

PROPERTY LINE _____
 LOT LINE _____
 SETBACK LINE _____
 EASEMENT LINE _____
 RIGHT-OF-WAY LINE _____
 CENTER LINE _____

$$\begin{aligned} \Delta'' &= 008^{\circ}02'48'' \\ R &= 1198.13' & L &= 168.27' \\ CB &= S42^{\circ}14'10''E \\ CL &= 168.13' \end{aligned}$$

PREVIOUSLY DEDICATED
RIGHT-OF-WAY, 20'
INSTURMENT NO. 639928.

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**PENNSYLVANIA LAW REQUIRES
3 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND 10 WORKING
DAYS IN DESIGN STAGE - STOP CALL.**

POCE SERIAL NUMBER 202221161213

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EST. 1967

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BOUNDARY PLAN

PRELIMINARY / FINAL LAND DEVELOPMENT PLANS

44 DENVER ROAD, DENVER, PA 17517
EAST COCALICO TOWNSHIP. LANCASTER COUNTY. PENNSYLVANIA

RELEASES:

No.	DATE	DESCRIPTION OF CHANGES
1	01/05/2023	NPDES SUBMISSION
2	02/16/2023	TOWNSHIP COMMENTS

DATE:	12/15/2022
PROJECT #:	210580
DRAWN BY:	MAIL
PM:	DAM
QC:	SBS

DRAWING NO.

C-004.1



BOUNDARY PLAN LEGEND	
PROPERTY LINE	_____
LOT LINE	_____
SETBACK LINE	_____
EASEMENT LINE	_____
RIGHT-OF-WAY LINE	_____
CENTER LINE	_____



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PA 080156420000
SUBD PLAN REF. J-112-037

PA 080156420000
SUBD PLAN REF. J-112-037

PA 080156420000
SUBD PLAN REF. J-112-037

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PA 080156420000
SUBD PLAN REF. J-112-037

PA 080156420000
SUBD PLAN REF. J-112-037

PA 080156420000
SUBD PLAN REF. J-112-037

BOUNDARY PLAN

PRELIMINARY / FINAL LAND DEVELOPMENT PLANS

ROECHLING MEDICAL

LANCASTER - EXPANSION

44 DENVER ROAD, DENVER, PA 17527
EAST COCALICO TOWNSHIP, LANCASTER COUNTY, PENNSYLVANIA

PA 080156420000
SUBD PLAN REF. J-112-037

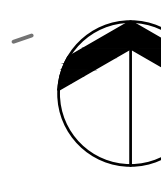
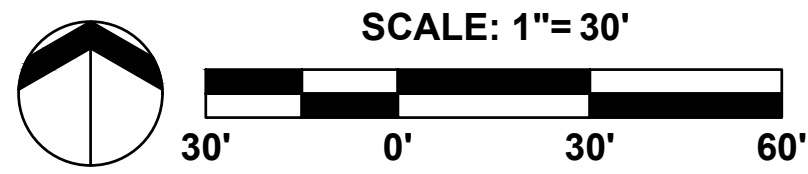
PA 080156420000
SUBD PLAN REF. J-112-037

PA 080156420000
SUBD PLAN REF. J-112-037

RELEASES:		
No.	DATE	DESCRIPTION
1	01/05/2023	NPDES SUBMISSION
2	02/16/2023	TOWNSHIP COMMENTS

DATE:	2/15/2023
PROJECT #:	210560
DRAWN BY:	MAIL
PN:	DAM
PC:	SBS

DRAWING NO. **C-004.2**



SCALE: 1"= 30'

0' 30' 60'

DATE: 2/15/2023

PROJECT # 210560

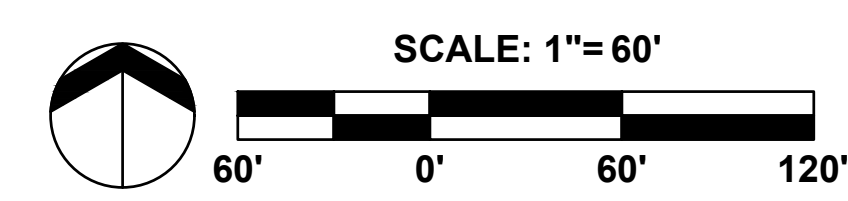
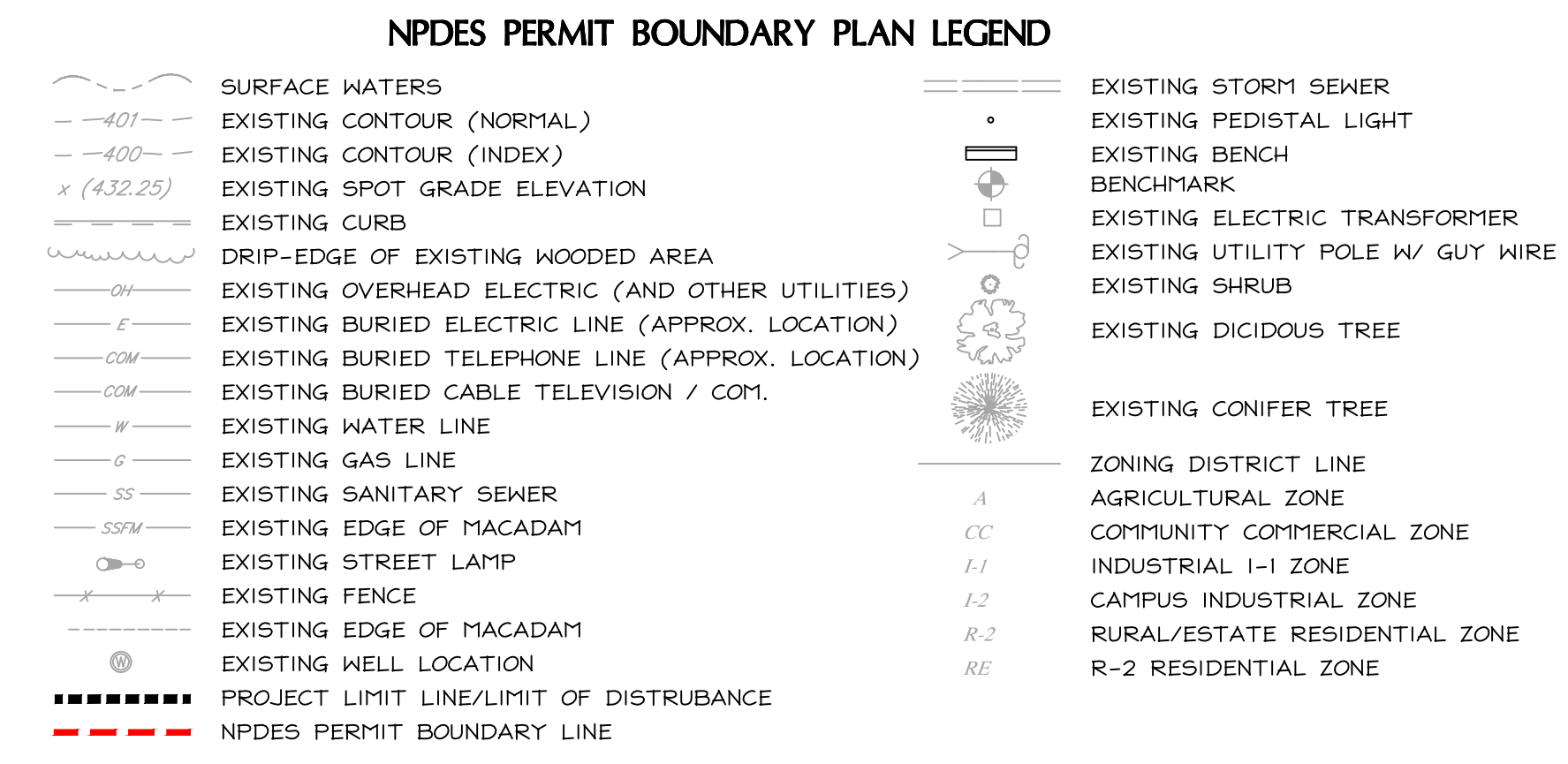
DRAWN BY: MAIL

PN: DAM

PC: SBS

DRAWING NO. C-004.2

FILE: P:\2021\210560 ROECHLING LABS EXPANSION\CADD\PROJECT CIVIL\VD\SUPP-PLAN-BOUNDARY.DWG PLOTTED: 8/25/2023 8:16 AM

[illegible]



EXISTING CONDITIONS PLAN LEGEND

EXISTING CONTOUR	----	294
EXISTING INDEX CONTOUR	----	295
EXISTING SPOT ELEVATION		+285.35
EXISTING TREE/ SHRUB		
EXISTING TREE LINE		
EXISTING WETLANDS LIMIT	====	II
EXISTING INLET		
EXISTING STORM WATER LINE	----	ST
EXISTING SANITARY SEWER LINE	----	SS
EXISTING WATER LINE	----	W
EXISTING ELECTRIC LINE	----	E
EXISTING TELEPHONE LINE	----	T
EXISTING GAS LINE	----	G
EXISTING FENCE	----	X X
PROJECT LIMIT LINE/ LIMIT OF DISTURBANCE		

SITE SOILS		
SOIL SYMBOLS	SOIL NAME	HSG
BuB	Buck silt loam	B
RaB	Reading silt loam	C
UaC	Ungers loam	B

TEST PIT ID	ELEVATIONS OF INFILTRATION	MEASURED RATE
TP-1	436.5	2.16/3.12
TP-2	NO TEST CONDUCTED	
TP-3	435.5	0.24/0.24

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EXISTING CONDITIONS PLAN
PRELIMINARY / FINAL LAND DEVELOPMENT PLANS

**ROECHLING MEDICAL
LANCASTER - EXPANSION**

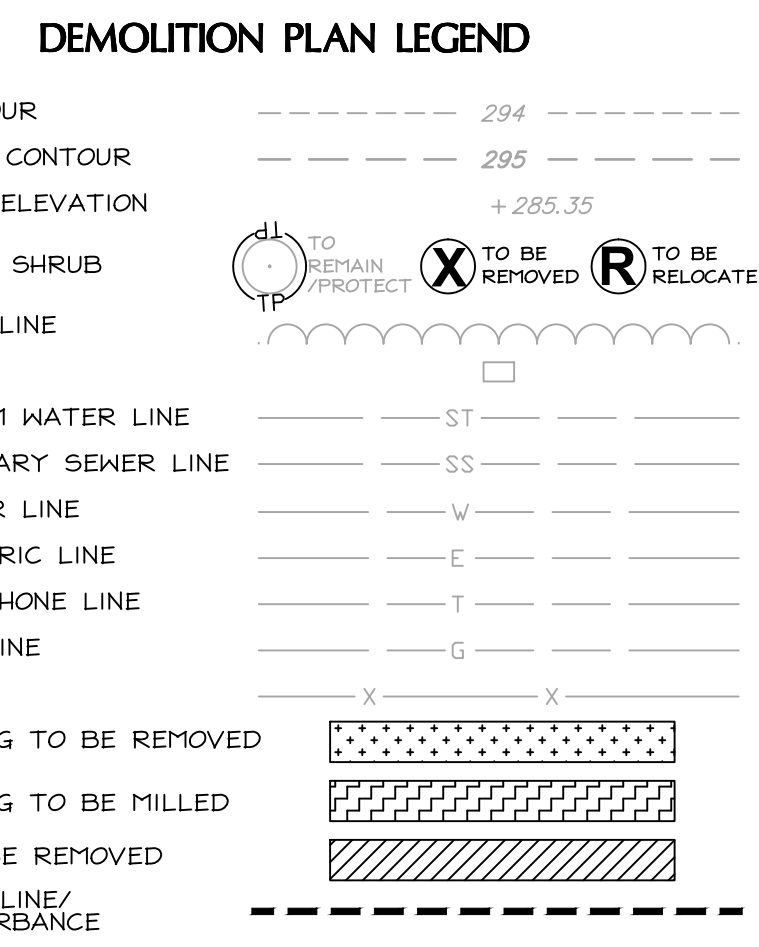
44 DENVER ROAD, DENVER, PA 17517
EAST COCALCO, TOWNSHIP, LANCASTER COUNTY, PENNSYLVANIA

RELEASES:		
No.	DATE	DESCRIPTION OF CHANGES
1	01/05/2023	NPDES SUBMISSION
2	02/16/2023	TOWNSHIP COMMENTS

DATE:	12/15/2022
PROJECT #:	210580
DRAWN BY:	MAIL
PM:	DAM
QC:	SBS

DRAWING NO.

C-101



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DEMOLITION PLAN

PRELIMINARY / FINAL LAND DEVELOPMENT PLANS

**ROECHLING MEDICAL
LANCASTER - EXPANSION**

44 DENVER ROAD, DENVER, PA 17517

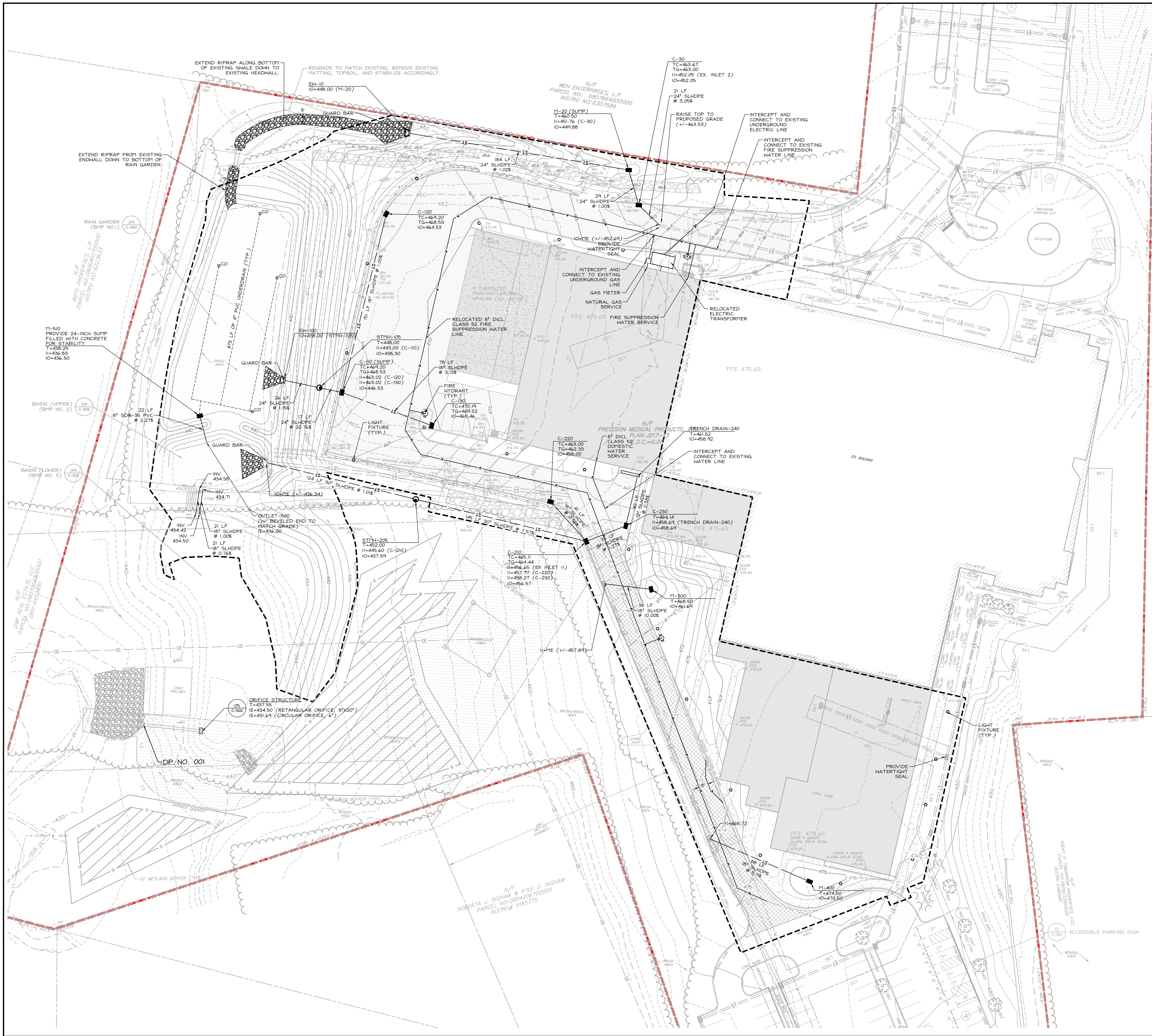
RELEASES:		
No.	DATE	DESCRIPTION OF CHANGES
1	01/06/2023	NPOES SUBMISSION
2	02/16/2023	TOWNSHIP COMMENTS

DATE:	12/15/2022
PROJECT #:	210580
DRAWN BY:	MAL
PM:	DAM
PIC:	

C-102



C-104



UTILITY PLAN LEGEND	
EXISTING CONTOUR	---
EXISTING INDEX CONTOUR	---
EXISTING SPOT ELEVATION	---
PROPOSED CONTOUR	---
PROPOSED INDEX CONTOUR	---
PROPOSED SPOT ELEVATION	---
PROPERTY LINE	---
SETBACK LINE	---
EASEMENT LINE	---
RIGHT-OF-WAY LINE	---
EXISTING TREE LINE	---
EXISTING INLET	---
PROPOSED INLETS	---
PROPOSED MANHOLE	---
PROPOSED HEADWALL/ ENDWALL	---
EXISTING STORM WATER LINE	---
EXISTING SANITARY SEWER LINE	---
EXISTING WATER LINE	---
EXISTING GAS LINE	---
EXISTING COMMUNICATIONS LINE	---
EXISTING ELECTRIC LINE	---
PROPOSED STORM WATER LINE	---
PROPOSED SANITARY SEWER LINE	---
PROPOSED WATER LINE	---
PROPOSED GAS LINE	---
PROPOSED COMMUNICATIONS LINE	---
PROPOSED ELECTRIC LINE	---
PROJECT LIMIT LINE/ LIMIT OF DISTURBANCE	---
NPDES PERMIT BOUNDARY LINE	---
LIGHT STRUCTURE	---

- NOTES:
- ALL PIPE JOINTS AND CONNECTIONS SHALL BE WATERTIGHT.
 - HEADWALLS/ENDWALLS, MANHOLES, INLET TOPS, GRATES, AND FRAMES, AND INLET BOXES, AS APPLICABLE (UNLESS OTHERWISE DETAILED) ARE TO BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF PENNDOT PUBLICATION 721, STANDARDS FOR ROADWAY CONSTRUCTION.
 - CLARIFICATIONS/EXCEPTIONS:
 - PROVIDE CAST-IN-PLACE APRON.
 - CAST IN PLACE APRON TO BE SLOPED TO PIPE ON HEADWALL AND AWAY FROM PIPE ON ENDWALL.
 - THE ANNULAR SPACE AROUND THE PIPE IS TO BE GROUTED IN THE FIELD.
 - CLARIFICATIONS/EXCEPTIONS:
 - MANHOLE COVER TEXT AS REQUIRED BY MUNICIPALITY OR AUTHORITY HAVING JURISDICTION.
 - CLARIFICATIONS/EXCEPTIONS:
 - INLET TOPS, GRATES, AND FRAME - RC-451
 - CLARIFICATIONS/EXCEPTIONS:
 - PROVIDE BICYCLE SAFE GRATE.
 - CLARIFICATIONS/EXCEPTIONS:
 - VERIFY THAT ALL STORM STRUCTURES ARE ADEQUATELY SIZED TO PROPERLY RECEIVE PIPES PRIOR TO SHOP DRAWING SUBMITTALS.
 - CORNER INTERSECTIONS ARE PROHIBITED.
 - PIPING TO BE FLUSH WITH INSIDE WALL AND SEALED WITH MORTAR.
 - PROVIDE 2" DIAMETER WEEP HOLES IN THE "SHORT" WALLS, SET AT SUBGRADE ELEVATION.
 - ALL EXISTING AND PROPOSED FIRE HYDRANTS ON THE SITE AND ALONG ADJACENT ROAD FRONTAGE SHALL BE PROVIDED WITH STORZ FITTINGS.
 - ALL UTILITY STRUCTURES SHALL BE PLACED ON COMPACTED STONE.
 - ALL EXISTING AND PROPOSED FIRE HYDRANTS ON THE SITE AND ALONG ADJACENT ROAD FRONTAGE SHALL BE PROVIDED WITH STORZ FITTINGS.
 - DETAIL ON SHEET C-100.
 - ALL INLETS IDENTIFIED AS HAVING (SUMP) SHALL HAVE A 24" SUMP. (SEE DETAIL ON SHEET C-100).
 - ALL STORMWATER GRADE ADJUSTMENT COLLARS SHALL BE PRECAST OR POURED IN PLACE CONCRETE (NO BRICK TO BE USED).
 - THE MOUNTING HEIGHT FOR LIGHT FIXTURES SHALL NOT EXCEED 20'.

Specification sheet

WATERFRONT

Project name:

Project type:

Notes:

Design description:

Product description:

Variant options:

1/3

1/3

Product name:

Product type:

Notes:

Design description:

Product description:

Variant options:

1/3

Specification sheet

NYHAVN PARK POST

Project name:

Product type:

Notes:

Design description:

Product description:

Variant options:

1/3

1/3

Product name:

Product type:

Notes:

Design description:

Product description:

Variant options:

1/3

Specification sheet

PEDESTRIAN ILLUMINATED BOLLARD

Project name:

Product type:

Notes:

Design description:

Product description:

Variant options:

1/3

1/3

Product name:

Product type:

Notes:

Design description:

Product description:

Variant options:

1/3

811

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TOWN OF LANCASTER
CONTRACT NUMBER: 2023-10-13
PROJECT NUMBER: 2023-10-13

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LANCASTER, PA 17303
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UTILITY PLAN

PRELIMINARY / FINAL LAND DEVELOPMENT PLANS

ROECHLING MEDICAL

LANCASTER - EXPANSION

44 DENVER ROAD, DENVER, PA 17517
EAST COCALICO TOWNSHIP, LANCASTER COUNTY, PENNSYLVANIA

RELEASES:

No.	DATE	DESCRIPTION
1	01/05/2023	NPDES SUBMISSION
2	02/16/2023	TOWNSHIP COMMENTS

DATE: 12/15/2022

PROJECT #: 210580

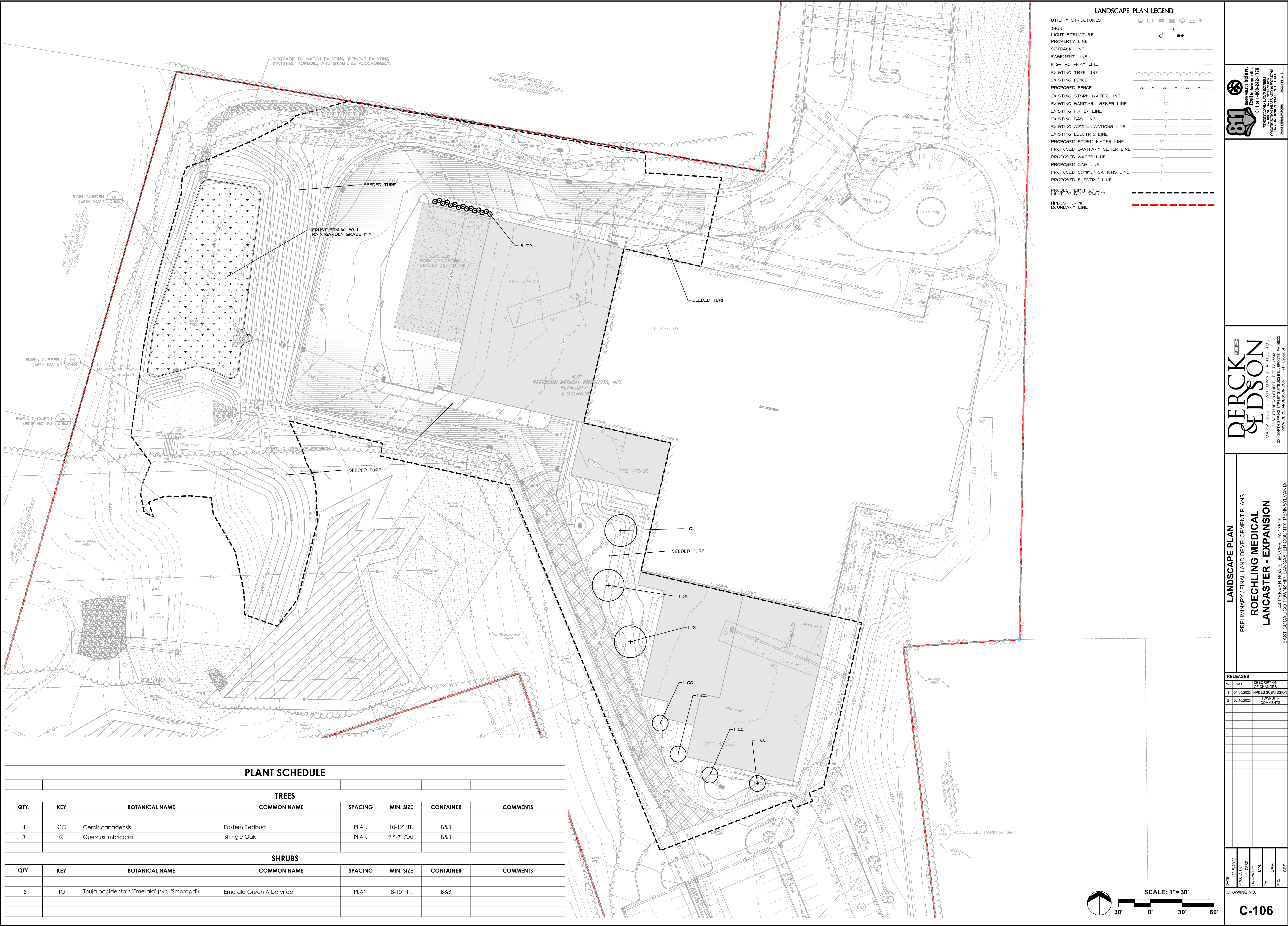
DRAWN BY: MAL

PK: DMI

PIC: SBS

DRAWING NO. C-105





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301 KATY STREET SUITE 200 LITZ PA 17543

