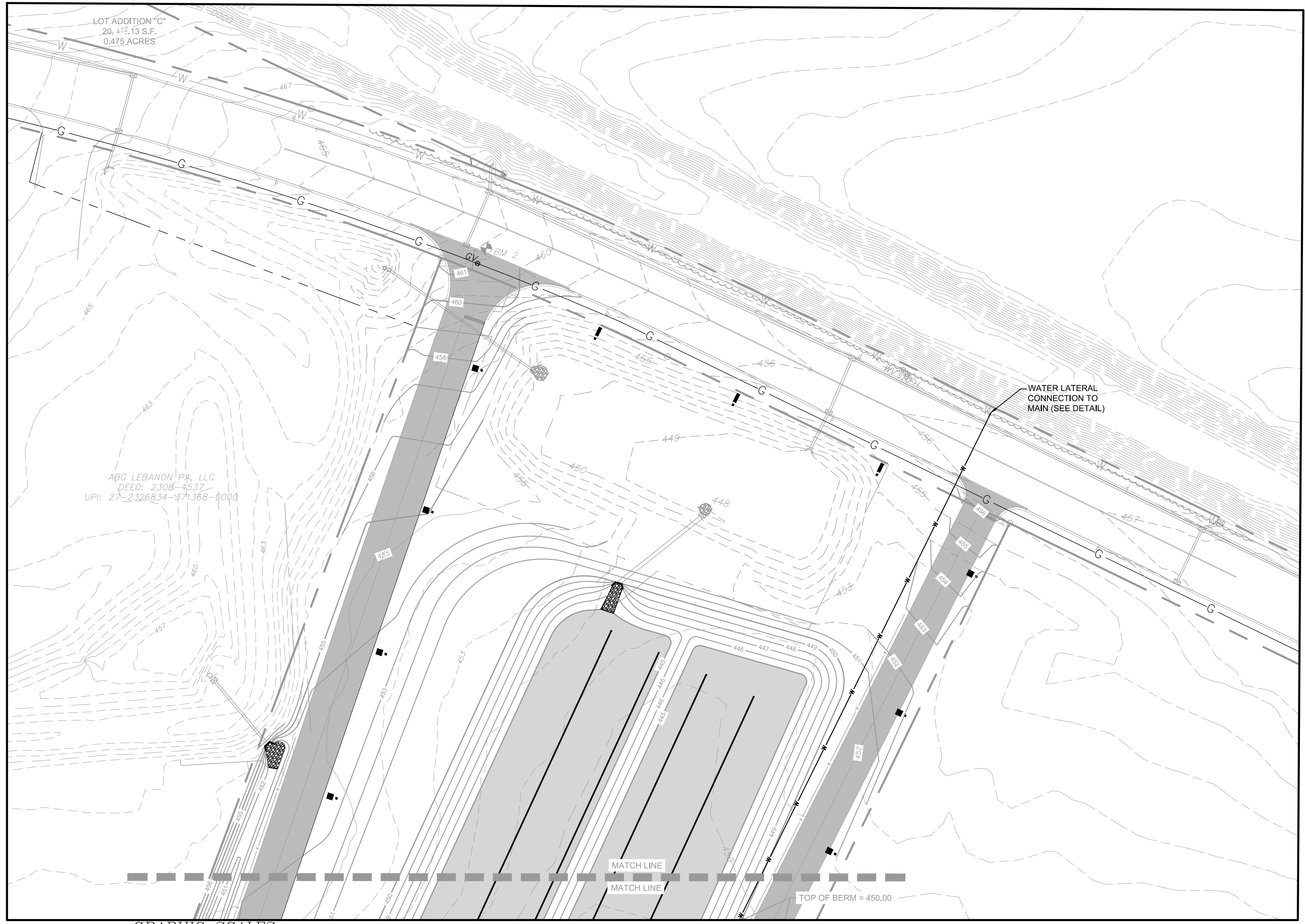
1. WATER CONNECTION TO THE PROPOSED BUILDING WILL BE PROVIDED BY AN EXTENSION OF THE EXISTING PUBLIC WATER SYSTEM.
2. SANITARY SEWER CONNECTION TO THE PROPOSED BUILDING WILL BE PROVIDED BY AN EXTENSION OF THE EXISTING PUBLIC SEWER SYSTEM. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH NORTH LEBANON TOWNSHIP MUNICIPAL AUTHORITY REGULATIONS.
3. ALL SANITARY SEWER WORK SHALL BE COMPLETED ACCORDING TO THE RULES AND REGULATIONS OF THE NORTH LEBANON TOWNSHIP MUNICIPAL AUTHORITY.
4. THE PLANS PROPOSE THE USE OF A GRINDER PUMP. PROPERTY OWNER SHALL BE RESPONSIBLE FOR THE DESIGN AND SIZING OF THE GRINDER PUMP. PRIOR TO COMMENCING CONSTRUCTION, DEVELOPER OR CONTRACTOR SHALL SUBMIT CATALOG CUTS AND PUMP PERFORMANCE CURVE OF THE PROPOSED GRINDER PUMP STATION TO NLMA FOR NLMA'S RECORDS. THE PERFORMANCE CURVE SHOULD INCLUDE THE PROJECTED PUMP OPERATING POINT. DEVELOPER'S ENGINEER SHALL SUBMIT CALCULATIONS TO SUPPORT PROPOSED DESIGN CONDITIONS.
5. THE GRINDER PUMP SHALL REMAIN PRIVATELY OWNED BY THE PROPERTY OWNER. OPERATION AND MAINTENANCE OF GRINDER PUMP SHALL BE THE SOLE RESPONSIBILITY OF THE PROPERTY OWNER.
6. THE DEVELOPER SHALL BE RESPONSIBLE FOR ALL FLOW BYPASSING COST ASSOCIATED WITH COMPLETING THE WORK.

STANDARD WATER NOTES - CITY OF LEBANON AUTHORITY:

1. CONTACT INFORMATION FOR THE CITY OF LEBANON AUTHORITY:
CITY OF LEBANON AUTHORITY
2311 RIDGEVIEW ROAD
LEBANON, PA 17042
CONTACT: BOB SENTZ, BSENTZ@LEBANONAUTHORITY.ORG, 717-272-2841
2. WATER SYSTEMS SHALL BE CONSTRUCTED AND TESTED IN ACCORDANCE WITH THE CITY OF LEBANON AUTHORITY'S "GENERAL SPECIFICATIONS FOR WATER SYSTEM CONSTRUCTION"
3. THE CONSTRUCTION OF WATER MAINS REQUIRES A WATER MAIN EXTENSION AGREEMENT BETWEEN THE DEVELOPER AND THE AUTHORITY.
4. EXISTING WATER MAINS ARE SHOWN AT AN APPROXIMATE LOCATION. THE CONTRACTOR SHALL EXCAVATE TEST PITS TO DETERMINE ACTUAL LOCATIONS AND VERIFY WATER MAIN SIZES AT UTILITY CROSSINGS, EXCAVATED AREAS, AND TIE-IN LOCATIONS.
5. WATER LATERAL CONNECTION REQUIRES AN APPLICATION AND PAYMENT FOR A CAPACITY FEE WITH THE AUTHORITY PRIOR TO MAKING THE WATER TAPS
6. FIRE SERVICE CONNECTION REQUIRES AN APPLICATION AND PAYMENT FOR A CAPACITY FEE WITH THE AUTHORITY PRIOR TO MAKING THE FIRE LINE TAP.
7. ANY WORK WITHIN PENNDOT RIGHT-OF-WAY REQUIRES A PENNDOT HIGHWAY OCCUPANCY PERMIT (HOP). THE PERMIT TYPICALLY IS REQUIRED TO BE IN THE AUTHORITY'S NAME, AND THE AUTHORITY REQUIRES THE CONTRACTOR TO PROVIDE A REFUNDABLE DEPOSIT TO THE AUTHORITY UNTIL PENNDOT SIGNS OFF ON THE PERMIT AFTER CONSTRUCTION IS COMPLETE.
8. ANY WORK WITHIN MUNICIPAL RIGHT-OF-WAYS MIGHT REQUIRE A MUNICIPAL PERMIT. THE PERMIT SHALL BE ACQUIRED IN THE CONTRACTOR'S NAME.
9. THE AUTHORITY SHALL APPROVE ALL MATERIALS PRIOR TO CONSTRUCTION.
10. A MANDATORY PRE-CONSTRUCTION MEETING SHALL BE HELD BETWEEN THE AUTHORITY, BUREAU OF WATER, AND WATERLINE CONSTRUCTION CONTRACTOR.
11. THE BUREAU OF WATER WILL INSPECT THE WATER MAIN INSTALLATION AND TESTING. THERE ARE FEES CHARGED TO THE DEVELOPER / CONTRACTOR FOR INSPECTION SERVICES. WATER MAIN CONSTRUCTION AND FEES SHALL BE COORDINATED WITH THE AUTHORITY.
12. THE PROPERTY OWNER / DEVELOPER SHALL INSTALL THE WATER TAP AND SERVICE LINE TO THE CURB STOP UNDER THE INSPECTION OF THE BUREAU OF WATER. THE PROPERTY OWNER IS RESPONSIBLE FOR THE WATER SERVICE AFTER THE CURB STOP. THE BUREAU OF WATER WILL INSTALL THE WATER METER WITHIN THE BUILDING OR AN APPROVED METER PIT AS INSTRUCTED BY THE BUREAU OF WATER. CONTACT THE BUREAU OF WATER METER DEPARTMENT FOR METER INSTALLATION, 2200 WEST CHESTNUT STREET, 717-273-2506.
13. WATER SERVICE LATERALS OVER 100- FEET FROM THE CURB STOP TO THE ENTRANCE OF THE BUILDING REQUIRES THE INSTALLATION OF A METER PIT WITHIN 10- FEET OF THE CURB STOP. METER PITS SHALL BE APPROVED BY THE METER DEPARTMENT PRIOR TO INSTALLATION.
14. SEWER AND WATER MAINS SHALL HAVE A MINIMUM OF AN 18-INCH SEPARATION, OR THE SEWER MAIN SHALL BE CONCRETE ENCASED IN THE AREA WHERE THE 18-INCH SEPARATION CANNOT BE MAINTAINED.
15. WATER MAINS AND LATERALS THAT ARE LESS THAN 18-INCHES FROM A STORM SEWER OR CULVERT SHALL BE INSULATED WITH A FOAM WRAP.
16. AT THE CONCLUSION OF THE INSTALLATION OF THE WATER SYSTEM AND SERVICE LINES, AND SUCCESSFUL TESTING THEREOF, THE WATER SYSTEM WILL BE OFFERED FOR DEDICATION TO THE CITY OF LEBANON AUTHORITY.
17. ALL EXISTING WATER LATERALS SHALL BE TERMINATED AT THE WATER MAIN BY TURNING OFF THE CORPORATION STOP AT THE MAIN, AND THE SERVICE LINES CUT AND CRIMPED WITHIN ONE FOOT OF THE CORPORATION STOP. ALL WORK, INCLUDING SAW CUTTING, EXCAVATION, LATERAL TERMINATION, BACKFILL, AND PAVING, SHALL BE DONE BY THE CONTRACTOR AND INSPECTED BY THE BUREAU OF WATER.

NLMA SANITARY SEWER NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ANY WAY.
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH NLMA STANDARDS.
3. PROPOSED GRAVITY LATERALS SHALL BE SLOPED AT A MINIMUM 1/4" PER FOOT, UNLESS OTHERWISE NOTED ON THE PLAN.
4. STANDARD CLEANOUTS MUST BE "SCREWED ON" CAPS (PLUGS) AND THEY ARE TO BE WATER TIGHT.
5. SPACE BETWEEN TEST TEE & SEWER MAIN WILL BE AS REQUIRED BY NLMA.
6. TRENCH MUST REMAIN OPEN FOR INSPECTION. ANY TRENCH THAT IS FILLED MUST BE UNCOVERED FOR INSPECTION. IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT NLMA FOR INSPECTION.
7. A PRE-CONSTRUCTION MEETING WILL BE REQUIRED.
8. METAL MARKING TAPE WILL BE PLACED IN THE PIPE FOR THE ENTIRE HORIZONTAL RUN.
9. AIR TESTING FOR ALL SEWER MAINS AND LATERALS SHALL BE 5LBS/5 MIN. NO DROP.
10. VACUUM TEST OF MANHOLES SHALL BE 10 LBS. VACUUM WITH AN ALLOWABLE DROP OF 1LB/1 MIN.
11. VACUUM TEST UNIT SHALL BE PLACED IN FRAME AREA ONLY.
12. LINE WILL BE PLUGGED AT THE COMPLETION OF EACH WORKDAY TO PREVENT DEBRIS AND WATER FROM ENTERING THE LINE.
13. AN APPOINTED NLMA INSPECTOR MUST BE PRESENT AT ALL TIMES WHEN ANY SEWER WORK IS PERFORMED.
14. INSPECTORS WILL BE AVAILABLE FROM 8 AM TO 3 PM. A 1/2 HOUR LUNCH BREAK WILL BE TAKEN DAILY DURING WHICH TIME NO SEWER WORK WILL BE ALLOWED.
15. ALL LINES SHALL BE FLUSHED WITH FRESH WATER TO CLEAR CONSTRUCTION DEBRIS UPON COMPLETION OF THE PROJECT.
16. MANDRELL TESTING WILL BE CONDUCTED FOR ALIGNMENT OF THE PIPE.
17. DAMAGED OR CRACKED MANHOLE SECTIONS WILL BE REJECTED.
18. DOUBLE MASTIC ON ALL JOINTS ON MANHOLES.
19. STEPS MUST BE ALIGNED.
20. NO CONCRETE PATCHING OF ANY KIND WILL BE ACCEPTED ON LEAKING JOINTS OR ON ANY CRACKED OR DAMAGED MANHOLES SECTIONS.
21. DROVING OF THE INVERT IN ANY INVERT OUT PIPES SHALL BE DONE.
22. AFTER CONSTRUCTION IS COMPLETE THE CONSTRUCTED SEWER SHALL NOT BE TESTED UNTIL 30 DAYS HAS PASSED.
23. NO DROP MANHOLES OR INSIDE SPLASH MANHOLES WILL BE ALLOWED.
24. RE-BAR MUST BE INSTALLED AT THE END OF EACH LATERAL CONNECTED TO THE MAIN TO FACILITATE LATERAL LOCATION.
25. BUILDING OWNER SHALL BE REQUIRED TO PARTICIPATE IN THE NLMA "STRONG WASTE MANAGEMENT PROGRAM" WHICH REQUIRES AN AGREEMENT BY THE OWNER TO MONITOR, SAMPLE AND TEST SEWAGE DISCHARGE SEMI-ANNUALLY AT OWNER'S EXPENSE AND SUPPLY RESULTS TO NLMA.
26. BUILDING OWNER GRANTS PERPETUAL RIGHT OF ACCESS TO THE SEWER LATERALS AND MANHOLES SHOWN HEREON FOR PURPOSES OF INSPECTION, MONITORING AND/OR SAMPLING.
27. NO PRODUCTION AREA OR STORAGE AREA FLOOR DRAINS ARE ALLOWED.
28. THE APPLICANT ACKNOWLEDGES THAT APPROVAL OF THIS LAND DEVELOPMENT PLAN DOES NOT CONSTITUTE APPROVAL OF THE WASTEWATER DISCHARGE FROM THE PROPOSED FACILITY. APPLICANT ACKNOWLEDGES THAT DISCHARGE MUST COMPLY WITH THE CRITERIA SET FORTH IN THE NORTH LEBANON TOWNSHIP MUNICIPAL AUTHORITY (NLMA) STRONG WASTE MANAGEMENT ORDINANCE. COMPLIANCE WITH THE ORDINANCE MIGHT NECESSITATE THAT APPLICANT CONSTRUCT PRE-TREATMENT FACILITIES TO TREAT WASTEWATER PRIOR TO DISCHARGE INTO THE NLMA SEWER SYSTEM. APPLICANT ACKNOWLEDGES THEY ARE REQUIRED TO MAKE APPLICATION TO NLMA FOR A STRONG WASTE MANAGEMENT PERMIT AND THAT NO DISCHARGE FROM THE SUBJECT FACILITY CAN COMMENCE UNTIL APPROVAL HAS BEEN GRANTED BY NLMA AND/OR THE PERMIT HAS BEEN ISSUED IF PERMIT IS DEEMED NECESSARY BY NLMA UNDER THE TERMS OF THE STRONG WASTE MANAGEMENT ORDINANCE.
29. IT IS A REQUIREMENT THAT A NEW LAND DEVELOPMENT PLAN SHALL BE FILED WITH THE TOWNSHIP AND COUNTY FOR ANY FUTURE EXPANSION OF THE FACILITIES ON THIS SITE. THE TOWNSHIP AND MUNICIPAL AUTHORITY SHALL HAVE THE RIGHT TO REVISE OR AMEND THE NOTES AND REQUIREMENTS SET FORTH ON THIS PLAN AND TO REVISE OR AMEND THE DEVELOPER AGREEMENTS WHENEVER A NEW LAND DEVELOPMENT PLAN IS FILED.
30. BUILDING OWNER GRANTS PERPETUAL RIGHT OF ACCESS TO NLMA, ITS EMPLOYEES, AGENTS OR ASSIGNS FOR THE SEWER LATERALS AND MANHOLES SHOWN HEREON FOR PURPOSES OF INSPECTION, MONITORING AND/OR SAMPLING. NLMA HAS GRANTED APPROVAL OF THE SEWER DESIGN DEPICTED ON THIS PLAN UNDER THE FOLLOWING CONDITIONS:
 1. ALL FEES SHALL BE PAID BEFORE A SEWER PERMIT WILL BE ISSUED.
 2. THE STRONG WASTE PERMIT APPLICATION SHALL BE APPROVED AND ANY PRE-TREATMENT REQUIRED BY NLMA SHALL BE INSTALLED AND OPERABLE TO THE SATISFACTION OF NLMA BEFORE CONNECTION OR USE OF THE NLMA SEWER SYSTEM IS PERMITTED.
 3. THE STRONG WASTE PERMIT MAY BE AMENDED AT ANY TIME BY THE NLMA BASED UPON LAB TESTING AND QUALITY OF THE APPLICANT'S SEWAGE DISCHARGE WHICH IS VARIABLE, WITH SUCH CHANGES TO PRE-TREATMENT DEEMED NECESSARY TO ASSURE THAT THE APPLICANT'S DISCHARGE MEETS ALL APPLICABLE NLMA STANDARDS.

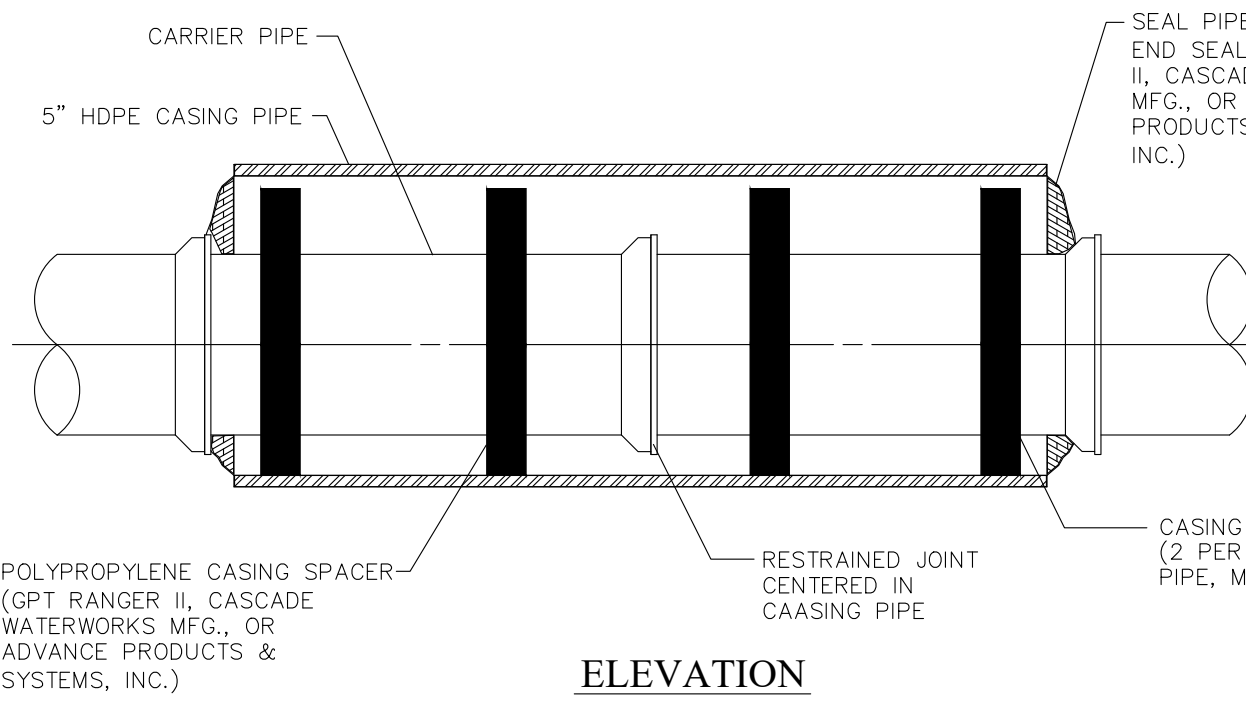
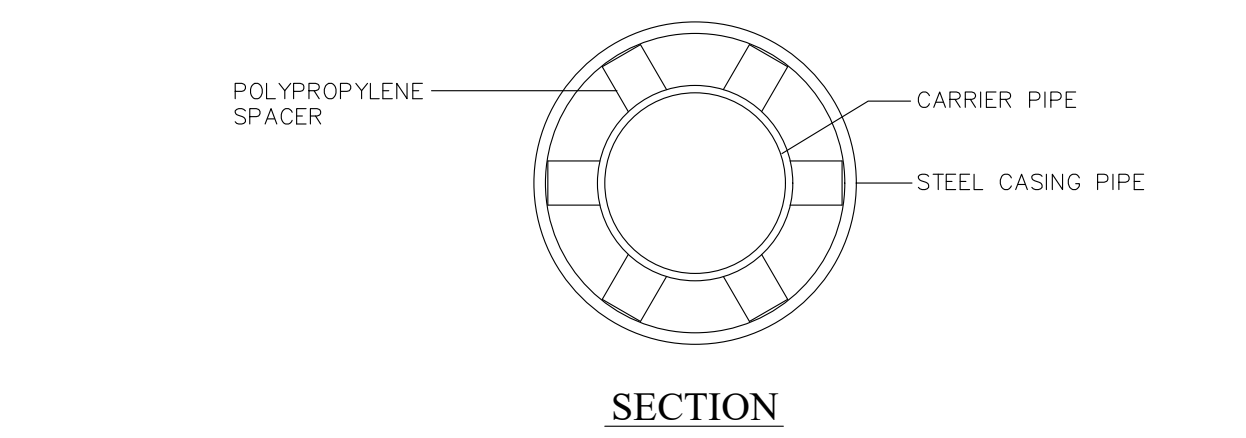


REVISION	DATE	BY
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ARRO COMMENTS -	1/18/24	JMK/EJC
NLMA COMMENTS -	1/16/24	JMK

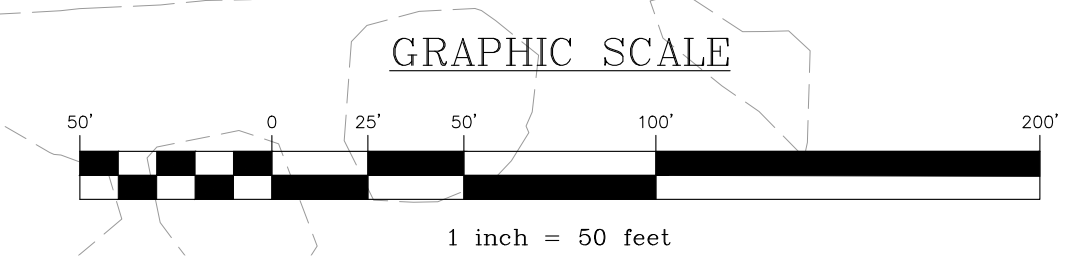
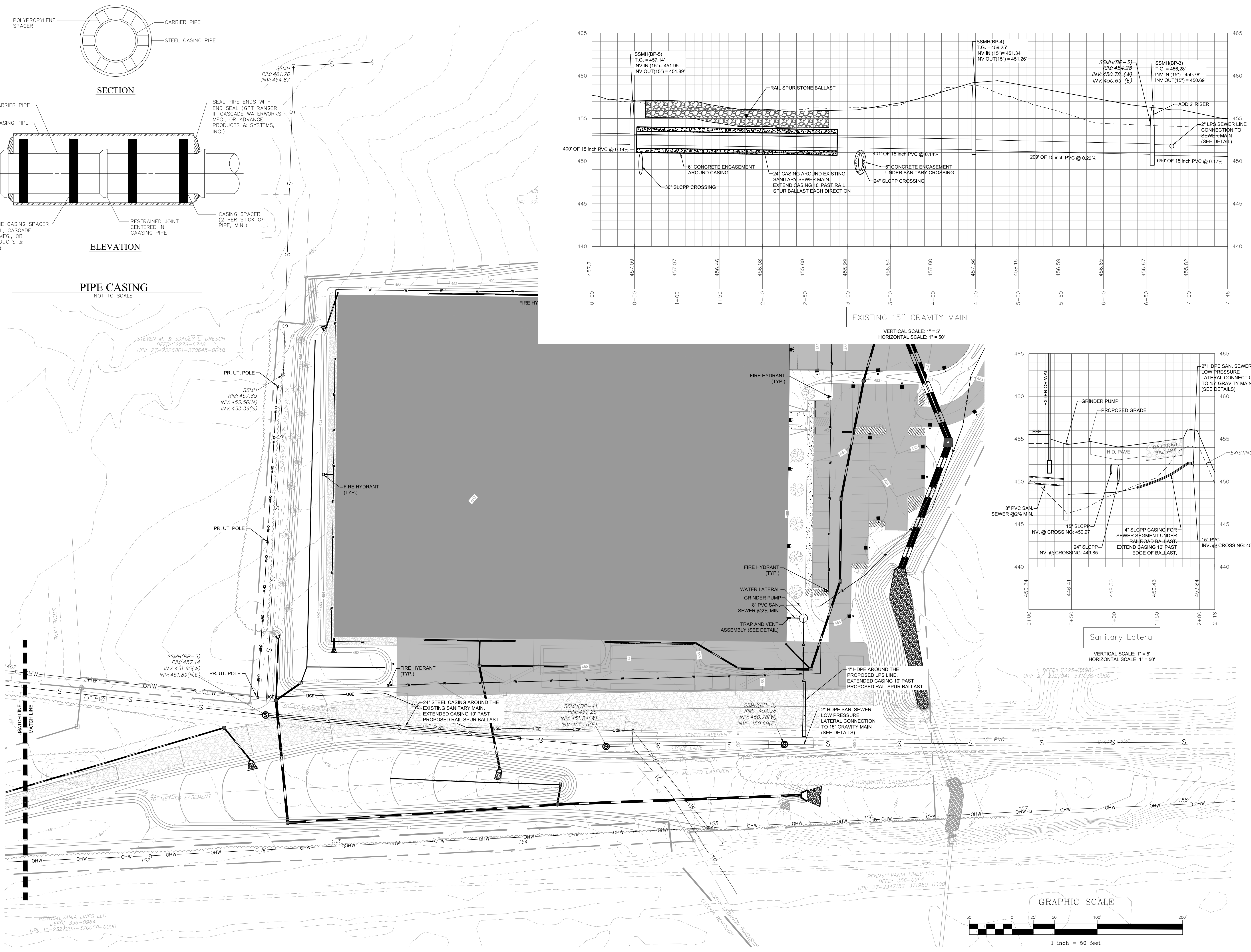
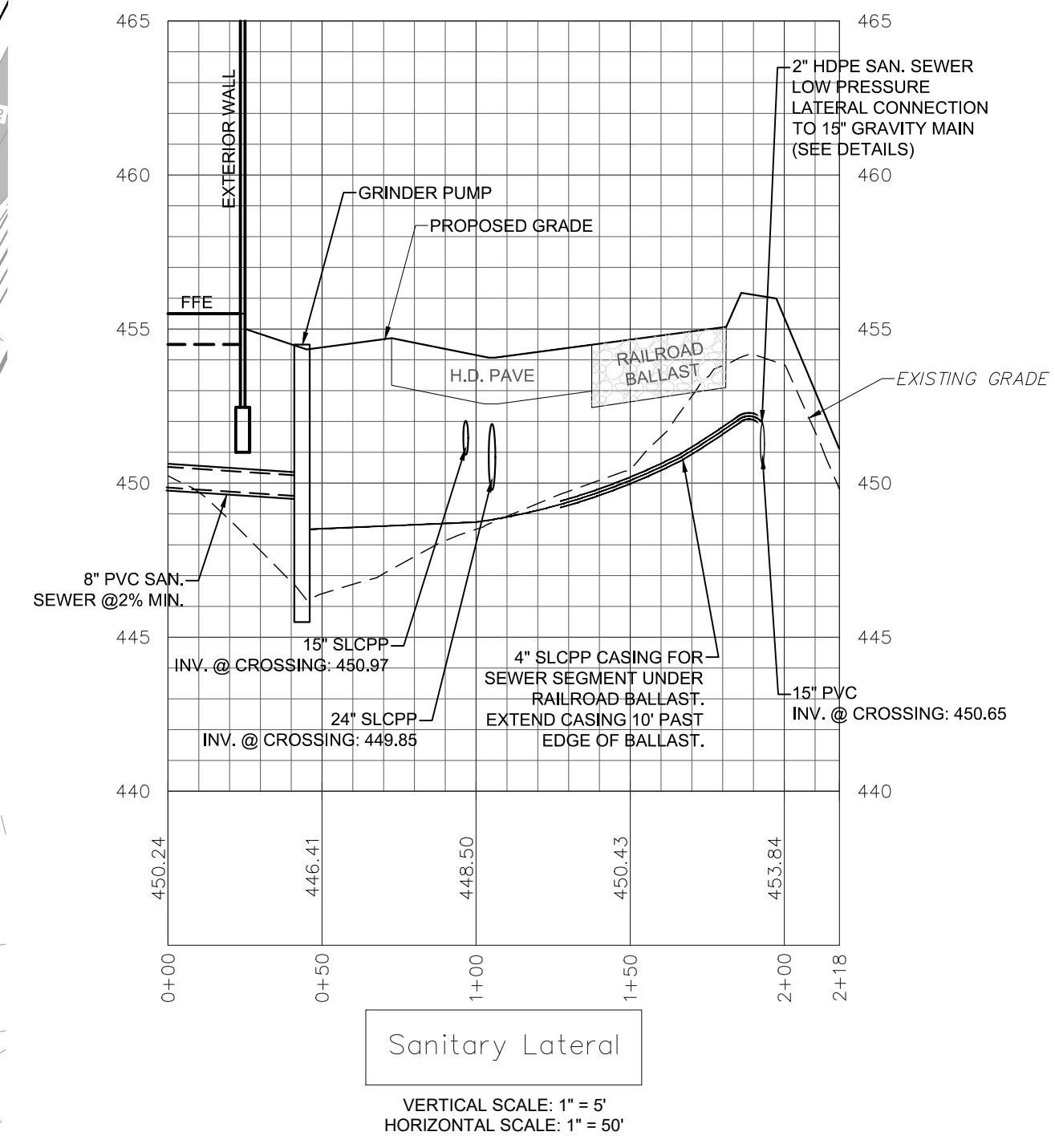
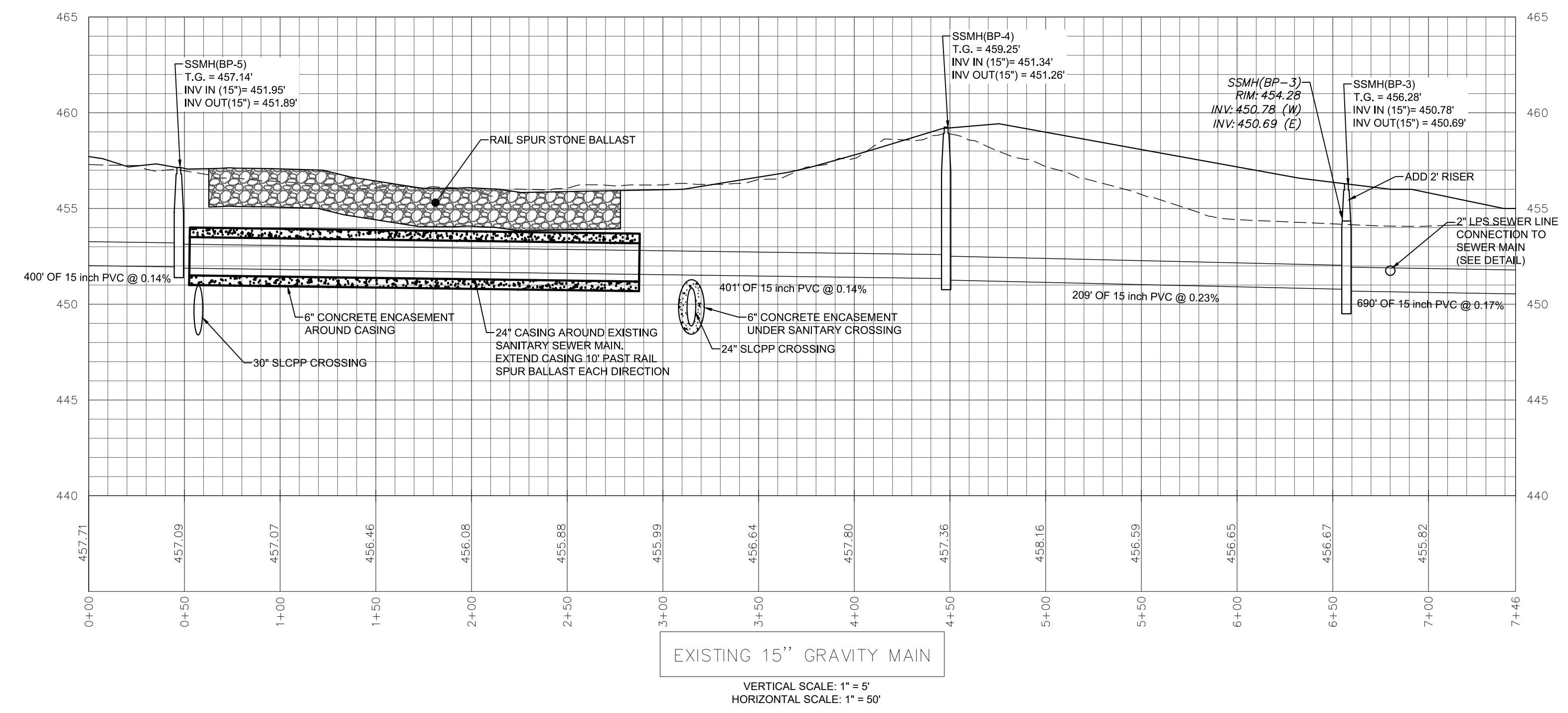
UTILITY PLAN
PRELIMINARY/FINAL SUBDIVISION & LAND DEVELOPMENT PLAN
 For
FLEXPAC USA, INC.
 located in
 North Lebanon Township
 Lebanon County, Pennsylvania

ESI
 Steebbeck Engineering & Surveying, Inc.
 279 Lebanon, Pennsylvania 17042
 Phone: (717) 272-7110
 Fax: (717) 272-2548

FIELD CREW:	SS/TB
BASE MAP:	DY
DRAWN:	ABK/JMK
DESIGN:	ABK/EJC
CHECKED:	ABK
DATE:	3/12/24
PROJECT #	132-23-007



PIPE CASING
NOT TO SCALE



REVISION	DATE	BY
LCPD COMMENTS - 1/30/24	2/8/24	JMK
ARRO COMMENTS - 1/18/24	3/11/24	JMK/EJG
NLTHA COMMENTS - 1/16/24	3/11/24	JMK

