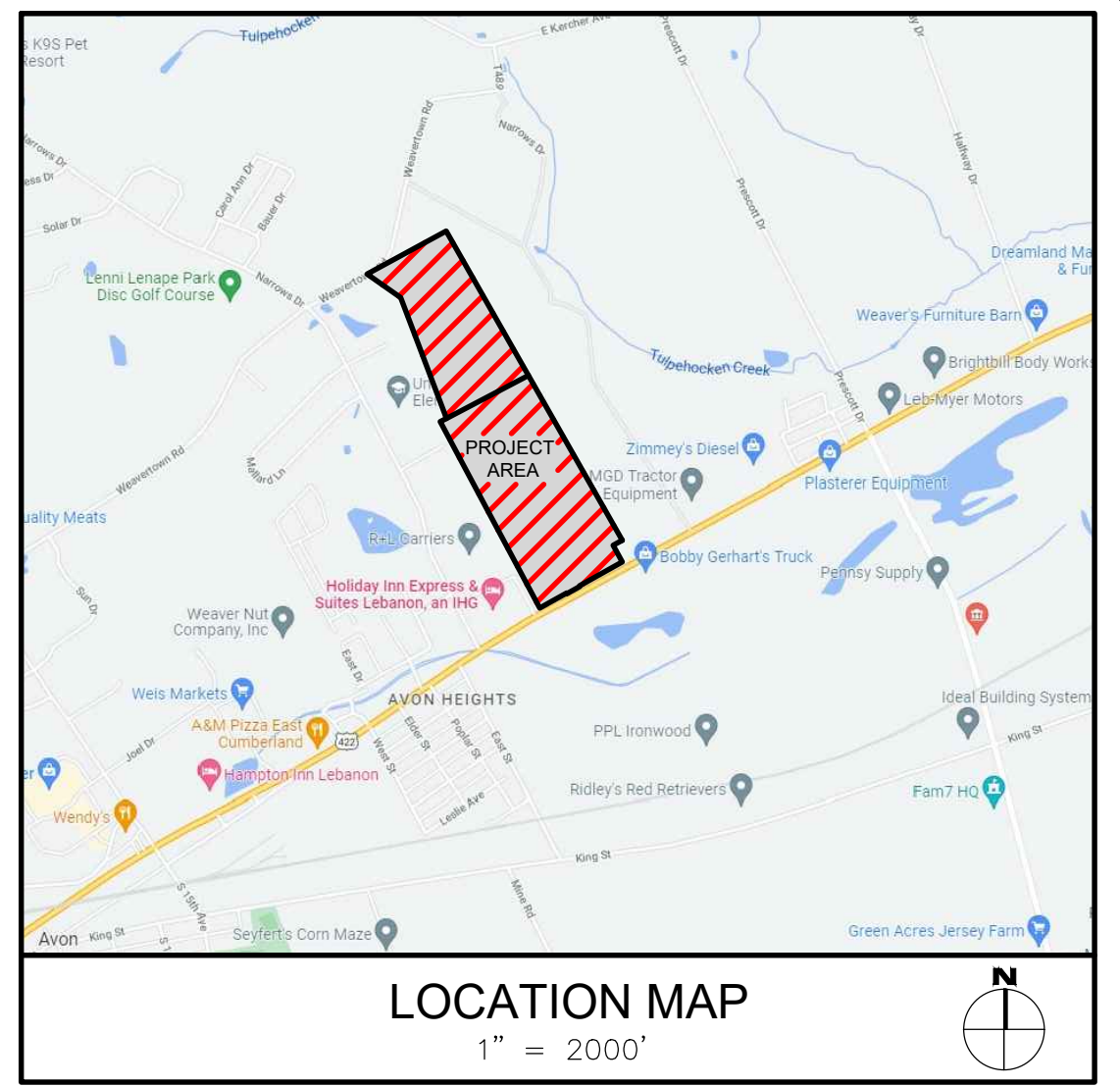


# PRELIMINARY/FINAL LAND DEVELOPMENT PLAN FOR NLT WAREHOUSE AND TRAILER STORAGE OWNER: INCH'S PROPERTIES, LLC

LOCATED IN  
NORTH LEBANON TOWNSHIP  
LEBANON COUNTY, PENNSYLVANIA  
AUGUST 8, 2022



**OWNER**  
KR&S REALTY LTD  
1800 MILL ROAD  
LEBANON, PA 17042

**SOURCE OF TITLE**  
DEED BOOK: 2030 PAGE: 5352  
PARCEL: 27-2352557-376465  
ACRES: 55.19 ACRES

DEED BOOK: 2091 PAGE: 4724  
PARCEL: 27-2351679-378229  
ACRES: 35.18 ACRES

**EQUITABLE OWNER**  
INCH'S PROPERTIES, LLC  
2950 LEWISBERRY ROAD  
YORK, PA 17404  
CONTACT: ADAM WHALEN  
717-755-1565

**ZONING COMPLIANCE CHART**  
ZONING DISTRICT: "I" INDUSTRIAL ZONING DISTRICT

LOT AREA	REQUIRED
200'	5 ACRES
LOT WIDTH	200'
LOT COVERAGE	50%
FRONT YARD SETBACK	100'
SIDE YARD SETBACK	20' (EACH SIDE)
REAR YARD SETBACK	30'
BUILDING HEIGHT	75'

**SITE DATA**  
SITE AREA: EXISTING: 90.37 AC.  
SITE ZONING: INDUSTRIAL (I)  
EXISTING USE: AGRICULTURAL  
PROPOSED USE: WAREHOUSE & TRAILER STORAGE  
SOURCE OF WATER: PUBLIC  
SOURCE OF SEWER: PUBLIC  
SITE ADDRESS: 2225 E CUMBERLAND STREET, LEBANON, PA 17042

**PARKING DATA**  
NORTH LEBANON TOWNSHIP  
MIN. LOADING & UNLOADING SPACE DIMENSIONS - 12'x55' (660s.f.)  
EMPLOYEES: 300

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:  
(1) 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.  
(2) 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.  
(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.  
(4) 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 TOWNSHIP LEBANON COUNTY ID NO. 20220833196.



SERIAL NUMBER: 20220833196 NORTH LEBANON TWP)  
DATE: 03/24/2022

AND STECKBECK ENGINEERING & SURVEYING, INC. DOES NOT MAKE ANY REPRESENTATION, WARRANTY, ASSURANCE OR GUARANTEE THAT THE INFORMATION RECEIVED PURSUANT TO SAID REQUEST AND AS REFLECTED ON THESE DRAWINGS IS CORRECT OR ACCURATE, BUT STECKBECK ENGINEERING & SURVEYING, INC. IS REFLECTING SAID INFORMATION ON THESE DRAWINGS ONLY DUE TO THE REQUIREMENTS OF THE SAID ACT 187, DECEMBER 19, 1996.

CITY OF LEBANON AUTHORITY  
2911 RIDGEVIEW ROAD  
LEBANON, PA 17042  
CONTACT - BOB SELLTZ  
BSSELLTZ@LEBANONAUTHORITY.ORG

NORTH LEBANON TOWNSHIP  
729 WIMMERLING ROAD  
LEBANON, PA 17046  
CONTACT - OFFICE PERSONNEL  
(MOLLY, ERIKA OR THERESA)

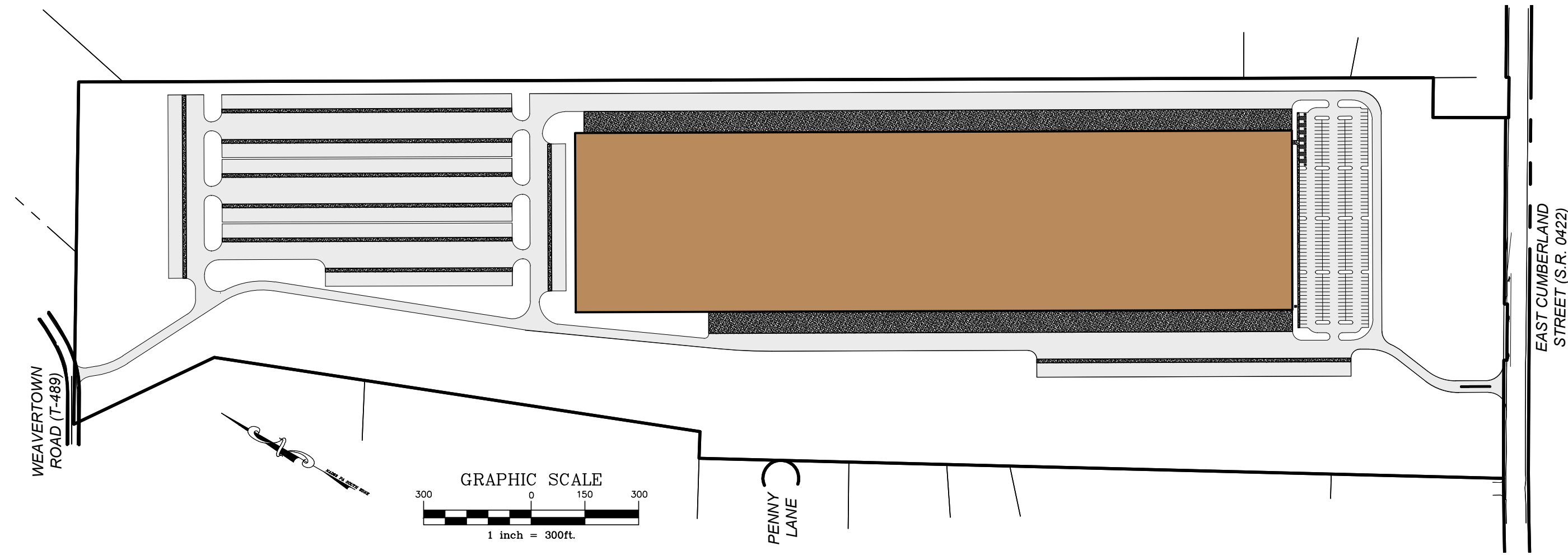
VERIZON PENNSYLVANIA LLC  
1028 HAY STREET  
PITTSBURGH, PA 15221  
CONTACT - DEBORAH BARUM  
dbarum@verizon.com

WINDSTREAM  
1450 CENTER POINT ROAD  
HAWTHORNE, IA 52233  
CONTACT - LOCATE DESK PERSONNEL  
locate.desk@windstream.com

UGI UTILITIES INC  
1301 48TH DR  
MIDDLETOWN, PA 17057  
CONTACT - STEPHEN BATEMAN  
sbateman@ug.com

FIRST ENERGY PENELEC  
21 S. MAIN STREET  
AKRON, OH 44308  
CONTACT - CARA WARREN  
CARAWARREN@FIRSTENERGYCORP.COM

TEXAS EASTERN/SPECTRA  
SUITE 400  
2613 MARKET PLACE  
HARRISBURG, PA 17110  
CONTACT - RYAN LIMBATS  
Ryan.Limbats@spectraenergy.com



**SESI**  
Steckbeck Engineering & Surveying, Inc.  
279 North Zimms Mill Road / Suite A  
Lebanon, Pennsylvania 17042  
Phone: (717) 272-7110  
Fax: (717) 272-7348

**BMP/OUTFALL LOCATIONS**

BMP	LATITUDE	LONGITUDE
Basin 1	40°21'57.00"	76°22'30.22"
Basin 2	40°21'51.24"	76°22'25.76"
Basin 3	40°21'21.82"	76°22'11.48"

**PURPOSE OF PLAN**  
1. THE PURPOSE OF THIS PLAN IS TO CONSTRUCT A 1,000,000 SQ.FT. WAREHOUSE AND TRAILER STORAGE FACILITY WITH RELATED ASSOCIATED STORM WATER MANAGEMENT FACILITIES.

**LIST OF DRAWINGS:**

Sheet Number	Sheet Title
1	COVER SHEET
2	NOTES
3	OVERALL EXISTING CONDITIONS PLAN
4	EXISTING CONDITIONS PLAN
5	EXISTING CONDITIONS
6	EXISTING CONDITIONS
7	OVERALL LAYOUT PLAN
8	LAYOUT PLAN
9	LAYOUT PLAN
10	LAYOUT PLAN
11	OVERALL EASEMENT PLAN
12	EASEMENT PLAN
13	EASEMENT PLAN
14	EASEMENT PLAN
15	OVERALL POST CONSTRUCTION STORMWATER MANAGEMENT PLAN
16	POST CONSTRUCTION STORMWATER MANAGEMENT PLAN
17	POST CONSTRUCTION STORMWATER MANAGEMENT PLAN
18	POST CONSTRUCTION STORMWATER MANAGEMENT PLAN
19	POST CONSTRUCTION STORMWATER MANAGEMENT NOTES
20	POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS
21	POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS
22	POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS
23	POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS
24	OVERALL GRADING PLAN
25	GRADING PLAN
26	GRADING PLAN
27	GRADING PLAN
28	OVERALL UTILITY PLAN
29	UTILITY PLAN
30	UTILITY PLAN
31	UTILITY PLAN
32	OVERALL LANDSCAPING PLAN
33	LANDSCAPING PLAN
34	LANDSCAPING PLAN
35	LANDSCAPING PLAN
36	OVERALL LIGHTING PLAN
37	LIGHTING PLAN
38	LIGHTING PLAN
39	LIGHTING PLAN
40	PROFILES (MAIN ACCESS-NORTHERN ENTRANCE-STORMWATER)
41	PROFILES (STORMWATER)
42	PROFILES (STORMWATER)
43	PROFILES (STORMWATER)
44	PROFILES (STORMWATER)
45	PROFILES (STORMWATER)
46	PROFILES (SANITARY SEWER)
47	SITE DETAILS
48	SITE DETAILS
49	SEWER DETAILS
50	WATER DETAILS
51	OVERALL EROSION AND SEDIMENT POLLUTION CONTROL PLAN
52	EROSION AND SEDIMENT POLLUTION CONTROL PLAN
53	EROSION AND SEDIMENT POLLUTION CONTROL PLAN
54	EROSION AND SEDIMENT POLLUTION CONTROL PLAN
55	EROSION AND SEDIMENT POLLUTION CONTROL NOTES
56	EROSION AND SEDIMENT POLLUTION CONTROL DETAILS

**OWNERS CERTIFICATION AND ACKNOWLEDGMENT**  
COMMONWEALTH OF PENNSYLVANIA )  
COUNTY OF \_\_\_\_\_ )

ON THIS, THE \_\_\_\_\_ DAY OF \_\_\_\_\_, 2022, BEFORE ME, A NOTARY PUBLIC, THE UNDERSIGNED OFFICER, PERSONALLY APPEARED \_\_\_\_\_ KNOWN TO ME (OR SATISFACTORILY PROVEN) TO BE THE PERSON(S) WHO BEING DULY SWORN ACCORDING TO LAW, DEPOSE AND SAY THAT HE/THEY ARE THE OWNERS OF THE PROPERTY SHOWN ON THIS PLAN, THAT THE PLAN THEREOF WAS MADE AT HIS/THEIR DIRECTION, THAT HE/THEY ACKNOWLEDGE THE SAME TO BE HIS/THEIR ACT AND PLAN AND DESIRES THE SAME TO BE RECORDED, AND THAT ALL STREETS AND OTHER PROPERTY IDENTIFIED AS PROPOSED PUBLIC PROPERTY (EXCEPTING THOSE AREAS LABELED "NOT FOR DEDICATION") ARE HEREBY DEDICATED TO PUBLIC USE.

Name/Title \_\_\_\_\_ DATE \_\_\_\_\_  
Company \_\_\_\_\_

NOTARY PUBLIC

**LEBANON COUNTY PLANNING DEPARTMENT**

REVIEWED \_\_\_\_\_ DATE \_\_\_\_\_

**CERTIFICATION OF PLAN ACCURACY**  
I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, THE PLAN SHOWN AND DESCRIBED HEREON IS TRUE AND CORRECT TO THE ACCURACY REQUIRED BY THE NORTH LEBANON TOWNSHIP SUBDIVISION AND LAND DEVELOPMENT ORDINANCE AND THE NORTH LEBANON TOWNSHIP STORMWATER MANAGEMENT ORDINANCE.

I, STEPHEN A. SHERK, CERTIFY THAT THE PROPOSED DETENTION BASIN IS UNDERLAIN BY LIMESTONE.

STEPHEN A. SHERK, P.E. \_\_\_\_\_ DATE \_\_\_\_\_

**CERTIFICATION OF SURVEY ACCURACY**  
I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, THE SURVEY SHOWN AND DESCRIBED HEREON IS TRUE AND CORRECT TO THE ACCURACY REQUIRED BY THE NORTH LEBANON TOWNSHIP, NORTH LEBANON TOWNSHIP AND THE CITY OF LEBANON SUBDIVISION AND LAND DEVELOPMENT ORDINANCES.

JASON E. CHERNICH, P.L.S. \_\_\_\_\_ DATE \_\_\_\_\_

**NORTH LEBANON TOWNSHIP PLANNING COMMISSION**  
AT A MEETING HELD ON \_\_\_\_\_, 2022, THE PLANNING COMMISSION OF NORTH LEBANON TOWNSHIP, LEBANON COUNTY, PENNSYLVANIA REVIEWED THIS PLAN AND A COPY OF THE REVIEW COMMENTS IS ON FILE IN THE TOWNSHIP OFFICE.

CHAIRMAN OR VICE CHAIRMAN \_\_\_\_\_ DATE \_\_\_\_\_

**NORTH LEBANON TOWNSHIP SUPERVISORS**  
AT A MEETING HELD ON \_\_\_\_\_, 2022, THE BOARD OF SUPERVISORS OF NORTH LEBANON TOWNSHIP, LEBANON COUNTY, PENNSYLVANIA APPROVED THE FINAL LAND DEVELOPMENT PLAN FOR THE PROPERTY AS SHOWN HEREON. NO OTHER PLAN OR PLANS SHALL BE RECOGNIZED. APPROVAL INCLUDES ALL DOCUMENTATION, INCLUDING THE COMMENTS OR REQUIREMENTS OF OFFICIAL REVIEWING INDIVIDUALS OR AGENCIES. APPROVAL IS BASED ON COMPLIANCE WITH APPLICABLE ORDINANCES, RULES AND REGULATIONS, AND SHALL NOT BE CONSTRUED AS A GUARANTEE TO ANY PERSON OR ORGANIZATION THAT THE DESIGN OR ANY PART OF THE PLAN WILL FUNCTION AS ANTICIPATED UNDER ANY OR ALL CONDITIONS OR SITUATIONS. ADDITIONALLY, THAT BY REVIEW AND/OR APPROVAL OF THIS PLAN, THE TOWNSHIP EXPRESSLY DECLINES THE ASSUMPTION OF LIABILITY ERRORS, OMISSIONS OR MISTAKES IN JUDGEMENT IN THE DESIGN, ENGINEERING, CONSTRUCTION, OR EXPECTED FUNCTION OF THE MATTERS REVIEWED AND/OR APPROVED.

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVED \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVED \_\_\_\_\_ DATE \_\_\_\_\_

**NORTH LEBANON TOWNSHIP SUPERVISORS**  
AT A MEETING HELD ON \_\_\_\_\_, 2022, THE BOARD OF SUPERVISORS OF NORTH LEBANON TOWNSHIP, LEBANON COUNTY, PENNSYLVANIA APPROVED THE LAND DEVELOPMENT PLAN OF THE PROPERTY AS SHOWN HEREON.

REVIEWED & APPROVED \_\_\_\_\_ DATE \_\_\_\_\_  
REVIEWED & APPROVED \_\_\_\_\_ DATE \_\_\_\_\_  
REVIEWED & APPROVED \_\_\_\_\_ DATE \_\_\_\_\_

**NORTH LEBANON TWP PLANNING COMMISSION**  
AT A MEETING HELD ON \_\_\_\_\_, 2022, THE PLANNING COMMISSION OF NORTH LEBANON TOWNSHIP, LEBANON COUNTY, PENNSYLVANIA RECOMMENDED FOR APPROVAL THE LAND DEVELOPMENT PLAN OF THE PROPERTY AS SHOWN HEREON.

CHAIRPERSON \_\_\_\_\_ DATE \_\_\_\_\_

**NORTH LEBANON TOWNSHIP ENGINEER REVIEW CERTIFICATION**  
REVIEWED BY THE NORTH LEBANON TOWNSHIP ENGINEER THIS DAY OF \_\_\_\_\_, 20\_\_\_\_.

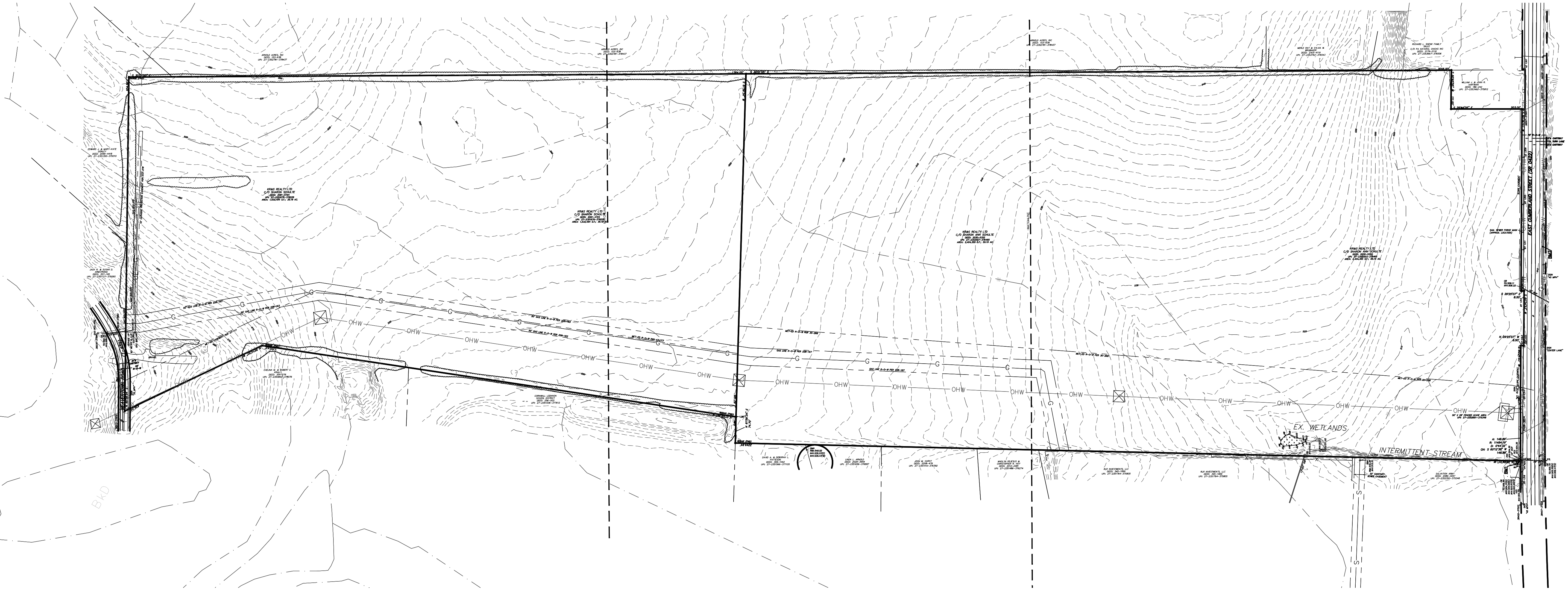
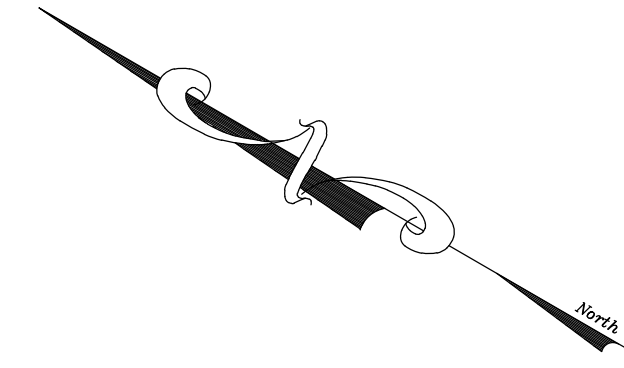
**NORTH LEBANON TOWNSHIP ENGINEER**  
REVIEWED BY THE NORTH LEBANON TOWNSHIP ENGINEER THIS DAY OF \_\_\_\_\_, 2022.