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LANDSCAPE PLAN

PRELIMINARY / FINAL LAND DEVELOPMENT PLANS

ROEHLING MEDICAL

LANCASTER - EXPANSION

44 DENVER ROAD, DENVER, PA 17517

EAST COCALICO TOWNSHIP, LANCASTER COUNTY, PENNSYLVANIA

RELEASES:

No.	DATE	DESCRIPTION
1	01/05/2023	OF CHANGES
2	02/16/2023	NPDES SUBMISSION
		TOWNSHIP COMMENTS

DATE: 12/15/2022

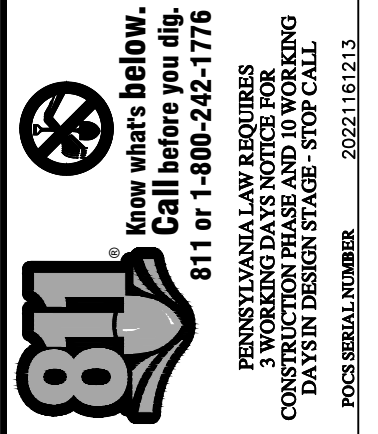
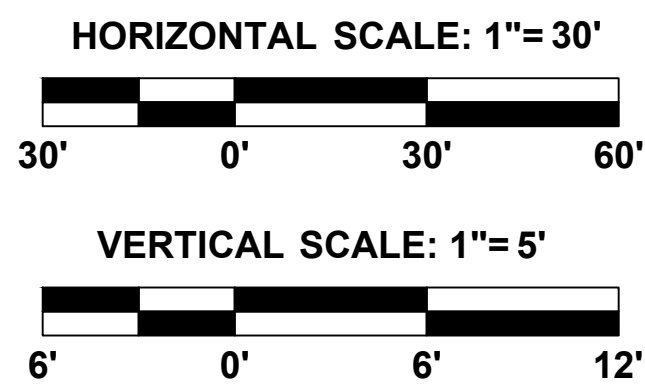
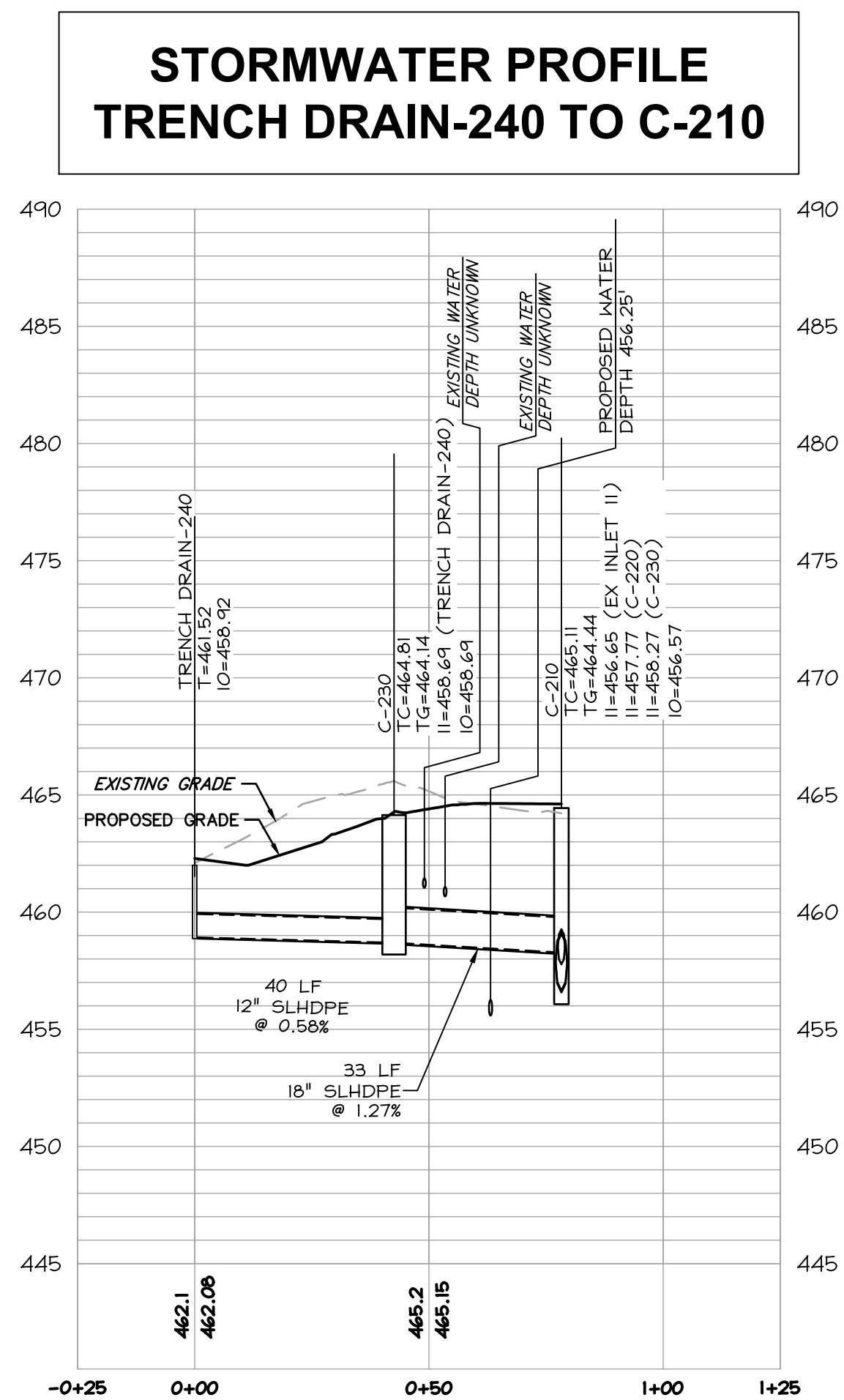
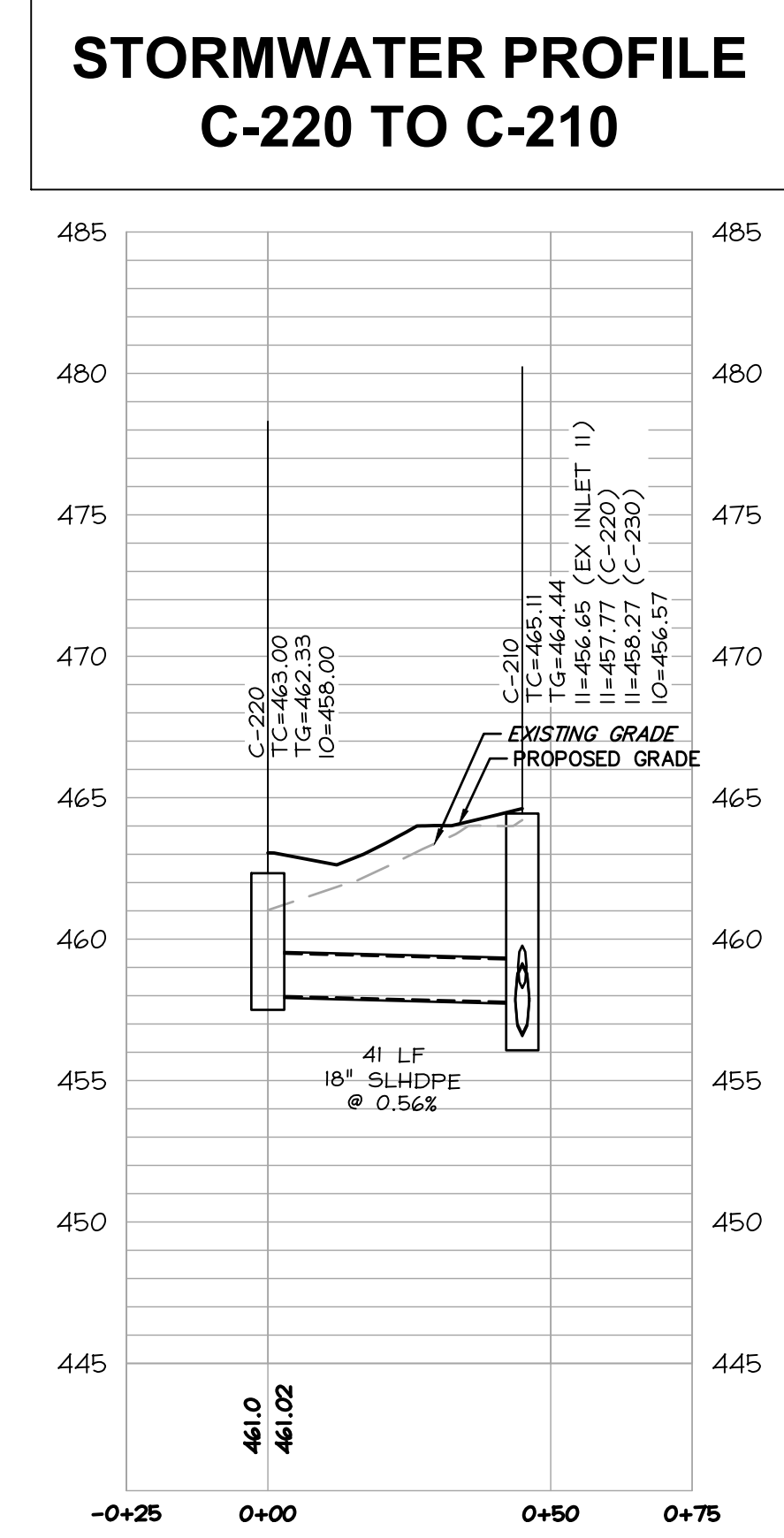
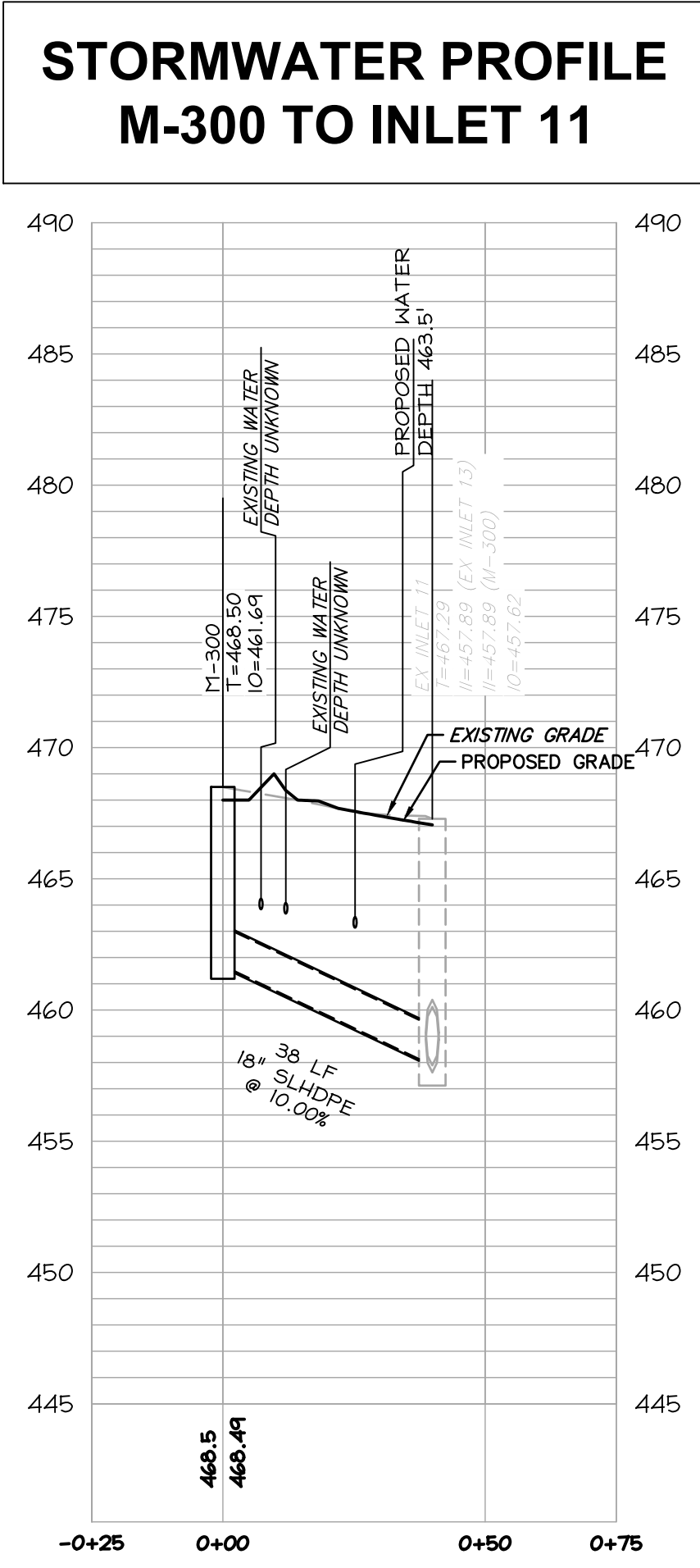
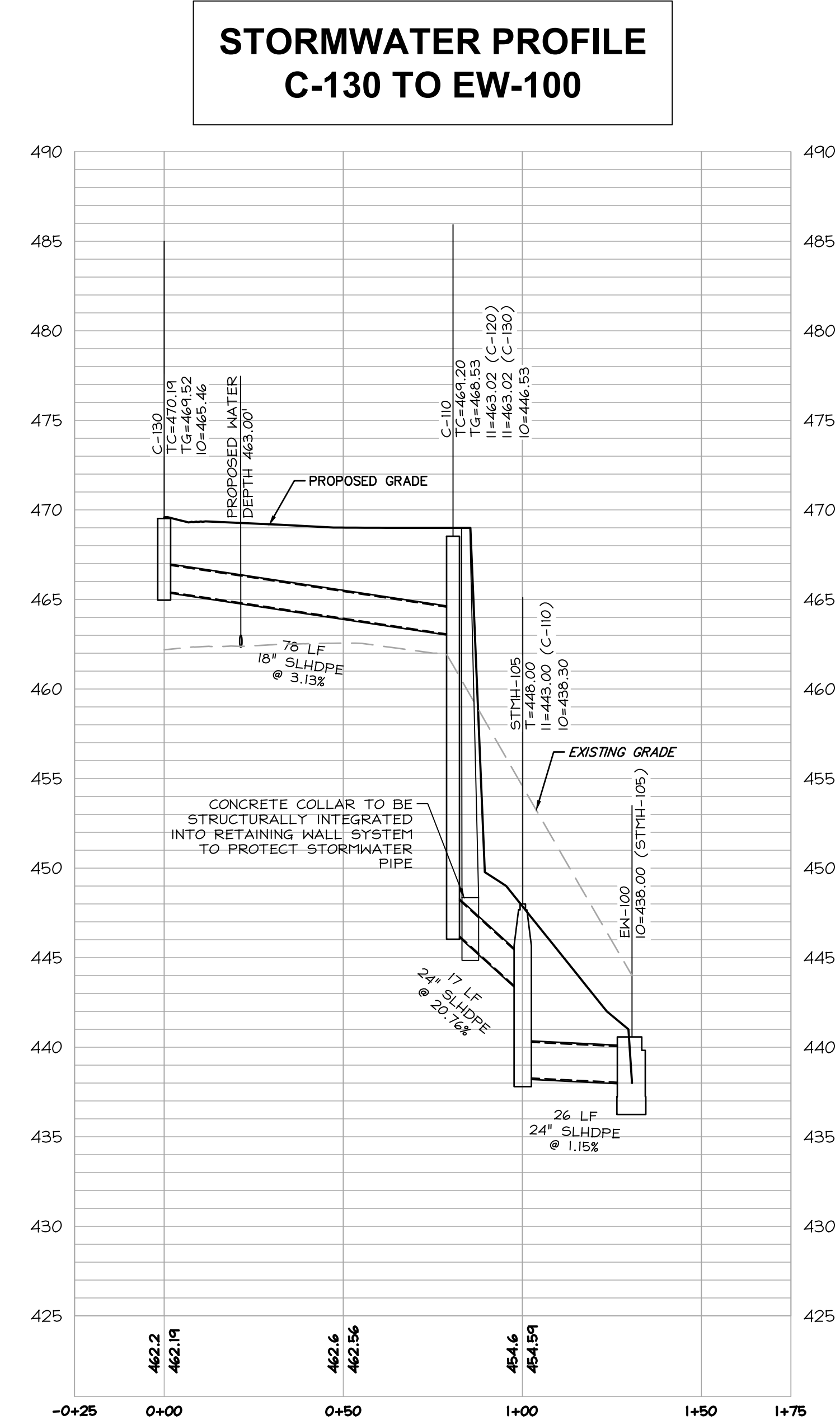
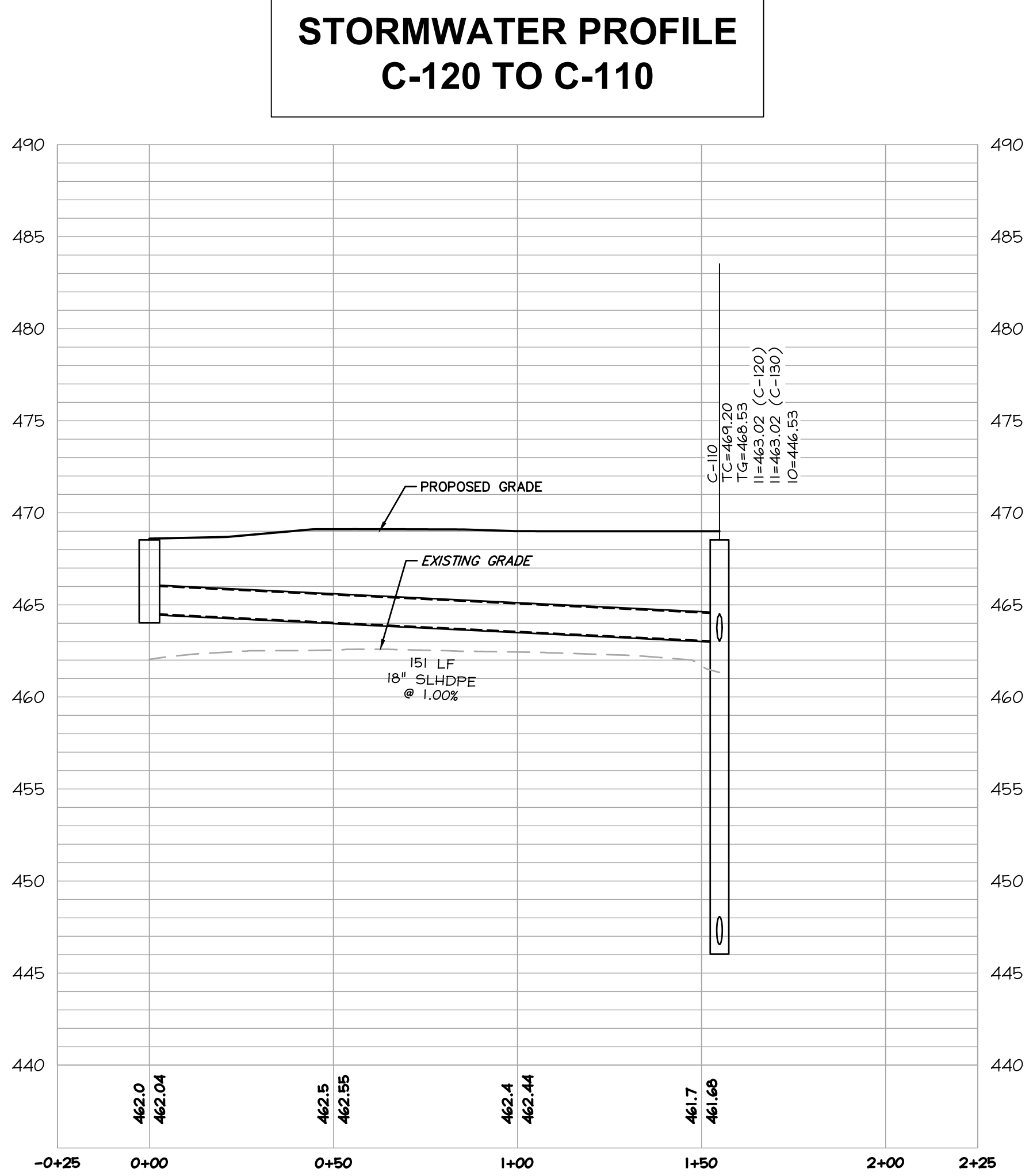
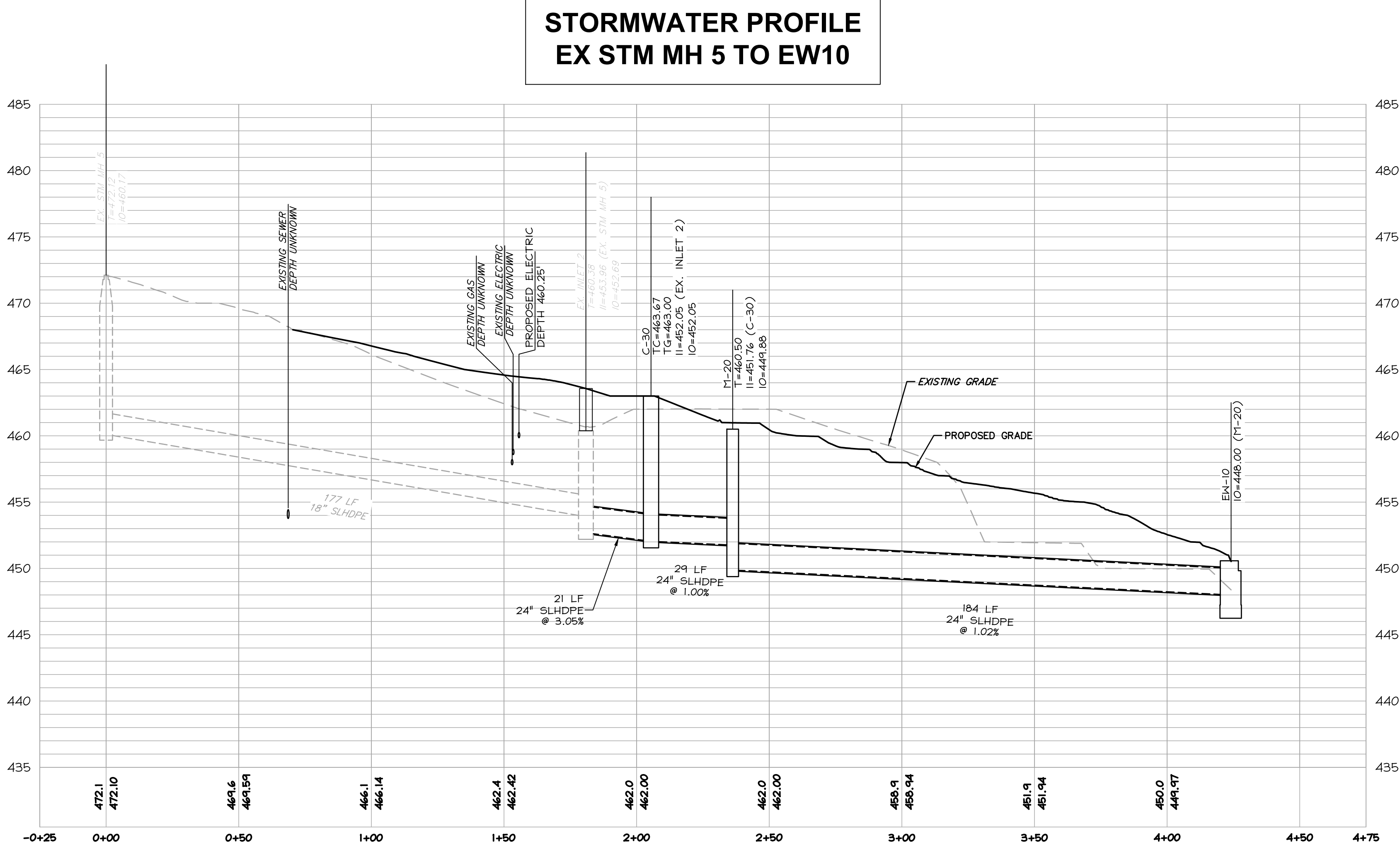
PROJECT #: 210580

DRAWN BY: MAL

PK: DAM

PK: SBS

DRAWING NO. C-106



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PROFILE SHEET
PRELIMINARY / FINAL LAND DEVELOPMENT PLANS
**ROECHLING MEDICAL
LANCASTER - EXPANSION**
44 DENVER ROAD, DENVER, PA 17517
EAST COCALCO TOWNSHIP, LANCASTER COUNTY, PENNSYLVANIA

RELEASES:		
No.	DATE	DESCRIPTION
1	01/05/2023	10% CHANGES
2	02/16/2023	NPDES SUBMISSION
		TOWNSHIP COMMENTS

DATE:	12/15/2022
PROJECT #:	210580
DRAWN BY:	DM
CHECKED BY:	DM
IN CHARGE:	DM
DATE:	12/15/2022
PROJECT #:	210580
DRAWN BY:	DM
CHECKED BY:	DM
IN CHARGE:	DM

DRAWING NO. **C-301**

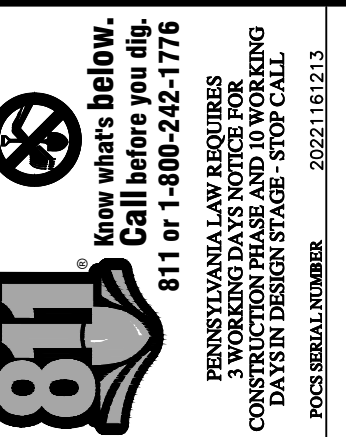
Profile view of the proposed 18' SLHDPE sewer line. The profile shows the sewer line with various slopes and vertical curves. Key features include:

- Station 0+00 to 0+50: 60 LF 18' SLHDPE @ 5.1% slope.
- Station 0+50 to 1+00: 232 LF 30' SLHDPE @ 2.76% slope.
- Station 1+00 to 3+50: 35 LF 30' SLHDPE @ 2.77% slope.
- Station 3+50 to 5+00: 148 LF 30' SLHDPE @ 7.57% slope.
- Station 5+00 to 6+50: 124 LF 30' SLHDPE @ 1.01% slope.