UTILITY PROFILES
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Engineering & Surveying, Inc.
279 North Zions Mill Road / Suite A
Lebanon, Pennsylvania 17042
Phone: (717) 222-7110
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FIELD CREW: SS/TB
BASE MAP: DY
DRAWN: ABK/JMK
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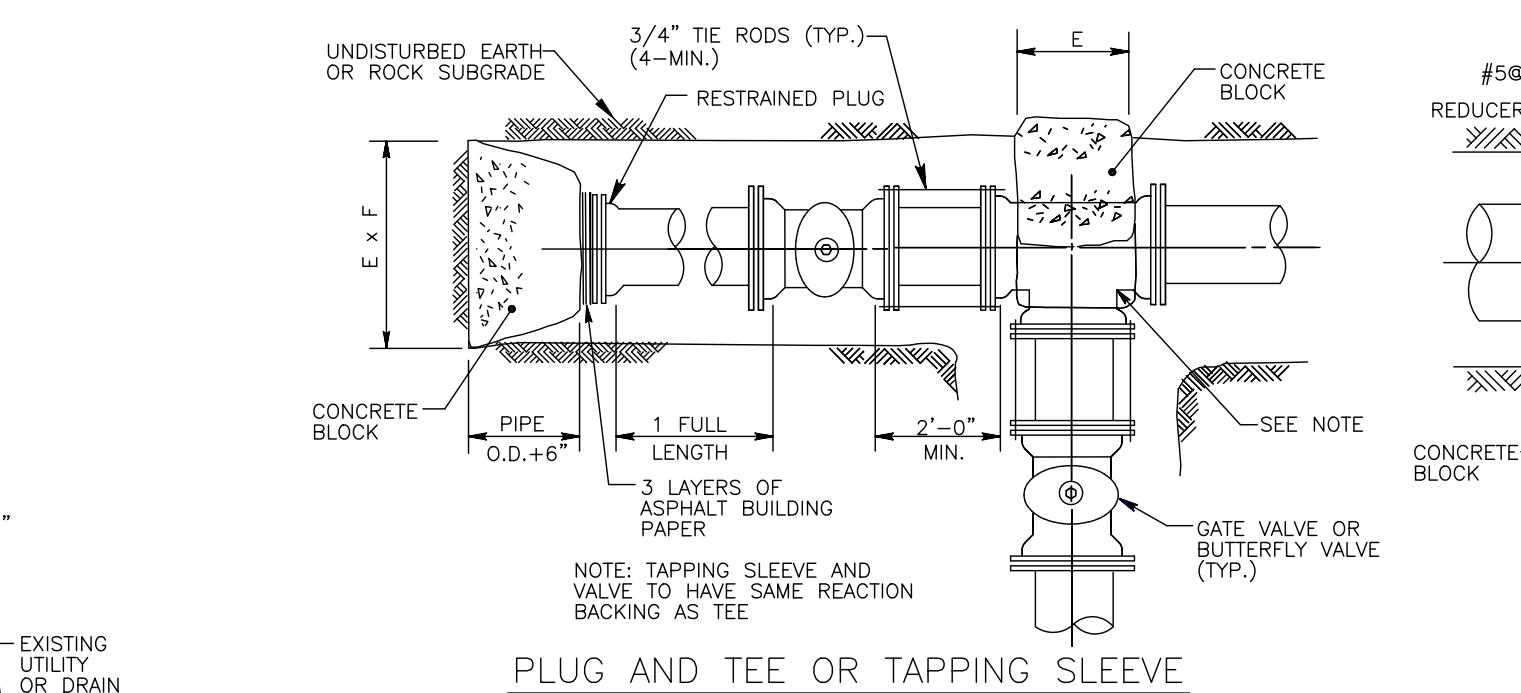
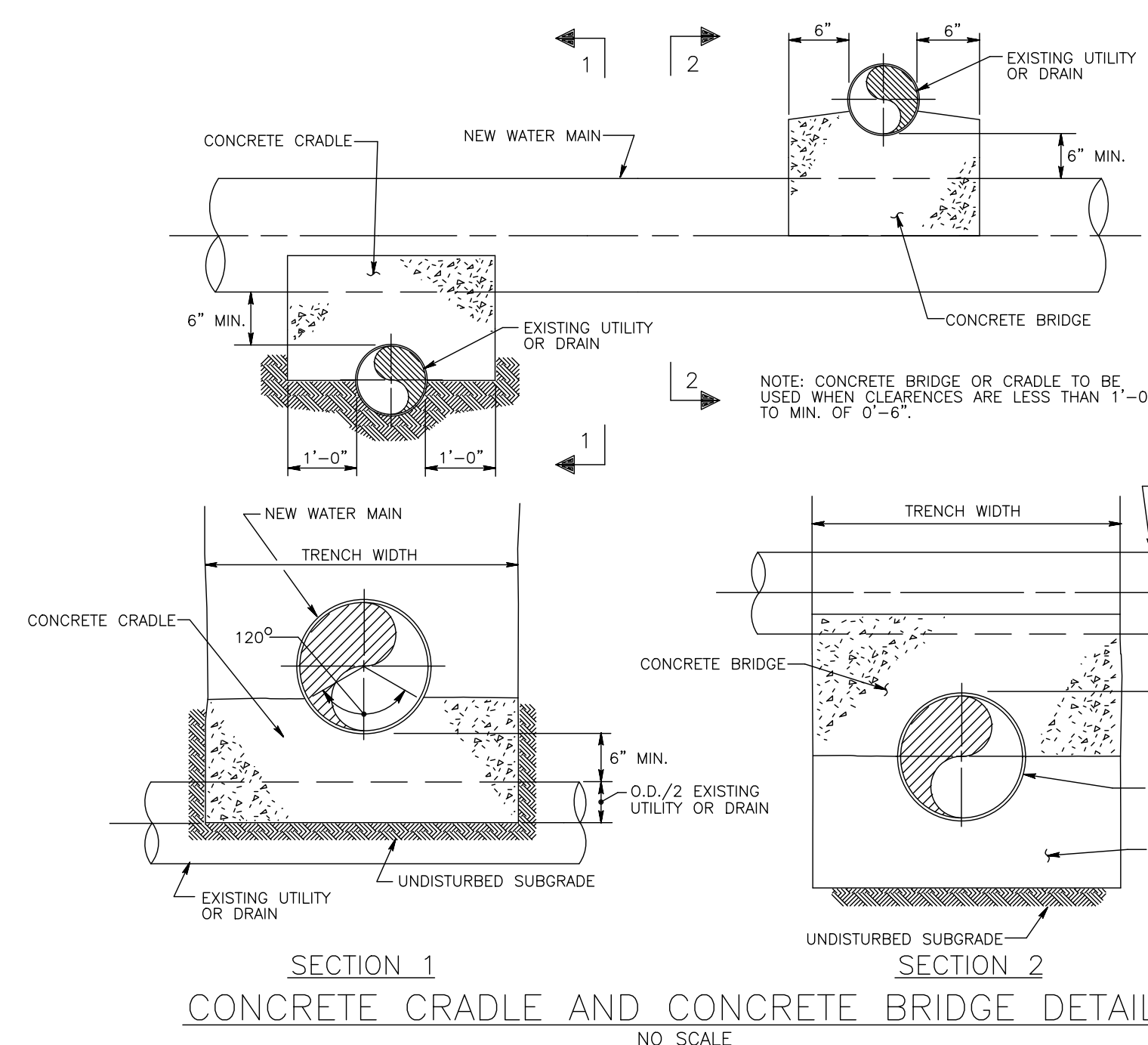
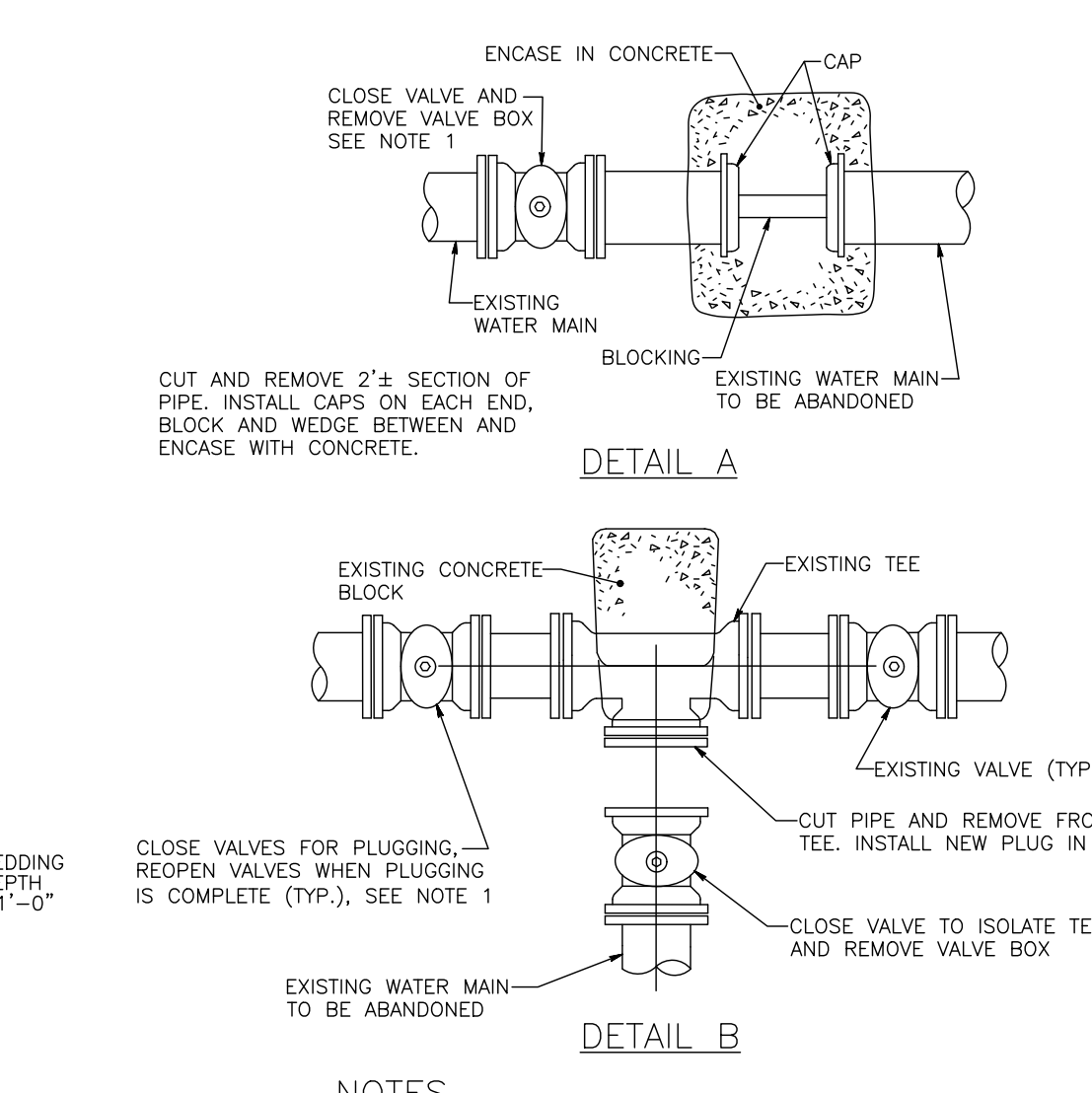
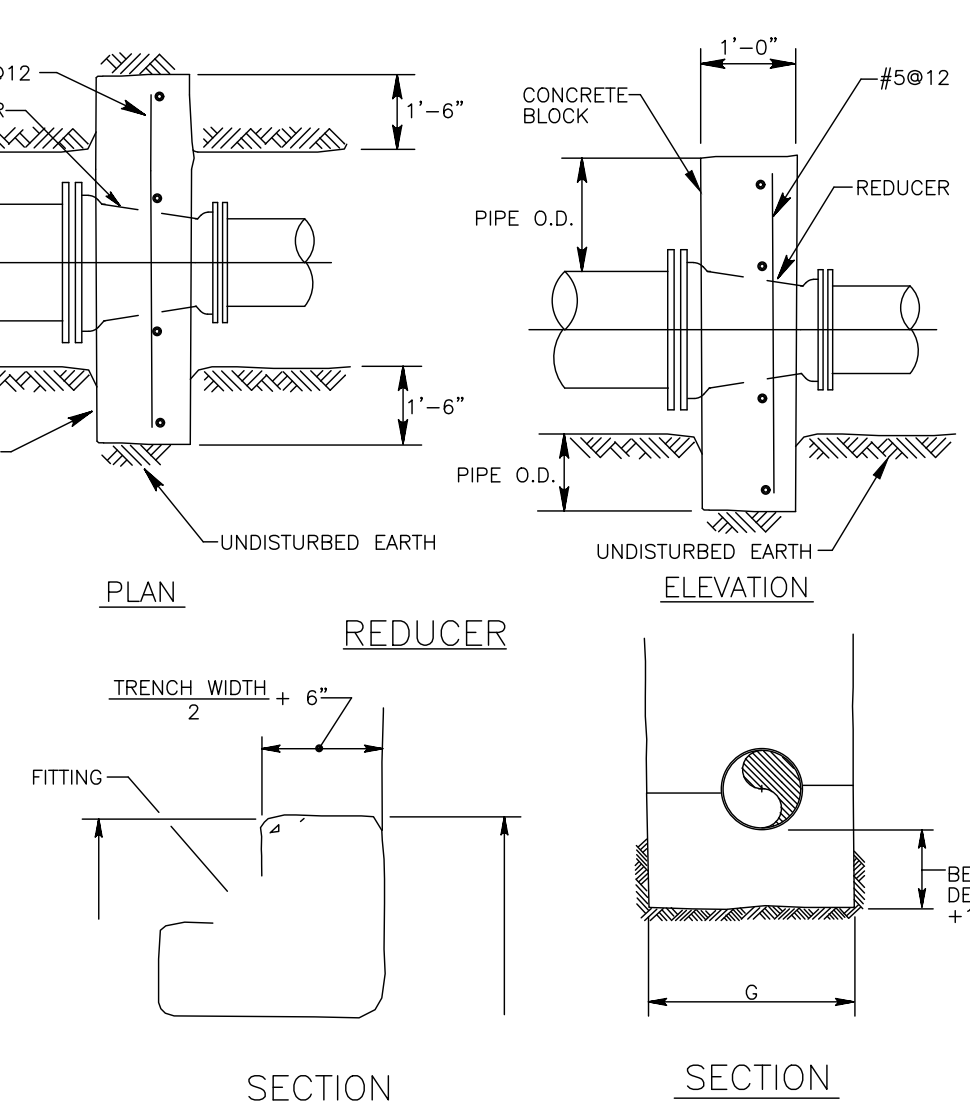


TABLE OF REACTION BACKING DIMENSIONS

PIPE DIA.	TEST PRESSURE (PSI)	A	B	C	D	E	F	G	H	I	J	K	L	M
24"	150	1'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	45	22 1/2	11 1/4	45	22 1/2	11 1/4
20"	150	8'-4"	8'-4"	8'-4"	8'-4"	8'-4"	8'-4"	8'-4"	8'-4"	8'-4"	8'-4"	8'-4"	8'-4"	8'-4"
16"	150	6'-2"	6'-2"	6'-2"	6'-2"	6'-2"	6'-2"	6'-2"	6'-2"	6'-2"	6'-2"	6'-2"	6'-2"	6'-2"
12"	150	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"
10"	150	4'-3"	4'-3"	4'-3"	4'-3"	4'-3"	4'-3"	4'-3"	4'-3"	4'-3"	4'-3"	4'-3"	4'-3"	4'-3"
8"	150	3'-6"	3'-6"	3'-6"	3'-6"	3'-6"	3'-6"	3'-6"	3'-6"	3'-6"	3'-6"	3'-6"	3'-6"	3'-6"
6"	150	2'-8"	2'-8"	2'-8"	2'-8"	2'-8"	2'-8"	2'-8"	2'-8"	2'-8"	2'-8"	2'-8"	2'-8"	2'-8"
4"	150	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"

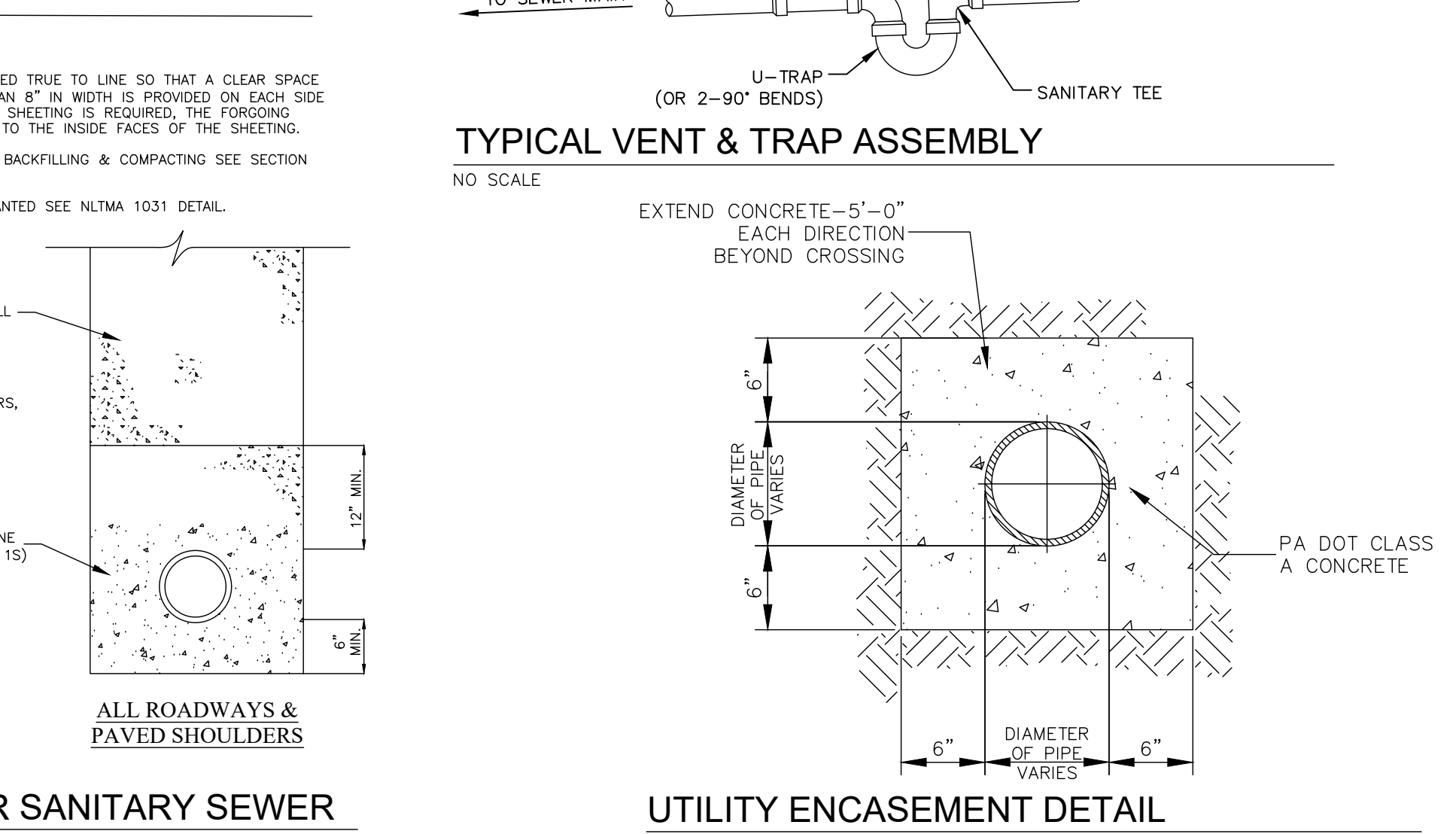
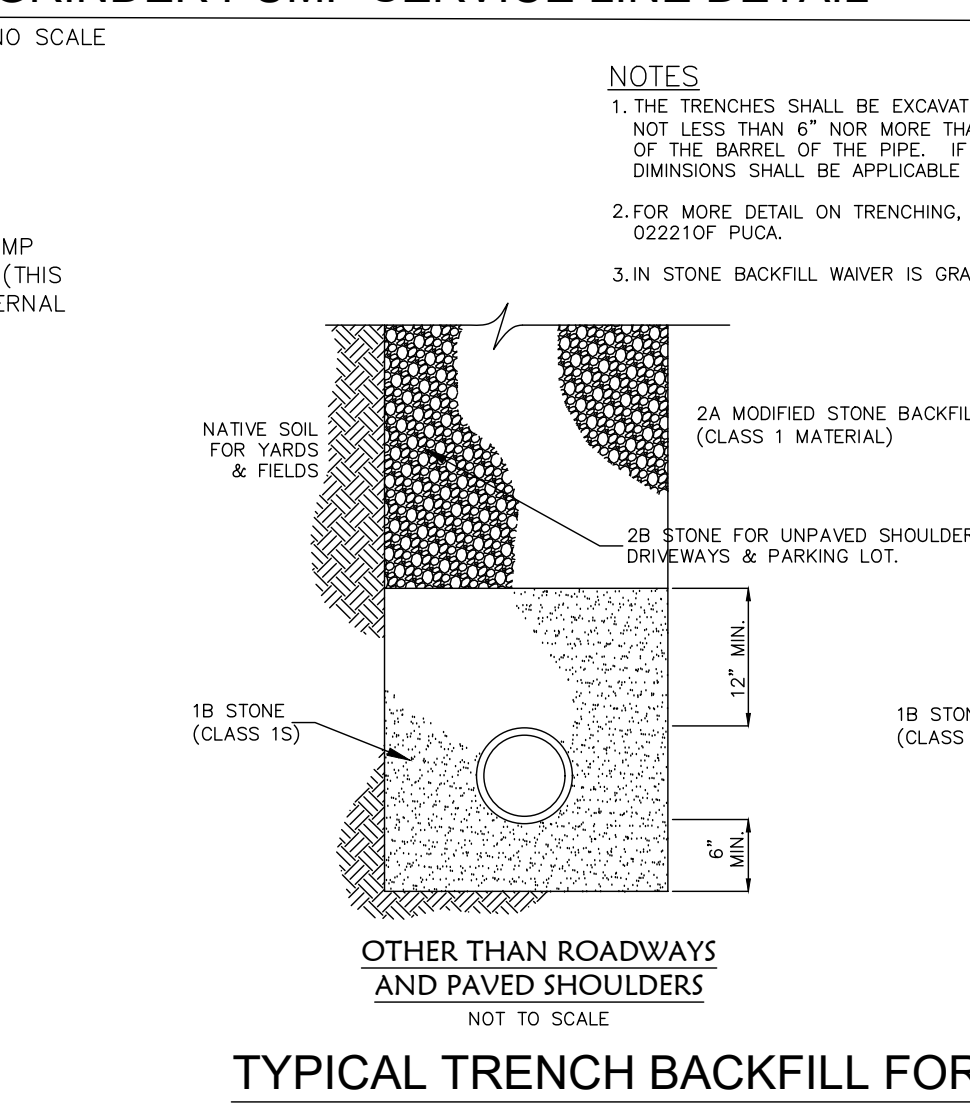
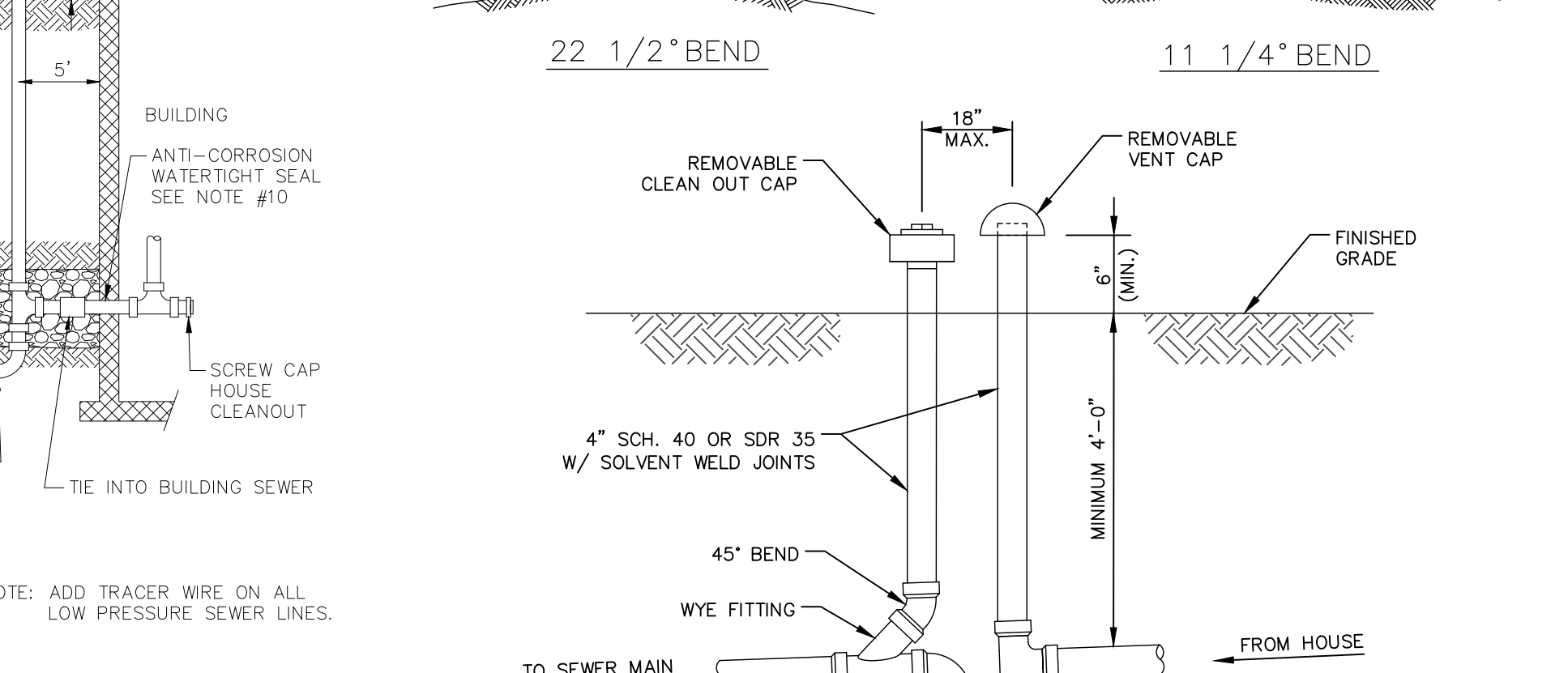
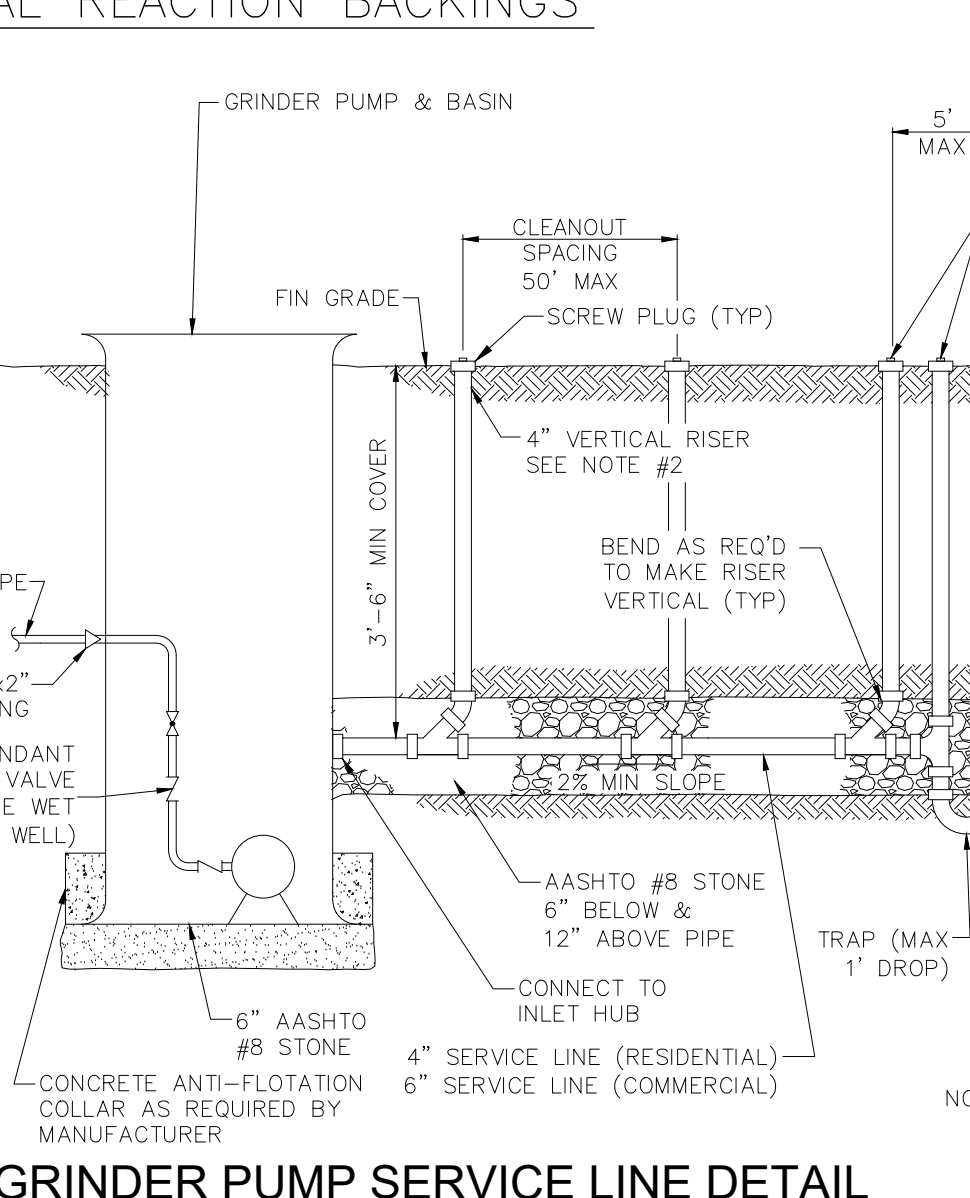
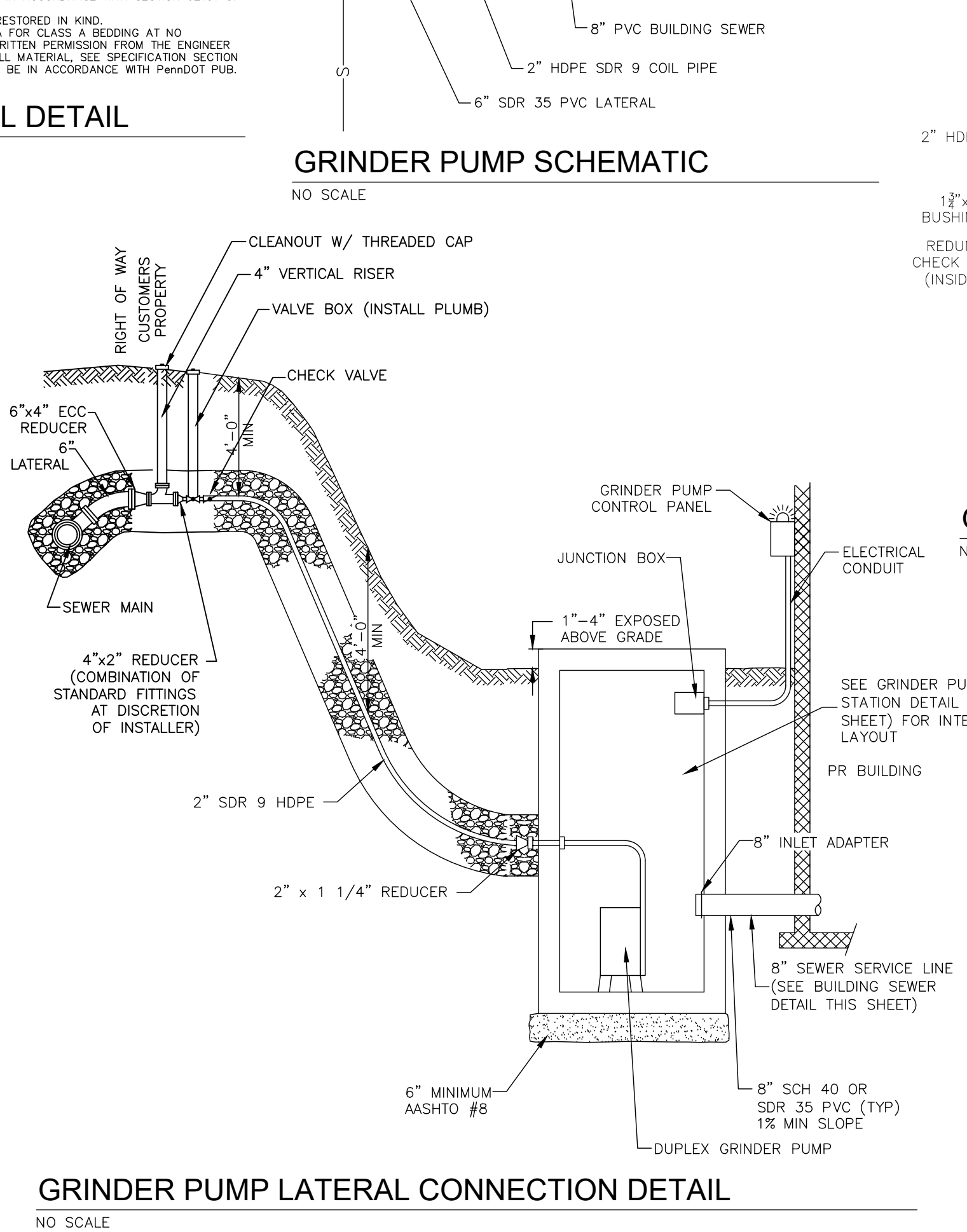
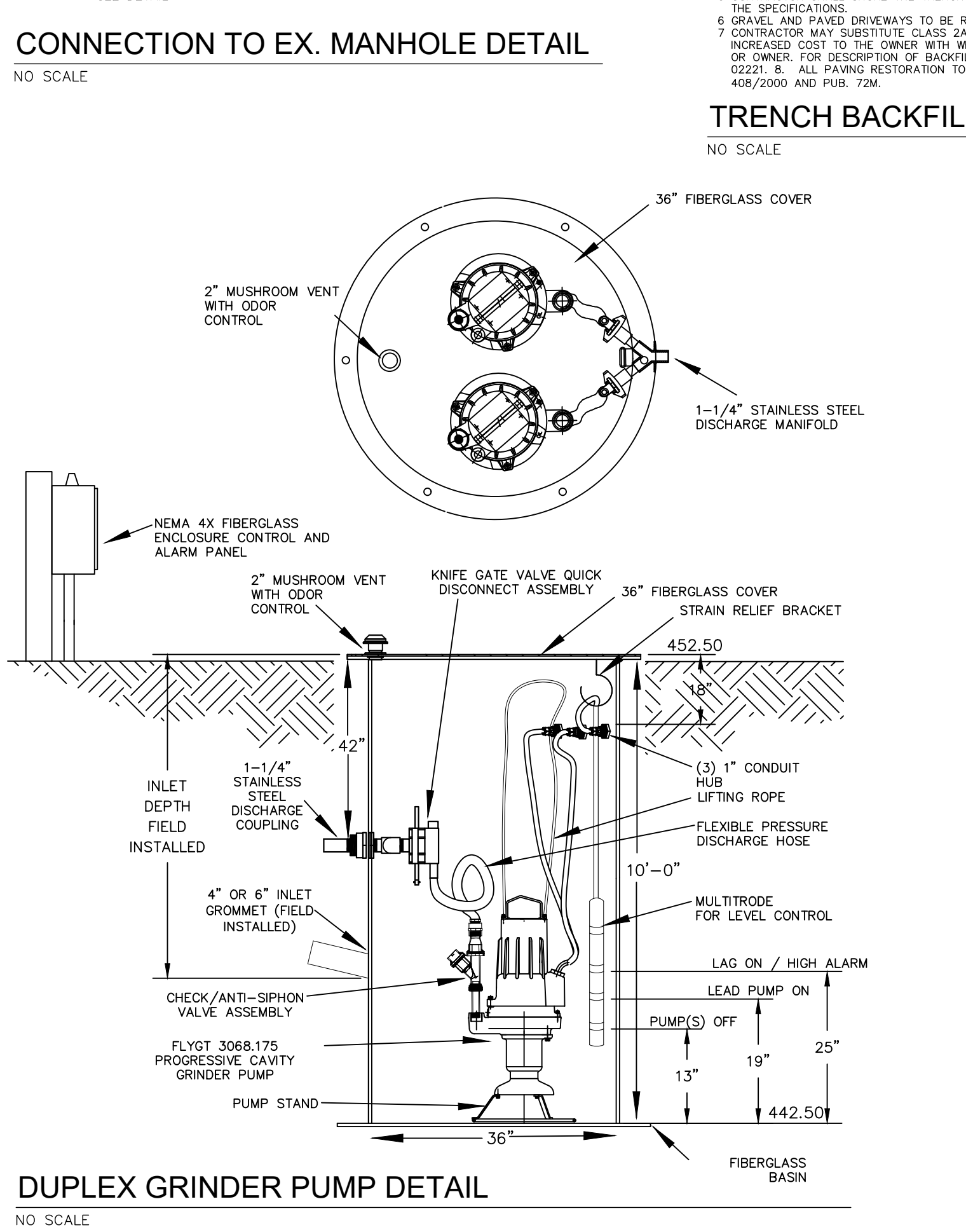
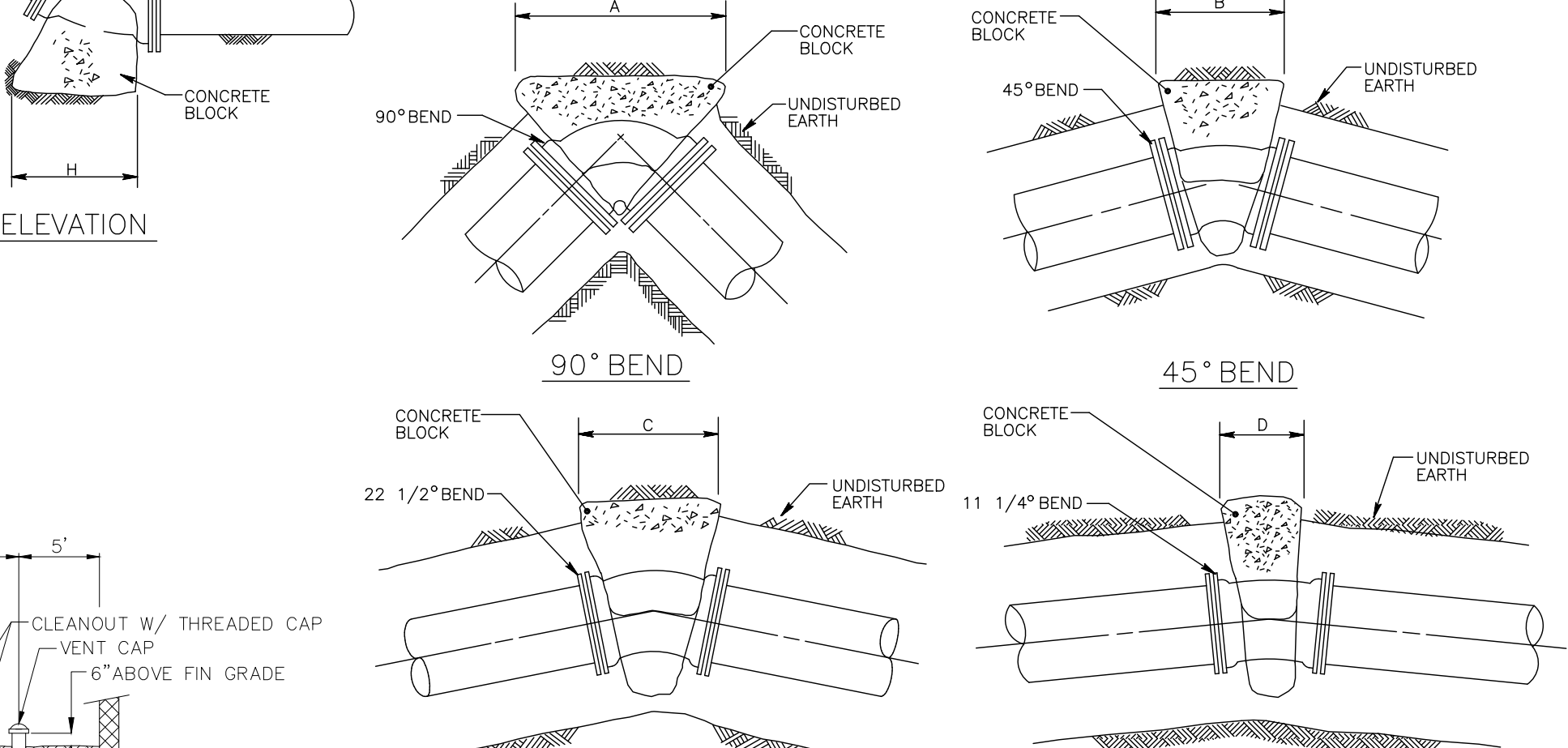
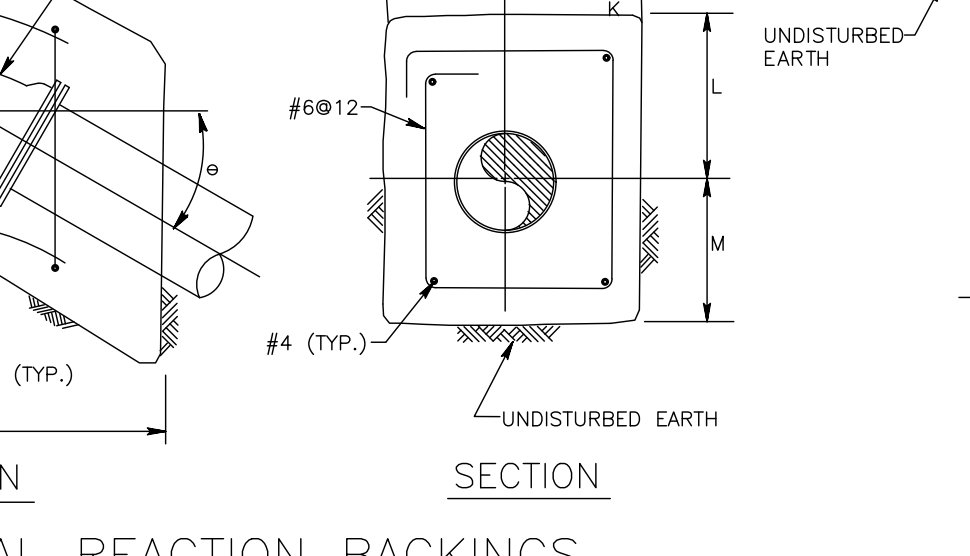
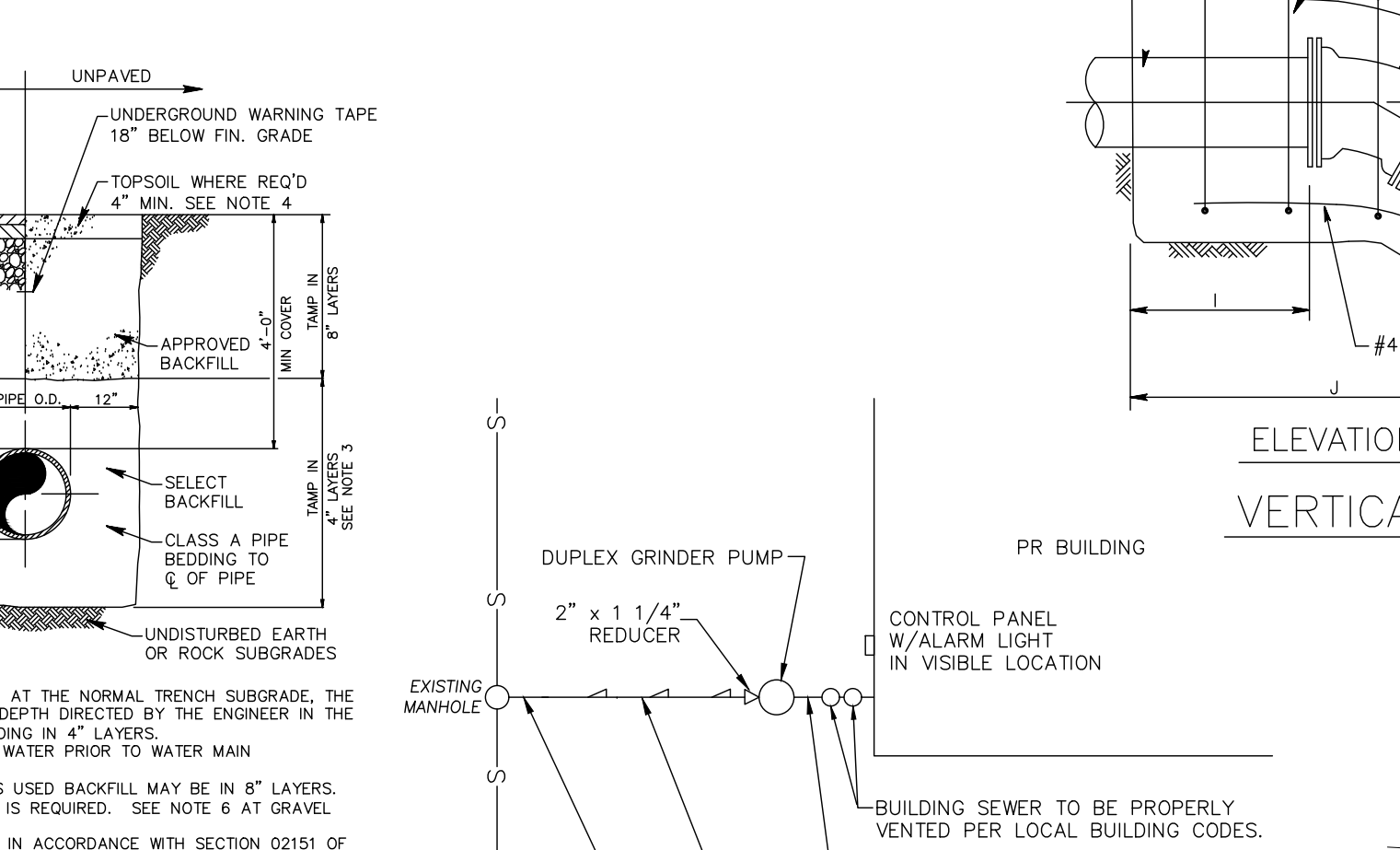
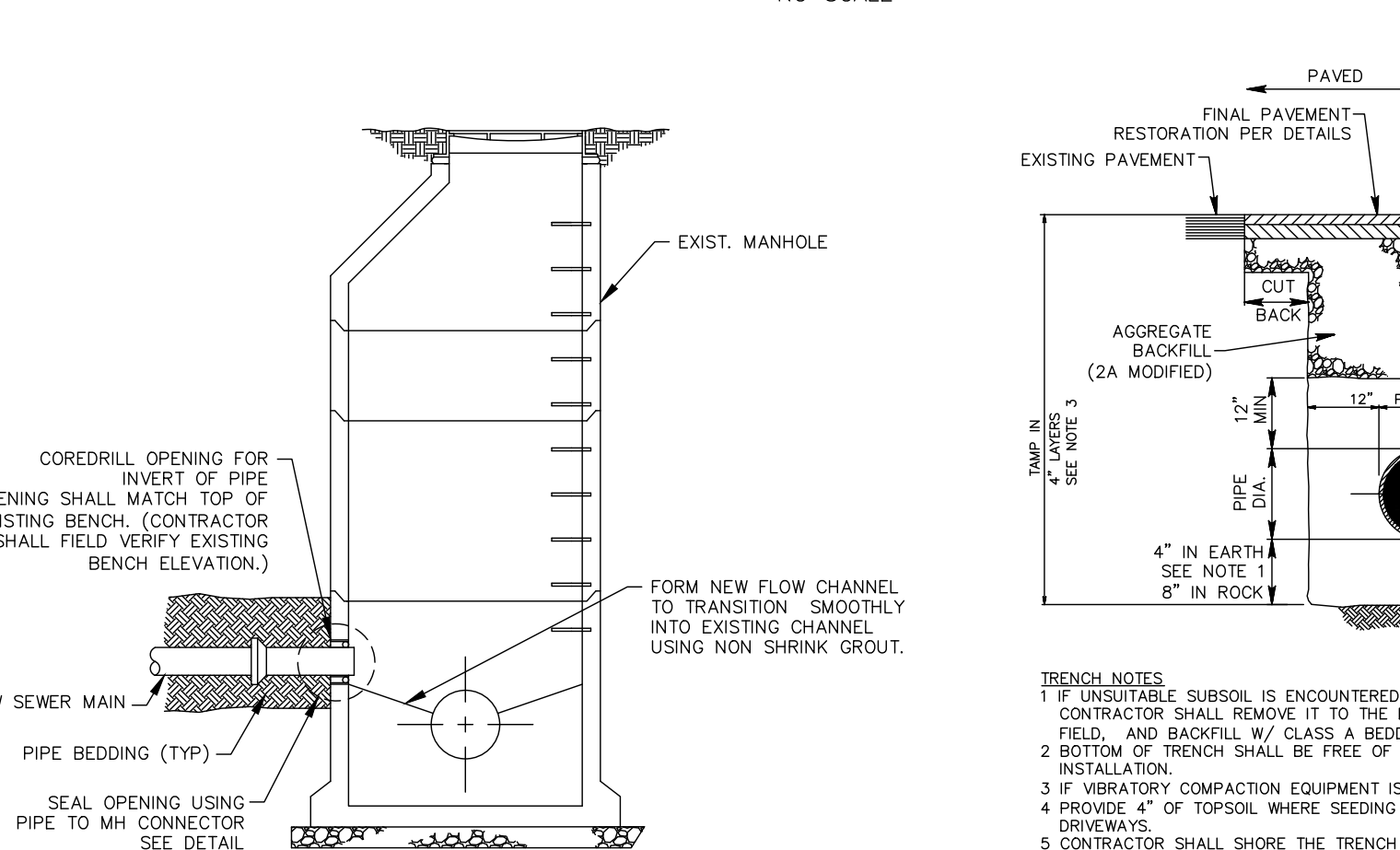
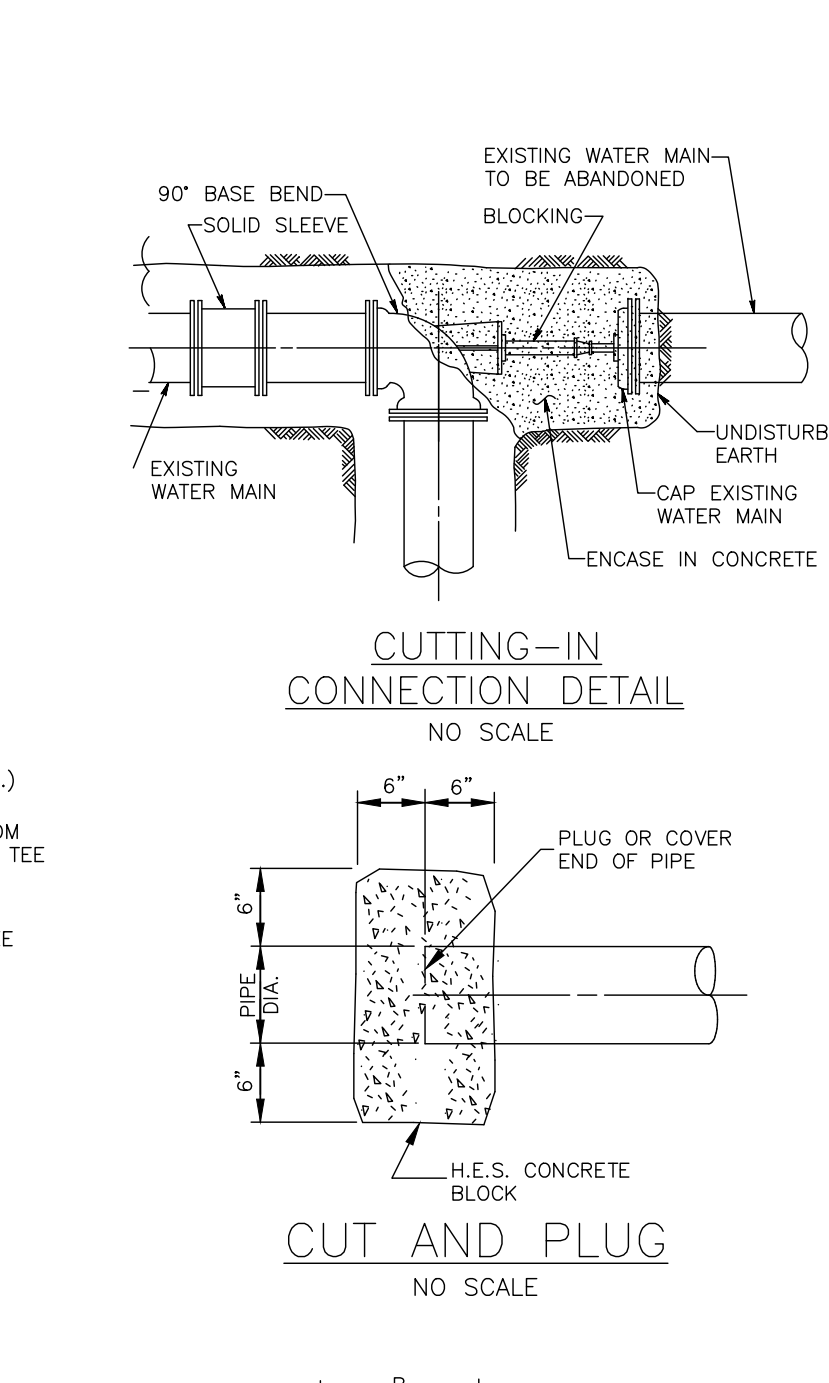
NOTES:

- REACTION BACKING DIMENSIONS HAVE BEEN CALCULATED USING A SOIL BEARING CAPACITY OF 2000 POUNDS PER SQUARE FOOT AND TEST PRESSURES AS INDICATED.
- ALL FITTINGS SHALL BE MECHANICAL JOINT AND SHALL HAVE WEDGE ACTION FOLLOWER GLANDS INSTALLED TO MANUFACTURERS SPECIFICATIONS, EXCEPT IN RESTRAINED JOINT AREAS.
- ALL CONCRETE SHALL BE HIGH EARLY STRENGTH.



NOTES

- VALVES TO BE OPERATED BY AUTHORITY PERSONNEL ONLY.



DATE	BY	REVISION
2/8/24	JMK	
3/11/24	AMK/EJG	
3/11/24	JMK	

LCPD COMMENTS - 1/30/24	
ARRO COMMENTS - 1/18/24	
NLTA COMMENTS - 1/16/24	

UTILITY DETAILS

PRELIMINARY/FINAL SUBDIVISION & LAND DEVELOPMENT PLAN

for

FLEXO-PACK USA, INC.

located in

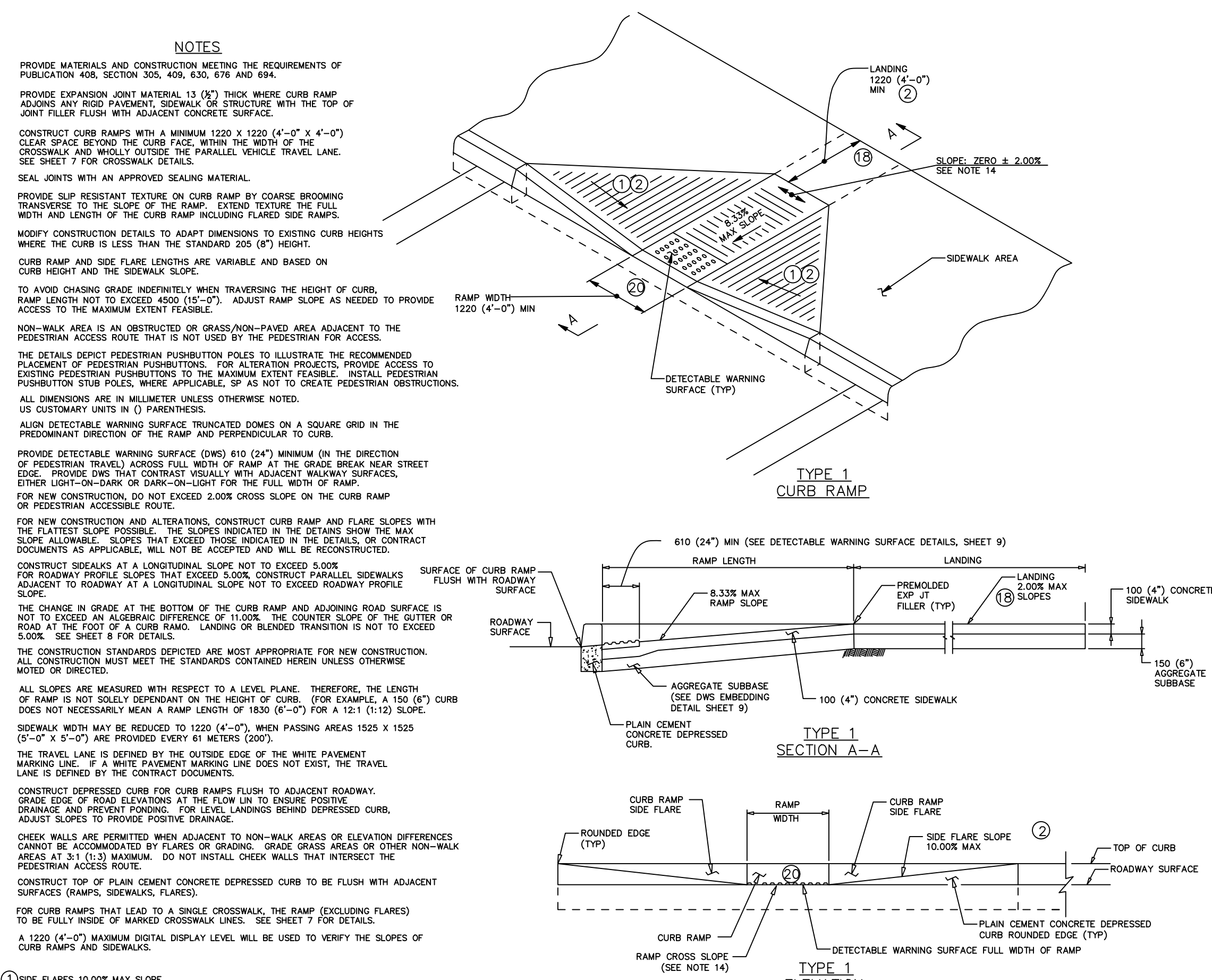
North Lebanon Township

Lebanon County, Pennsylvania

CS

Steckbeck Engineering & Surveying, Inc.
279 Lebanon, Pennsylvania 17042
Phone: (717) 272-7110
Fax: (717) 272-2548

FIELD CREW:	SS/TB
BASE MAP:	DY
DRAWN:	ABK/JMK
DESIGN:	ABK/EJG
CHECKED:	ABK
DATE:	3/12/24
PROJECT #	132-23-007



NOTES:

- PROVIDE MATERIALS AND CONSTRUCTION MEETING THE REQUIREMENTS OF PUBLICATION 408, SECTION 305, 409, 630, 676 AND 694.
- PROVIDE EXPANSION JOINT MATERIAL 1/2\"/>

TYPE 1 CURB RAMP

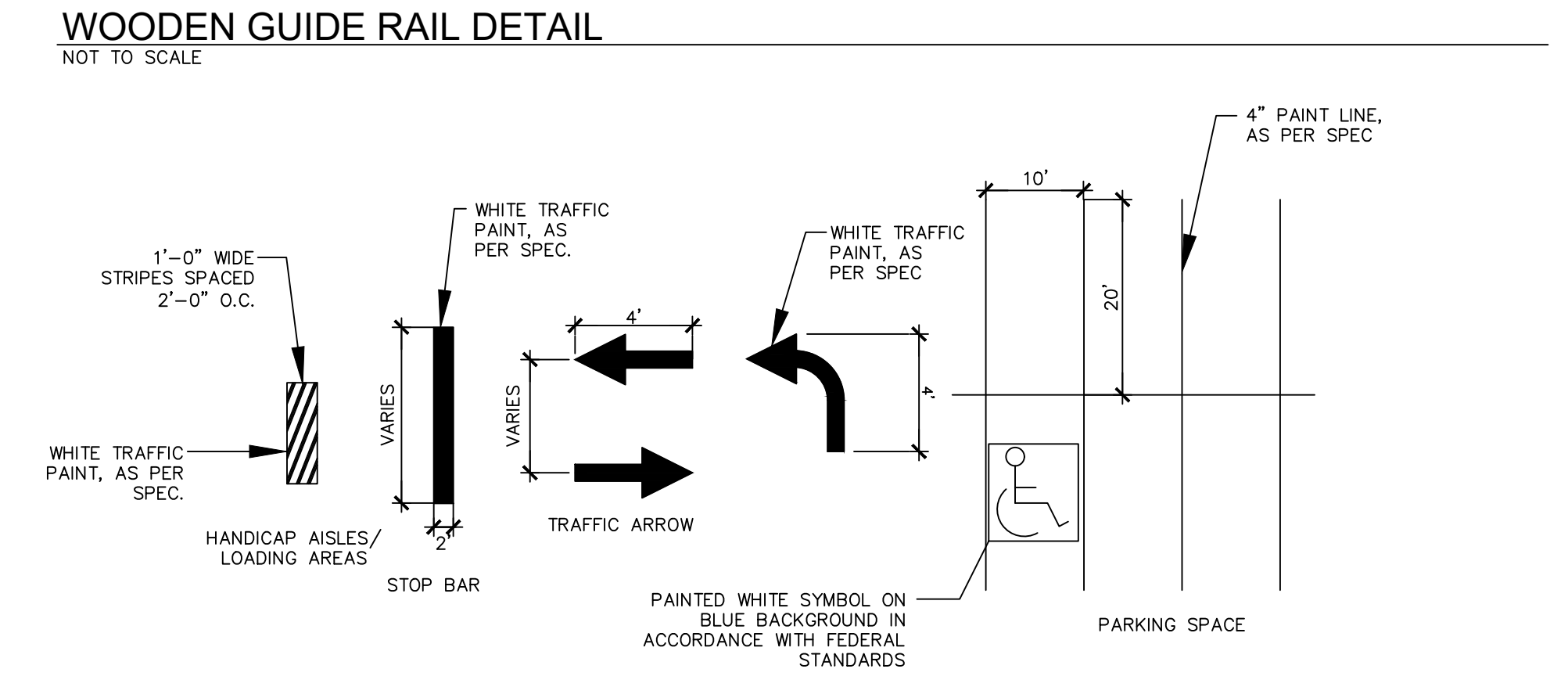
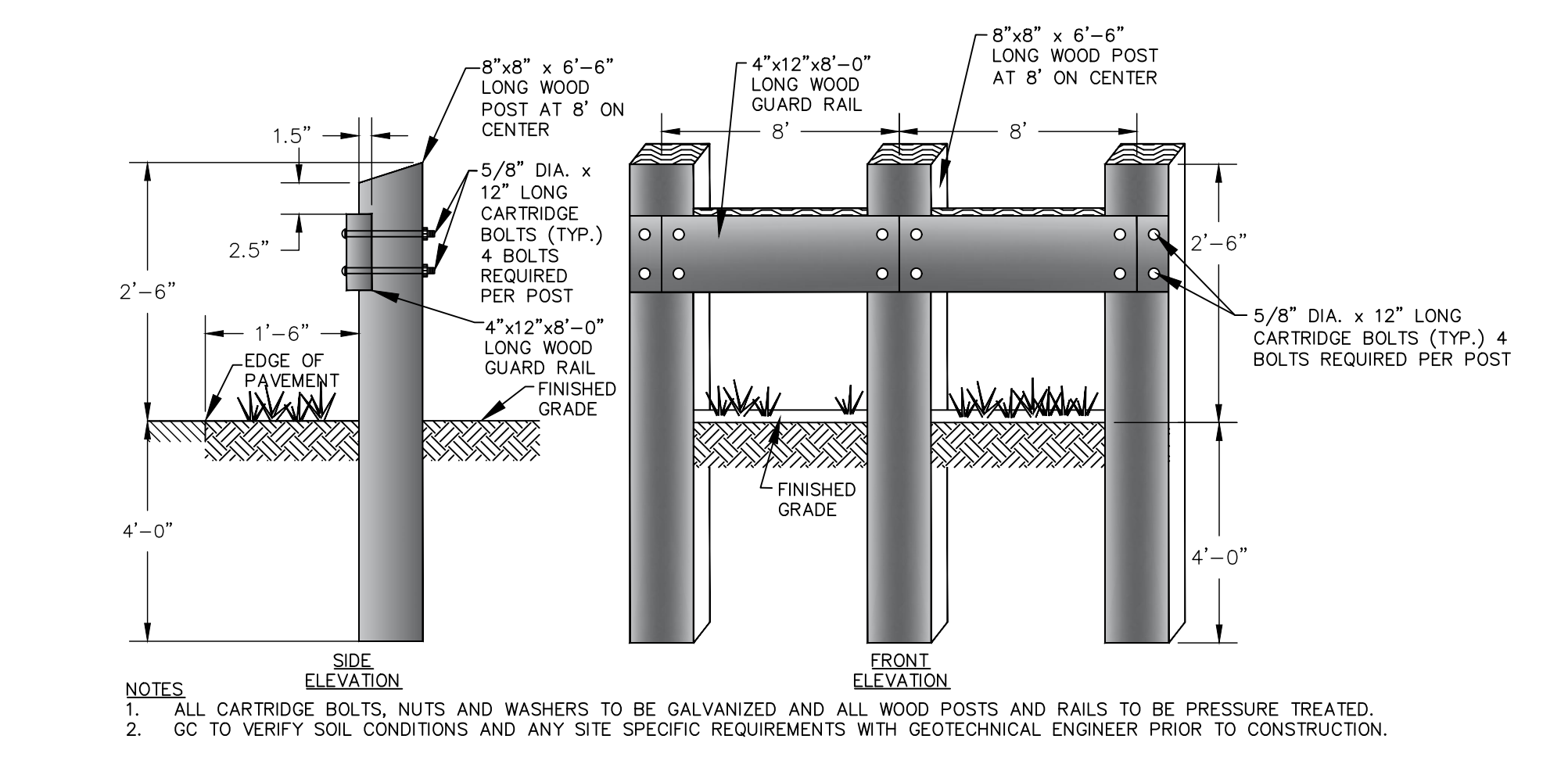
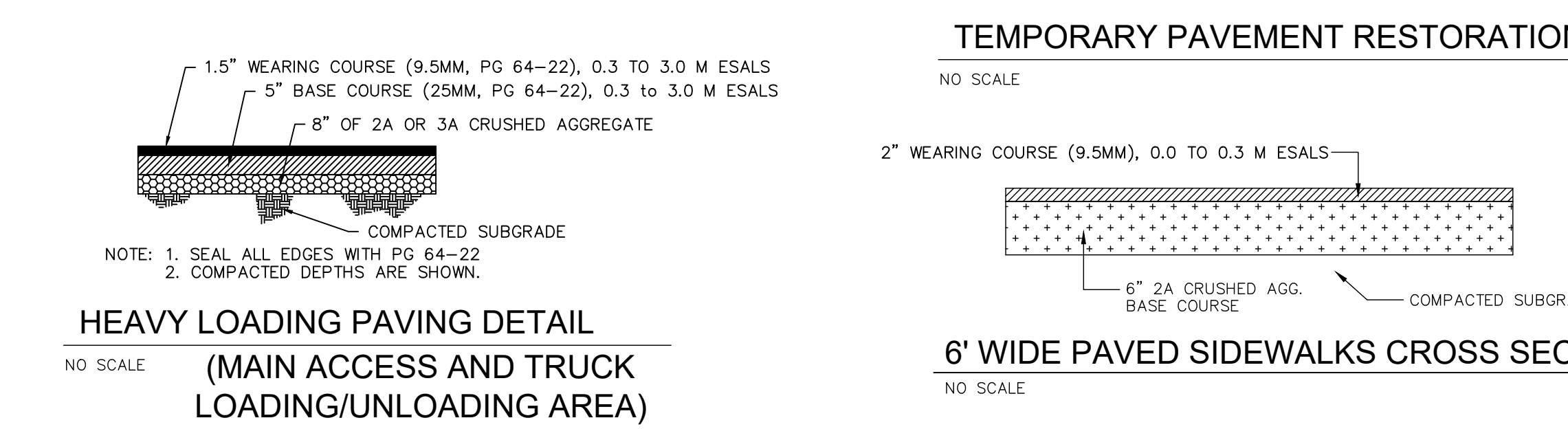
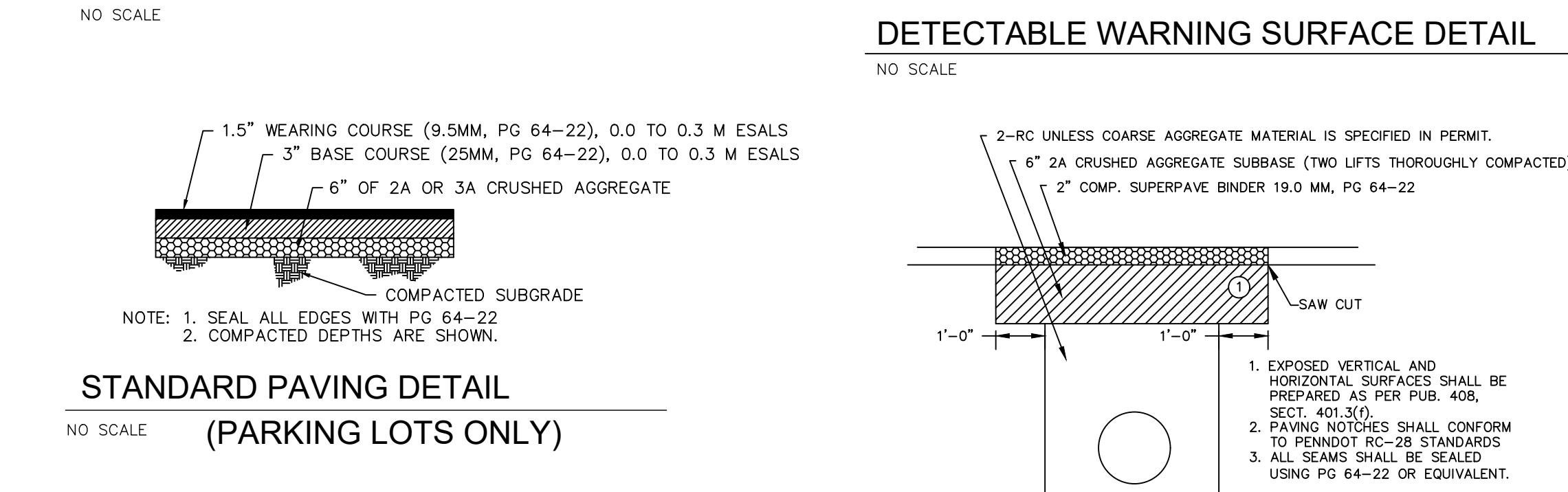
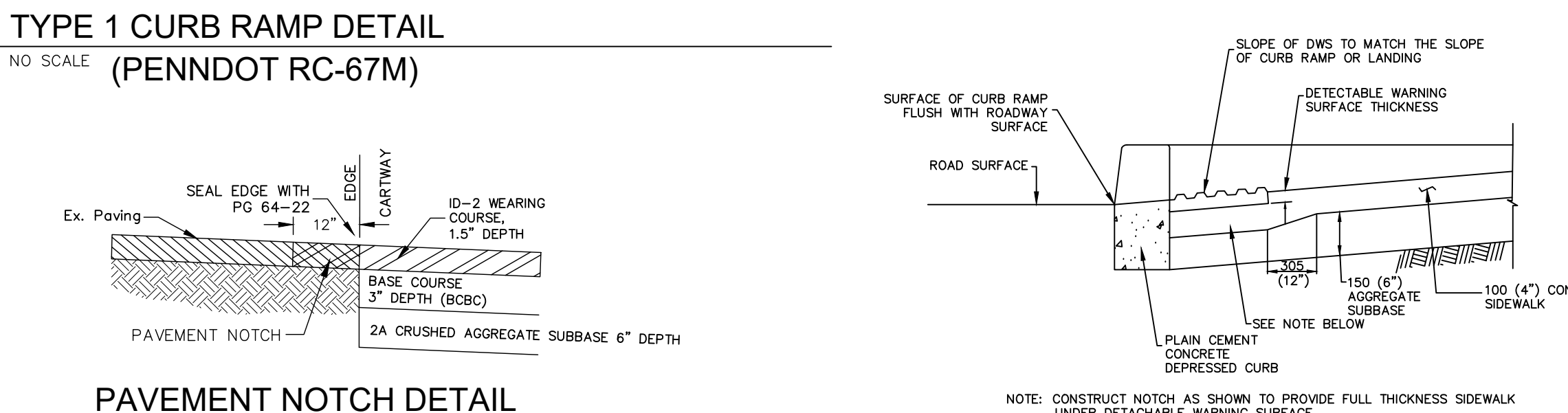
FOR NEW CONSTRUCTION AND ALTERATIONS, CONSTRUCT CURB RAMP AND FLARE SLOPES WITH THE FLATTEST SLOPE POSSIBLE. THE SLOPES INDICATED IN THE DETAILS SHOW THE MAX SLOPE ALLOWABLE. SLOPES THAT EXCEED THOSE INDICATED IN THE DETAILS, OR CONTRACT DOCUMENTS AS APPLICABLE, WILL NOT BE ACCEPTED AND WILL BE RECONSTRUCTED.

CONSTRUCT SIDEWALKS AT A LONGITUDINAL SLOPE NOT TO EXCEED 5.00% FOR ROADWAY PROFILE SLOPES THAT EXCEED 5.00% CONSTRUCT PARALLEL SIDEWALKS ADJACENT TO ROADWAY AT A LONGITUDINAL SLOPE NOT TO EXCEED ROADWAY PROFILE SLOPE.

THE CHANGE IN GRADE AT THE BOTTOM OF THE CURB RAMP AND ADJOINING ROAD SURFACE IS NOT TO EXCEED AN ALGEBRAIC DIFFERENCE OF 11.00%. THE CONTRAJOINT SLOPE OF THE CUTTER OR ROAD AT THE FOOT OF A CURB RAMP, LANDING OR BLENDED TRANSITION IS NOT TO EXCEED 5.00%. SEE SHEET 8 FOR DETAILS.

THE CONSTRUCTION STANDARDS DEPICTED ARE MOST APPROPRIATE FOR NEW CONSTRUCTION. ALL CONSTRUCTION MUST MEET THE STANDARDS CONTAINED HEREIN UNLESS OTHERWISE NOTED OR DIRECTED.

ALL SLOPES ARE MEASURED WITH RESPECT TO A LEVEL PLANE. THEREFORE, THE LENGTH OF RAMP IS NOT NECESSARILY MEAN A RAMP LENGTH OF 1830 (6'-0\"/>