REVIEWED \_\_\_\_\_ DATE \_\_\_\_\_



**LEGEND**

	EXISTING WATERLINE		EXISTING GASLINE
	EXISTING GASLINE		EXISTING CONTOURS
	EXISTING TREELINE		EXISTING SOILS
	EXISTING UTILITY POLE		EXISTING LIGHT POLE
	EXISTING WATERLINE		EXISTING WATERLINE
	EXISTING GASLINE		EXISTING GASLINE
	EXISTING CONTOURS		EXISTING CONTOURS
	EXISTING TREELINE		EXISTING TREELINE
	EXISTING SOILS		EXISTING SOILS
	EXISTING UTILITY POLE		EXISTING UTILITY POLE
	EXISTING LIGHT POLE		EXISTING LIGHT POLE

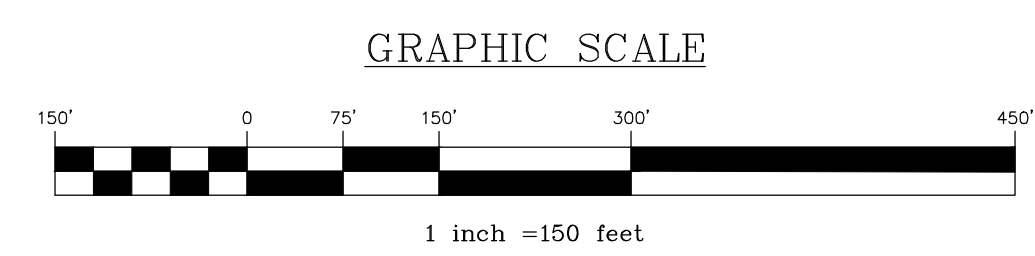


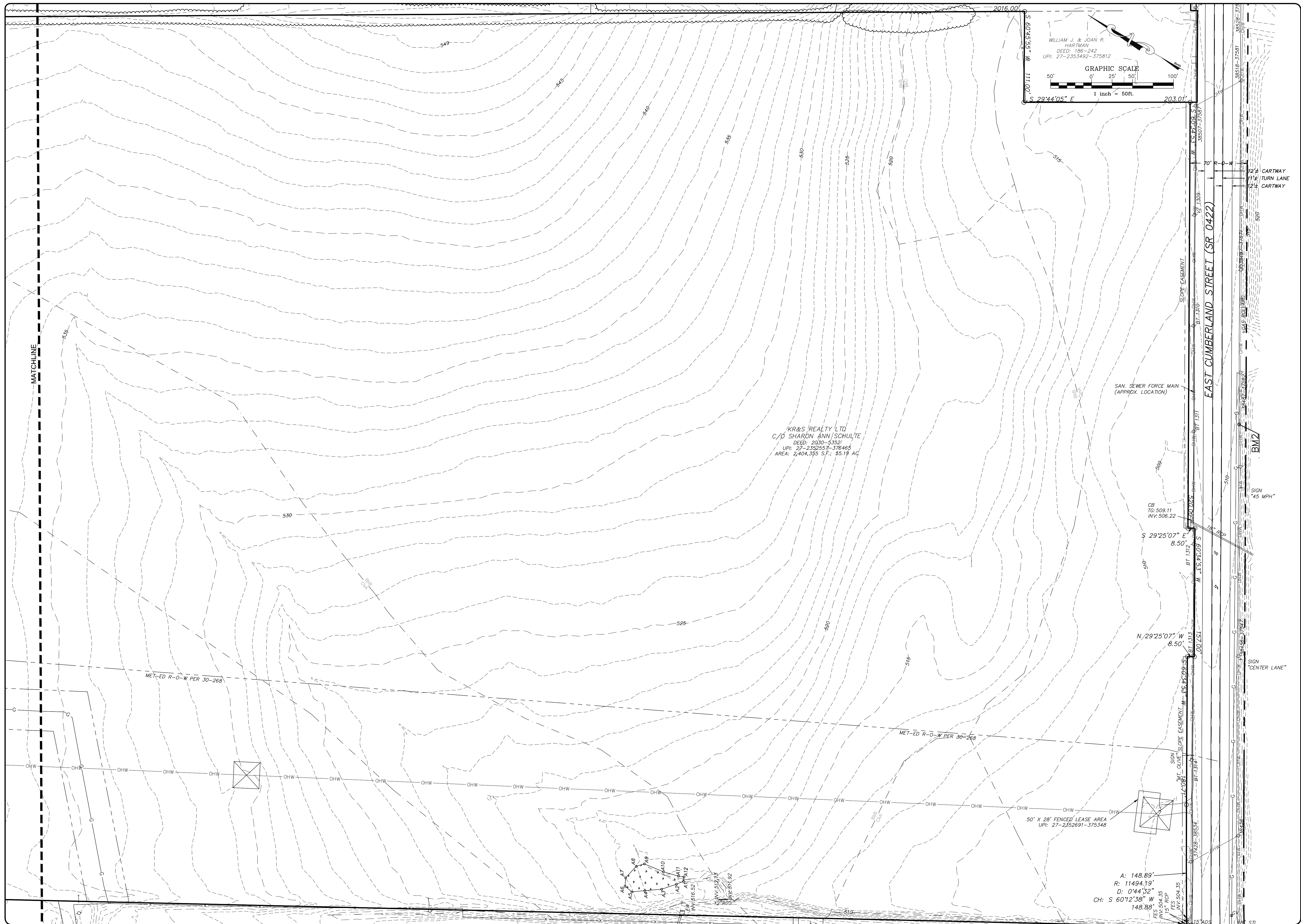
REVISION	DATE	BY

**OVERALL EXISTING CONDITIONS PLAN**  
 For  
**PRELIMINARY/FINAL LAND DEVELOPMENT PLAN**  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

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

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=150'
PROJECT #	2214-22-001





WILLIAM J. & JOAN R. HARTMAN  
 DEED: 186-242  
 UPI: 27-2353482-375812

GRAPHIC SCALE  
 0' 25' 50' 100'  
 1 inch = 50ft.

S 29°44'05" E 203.01'

KR&S REALTY LTD  
 C/O SHARON ANN SCHULTE  
 DEED: 2030-5352  
 UPI: 27-2352657-376465  
 AREA: 2,404.355 S.F., 55.19 AC.

CB  
 16-509.11  
 INV.506.22

S 29°25'07" E 8.50'

N 29°25'07" W 8.50'

A: 148.89'  
 R: 11494.19'  
 D: 0°44'32"  
 CH: S 60°12'38" W 148.88'

FES 504.35  
 INV.504.35  
 15' RCP

REVISION	DATE	BY

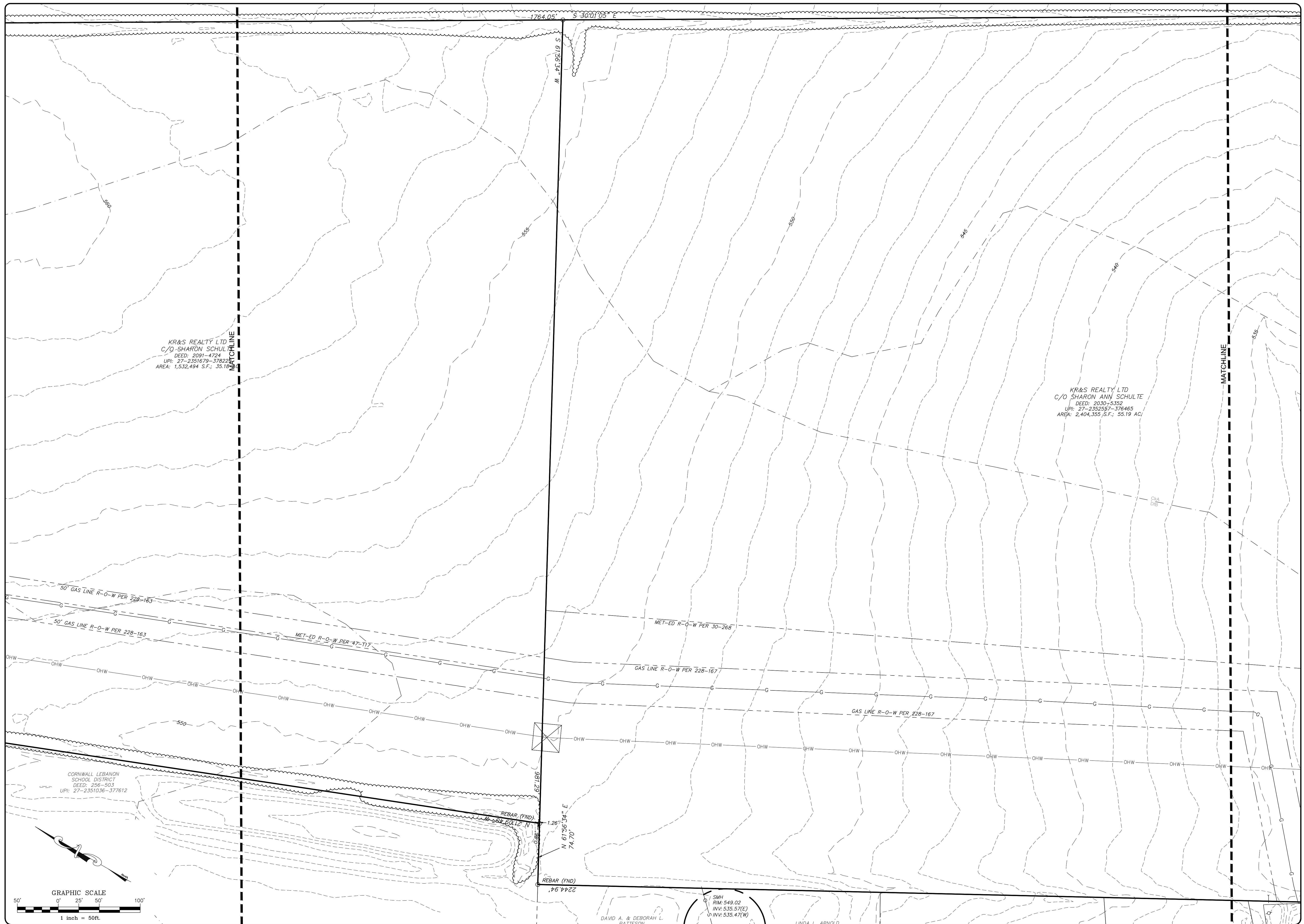
**EXISTING CONDITIONS PLAN**

PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**

located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

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

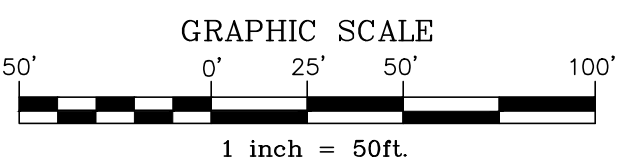
FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	#2214-22-001



KR&S REALTY LTD  
 C/O SHARON SCHULTE  
 DEED: 2091-4724  
 UPI: 27-2351679-37822  
 AREA: 1,532,494 S.F.; 35.18 AC

KR&S REALTY LTD  
 C/O SHARON ANN SCHULTE  
 DEED: 3030-5352  
 UPI: 27-2352547-376485  
 AREA: 2,404,355 S.F.; 55.19 AC

CORNWALL LEBANON  
 SCHOOL DISTRICT  
 DEED: 296-503  
 UPI: 27-2351036-377612



REVISION	DATE	BY

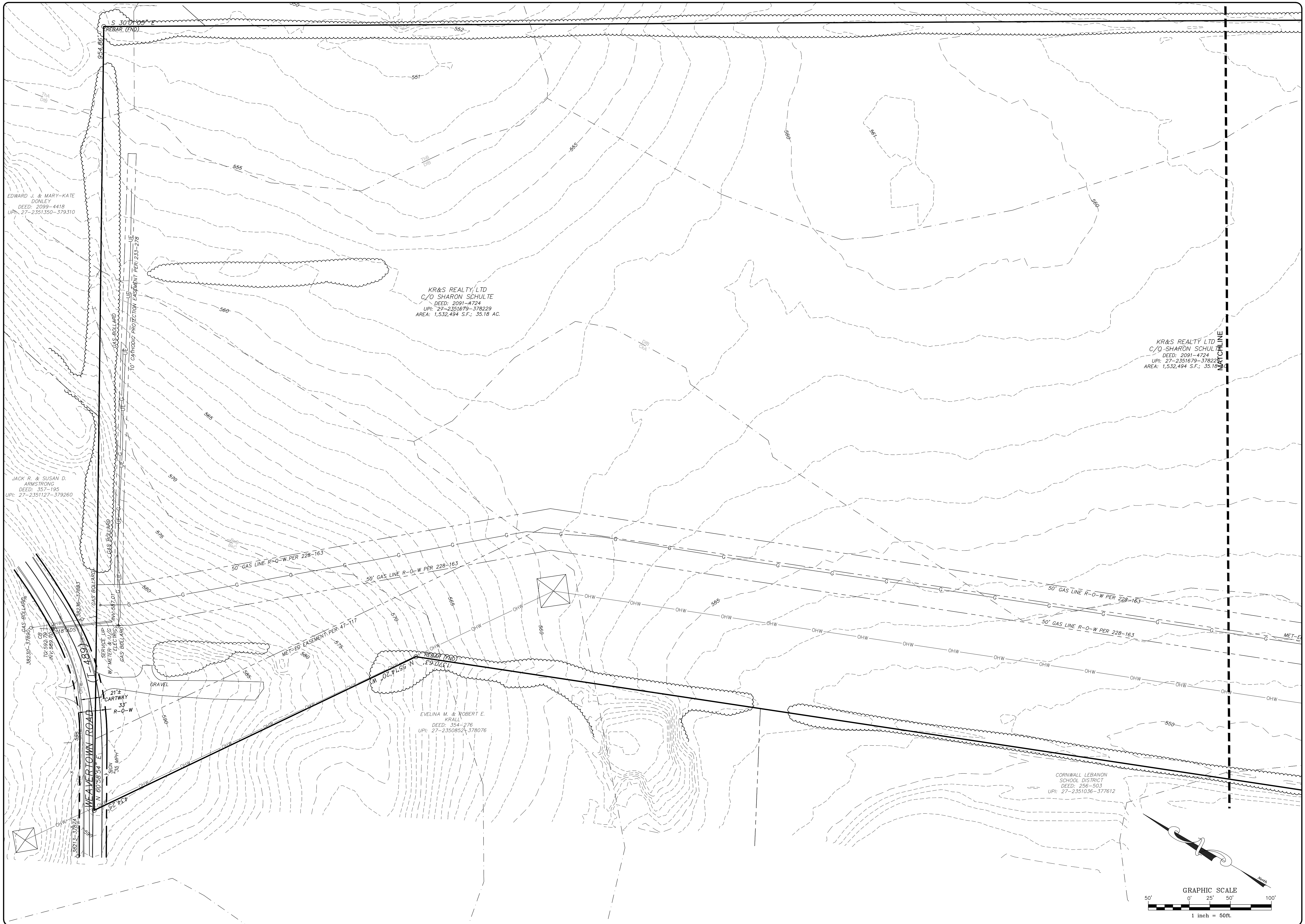
**EXISTING CONDITIONS**

PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
 NLT WAREHOUSE AND TRAILER STORAGE

located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

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

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	#2214-22-001



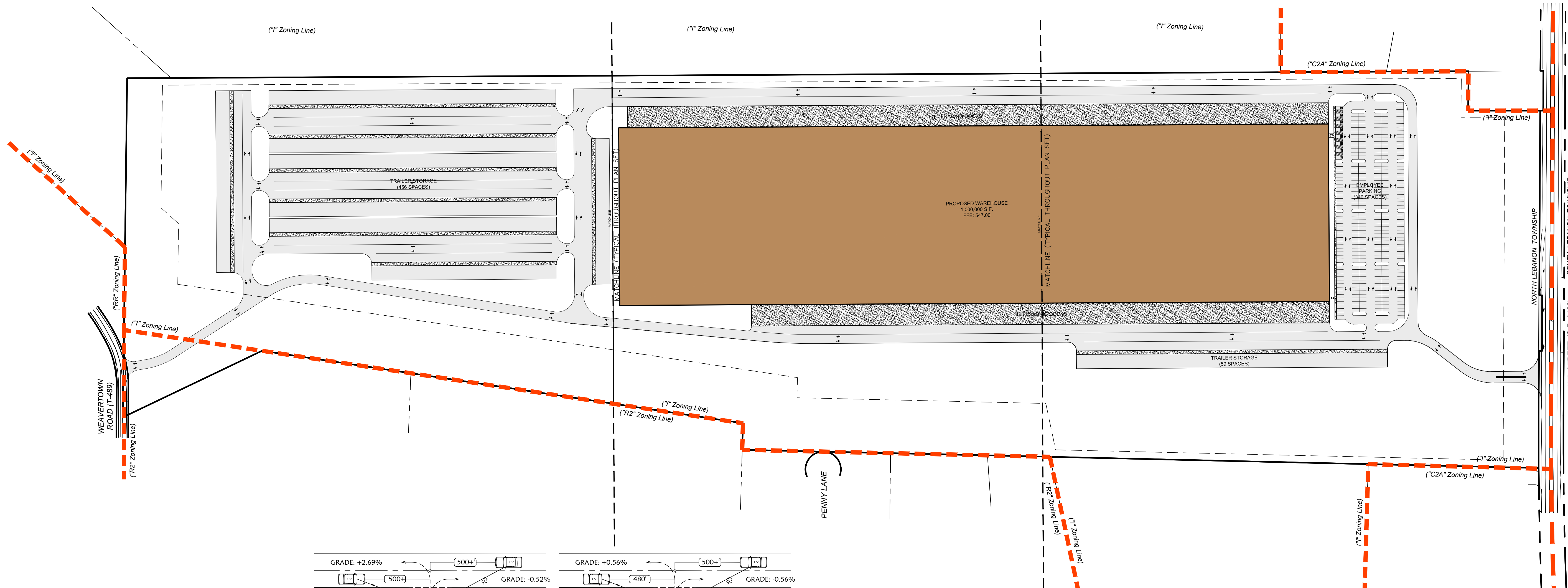
REVISION	DATE	BY

**EXISTING CONDITIONS**

PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
For  
NLT WAREHOUSE AND TRAILER STORAGE  
located in  
North Lebanon Township  
Lebanon County, Pennsylvania

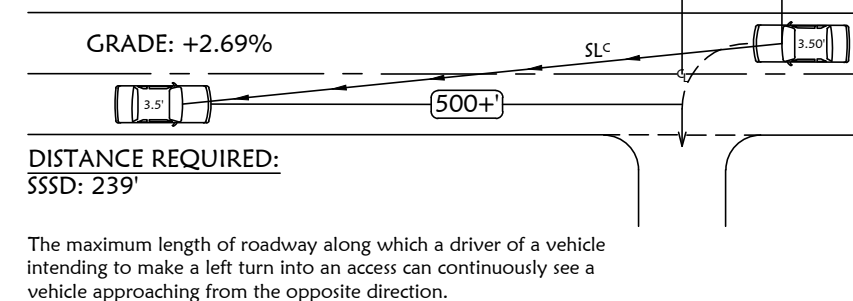
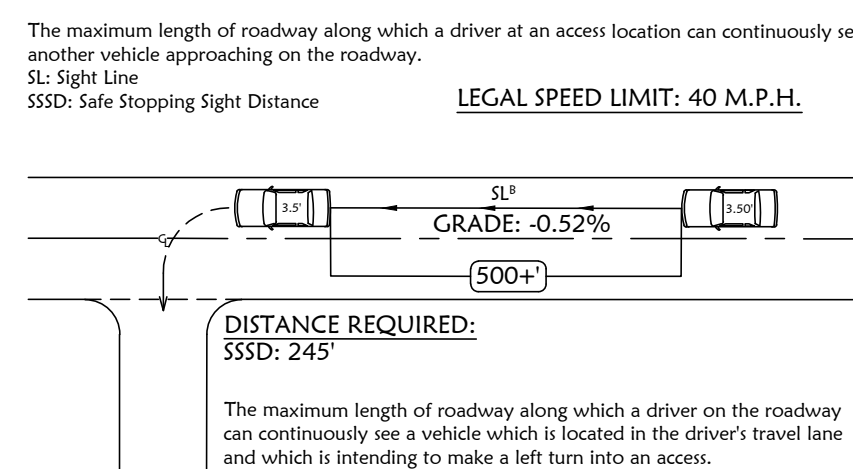
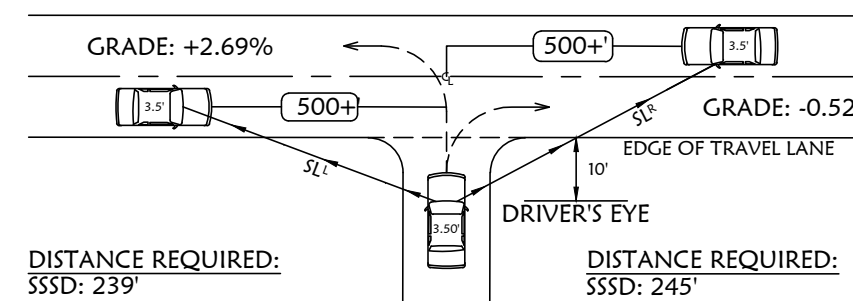
**RSI**  
Streckbeck Engineering & Surveying, Inc.  
279 Lebanon, Pennsylvania 17042  
Phone: (717) 272-7110  
Fax: (717) 272-7348

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	#2214-22-001



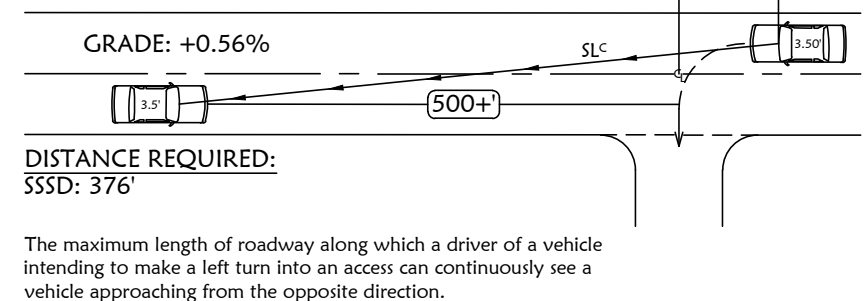
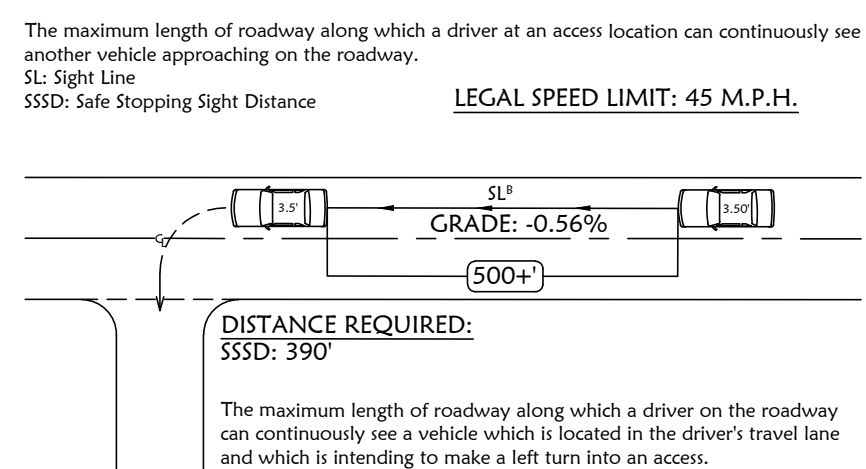
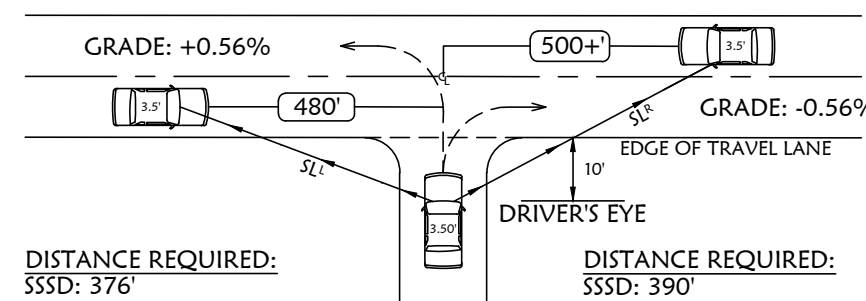
**LEGEND**

- EXISTING ADJOINER LINE
- - - EXISTING BOUNDARY LINE AND CORNERS
- - - EXISTING RIGHT-OF-WAY
- - - EXISTING FENCE
- - - EXISTING SIDEWALK/CONCRETE
- - - EXISTING EDGE OF PAVEMENT AND CURB LINE
- PROPOSED FEATURES
- PROPOSED BUILDING SETBACK
- PROPOSED EDGE OF PAVEMENT AND CURB LINE
- - - PROPOSED FENCE
- - - PROPOSED CONCRETE/SIDEWALK
- - - PROPOSED PIPE BOLLARD