The profile also shows existing and proposed grades, manholes (M-402, M-403, M-404, M-405), and a proposed water depth of 10' 0".

Profile view of the proposed drainage system. The vertical axis shows elevation in feet (425 to 450). The horizontal axis shows stationing from -0+25 to 0+75. The diagram includes the following elements:

- PROPOSED GRADE:** A line showing the proposed drainage profile, starting at approximately 442.5' at station 0+00 and sloping down to 432.00' at station 0+50.
- EXISTING GRADE:** A line showing the existing ground surface, starting at approximately 442.5' at station 0+00 and sloping down to 432.00' at station 0+50.
- PVC UNDERDRAIN (RAIN GARDEN):** A vertical line at station 0+00, labeled with elevations 445.0, 440.25, and 436.50.
- OUTLET-500 (W/ BEVELED END TO FLATCH GRADE):** A line at station 0+50, labeled with elevation 432.00.
- 22 LF 8" SDR-35 PVC @ 2.27%:** A label indicating the length and specifications of the proposed drainage pipe.
- 454.9** and **454.91:** Elevation markers at the left end of the profile.



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717.656-2054

PROFILE SHEET

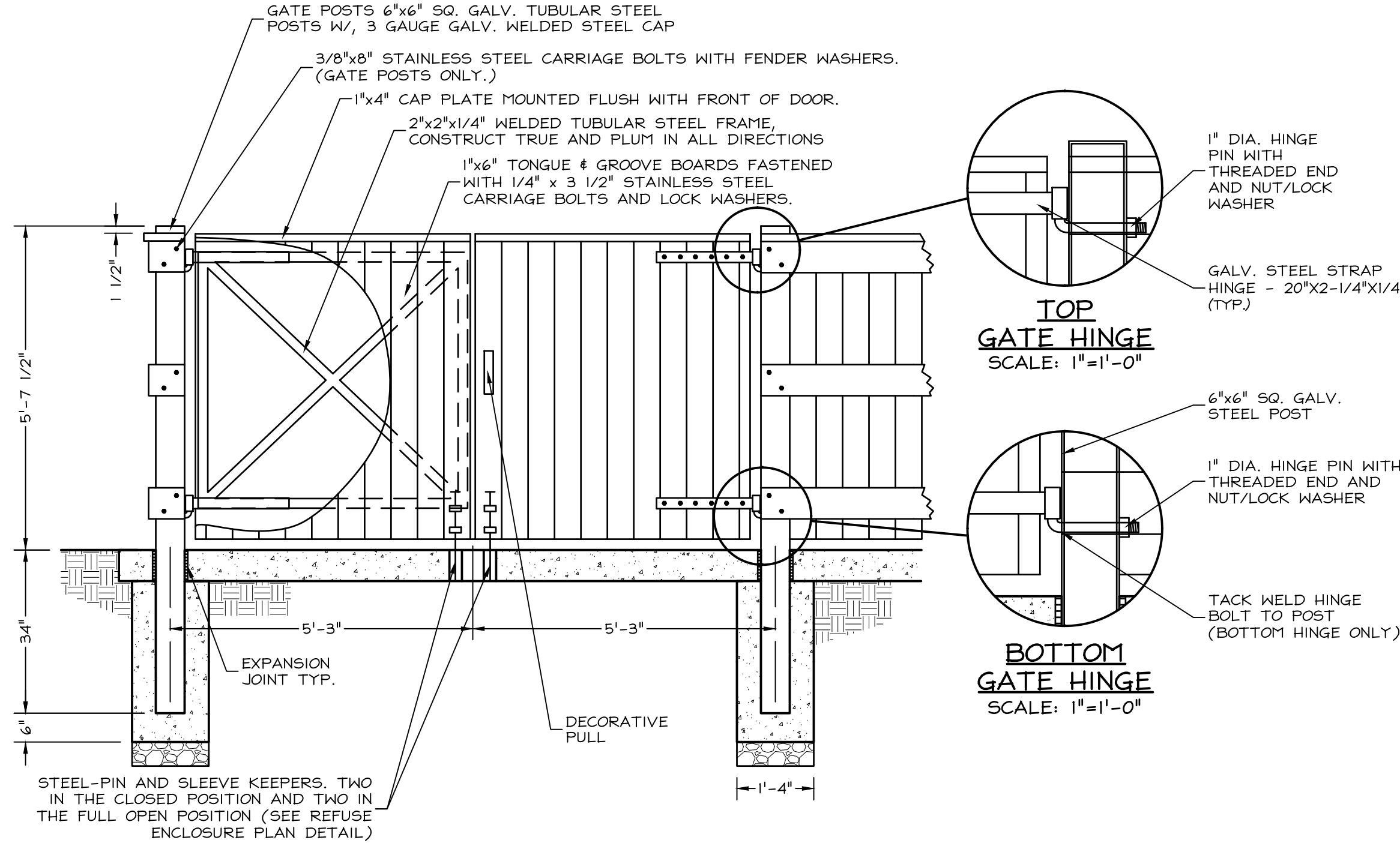
PRELIMINARY / FINAL LAND DEVELOPMENT PLANS

**ROECHLING MEDICAL
LANCASTER - EXPANSION**

RELEASES:	
DATE	DESCRIPTION OF CHANGES
01/05/2023	NPDES SUBMISSION
02/16/2023	TOWNSHIP COMMENTS

12/15/2022
PROJECT #:
210580
DRAWN BY:
MAL
PM:
DAM
PIC:
SBS

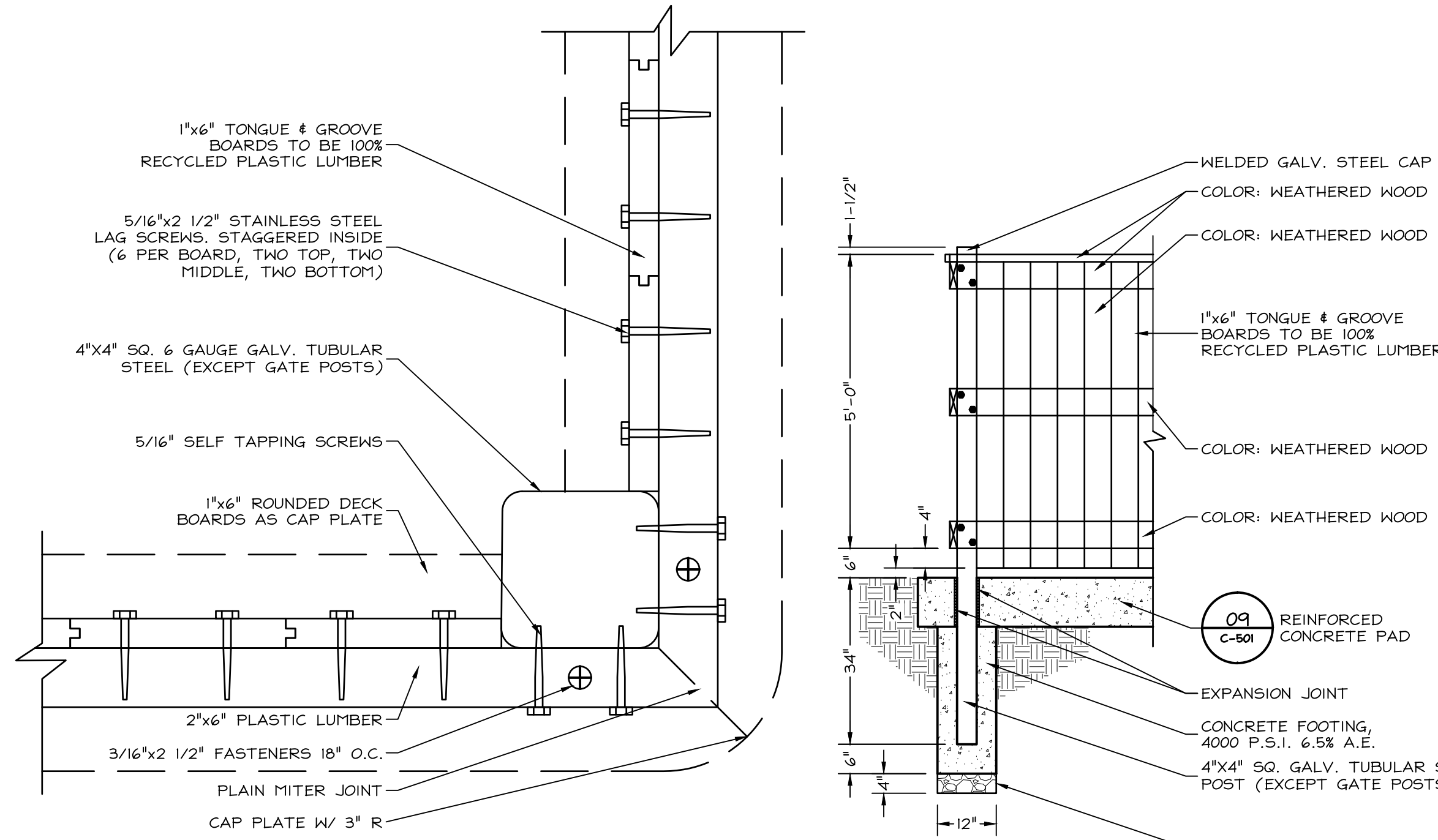
C-302



SECTION/ELEVATION
SCALE: 1/2"=1'-0"

- NOTES:
1. SIDE GATES TO HAVE SELF-CLOSING HINGES.
2. ALL MEMBERS EXCEPT POSTS TO BE 100% RECYCLED PLASTIC LUMBER.
3. ALL MEMBERS TO BE ATTACHED WITH STAINLESS STEEL BOLTS.

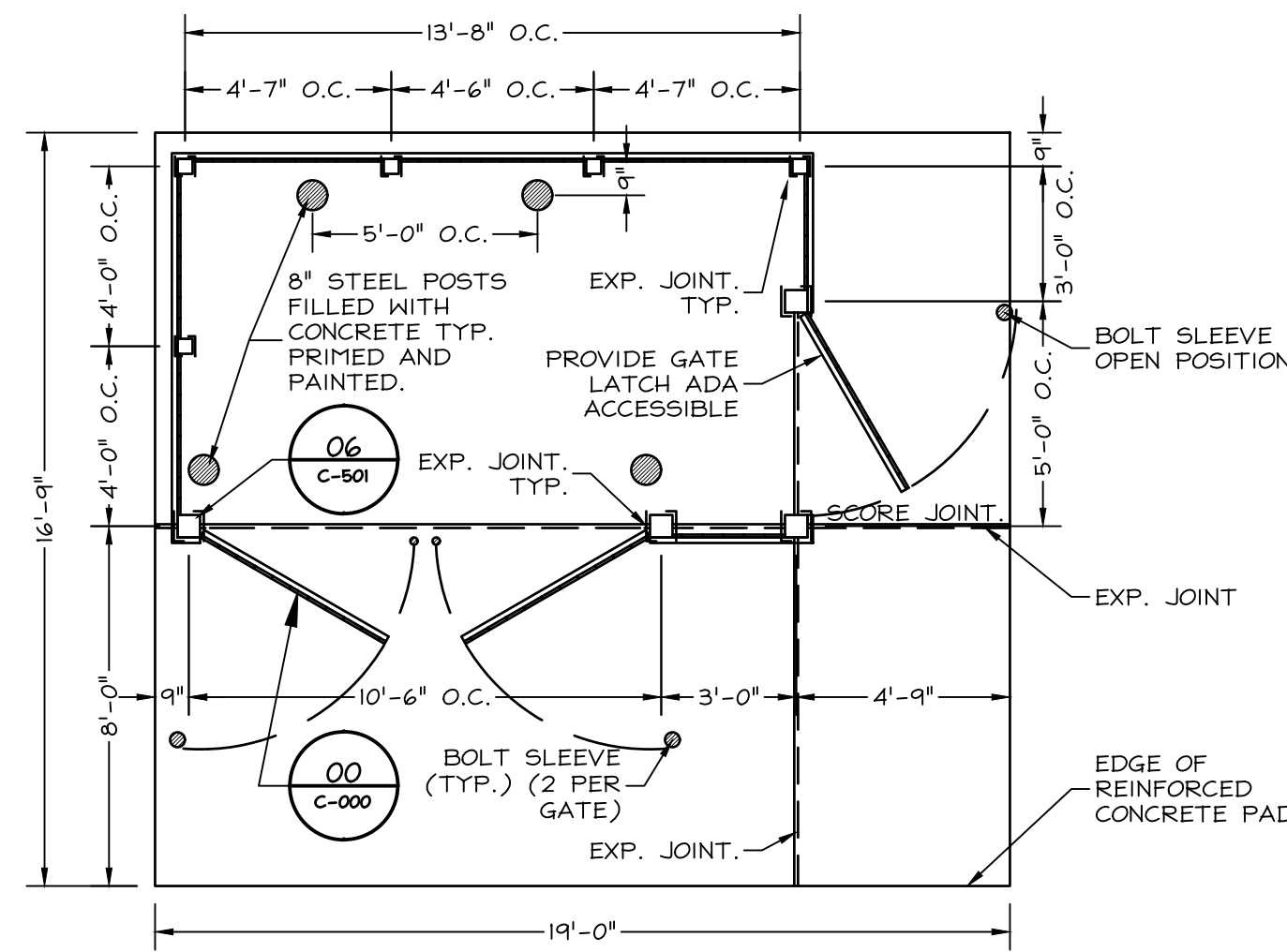
15 REFUSE ENCLOSURE GATE ELEVATION
C-501 323100-006-003 SCALE: SEE VIEW



PLAN
SCALE: 4"=1'-0"

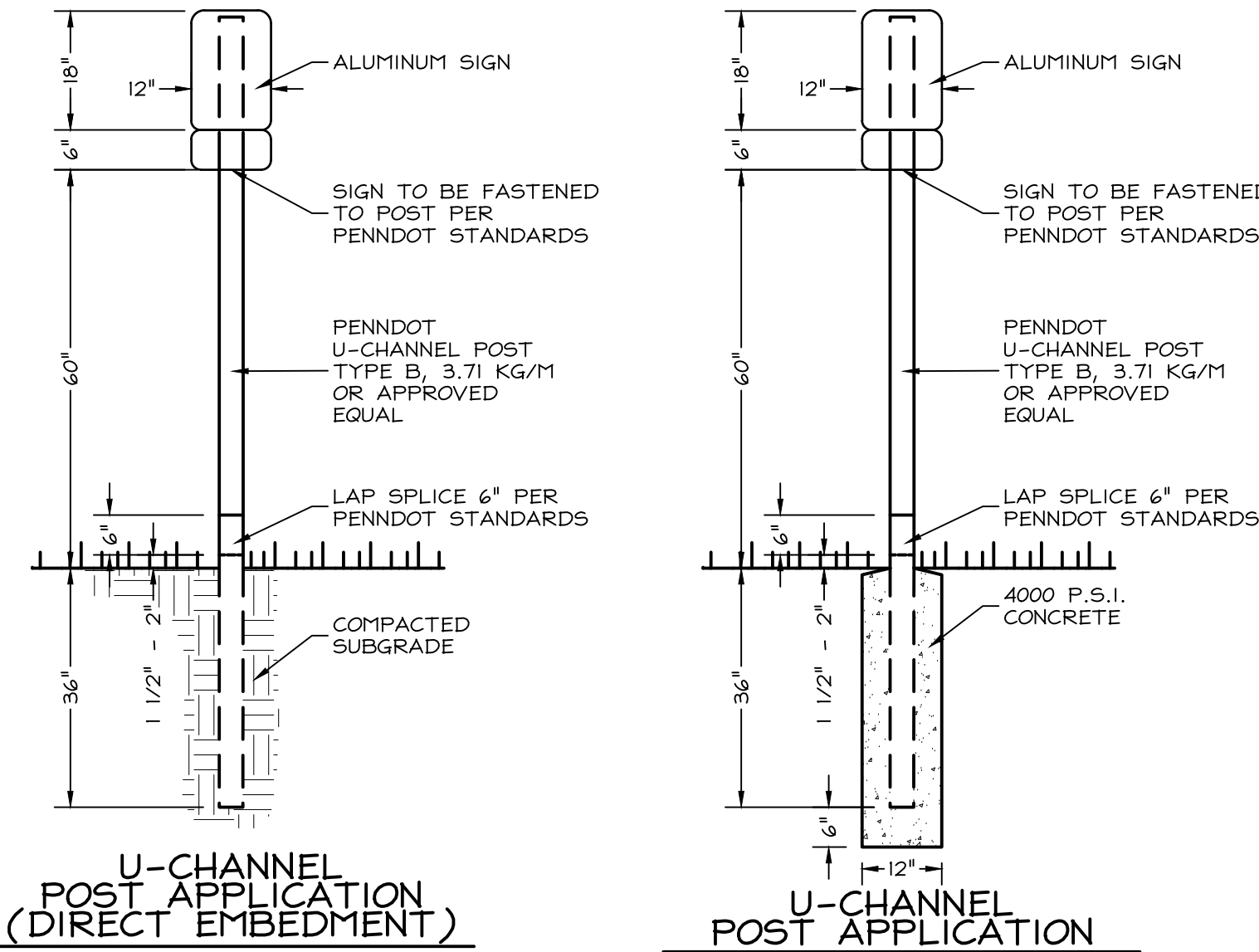
SECTION
SCALE: 1/2"=1'-0"

14 REFUSE ENCLOSURE CORNER DETAIL AND SECTION
C-501 323100-005-004 SCALE: SEE VIEW

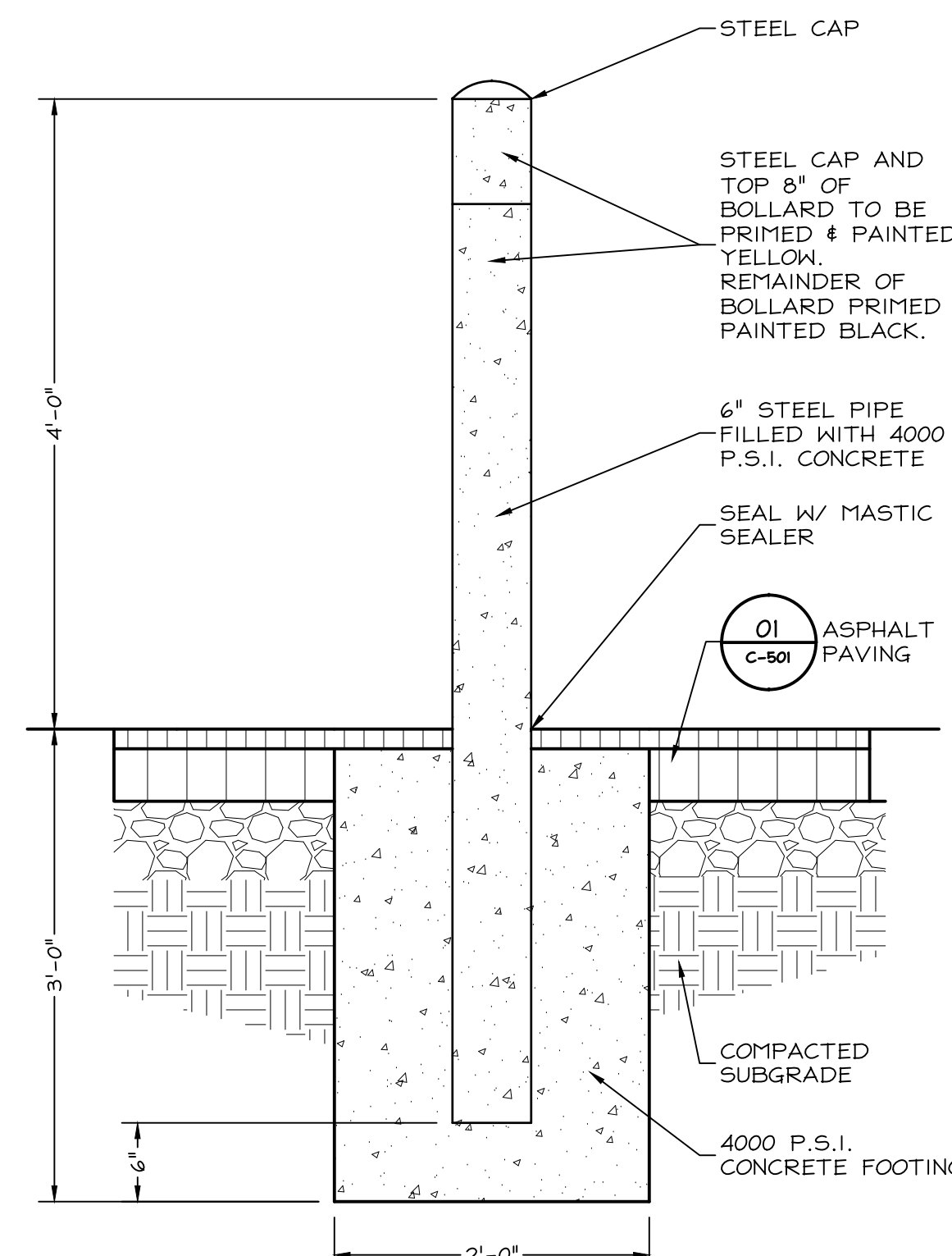


- NOTES:
1. SIDE GATES TO HAVE SELF-CLOSING HINGES.
2. ALL MEMBERS EXCEPT POSTS TO BE 100% RECYCLED PLASTIC LUMBER.
3. ALL MEMBERS TO BE ATTACHED WITH STAINLESS STEEL BOLTS.
4. CORNER AND LINE POSTS SHALL BE 4X4" SQ. 6 GAUGE GALV. TUBULAR STEEL.
5. GATE POSTS SHALL BE 6X6" SQ. 3 GAUGE GALV. TUBULAR STEEL.

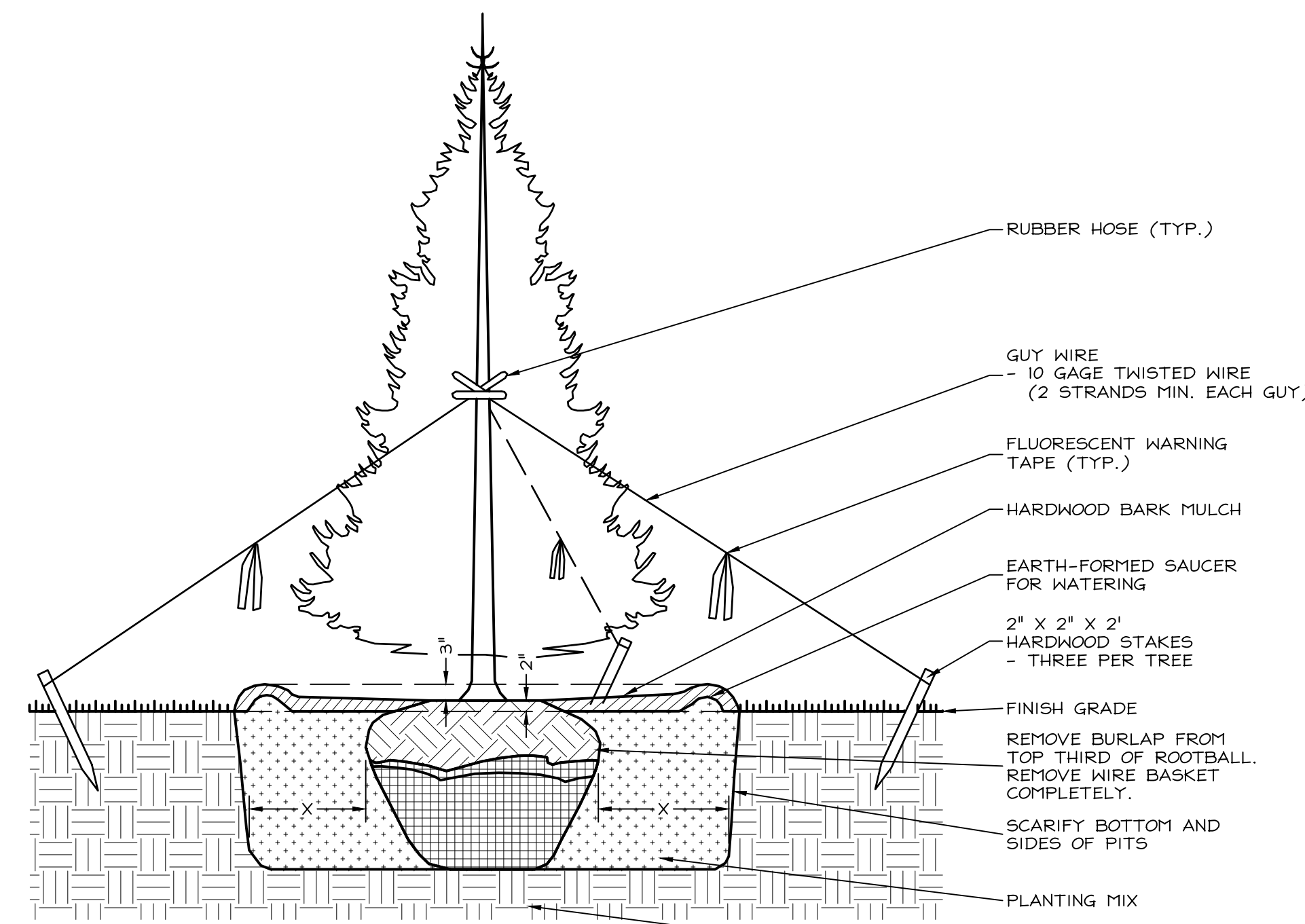
13 REFUSE ENCLOSURE PLAN (SINGLE)
C-501 323100-003-004 SCALE: 1/4"=1'-0"