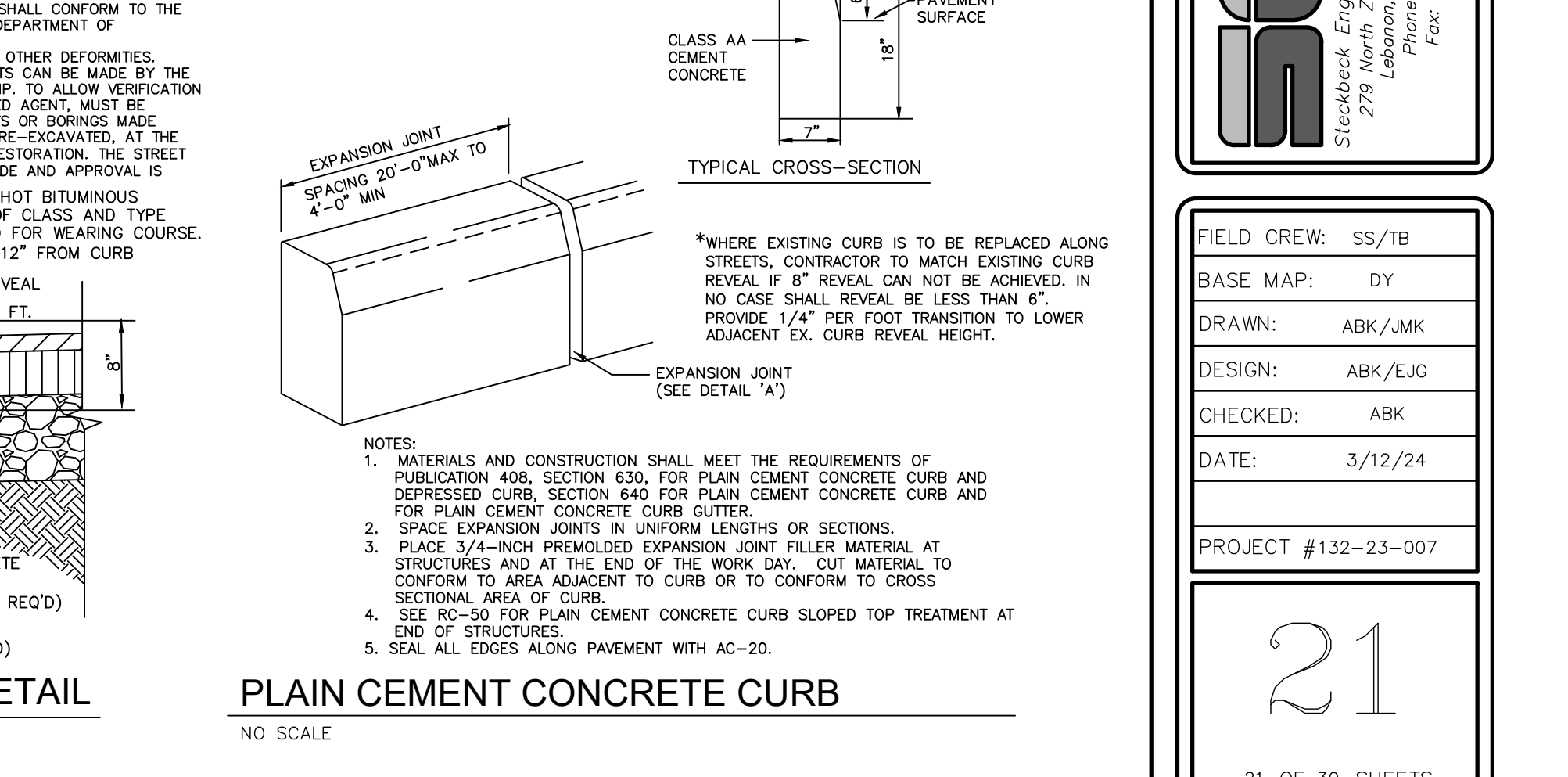
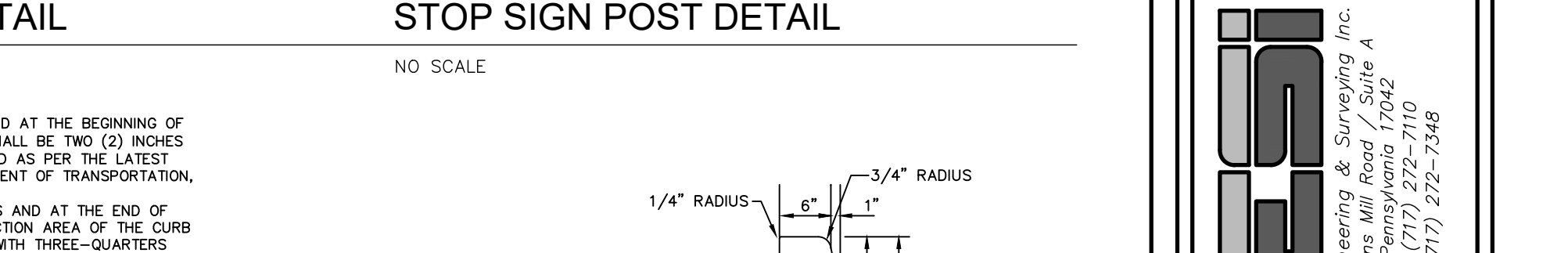
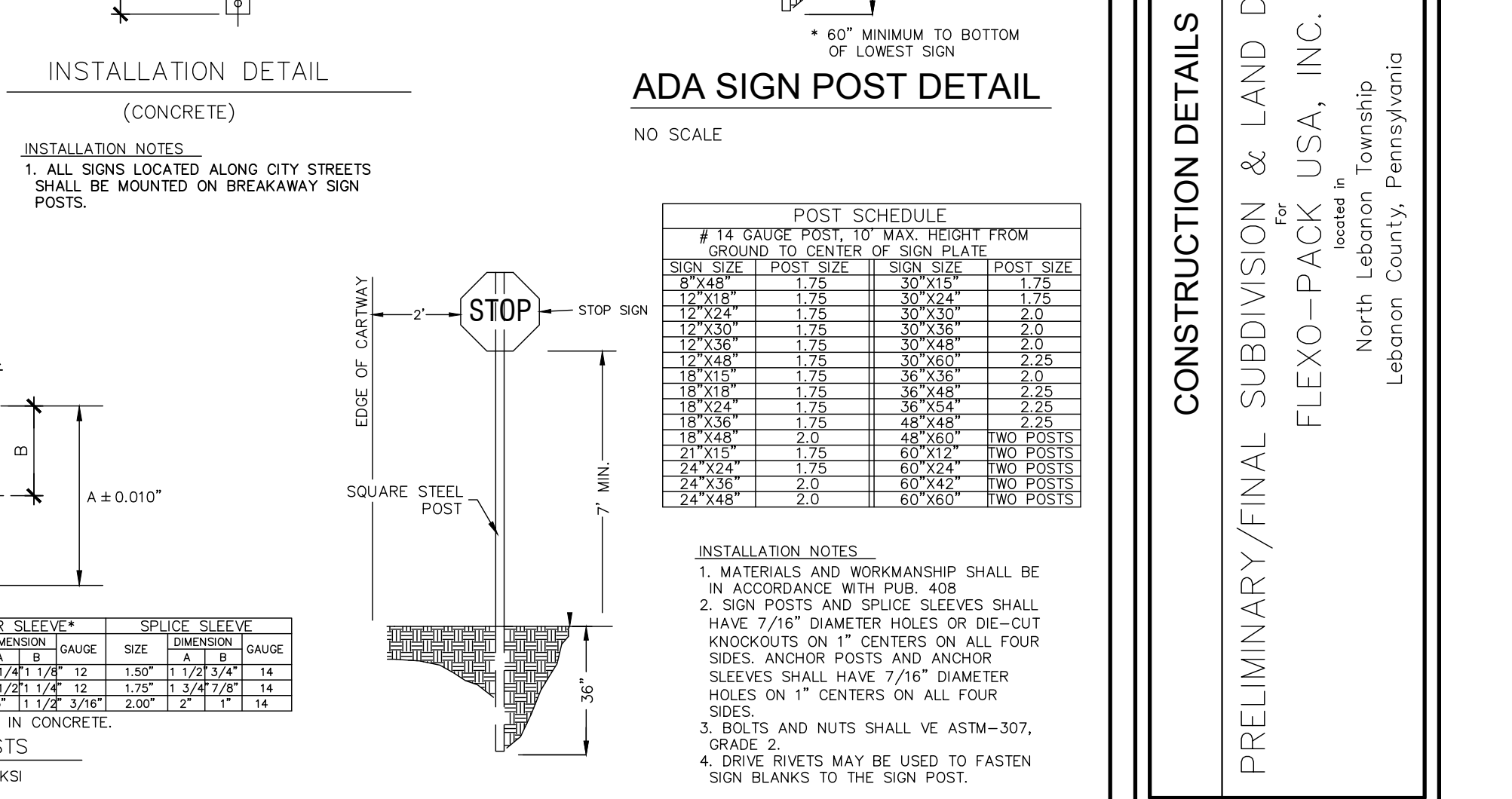
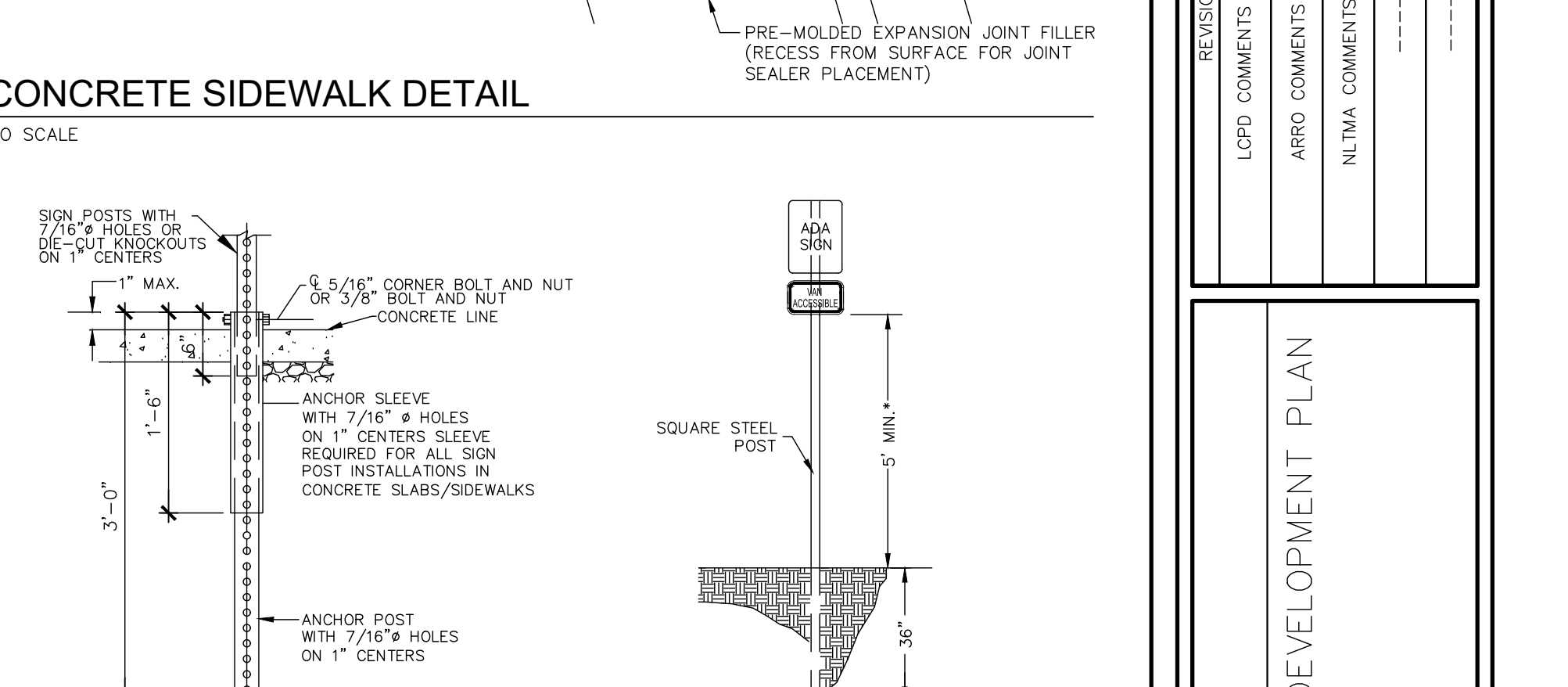
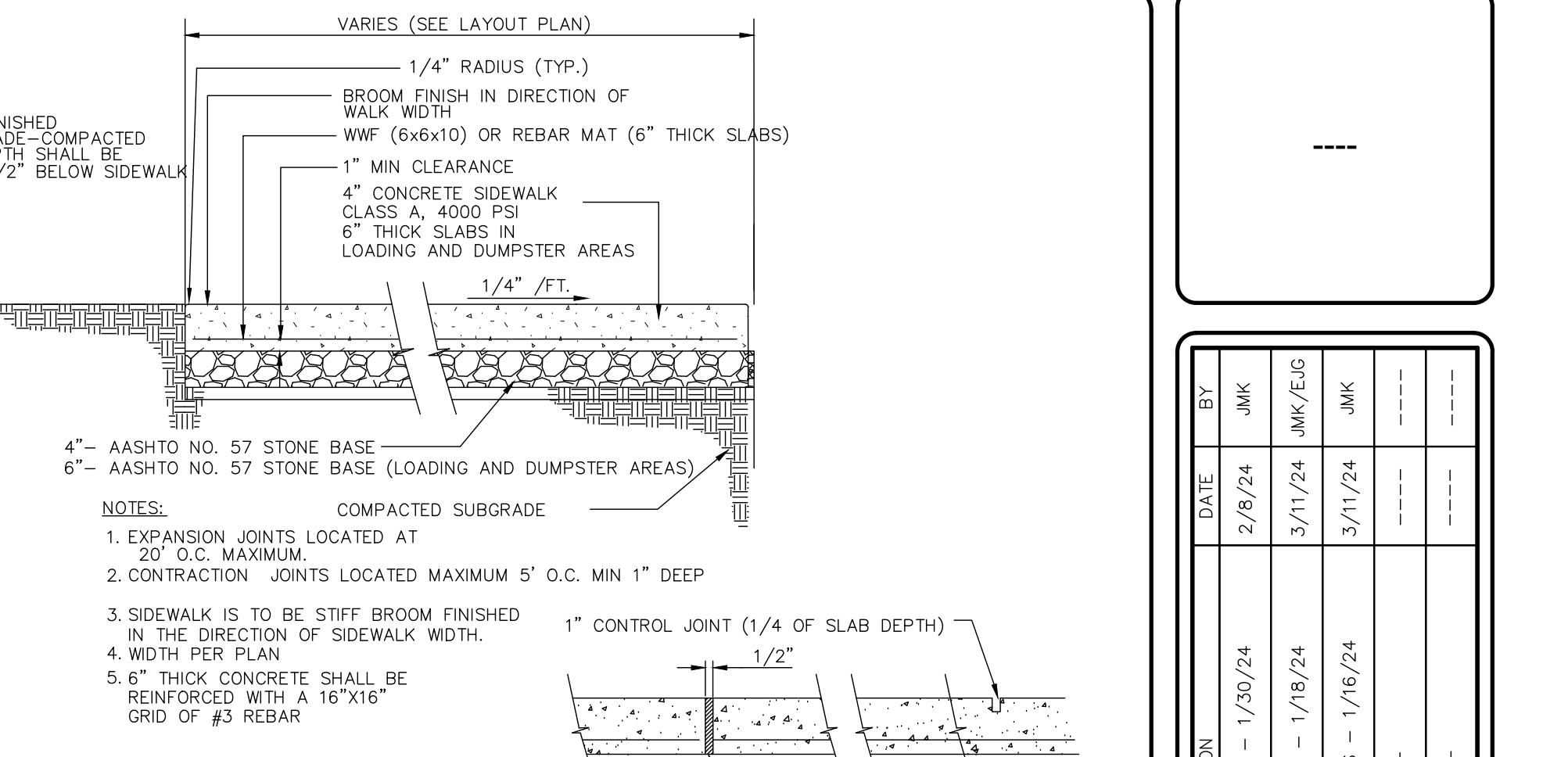
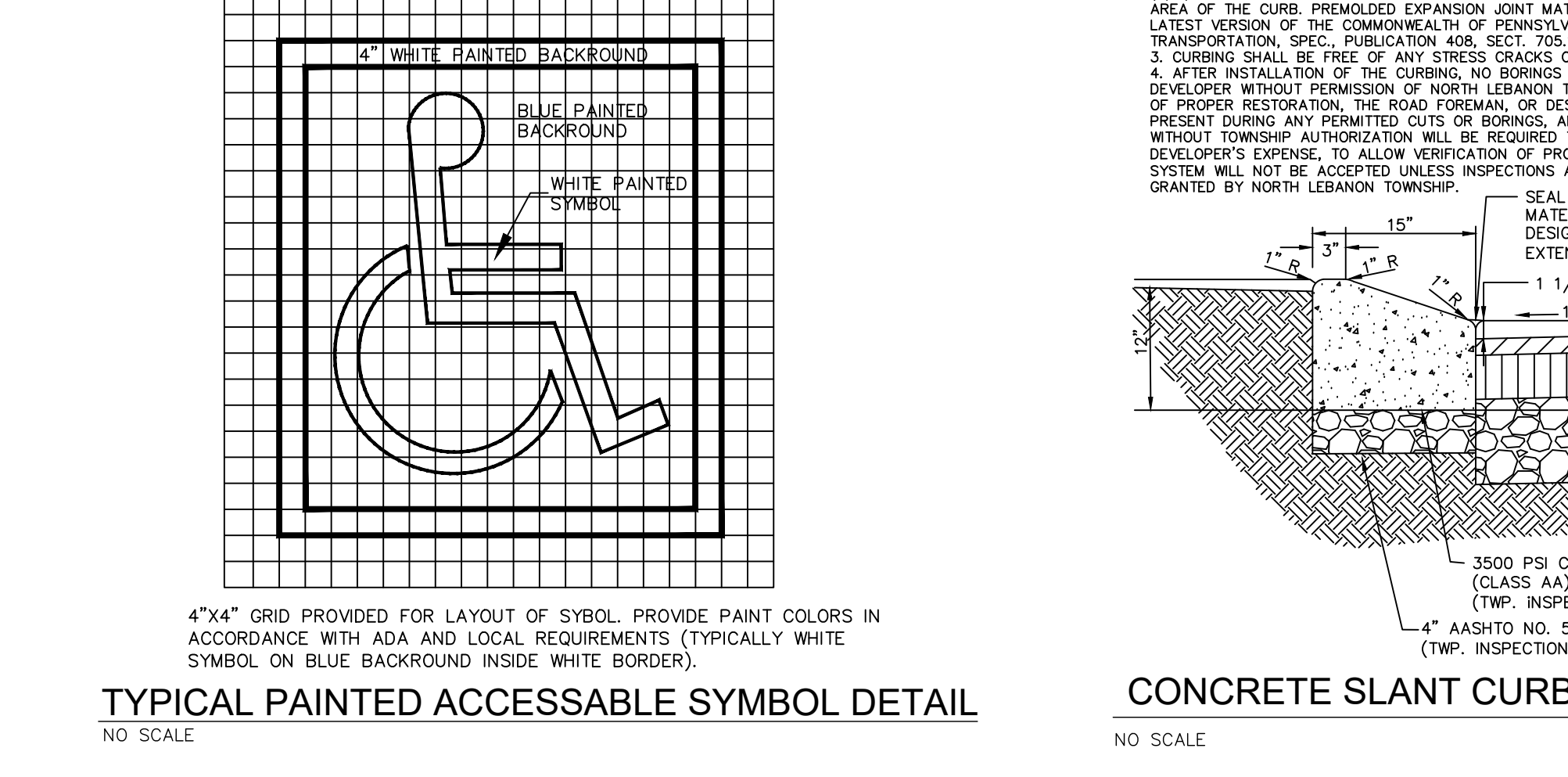
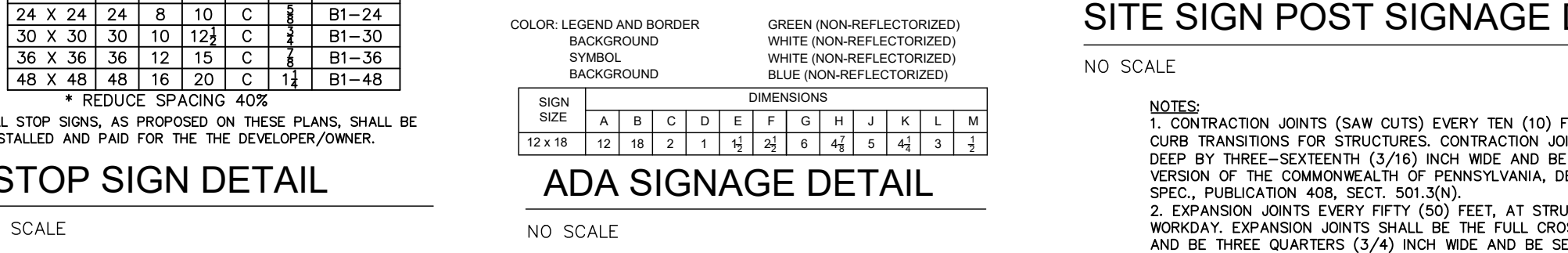
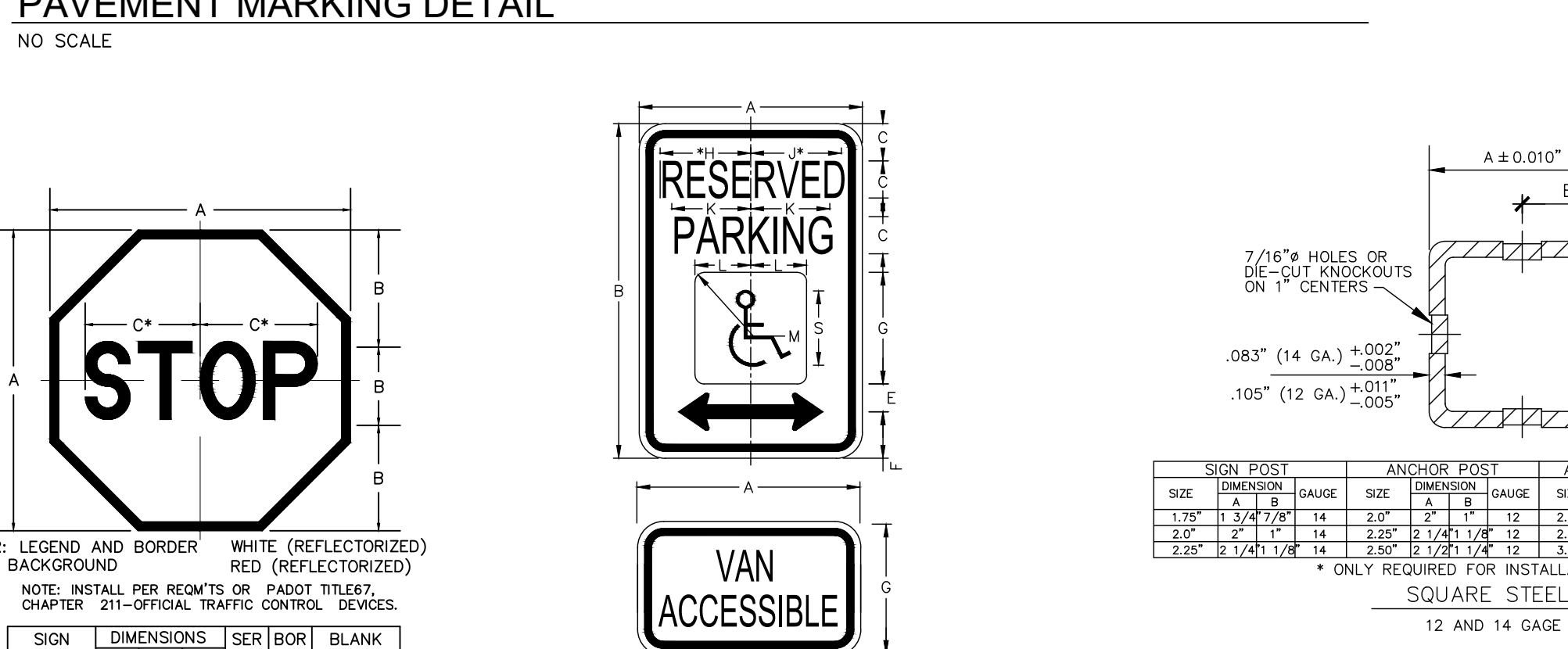


NOTES:

- YELLOW CURBING AND BOLLARDS - PARKING LOT SURFACES SHOULD BE CLEAN, DRY AND METAL SURFACES FREE OF HEAVY RUST. TWO COATS SHERWIN WILLIAMS-KEM 4000 ACRYLIC ALKYL ENAMEL SAFETY YELLOW, BS5730D.
- STRIPING - PARKING LOT SURFACES SHOULD BE CLEAN, DRY. TOP COAT SHERWIN WILLIAMS-PROMAR TRAFFIC MARKING PAINT YELLOW TM5495.
- HANDICAP STRIPING - PARKING LOT SURFACES SHOULD BE CLEAN DRY. TOP COAT SHERWIN WILLIAMS PROMAR TRAFFIC MARKING PAINT TM.C. BLUE.

PAVEMENT MARKING DETAIL

NO SCALE



CONSTRUCTION DETAILS

PRELIMINARY/FINAL SUBDIVISION & LAND DEVELOPMENT PLAN

for
FLEXO-PACK USA, INC.

located in
North Lebanon Township
Lebanon County, Pennsylvania

DATE	BY	REVISION
2/8/24	JMK	LCPD COMMENTS - 1/30/24
3/11/24	JMK/EJG	ARGO COMMENTS - 1/18/24
3/11/24	JMK	ULTIMA COMMENTS - 1/16/24

FIELD CREW: SS/TB

BASE MAP: DY

DRAWN: ABK/JMK

DESIGN: ABK/EJG

CHECKED: ABK

DATE: 3/12/24

PROJECT #132-23-007

21





21 OF 30 SHEETS

LIGHTING NOTES

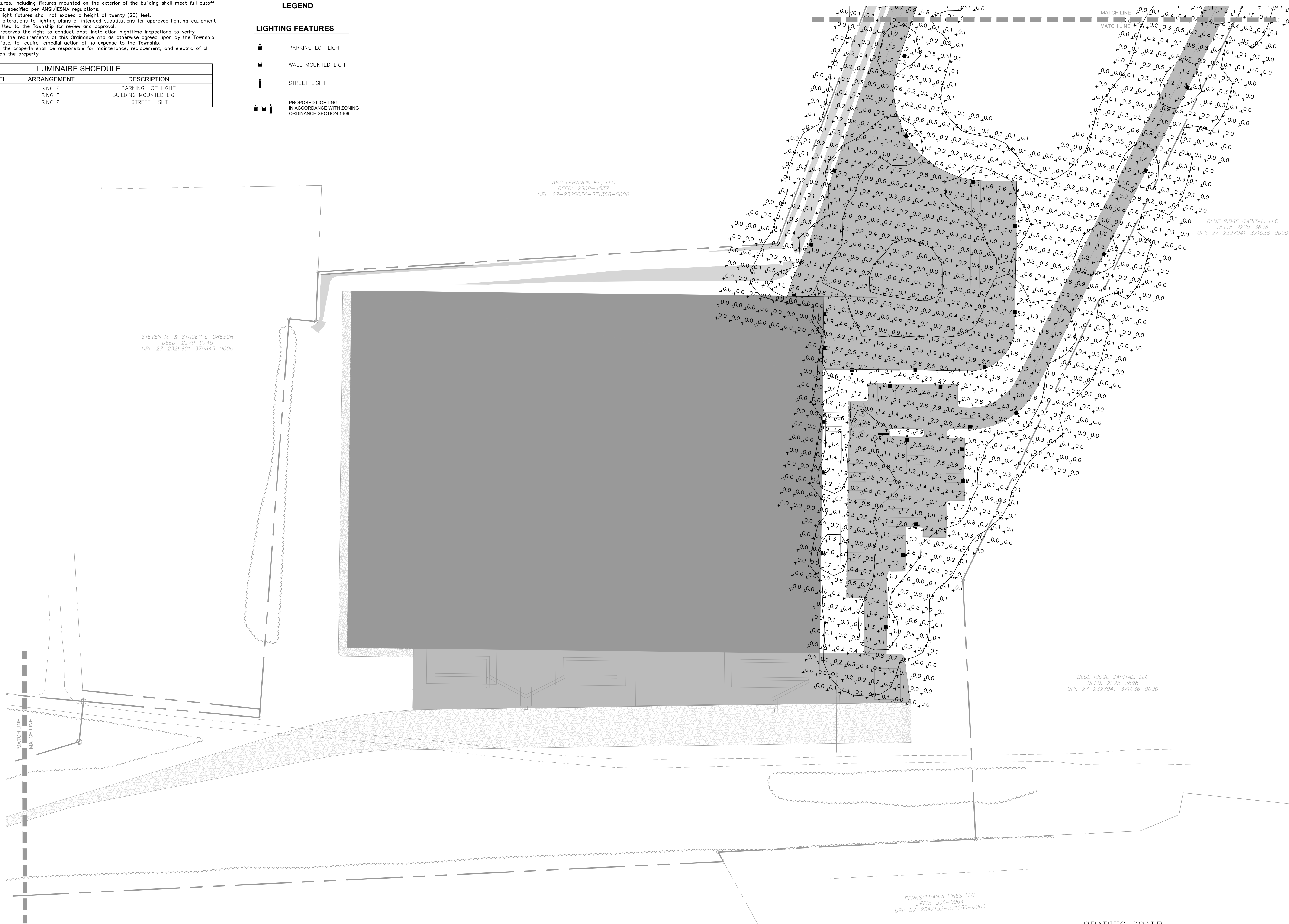
- All lighting fixtures, including fixtures mounted on the exterior of the building shall meet full cutoff requirements as specified per ANSI/IESNA regulations.
- Pole mounted light fixtures shall not exceed a height of twenty (20) feet.
- Post-approval alterations to lighting plans or intended substitutions for approved lighting equipment shall be submitted to the Township for review and approval.
- The Township reserves the right to conduct post-installation nighttime inspections to verify compliance with the requirements of this Ordinance and as otherwise agreed upon by the Township, and if appropriate, to require remedial action at no expense to the Township.
- The owners of the property shall be responsible for maintenance, replacement, and electric of all light fixtures on the property.

LEGEND

LIGHTING FEATURES

-  PARKING LOT LIGHT
-  WALL MOUNTED LIGHT
-  STREET LIGHT
-  PROPOSED LIGHTING IN ACCORDANCE WITH ZONING ORDINANCE SECTION 1409

LUMINAIRE SHCHEDULE			
QTY.	LABEL	ARRANGEMENT	DESCRIPTION
31	SF1	SINGLE	PARKING LOT LIGHT
6	SF2	SINGLE	BUILDING MOUNTED LIGHT
3	SF3	SINGLE	STREET LIGHT



STEVEN M. & STACEY L. DRESCH
DEED: 2279-6748
UPI: 27-2326801-370645-0000

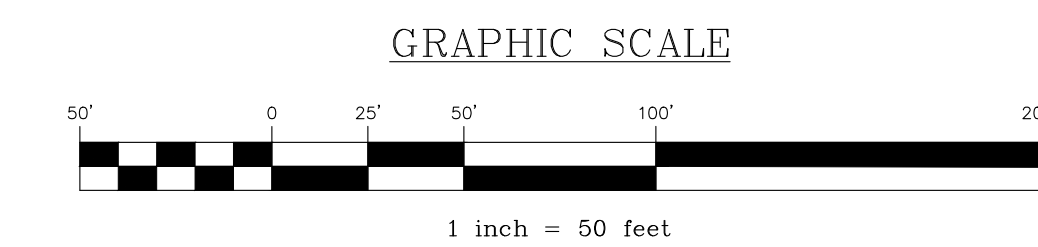
ABG LEBANON PA, LLC
DEED: 2308-4337
UPI: 27-2326834-371368-0000

BLUE RIDGE CAPITAL, LLC
DEED: 2225-3698
UPI: 27-2327941-371036-0000

BLUE RIDGE CAPITAL, LLC
DEED: 2225-3698
UPI: 27-2327941-371036-0000

PENNSYLVANIA LINES LLC
DEED: 356-0964
UPI: 27-2347152-371980-0000

PENNSYLVANIA LINES LLC
DEED: 356-0964
UPI: 11-2327289-370058-0000



REVISION	DATE	BY
LCPD COMMENTS - 1/30/24	2/8/24	JMK
ARRO COMMENTS - 1/19/24	3/11/24	JMK/EJG
NLTHA COMMENTS - 1/16/24	3/11/24	JMK

LIGHTING PLAN

PRELIMINARY/FINAL SUBDIVISION & LAND DEVELOPMENT PLAN
For
FLEXO-PACK USA, INC.
located in
North Lebanon Township
Lebanon County, Pennsylvania

Steadbeck Engineering & Surveying, Inc.
279 North Zions Mill Road / Suite A
Lebanon, Pennsylvania 17042
Phone: (717) 222-7110
Fax: (717) 222-2546

FIELD CREW:	SS/TB
BASE MAP:	DY
DRAWN:	ABK/JMK
DESIGN:	ABK/EJG
CHECKED:	ABK
DATE:	3/12/24
PROJECT #	132-23-007

LIGHTING NOTES

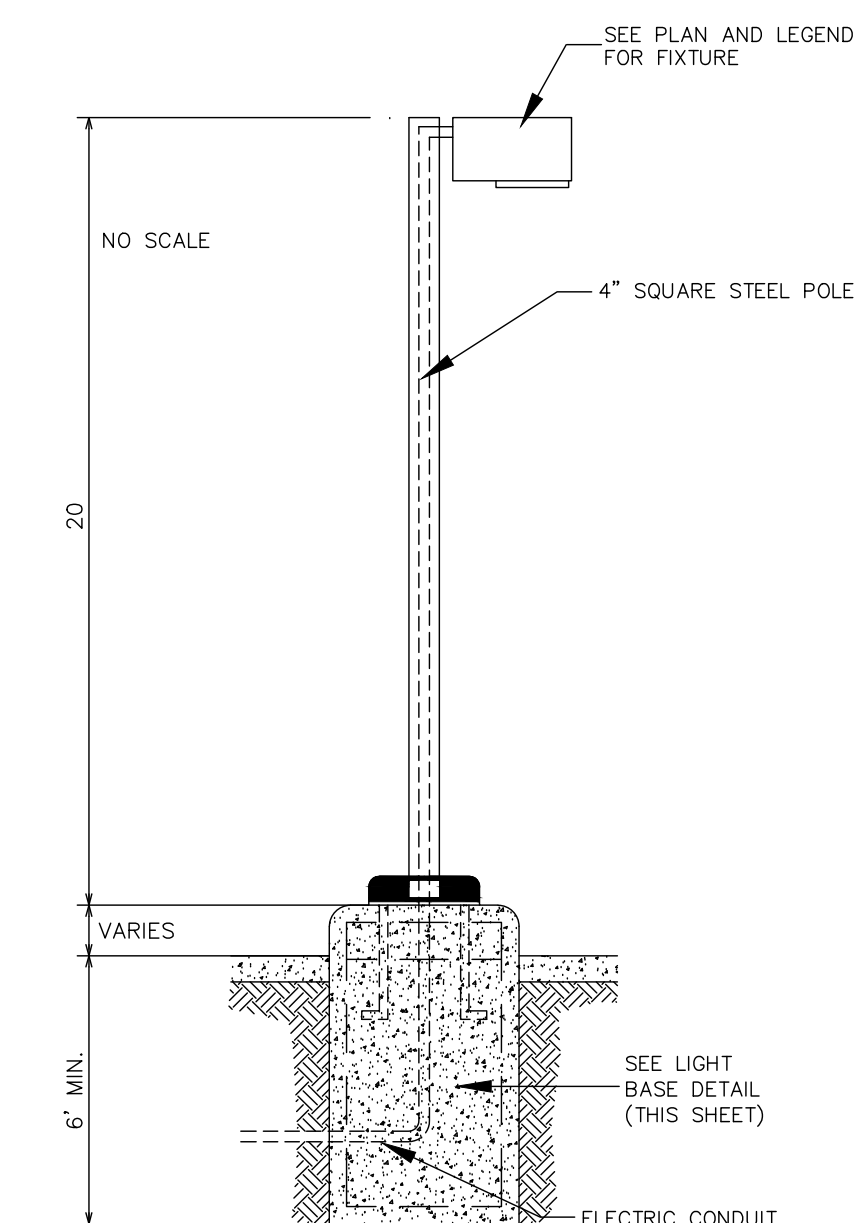
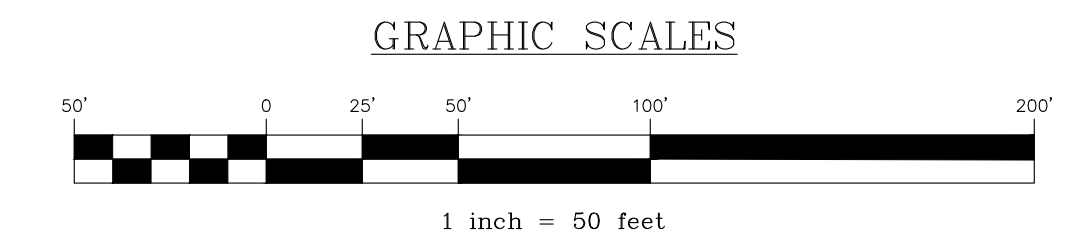
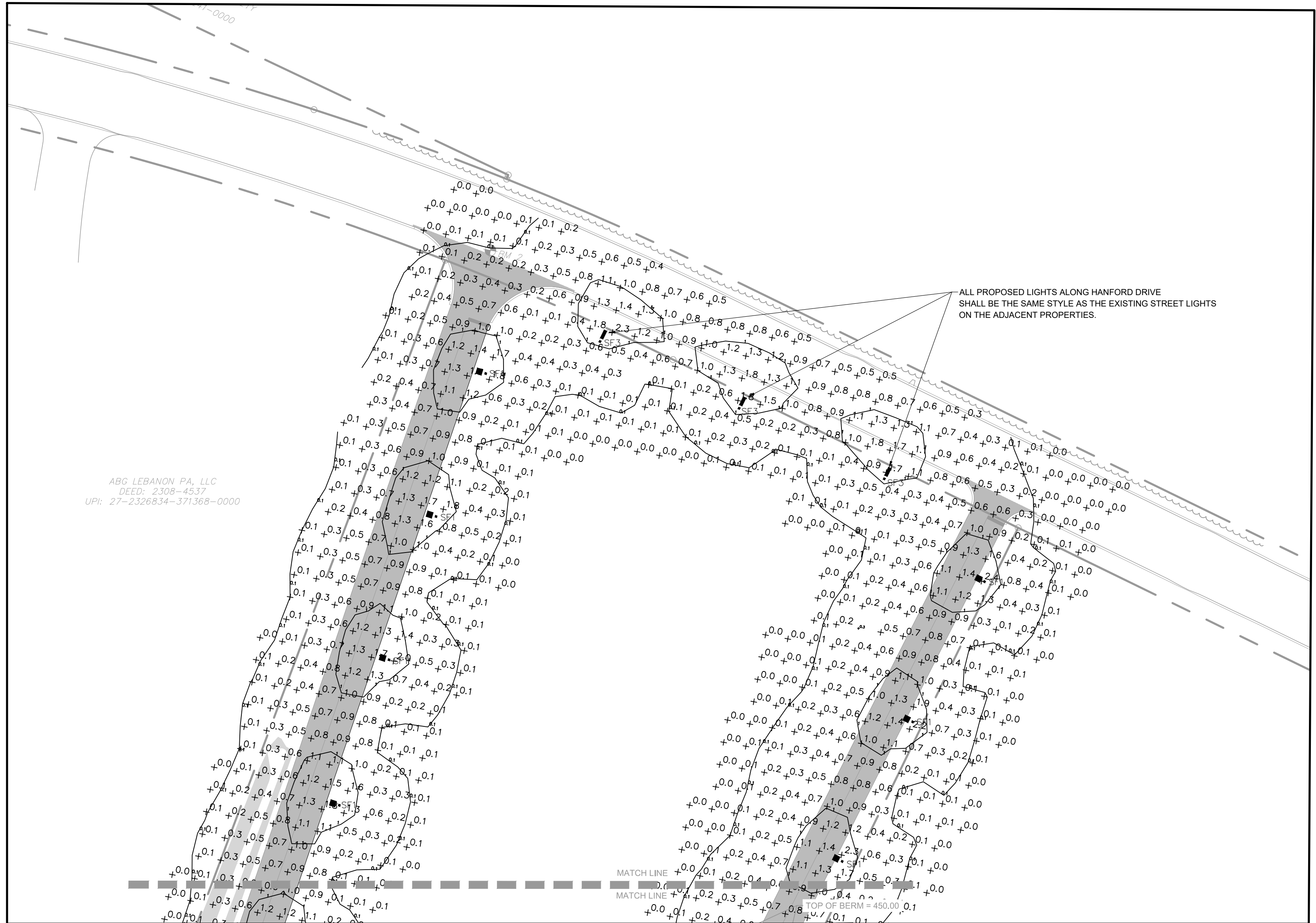
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LUMINAIRE SCHEDULE			
QTY.	LABEL	ARRANGEMENT	DESCRIPTION
31	SF1	SINGLE	PARKING LOT LIGHT
6	SF2	SINGLE	BUILDING MOUNTED LIGHT
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LEGEND

LIGHTING FEATURES

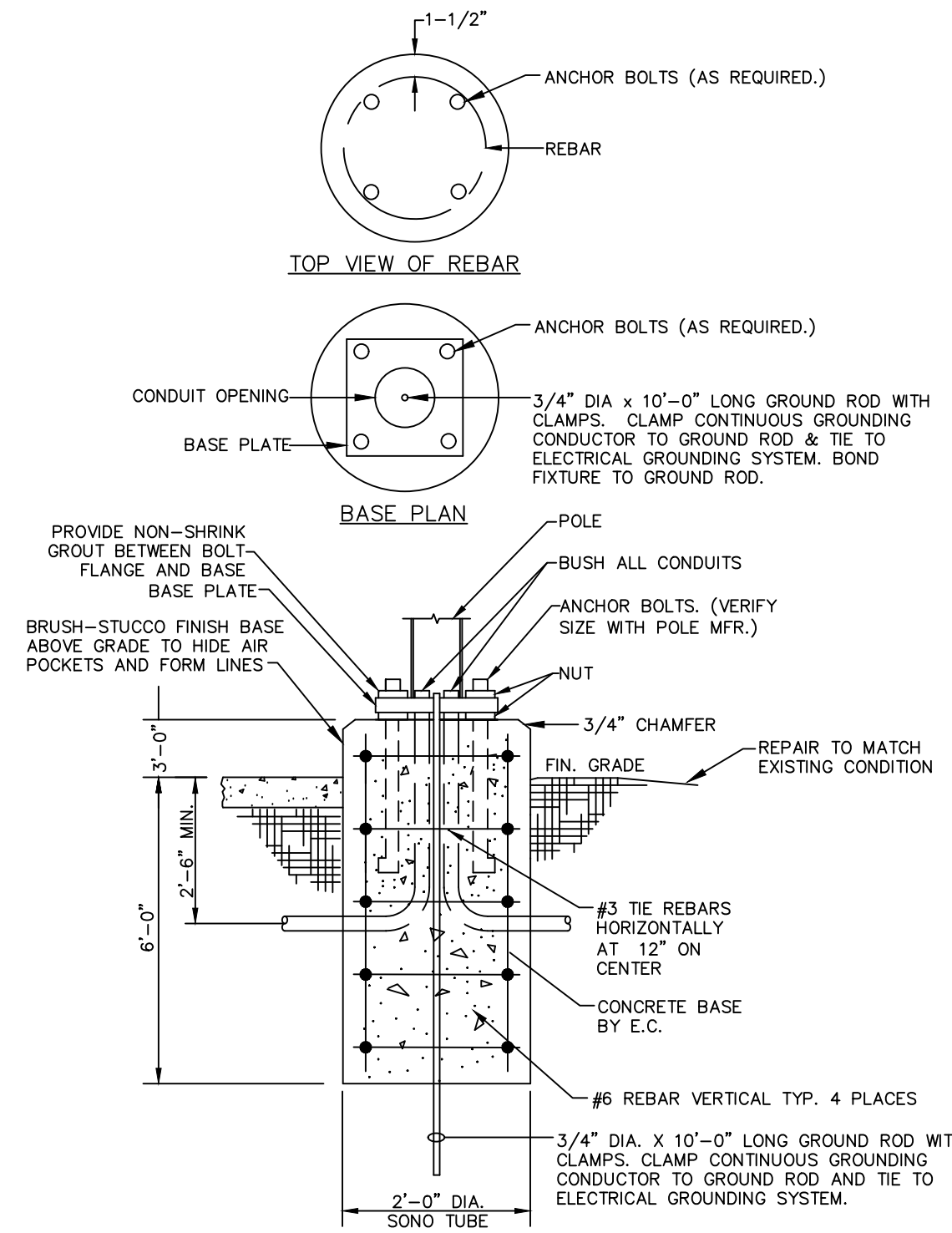
- PARKING LOT LIGHT
- WALL MOUNTED LIGHT
- STREET LIGHT
- PROPOSED LIGHTING IN ACCORDANCE WITH ZONING ORDINANCE SECTION 1409



Installation/Mounting In Accordance With Light Standards Manufacturers Specifications.
 NOTE: This detail is a typical detail only. Site conditions and/or pole/fixture type may vary. Consult with pole/fixture manufacturer for foundation requirements.