**DRIVEWAY SIGHT DISTANCE (S.R. 0422)**

NO SCALE



**DRIVEWAY SIGHT DISTANCE (WEAVERTOWN)**

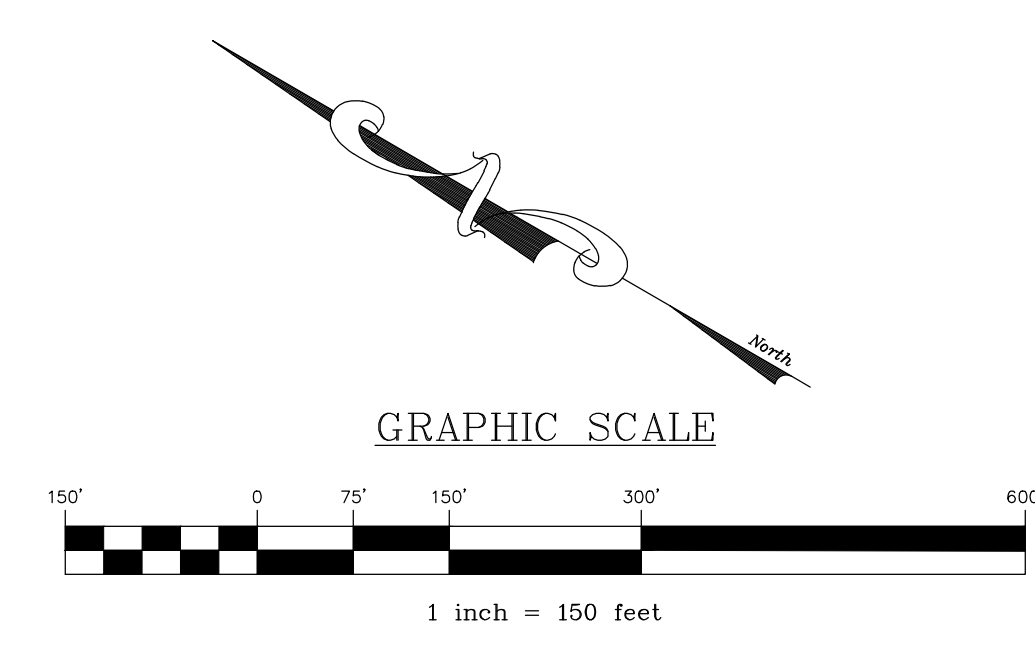
NO SCALE

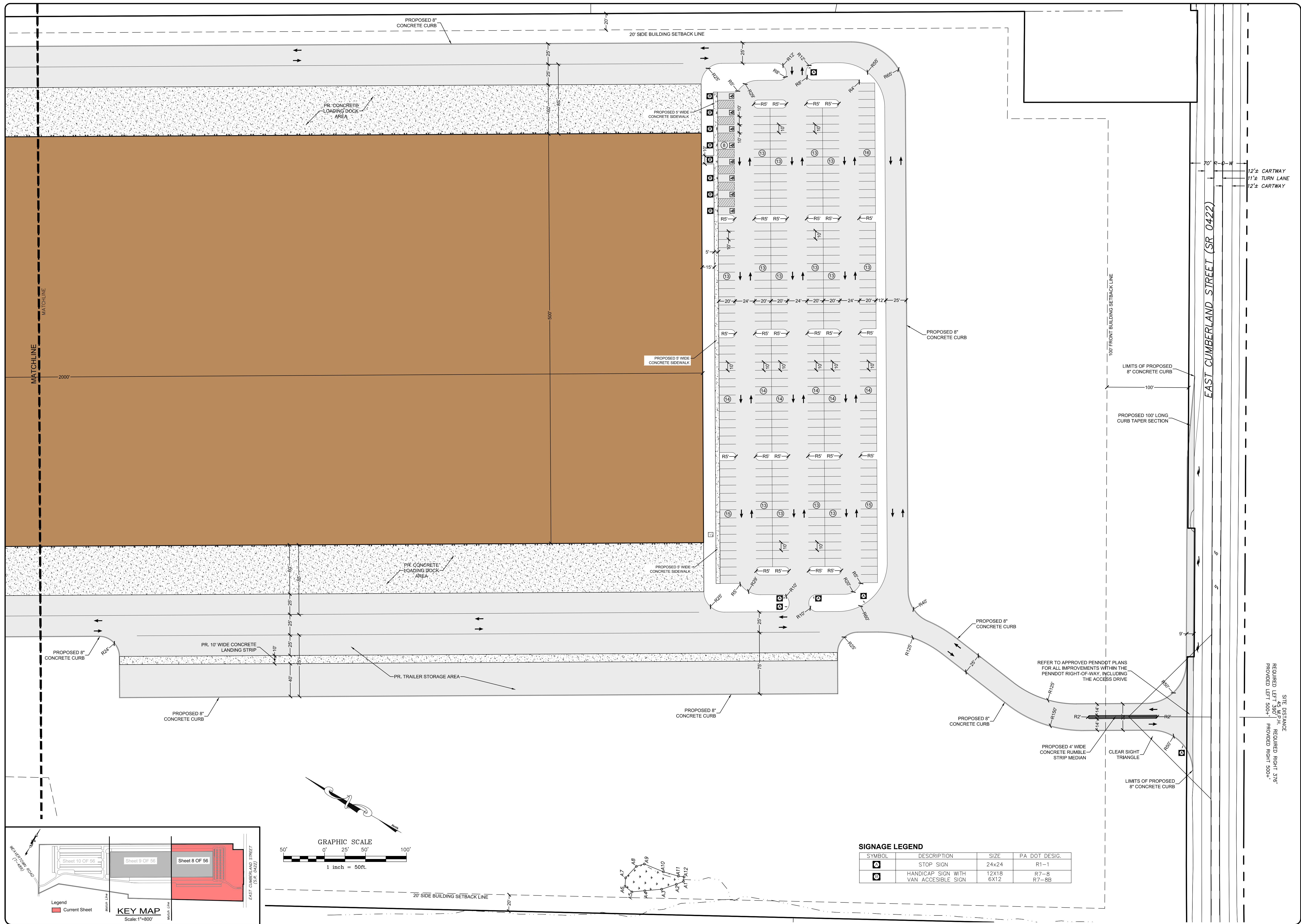
REVISION	DATE	BY

**OVERALL LAYOUT PLAN**  
 PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

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

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=150'
PROJECT #	2214-22-001



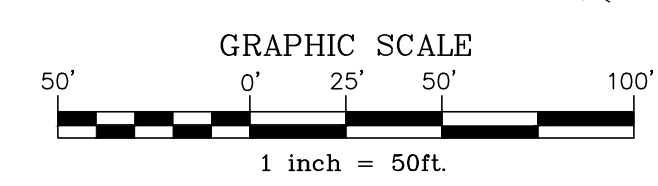
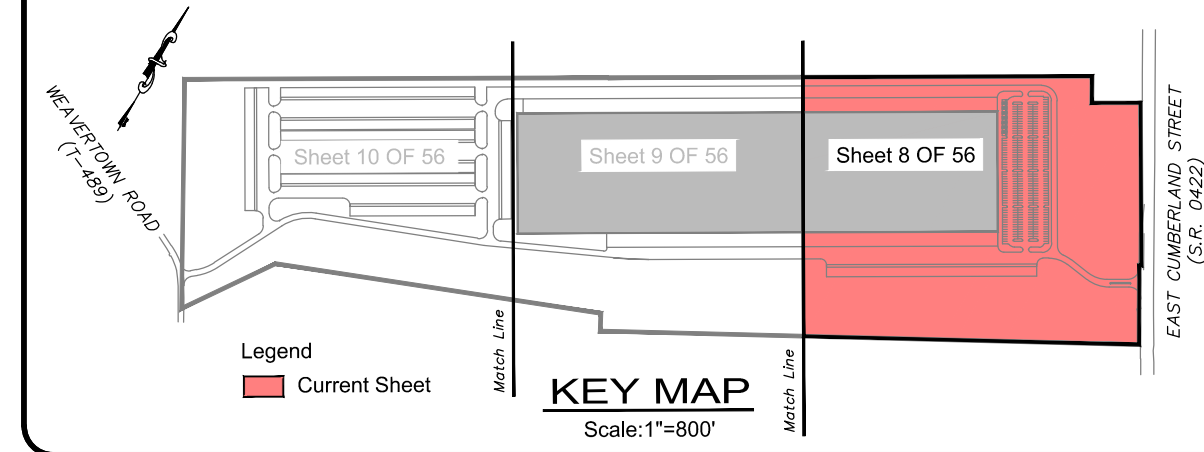


REVISION	DATE	BY

**LAYOUT PLAN**  
 PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

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

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	2214-22-001

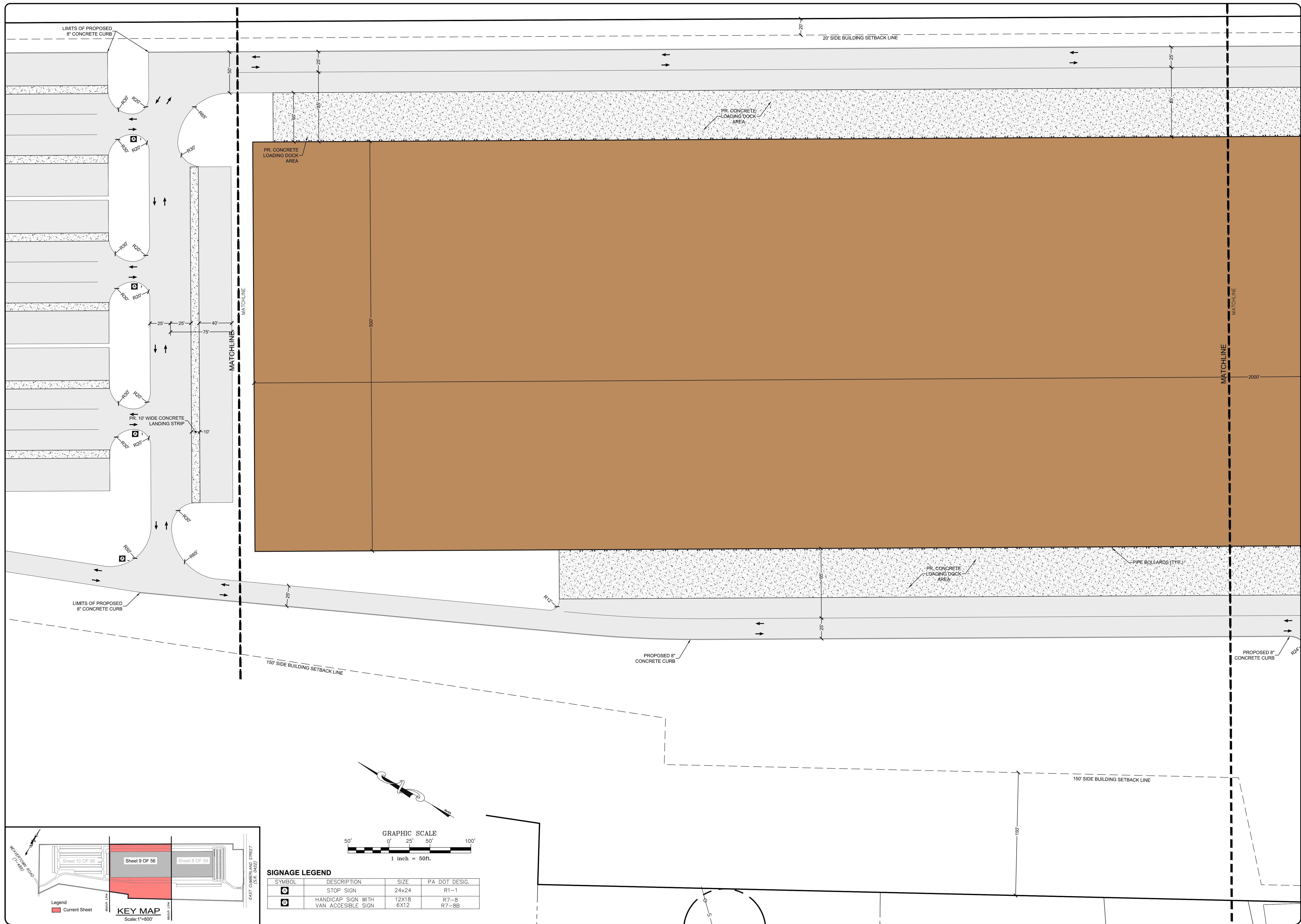


**SIGNAGE LEGEND**

SYMBOL	DESCRIPTION	SIZE	PA DOT DESIG.
⊠	STOP SIGN	24x24	R1-1
⊞	HANDICAP SIGN WITH VAN ACCESSIBLE SIGN	12X18 6X12	R7-8 R7-8B

SITE DISTANCE  
 REQUIRED LEFT 500'-H, REQUIRED RIGHT 376'-H  
 PROVIDED LEFT 500'-H, PROVIDED RIGHT 500'-H





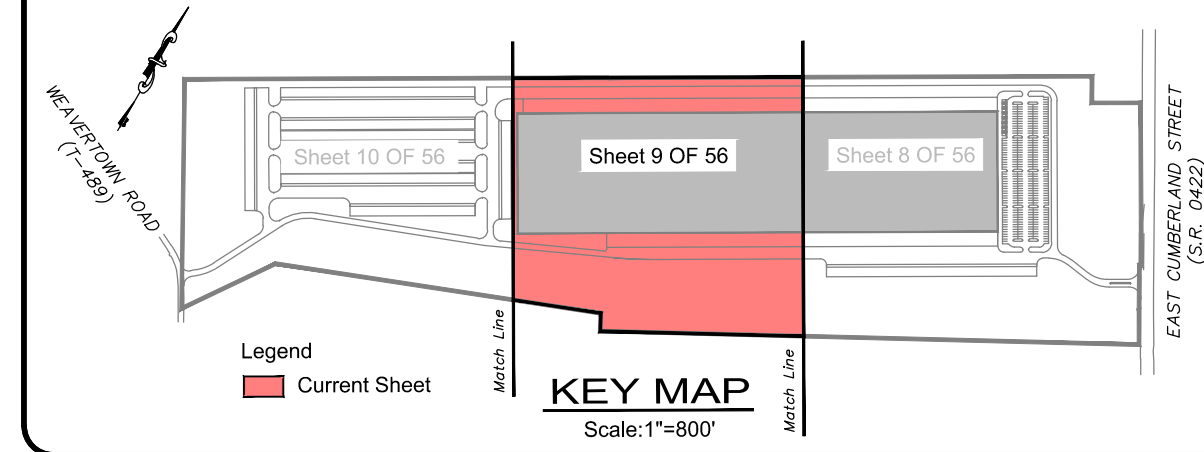
BY	---
DATE	---
REVISION	---
---	---
---	---
---	---

BY	---
DATE	---
REVISION	---
---	---
---	---
---	---

**LAYOUT PLAN**  
**PRELIMINARY/FINAL LAND DEVELOPMENT PLAN**  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

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

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	#2214-22-001



**GRAPHIC SCALE**  
 50' 0' 25' 50' 100'  
 1 inch = 50ft.

**SIGNAGE LEGEND**

SYMBOL	DESCRIPTION	SIZE	PA DOT DESIG.
⊠	STOP SIGN	24x24	R1-1
⊞	HANDICAP SIGN WITH VAN ACCESSIBLE SIGN	12X18 6X12	R7-8 R7-8B



REVISION	DATE	BY

**LAYOUT PLAN**  
 PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

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

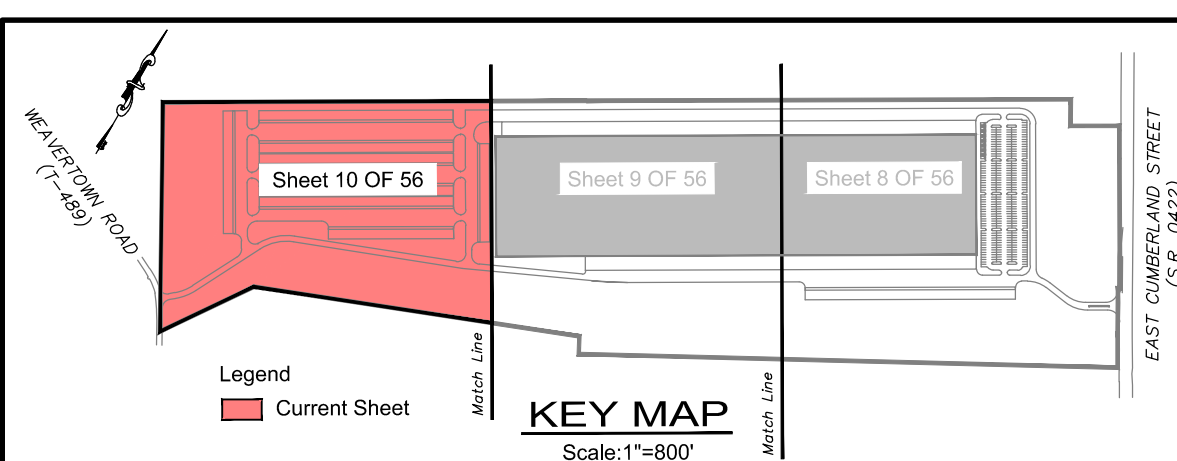
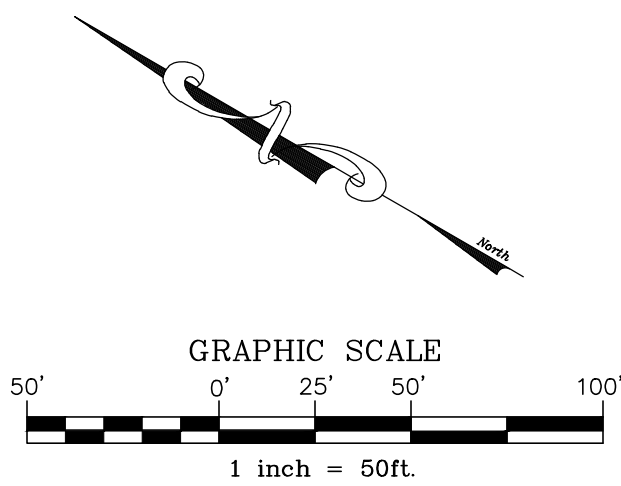
FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	#2214-22-001

10

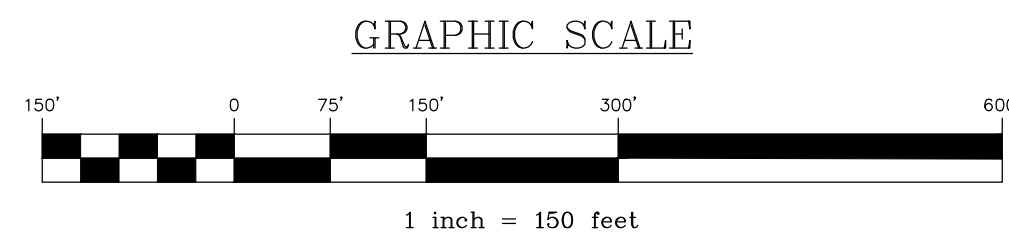
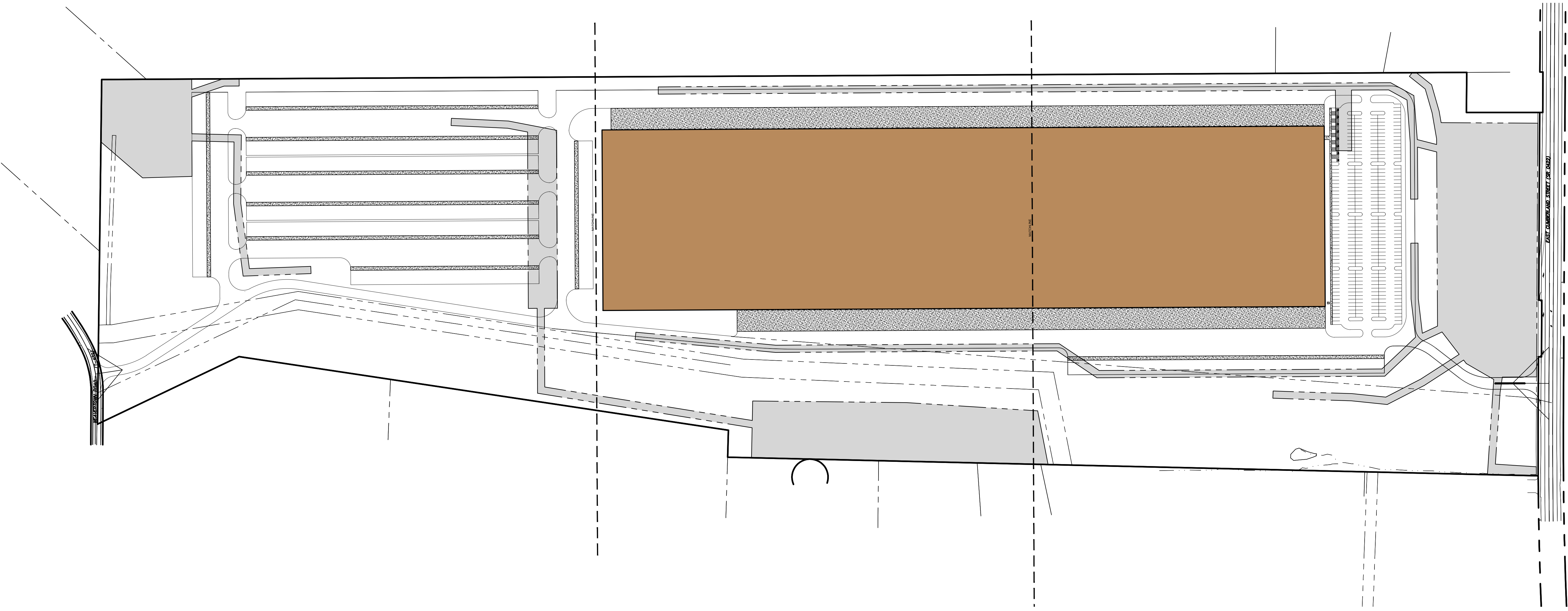
10 OF 56 SHEETS

**SIGNAGE LEGEND**

SYMBOL	DESCRIPTION	SIZE	PA DOT DESIG.
⊙	STOP SIGN	24x24	R1-1
⊞	HANDICAP SIGN WITH VAN ACCESSIBLE SIGN	12X18 6X12	R7-8 R7-8B



SITE DISTANCE  
 REQUIRED LEFT 245'  
 REQUIRED RIGHT 245'  
 PROVIDED LEFT 500+  
 PROVIDED RIGHT 500+  
 WEAVER TOWN ROAD  
 CLEAR SIGHT TRIANGLE  
 LIMITS OF PR. PAVING



**LEGEND**

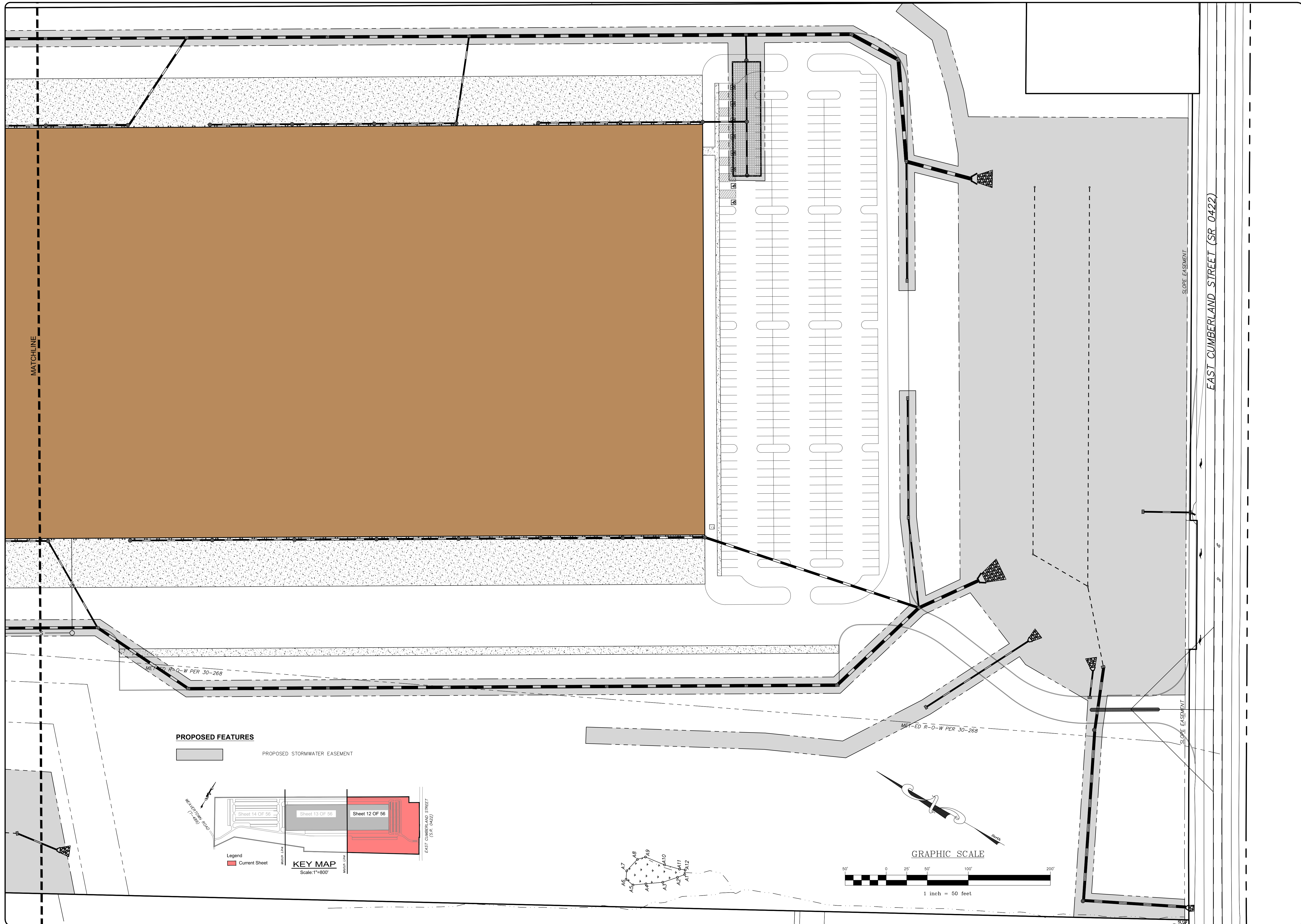
<b>EXISTING FEATURES</b>		<b>PROPOSED FEATURES</b>
EXISTING ADJOINER LINE		PROPOSED BUILDING SETBACK
EXISTING BOUNDARY LINE AND CORNERS		PROPOSED EDGE OF PAVEMENT AND CURB LINE
EXISTING RIGHT-OF-WAY		PROPOSED FENCE
EXISTING FENCE		PROPOSED CONCRETE/SIDEWALK
EXISTING SIDEWALK/CONCRETE		PROPOSED PIPE BOLLARD
EXISTING EDGE OF PAVEMENT AND CURB LINE		PROPOSED STORMWATER EASEMENT