12 ACCESSIBLE PARKING SIGN
C-501 323343-006-003 (U-CHANNEL POST) SCALE: 1/2"=1'-0"

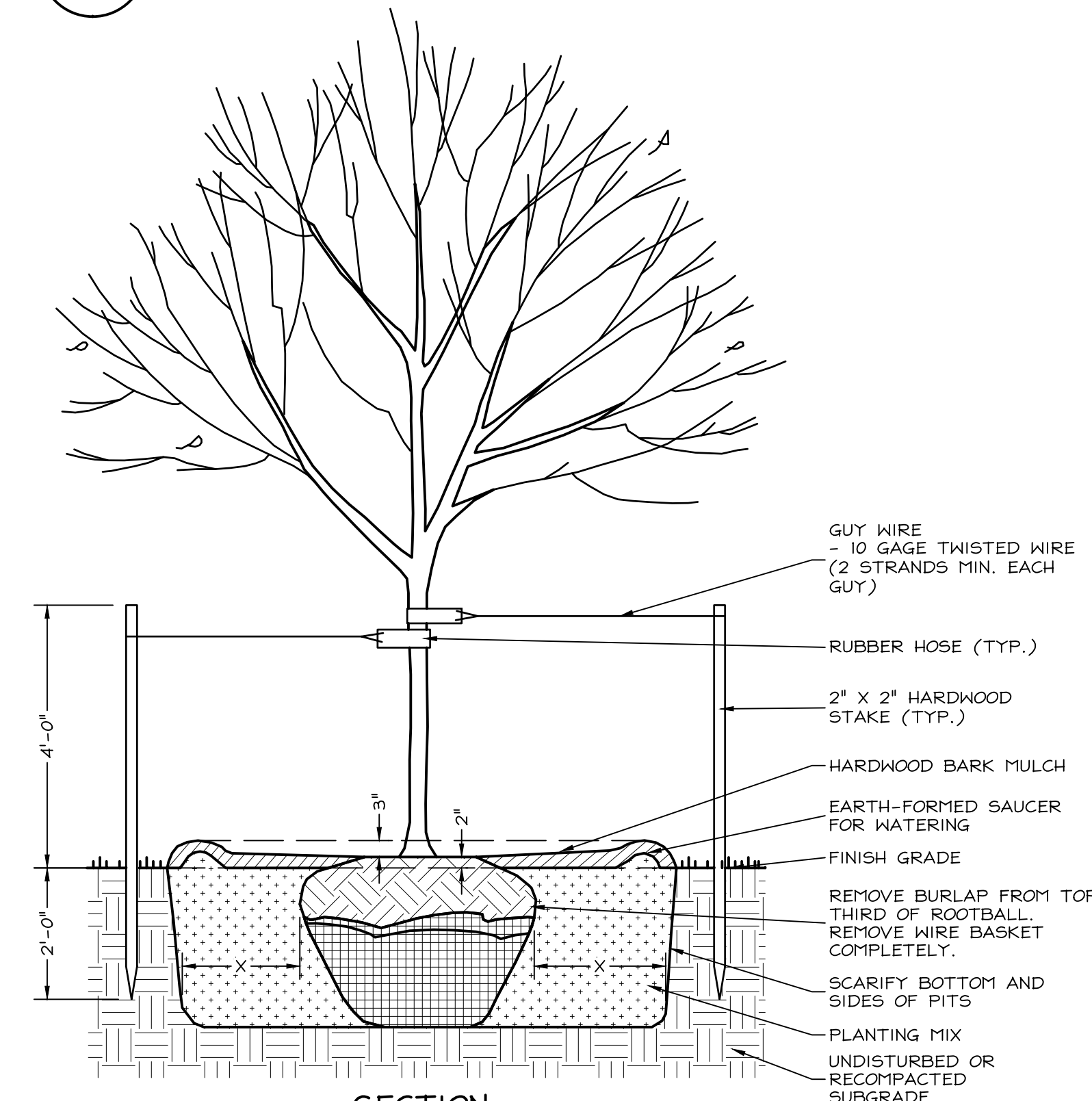


12 PERMANENT STEEL BOLLARD
C-501 323333-001-003 SCALE: 1"=1'-0"



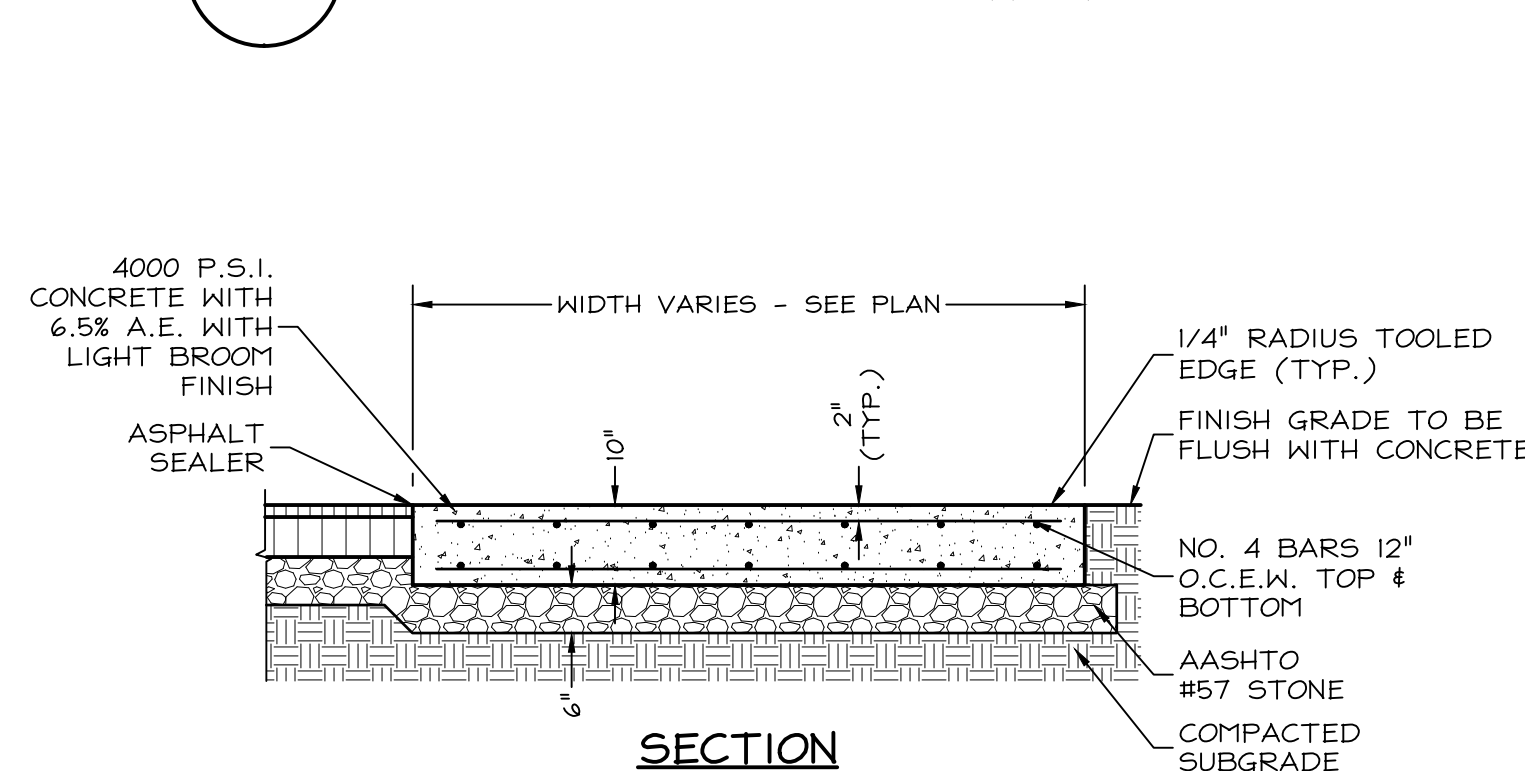
SECTION
SCALE: 1/2"=1'-0"

11 CONIFEROUS TREE PLANTING
C-501 323300-003-003 SCALE: 1/2"=1'-0"

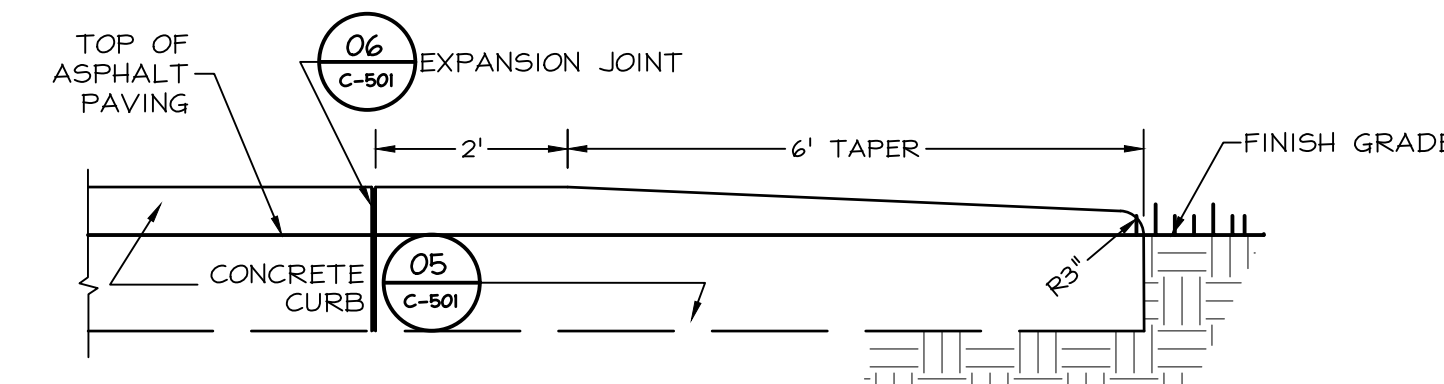


SECTION
SCALE: 1/2"=1'-0"

10 DECIDUOUS TREE PLANTING
C-501 323300-002-004 SCALE: 1/2"=1'-0"

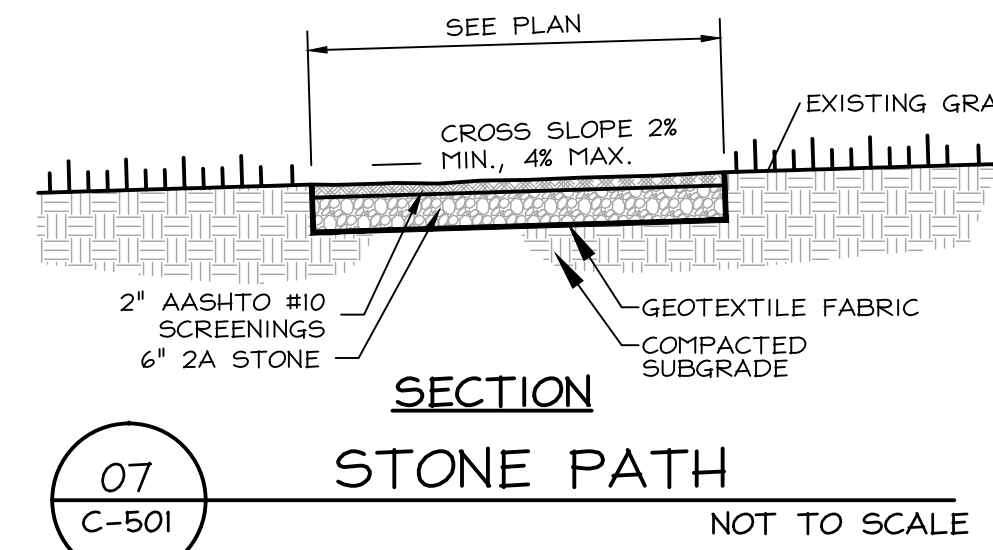


09 REINFORCED CONCRETE PAD
C-501 321913-003-005 SCALE: 1/2"=1'-0"

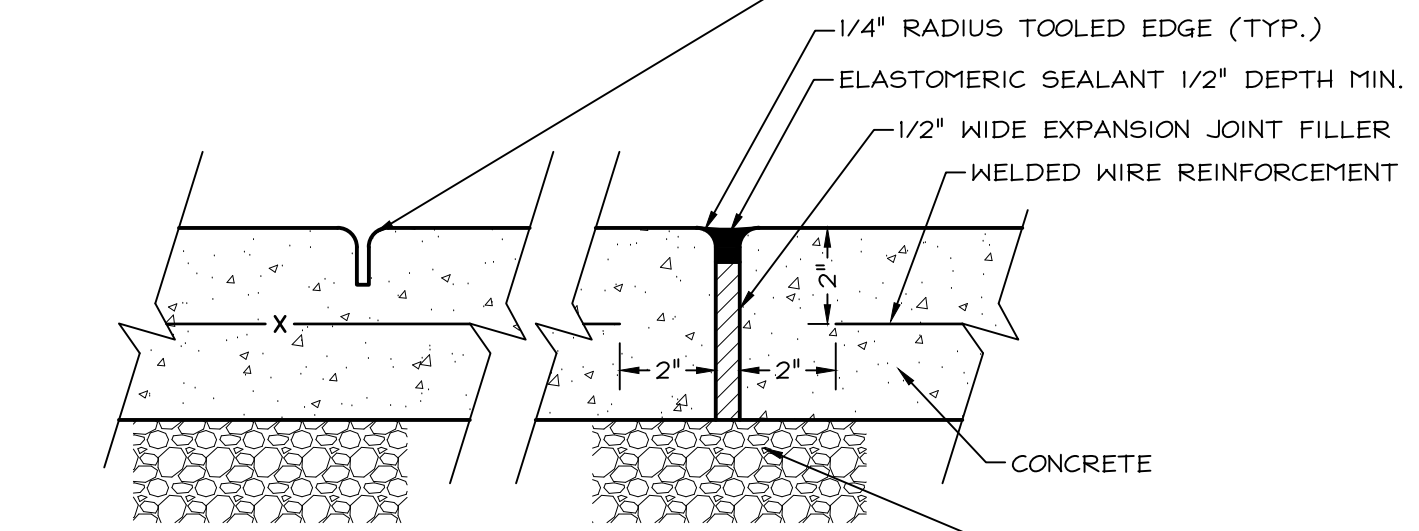


SECTION/ELEVATION
SCALE: 1/2"=1'-0"

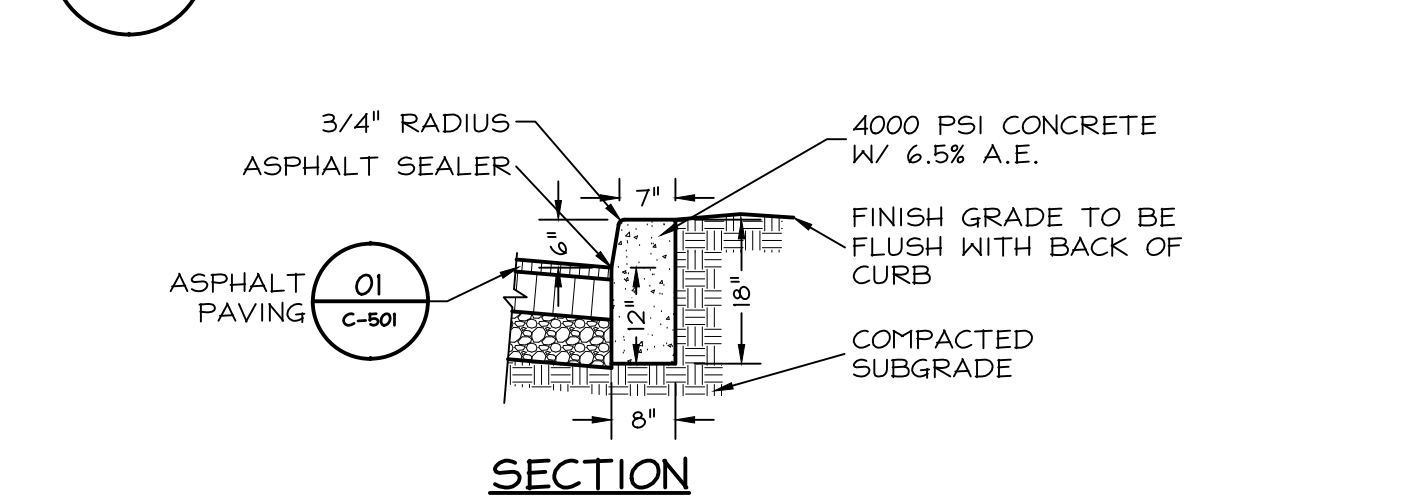
08 END OF CURB TAPER
C-501 321916-003-003 SCALE: 1/2"=1'-0"



SECTION
SCALE: 3"=1'-0"

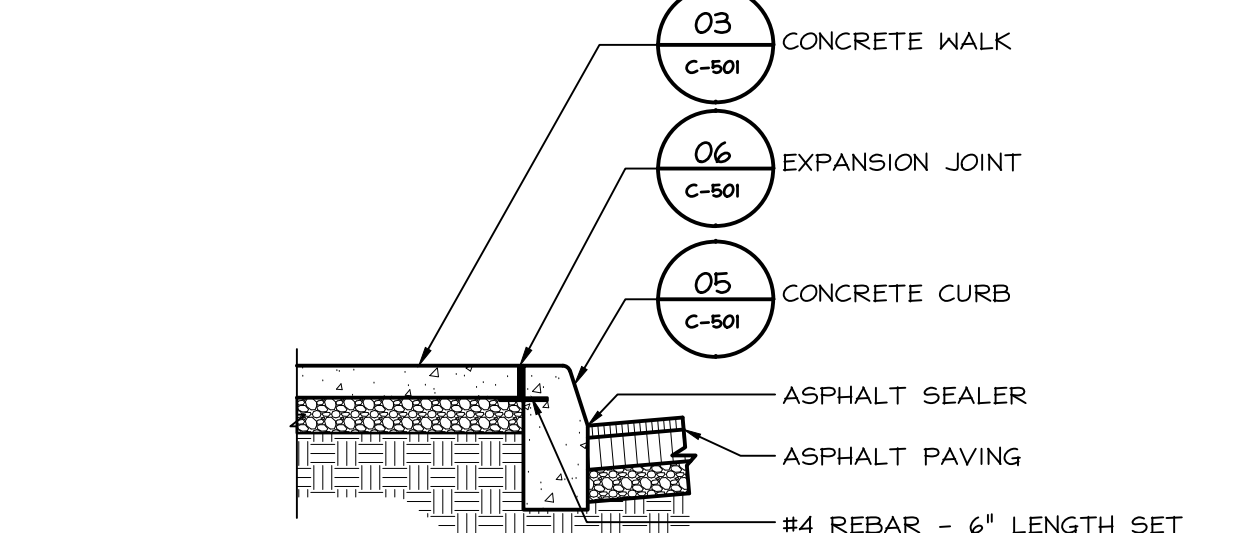


SECTION
SCALE: 3"=1'-0"



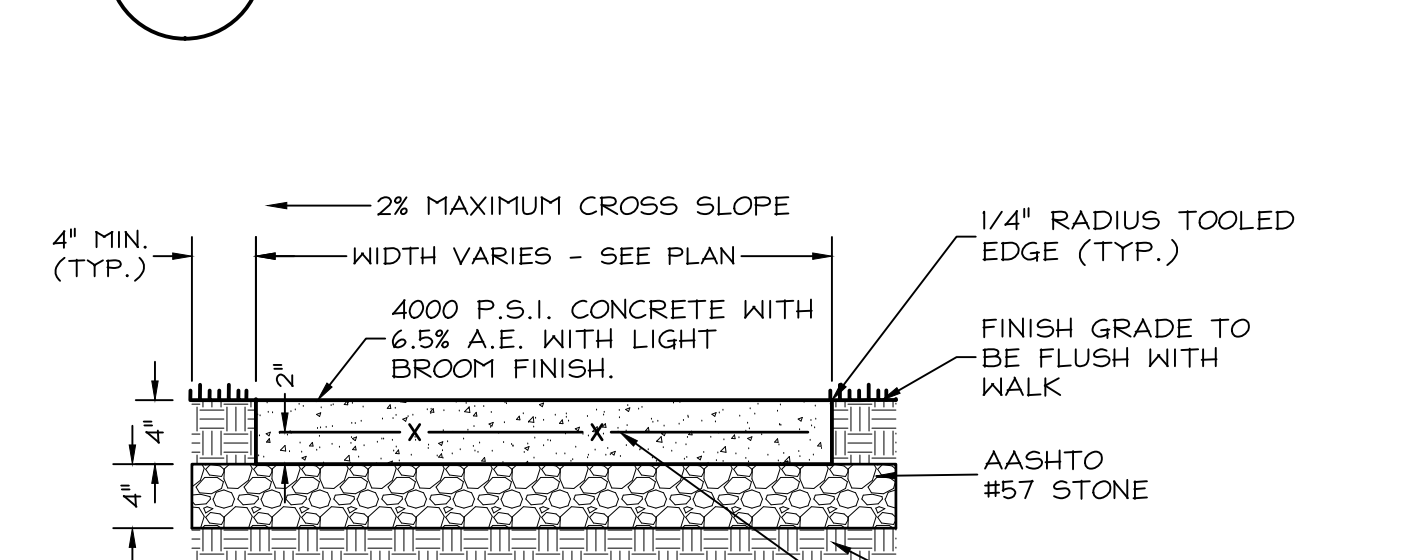
SECTION
SCALE: 1/2"=1'-0"

05 CONCRETE CURB - 6" STRAIGHT
C-501 321913-004-002 SCALE: 1/2"=1'-0"



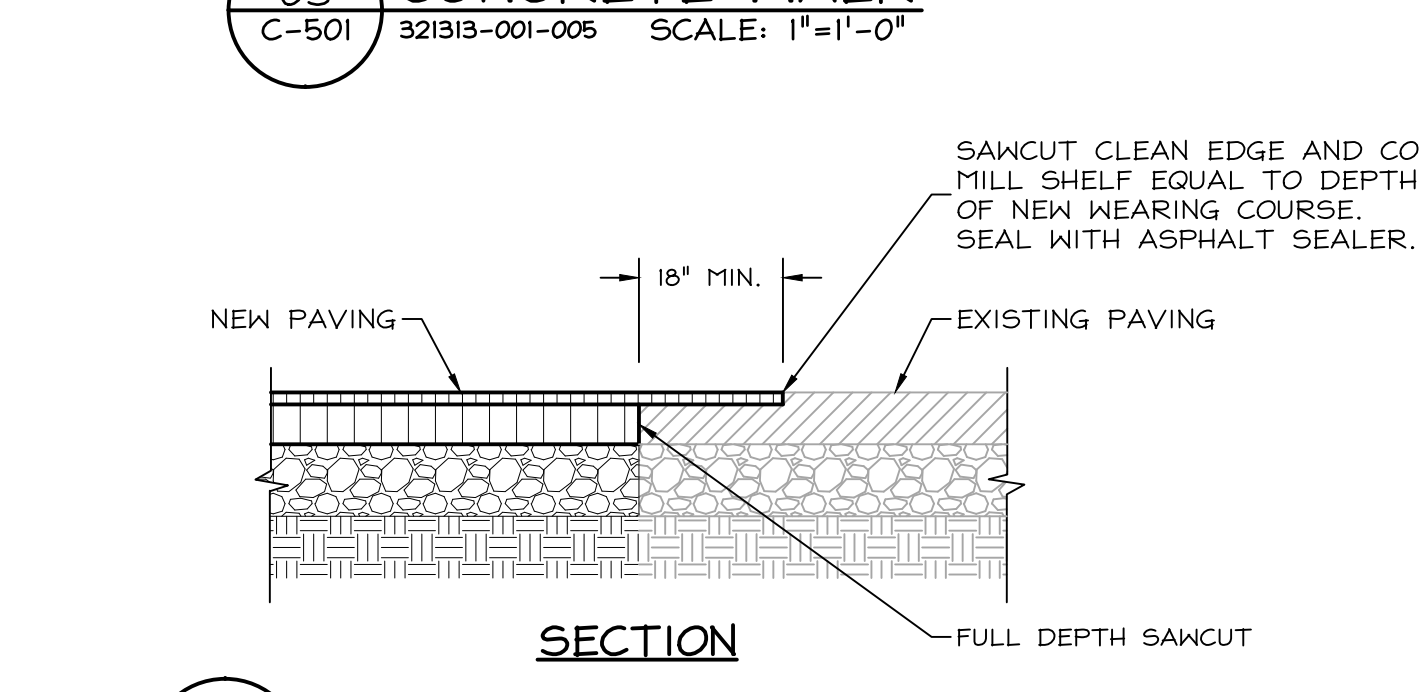
SECTION
SCALE: 1/2"=1'-0"

04 CONCRETE CURB AND WALK
C-501 321913-007-005 SCALE: 1/2"=1'-0"



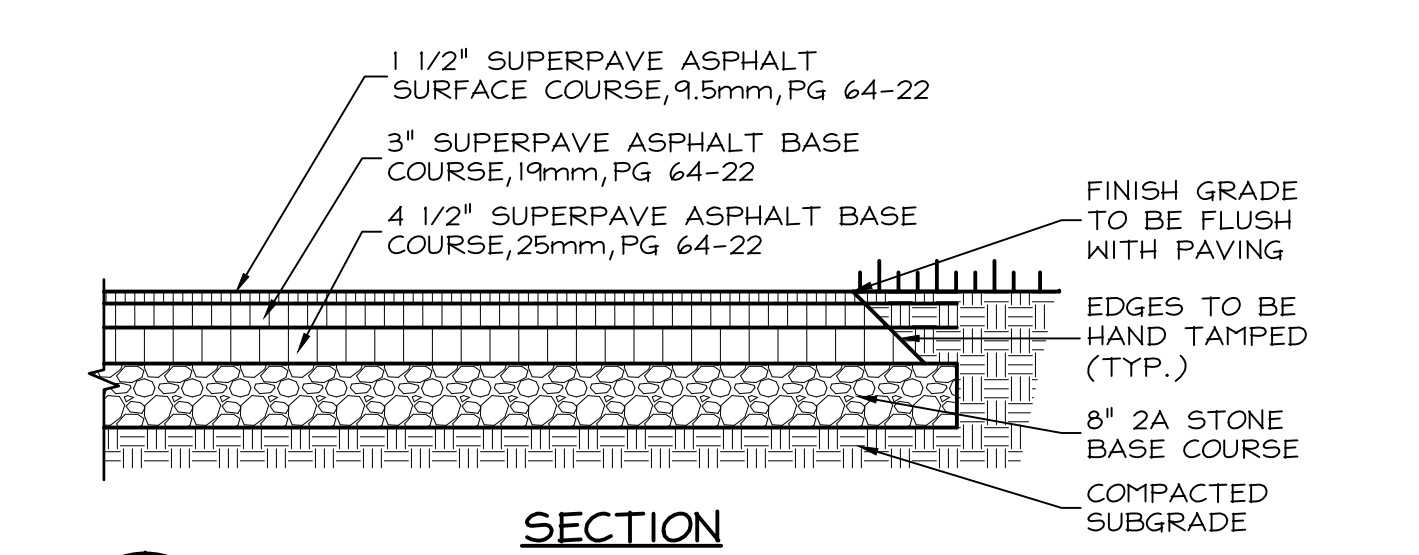
SECTION
SCALE: 1"=1'-0"