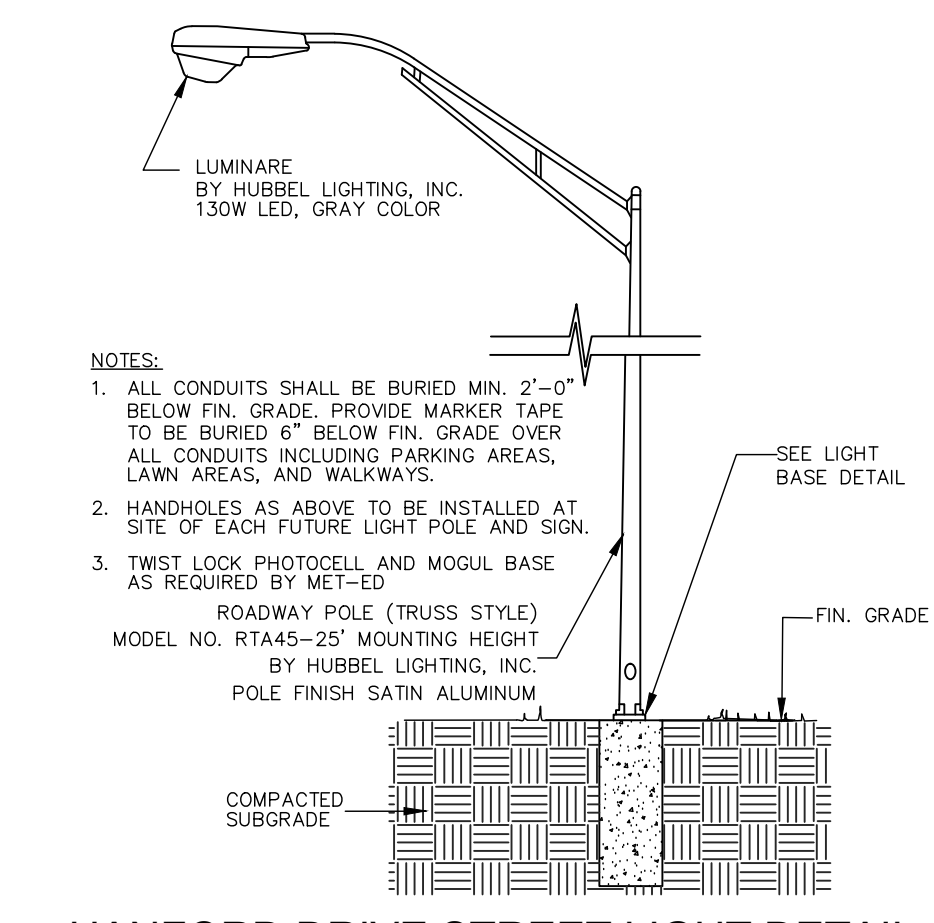
TYPICAL 25' POLE & FOUNDATION

NO SCALE



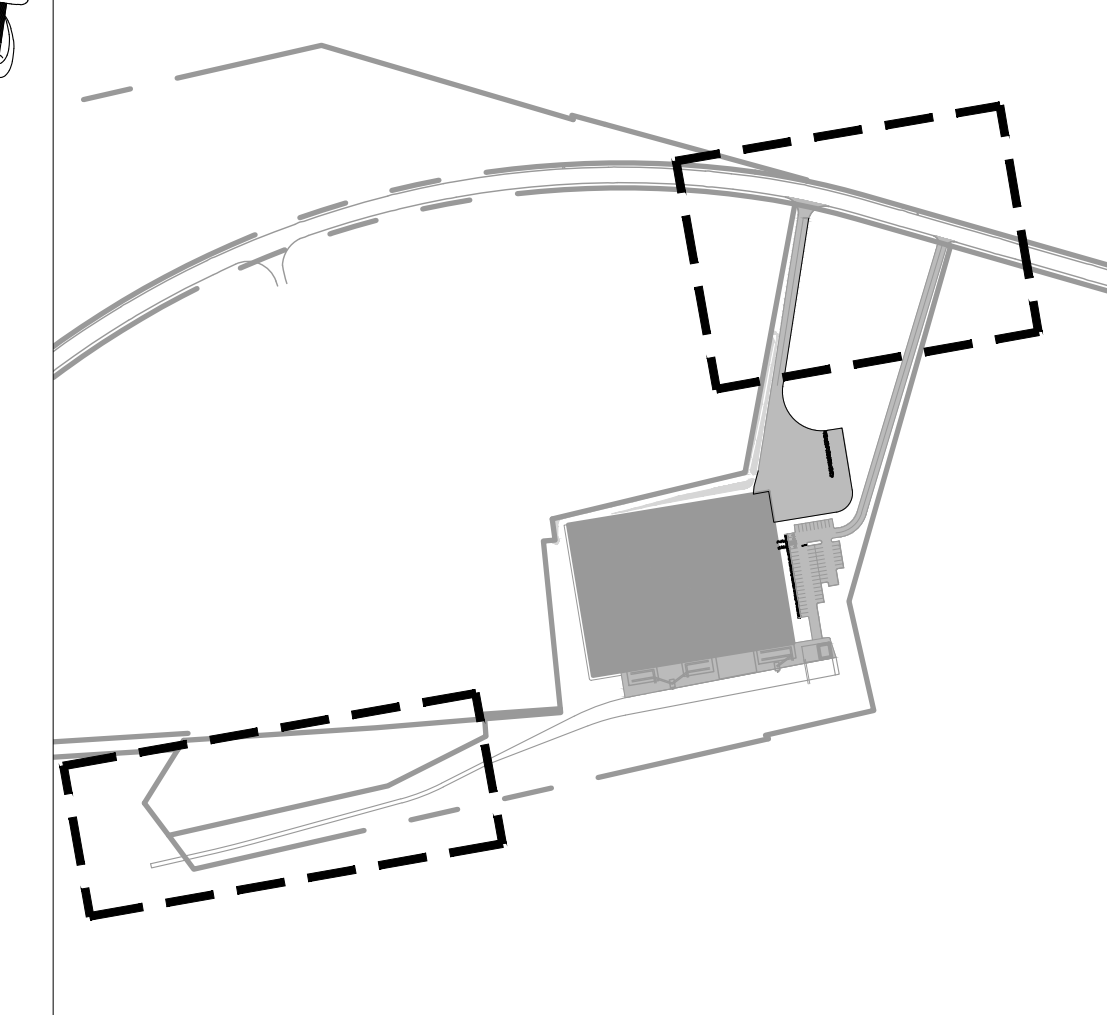
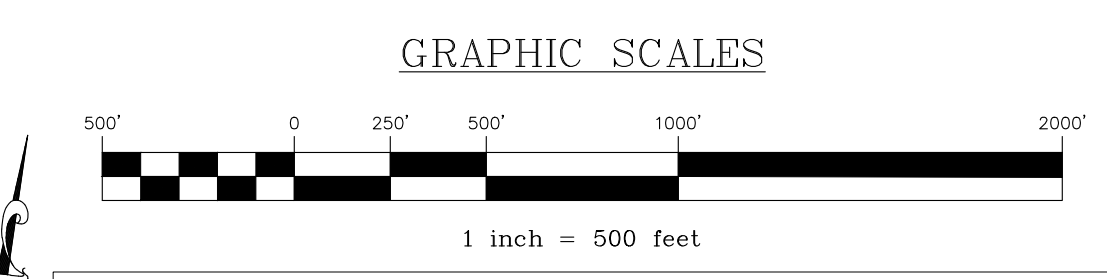
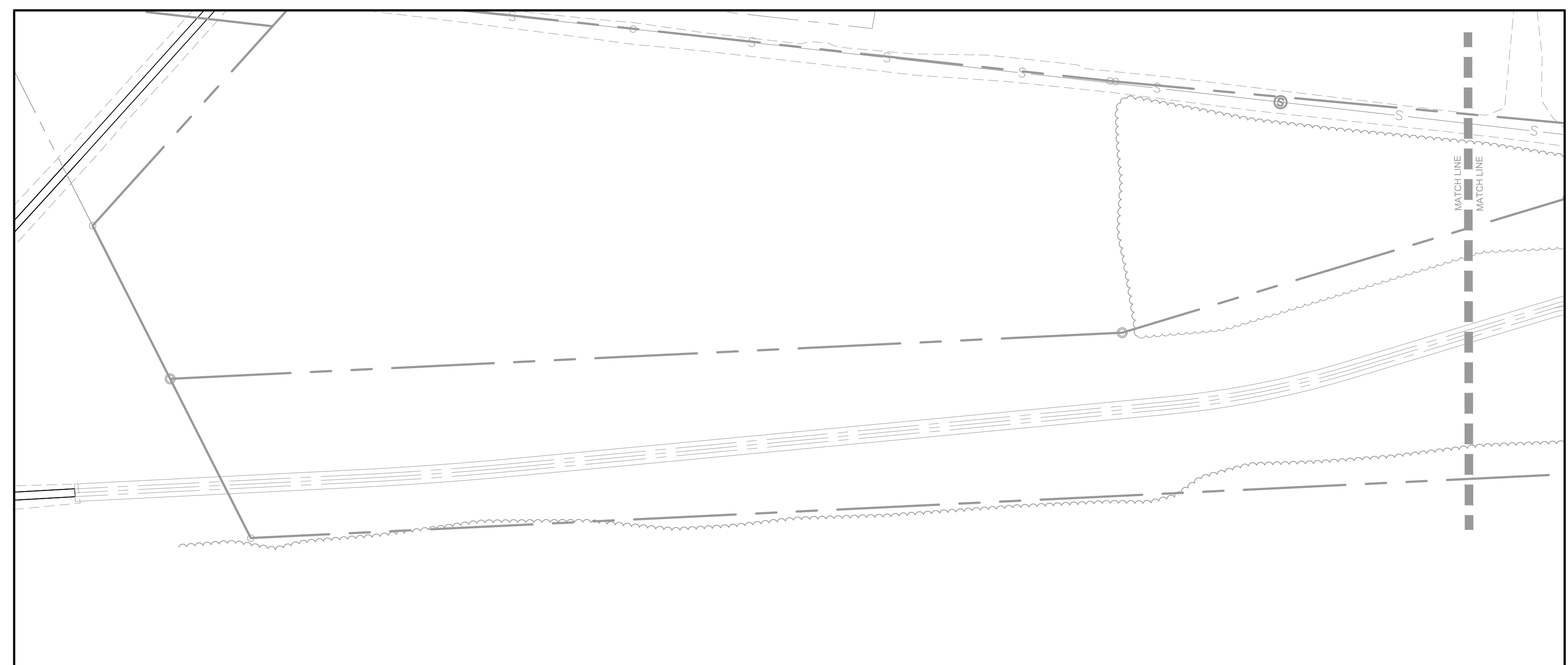
POLE BASE MOUNTING DETAIL

NO SCALE



HANFORD DRIVE STREET LIGHT DETAIL

NO SCALE



REVISION	DATE	BY
LCPD COMMENTS - 1/30/24	2/8/24	JMK
ARRO COMMENTS - 1/18/24	3/11/24	AMK/EJG
NLIMA COMMENTS - 1/16/24	3/11/24	JMK

LIGHTING PLAN

PRELIMINARY/FINAL SUBDIVISION & LAND DEVELOPMENT PLAN
 For
FLEXO-PACK USA, INC.
 located in
 North Lebanon Township
 Lebanon County, Pennsylvania

ESI
 Steebbeck Engineering & Surveying Inc.
 279 Lebanon, Pennsylvania 17042
 Phone: (717) 272-7110
 Fax: (717) 272-7348

FIELD CREW:	SS/TB
BASE MAP:	DY
DRAWN:	ABK/JMK
DESIGN:	ABK/EJG
CHECKED:	ABK
DATE:	3/12/24
PROJECT #	132-23-007

GENERAL LANDSCAPE NOTES (BY LANDSCAPE CONTRACTOR)

1. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL UTILITIES AND SHALL ASSUME RESPONSIBILITY FOR DAMAGE TO UTILITIES AND PROPERTY AS A RESULT OF HIS WORK.
2. ALL PLANT MATERIAL IS TO BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF INSTALLATION AND ACCEPTANCE BY OWNER.
3. PLANT MATERIAL SHALL BE TRUE TO SPECIES AND VARIETY AND SHALL CONFORM TO MEASUREMENTS AND MINIMUM STANDARDS AS SET FORTH IN THE PLANT SCHEDULE.
4. ALL PLANTING BEDS ARE TO BE MULCHED WITH A MINIMUM OF 3" OF SHREDDED AGED HARDWOOD BARK MULCH.
5. THE CONTRACTOR IS TO PROVIDE ADDITIONAL TOPSOIL AS NEEDED FOR PLANTING OPERATIONS.
6. ALL TREES ARE TO BE STAKED AND GUYED ACCORDING TO THE PLANTING DETAILS AND ACCEPTED PROFESSIONAL NURSEYMAN'S STANDARDS. TREES WITH LESS THAN A 3" CALIPER SHALL BE PROPERLY STAKED AND MORE THAN A 3" CALIPER PROPERLY GUYED.
7. THE CONTRACTOR SHALL REMOVE WIRE BASKETS AND NYLON BURLAP OR ROPE FROM THE ROOT BALL OF ALL PLANT MATERIAL.
8. APPLY A 50/50 MIX OF CHIPCO RONSTAR 6 AND PENNANT 56 TO SOIL SURFACE IN MULCHED AREAS PRIOR TO MULCHING. APPLY AT A RATE OF 7 POUNDS PER 1000 SF.
9. PLACE "WEED BLOCK" WATER PERMEABLE FILTRATION FABRIC UNDER MULCHED AREAS EXCEPT FOR AREAS OF GROUND COVER (I.E. IVY AND VINCA) AND PERENNIAL BEDS.
10. LANDSCAPE CONTRACTOR SHALL COORDINATE HIS/HER WORK WITH ALL OTHER CONTRACTORS ON SITE.
11. ALL AREAS OTHER THAN PLANTING BED AREAS SHALL BE CONSIDERED LAWN AREAS.
12. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE TO CLEAN AND REMOVE/DISPOSE FROM THE SITE ALL DEBRIS THAT IS A PART OF THE LANDSCAPE CONTRACTOR'S OPERATION.
13. THE CONTRACTOR SHALL INSTALL ORANGE PLASTIC CONSTRUCTION FENCE AROUND EXISTING MATURE TREES TO PREVENT ROOT ZONE COMPACTION AND DAMAGE TO TRUNKS AND BRANCHES. THE FENCING SHALL BE INSTALLED TO PREVENT DAMAGE AT A MINIMUM OF 2/3 OF THE DIAMETER OF THE TREE CANOPY.

SHORT-TERM MAINTENANCE

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING PLANT MATERIAL AND LAWN AREAS BEFORE, DURING, AND AFTER INSTALLATION UNTIL ACCEPTANCE BY THE OWNER.
2. NEW LAWN AREAS SHALL BE MAINTAINED BY THE LANDSCAPE CONTRACTOR UNTIL FINAL ACCEPTANCE.
3. NEWLY INSTALLED PLANTINGS SHALL BE SELECTIVELY PRUNED, IF NECESSARY TO PROVIDE A NEAT AND UNIFORM APPEARANCE. ANY DEAD OR BROKEN BRANCHES SHALL BE REMOVED. ALL NOTICEABLY DISEASED OR DAMAGED PLANT MATERIAL SHALL BE REMOVED AND REPLACED PRIOR TO FINAL ACCEPTANCE.
4. LAWN AREAS SHALL BE WATERED ONCE WEEKLY DURING DRY PERIODS OF THE FIRST GROWING SEASON TO ESTABLISH A HEALTHY TURFGRASS. WATERING SHOULD OCCUR DURING THE EARLY PART OF THE DAY TO AN EVEN SATURATION DEPTH OF ONE (1) INCH.
5. ALL CUTTING AND STAKING SHALL BE MAINTAINED REGULARLY TO ASSUME PLANT STABILIZATION AND STRAIGHT, UNIFORM GROWTH FOR AT LEAST THE FIRST YEAR FOLLOWING THE DATE OF PLANTING.
6. NEWLY PLANTED TREES AND SHRUBS SHALL BE WATERED REGULARLY DURING ANY DRY PERIODS TO COMPLETELY SATURATE THE ROOT BALL DURING THE FIRST GROWING SEASON.
7. ALL PLANT MATERIAL SHALL BE TRUE TO SPECIES AND VARIETY AND SHALL CONFORM TO MEASUREMENTS AND MINIMUM STANDARDS AS SET FORTH IN THE PLANT SCHEDULE.
8. DISEASE, INSECT AND WEED CONTROL AND PREVENTION SHOULD BE PERFORMED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS FOR NEWLY PLANTED LANDSCAPES DURING THE FIRST SEASON.
9. ALL PLANT MATERIAL IS TO BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF INSTALLATION AND ACCEPTANCE BY THE OWNER.

LONG-TERM MAINTENANCE

1. A QUALIFIED LANDSCAPE CONTRACTOR KNOWLEDGEABLE IN PRUNING TECHNIQUES, FERTILIZER APPLICATION, PEST CONTROL, AND LAWN CARE SHALL PERFORM ANNUAL LANDSCAPE MAINTENANCE.
2. THE OWNER SHALL BE RESPONSIBLE FOR REGULAR MOWING OF ALL LAWN AREAS.
3. ALL REQUIRED PLANTINGS SHALL BE MAINTAINED IN A GOOD CONDITION TO PRESENT, A HEALTHY, NEAT AND ORDERLY APPEARANCE SUCH PLANTINGS SHALL BE KEPT FREE FROM REFUSE AND DEBRIS. PLANTS DAMAGED BY INSECTS, DISEASE, VEHICULAR TRAFFIC, ACTS OF NATURE OR VANDALISM SHALL BE REPLACED BY THE NEXT PLANTING PERIOD.

GENERAL NOTES

1. SIGHT DISTANCE: NO LANDSCAPE ELEMENTS OR OTHER OBJECTS MAY OBSTRUCT VISION ABOVE THE HEIGHT OF TWO-FOOT AND BELOW THE HEIGHT OF TEN-FOOT MEASURED FROM THE CENTERLINE GRADE OF THE DRIVEWAY AND THE INTERSECTING STREET. SUCH CLEAR SIGHT TRIANGLE SHALL BE BOUND BY TWO POINTS 100-FOOT ON EITHER SIDE OF THE POINT OF INTERSECTION OF THE DRIVEWAY AND STREET CENTERLINES ALONG THE STREET, AND A THIRD POINT SHALL BE 100-FOOT BACK FROM THE STREET CENTERLINE ON THE CENTERLINE OF THE DRIVEWAY. THE CLEAR SIGHT TRIANGLE SHALL BE CONSIDERED AS A BUILDING SETBACK LINE.
2. MAINTENANCE PROVISIONS: THE OWNER SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE PARKING AREA SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE PARKING AREA LANDSCAPING IN A HEALTHY AND ATTRACTIVE CONDITION. DEAD AND PRUNED PLANT MATERIAL AND DEBRIS SHALL BE ROUTINELY REMOVED WITHIN 30 DAYS OF A DIRECTIVE TO DO SO AS ISSUED BY THE TOWNSHIP CODES ENFORCEMENT OFFICER.

PLANTING NOTES

1. ALL PLANT MATERIAL SHALL CONFORM TO THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, AND 2601-NURSERY STOCK.
2. ALL PLANT MATERIAL SHALL BE PROVIDED FROM NURSERIES THAT HAVE BEEN STATE CERTIFIED BY STATE PLANT INSPECTORS.
3. THE CALIPER OF THE TRUNK, MEASURED AT A HEIGHT OF SIX (6) INCHES ABOVE THE ROOT BALL (BREAST HEIGHT) SHALL BE A MINIMUM OF 1.5" FOR ALL TREES (UNLESS OTHERWISE SPECIFIED).
4. A CIRCULAR MULCH BED SHALL BE INSTALLED AT THE BASE OF EACH TREE. EACH MULCH BED SHALL HAVE A DIAMETER OF AT LEAST TWICE THAT OF THE ROOT BALL.

SEEDING NOTES

1. ALL TOPSOIL SHALL BE FREE OF STONES, LUMPS, PLANTS, ROOTS, AND OTHER DEBRIS OVER 1-1/2". TOPSOIL SHALL BE FREE OF WEEDS, WEED SEEDS, AND TOXIC SUBSTANCES THAT ARE HARMFUL TO PLANT GROWTH.
2. TOPSOIL SHALL BE FRABLE LOAMY SOIL (AS CLASSIFIED BY THE U.S. DEPARTMENT OF AGRICULTURE, HANDBOOK NO. 18, SOIL SURVEY MANUAL), FREE OF SUBSOIL, ROOTS, GRASS, AND FOREIGN MATTER WITH AN ACIDITY RANGE OF 5.5 TO 7.5 AND CONTAINING A MINIMUM OF 3% AND A MAXIMUM OF 10% ORGANIC MATTER. NO MORE THAN 10% BY WEIGHT SHALL BE LARGER THAN A NO. 10 U.S. STANDARD SIEVE TO THE EXTENT THAT ON-SITE MATERIAL MEETS THE REQUIREMENTS. SUCH MATERIAL MAY BE USED FOR TOPSOIL.
3. SOIL AMENDMENTS: TOPSOIL AMENDMENTS SHALL BE DETERMINED BY SOIL TESTS AND SHALL BE MADE BASED UPON THE DOMINANT VARIETY IN THE SEED MIX WHERE SOIL TESTS INDICATE THAT THE TOPSOIL IS SUITABLE AS TESTED. NO ADDITIONAL AMENDMENTS ARE REQUIRED.
4. FERTILIZER: ALL FERTILIZER SHALL BE UNIFORM IN COMPOSITION, FREE FLOWING, AN SUITABLE FOR APPLICATION BY MECHANICAL SPREADERS. ALL FERTILIZERS SHALL BE ORGANIC IN COMPOSITION.
5. LIME: LIME MATERIAL SHALL BE GROUND OR PULVERIZED LIMESTONE CONTAINING AT LEAST 50% TOTAL OXIDES, CALCIUM OXIDE PLUS MAGNESIUM OXIDE. LIMESTONE SHALL BE GROUND TO SUCH FINENESS THAT AT LEAST 50% WILL PASS THROUGH A 100-MESH SIEVE AND NOT LESS THAN 98% WILL PASS THROUGH A 20-MESH SIEVE.
6. MULCHING MATERIALS:
 - A. STRAW FREE OF ROT, MILDEW, NOXIOUS WEED SEEDS, AND SHALL BE SMALL GRAINED, SUCH AS WHEAT OR BARLEY, APPLY AT A RATE TO LIGHTLY COVER SOIL, APPROXIMATELY 100 LBS. PER 1,000 S.F.
 - B. CELLULOSE FIBER: PREPARED CELLULOSE PROCESSED INTO A UNIFORM FIBROUS PHYSICAL STATE. THE MATERIAL SHALL BE UNIFORM IN SUSPENSION IN WATER UNDER AGITATION AND WILL BLEND WITH SEED, FERTILIZER, AND OTHER ADDITIVES TO FORM A HOMOGENEOUS SLURRY. OTHER MULCHES, SUCH AS RECYCLED PAPER AND WOOD BLEND, RECYCLED PAPER, AND BINDING ACCESSORIES MAY BE UTILIZED AT THE CONTRACTOR'S DISCRETION.

DECIDUOUS TREE SCHEDULE					
KEY	QUANTITY	SIZE	BOTANICAL NAME	COMMON NAME	REMARKS
HL	6	1"-1 1/2" CAL.	GLEDITSIA TRIACANTHOS INERMIS "HAKKA"	THORNLESS HONEY LOCUST	B&B
AC	5	1"-1 1/2" CAL.	PRUNUS AUTUMNALIS	AUTUMN FLOWERING CHERRY	B&B
AP	3	6"-7"	AMELANCHER X PRINCE WILLIAM	SERVICE BERRY	B&B

EVERGREEN TREE SCHEDULE					
KEY	QUANTITY	SIZE	BOTANICAL NAME	COMMON NAME	REMARKS
DF	14	5'-6"	PSEUDOTSUGA	DOUGLAS FIR	B&B

THE COMBINATION OF EXISTING WOODS, PROPOSED TREES, PROPOSED BASIN SEED MIX AND PLUG PLANTINGS, THE OVERALL LANDSCAPED AREA 16%.

LEGEND
LANDSCAPING FEATURES

- DECIDUOUS TREE
- EVERGREEN TREE
- SHRUB
- WOOD MULCH
- GROUND COVER PLANTINGS
- PLANT KEY

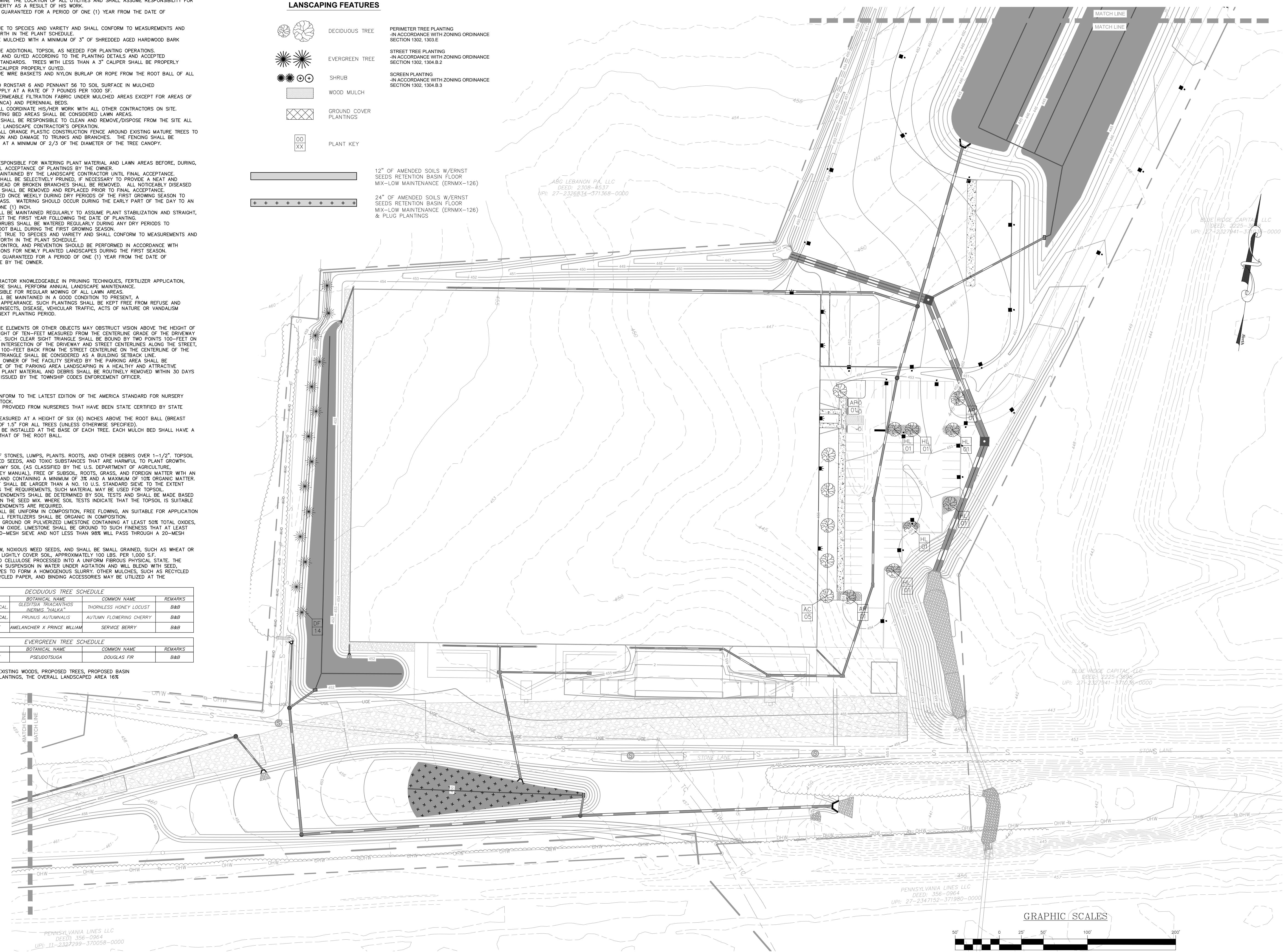
PERIMETER TREE PLANTING
-IN ACCORDANCE WITH ZONING ORDINANCE SECTION 1302.1303E

STREET TREE PLANTING
-IN ACCORDANCE WITH ZONING ORDINANCE SECTION 1302.1304B.2

SCREEN PLANTING
-IN ACCORDANCE WITH ZONING ORDINANCE SECTION 1302.1304B.3

12" OF AMENDED SOILS W/ERNST SEEDS RETENTION BASIN FLOOR MIX-LOW MAINTENANCE (ERNMX-126)

24" OF AMENDED SOILS W/ERNST SEEDS RETENTION BASIN FLOOR MIX-LOW MAINTENANCE (ERNMX-126) & PLUG PLANTINGS



REVISION	DATE	BY
LCPD COMMENTS - 1/30/24	2/8/24	JMK
ARRO COMMENTS - 1/19/24	3/11/24	JMK/EJG
NLTHA COMMENTS - 1/16/24	3/11/24	JMK

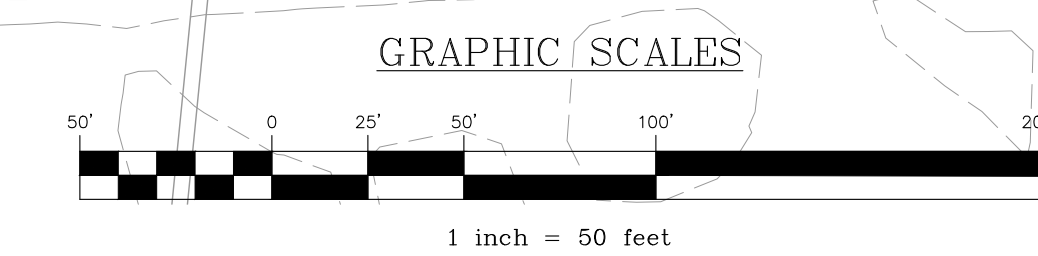
REVISION	DATE	BY
LCPD COMMENTS - 1/30/24	2/8/24	JMK
ARRO COMMENTS - 1/19/24	3/11/24	JMK/EJG
NLTHA COMMENTS - 1/16/24	3/11/24	JMK

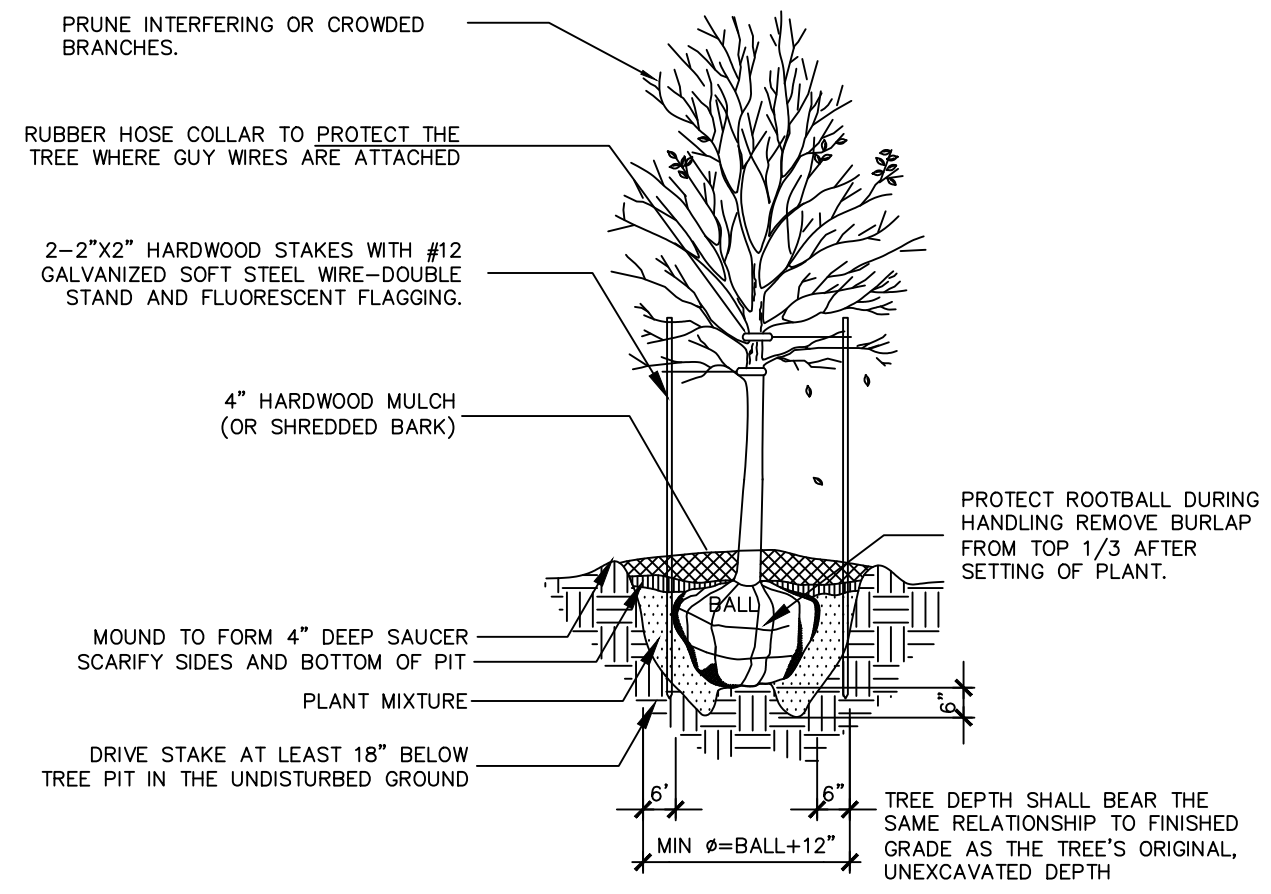
LANDSCAPING PLAN

PRELIMINARY/FINAL SUBDIVISION & LAND DEVELOPMENT PLAN
for
FLEXO-PACK USA, INC.
located in
North Lebanon Township
Lebanon County, Pennsylvania

CS
Steckbeck Engineering & Surveying, Inc.
279 North Zions Mill Road / Suite A
Lebanon, Pennsylvania 17042
Phone: (717) 272-1710
Fax: (717) 272-1546

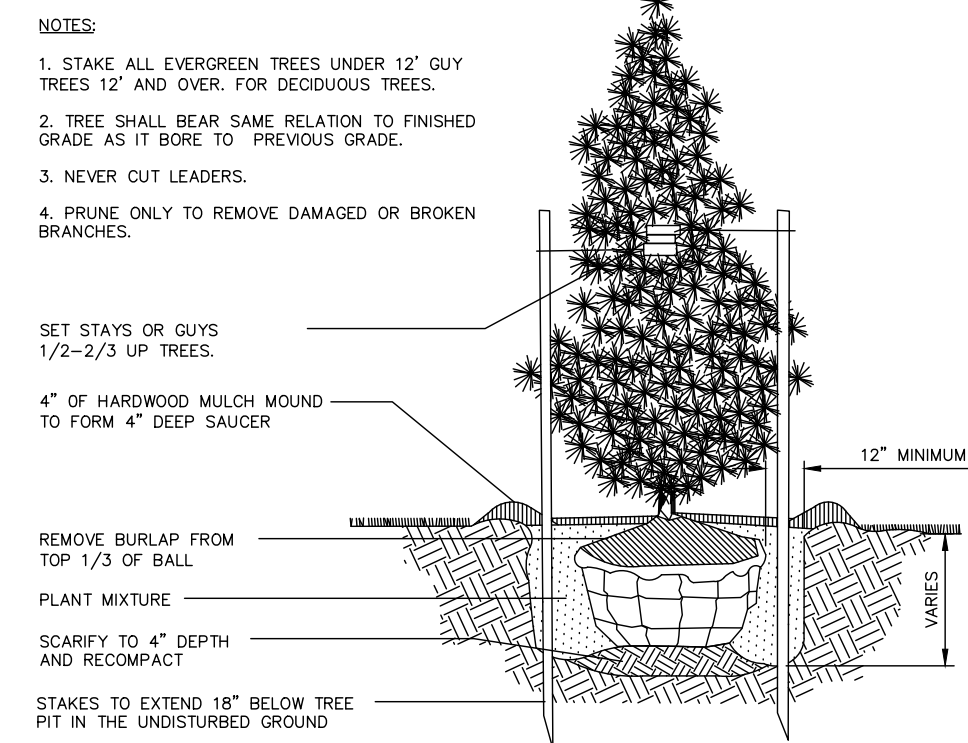
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BASE MAP:	DY
DRAWN:	ABK/JMK
DESIGN:	ABK/EJG
CHECKED:	ABK
DATE:	3/12/24
PROJECT #	132-23-007





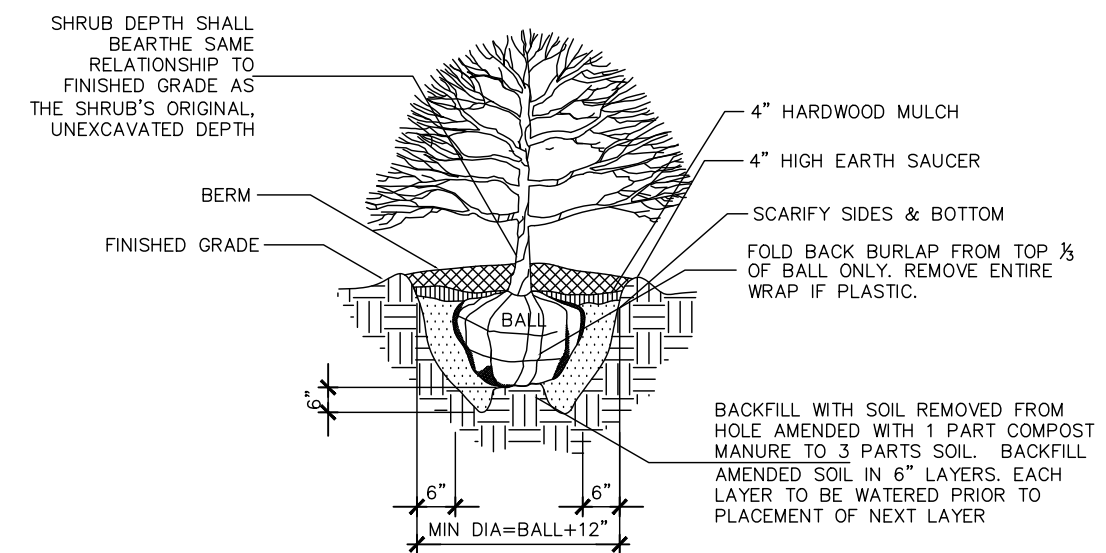
DECIDUOUS TREE PLANTING DETAIL

NO SCALE



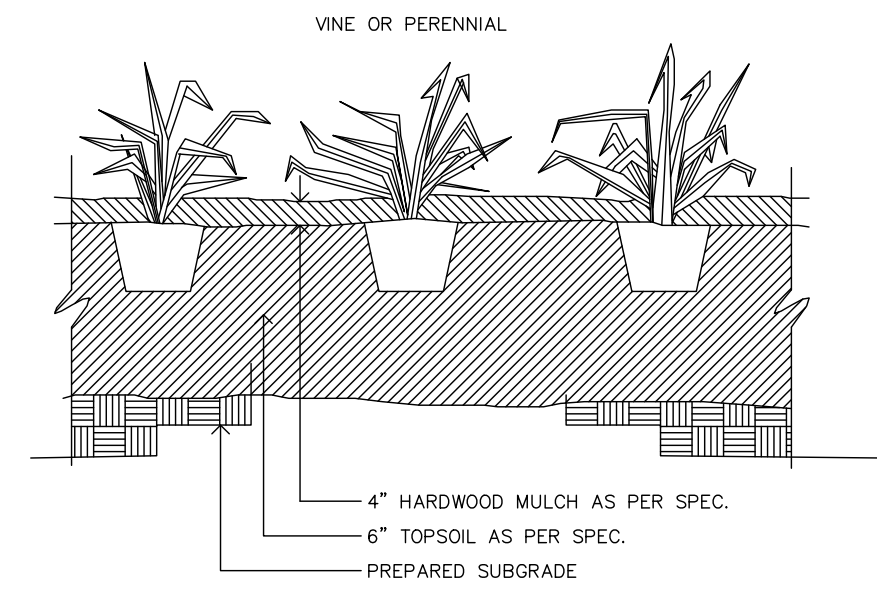
EVERGREEN TREE PLANTING DETAIL

NO SCALE



SHRUB PLANTING DETAIL

NO SCALE



GROUND COVER PLANTING DETAIL

NO SCALE

LEGEND

LANDSCAPING FEATURES

- DECIDUOUS TREE
 - EVERGREEN TREE
 - SHRUB
 - WOOD MULCH
 - GROUND COVER PLANTINGS
 - PLANT KEY
- PERIMETER TREE PLANTING
-IN ACCORDANCE WITH ZONING ORDINANCE SECTION 1302, 1303 E
- STREET TREE PLANTING
-IN ACCORDANCE WITH ZONING ORDINANCE SECTION 1302, 1304 B.2
- SCREEN PLANTING
-IN ACCORDANCE WITH ZONING ORDINANCE SECTION 1302, 1304 B.3