REVISION	DATE	BY

**OVERALL EASEMENT PLAN**  
 PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

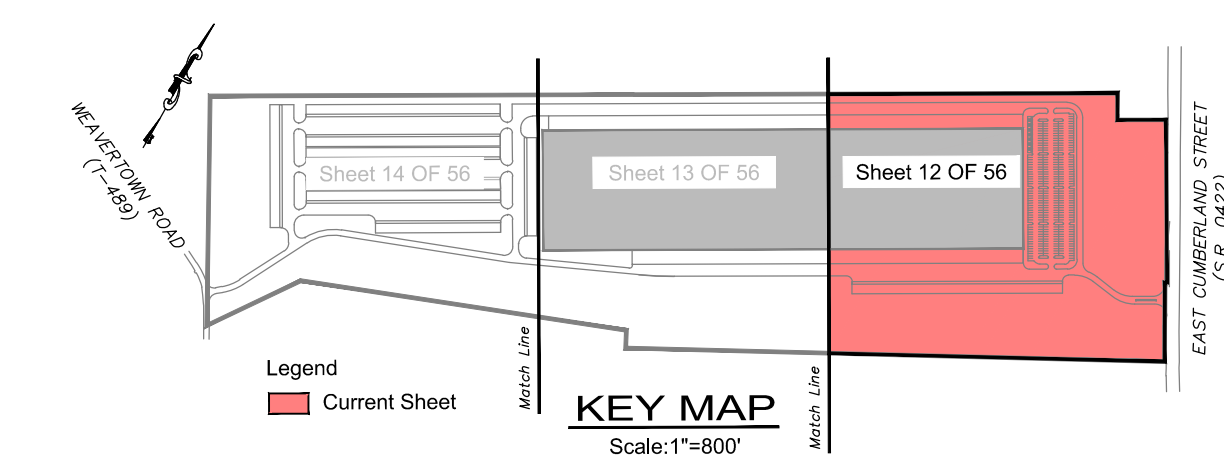
**RESI**  
 Steckbeck Engineering & Surveying, Inc.  
 279 Lebanon, Pennsylvania 17042  
 Phone: (717) 272-7110  
 Fax: (717) 272-7348

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=150'
PROJECT #	2214-22-001

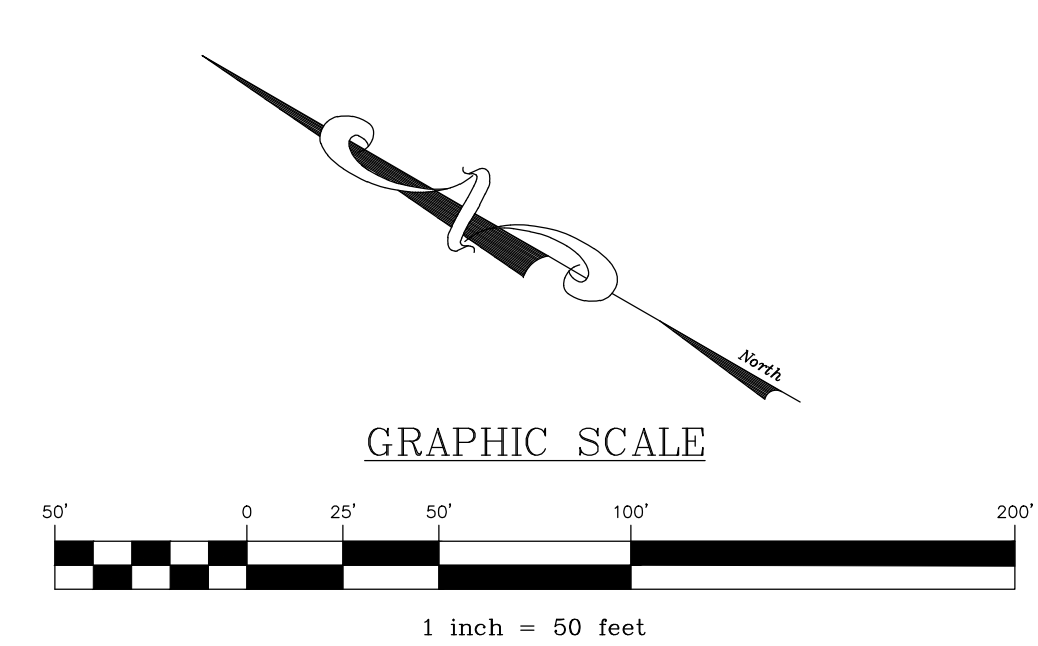
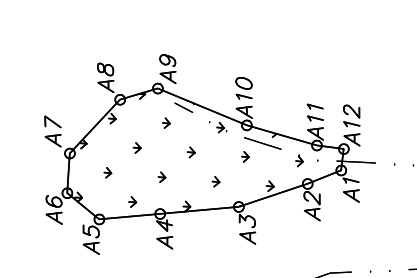


**PROPOSED FEATURES**

PROPOSED STORMWATER EASEMENT



Legend  
Current Sheet

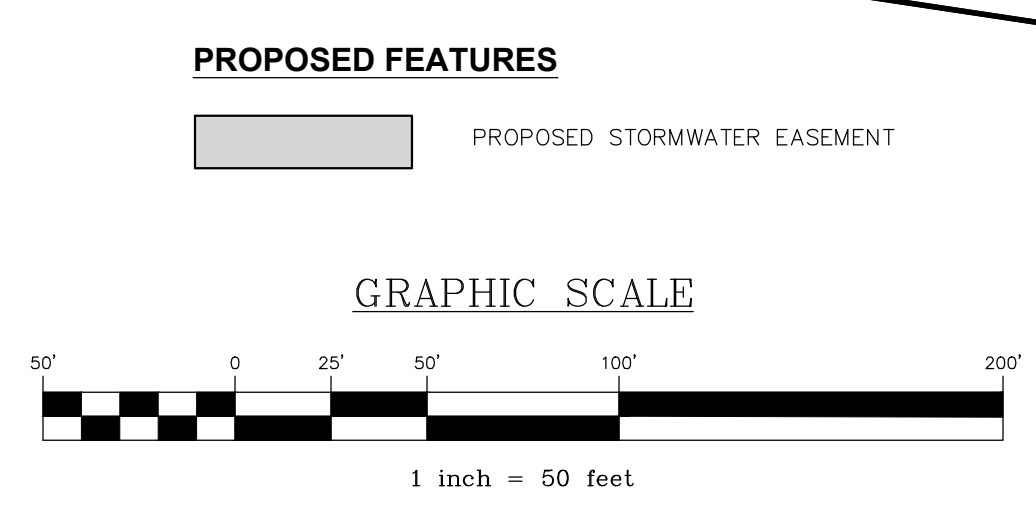
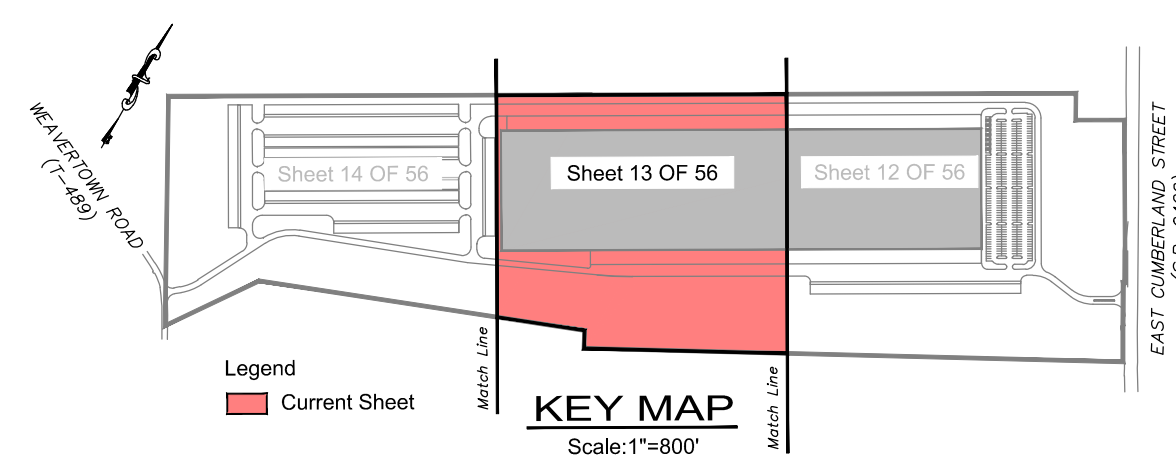
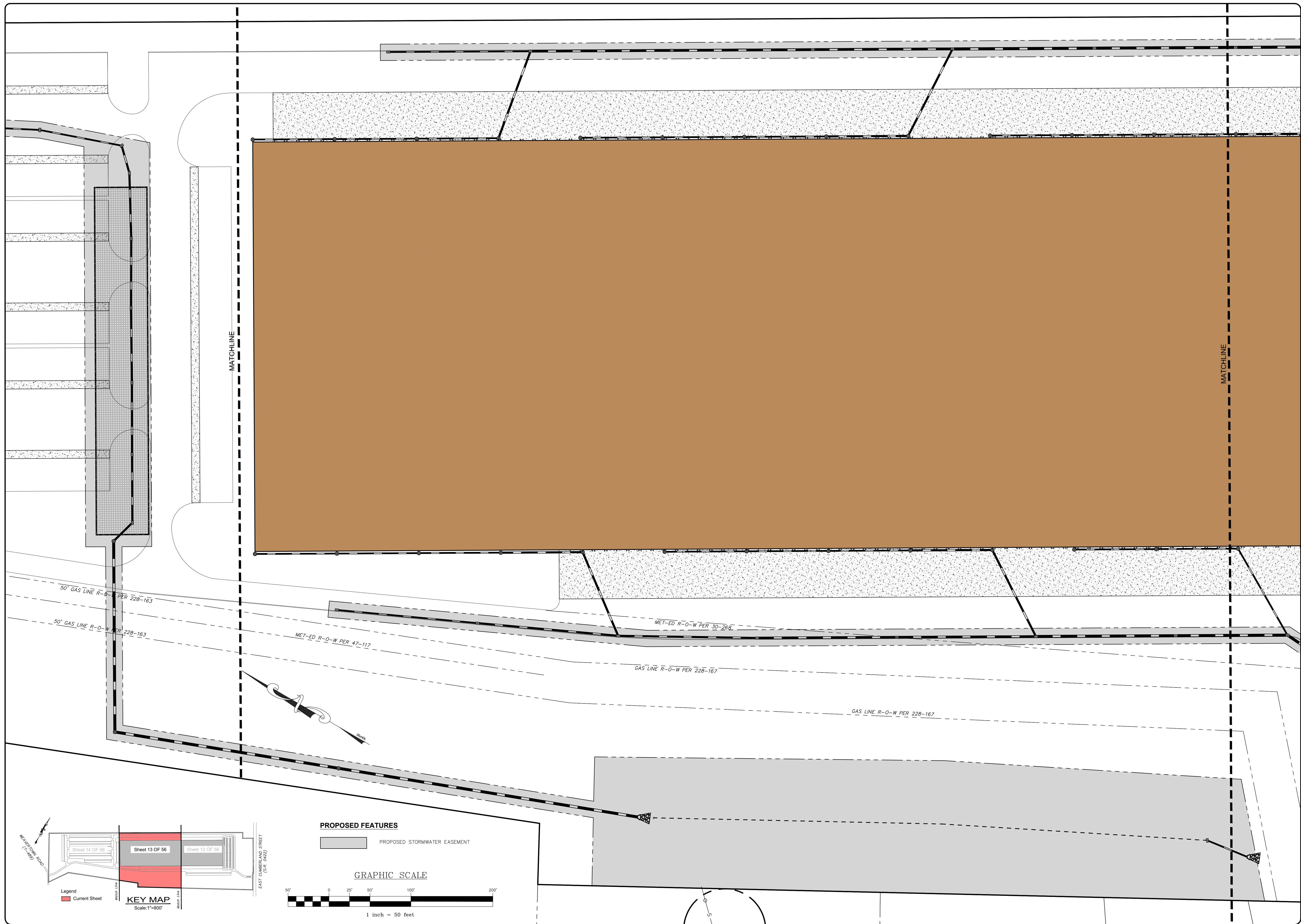


REVISION	DATE	BY

**EASEMENT PLAN**  
 PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
 NLT WAREHOUSE AND TRAILER STORAGE  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

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

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	2214-22-001



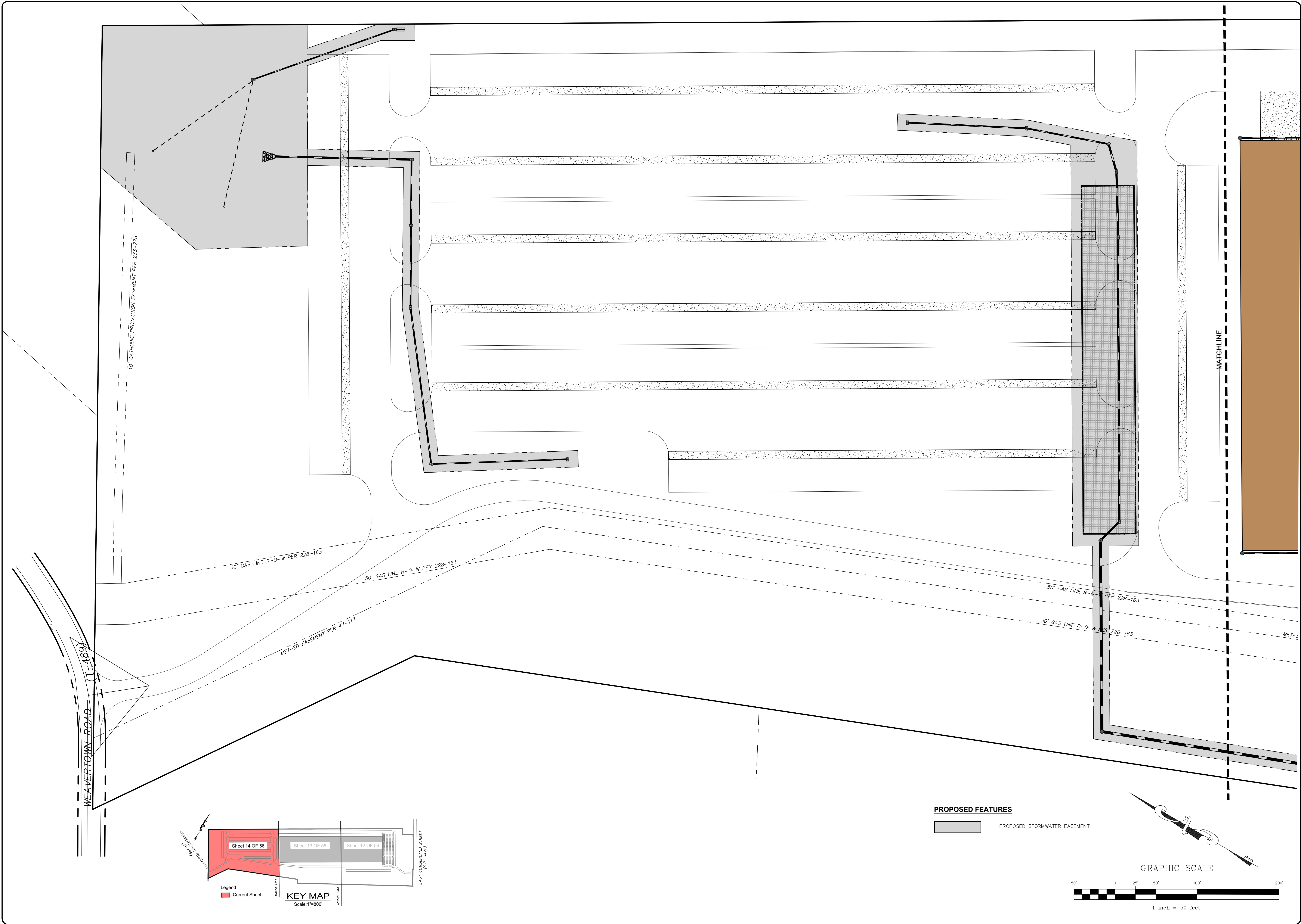
REVISION	DATE	BY

**EASEMENT PLAN**

PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

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

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	#2214-22-001



10' CATHODIC PROTECTION EASEMENT PER 233-278

50' GAS LINE R-O-W PER 228-163

50' GAS LINE R-O-W PER 228-163

MET-ED EASEMENT PER 47-117

50' GAS LINE R-O-W PER 228-163

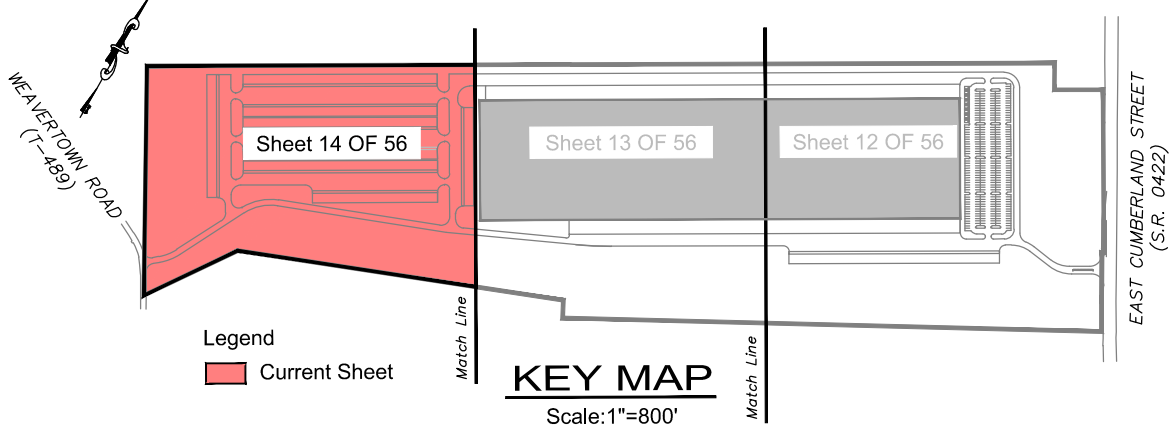
50' GAS LINE R-O-W PER 228-163

MET-L

MATCHLINE

WEAVERTOWN ROAD (T-489)

EAST CUMBERLAND STREET (C-142)



**PROPOSED FEATURES**

PROPOSED STORMWATER EASEMENT

**GRAPHIC SCALE**



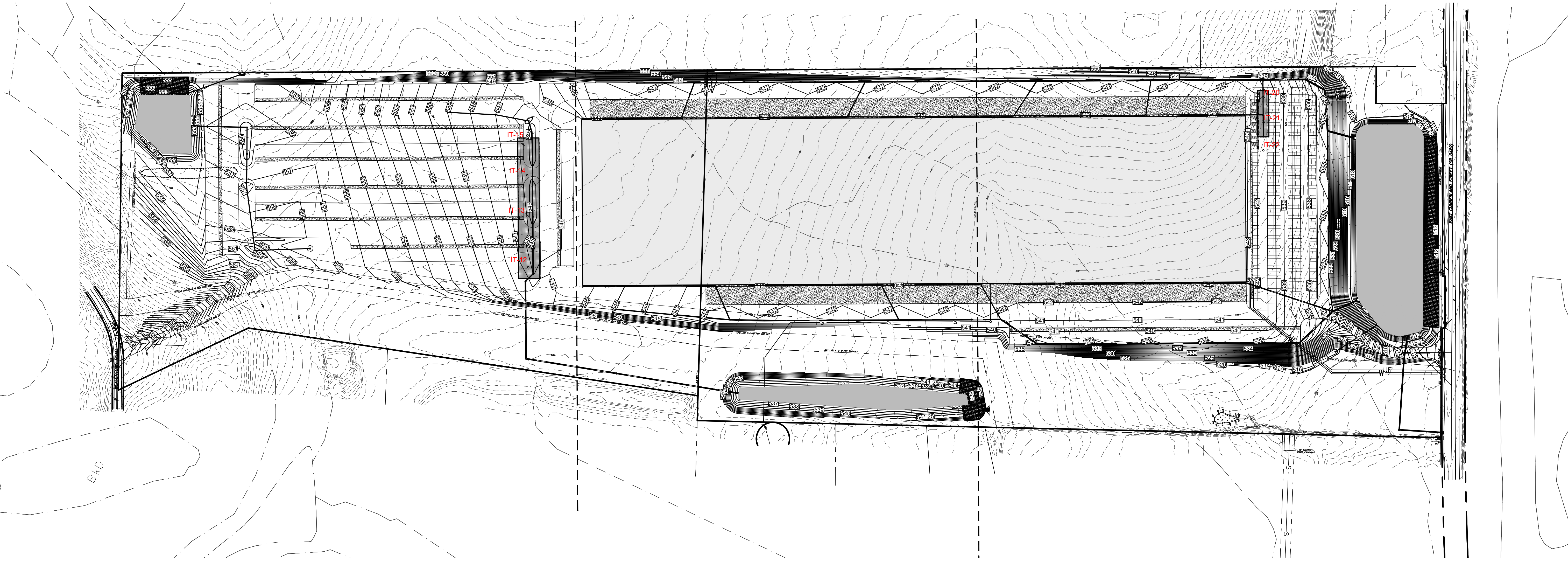
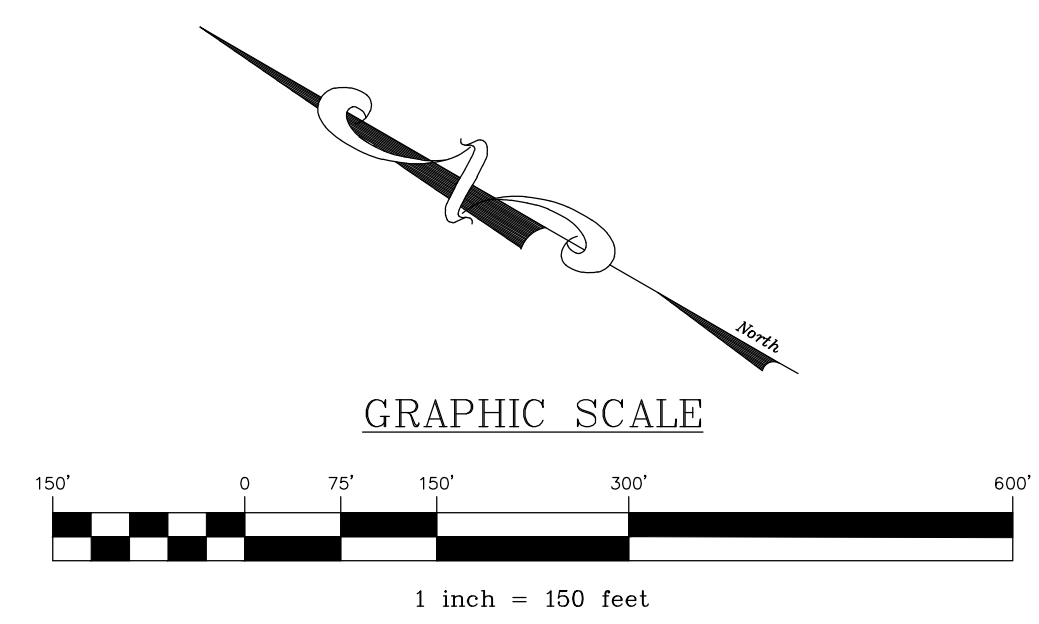
1 inch = 50 feet

REVISION	DATE	BY

**EASEMENT PLAN**  
PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
located in  
North Lebanon Township  
Lebanon County, Pennsylvania

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

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	#2214-22-001



INFILTRATION TESTING ELEVATIONS & DEPTHS			
	SURFACE ELEV.	TEST ELEV.	PROBE ELEV.
IT-1	514.00	508.00	506.00
IT-2	517.00	508.00	506.00
IT-3	512.00	508.00	506.00
IT-4	516.00	508.00	506.00
IT-5	511.00	508.00	506.00
IT-6	514.50	508.00	506.00
IT-7	511.50	508.00	506.00
IT-8	538.00	535.00	533.00
IT-9	542.50	535.00	533.00
IT-10	546.00	535.00	533.00
IT-11	548.00	535.00	533.00
IT-12	555.00	541.00	539.00
IT-13	558.00	541.00	539.00
IT-14	559.50	541.00	539.00
IT-15	560.00	541.00	539.00
IT-16	554.00	550.00	548.00
IT-17	553.00	550.00	548.00
IT-18	555.50	550.00	548.00
IT-19	555.50	550.00	548.00
IT-20	535.00	531.00	529.00
IT-21	534.00	531.00	529.00
IT-22	533.00	531.00	529.00