03 CONCRETE WALK
C-501 321913-001-005 SCALE: 1"=1'-0"



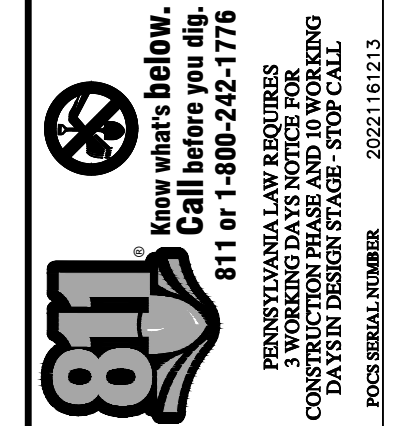
SECTION
SCALE: 1/2"=1'-0"

02 ASPHALT PAVING JOINT
C-501 321216-004-004 SCALE: 1/2"=1'-0"



SECTION
SCALE: 1/2"=1'-0"

01 ASPHALT PAVING-CLASS 3
C-501 321216-003-003 (SUPERPAVE MIX) SCALE: 1/2"=1'-0"



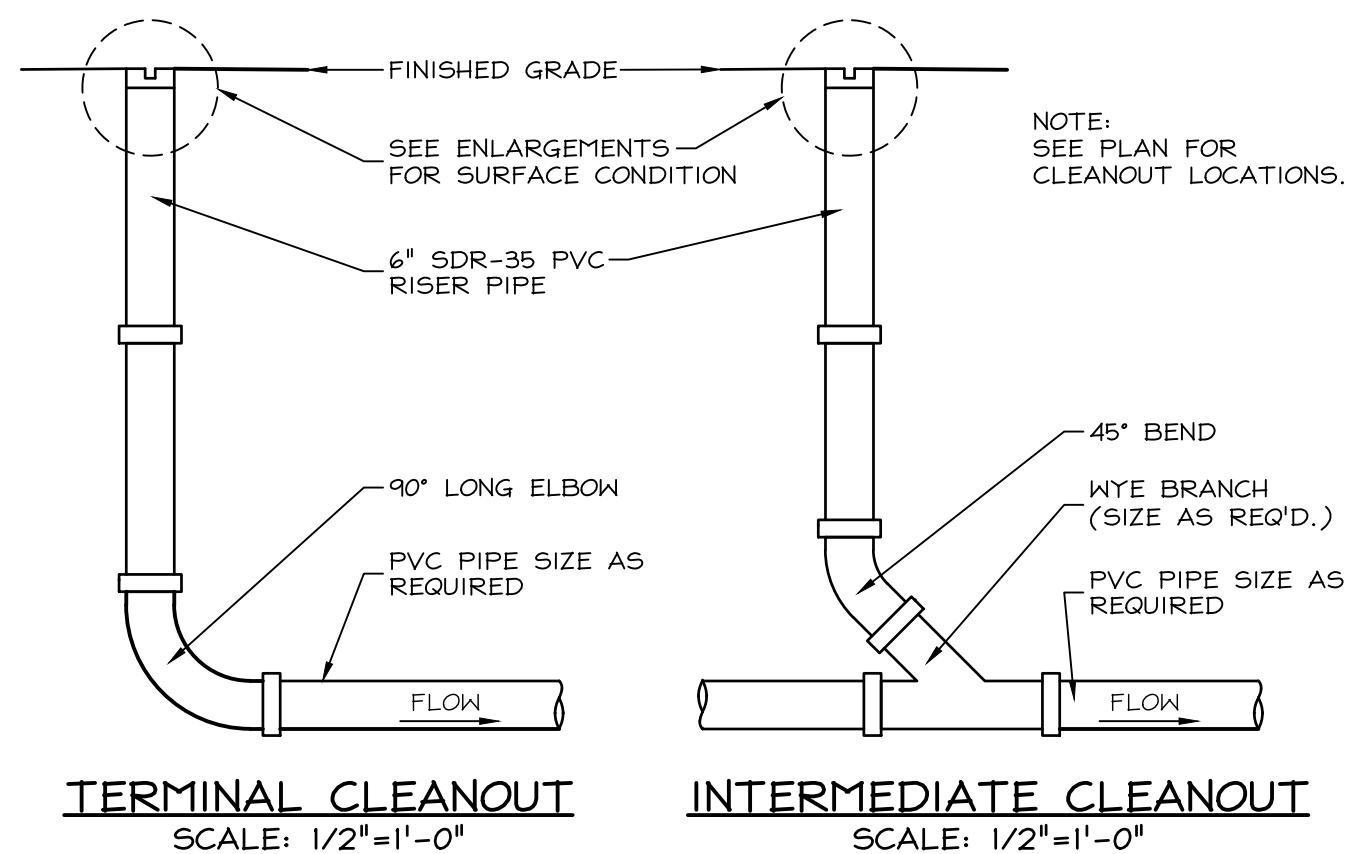
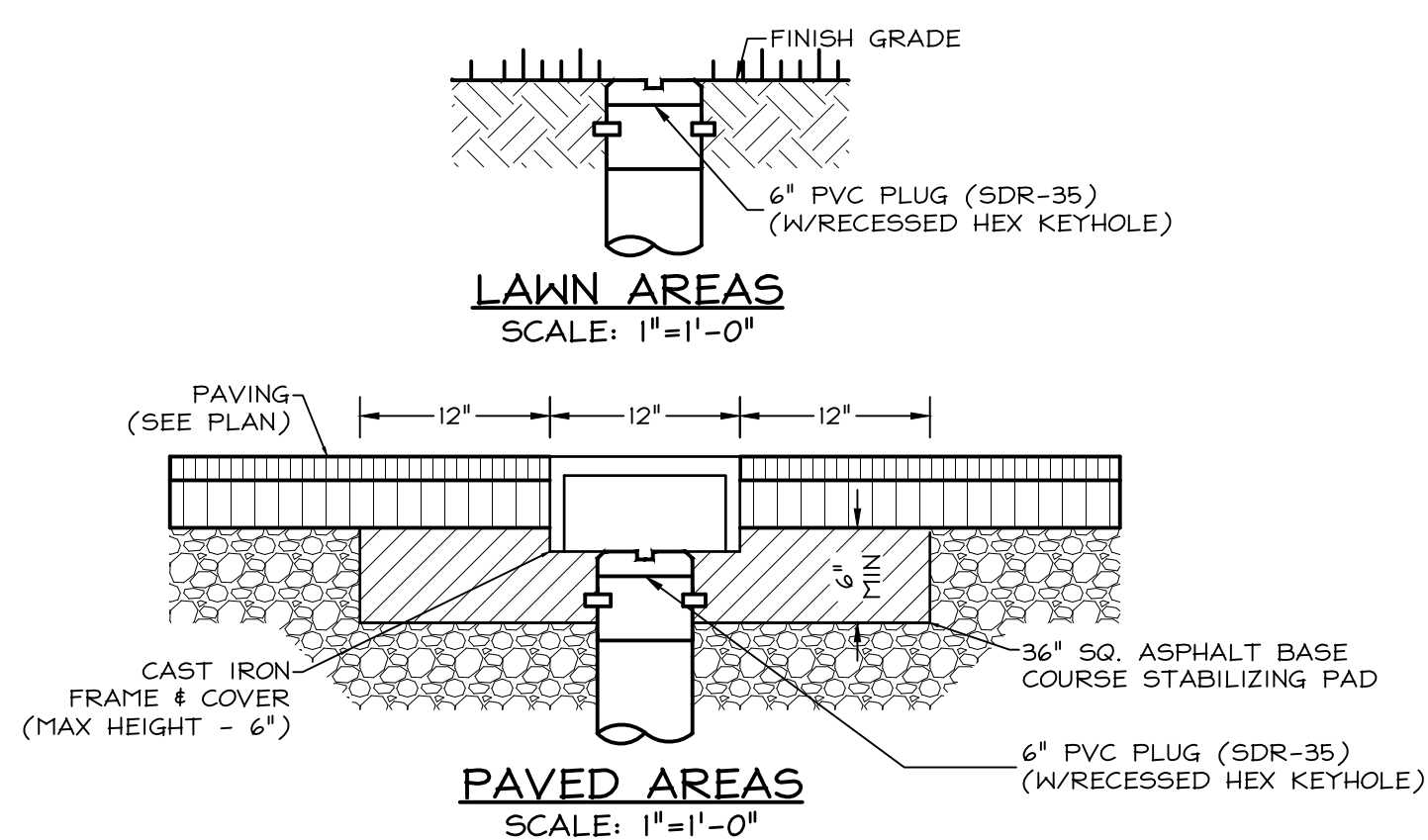
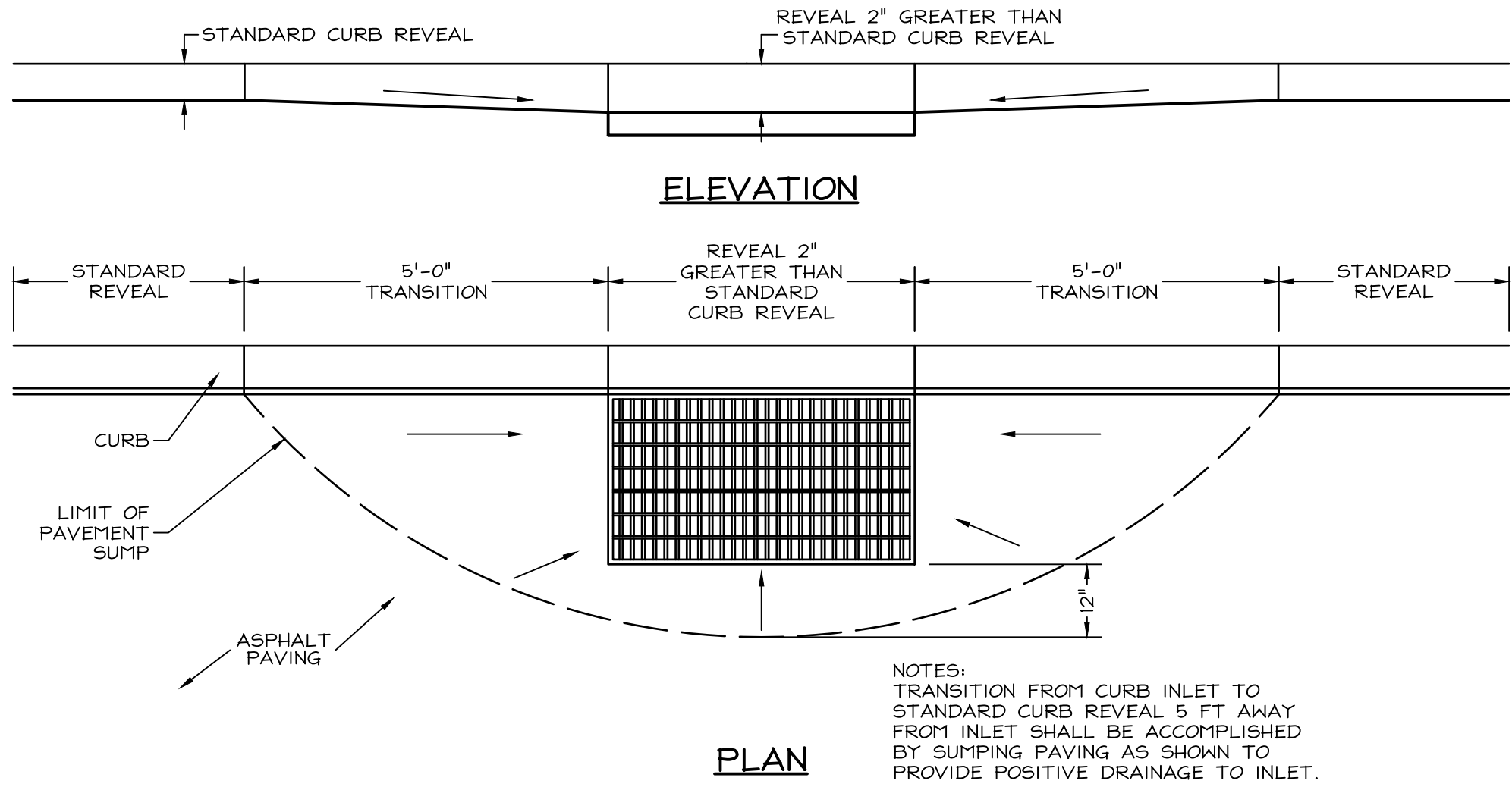
DERCKSON
ENGINEERING, INC.
351 KNOTT ROAD, SUITE 100
LANCASTER, PA 17602
WWW.DERCKSONENGINEERING.COM
(717) 682-5544

SITE DETAILS
PRELIMINARY / FINAL LAND DEVELOPMENT PLANS
ROEHLING MEDICAL
LANCASTER - EXPANSION
44 DENVER ROAD, DENVER, PA 17517
EAST COCALICO TOWNSHIP, LANCASTER COUNTY, PENNSYLVANIA

RELEASES:		
No.	DATE	DESCRIPTION
1	01/05/2023	OF CHANGES
2	02/16/2023	TOWNSHIP COMMENTS

DATE	PROJECT #	DRAWN BY	MAIL	DWG	SBS
12/15/2022	210580	PM	PM	PM	PM

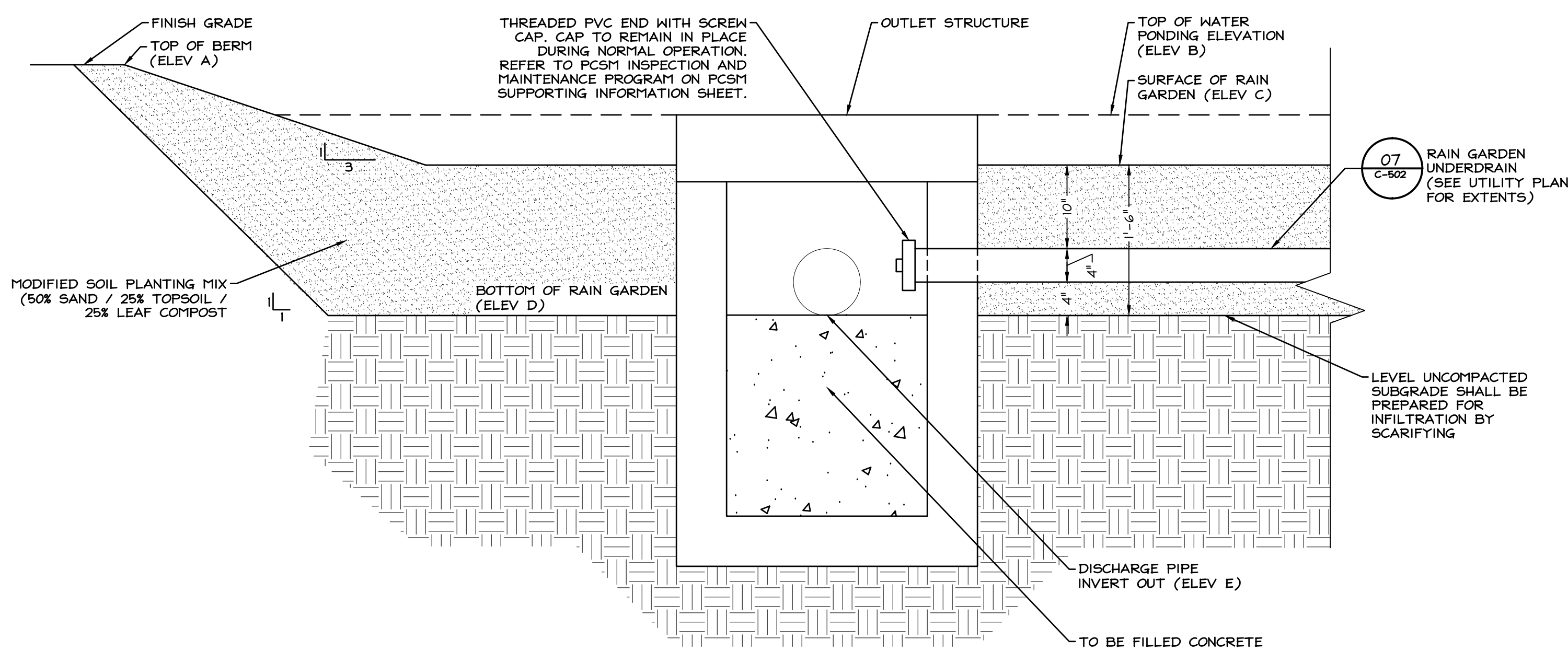
DRAWING NO. C-501



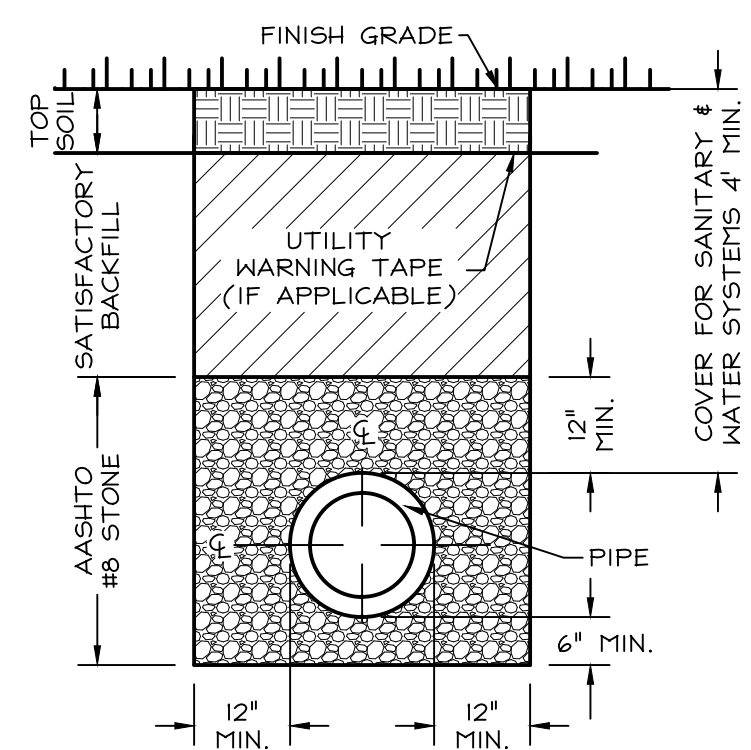
12 CLEANOUT (CO)
C-502 334100-046-003 SCALE: SEE VIEW

- NOTES:
- PLANT VEGETATION ACCORDING TO THE LANDSCAPE PLAN:
 - IF SEED MIX IS SPECIFIED; PLANT SEED MIX PER MANUFACTURER SPECIFICATION AND INSTALL EROSION CONTROL MATTING, AS SPECIFIED ON THE PLANS, IMMEDIATELY AFTER SEED IS PLACED TO PREVENT EROSION.
 - IF PLANTINGS / PLUGS ARE SPECIFIED; INSTALL PLANTINGS / PLUGS AND UNIFORMLY SPREAD 2'-3" OF TRIPLE SHREDDED HARDWOOD MULCH, IMMEDIATELY AFTER VEGETATION IS PLANTED TO PREVENT EROSION.
 - IF A CONCRETE STRUCTURE IS USED, INSTALL MASTIC BETWEEN THE INLET BOX AND TOP UNIT SO THE STRUCTURE IS WATERTIGHT.

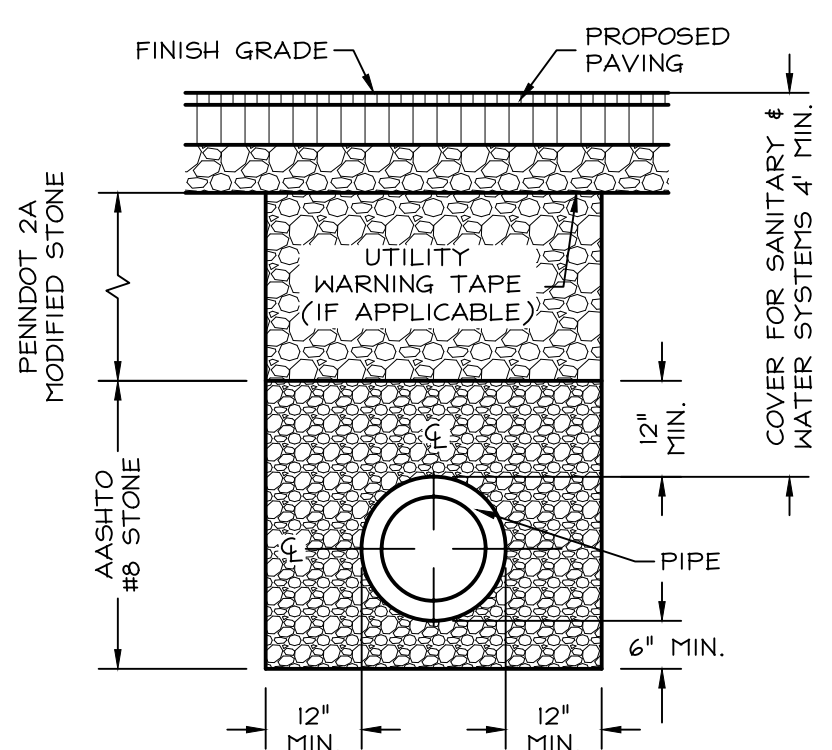
BMP:	ELEV. A	ELEV. B	ELEV. C	ELEV. D	ELEV. E	OUTLET STRUCTURE TYPE	DISCHARGE PIPE SIZE
RAIN GARDEN	440.00	438.25	438.00	436.50	436.50	M-510	8"



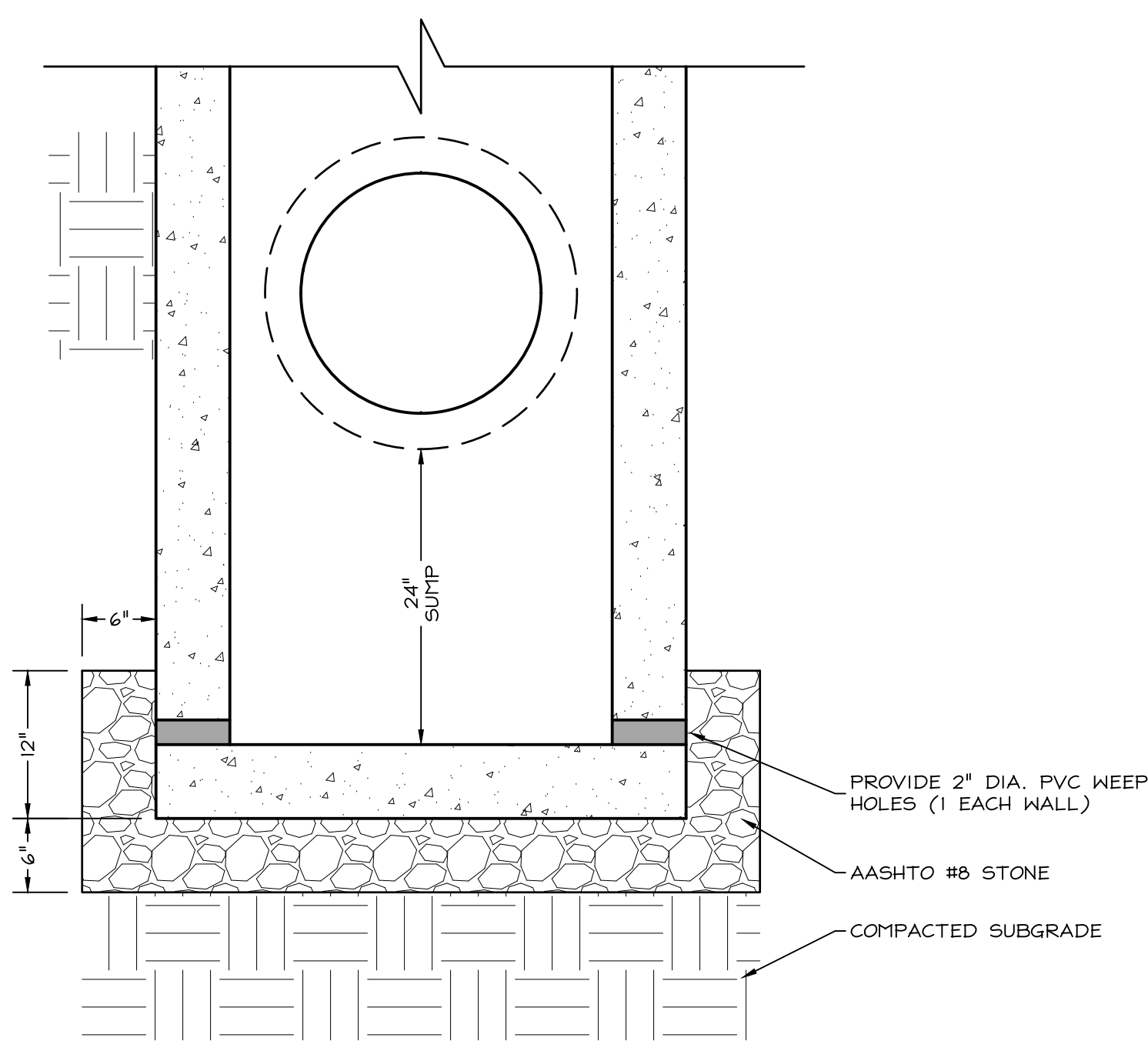
09 RAIN GARDEN
C-502 334100-063-000 SCALE: 1"=1'-0"