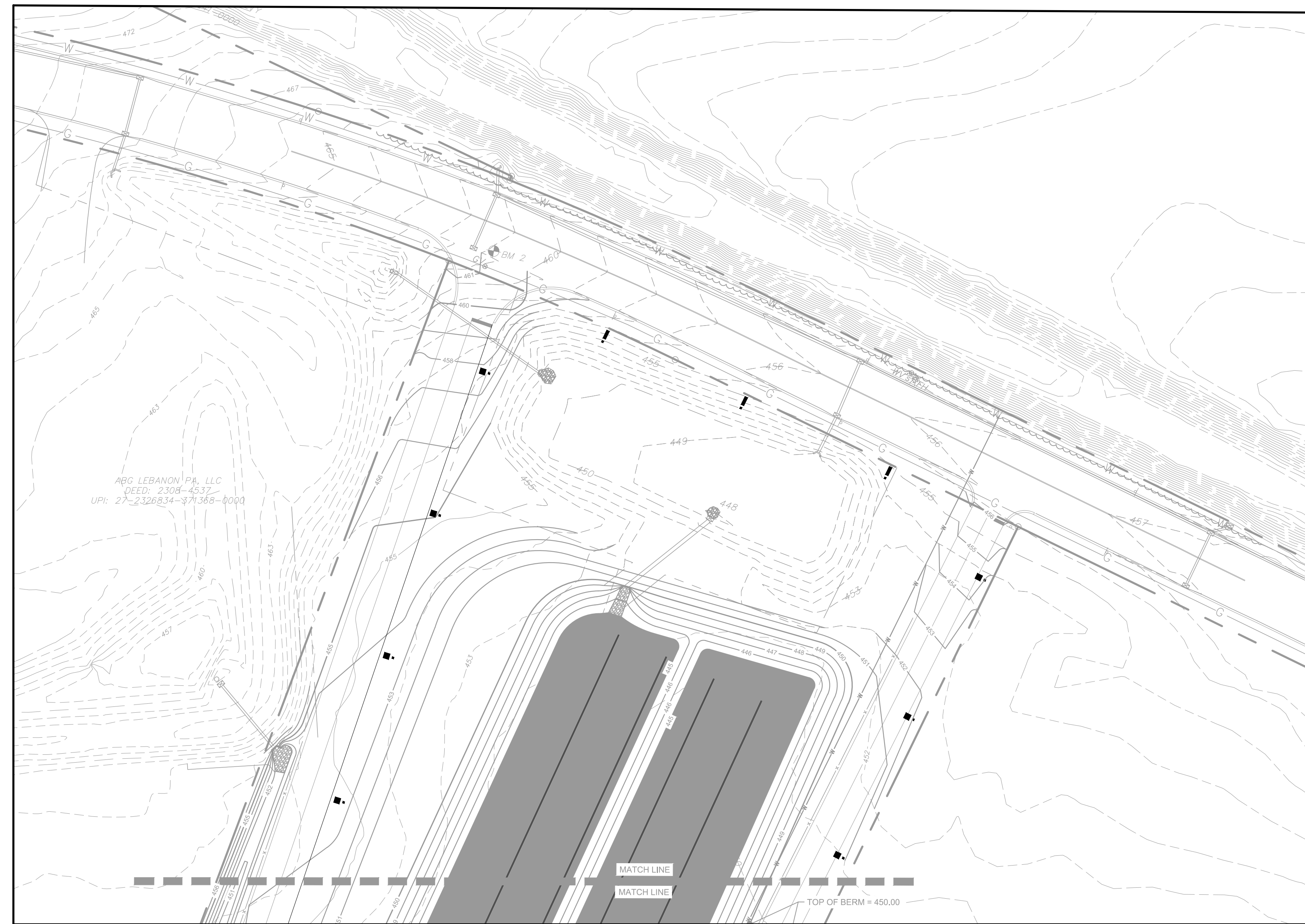
DECIDUOUS TREE SCHEDULE					
KEY	QUANTITY	SIZE	BOTANICAL NAME	COMMON NAME	REMARKS
HL	6	1"-1 1/2" CAL.	GLADYSTIA TRIACANTHOS	THORNLESS HONEY LOCUST	B&B
AC	5	1"-1 1/2" CAL.	PRUNUS AUTUMNALIS	AUTUMN FLOWERING CHERRY	B&B
AP	3	6"-7"	AMELANCHIER X PRINCE WILLIAM	SERVICE BERRY	B&B

EVERGREEN TREE SCHEDULE					
KEY	QUANTITY	SIZE	BOTANICAL NAME	COMMON NAME	REMARKS
DF	14	5'-6'	PSEUDOTSUGA	DOUGLAS FIR	B&B

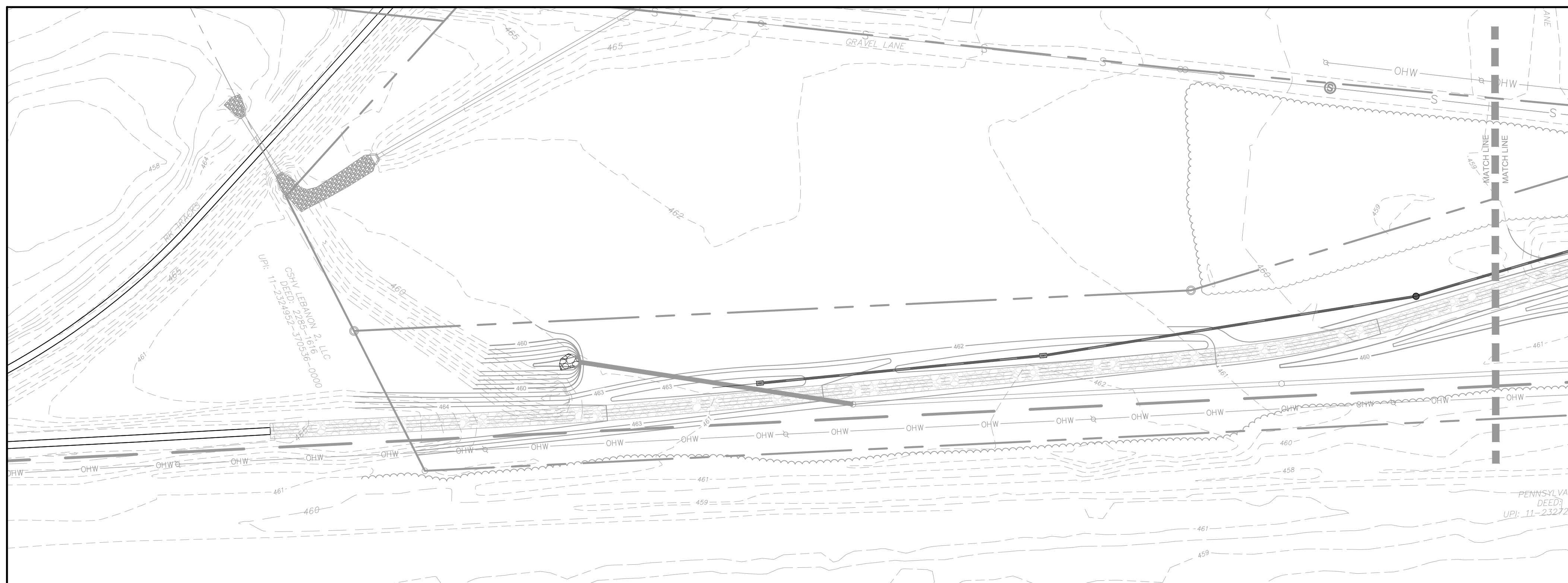
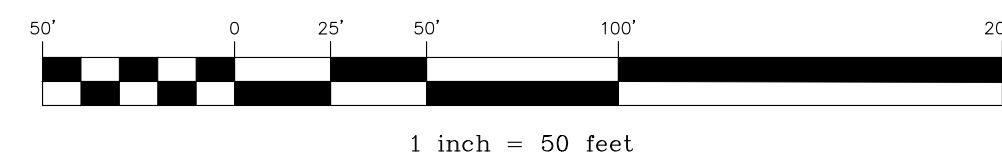
THE COMBINATION OF EXISTING WOODS, PROPOSED TREES, PROPOSED BASIN SEED MIX AND PLUG PLANTINGS, THE OVERALL LANDSCAPED AREA 16%

12" OF AMENDED SOILS W/ERNST SEEDS RETENTION BASIN FLOOR MIX—LOW MAINTENANCE (ERNMX-126)

24" OF AMENDED SOILS W/ERNST SEEDS RETENTION BASIN FLOOR MIX—LOW MAINTENANCE (ERNMX-126) & PLUG PLANTINGS



GRAPHIC SCALES

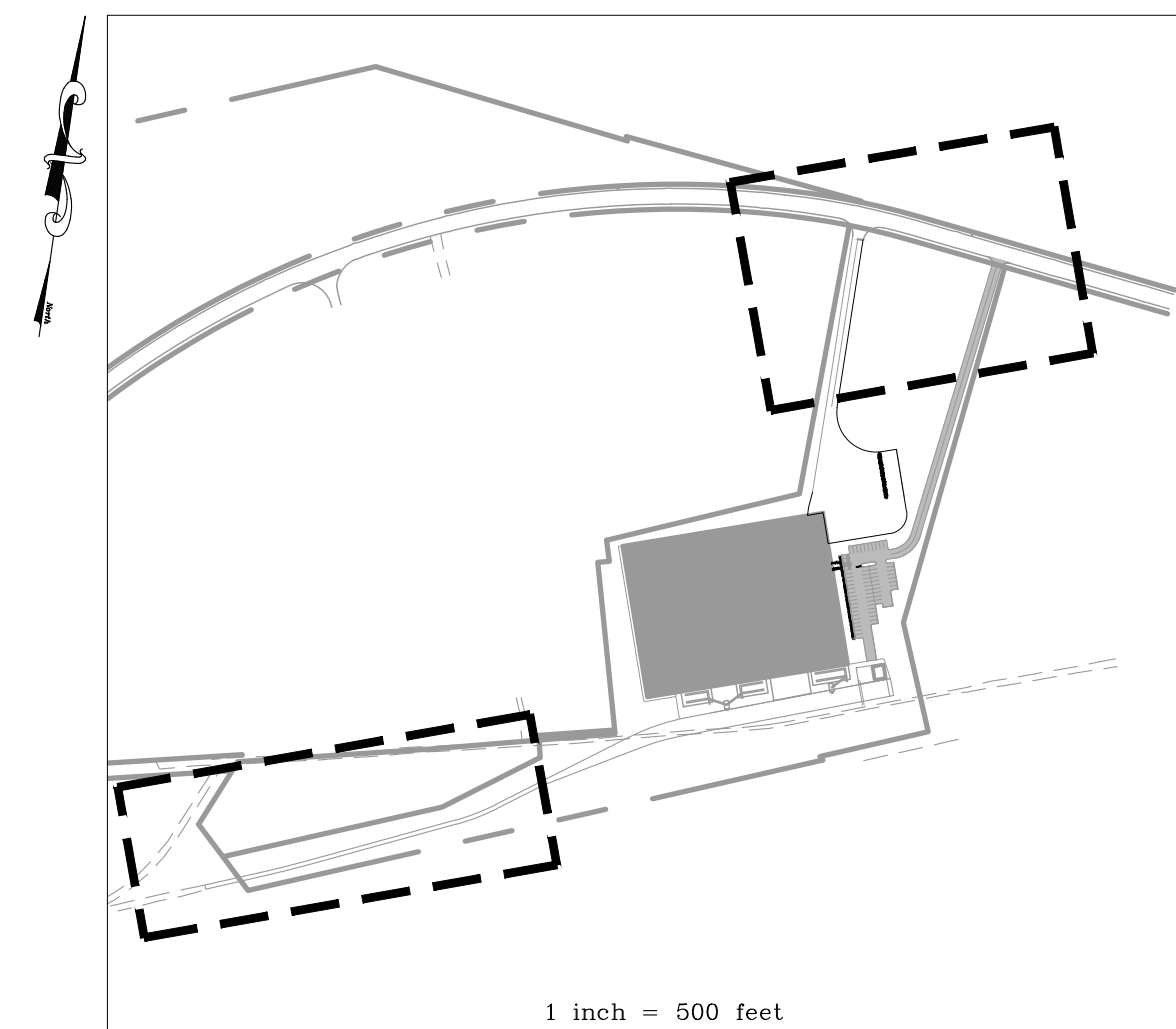


APPLICATION	SPECIES	APPLICATION RATE 1 (P.L.S. IN LBS/AC)	FERTILIZER (LBS/ACRE)	LIMING RATE 2 (TONS/ACRE)	FINAL SEEDING DATE
TEMPORARY	ANNUAL RYE	174	50-50-50 N-P ₂ O ₅ -K ₂ O	AG GRADE	OCTOBER 30
PERMANENT	FINE FESCUES	60	50-50-50 N-P ₂ O ₅ -K ₂ O	AG GRADE	OCTOBER 30
	KENTUCKY BLUEGRASS AND PERENNIAL RYEGRASS	90	100-200-200 N-P ₂ O ₅ -K ₂ O	AG GRADE	AUGUST 30 AND OCTOBER 30
ATHLETIC FIELDS	PERENNIAL RYEGRASS	25	50-50-50 N-P ₂ O ₅ -K ₂ O	AG GRADE	OCTOBER 30
	KENTUCKY BLUEGRASS AND PERENNIAL RYEGRASS	150	100-200-200 N-P ₂ O ₅ -K ₂ O	AG GRADE	AUGUST 30 AND OCTOBER 30
RIPARIAN BUFFER	ERNST MIX	20	100-200-200 N-P ₂ O ₅ -K ₂ O	AG GRADE	AUGUST 30 AND OCTOBER 30

1. PLS IS PURE LIVE SEED. PLS IS THE PRODUCT OF THE PERCENTAGE OF PURE SEED TIMES PERCENTAGE GERMINATION DIVIDED BY 100. TO SECURE THE ACTUAL PLANTING RATE, DIVIDE THE POUNDS PLS BY THE PLS PERCENTAGE SHOWN ON THE SEED TAG OR AS PREVIOUSLY DISCUSSED. THUS, IF THE PLS CONTENT OF FINE FESCUES IS 50%, DIVIDE 7 PLS BY 0.50 TO OBTAIN 140 POUNDS OF SEED PER ACRE.
2. LIMING RATE SHALL BE IN ACCORDANCE WITH SOIL TEST RESULTS. APPLY 6 TONS OF AGRICULTURAL GRADE LIMESTONE/AC OF LAND DISTURBED BY DIVERSIONS AND DAMS.
3. ALL SEEDING AREAS SHALL BE MULCHED WITH HAY OR STRAW APPLIED AT A RATE OF 3 TONS/ACRE. MULCH TO BE ANCHORED WITH WOOD CELLULOSE FIBER @ 750 LBS/AC.

SEEDING & FERTILIZER SPECIFICATIONS

NO SCALE



LANDSCAPING PLAN

PRELIMINARY/FINAL SUBDIVISION & LAND DEVELOPMENT PLAN

For

FLEXO-PACK USA, INC.

located in

North Lebanon Township
Lebanon County, Pennsylvania

ABSI

Steinbeck Engineering & Surveying, Inc.
279 Lebanon, Pennsylvania 17042
Phone: (717) 272-7110
Fax: (717) 272-2548

FIELD CREW:	SS/TB
BASE MAP:	DY
DRAWN:	ABK/JMK
DESIGN:	ABK/EJG
CHECKED:	ABK
DATE:	3/12/24
PROJECT #	132-23-007

LEGEND

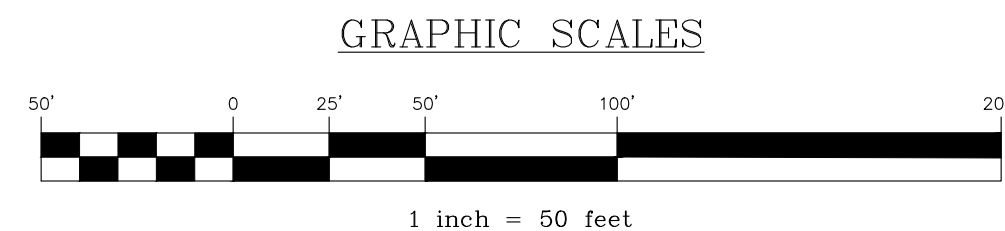
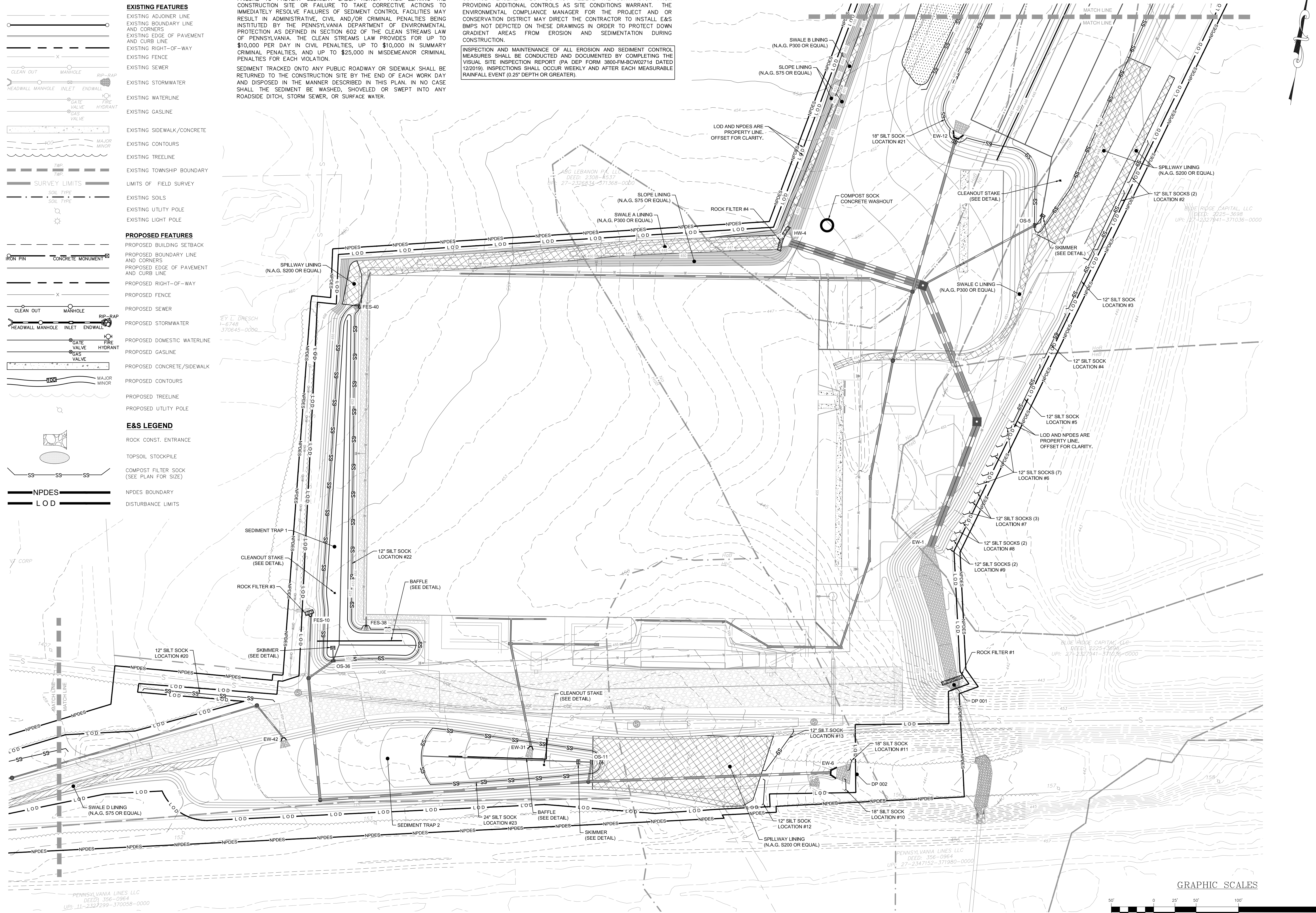
- EXISTING FEATURES**
- EXISTING ADJOINER LINE
 - EXISTING BOUNDARY LINE AND CORNERS
 - EXISTING EDGE OF PAVEMENT AND CURB LINE
 - EXISTING RIGHT-OF-WAY
 - EXISTING FENCE
 - EXISTING SEWER
 - EXISTING STORMWATER
 - EXISTING WATERLINE
 - EXISTING GASLINE
 - EXISTING SIDEWALK/CONCRETE
 - EXISTING CONTOURS
 - EXISTING TREELINE
 - EXISTING TOWNSHIP BOUNDARY
 - LIMITS OF FIELD SURVEY
 - EXISTING SOILS
 - EXISTING UTILITY POLE
 - EXISTING LIGHT POLE
- PROPOSED FEATURES**
- PROPOSED BUILDING SETBACK
 - PROPOSED BOUNDARY LINE AND CORNERS
 - PROPOSED EDGE OF PAVEMENT AND CURB LINE
 - PROPOSED RIGHT-OF-WAY
 - PROPOSED FENCE
 - PROPOSED SEWER
 - PROPOSED STORMWATER
 - PROPOSED DOMESTIC WATERLINE
 - PROPOSED GASLINE
 - PROPOSED CONCRETE/SIDEWALK
 - PROPOSED CONTOURS
 - PROPOSED TREELINE
 - PROPOSED UTILITY POLE
- E&S LEGEND**
- ROCK CONST. ENTRANCE
 - TOPSOIL STOCKPILE
 - COMPOST FILTER SOCK (SEE PLAN FOR SIZE)
 - NPDES BOUNDARY
 - DISTURBANCE LIMITS

EROSION AND SEDIMENT CONTROL LIABILITY NOTE:
 FAILURE TO CORRECTLY INSTALL SEDIMENT CONTROL FACILITIES OR FAILURE TO PREVENT SEDIMENT LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE OR FAILURE TO TAKE CORRECTIVE ACTIONS TO IMMEDIATELY RESOLVE FAILURES OF SEDIMENT CONTROL FACILITIES MAY RESULT IN ADMINISTRATIVE, CIVIL AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS DEFINED IN SECTION 602 OF THE CLEAN STREAMS LAW OF PENNSYLVANIA. THE CLEAN STREAMS LAW PROVIDES FOR UP TO \$10,000 PER DAY IN CIVIL PENALTIES, UP TO \$10,000 IN SUMMARY CRIMINAL PENALTIES, AND UP TO \$25,000 IN MISDEMEANOR CRIMINAL PENALTIES FOR EACH VIOLATION.

SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED OR SWEEPED INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.

THESE PLANS INDICATE CRITICAL AREAS FOR EROSION AND SEDIMENT CONTROL PLACEMENT BUT DO NOT RELIEVE THE CONTRACTOR FROM PROVIDING ADDITIONAL CONTROLS AS SITE CONDITIONS WARRANT. THE ENVIRONMENTAL COMPLIANCE MANAGER FOR THE PROJECT AND OR CONSERVATION DISTRICT MAY DIRECT THE CONTRACTOR TO INSTALL E&S BMPs NOT DEPICTED ON THESE DRAWINGS IN ORDER TO PROTECT DOWN GRADIENT AREAS FROM EROSION AND SEDIMENTATION DURING CONSTRUCTION.

INSPECTION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONDUCTED AND DOCUMENTED BY COMPLETING THE VISUAL SITE INSPECTION REPORT (PA DEP FORM 3800-FM-BCW0271d DATED 12/2019). INSPECTIONS SHALL OCCUR WEEKLY AND AFTER EACH MEASURABLE RAINFALL EVENT (0.25" DEPTH OR GREATER).



REVISION	DATE	BY	COMMENTS
---	---	JMK	---

REVISION	DATE	BY	COMMENTS
---	---	JMK	---
---	---	JMK	---
---	---	JMK	---

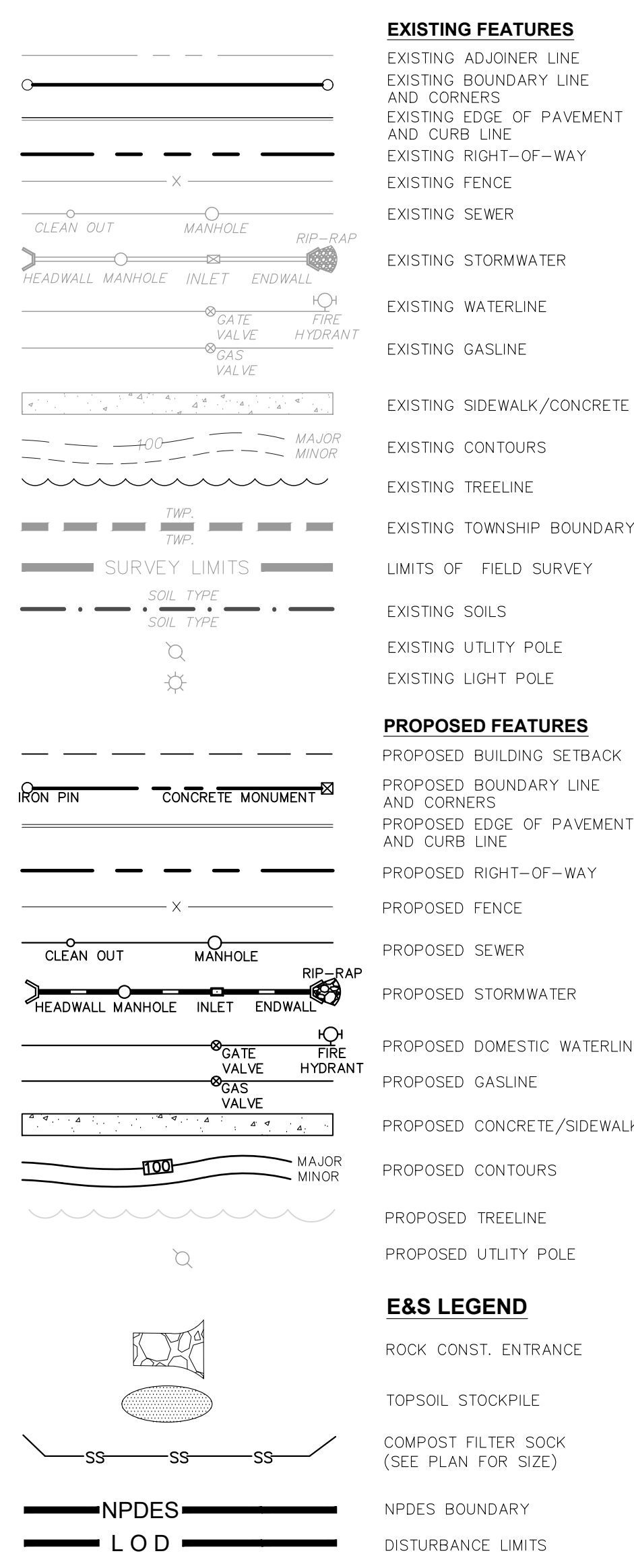
EROSION & SEDIMENT CONTROL PLAN

PRELIMINARY/FINAL SUBDIVISION & LAND DEVELOPMENT PLAN
 FLEXPACK USA, INC.
 North Lebanon Township
 Lebanon County, Pennsylvania

RESI
 Steadbeck Engineering & Surveying, Inc.
 279 Lebanon, Pennsylvania 17042
 Phone: (717) 272-7110
 Fax: (717) 272-7348

FIELD CREW:	SS/TB
BASE MAP:	DY
DRAWN:	ABK/JMK
DESIGN:	ABK/EJG
CHECKED:	ABK
DATE:	3/12/24
PROJECT #	132-23-007

LEGEND

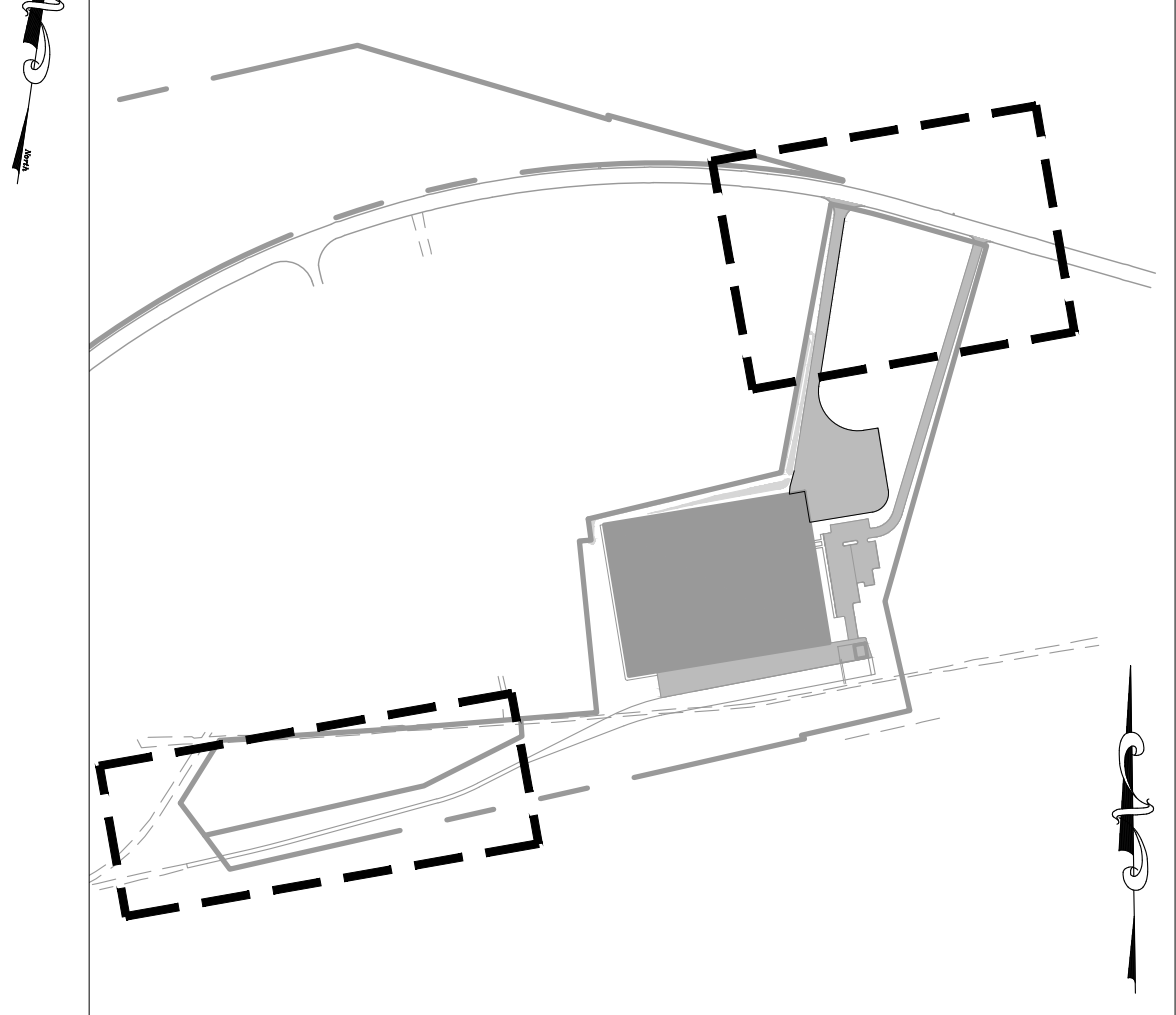
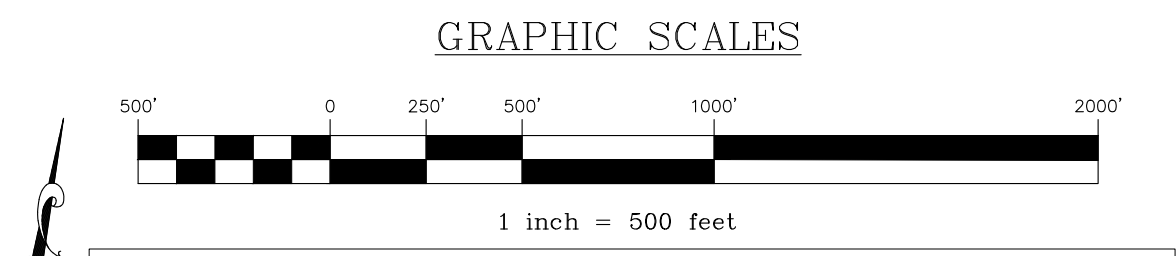
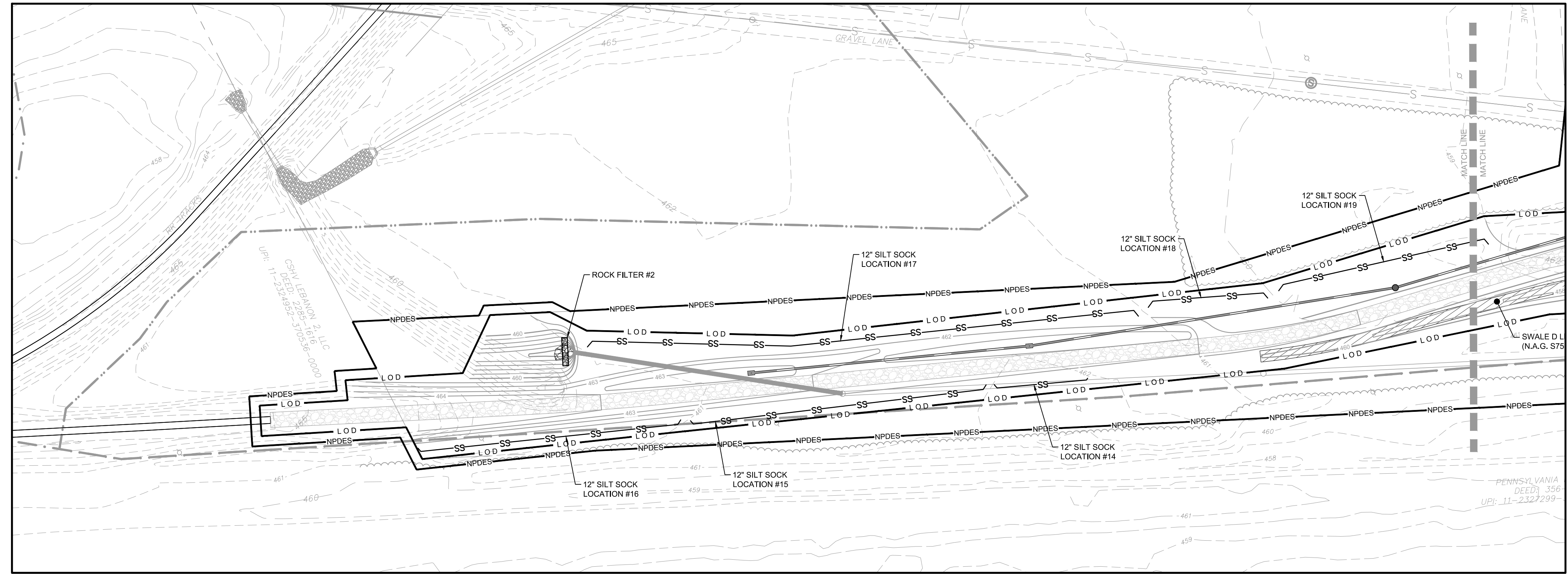
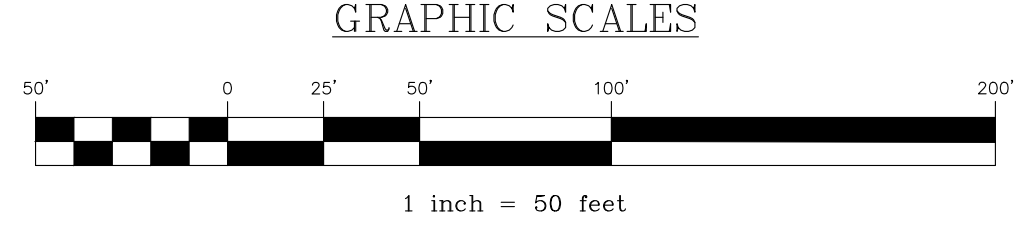
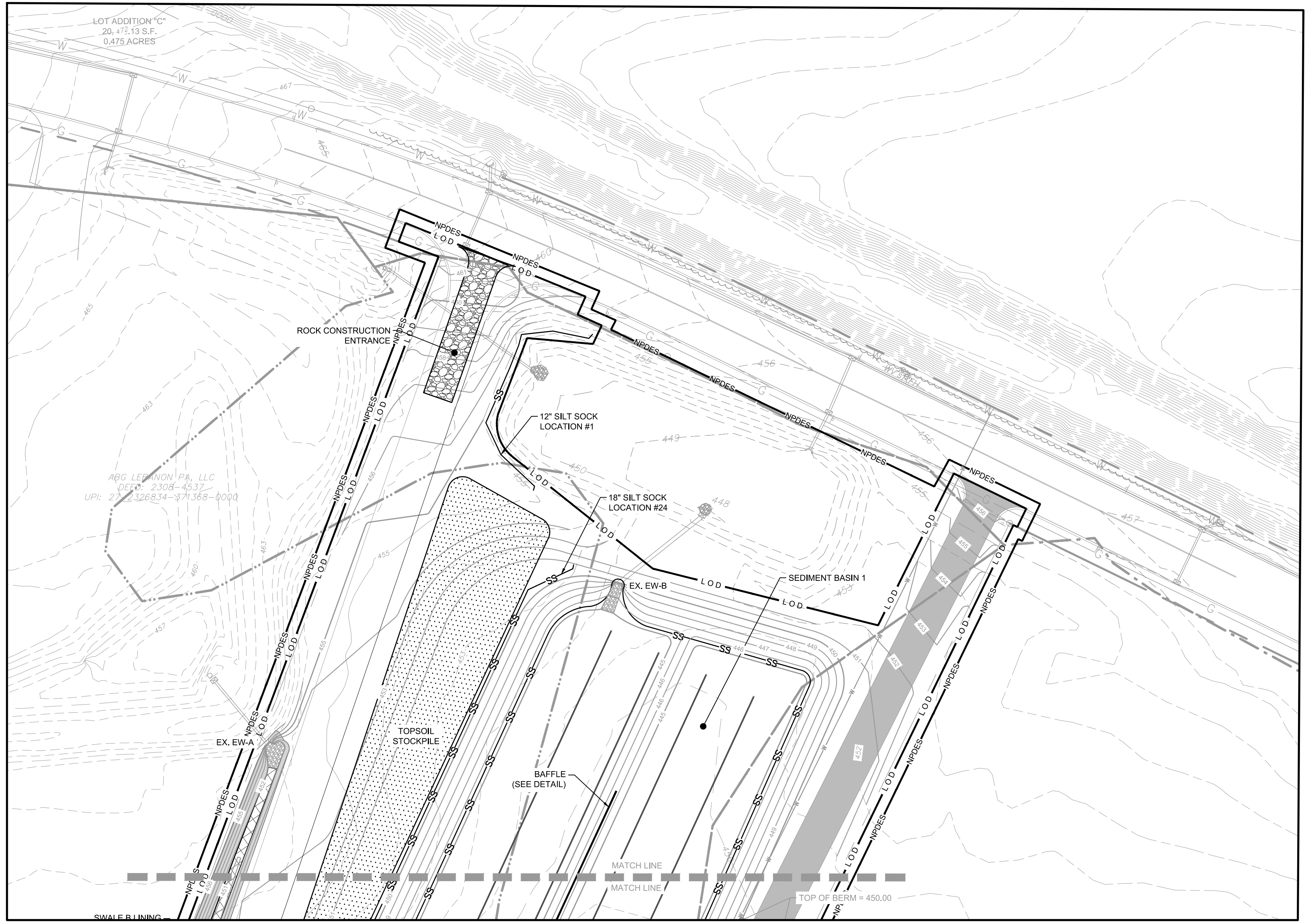


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REVISION	DATE	BY
LCPD COMMENTS - 1/30/24	2/8/24	JMK
ARRO COMMENTS - 1/18/24	3/11/24	JMK/EJG
NLMA COMMENTS - 1/16/24	3/11/24	JMK