**LEGEND**

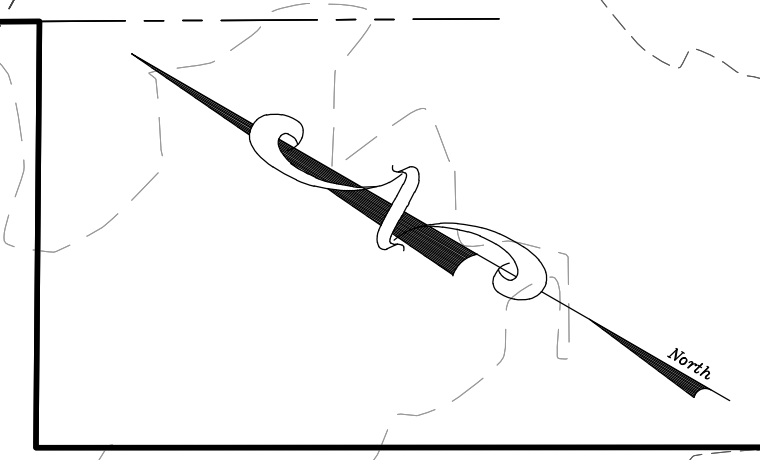
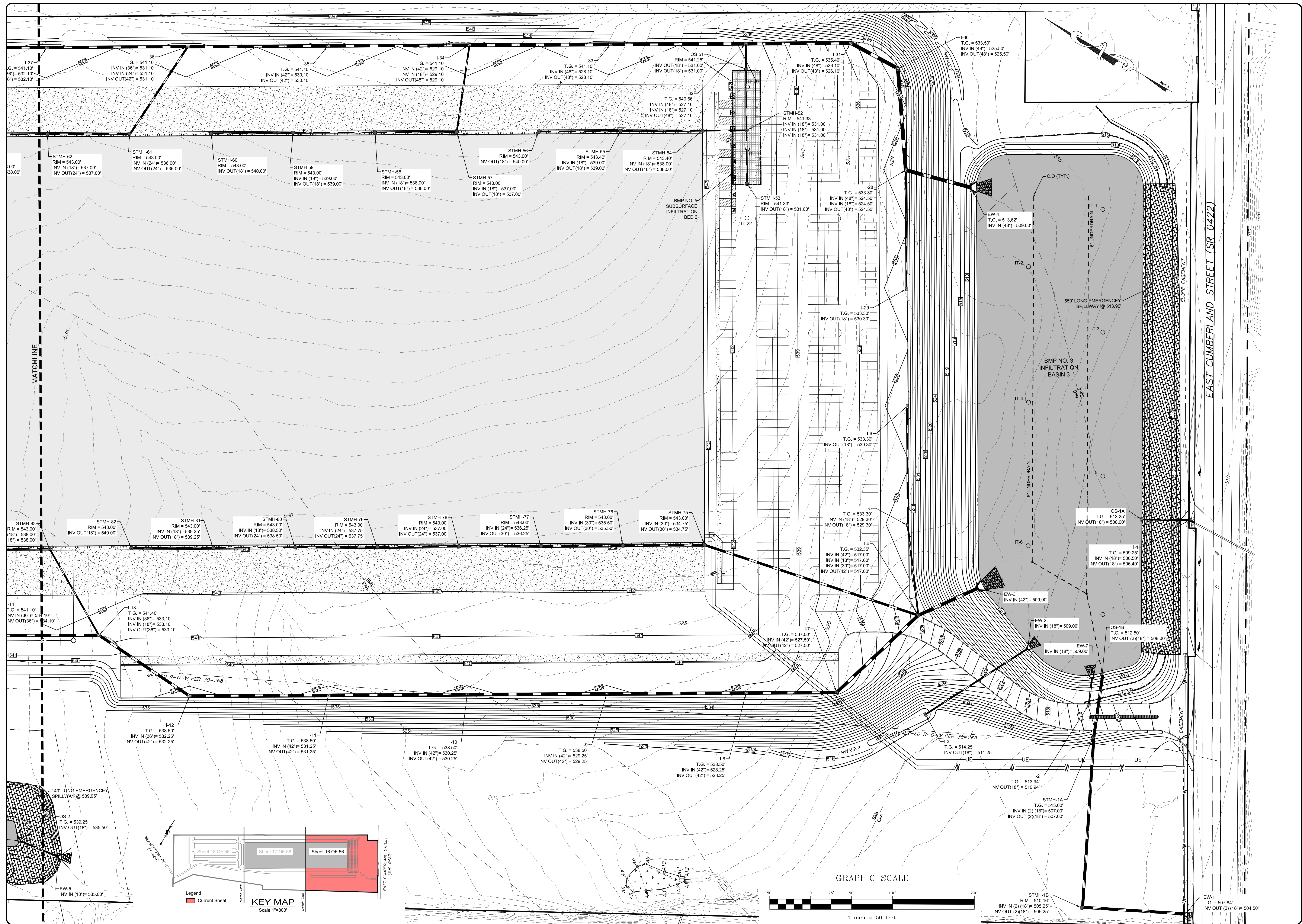
<p><b>EXISTING FEATURES</b></p> <ul style="list-style-type: none"> <li>— — — — — EXISTING ADJOINER LINE</li> <li>— — — — — EXISTING BOUNDARY LINE AND CORNERS</li> <li>— — — — — EXISTING EDGE OF PAVEMENT AND CURB LINE</li> <li>— — — — — EXISTING RIGHT-OF-WAY</li> <li>— — — — — EXISTING FENCE</li> <li>— — — — — EXISTING SEWER</li> <li>— — — — — EXISTING STORMWATER</li> <li>— — — — — EXISTING WATERLINE</li> <li>— — — — — EXISTING GASLINE</li> </ul>	<p><b>PROPOSED FEATURES</b></p> <ul style="list-style-type: none"> <li>— — — — — PROPOSED BUILDING SETBACK</li> <li>— — — — — PROPOSED BOUNDARY LINE AND CORNERS</li> <li>— — — — — PROPOSED EDGE OF PAVEMENT AND CURB LINE</li> <li>— — — — — PROPOSED RIGHT-OF-WAY</li> <li>— — — — — PROPOSED FENCE</li> <li>— — — — — PROPOSED SEWER</li> <li>— — — — — PROPOSED STORMWATER</li> </ul>	<p><b>PROPOSED FEATURES</b></p> <ul style="list-style-type: none"> <li>— — — — — PROPOSED DOMESTIC WATERLINE</li> <li>— — — — — PROPOSED GASLINE</li> <li>— — — — — PROPOSED CONCRETE/SIDEWALK</li> <li>— — — — — PROPOSED CONTOURS</li> <li>— — — — — PROPOSED TREETLINE</li> <li>— — — — — PROPOSED UTILITY POLE</li> <li>— — — — — PROPOSED LIGHT POLE</li> </ul> <p>AMENDED SOILS PLANTED WITH ERNST SEEDS - FIRE TENSION BASIN FLOOR MIX-LOW MAINTENANCE (ERNMX-126)</p>
---	--	---

REVISION	DATE	BY

**OVERALL POST CONSTRUCTION STORMWATER MANAGEMENT PLAN**  
 PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

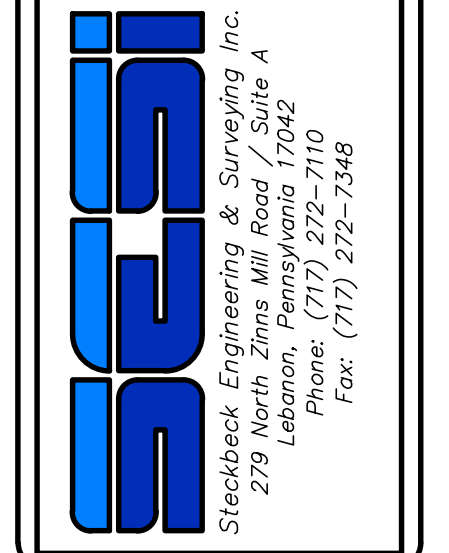
**ESI**  
 Steadback Engineering & Surveying Inc.  
 279 Lebanon, Pennsylvania 17042  
 Phone: (717) 272-7110  
 Fax: (717) 272-7348

FIELD CREW: TB/SS  
 BASE MAP: MA  
 DRAWN: CDS  
 DESIGN: CDS  
 CHECKED: SS  
 DATE: 08-05-22  
 SCALE: 1"=150'  
 PROJECT # 2214-22-001

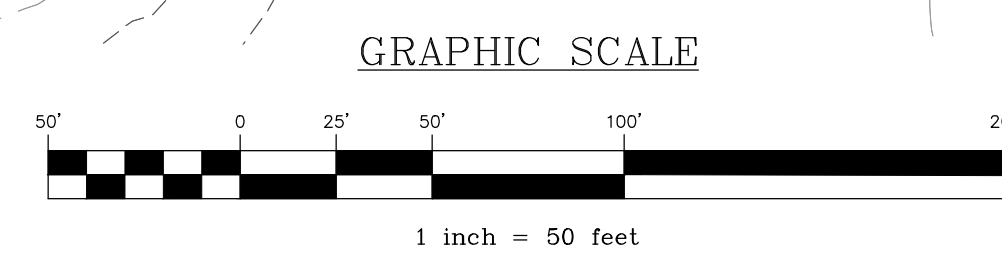
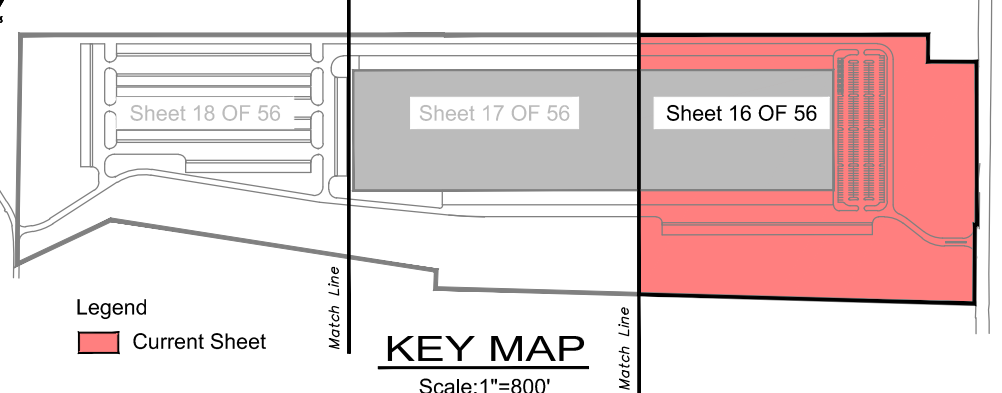


REVISION	DATE	BY

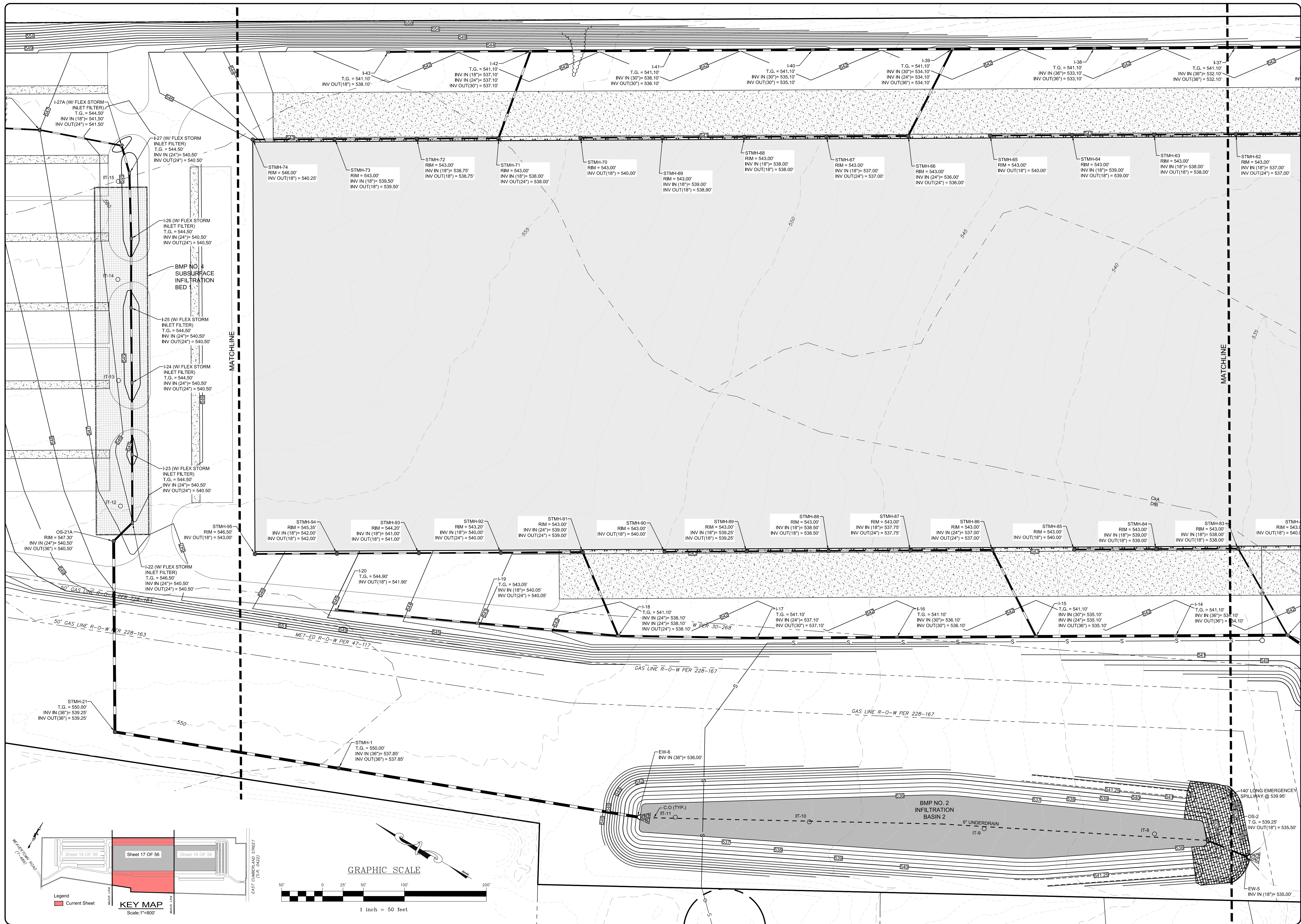
**POST CONSTRUCTION STORMWATER MANAGEMENT PLAN**  
 PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania



FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	2214-22-001





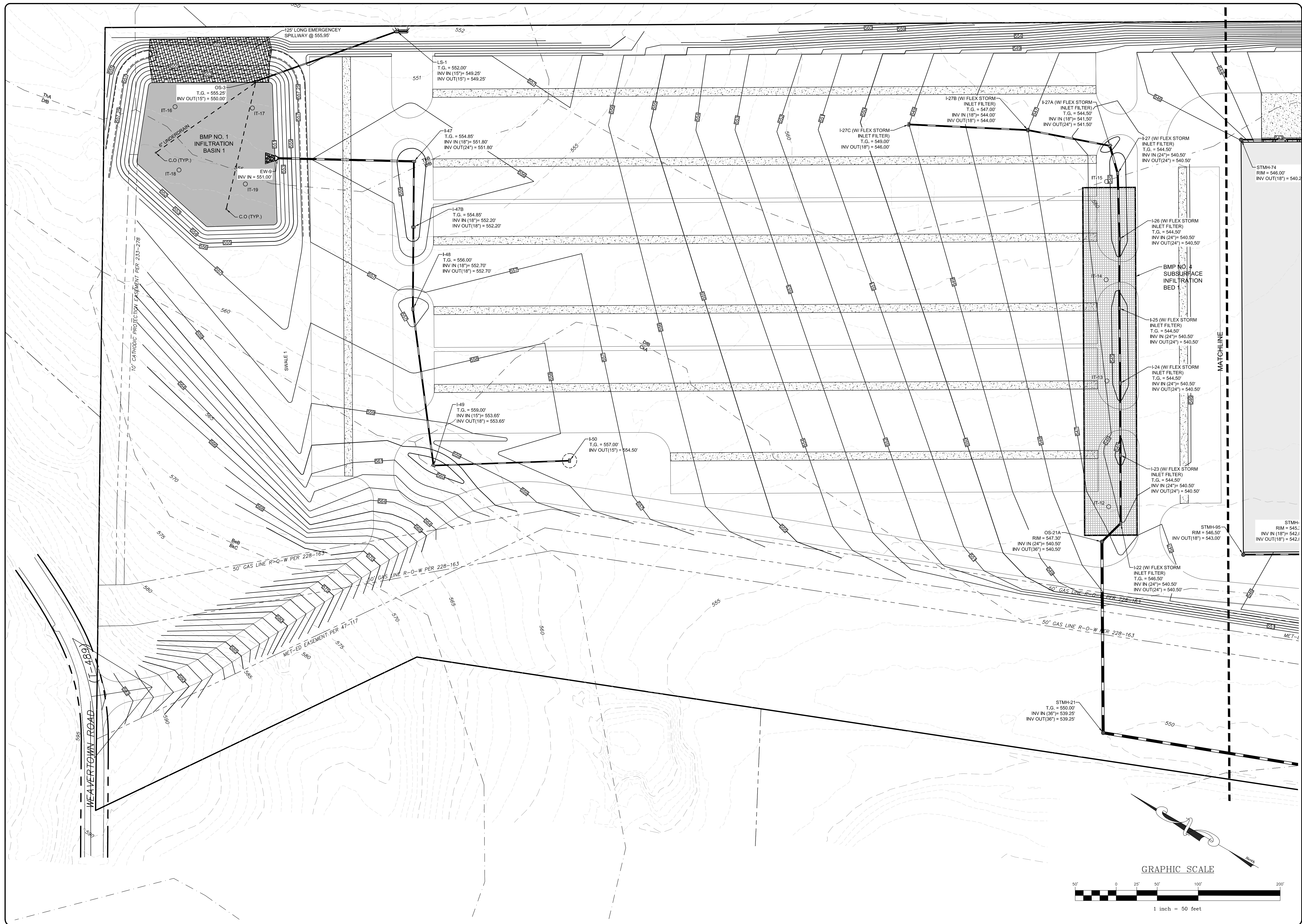


REVISION	DATE	BY

**POST CONSTRUCTION STORMWATER MANAGEMENT PLAN**  
 PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

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

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	#2214-22-001

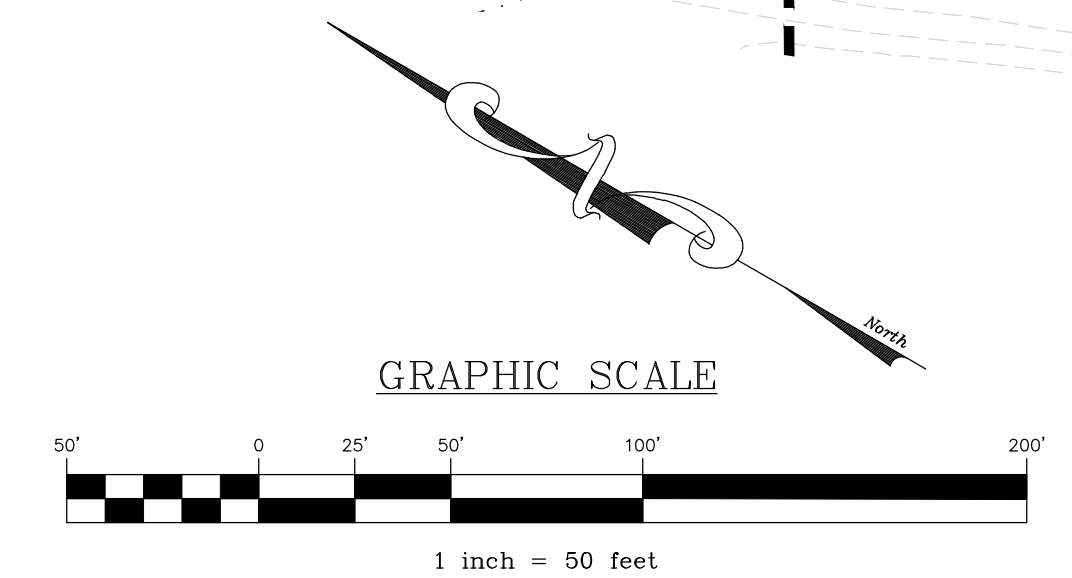


NO.	DATE	BY	REVISION

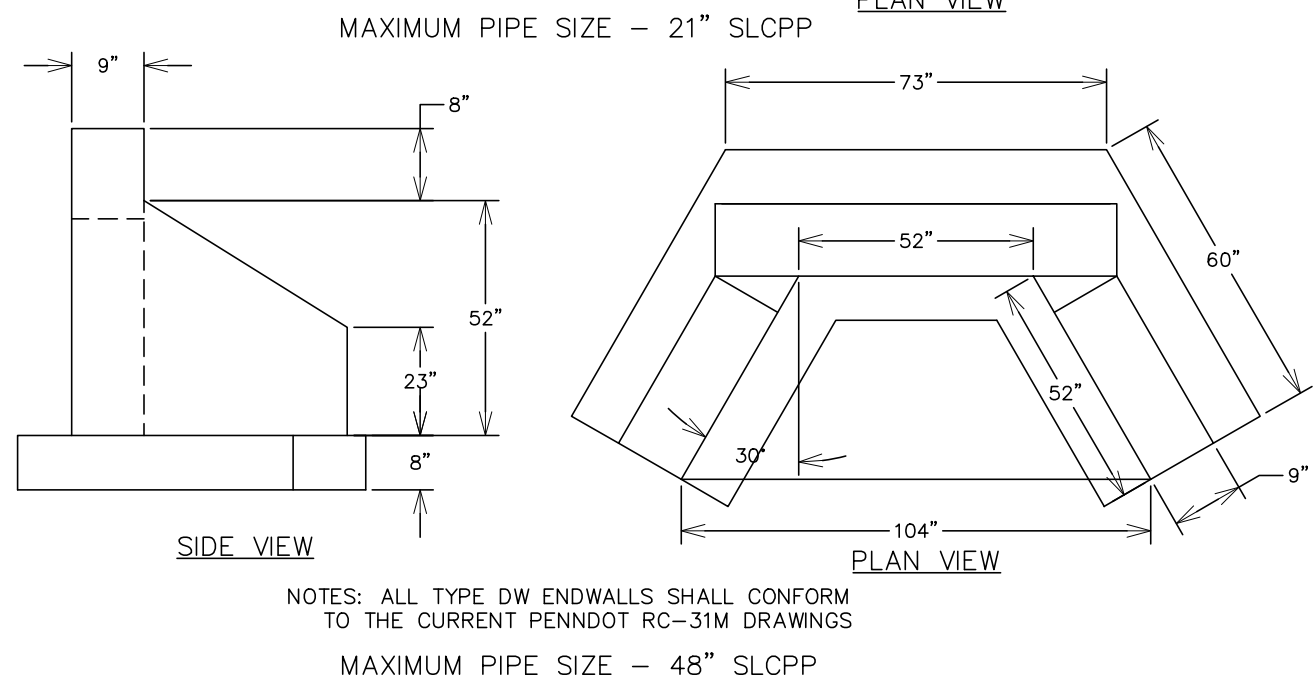
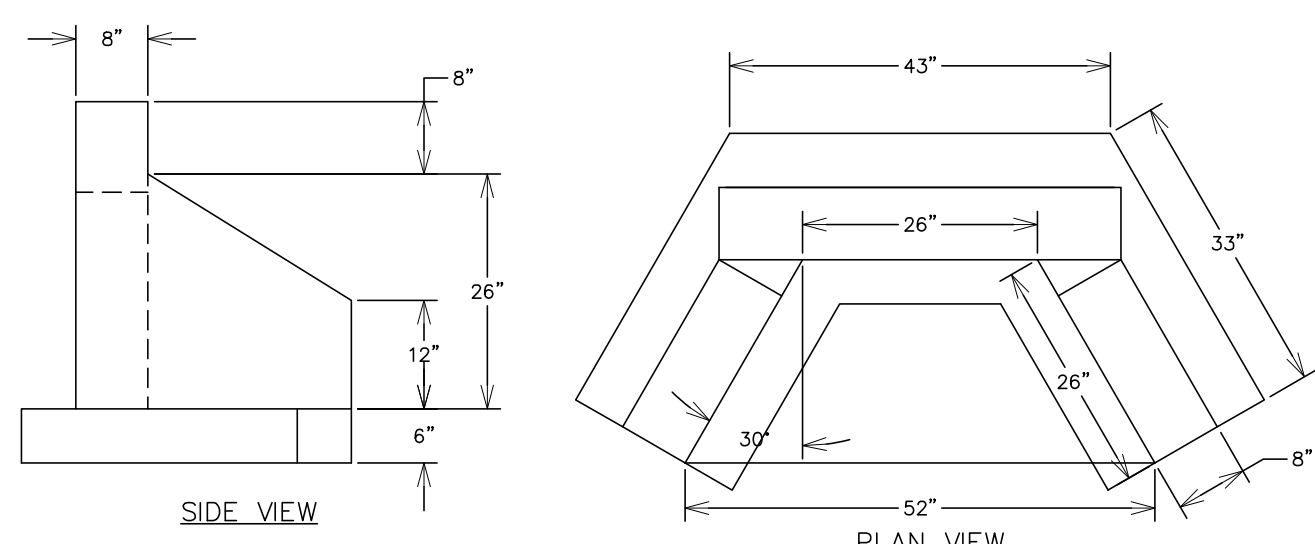
**POST CONSTRUCTION STORMWATER MANAGEMENT PLAN**  
 PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