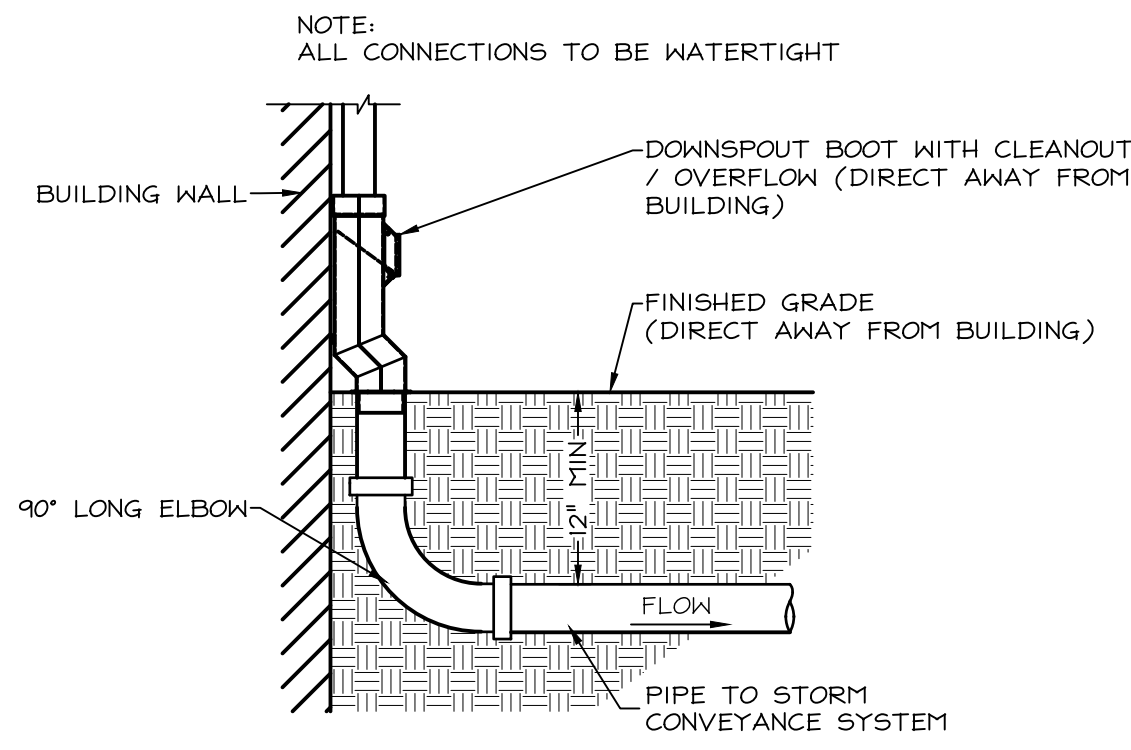
11 TRENCH IN UNPAVED AREA
C-502 334100-049-004 SCALE: 1/2"=1'-0"



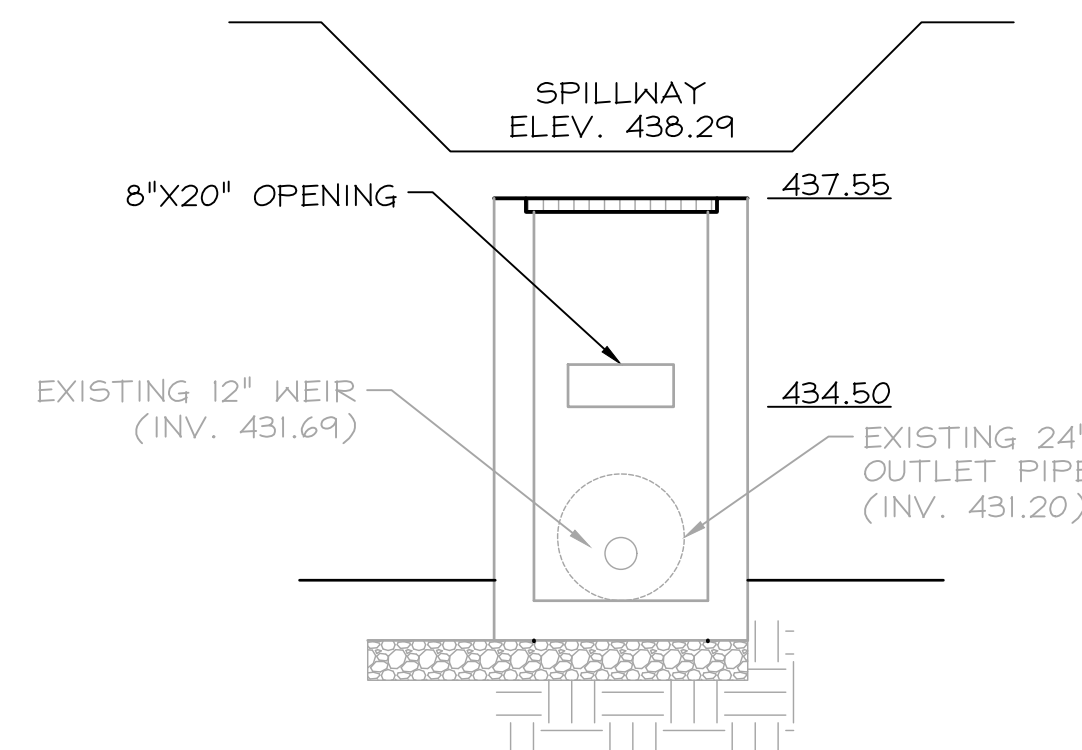
10 TRENCH IN PAVED AREA - STONE BACKFILL
C-502 334100-047-004 SCALE: 1/2"=1'-0"



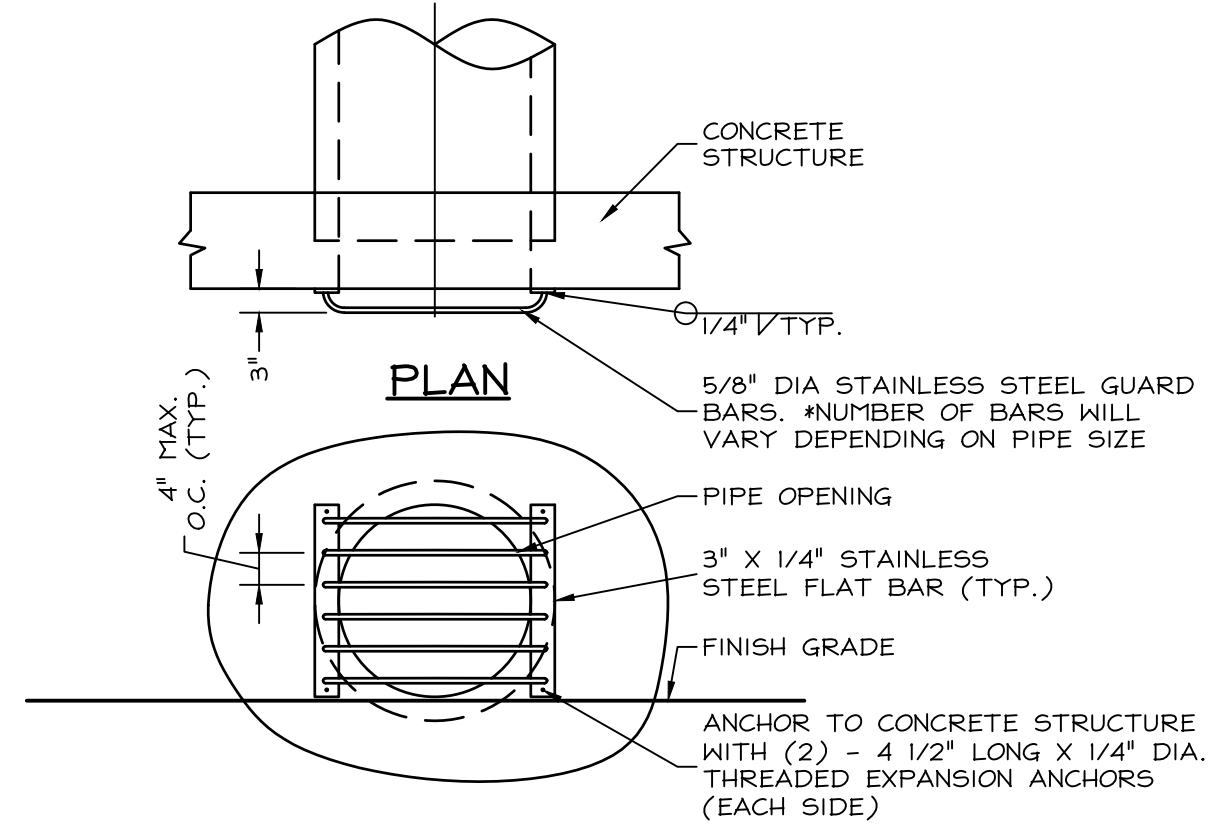
SUMPED INLET BASE (M-20, C-110)
C-502 334100-056-001 SCALE: 1"=1'-0"



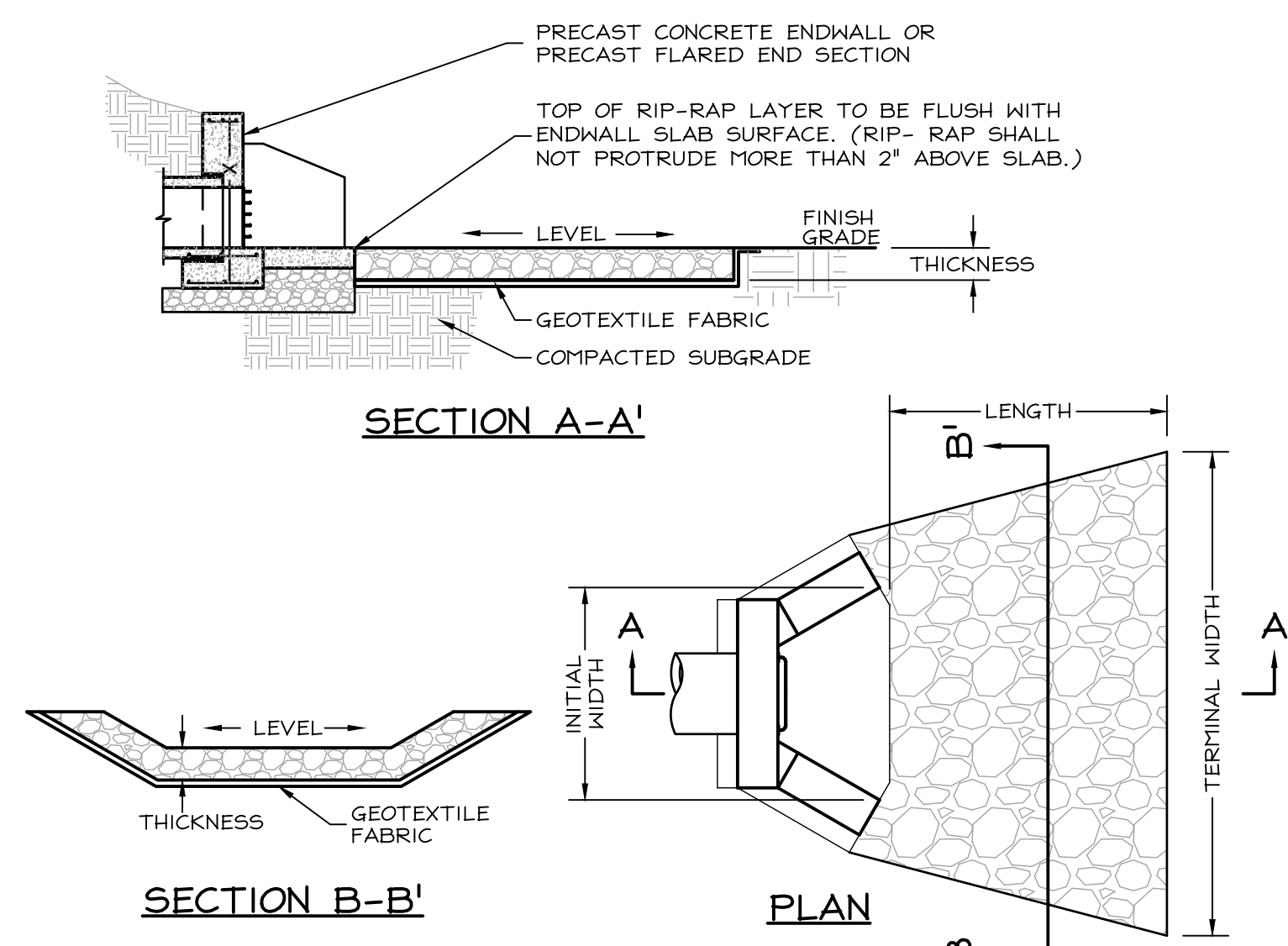
07 RWC CONNECTION TO DOWNSPOUT
C-502 334100-060-001 SCALE: 1"=1'-0"



06 ORIFICE PLATE
C-502 NOT TO SCALE



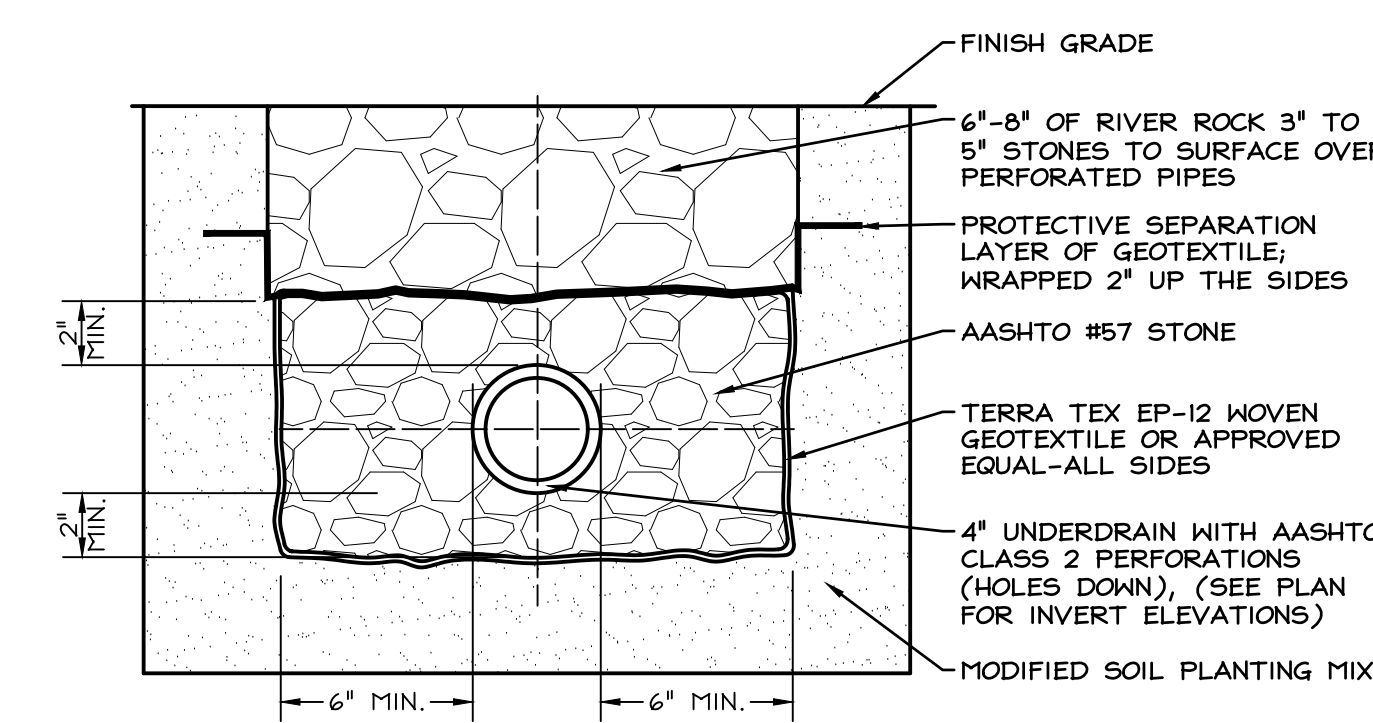
05 GUARD BAR
C-502 334100-024-001 SCALE: 1/2"=1'-0"



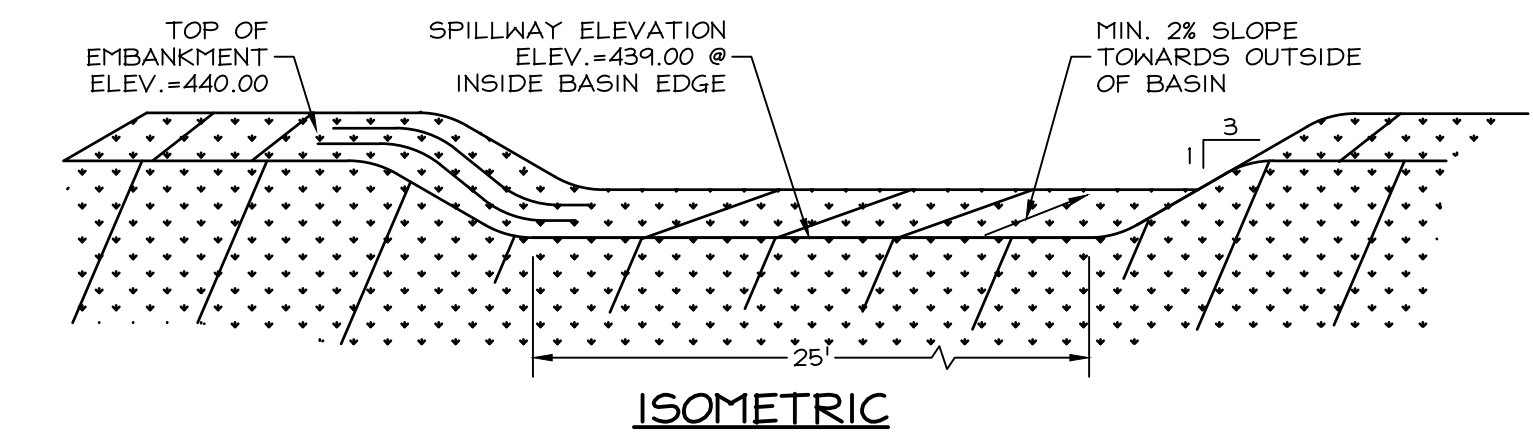
ENDWALL NUMBER	PIPE DIAMETER	SIZE R-...	THICKNESS (IN)	LENGTH (FT)	INITIAL WIDTH (FT)	TERMINAL WIDTH (FT)
EW-10	24	5	27	16	6	22
EW-100	24	5	27	14	6	20
EW-9	30	6	36	18	7.5	25.5

- NOTES:
- ALL APRONS SHALL BE CONSTRUCTED TO THE DIMENSIONS SHOWN, TERMINAL WIDTHS SHALL BE ADJUSTED AS NECESSARY TO MATCH RECEIVING CHANNELS.
 - ALL APRONS SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EACH RUNOFF EVENT, DISPLACED RIPRAP WITHIN THE APRON SHALL BE REPLACED IMMEDIATELY.

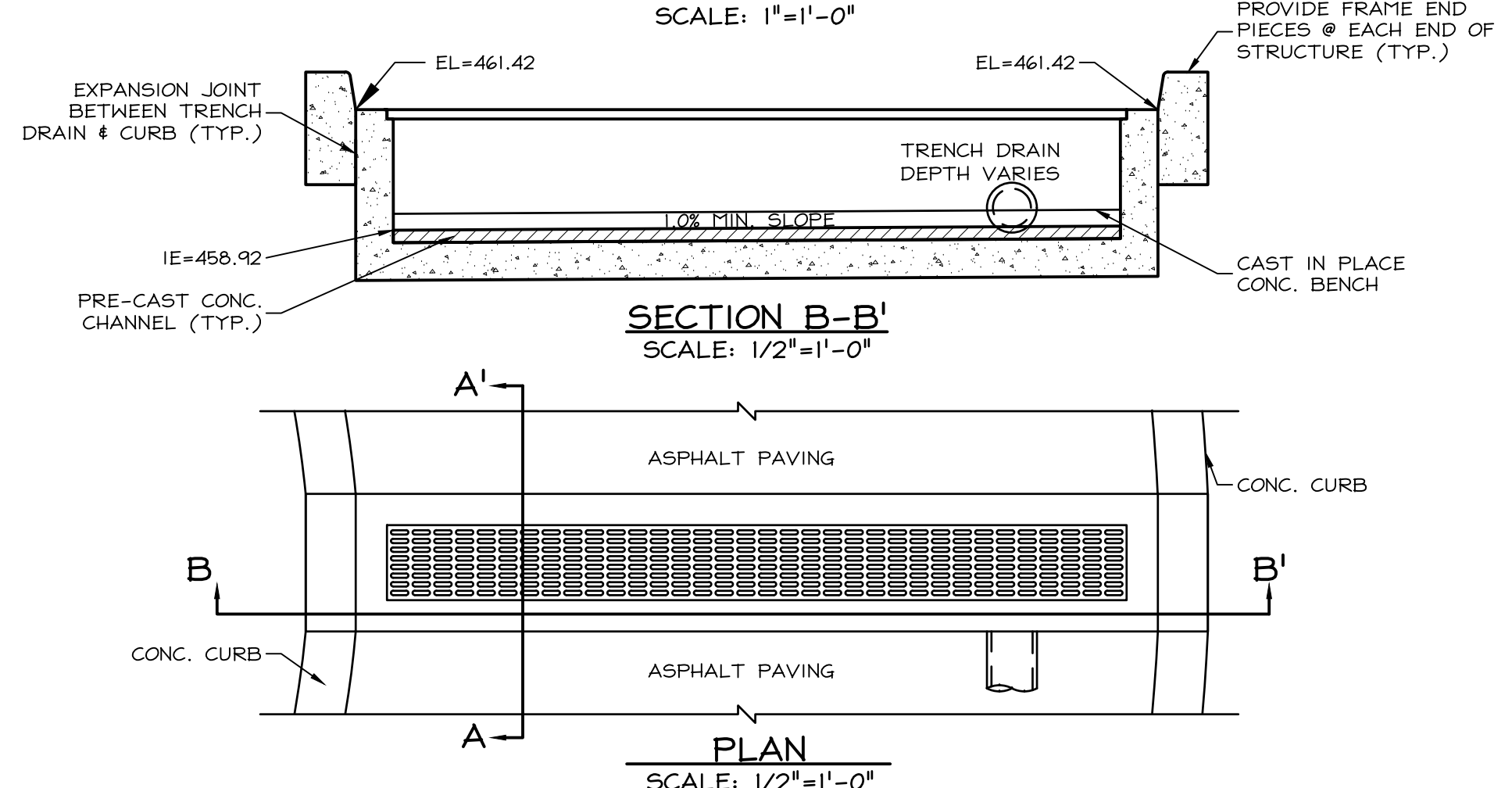
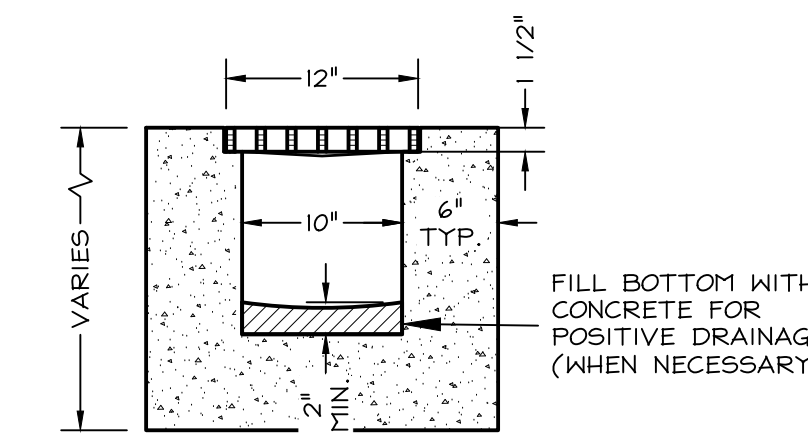
04 RIP RAP OUTLET PROTECTION
C-502 334100-023-004 NOT TO SCALE



03 RAIN GARDEN UNDERDRAIN
C-502 334100-061-000 SCALE: 2"=1'-0"



02 RAIN GARDEN SPILLWAY
C-502 334100-032-001 SCALE: 1/2"=1'-0"



01 HEAVY DUTY PRE-CAST TRENCH DRAIN
C-502 334100-030-003 SCALE: SEE VIEW

RELEASES:

No.	DATE	DESCRIPTION
1	01/05/2023	OF CHANGES
2	02/16/2023	NPDES SUBMISSION
		TOWNSHIP COMMENTS

DATE:	12/15/2022
PROJECT #:	210580
DRAWN BY:	MAIL
PM:	
PC:	SBS

DRAWING NO.