EROSION & SEDIMENT CONTROL PLAN

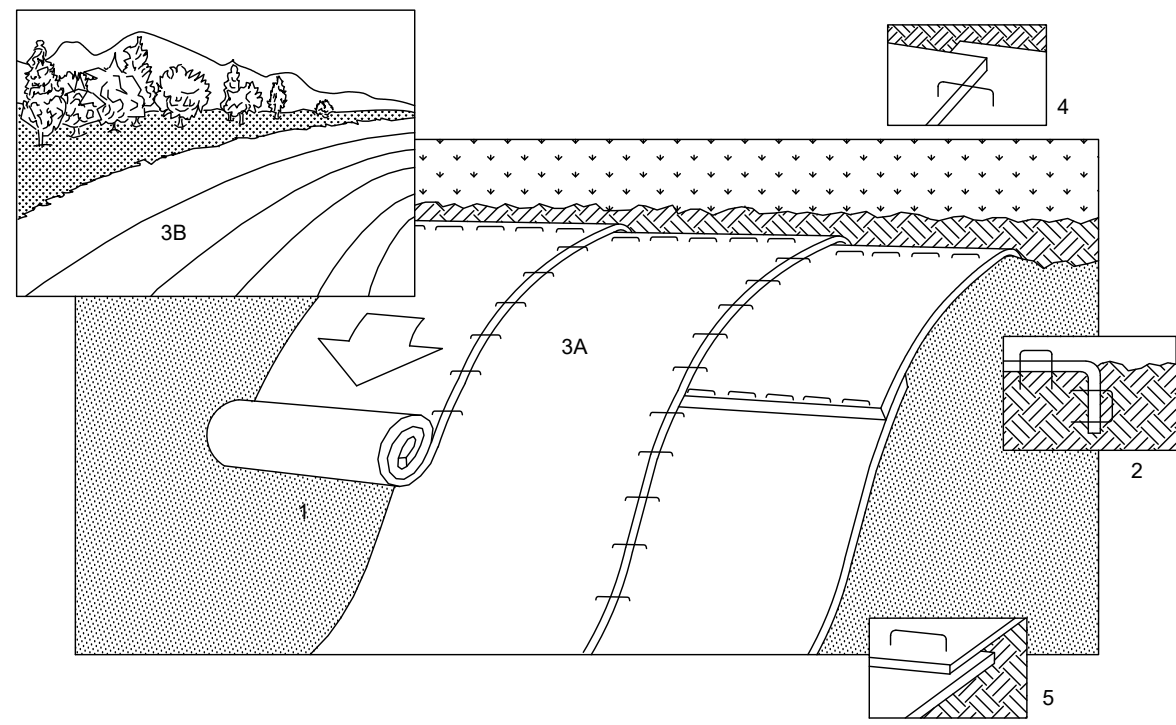
PRELIMINARY/FINAL SUBDIVISION & LAND DEVELOPMENT PLAN

For
FLEXO-PACK USA, INC.

located in
North Lebanon Township
Lebanon County, Pennsylvania

SEI
Steadbeck Engineering & Surveying Inc.
279 Lebanon, Pennsylvania 17042
Phone: (717) 272-7110
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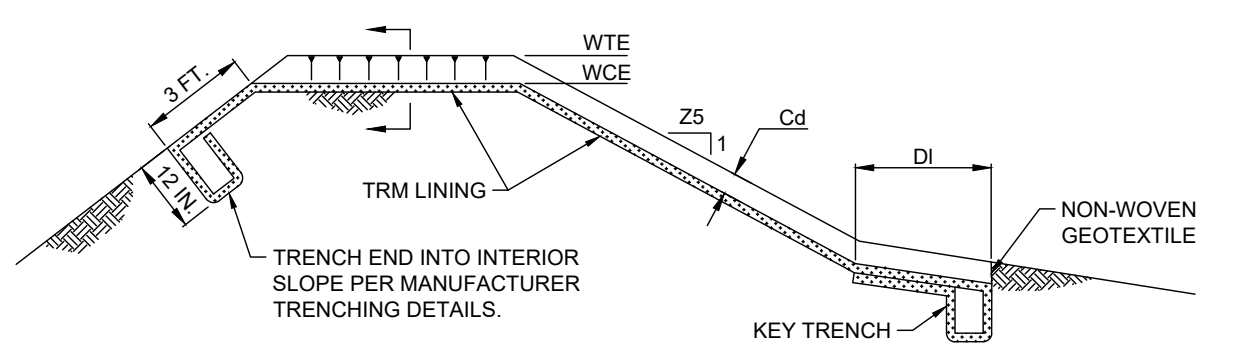
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BASE MAP:	DY
DRAWN:	ABK/JMK
DESIGN:	ABK/EJG
CHECKED:	ABK
DATE:	3/12/24



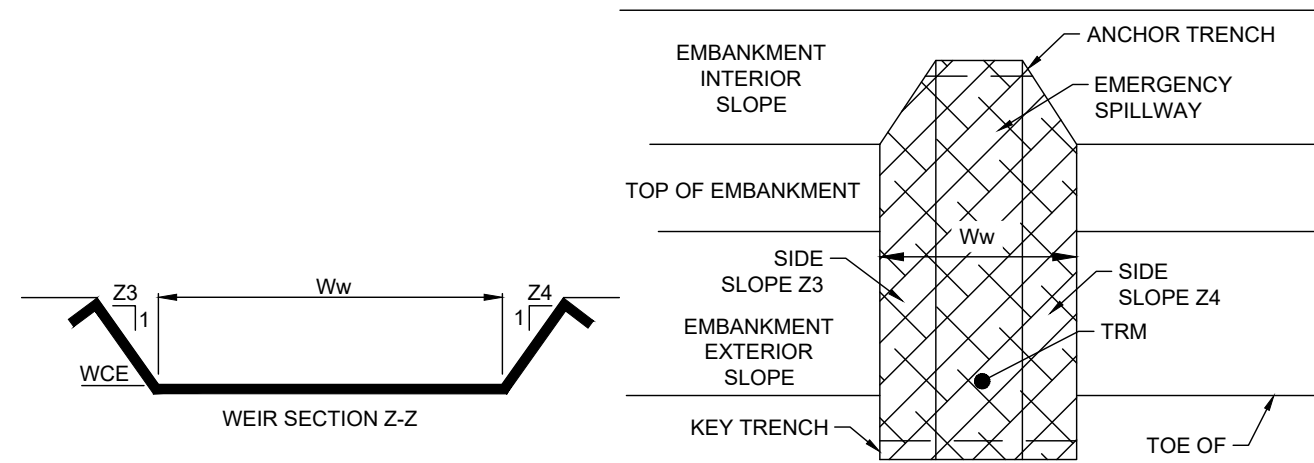
- NOTES:**
- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED. WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
 - BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. REFER TO THE GENERAL STAPLE PATTERN GUIDE FOR CORRECT STAPLE PATTERN RECOMMENDATIONS FOR SLOPE INSTALLATIONS.
 - ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE.
 - THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
 - WHEN BLANKETS MUST BE SPICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.

SLOPE MATTING INSTALLATION DETAIL

NO SCALE

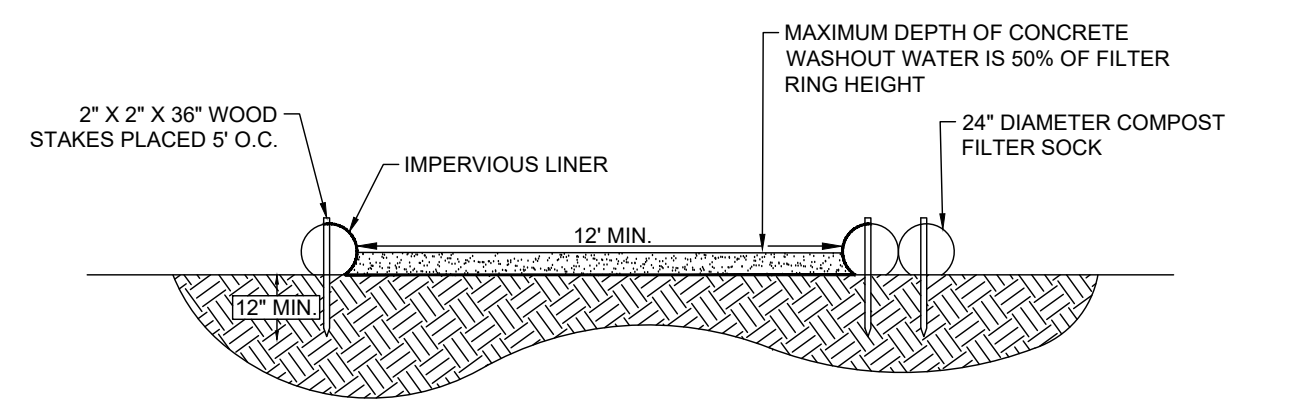


BASIN NO.	WEIR		LINING		CHANNEL		DISSIPATOR		RIPRAP THICK. (IN)			
	Z3 (FT)	Z4 (FT)	TOP ELEV. (FT)	CREST ELEV. (FT)	WIDTH (FT)	TRM TYPE	DEPTH (FT)	LENGTH (FT)		WIDTH (FT)	RIPRAP SIZE (R-L)	
IB1	60	100	450.00	448.50	80	S200	E	50	1.50	15	N/A	N/A
IB2	3	3	454.95	453.25	10	S200	E	50	1.70	15	N/A	N/A
DB1	5	5	455.50	454.00	50	S200	E	10	1.50	15	N/A	N/A

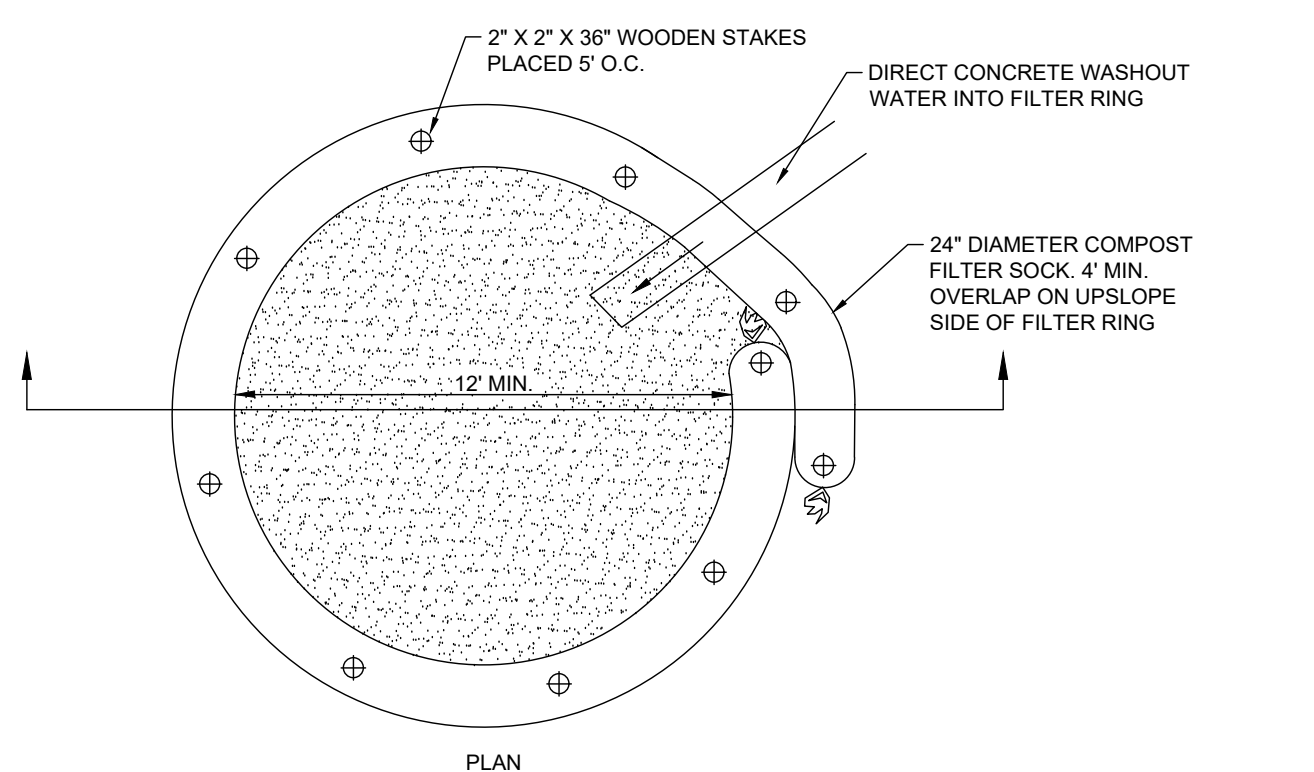


BASIN EMERGENCY SPILLWAY DETAIL

NO SCALE



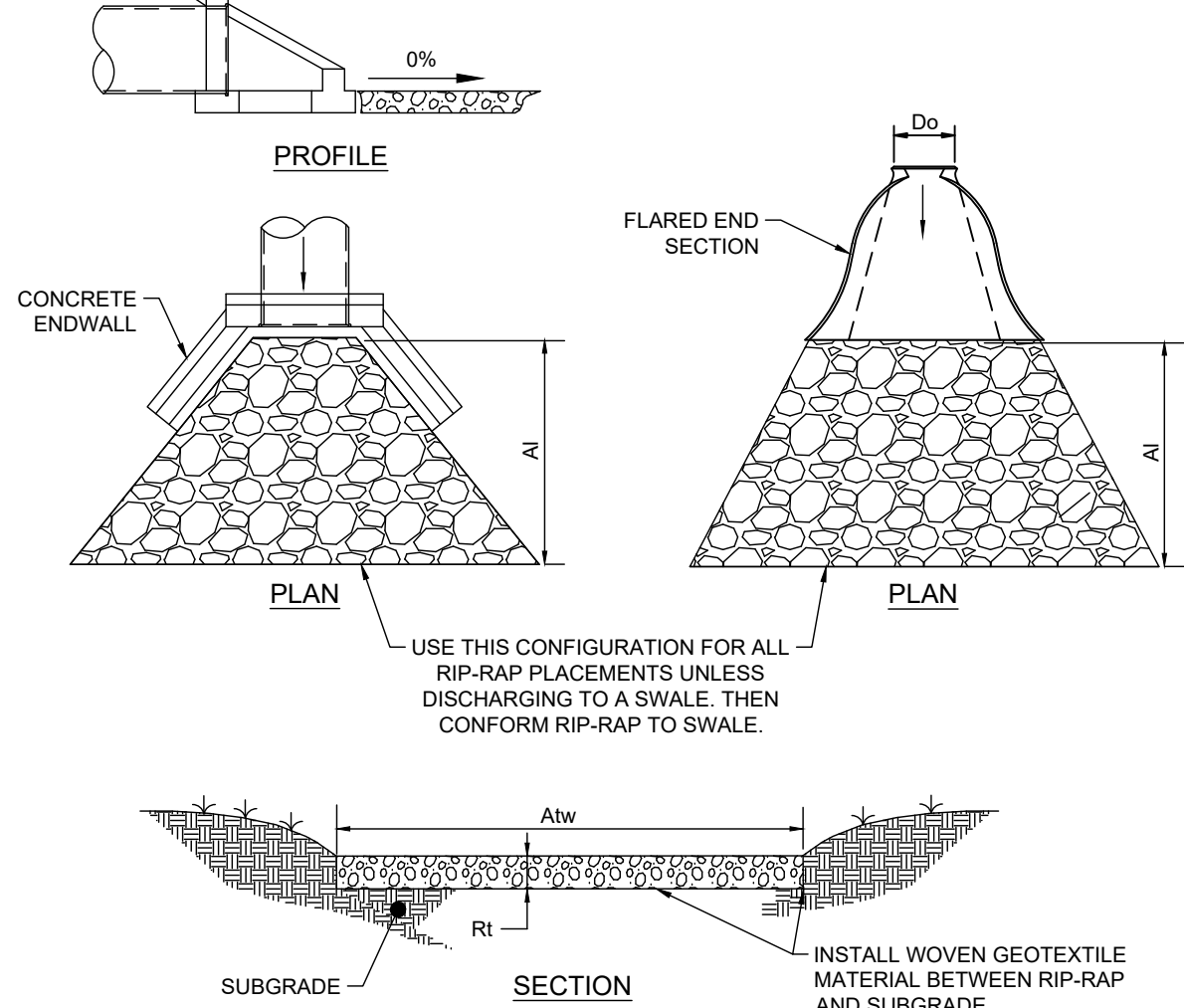
- NOTES:**
- INSTALL ON FLAT GRADE FOR OPTIMUM PERFORMANCE
 - 18" DIAMETER FILTER SOCK MAY BE STACKED ONTO DOUBLE 24" DIAMETER SOCKS IN PYRAMIDAL CONFIGURATION FOR ADDED HEIGHT.



TYPICAL COMPOST SOCK WASHOUT INSTALLATION

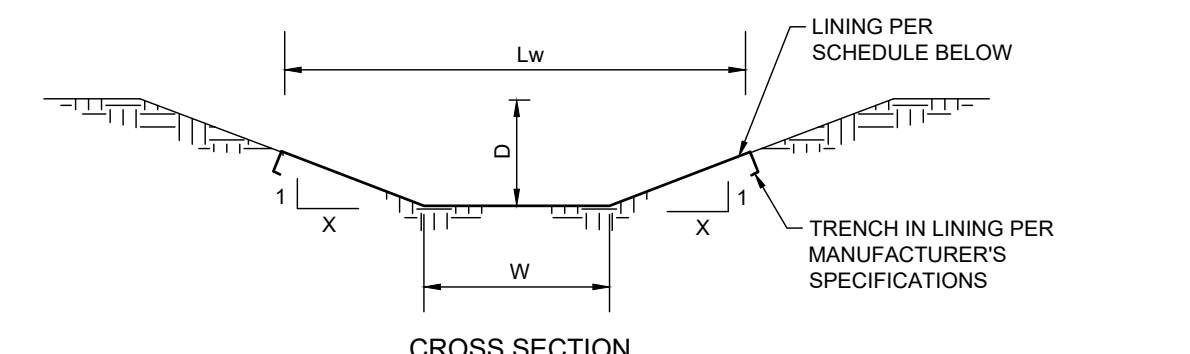
NO SCALE

PIPE NO.	PIPE DIA. Do (in.)	RIPRAP SIZE	Rt (in)	At (ft)	Alw (ft)	Atw (ft)
EW-6	30	R-4	18	16	8	24
EW-1 (2B)	42	R-6	36	22	21	43
EW-42	15	R-4	18	8	4	12
FES-38	12	R-5	27	4	3	5
FES-40	12	R-4	18	4	3	5
EW-12	30	R-5	27	12	8	12
EW-31	24	R-4	18	9	6	10
EX. EW-A	18	R-4	18	10	5	15
EX. EW-B	30	R-4	18	12	8	12



FLARED END SECTION/ENDWALL RIP RAP DETAIL

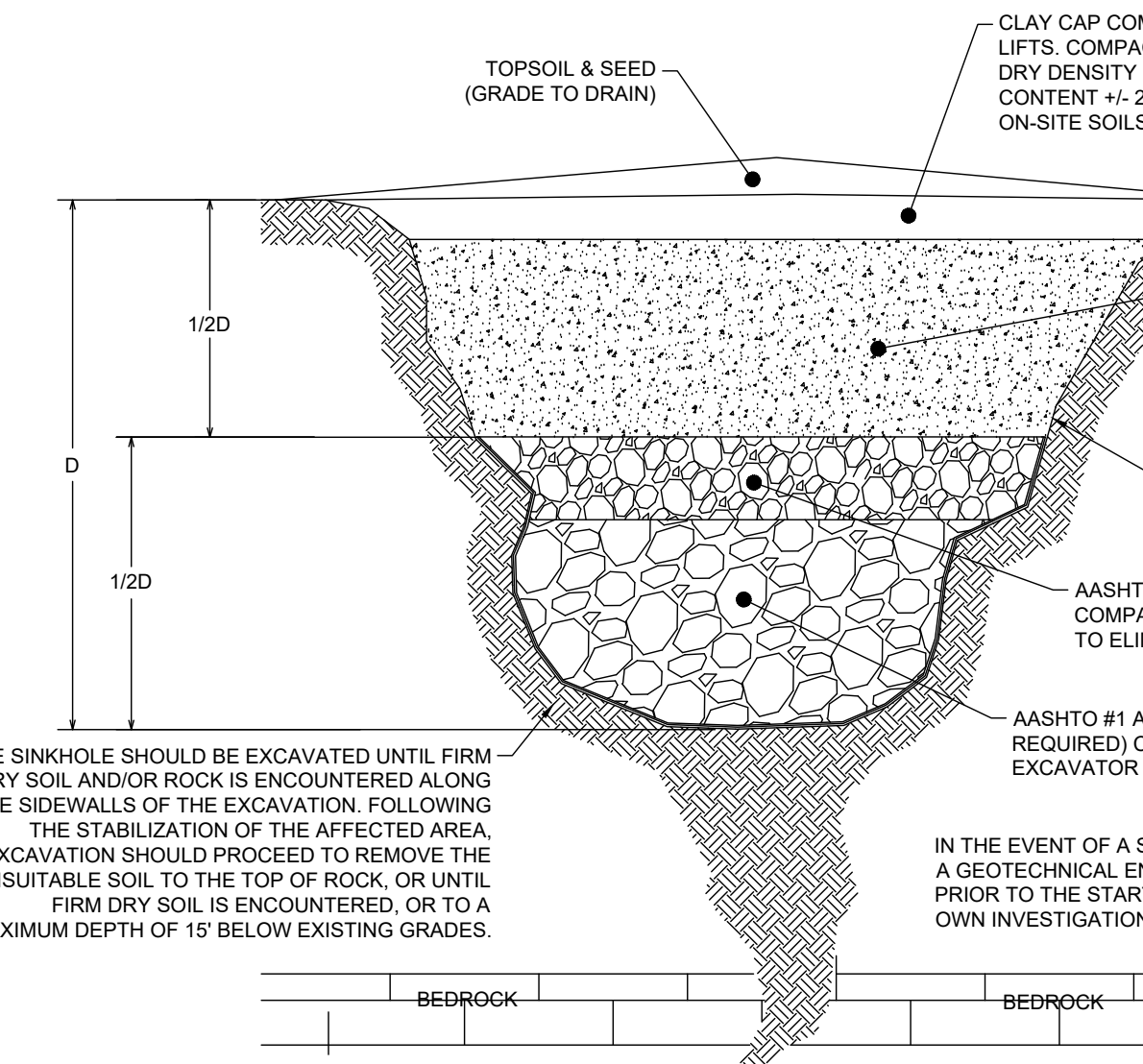
NO SCALE



SWALE NO.	WIDTH (W)	DEPTH (D)	SIDE SLOPE (X)	MAX. SLOPE	LINING WIDTH (Lw)	LINING	TEMPORARY LINING	STAPLE PATTERN
A	5'	2'	3	2.5%	11'	GRASS	N.A.G. P300	E
B	2'	1.5'	3	2.8%	11'	GRASS	N.A.G. P300	E
C	2'	1'	3	6%	8'	GRASS	N.A.G. P300	E
D	2'	1'	3	1.3%	8'	GRASS	N.A.G. S75	D

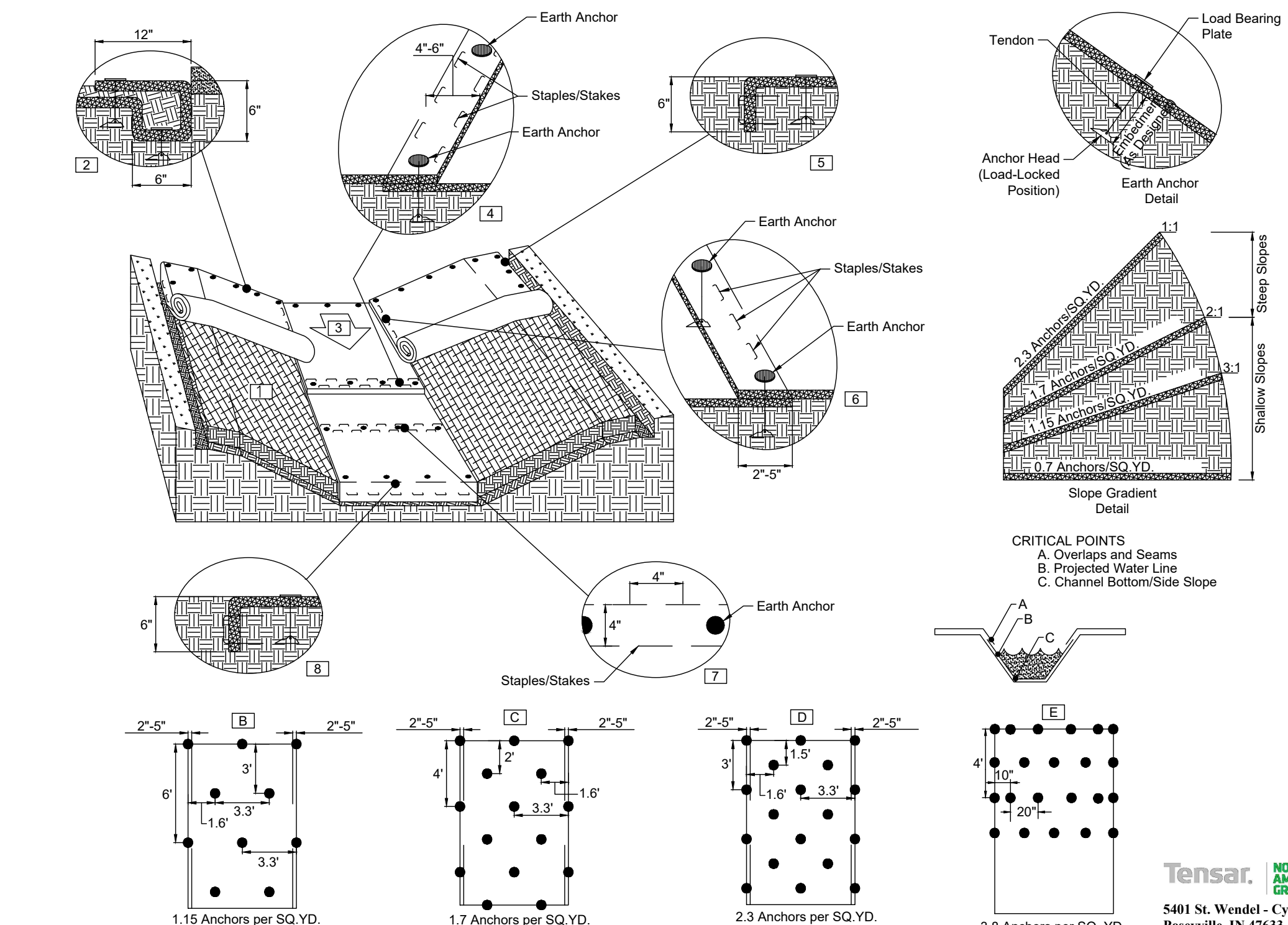
STORMWATER SWALE DETAIL

NO SCALE



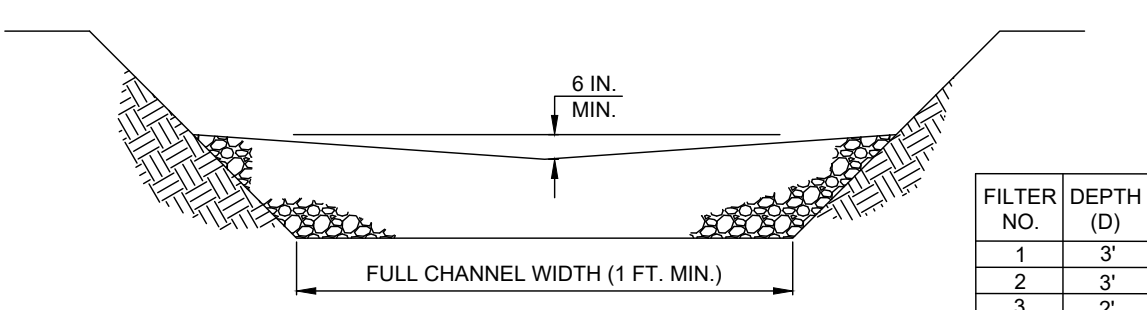
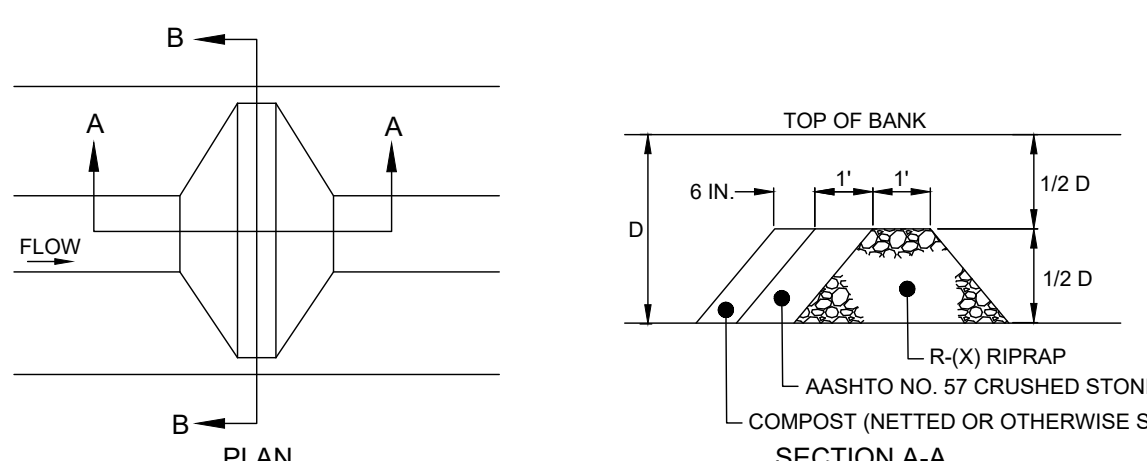
SINKHOLE REPAIR DETAIL-BEDROCK THROAT NOT ENCOUNTERED

NO SCALE



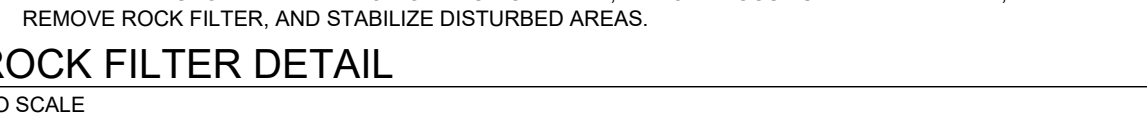
CHANNEL INSTALLATION EARTH ANCHOR DETAIL

NO SCALE



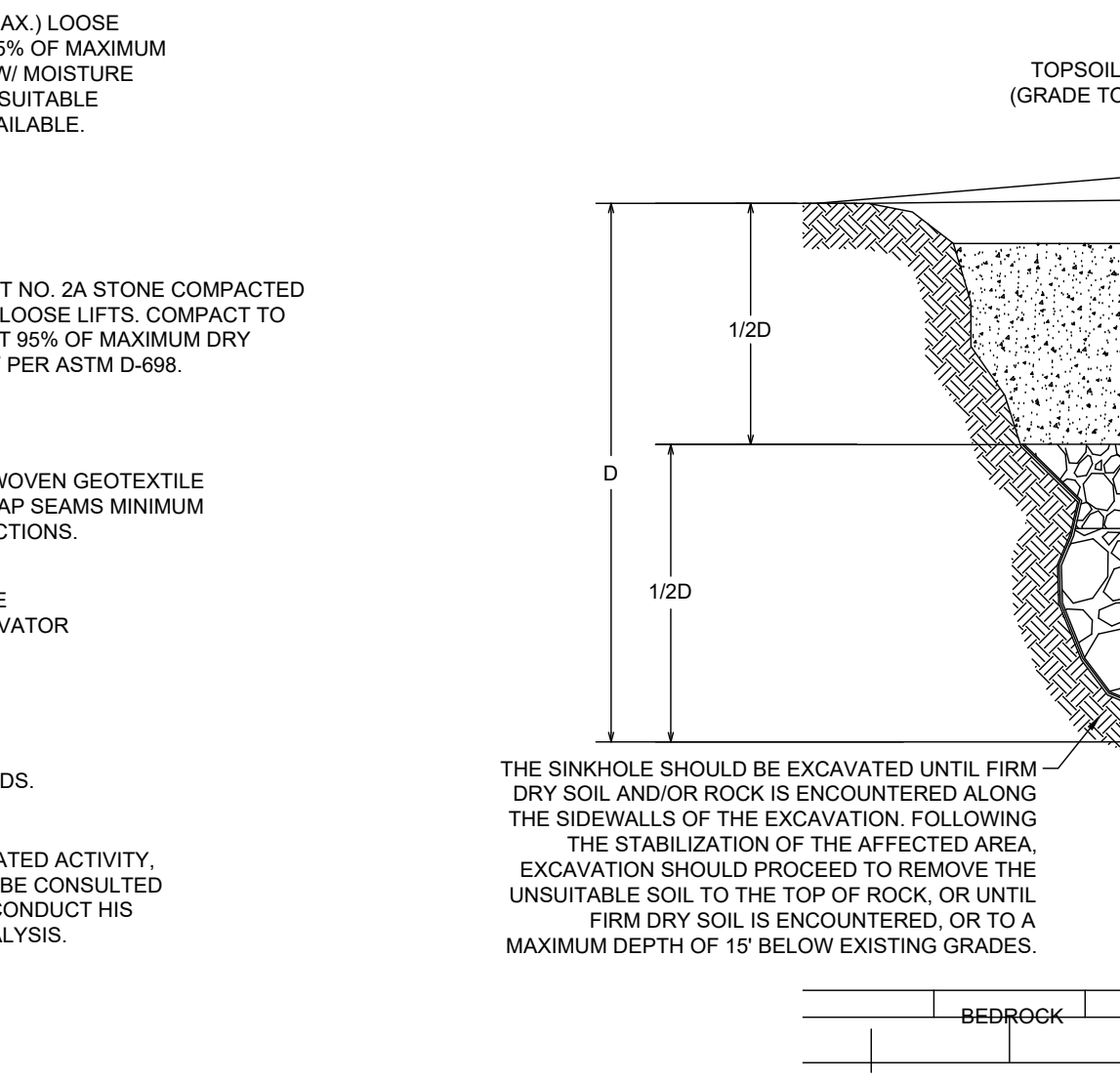
PUMPED WATER FILTER BAG DETAIL

NO SCALE



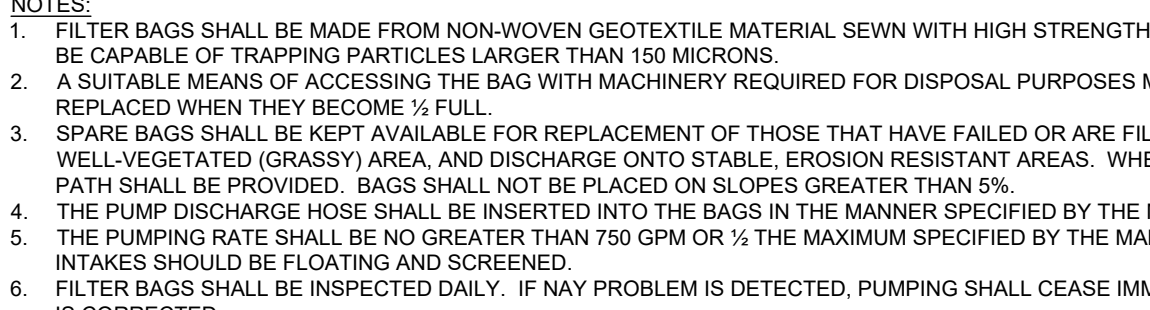
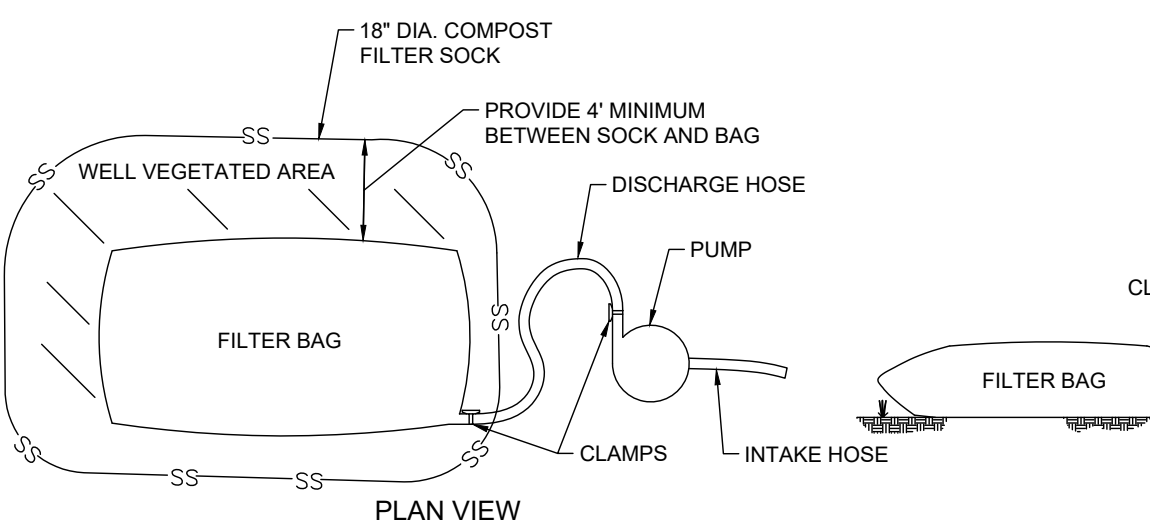
ROCK FILTER DETAIL

NO SCALE



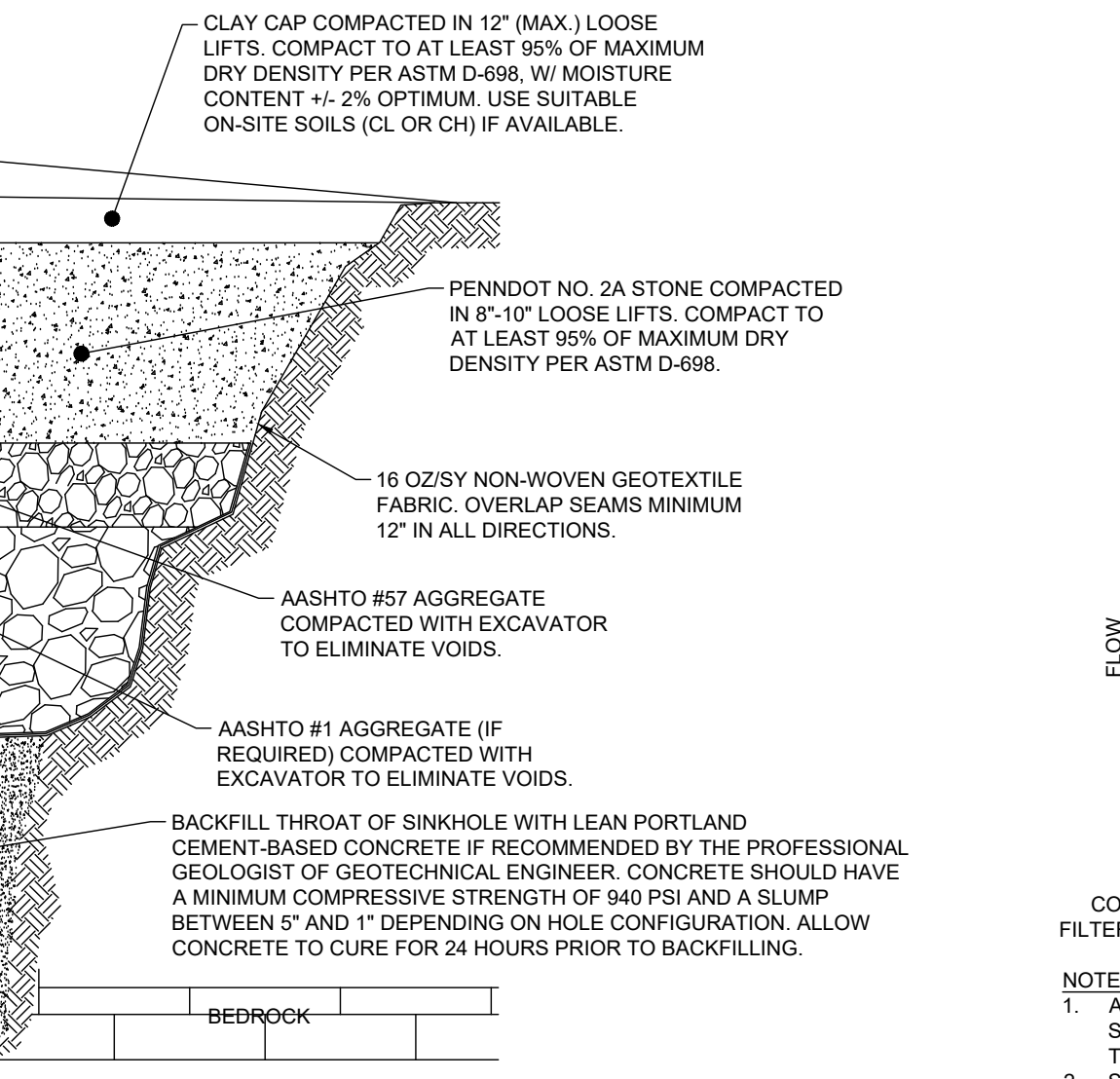
SINKHOLE REPAIR DETAIL-BEDROCK THROAT NOT ENCOUNTERED

NO SCALE



ROCK FILTER DETAIL

NO SCALE



TOPSOIL STOCKPILE

NO SCALE

- NOTES:**
- PREPARE SOIL BEFORE INSTALLING TRM, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
 - BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE TRM IN A 6" (15 CM) DEEP X 6" (15CM) WIDE TRENCH WITH APPROXIMATELY 12" (30 CM) OF TRM EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. USE SHOREMAX MAT AT THE CHANNEL/CULVERT OUTLET AS SUPPLEMENTAL SCOUR PROTECTION AS NEEDED. ANCHOR THE TRM WITH A ROW OF STAPLES AND ANCHORS APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF TRM BACK OVER SEED AND COMPACTED SOIL. SECURE TRM OVER SOIL WITH A ROW OF STAPLES AND ANCHORS SPACED APPROXIMATELY 12" (30 CM) ACROSS THE WIDTH OF THE TRM.
 - ROLL CENTER TRM IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. TRM WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL TRM MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES AND ANCHORS IN APPROPRIATE LOCATIONS AS SHOWN IN THE FASTENER PATTERN GUIDE.
 - PLACE CONSECUTIVE TRM END-OVER-END (SHINGLE STYLE) WITH A 4" - 6" (10 CM - 15 CM) OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4" (10 CM) APART AND 4" (10 CM) ON CENTER TO SECURE TRM.
 - FULL LENGTH EDGE OF TRM AT TOP OF SIDE SLOPES MUST BE ANCHORED WITH A ROW OF STAPLES AND ANCHORS APPROXIMATELY 12" (30 CM) APART IN A 6" (15 CM) DEEP X 6" (15CM) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
 - ADJACENT TRM MUST BE OVERLAPPED APPROXIMATELY 2' - 5' (6 CM - 12.5 CM) (DEPENDENT ON TRM TYPE) AND FASTENED.
 - IN HIGH FLOW CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT (9 M - 12 M) INTERVALS. USE A DOUBLE ROW OF STAPLES STAGGERED 4" (10 CM) APART AND 4" (10CM) ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL.
 - THE TERMINAL END OF THE TRM MUST BE ANCHORED WITH A ROW OF STAPLES AND ANCHORS APPROXIMATELY 12" (30 CM) APART IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

THE PERFORMANCE OF GROUND ANCHORING DEVICES IS HIGHLY DEPENDENT ON NUMEROUS SITE/PROJECT SPECIFIC VARIABLES. IT IS THE SOLE RESPONSIBILITY OF THE PROJECT ENGINEER AND/OR CONTRACTOR TO SELECT THE APPROPRIATE ANCHOR TYPE AND LENGTH. ANCHORING SHALL BE SELECTED TO HOLD THE MAT IN INTIMATE CONTACT WITH THE SOIL SUBGRADE AND RESIST PULLOUT IN ACCORDANCE WITH THE PROJECT'S DESIGN INTENT.