**RSI**  
 Robb, Seibert & Ingersoll, Inc.  
 279 Lebanon, Pennsylvania 17042  
 Phone: (717) 272-7110  
 Fax: (717) 272-7348

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	2214-22-001

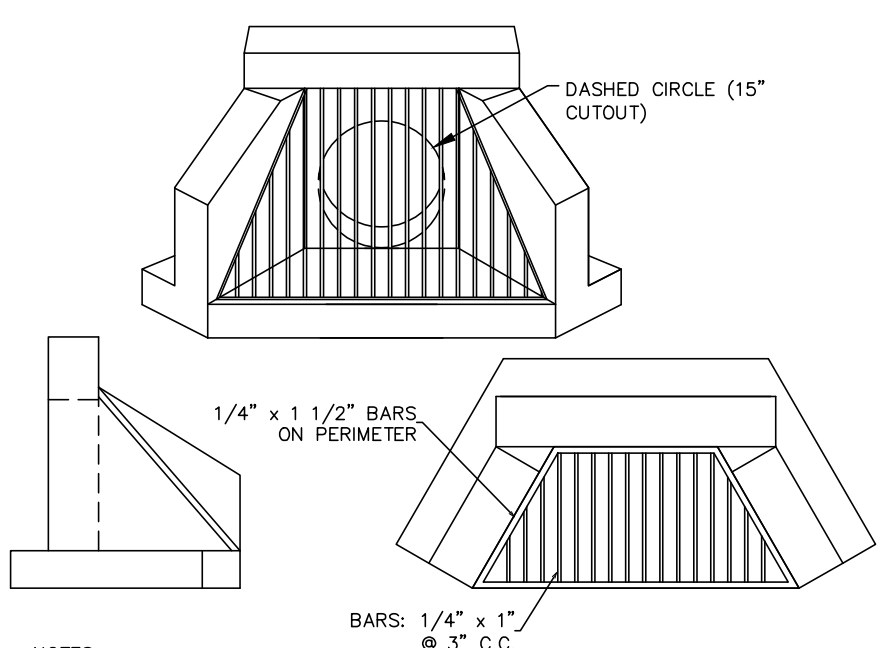






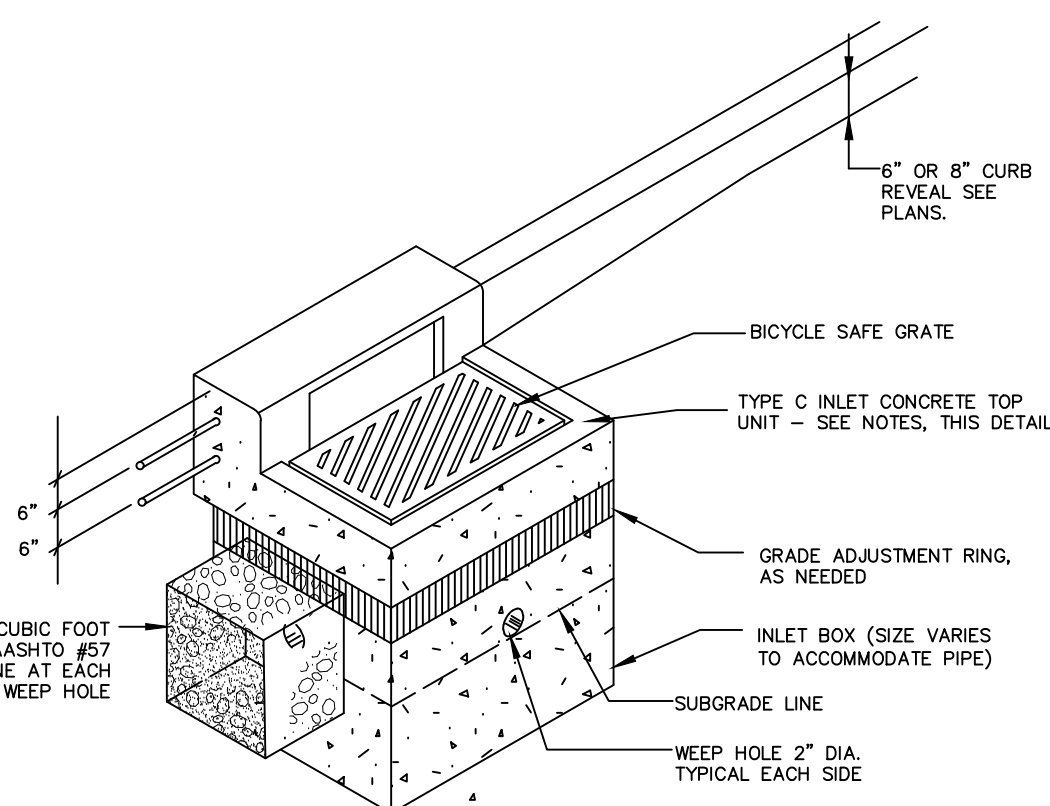
**TYPE DW ENDWALL DETAIL**

NO SCALE

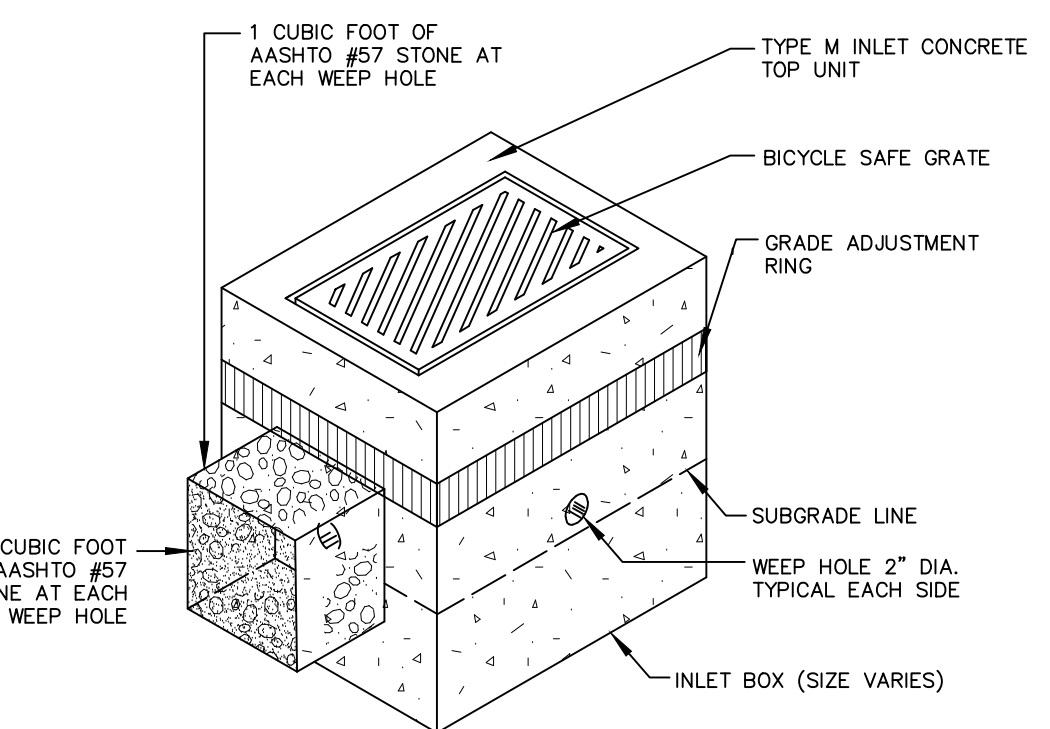


**TYPE DW ENDWALL WITH TRASH RACK DETAIL**

NO SCALE



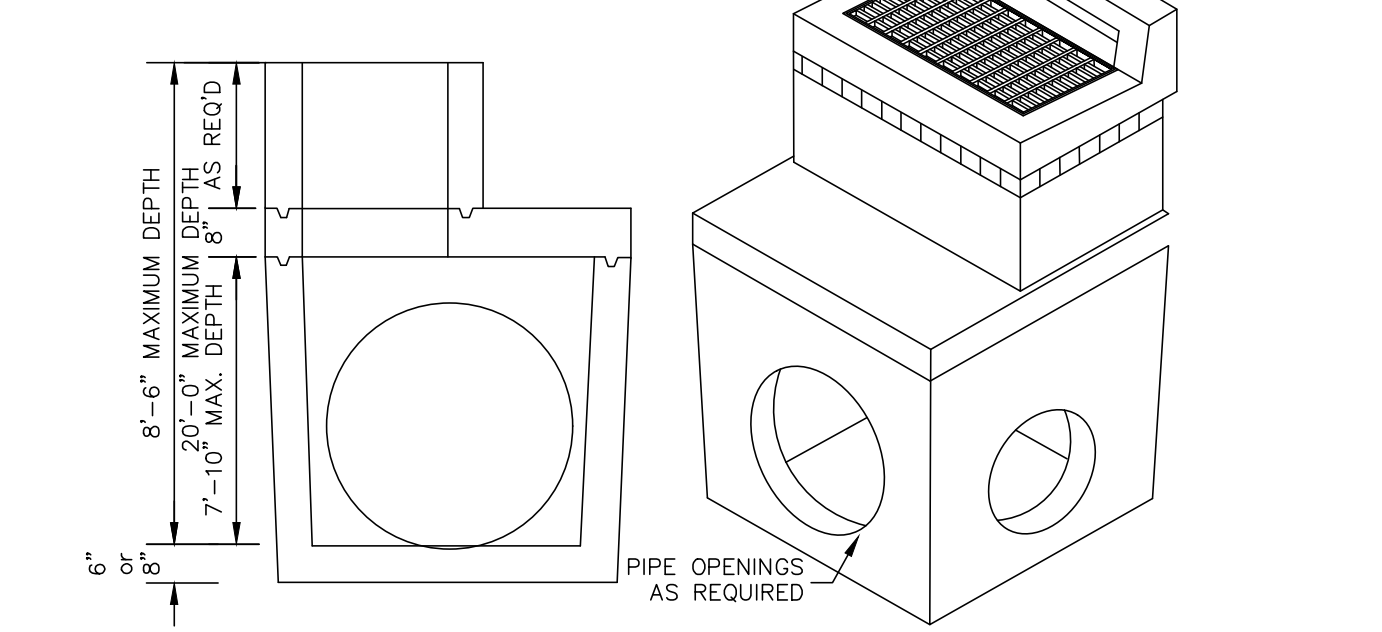
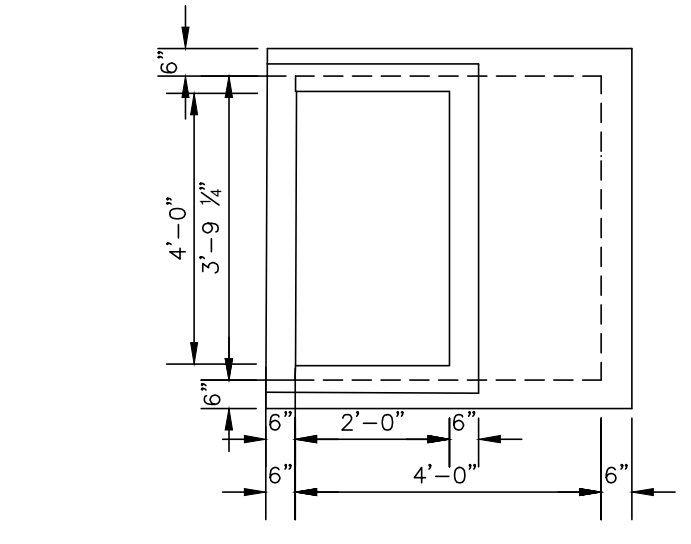
**PA DOT TYPE 'C' INLET**



**PA DOT TYPE 'M' INLET**

**PADOT STORMWATER INLETS (TYPE C & M)**

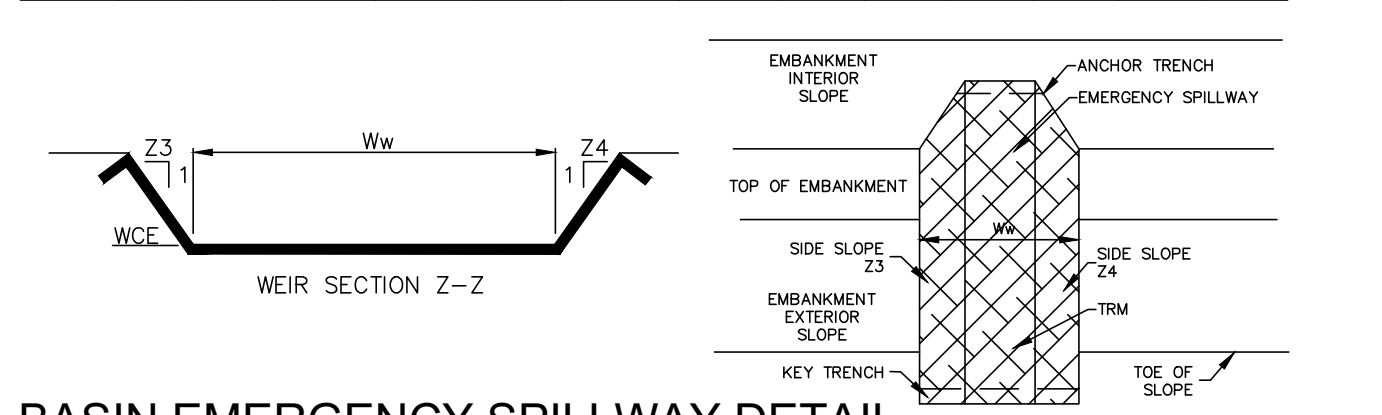
NO SCALE



**48" X 48" PRECAST INLET BOX**

NO SCALE

BASIN NO.	WEIR			CREST ELEV WCE (FT)	WIDTH Ww (FT)	TRM TYPE	STAPLE PATTERN	CHANNEL			DISSIPATOR			RIPRAP THICK. (IN)	RIPRAP DR. (N)
	Z3 (FT)	Z4 (FT)	TOP ELEV WTE (FT)					Z5 (FT)	DEPTH Cd (FT)	LENGTH Dl (FT)	WIDTH Dm (FT)	RIPRAP SIZE (R-...)	RIPRAP THICK. (IN)		
1	3	3	557.25	555.95	125	C350	E	3	1.30	7	N/A	N/A	N/A	N/A	N/A
2	3	3	541.25	539.95	140	C350	E	3	1.30	7	N/A	N/A	N/A	N/A	N/A
3	3	3	515.25	513.90	550	C350	E	3	1.35	7	N/A	N/A	N/A	N/A	N/A



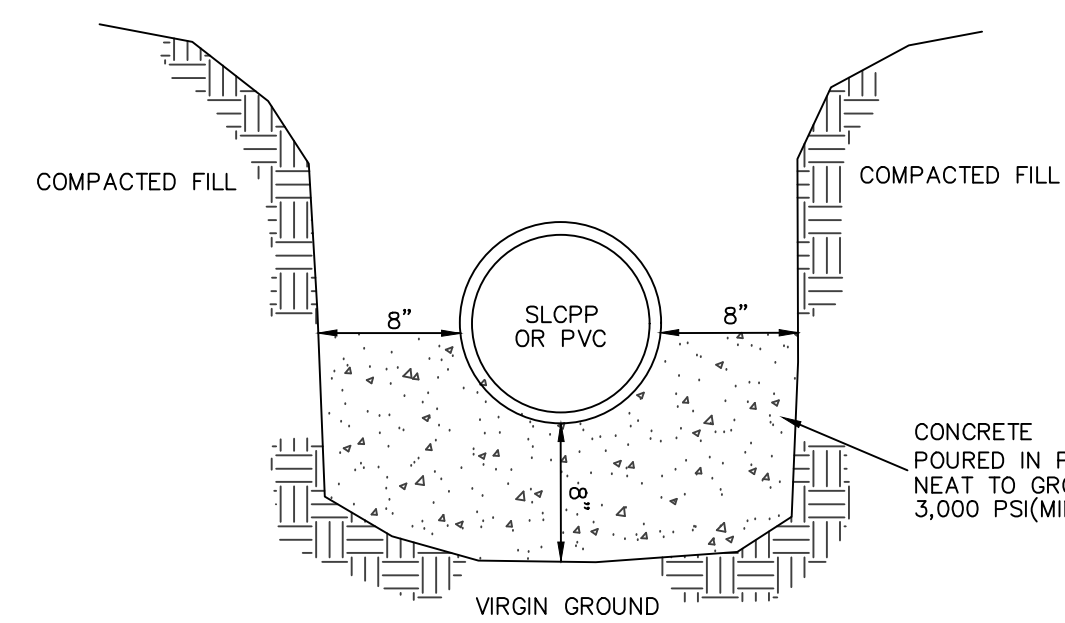
**BASIN EMERGENCY SPILLWAY DETAIL**

NO SCALE

**NOTES:**  
 1. INLETS ARE CONSTRUCTED IN ACCORDANCE WITH REQUIREMENTS OF PUBLICATION 708, SECTION 714.  
 2. CONCRETE CONFORMS TO PUBLICATION 408, SECTION 704, CLASS AA.  
 3. REINFORCING STEEL CONFORMS TO PUBLICATION 408, SECTION 709.  
 4. INLET DEPTHS AVAILABLE IN 3" INCREMENTS. FINAL GRADE ADJUSTMENT SHALL BE COMPLETED IN FIELD BY OTHERS. INLET BOTTOM SHALL BE SHAPED TO CHANNEL FLOW TOWARD OUTLET PIPE (IN FIELD BY OTHERS).  
 5. ALL INLETS OVER FOUR (4) FEET IN DEPTH SHALL BE PROVIDED WITH STEPS IN ACCORDANCE WITH RC-39M.

**STORM STRUCTURES REQUIRING OVERSIZED BOXES:**

I-11	I-43
I-12	I-68
I-13A	I-68
I-30	EX-3
I-31	EX-4
I-32	EX-5
I-34	
I-35	

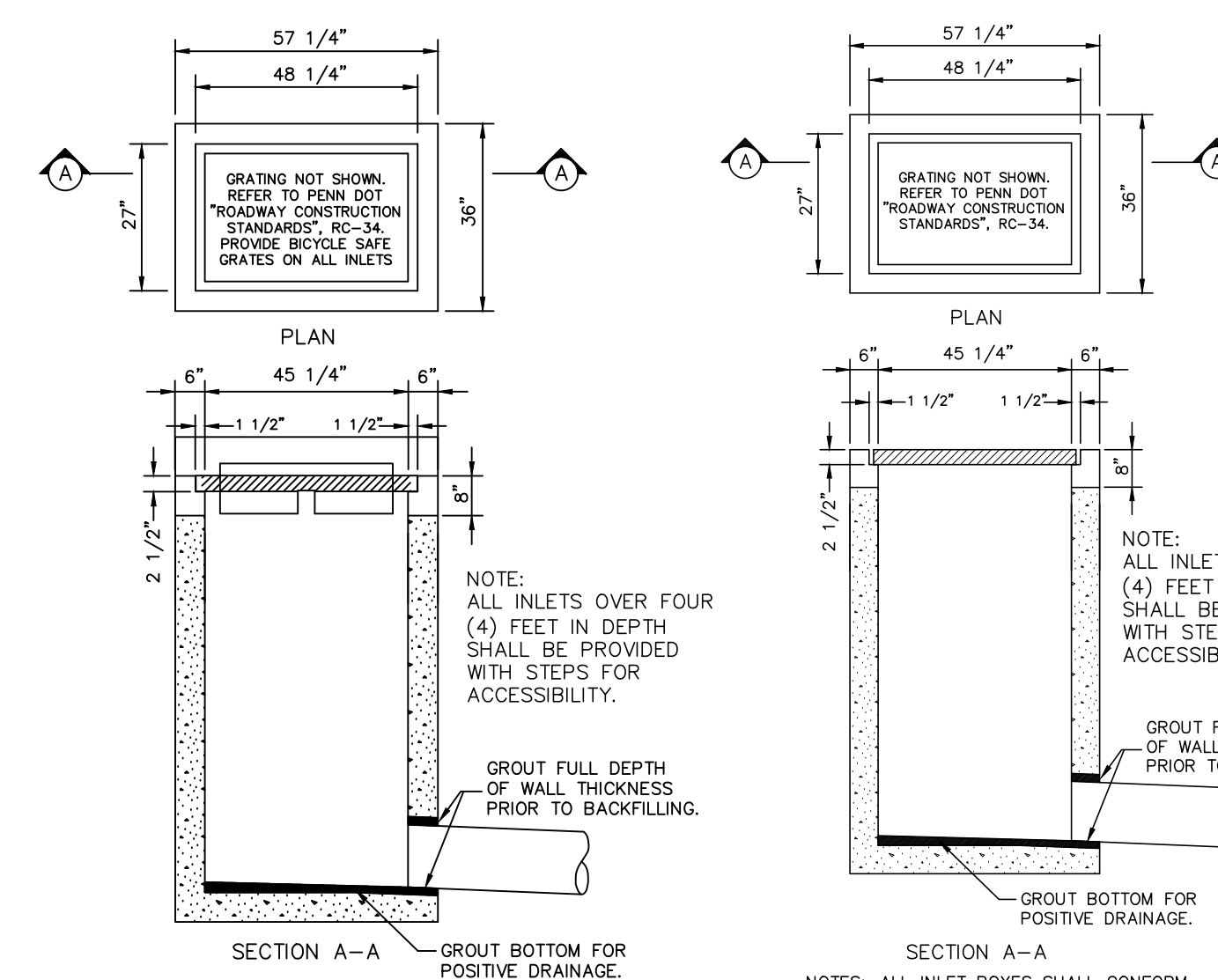


**CROSS-SECTION AT OUTLET BARREL**

- 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

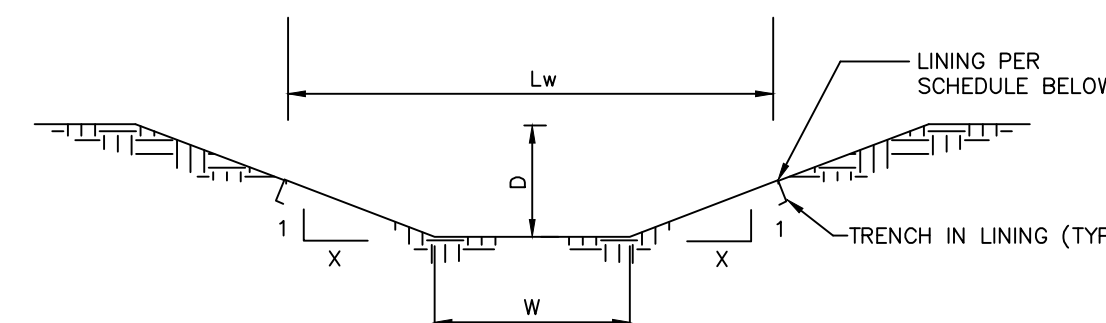


**TYPE C INLET CROSS SECTION DETAIL**

NO SCALE

**TYPE M INLET CROSS SECTION**

NO SCALE

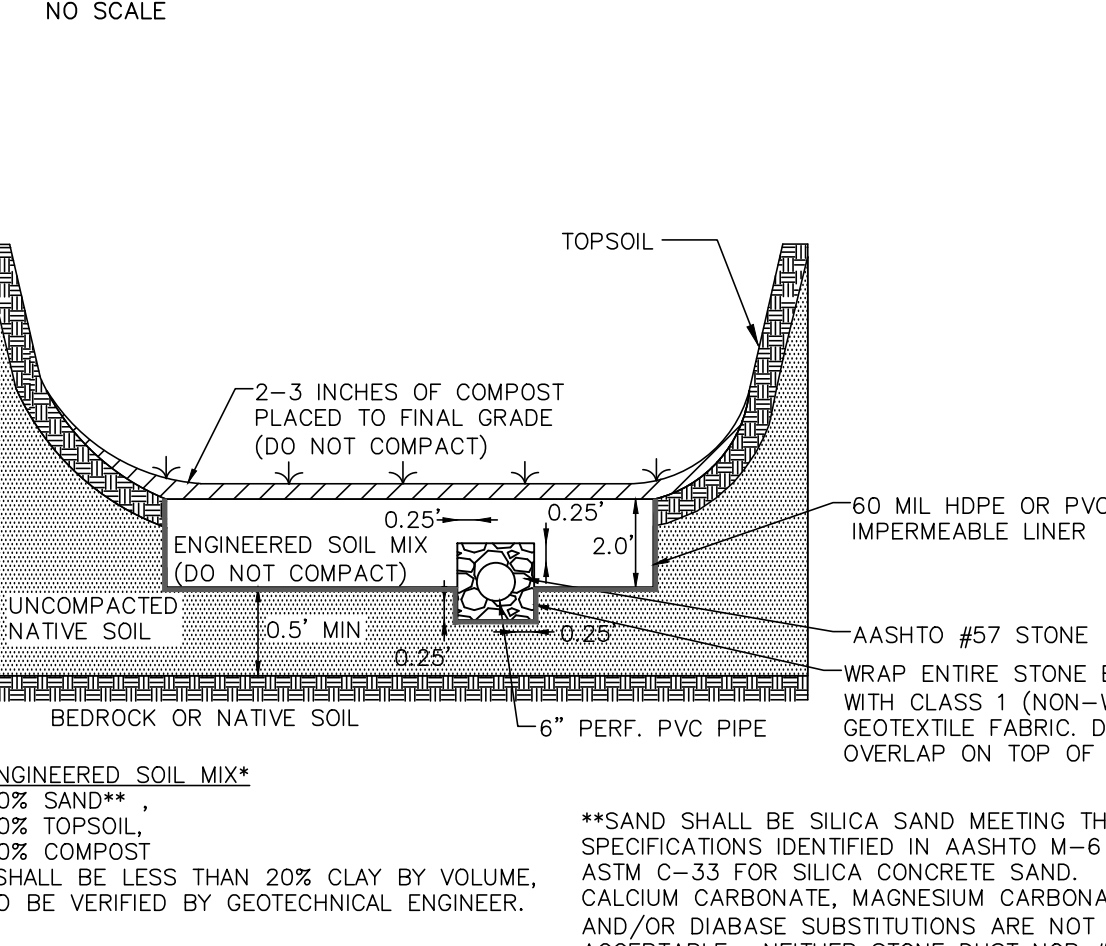


**CROSS SECTION**

SWALE NO.	WIDTH (W)	DEPTH (D)	SIDE SLOPE(S)	SLOPE %	LINING	TEMPORARY LINING	STAPLE PATTERN
1	2'	1'	7.5	5%	GRASS	N.A.G. P-300	E
2	1'	1'	3	6.7%	GRASS	N.A.G. S-75	D
3	1.5'	1'	3	5%	GRASS	N.A.G. S-75	D