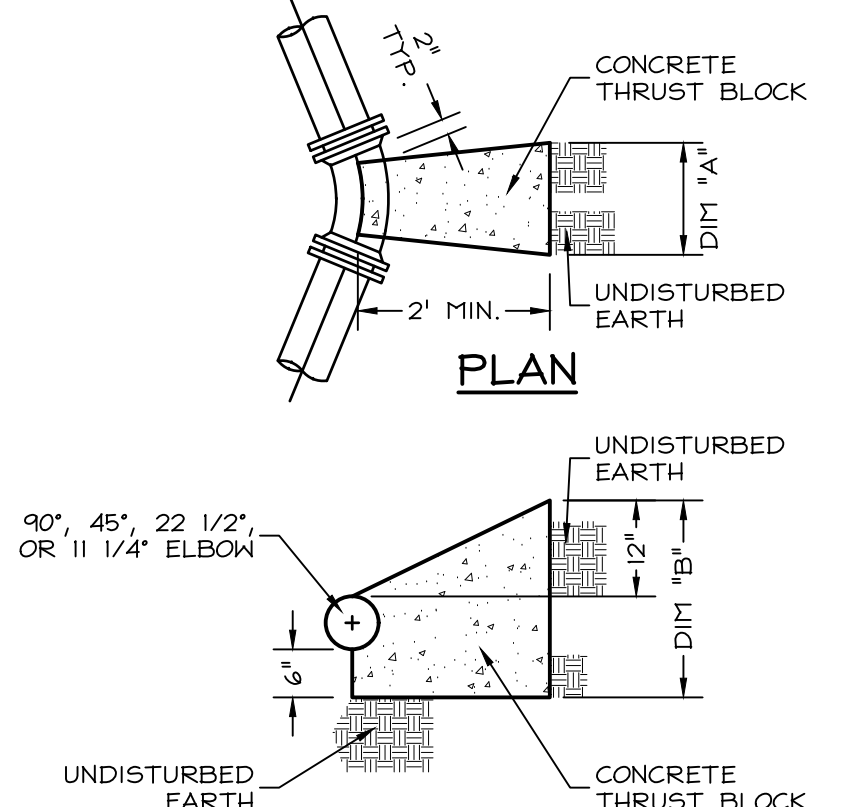
RELEASES:		
No.	DATE	DESCRIPTION OF CHANGES
1	01/05/2023	NPOES SUBMISSION
2	02/16/2023	TOWNSHIP COMMENTS

DATE:	12/12/2022
PROJECT #:	210580
DRAWN BY:	MAIL
PM:	DAM
PIC:	SBS

DRAWING NO. C-503

ELBOW DIMENSION SCHEDULE									
DIM.	6"-90°	12"-90°	4"-45°	12"-45°	6"-22-1/2°	12"-22-1/2°	6"-11-1/4°	12"-11-1/4°	4"-90°
A	52	60	28	86	14	44	8	22	26
B	24	30	24	30	24	30	24	30	24

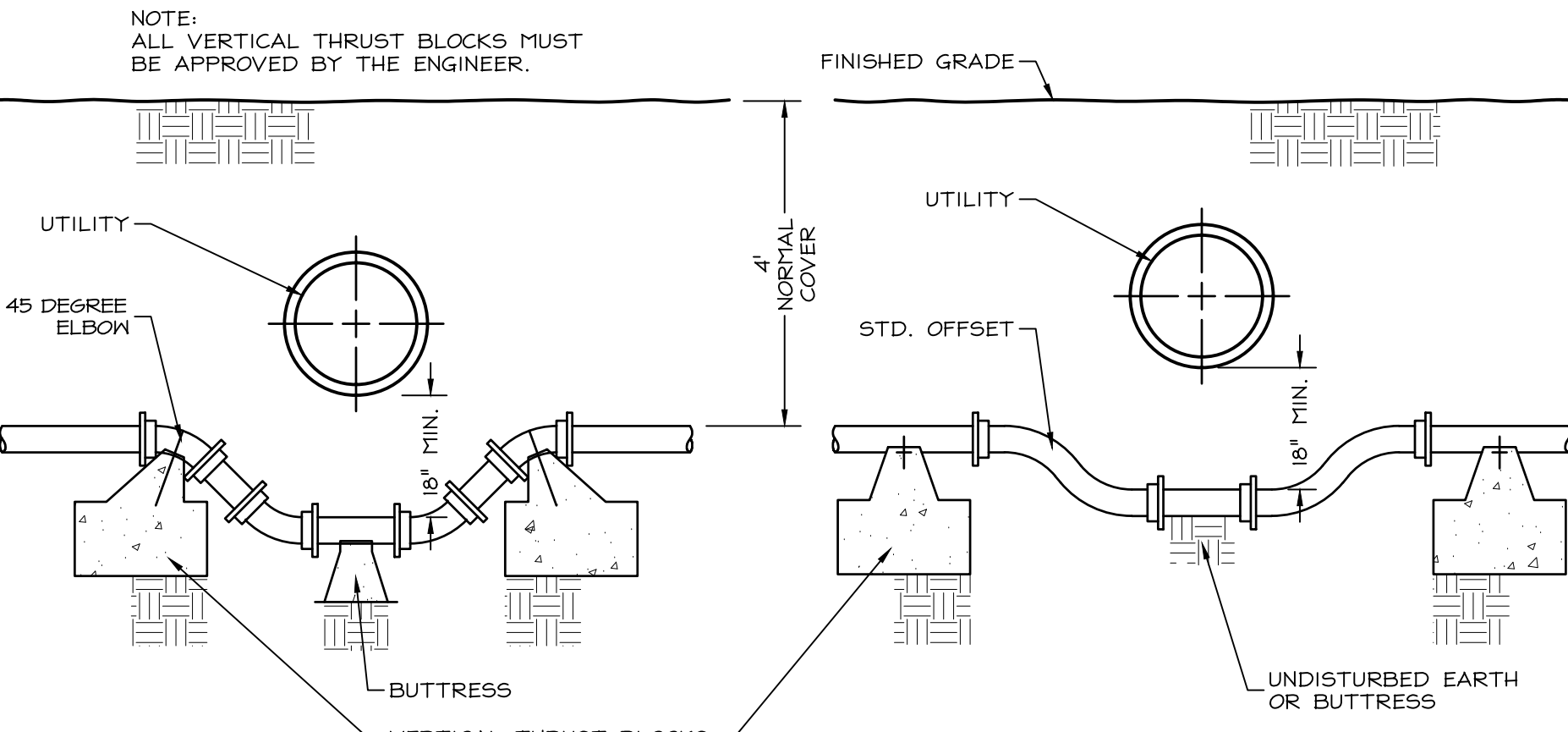
A & B DIMENSIONS ARE IN INCHES



SECTION

HORIZ. RESTRAINT THRUST
BLOCKING - ELBOWS

03
C-503 33116-008-001 SCALE: 1/2"=1'-0"

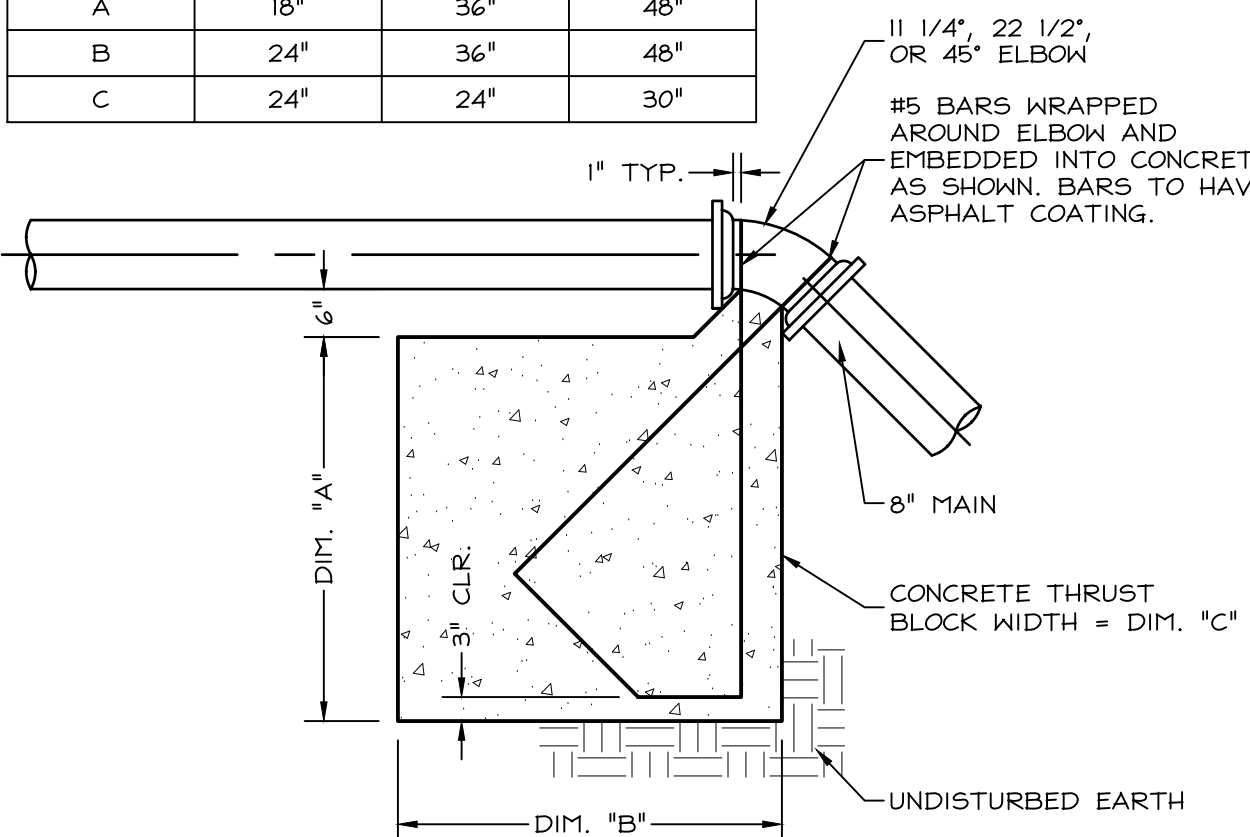


SECTION
(USING ELBOWS)

SECTION
(USING STD. OFFSETS)

02
C-503 33116-004-002 SCALE: 1/2"=1'-0"

THRUST BLOCK DIMENSION SCHEDULE			
DIM.	11 1/4"	22 1/2"	45°
A	18"	36"	48"
B	24"	36"	48"
C	24"	24"	30"

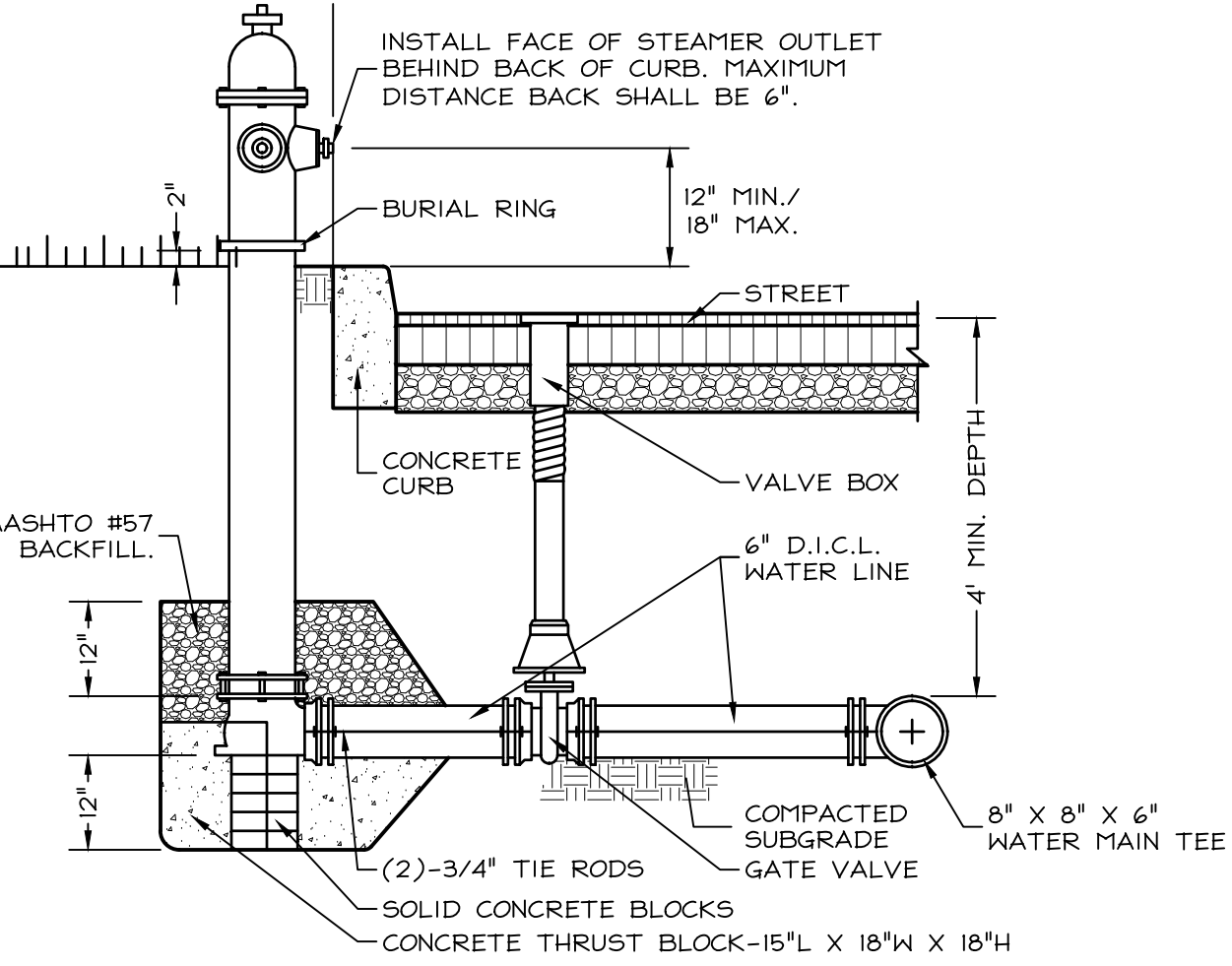


SECTION/ELEVATION

VERTICAL RESTRAINT THRUST BLOCKING
FOR 11-1/4°, 22-1/2°, AND 45° ELBOWS

04
C-503 33116-011-001 SCALE: 1/2"=1'-0"

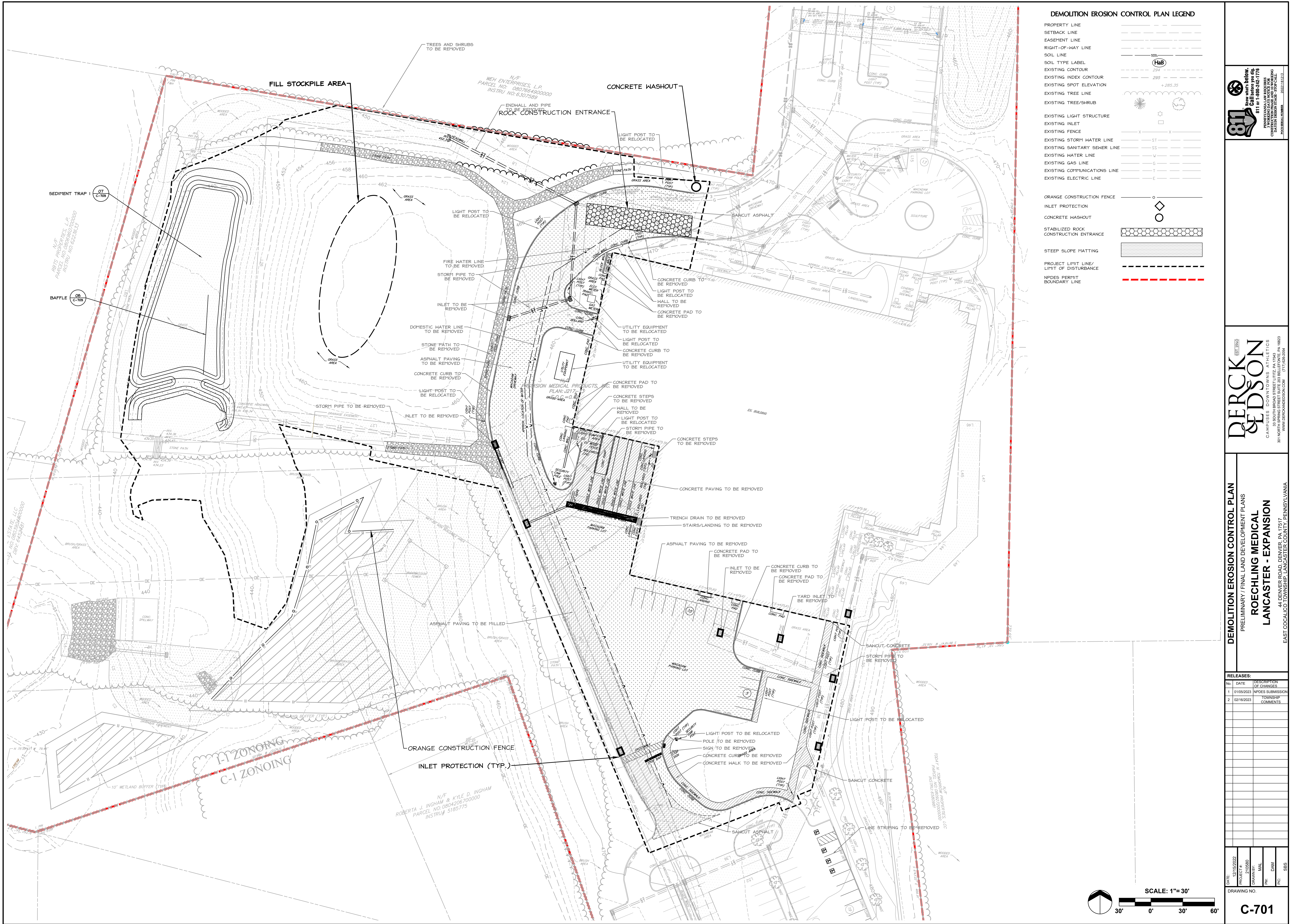
DESIGNER NOTE:
VERIFY CORRECT SETTING IS USED (WITH OR WITHOUT CURB)



SECTION

FIRE HYDRANT SETTING
(WITH CURB)

01
C-503 33116-002-004 SCALE: 1/2"=1'-0"



DEMOLITION EROSION CONTROL PLAN LEGEND

- PROPERTY LINE
SETBACK LINE
EASEMENT LINE
RIGHT-OF-WAY LINE
SOIL LINE
SOIL TYPE LABEL
EXISTING CONTOUR
EXISTING INDEX CONTOUR
EXISTING SPOT ELEVATION
EXISTING TREE/SHRUB
EXISTING LIGHT STRUCTURE
EXISTING INLET
EXISTING FENCE
EXISTING STORM WATER LINE
EXISTING SANITARY SEWER LINE
EXISTING WATER LINE
EXISTING GAS LINE
EXISTING COMMUNICATIONS LINE
EXISTING ELECTRIC LINE
- ORANGE CONSTRUCTION FENCE
INLET PROTECTION
CONCRETE WASHOUT
STABILIZED ROCK
CONSTRUCTION ENTRANCE
STEEP SLOPE MATTING
PROJECT LIMIT LINE/
LIMIT OF DISTURBANCE
NPDES PERMIT
BOUNDARY LINE

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TOWNSHIP OF LANCASTER
COUNTY OF LANCASTER, PA
CONSTRUCTION STAGE STOP CALL
POST SERIAL NUMBER: 2023.15.013

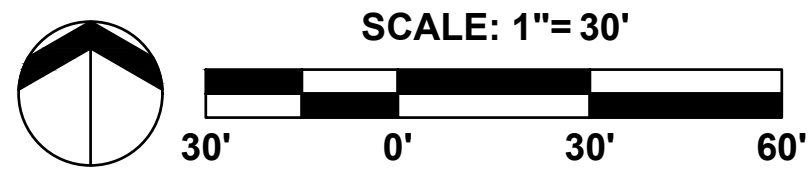
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CAMPUSES DOWNTOWNS ATHLETICS
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501 KATY STREET LITZ PA 17543
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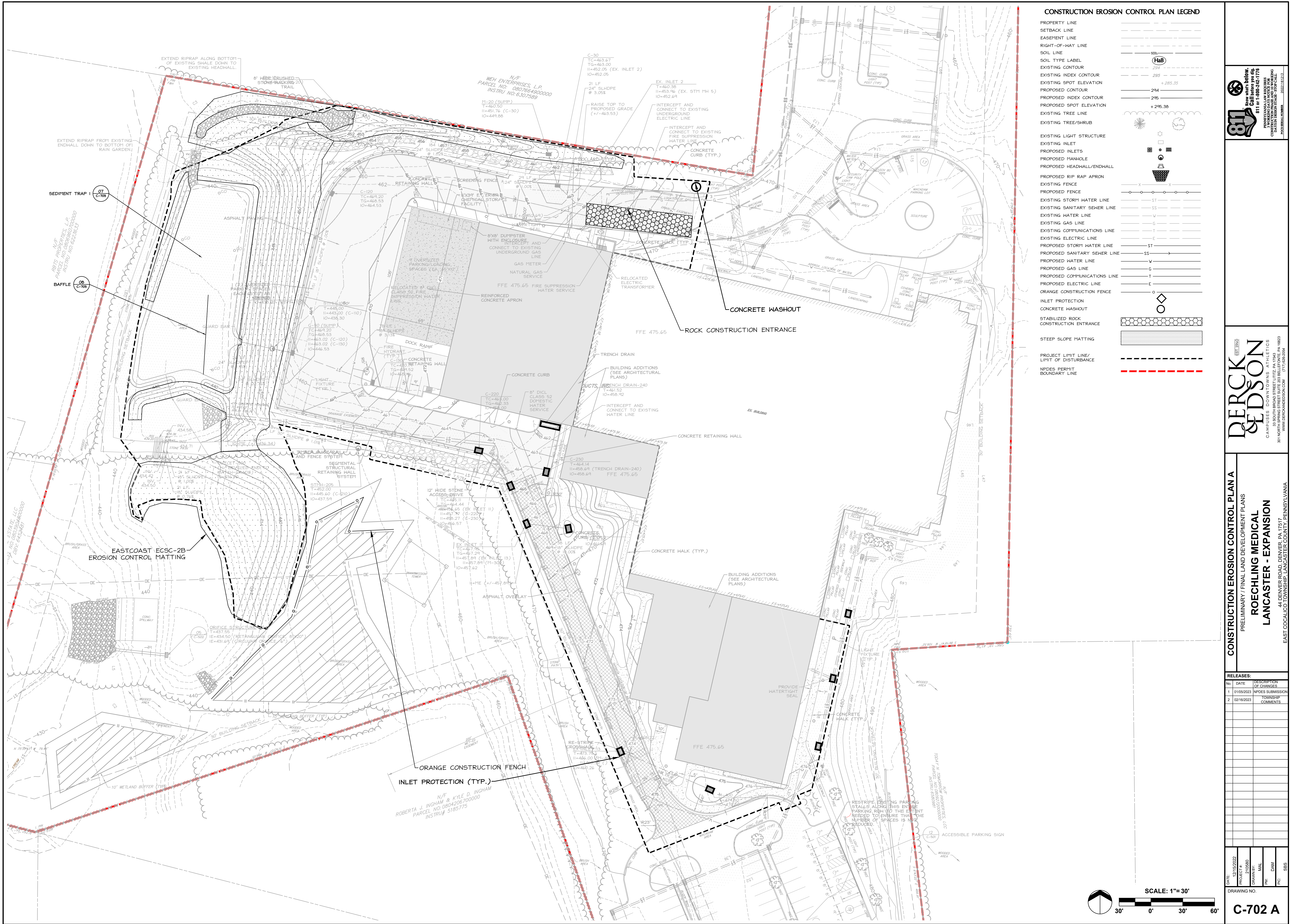
DEMOLITION EROSION CONTROL PLAN
PRELIMINARY / FINAL LAND DEVELOPMENT PLANS
ROECHLING MEDICAL
LANCASTER - EXPANSION
44 DENVER ROAD, DENVER, PA 17517
EAST COCALICO TOWNSHIP, LANCASTER COUNTY, PENNSYLVANIA

RELEASES:		
No.	DATE	DESCRIPTION
1	01/05/2023	OF CHANGES
2	02/16/2023	NPDES SUBMISSION
		TOWNSHIP COMMENTS

DATE: 12/15/2022	PROJECT #: 210590	DRAWN BY: MAL	DATE: 12/15/2022	PROJECT #: 210590	DRAWN BY: MAL
DATE: 12/15/2022	PROJECT #: 210590	DRAWN BY: MAL	DATE: 12/15/2022	PROJECT #: 210590	DRAWN BY: MAL
DATE: 12/15/2022	PROJECT #: 210590	DRAWN BY: MAL	DATE: 12/15/2022	PROJECT #: 210590	DRAWN BY: MAL
DATE: 12/15/2022	PROJECT #: 210590	DRAWN BY: MAL	DATE: 12/15/2022	PROJECT #: 210590	DRAWN BY: MAL

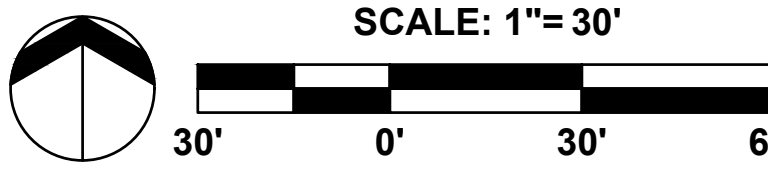
DRAWING NO. C-701





CONSTRUCTION EROSION CONTROL PLAN LEGEND

- PROPERTY LINE
- SETBACK LINE
- EASEMENT LINE
- RIGHT-OF-WAY LINE
- SOIL LINE
- SOIL TYPE LABEL
- EXISTING CONTOUR
- EXISTING INDEX CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED CONTOUR
- PROPOSED INDEX CONTOUR
- PROPOSED SPOT ELEVATION
- EXISTING TREE LINE
- EXISTING TREE/SHRUB
- EXISTING LIGHT STRUCTURE
- EXISTING INLET
- PROPOSED INLETS
- PROPOSED MANHOLE
- PROPOSED HEADWALL/ENDWALL
- PROPOSED RIP RAP APRON
- EXISTING FENCE
- PROPOSED FENCE
- EXISTING STORM WATER LINE
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING COMMUNICATIONS LINE
- EXISTING ELECTRIC LINE
- PROPOSED STORM WATER LINE
- PROPOSED SANITARY SEWER LINE
- PROPOSED WATER LINE
- PROPOSED GAS LINE
- PROPOSED COMMUNICATIONS LINE
- PROPOSED ELECTRIC LINE
- ORANGE CONSTRUCTION FENCE
- INLET PROTECTION
- CONCRETE WASHOUT
- STABILIZED ROCK
- CONSTRUCTION ENTRANCE
- STEEP SLOPE MATTING
- PROJECT LIMIT LINE/LIMIT OF DISTURBANCE
- NIDES PERMIT BOUNDARY LINE



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PRELIMINARY / FINAL LAND DEVELOPMENT PLANS
ROECHLING MEDICAL
LANCASTER - EXPANSION