- ANCHOR PATTERN GUIDE CAN VARY BASED ON EARTH ANCHOR AND BLANKET SELECTION.
- IF DESIRED, THE SYSTEM CAN BE SOIL-FILLED AND SODDED AFTER TRM INSTALLATION. SOD SHOULD BE STAPLED/STAKED ACCORDING TO PLAN SPECIFICATIONS.

Tensar
 NORTH AMERICAN GREEN
 5401 St. Wendel - Cynthia Rd.
 Potosi, IN 47633
 PH: 800-772-2488
 www.tensarnagreen.com

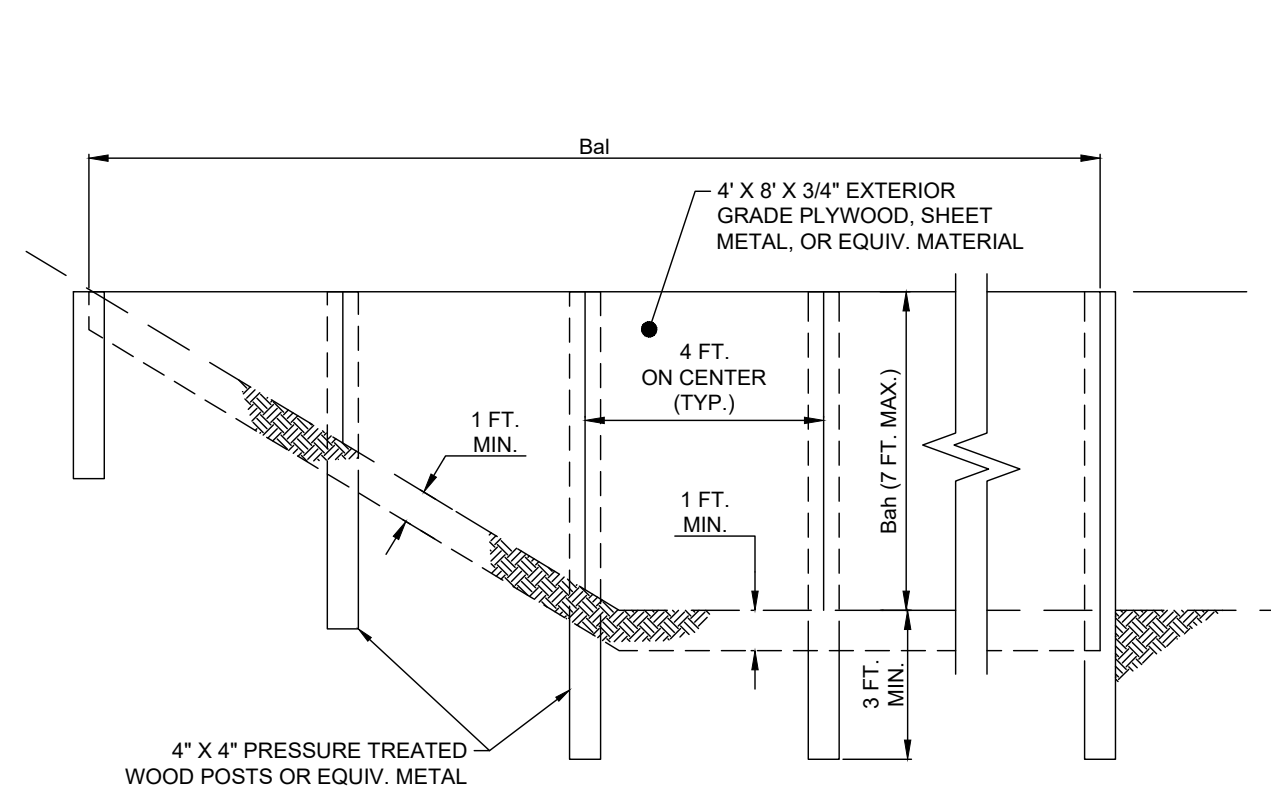
DATE	BY	REVISION
2/8/24	JMK	LCPD COMMENTS - 1/30/24
3/11/24	JMK/EJG	ARRO COMMENTS - 1/18/24
3/11/24	JMK	NLTRA COMMENTS - 1/16/24

DATE	BY	REVISION
2/8/24	JMK	LCPD COMMENTS - 1/30/24
3/11/24	JMK/EJG	ARRO COMMENTS - 1/18/24
3/11/24	JMK	NLTRA COMMENTS - 1/16/24

EROSION & SEDIMENT CONTROL PLAN DETAILS
 PRELIMINARY/FINAL SUBDIVISION & LAND DEVELOPMENT PLAN
 FLEXPACK USA, INC.
 North Lebanon Township
 Lebanon County, Pennsylvania

ESI
 Steadbeck Engineering & Surveying Inc.
 279 Lebanon, Pennsylvania 17042
 Phone: (717) 272-7110
 Fax: (717) 272-7348

FIELD CREW:	SS/TB
BASE MAP:	DY
DRAWN:	ABK/JMK
DESIGN:	ABK/EJG
CHECKED:	ABK
DATE:	3/12/24
PROJECT #	132-23-007

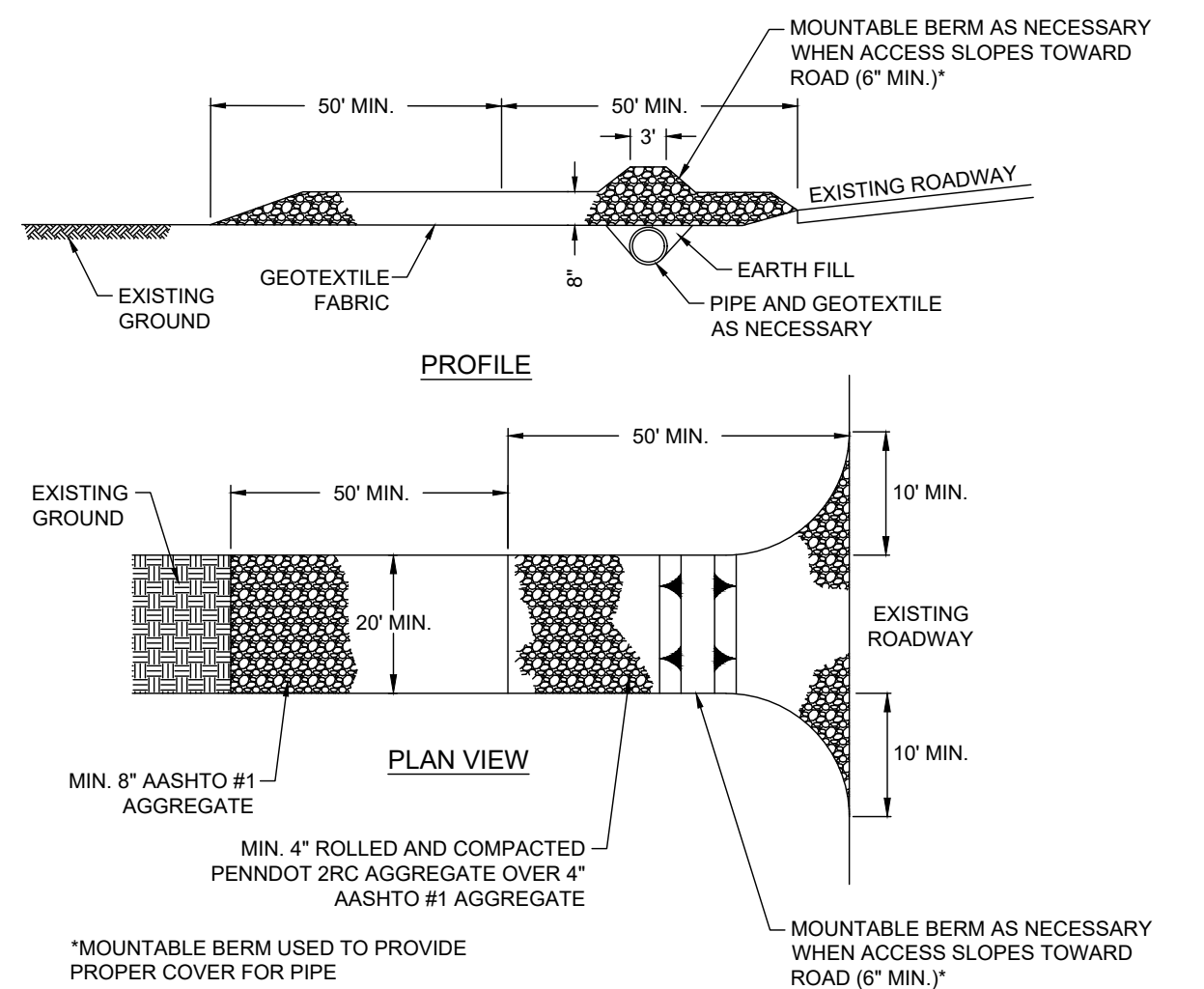


BASIN OR TRAP NO.	BAFFLE		RISE	BOTTOM
	LENGTH (FT)	HEIGHT (FT)	CREST ELEV. (FT)	BOTTOM ELEV. (FT)
SEDIMENT BASIN 1	250	2.50	447.50	445.00
SEDIMENT TRAP 1	100	1.50	452.50	451.00
SEDIMENT TRAP 2	140	6.00	453.00	447.00

- NOTES:
- SEE APPROPRIATE BASIN DETAIL, PROPER LOCATION AND ORIENTATION.
 - AN ACCEPTABLE ALTERNATIVE IS TO INSTALL THE SAME HEIGHT WITH SUPER SILT FENCE OR COMPOST FILTER SOCK AT THE BAFFLE LOCATION.
 - IN POOLS WITH DEPTHS EXCEEDING 7', THE TOP OF THE PLYWOOD BAFFLE DOES NOT NEED TO EXTEND TO THE TEMPORARY RISER CREST. SUPER SILT FENCE BAFFLES NEED NOT EXTEND TO TRAPELEVATION.
 - BAFFLES SHALL BE TIED INTO ONE SIDE OF THE BASIN UNLESS OTHERWISE SHOWN ON THE PLAN DRAWINGS.
 - SUBSTITUTION OF MATERIALS NOT SPECIFIED IN THIS DETAIL SHALL BE APPROVED BY THE DEPARTMENT OR THE LOCAL CONSERVATION DISTRICT BEFORE INSTALLATION.
 - DAMAGED OR WARPED BAFFLES SHALL BE REPLACED WITHIN 7 DAYS OF INSPECTIONS.
 - BAFFLES REQUIRING SUPPORT POSTS SHALL NOT BE INSTALLED IN BASINS REQUIRING IMPERVIOUS LINERS.

SEDIMENT BASIN/TRAP BAFFLE DETAIL

NO SCALE



- NOTES:
- REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.
 - RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.
 - MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY THE MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.
 - MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH ROCK, WASHING ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

ALTERNATE ROCK CONSTRUCTION ENTRANCE

NO SCALE

APPLICATION	SPECIES	% PURE LIVE SEED	APPLICATION RATE	FERTILIZER (LBS/AC)	LIMING RATE	FINAL SEEDING DATE
NURSE CROP	ANNUAL RYEGRASS	98%	64 LBS/AC	50-50-50 N-P205-K20	2000 LBS / AC	OCT. 15
PERMANENT	BIRDSFOOT TREFOLI PLUS CROWN VETCH PLUS TALL FESCUE	98%	P.L.S. IN LBS/AC 10			
		98%	20	100-200-200 N-P205-K20	2000 LBS / AC	MARCH 15
		98%	30			OCTOBER 15

ALL SEEDED AREAS SHALL BE MULCHED WITH HAY OR STRAW APPLIED AT A RATE OF 3 TONS/ACRE. MULCH TO BE ANCHORED WITH WOOD CELLULOSE FIBER AT A RATE OF 750 LBS/ACRE.

STEEP SLOPE SEEDING SPECIFICATIONS

NO SCALE

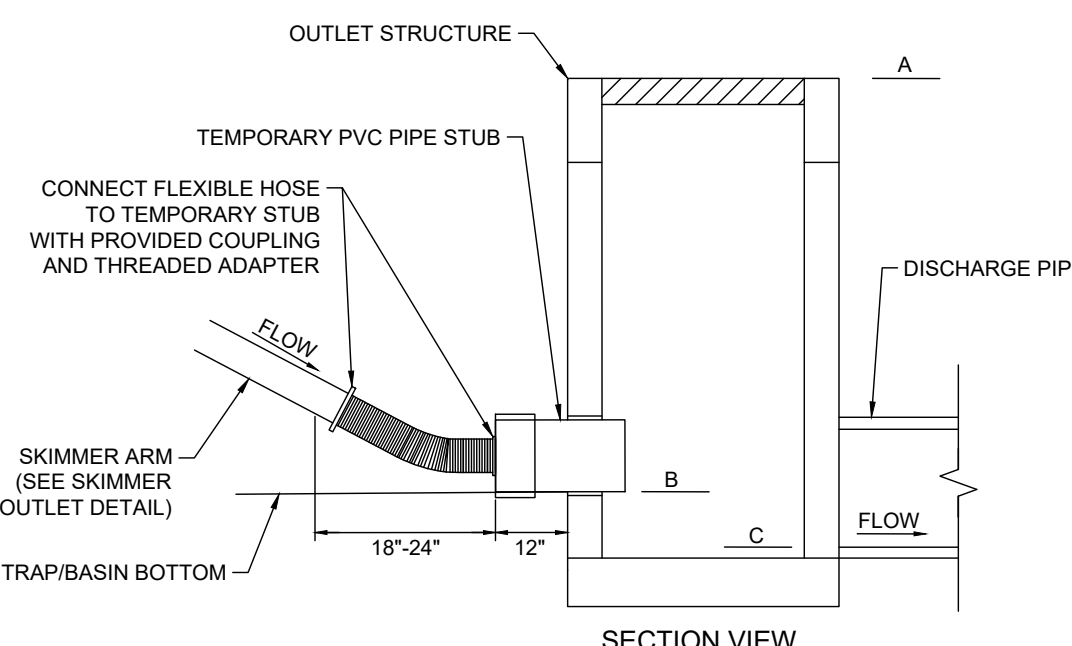
APPLICATION	SPECIES	APPLICATION RATE (P.L.S. IN LBS/AC)	FERTILIZER (LBS/AC)	LIMING RATE	FINAL SEEDING DATE
TEMPORARY	ANNUAL RYE	174	50-50-50 N-P205-K20	2000 LBS / AC	OCTOBER 30
PERMANENT	FINE FESCUES	60			
	KENTUCKY BLUEGRASS	90	100-200-200 N-P205-K20	12000 LBS / AC	AUGUST 30
	PERENNIAL RYEGRASS	25			OCTOBER 30

- NOTES:
- PLS IS PURE LIVE SEED. PLS IS THE PRODUCT OF THE PERCENTAGE OF PURE SEED TIMES PERCENTAGE GERMINATION DIVIDED BY 100. TO SECURE THE ACTUAL PLANTING RATE, DIVIDE THE POUNDS PLS BY THE PLS PERCENTAGE AS SHOWN ON THE SEED TAG OR AS PREVIOUSLY DISCUSSED. THUS, IF THE PLS CONTENT OF FINE FESCUES IS 50%, DIVIDE 7 PLS BY 0.50 TO OBTAIN 140 LBS OF SEED PER ACRE.
 - LIMING RATE SHALL BE IN ACCORDANCE WITH SOIL TEST RESULTS. APPLY 6 TONS OF AGRICULTURAL GRADE LIMESTONE PER ACRE OF LAND DISTURBED BY DIVERSIONS AND DAMS.
 - ALL SEEDED AREAS SHALL BE MULCHED WITH HAY OR STRAW APPLIED AT A RATE OF 3 TONS PER ACRE. MULCH TO BE ANCHORED WITH WOOD CELLULOSE FIBER AT A RATE OF 750 LBS PER ACRE.
 - ALL DIVERSIONS, CHANNELS, SED TRAPS, AND STOCKPILES MUST BE STABILIZED IMMEDIATELY.

SEEDING & FERTILIZER SPECIFICATIONS

NO SCALE

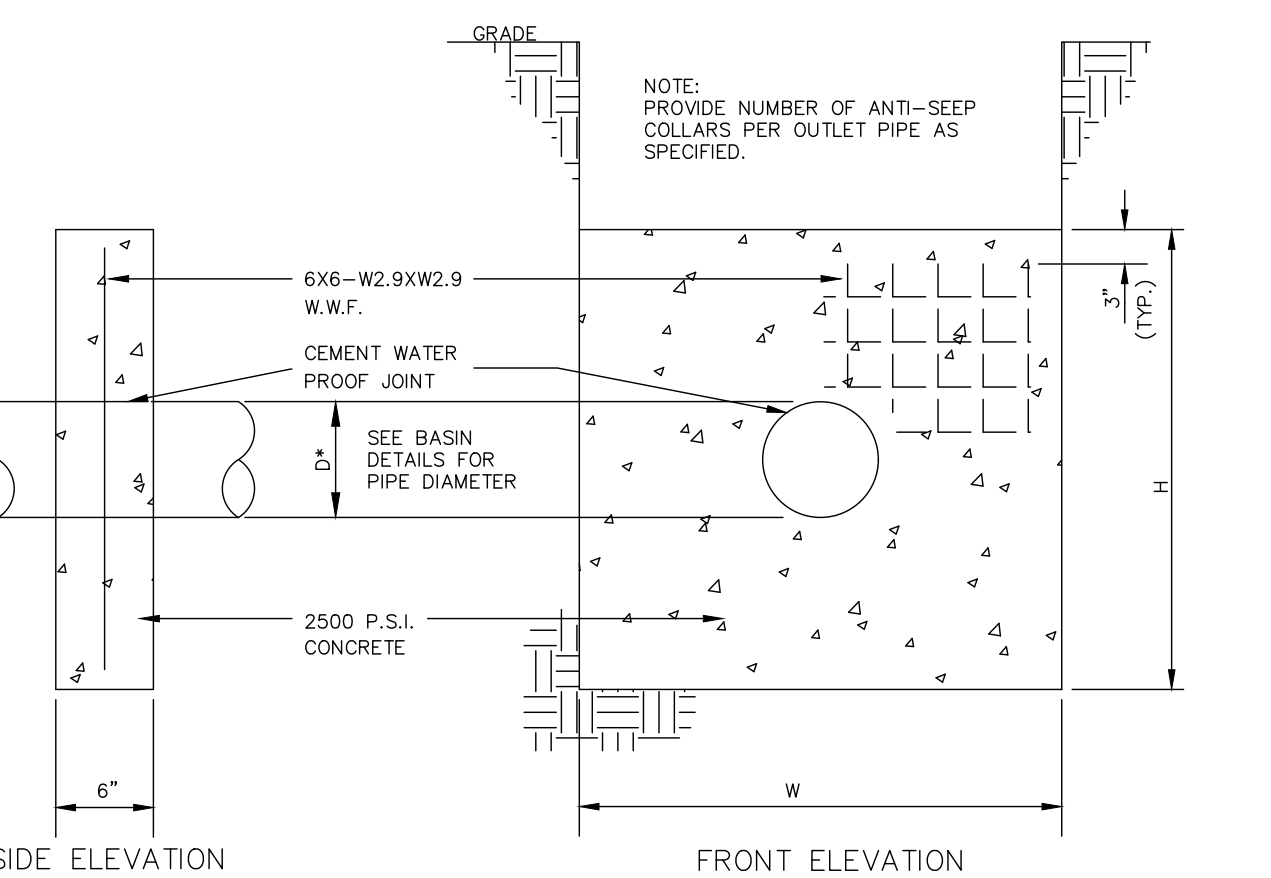
SEDIMENT BASIN/TRAP OUTLET STRUCTURE					
BASIN /TRAP	BASIN /TRAP BOTTOM ELEV.	ELEV A	ELEV B	TEMPORARY STUB PIPE DIA. (IN.)	DISCHARGE PIPE DIA. (IN.)
BASIN 1	445.00	447.50	445.00	6.0	444.50
TRAP 1	451.00	452.50	451.00	4.0	450.00
TRAP 2	447.00	453.00	447.00	4.0	447.00



- NOTES:
- ALL JOINTS SHALL BE WATERTIGHT.
 - TEMPORARY STUB PIPE PENETRATION TO BE FULLY GROUTED OR SEALED WITH A STAINLESS STEEL PLATE DURING CONVERSION TO PERMANENT STORMWATER BASIN.

SKIMMER ATTACHMENT - SEDIMENT BASIN/TRAP OUTLET STRUCTURE DETAIL

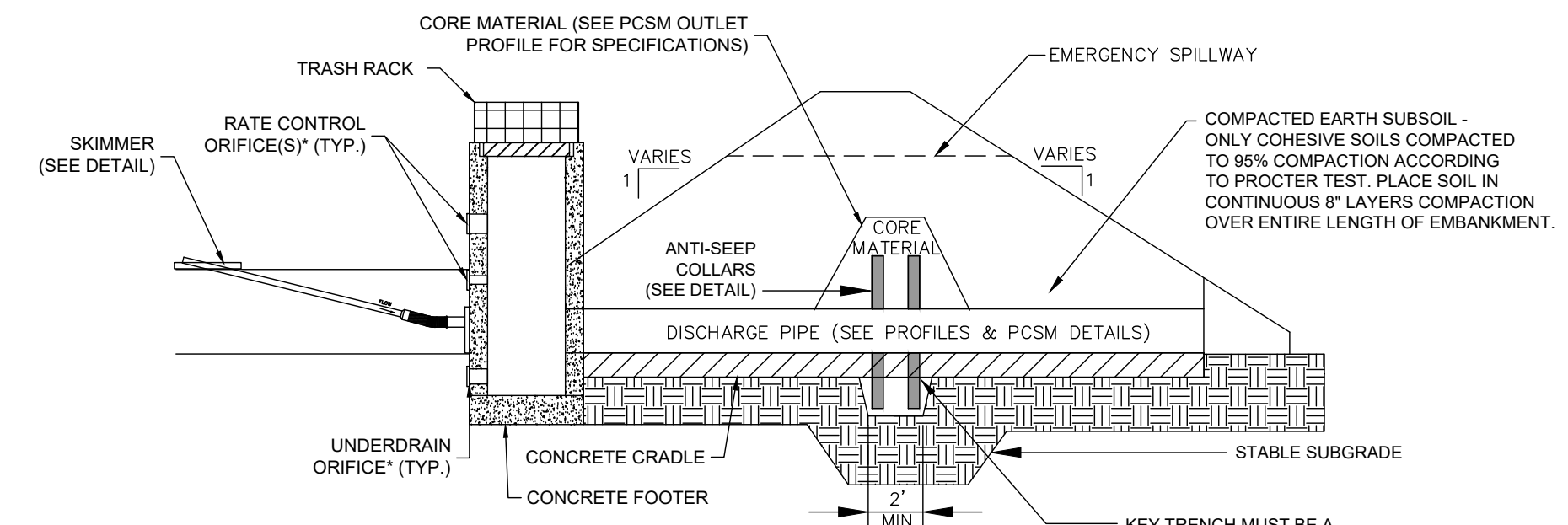
NO SCALE



BASIN	W	H	DIA.	# OF COLLARS
IB1	5.45'	4.78'	18"	2
IB2	5.32'	4.65'	18"	2
DB1	11.31'	10.64'	18"	1

CONCRETE ANTI-SEEP COLLAR DETAIL

NO SCALE

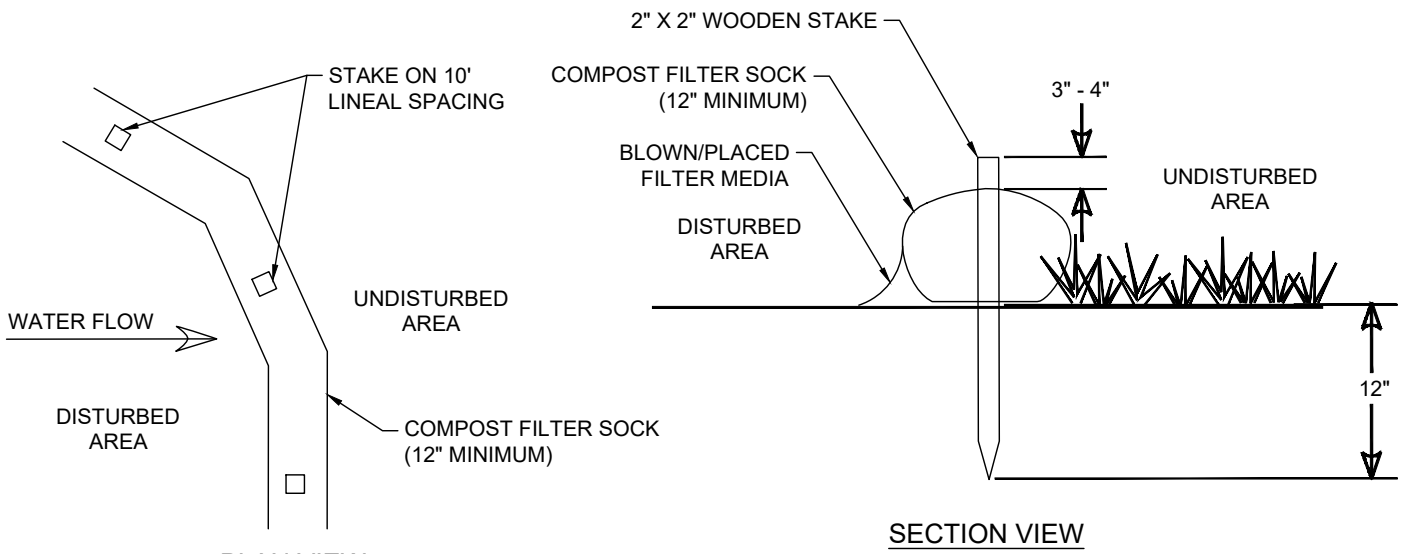


- *THE UNDERDRAIN ORIFICE AND ALL RATE CONTROL ORIFICES IN THE OUTLET STRUCTURE SHALL BE SEALED WITH A STAINLESS STEEL PLATE DURING THE E&S PHASE OF CONSTRUCTION. EDGES OF THE PLATE SHALL BE CALCULATED, GROUTED, OR OTHERWISE SEALED FOR WATERTIGHTNESS.

SEDIMENT BASIN/TRAP DESIGN CHART											
BASIN/TRAP NO.	BASIN BOTTOM (FT)	INVERT OF SKIMMER ARM (FT)	TOP OF GRATE (FT)	SPILLWAY ELEVATION (FT)	SIZE OF DISCHARGE PIPE (IN)	(UPSTREAM) INV OF DISCHARGE PIPE (FT)	(DOWNSTREAM) INV OF DISCHARGE PIPE (FT)	PIPE LENGTH (FT)	HEIGHT OF RISER EXT. (FT)	SKIMMER	SILT SOCK
BASIN 1	445.00	445.00	447.50	448.50	18	444.50	443.90	144	--	YES	NO
TRAP 1	451.00	451.00	452.50	453.25	18	450.00	449.00	36	--	YES	NO
TRAP 2	447.00	447.00	453.00	454.00	18	447.00	446.40	23	--	YES	NO

SEDIMENT BASIN/TRAP W/ SKIMMER DETAIL

NO SCALE

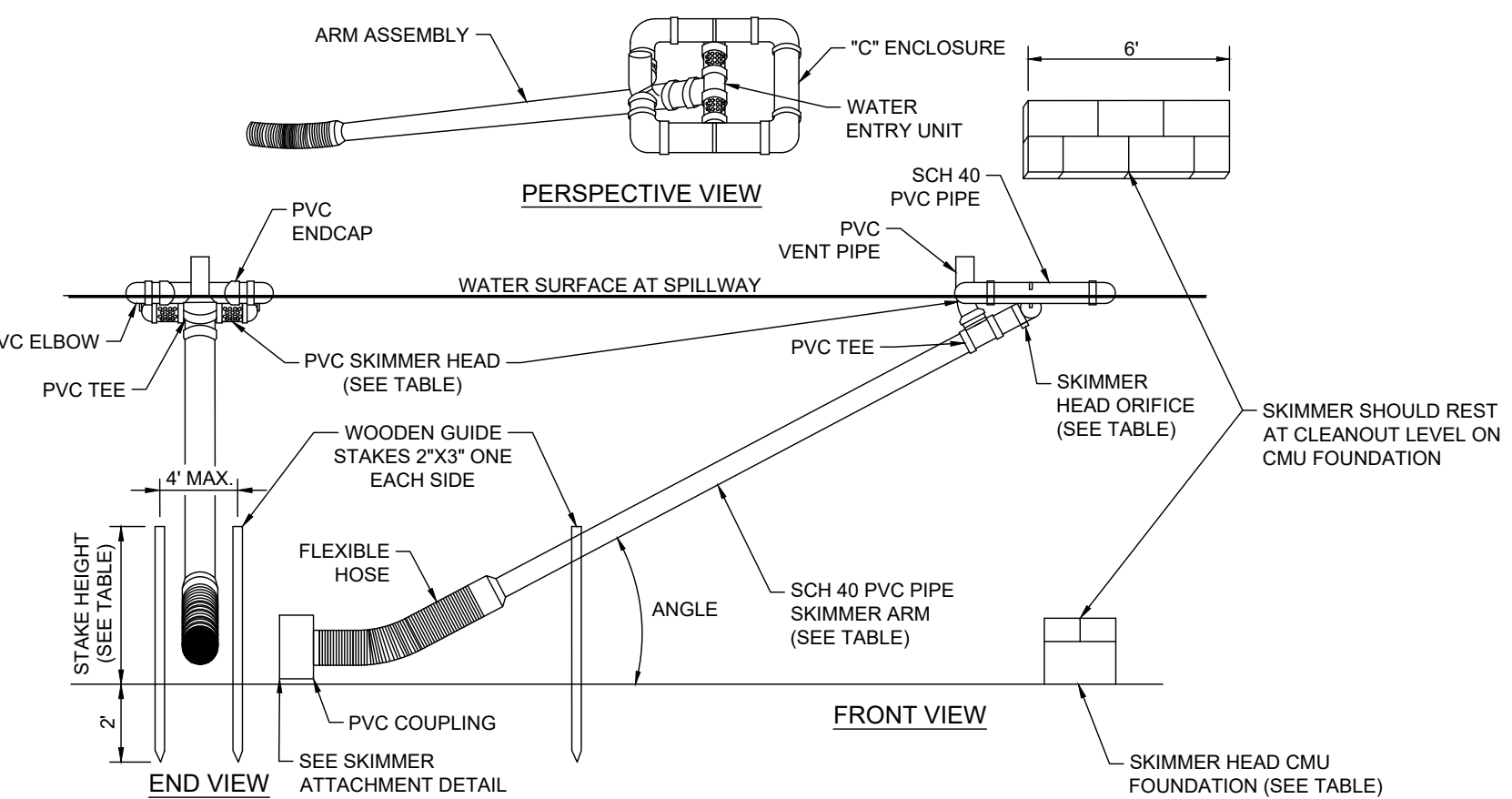


- INSTALLATION NOTES:
- ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
 - FILTER SOCK COMPOST/SOIL/ROCK/SEED FILL TO MEET APPLICATION REQUIREMENTS.
 - FILTER SOCK DEPICTED IS FOR MINIMUM SLOPES. GREATER SLOPES MAY REQUIRE LARGER SOCKS PER THE LEBANON COUNTY CONSERVATION DISTRICT. ALTERNATIVELY, A NEW FILTER SOCK CAN BE PLACED ON TOP OF AND SLIGHTLY BEHIND THE ORIGINAL ONE CREATING MORE SEDIMENT STORAGE CAPACITY WITHOUT SOIL DISTURBANCE.
 - COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.

- MAINTENANCE NOTES:
- THE CONTRACTOR SHALL MAINTAIN THE FILTER SOCK IN A FUNCTIONAL CONDITION AT ALL TIMES AND IT SHALL BE ROUTINELY INSPECTED.
 - IF THE FILTER SOCK HAS BEEN DAMAGED, IT SHALL BE REPAIRED, OR REPLACED IF BEYOND REPAIR.
 - THE CONTRACTOR SHALL REMOVE SEDIMENT AT THE BASE OF THE UPSLOPE SIDE OF THE FILTER SOCK WHEN ACCUMULATION HAS REACHED 1/2 OF THE EFFECTIVE HEIGHT OF THE FILTER SOCK, OR AS DIRECTED BY THE LEBANON COUNTY CONSERVATION DISTRICT.
 - FILTER SOCK SHALL BE MAINTAINED UNTIL DISTURBED AREA ABOVE THE DEVICE HAS BEEN PERMANENTLY STABILIZED AND CONSTRUCTION ACTIVITY HAS CEASED.
 - THE FILTERMEDIA WILL BE DISPERSED ON SITE ONCE DISTURBED AREA HAS BEEN PERMANENTLY STABILIZED. CONSTRUCTION ACTIVITY HAS CEASED, OR AS DETERMINED BY THE LEBANON COUNTY CONSERVATION DISTRICT.
 - FOR LONG-TERM SEDIMENT AND POLLUTION CONTROL APPLICATION, FILTER SOCK CAN BE SEEDED AT THE TIME OF INSTALLATION TO CREATE A VEGETATIVE FILTERING SYSTEM FOR PROLONGED AND INCREASED FILTRATION OF SEDIMENT AND SOLUBLE POLLUTANTS (CONTAINED VEGETATIVE FILTER STRIP). THE APPROPRIATE SEED MIX SHALL BE DETERMINED BY THE DESIGN PROFESSIONAL.

COMPOST FILTER SOCK DETAIL

NO SCALE



BASIN/TRAP NO.	SKIMMER ARM		SKIMMER HEAD		SKIMMER HEAD CMU			WOODEN STAKES
	LENGTH (FT)	PIPE DIA. (IN.)	PIPE DIA. (IN.)	ORIFICE DIA. (IN.)	BOTTOM	TOP ELEV.	HEIGHT	HEIGHT
BASIN 1	4	4	5	4.5	445.00	446.00	1	3'
TRAP 1	3	1.5	2	1.5	451.00	452.00	1	2'
TRAP 2	7	2	3	2.8	447.00	450.00	3	7'

- SKIMMER SHALL BE MANUFACTURED BY THE FOLLOWING:
- J.W. FAIRCLOTH & SON, INC. PO BOX 789 HILLSBOROUGH, NORTH CAROLINA PHONE: 919-732-1244 FAX: 919-732-1266
 - OR APPROVED EQUAL.

- NOTES:
- SKIMMER SHALL BE CONSTRUCTED WITH SCHEDULE 40 PVC PIPE.
 - ALL JOINTS SHALL BE WATERTIGHT.
 - ANGLE SHOULD BE 45° OR LESS WHEN SKIMMER HEAD AT MAXIMUM ELEVATION.

E&S SKIMMER OUTLET DETAIL

NO SCALE

EROSION & SEDIMENT CONTROL PLAN DETAILS

PRELIMINARY/FINAL SUBDIVISION & LAND DEVELOPMENT PLAN

FLEXO-PACK USA, INC.
Lebanon Township, Pennsylvania

ES&S
Steinbeck Engineering & Surveying, Inc.
279 Lebanon, Pennsylvania 17042
Phone: (717) 272-7110
Fax: (717) 272-7348

FIELD CREW: SS/TB
BASE MAP: DY
DRAWN: ABK/JMK
DESIGN: ABK/EJG
CHECKED: ABK
DATE: 3/12/24

PROJECT #132-23-007