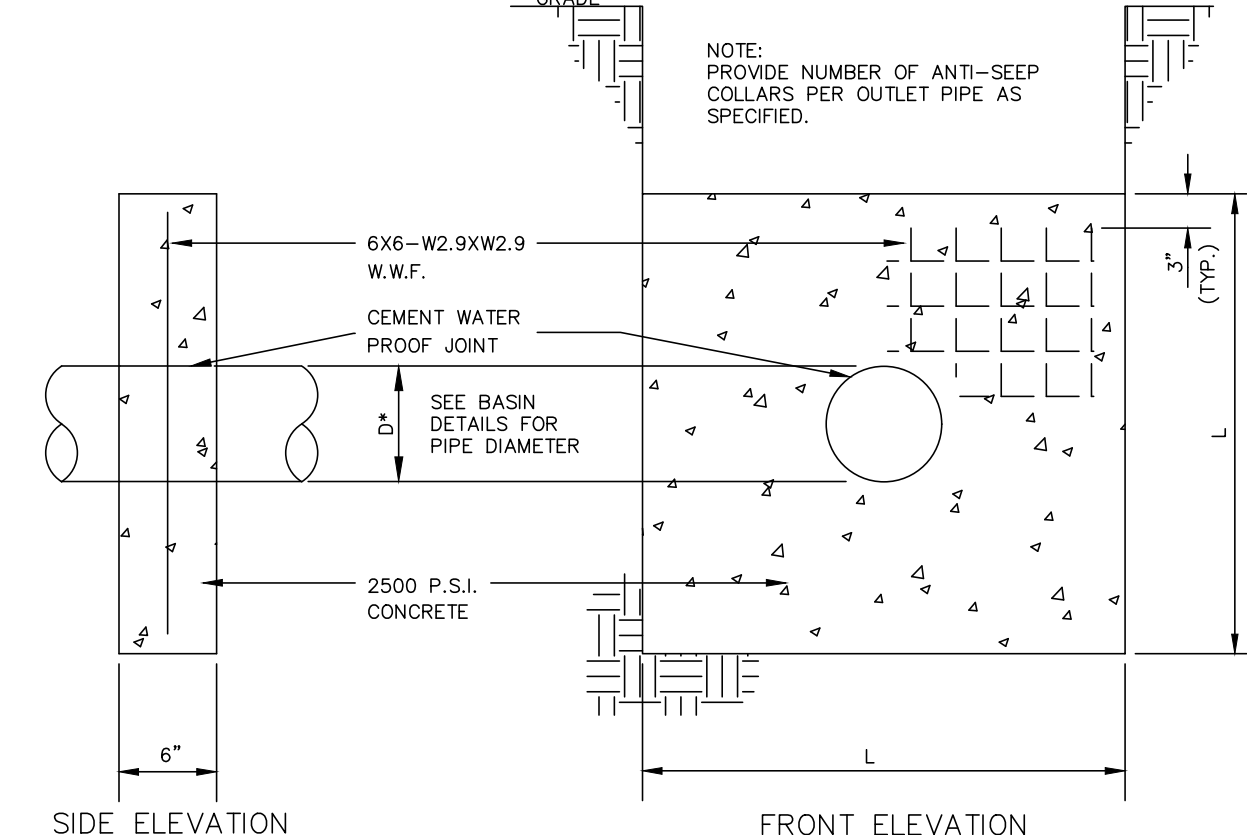
**STORMWATER SWALE DETAIL**

NO SCALE



**MRC BASIN 1 BOTTOM DETAIL**

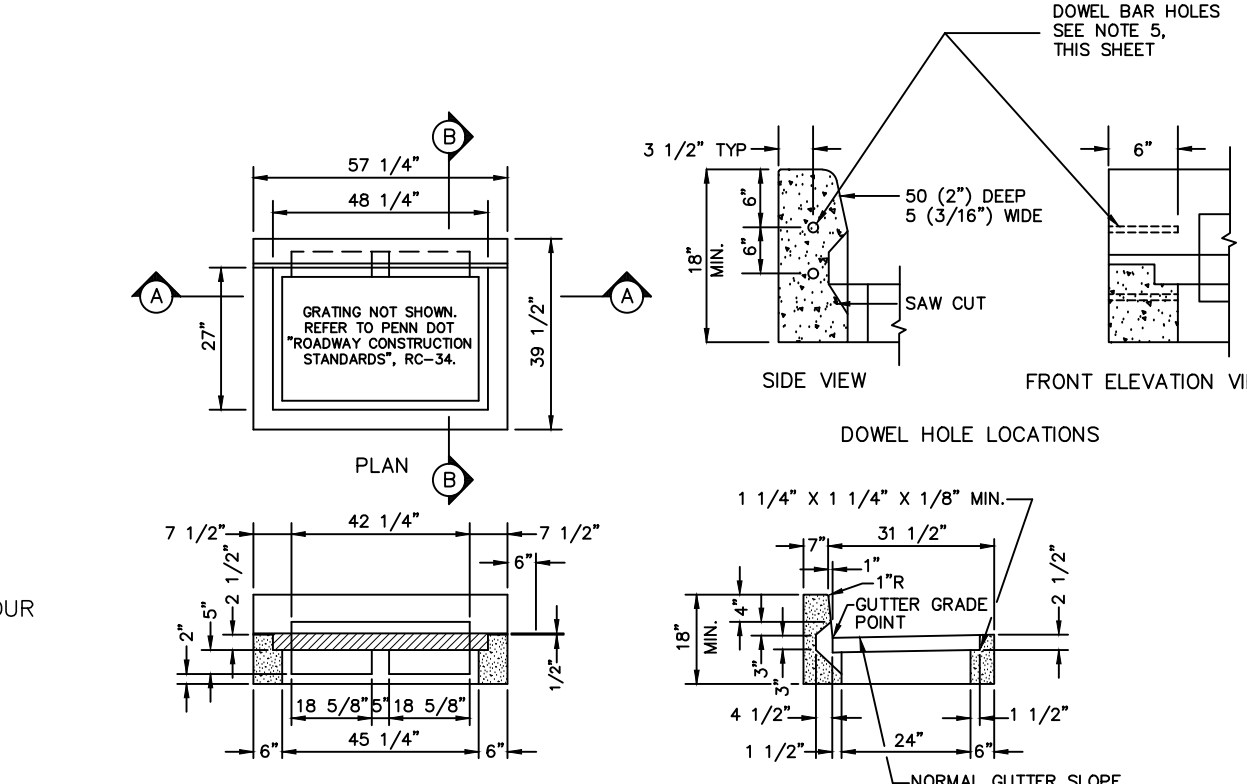
NO SCALE



BASIN	L	DIA.	# OF COLLARS
1	6.99'	18"	2
2	6.66'	18"	2
3	6.70'	24"	2

**CONCRETE ANTI-SEEP COLLAR**

NO SCALE

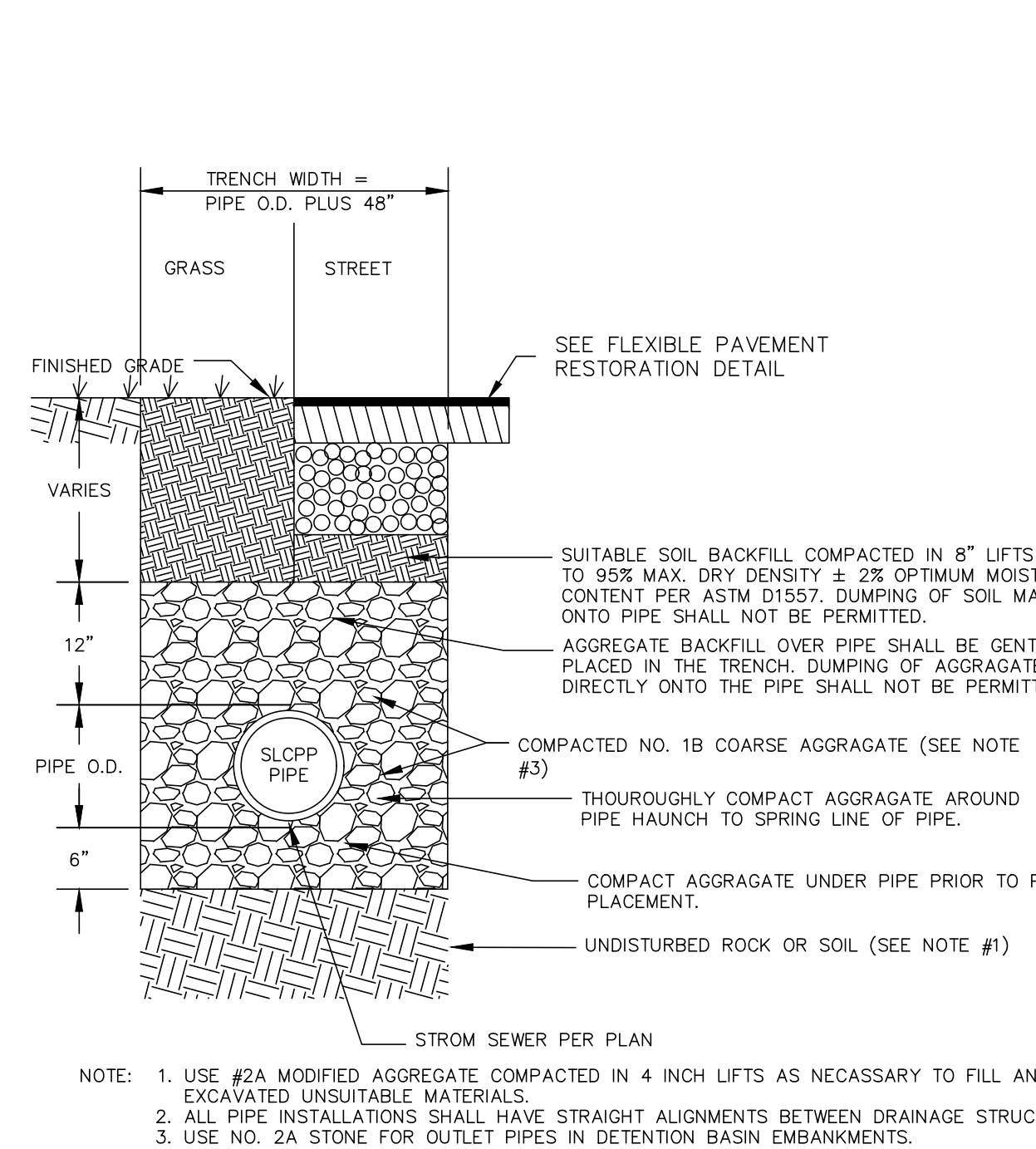


**CONCRETE ANTI-SEEP COLLAR**

- NOTES SECTION A-A**  
 1. THIS DETAIL DEPICTS THE SHAPE AND DIMENSIONS REQUIRED FOR UNIFORMITY AND COMPATIBILITY. PERMIT ONLY TOP UNITS SUPPLIED BY A MANUFACTURER LISTED IN BULLETIN 15. FOR DEVIATIONS OR MODIFICATIONS OF THE STANDARDS SUBMIT SHOP DRAWINGS FOR APPROVAL.  
 2. CAST-IN-PLACE TOP UNITS MAY BE MONOLITHIC WITH THE INLET BOX.  
 3. PROVIDE ANGLE EMBEDDED IN THE CONCRETE AS A BEARING AREA FOR THE GRATE FOR ALL TOP UNITS WHICH SEAT THE GRATE DIRECTLY WITHIN THE UNIT.  
 4. PLACE A TYPE M INLET ADJACENT TO THE BACK EDGE OF THE CURB, FLUSH WITH THE PAVEMENT SURFACE, WHEN REQUIRED WITHIN A CONCRETE MOUNTABLE CURB SECTION.  
 5. DOWEL TYPE C INLET TOP UNITS WITH 2-#25 x 300 (2-#8 x 1'-0") DOWEL BARS AND PLACE PREMOULD EXPANSION JOINT FILLER 6 (1/4") WIDE WHEN CONNECTED TO ADJACENT CURB SECTION.  
 6. THE PLACEMENT OF THE TYPE S INLET RELATIVE TO THE GUTTER INVERT IS DEPENDENT ON THE RATE OF BACK SLOPE. FOR BACK SLOPES GREATER THAN 1:2 (2:1), LOCATE THE INLET WHERE THE BACK SLOPE LINE INTERSECTS THE BACK, TOP, OUTSIDE CORNER OF THE INLET. FOR BACK SLOPES LESS THAN 1:2 (2:1), LOCATE THE INLET WHERE THE BACK SLOPE LINE INTERSECTS THE EDGE OF THE INLET GRATE.  
 7. TAPERS MAY BE PROVIDED ON INSIDE VERTICAL FACES OF PRECAST INLET TOPS TO FACILITATE FORM STRIPPING. TAPERS WILL RESULT IN INTERNAL BOTTOM DIMENSIONS THAT VARY TO A MAXIMUM OF .25 MM (1/16").
- NOTES SECTION B-B**  
 1. THIS DETAIL DEPICTS THE SHAPE AND DIMENSIONS REQUIRED FOR UNIFORMITY AND COMPATIBILITY. PERMIT ONLY TOP UNITS SUPPLIED BY A MANUFACTURER LISTED IN BULLETIN 15. FOR DEVIATIONS OR MODIFICATIONS OF THE STANDARDS SUBMIT SHOP DRAWINGS FOR APPROVAL.  
 2. CAST-IN-PLACE TOP UNITS MAY BE MONOLITHIC WITH THE INLET BOX.  
 3. PROVIDE ANGLE EMBEDDED IN THE CONCRETE AS A BEARING AREA FOR THE GRATE FOR ALL TOP UNITS WHICH SEAT THE GRATE DIRECTLY WITHIN THE UNIT.  
 4. PLACE A TYPE M INLET ADJACENT TO THE BACK EDGE OF THE CURB, FLUSH WITH THE PAVEMENT SURFACE, WHEN REQUIRED WITHIN A CONCRETE MOUNTABLE CURB SECTION.  
 5. DOWEL TYPE C INLET TOP UNITS WITH 2-#25 x 300 (2-#8 x 1'-0") DOWEL BARS AND PLACE PREMOULD EXPANSION JOINT FILLER 6 (1/4") WIDE WHEN CONNECTED TO ADJACENT CURB SECTION.  
 6. THE PLACEMENT OF THE TYPE S INLET RELATIVE TO THE GUTTER INVERT IS DEPENDENT ON THE RATE OF BACK SLOPE. FOR BACK SLOPES GREATER THAN 1:2 (2:1), LOCATE THE INLET WHERE THE BACK SLOPE LINE INTERSECTS THE BACK, TOP, OUTSIDE CORNER OF THE INLET. FOR BACK SLOPES LESS THAN 1:2 (2:1), LOCATE THE INLET WHERE THE BACK SLOPE LINE INTERSECTS THE EDGE OF THE INLET GRATE.  
 7. TAPERS MAY BE PROVIDED ON INSIDE VERTICAL FACES OF PRECAST INLET TOPS TO FACILITATE FORM STRIPPING. TAPERS WILL RESULT IN INTERNAL BOTTOM DIMENSIONS THAT VARY TO A MAXIMUM OF .25 MM (1/16").

**PENNDOT TYPE C INLET TOP DETAIL**

NO SCALE



**TYPICAL SLCPP TRENCH DETAIL (PUB. 72M, RC-30M)**

NO SCALE

POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS

PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
 NLT WAREHOUSE AND TRAILER STORAGE

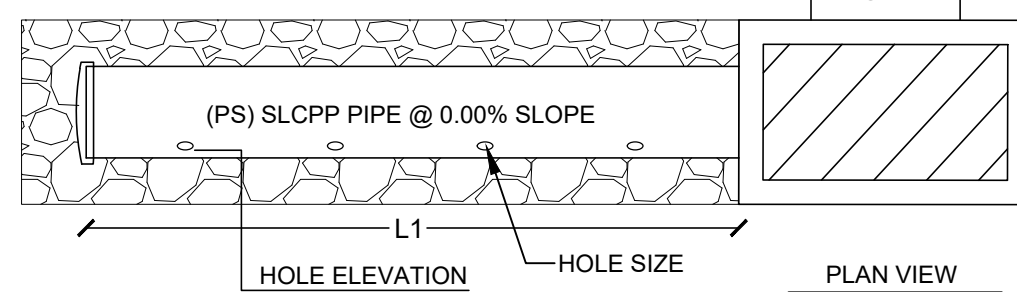
North Lebanon Township  
 Lebanon County, Pennsylvania

REVISION	DATE	BY

FIELD CREW: TB/SS  
 BASE MAP: MA  
 DRAWN: CDS  
 DESIGN: CDS  
 CHECKED: SS  
 DATE: 08-05-22  
 SCALE: 1"=50'  
 PROJECT # 2214-22-001

20  
 20 OF 56 SHEETS

- NOTES:**
- LEVEL SPREADER PIPE SHALL BE INSTALLED FLAT WITH ALL HOLES IN THE PIPE INSTALLED AT THE SAME ELEVATION TO ALLOW EVEN DISTRIBUTION OF STORM WATER DISCHARGE.
  - PROVIDE AASHTO #1 AROUND PIPE HOLES TO ALLOW FOR EVEN DISTRIBUTION OF STORM DISCHARGE. STONE SHALL EXTEND 12" BEYOND FRONT FACE OF STORM INLET.
  - PROVIDE AN ADDITIONAL 12" (TAPERED TO 24" AT DISCHARGE ELEVATION) OF R-3 RIPRAP TO PROTECT THE AASHTO #1 STONE AND THE STORM PIPE.
  - 6" OF COMPACTED 2A STONE SHALL BE PROVIDED BENEATH THE LEVEL SPREADER PIPE TO PROVIDE AN EVEN FLAT SURFACE FOR THE PIPE TO SIT ON.
  - INLET SHALL BE SUMPED 12" TO ALLOW COLLECTION OF DEBRIS TO PREVENT CLOGGING OF LEVEL SPREADER PIPE. INLET SHALL BE MONITORED AND CLEANED AT LEAST TWICE PER YEAR.



LEVEL SPREADER						
Basin Outlet	Pipe Size (PS)	Hole Size	Hole Elevation	Hole Spacing (HS)	# of Holes	Total Pipe Length (L1)
1	15"	1.0"	549.55	0.100'	120	12.00'

**LEVEL SPREADER DETAIL**

NO SCALE

ALL INLETS DENOTED BELOW SHALL BE INSTALLED WITH A FLEXSTORM PURE FILTER OR APPROVED EQUIVALENT.

**INLETS**  
I-22, I-23, I-24, I-25, I-26, I-27, I-27A, I-27B, I-27C

**INSTALLATION:**

- INSTALL PCSM WATER QUALITY FILTERS ONLY AFTER THE TRIBUTARY AREA IS STABLE.
- REMOVE THE GRATE. ENGAGE THE LIFTING BARS OR HANDLES WITH THE FLEXSTORM REMOVAL TOOL, AND LIFT FROM THE DRAINAGE STRUCTURE.
- CLEAN THE LEDGE (LIP) OF THE CASTING FRAME OR DRAINAGE STRUCTURE TO ENSURE IT IS FREE OF STONE AND DIRT.
- DROP IN THE FLEXSTORM INLET FILTER THROUGH THE CLEAR OPENING AND BE SURE THE SUSPENSION HANGERS REST FIRMLY ON THE INSIDE LEDGE (LIP) OF THE CASTING.
- REPLACE THE GRATE AND CONFIRM IT IS ELEVATED NO MORE THAN 1/8", WHICH IS THE THICKNESS OF THE STEEL HANGERS.

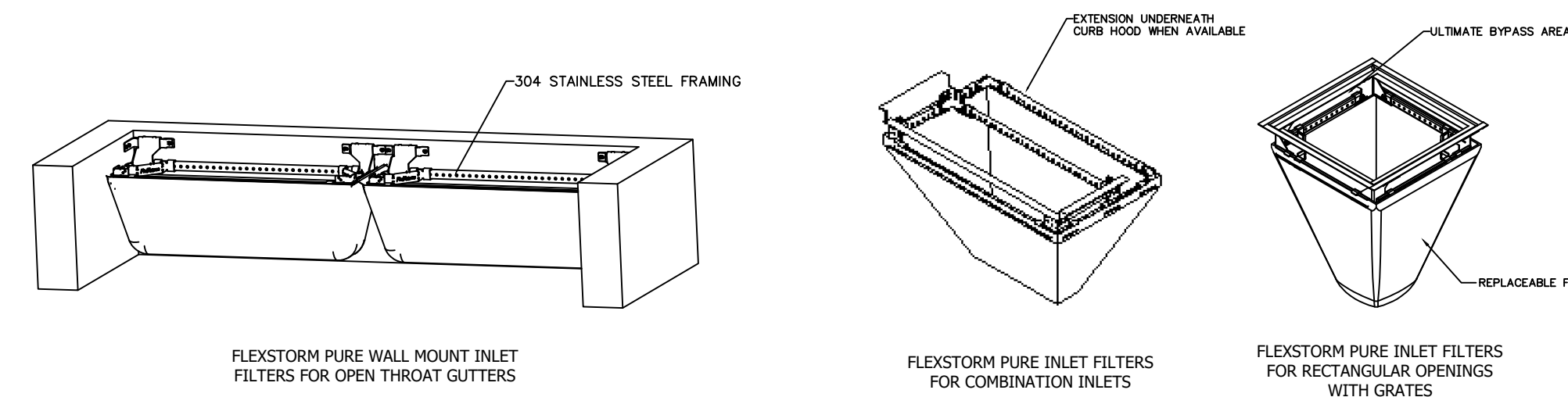
**MAINTENANCE:**

- EMPTY THE SEDIMENT BAG IF MORE THAN HALF FILLED WITH SEDIMENT AND DEBRIS, OR AS DIRECTED BY THE ENGINEER.
- REMOVE THE GRATE. ENGAGE THE LIFTING BARS OR HANDLES WITH THE FLEXSTORM REMOVAL TOOL, AND LIFT FROM THE DRAINAGE STRUCTURE.
- DISPOSE OF THE SEDIMENT OR DEBRIS AS DIRECTED BY THE ENGINEER OR MAINTENANCE CONTRACT IN ACCORDANCE WITH EPA GUIDELINES.
- AS AN ALTERNATIVE, AN INDUSTRIAL VACUUM MAY BE USED TO COLLECT THE ACCUMULATED SEDIMENT.
- REMOVE ANY CAKED-ON SILT FROM THE SEDIMENT BAG AND REVERSE FLUSH THE BAG WITH MEDIUM SPRAY FOR OPTIMAL FILTRATION.
- REPLACE THE BAG IF TORN OR PUNCTURED TO 1/2" DIAMETER OR GREATER ON THE LOWER HALF OF THE BAG.
- DISPOSE OF ALL OIL CONTAMINATED PRODUCTS IN ACCORDANCE WITH EPA GUIDELINES.
- REMOVE THE BAG BY LOOSENING OR CUTTING OFF THE CLAMPING BAND.
- TAKE THE NEW SEDIMENT BAG, WHICH IS EQUIPPED WITH A STAINLESS-STEEL WORM DRIVE CLAMPING BAND, AND USE A SCREW DRIVER TO TIGHTEN THE BAG AROUND THE FRAME CHANNEL.
- ENSURE THE BAG IS SECURE AND THAT THERE IS NO SLACK AROUND THE PERIMETER OF THE BAND.
- WRITTEN REPORTS DOCUMENTING ALL INSPECTIONS, REPAIRS, AND MAINTENANCE ACTIVITIES SHALL BE MAINTAINED ON SITE BY THE PROPERTY OWNER AT ALL TIMES.