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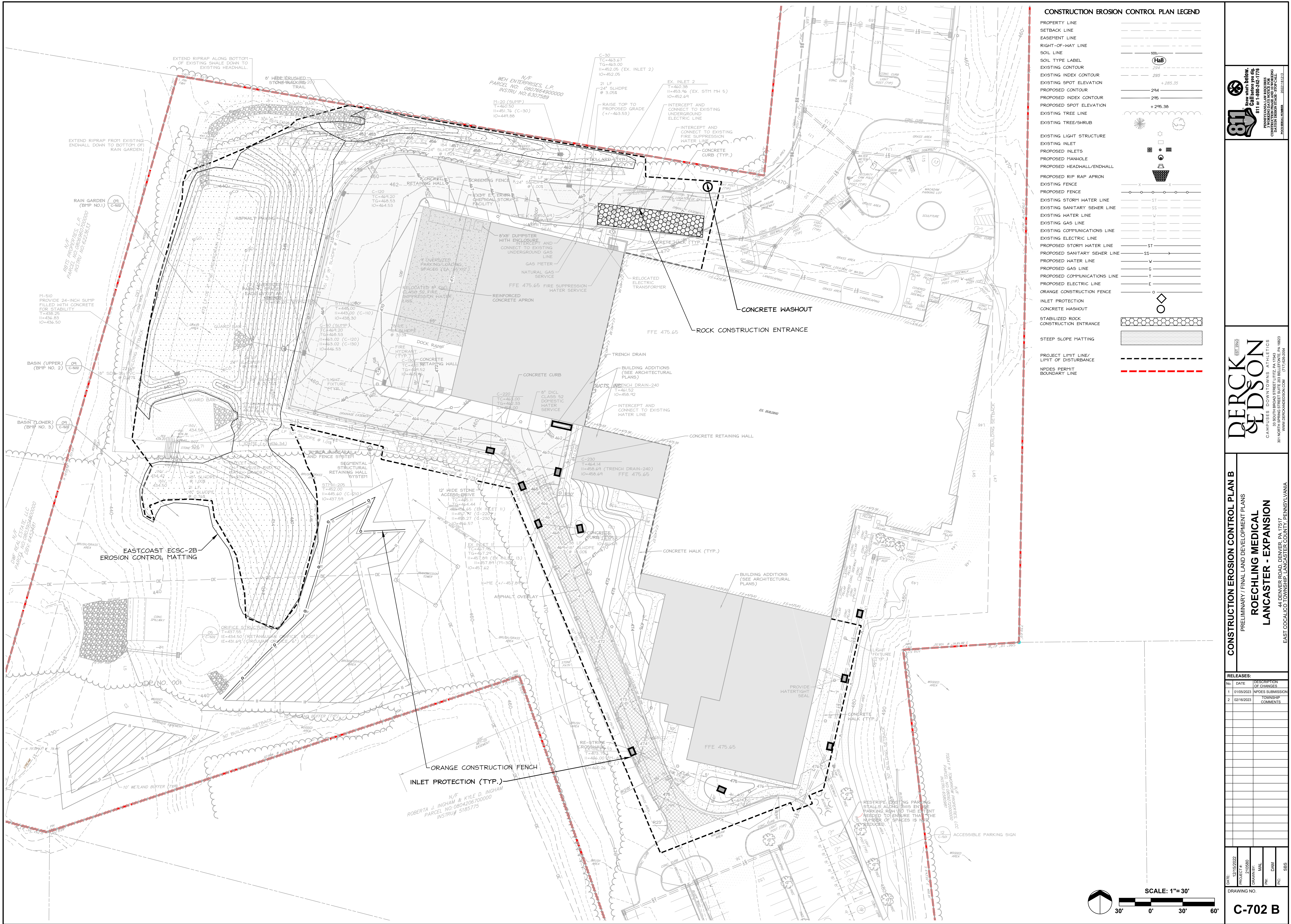
CONSTRUCTION EROSION CONTROL PLAN A

PRELIMINARY / FINAL LAND DEVELOPMENT PLANS
ROECHLING MEDICAL
LANCASTER - EXPANSION

44 DENVER ROAD, DENVER, PA 15717
EAST COCALICO TOWNSHIP, LANCASTER COUNTY, PENNSYLVANIA

RELEASES:		
No.	DATE	DESCRIPTION
1	01/05/2023	OF CHANGES
2	02/16/2023	NIDES SUBMISSION
		TOWNSHIP COMMENTS

DATE:	12/15/2022
PROJECT #:	210560
DRAWN BY:	MAIL
PN:	DAM
PC:	SBS
DRAWING NO.:	C-702 A



CONSTRUCTION EROSION CONTROL PLAN LEGEND

- PROPERTY LINE
SETBACK LINE
EASEMENT LINE
RIGHT-OF-WAY LINE
SOIL LINE
SOIL TYPE LABEL
EXISTING CONTOUR
EXISTING INDEX CONTOUR
EXISTING SPOT ELEVATION
PROPOSED CONTOUR
PROPOSED INDEX CONTOUR
PROPOSED SPOT ELEVATION
EXISTING TREE LINE
EXISTING TREE/SHRUB
EXISTING LIGHT STRUCTURE
EXISTING INLET
PROPOSED INLETS
PROPOSED MANHOLE
PROPOSED HEADWALL/ENDWALL
PROPOSED RIP RAP APRON
EXISTING FENCE
PROPOSED FENCE
EXISTING STORM WATER LINE
EXISTING SANITARY SEWER LINE
EXISTING WATER LINE
EXISTING GAS LINE
EXISTING COMMUNICATIONS LINE
EXISTING ELECTRIC LINE
PROPOSED STORM WATER LINE
PROPOSED SANITARY SEWER LINE
PROPOSED WATER LINE
PROPOSED GAS LINE
PROPOSED COMMUNICATIONS LINE
PROPOSED ELECTRIC LINE
ORANGE CONSTRUCTION FENCE
INLET PROTECTION
CONCRETE WASHOUT
STABILIZED ROCK
CONSTRUCTION ENTRANCE
STEEP SLOPE MATTING
PROJECT LIMIT LINE/
LIMIT OF DISTURBANCE
NPDES PERMIT
BOUNDARY LINE

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CONSTRUCTION STAKE SETTING
POST SERIAL NUMBER

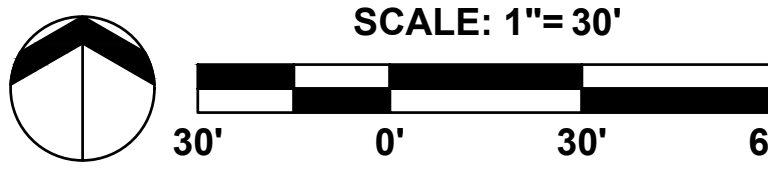
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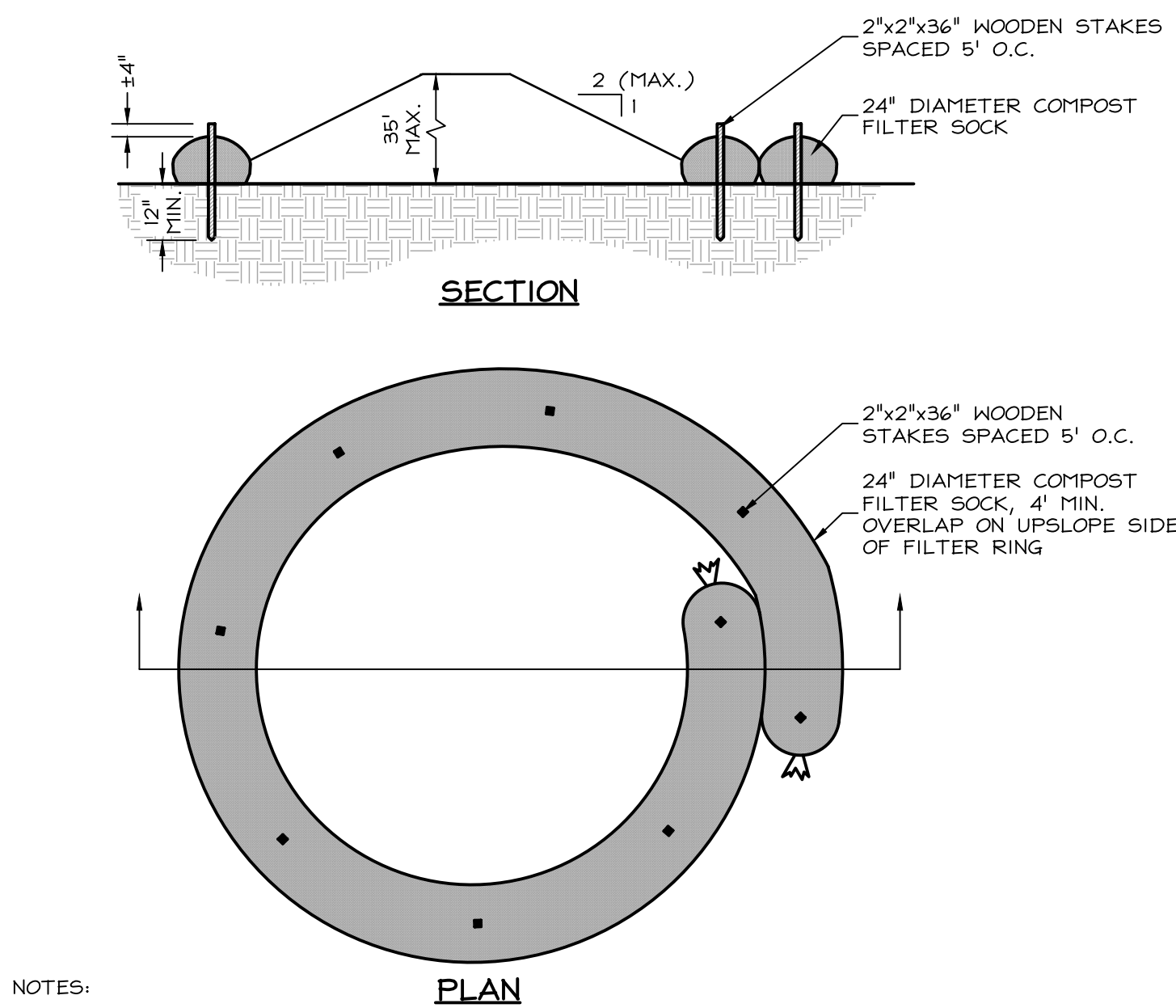
CONSTRUCTION EROSION CONTROL PLAN B
PRELIMINARY / FINAL LAND DEVELOPMENT PLANS
ROECHLING MEDICAL
LANCASTER - EXPANSION
44 DENVER ROAD, DENVER, PA 17517
EAST COCALICO TOWNSHIP LANCASTER COUNTY, PENNSYLVANIA

RELEASES:		
No.	DATE	DESCRIPTION
1	01/05/2023	OF CHANGES
2	02/16/2023	NPDES SUBMISSION
		TOWNSHIP COMMENTS

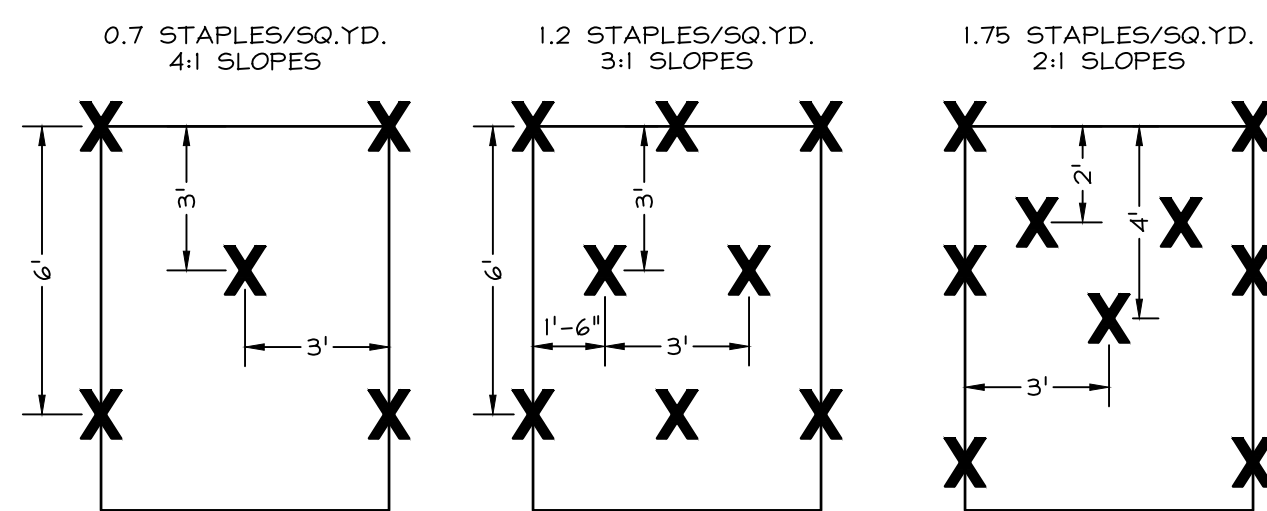
DATE	12/15/2022
PROJECT #	210560
DRAWN BY	MAIL
PN	DAM
PC	SBS
DRAWING NO.	

C-702 B



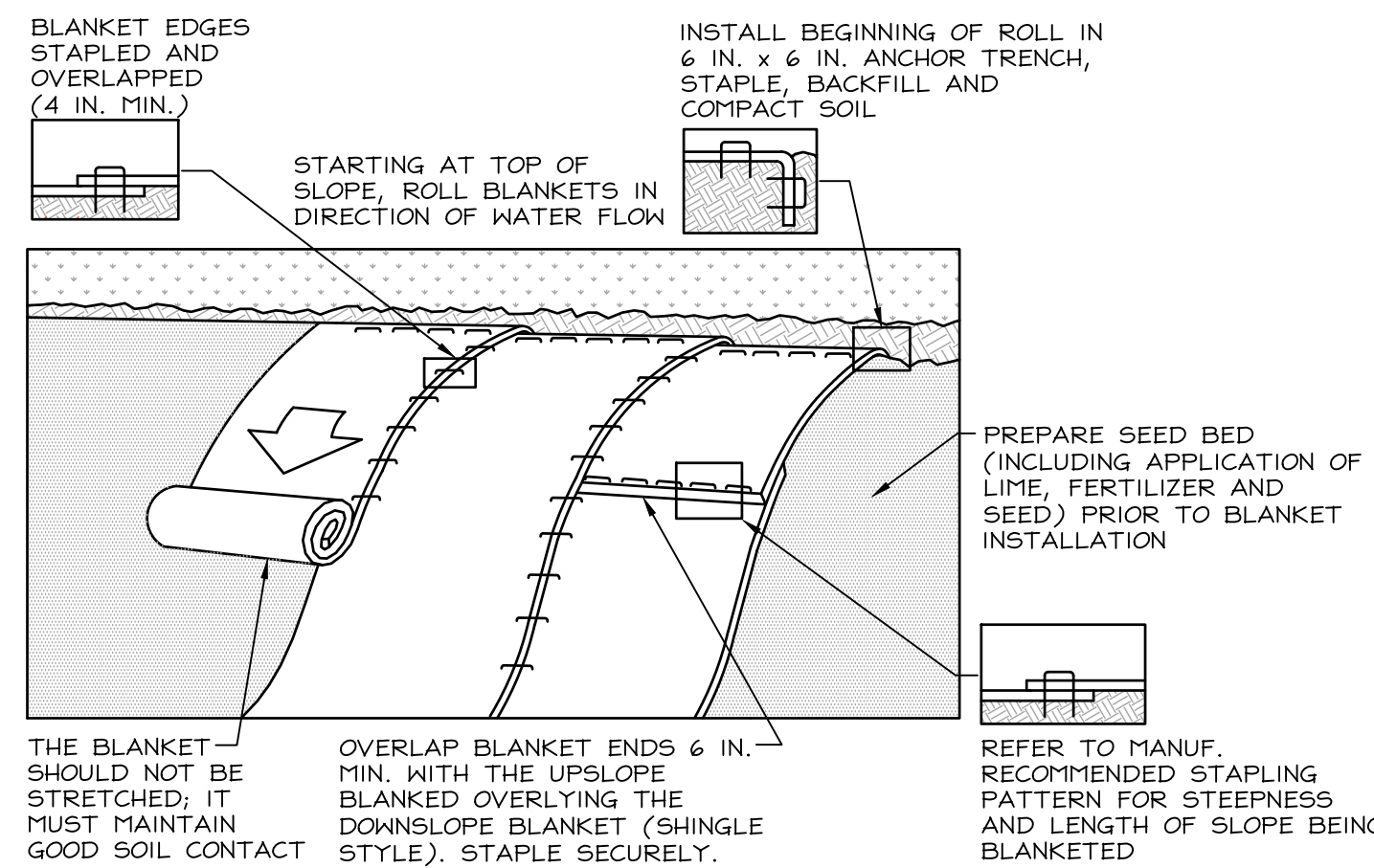


05
C-704 OFFSITE STOCKPILE INSTALLATION
SCALE: 1/4"=1'-0"

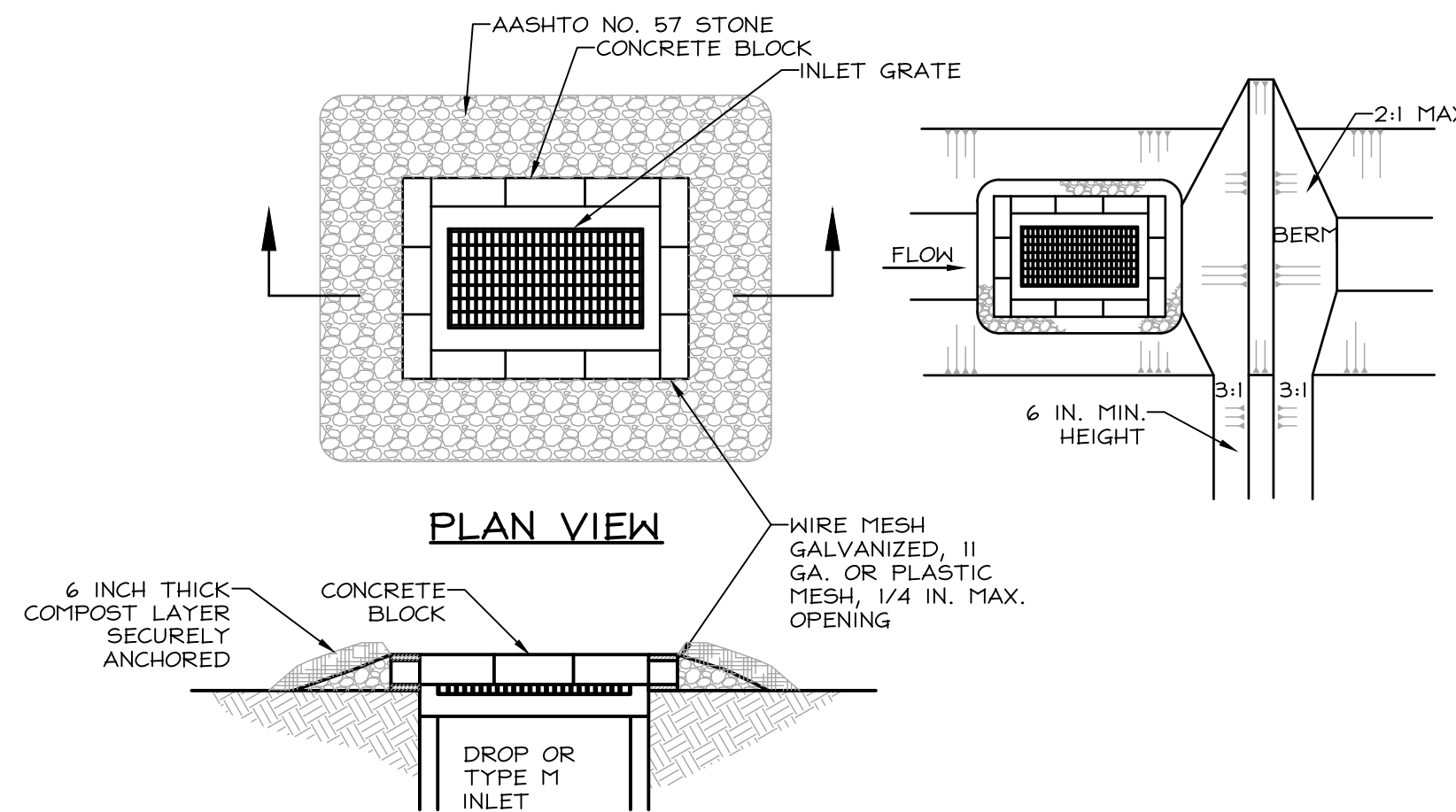


NOTES:
THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

04
C-704 EROSION CONTROL BLANKET STAPLE PATTERN
NOT TO SCALE

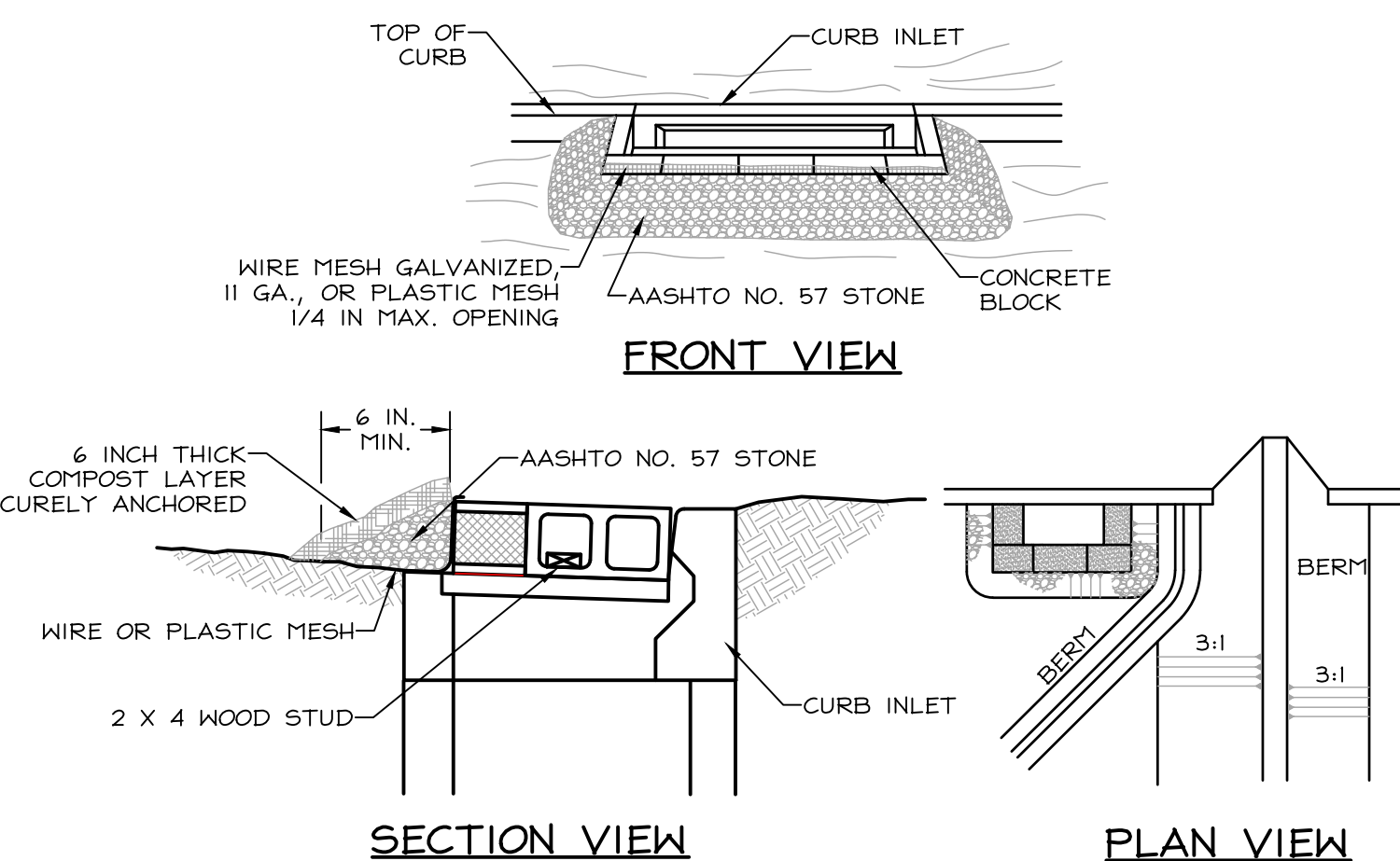


03
C-704 STANDARD CONSTRUCTION DETAIL #11-1
EROSION CONTROL BLANKET INSTALLATION
NOT TO SCALE



NOTES:
MAXIMUM DRAINAGE AREA = 1 ACRE.
INLET PROTECTION SHALL NOT BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS NOT LOCATED AT A LOW POINT.
ROLLED EARTHEN BERM IN ROADWAY SHALL BE PROVIDED AND MAINTAINED IMMEDIATELY DOWN GRADIENT OF THE PROTECTED INLET UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM ON ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. EARTHEN BERM IN CHANNEL SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION IS COMPLETED OR TO REMAIN PERMANENTLY.
TOP OF BLOCK SHALL BE AT LEAST 6 INCHES BELOW ADJACENT ROADS IF PONDED WATER WOULD POSE A SAFETY HAZARD TO TRAFFIC.
SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE HEIGHT OF THE STONE. DAMAGED OR CLOGGED INSTALLATIONS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.
6 INCH THICK COMPOST LAYER SHALL BE SECURELY ANCHORED ON OUTSIDE AND OVER TOP OF STONE. WIRE MESH SHALL MEET THE STANDARDS IN TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.

02
C-704 ABACT STONE AND CONCRETE BLOCK
INLET PROTECTION - TYPE M INLET
NOT TO SCALE



NOTES:
MAXIMUM DRAINAGE AREA = 1 ACRE.
INLET PROTECTION SHALL NOT BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS.
ROLLED EARTHEN BERM SHALL BE PROVIDED AND MAINTAINED IMMEDIATELY DOWN GRADIENT OF THE PROTECTED INLET UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. SIX INCH MINIMUM HEIGHT ASPHALT BERM SHALL BE MAINTAINED UNTIL ROADWAY SURFACE RECEIVES FINAL COAT.
SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE HEIGHT OF THE STONE. DAMAGED OR CLOGGED INSTALLATIONS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.
A 6 INCH THICK COMPOST LAYER SHALL BE SECURELY ANCHORED ON OUTSIDE AND OVER TOP OF STONE.
DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

01
C-704 ABACT STONE AND CONCRETE BLOCK
INLET PROTECTION - TYPE C INLET
NOT TO SCALE

RELEASES:		
No.	DATE	DESCRIPTION OF CHANGES
1	01/05/2023	NPDES SUBMISSION
2	02/16/2023	TOWNSHIP COMMENTS

DATE:	12/15/2022	PROJECT #:	210580	DRAWN BY:	MAIL	DAM	SBS
PIC:							

DRAWING NO.

C-704