**SPECIFICATIONS:**

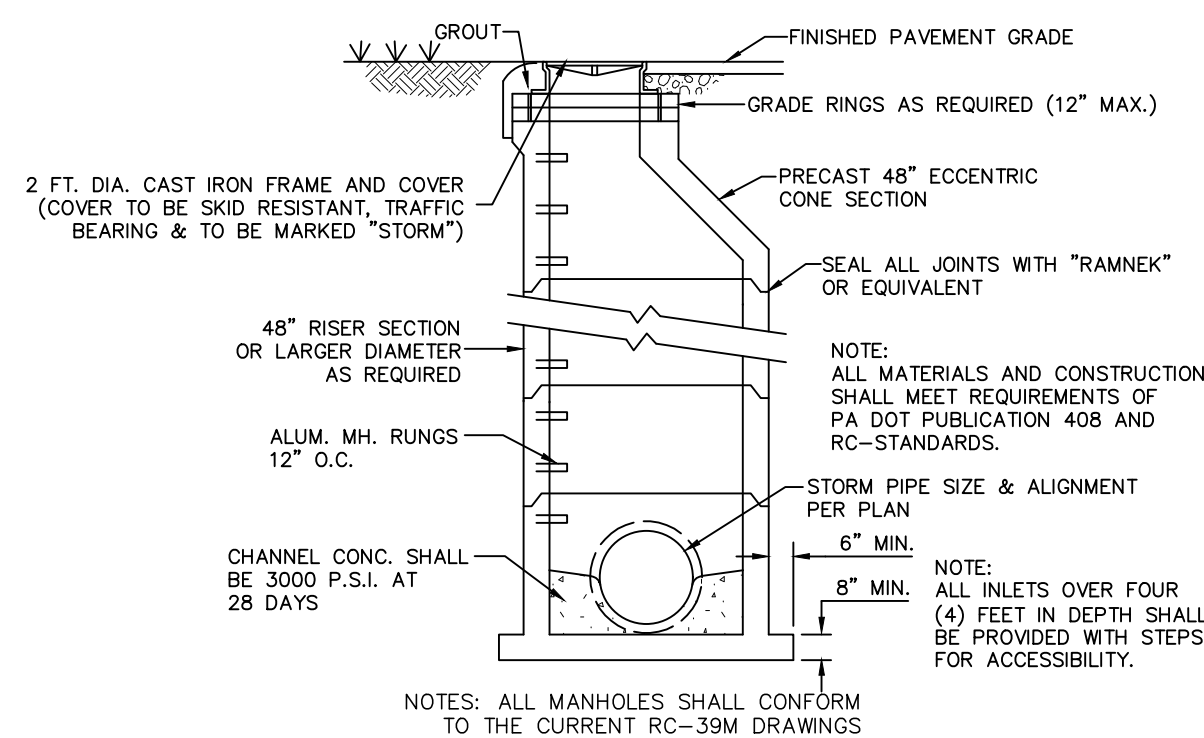
- ALL FRAMING SHALL BE CONSTRUCTED OF 304 STAINLESS STEEL FOR 25 YEAR SERVICE LIFE RATING.
- REPLACEABLE GEOTEXTILE FILTER BAG SHALL BE ATTACHED TO THE FRAME WITH A STAINLESS STEEL LOCKING BAND.
- TOTAL BYPASS CAPACITY BYPASS CAPACITY WILL VARY WITH EACH SIZE DRAINAGE STRUCTURE. FLEXSTORM DESIGNS FRAMING BYPASS TO MEET OR EXCEED THE DESIGN FLOW OF THE PARTICULAR DRAINAGE STRUCTURE.
- UPON ORDERING CONFIRMATION OF THE DOT CALLOUT, PRECAST OR CASTING MAKE AND MODEL, OR DETAILED DIMENSIONAL FORMS MUST BE PROVIDED TO CONFIGURE AND ASSEMBLE YOUR CUSTOMIZED FLEXSTORM INLET FILTER. PART NUMBER ALONE IS NOT SUFFICIENT.

For Open Throat Curb Inlets - Mounted to Wall Beneath Curb Opening		For Rectangular/Square Openings with Grates			Minimum Bypass Flow Rates (CF5) <sup>1</sup>
Curb Opening Size	Flexstorm Frame P/N	Flexstorm Frame P/N	Combination P/N	Based on Nominal Frame Size with minimum 2" Bypass Flow Gap	
Up to 4" curb openings (1 Filter)	62HDWM1	62HD	62HD/DCB	2.4	
Between 4" and 8" curb openings (2 Filters)	62HDWM2	62MHD	62MHD/DCB	3.5	
Between 8" and 12" curb openings (3 Filters)	62HDWM3	62LHD	62LHD/DCB	5.0	
Between 12" and 18" curb openings (4 Filters)	62HDWM4	62XLHD	62XLHD/DCB	7.2	



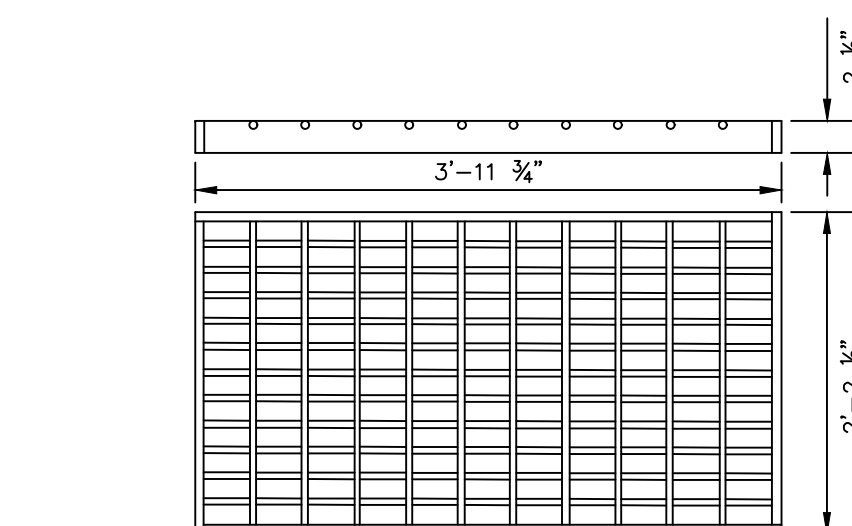
**FLEXSTORM FILTER BASKET DETAIL**

NO SCALE



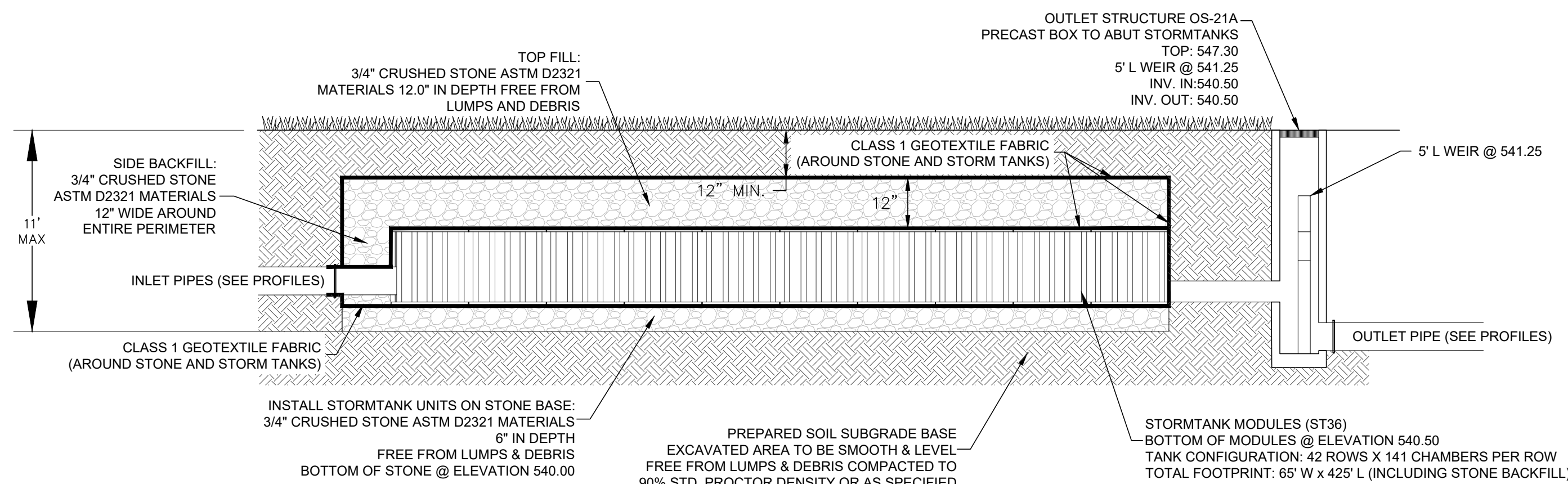
**STORMWATER MANHOLE CROSS SECTION**

NO SCALE



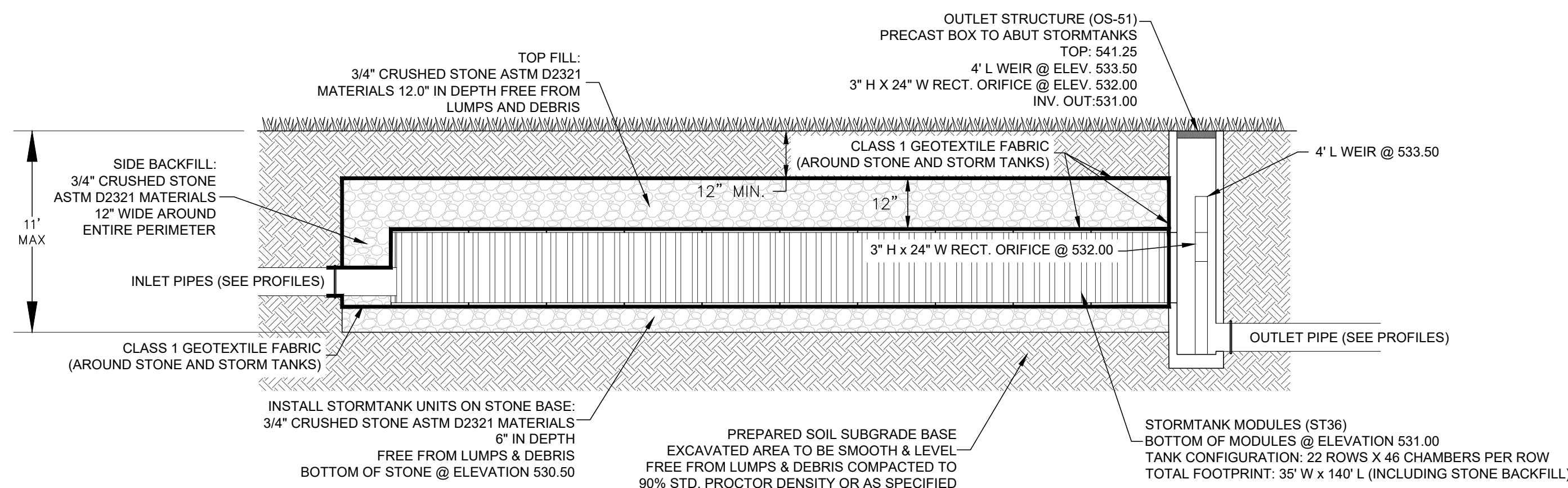
**STRUCTURAL STEEL GRATE-BICYCLE SAFE**

NO SCALE



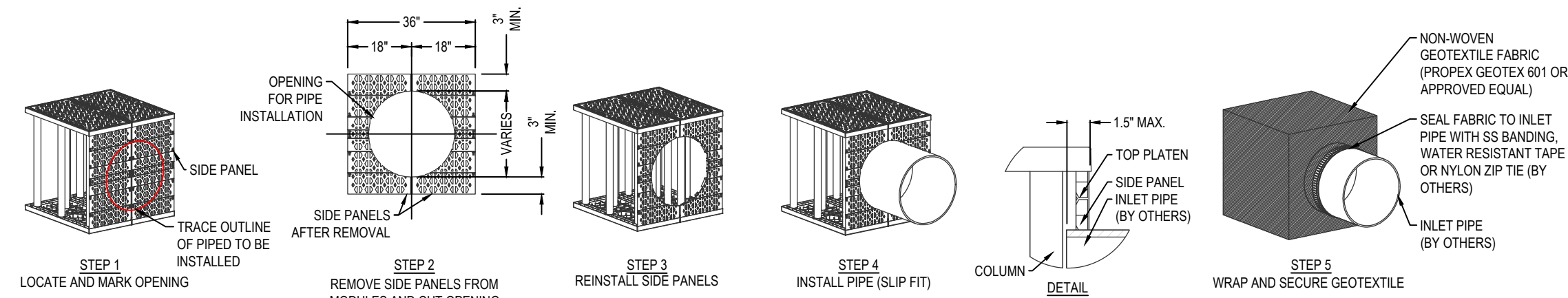
**STORM WATER - STORM TANK CROSS SECTION DETAIL - BMP NO. 4 SUBSURFACE INFILTRATION (BED 1)**

NO SCALE



**STORM WATER - STORM TANK CROSS SECTION DETAIL - BMP NO. 5 SUBSURFACE INFILTRATION (BED 2)**

NO SCALE

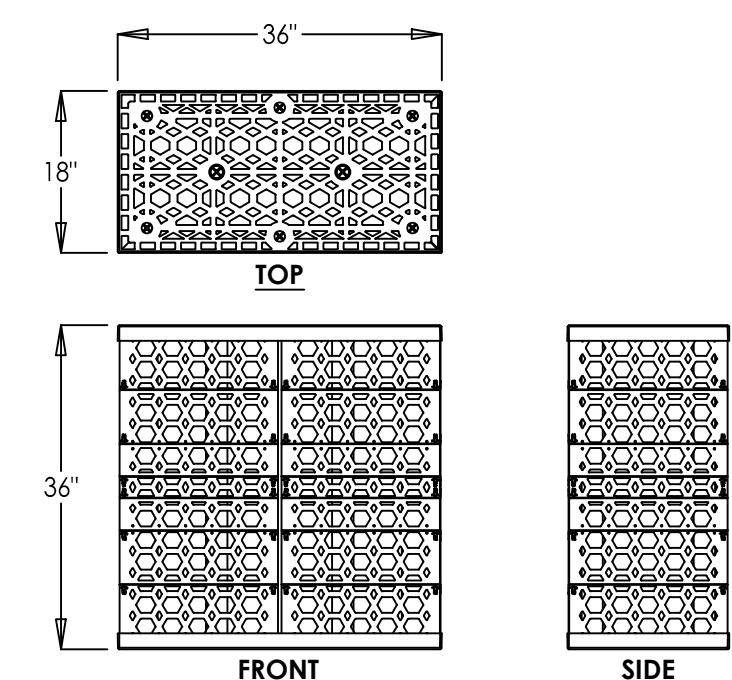


**NOTES:**

- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- DO NOT SCALE DRAWING.
- THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
- ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
- CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT [www.CADdetails.com/info](http://www.CADdetails.com/info) AND ENTER REFERENCE NUMBER 4907-006.

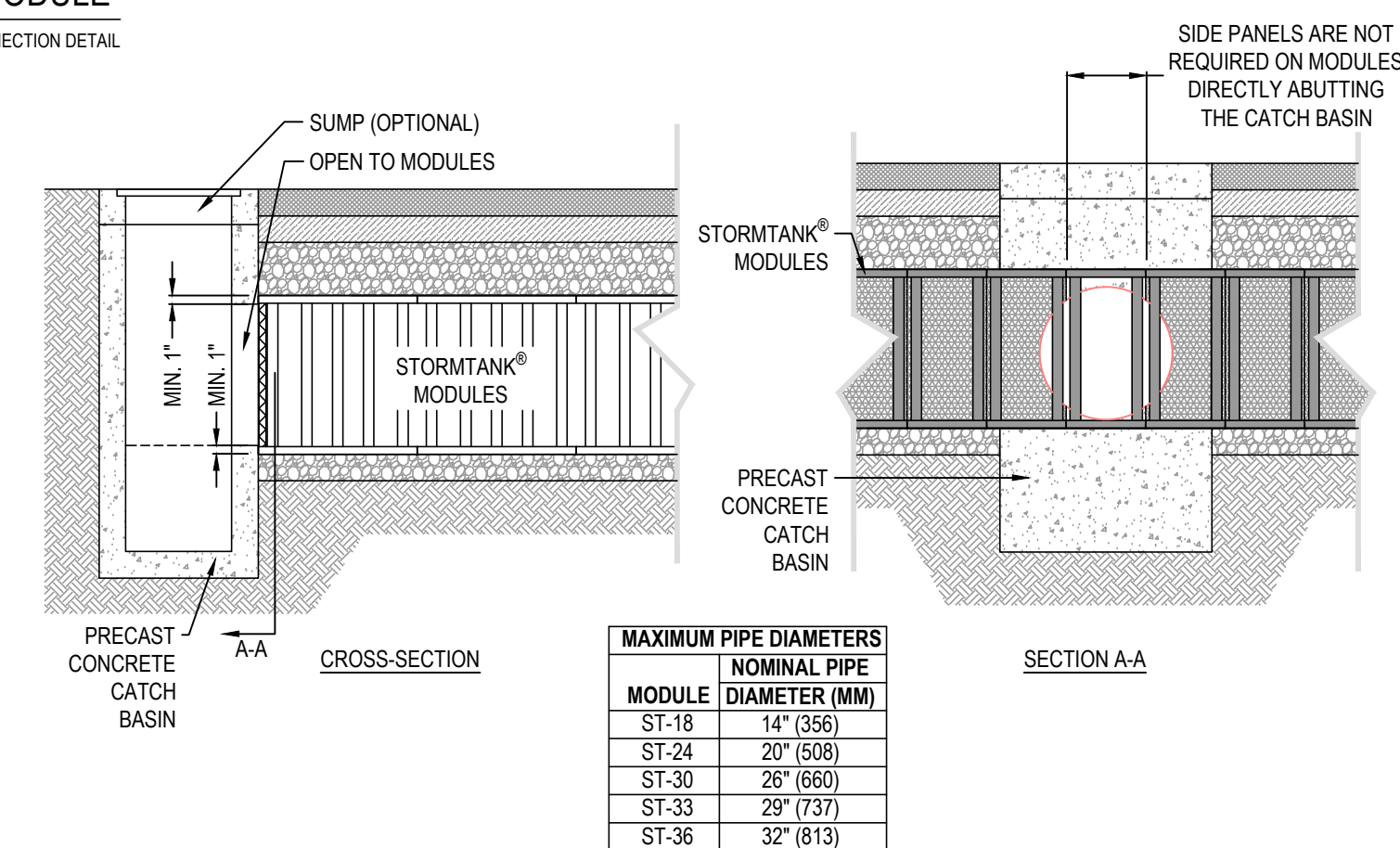
**STORMTANK MODULE**

LARGE DIAMETER PIPE CONNECTION DETAIL



**STORM WATER - STORM TANK MODULE DETAIL**

NO SCALE



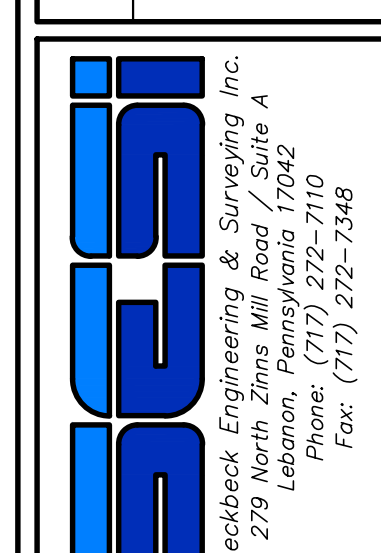
**NOTES:**

- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- DO NOT SCALE DRAWING.
- THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
- ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
- CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT [www.CADdetails.com/info](http://www.CADdetails.com/info) AND ENTER REFERENCE NUMBER 4907-001.

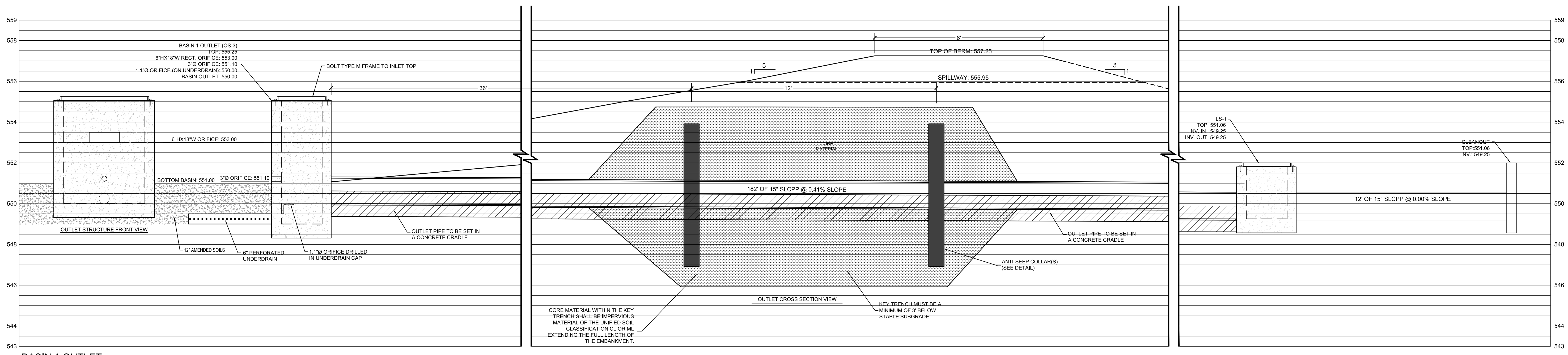
**STORMTANK MODULE**

CATCH BASIN ABUTMENT DETAIL

**POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS**  
 PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 FOR  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

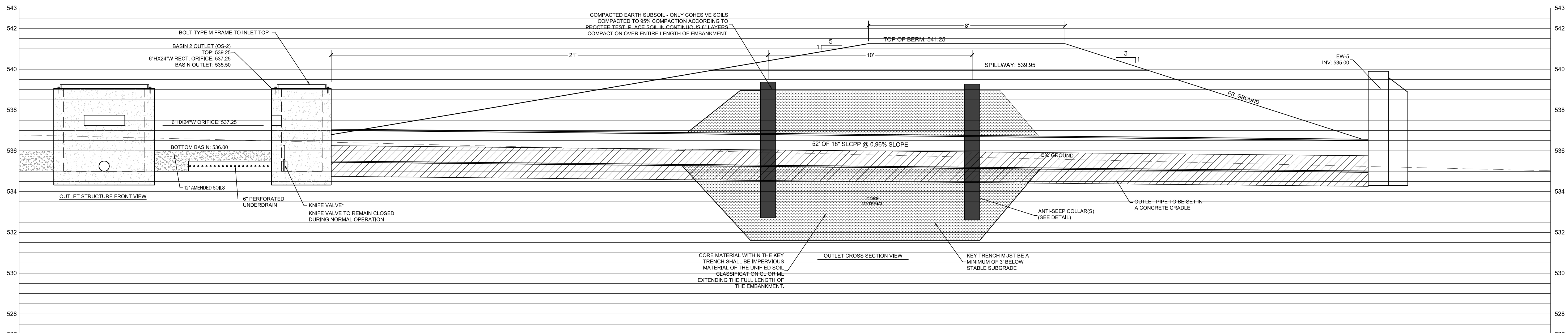


FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	2214-22-001



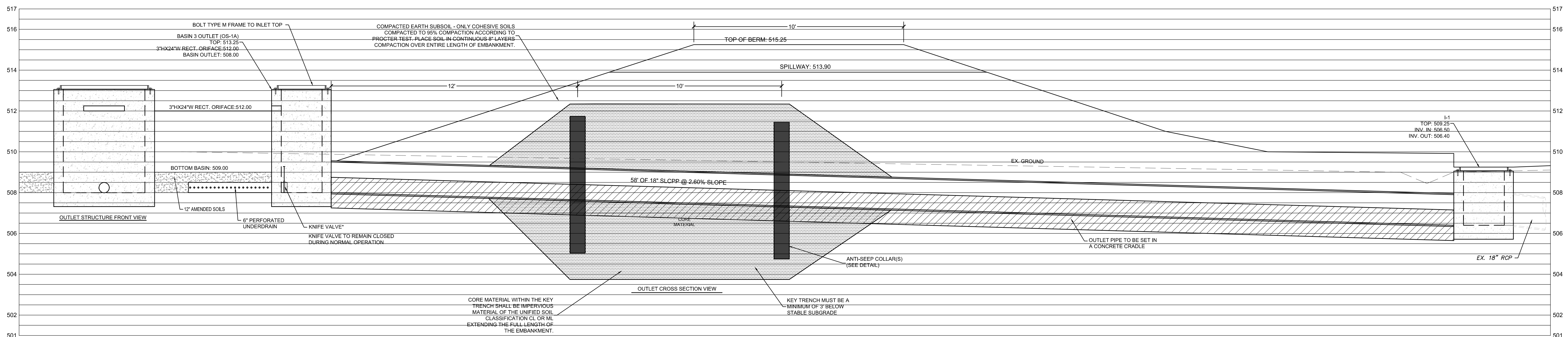
**BASIN 1 OUTLET**

SCALE: 1" = 2.5'



**BASIN 2 OUTLET**

SCALE: 1" = 2.5'



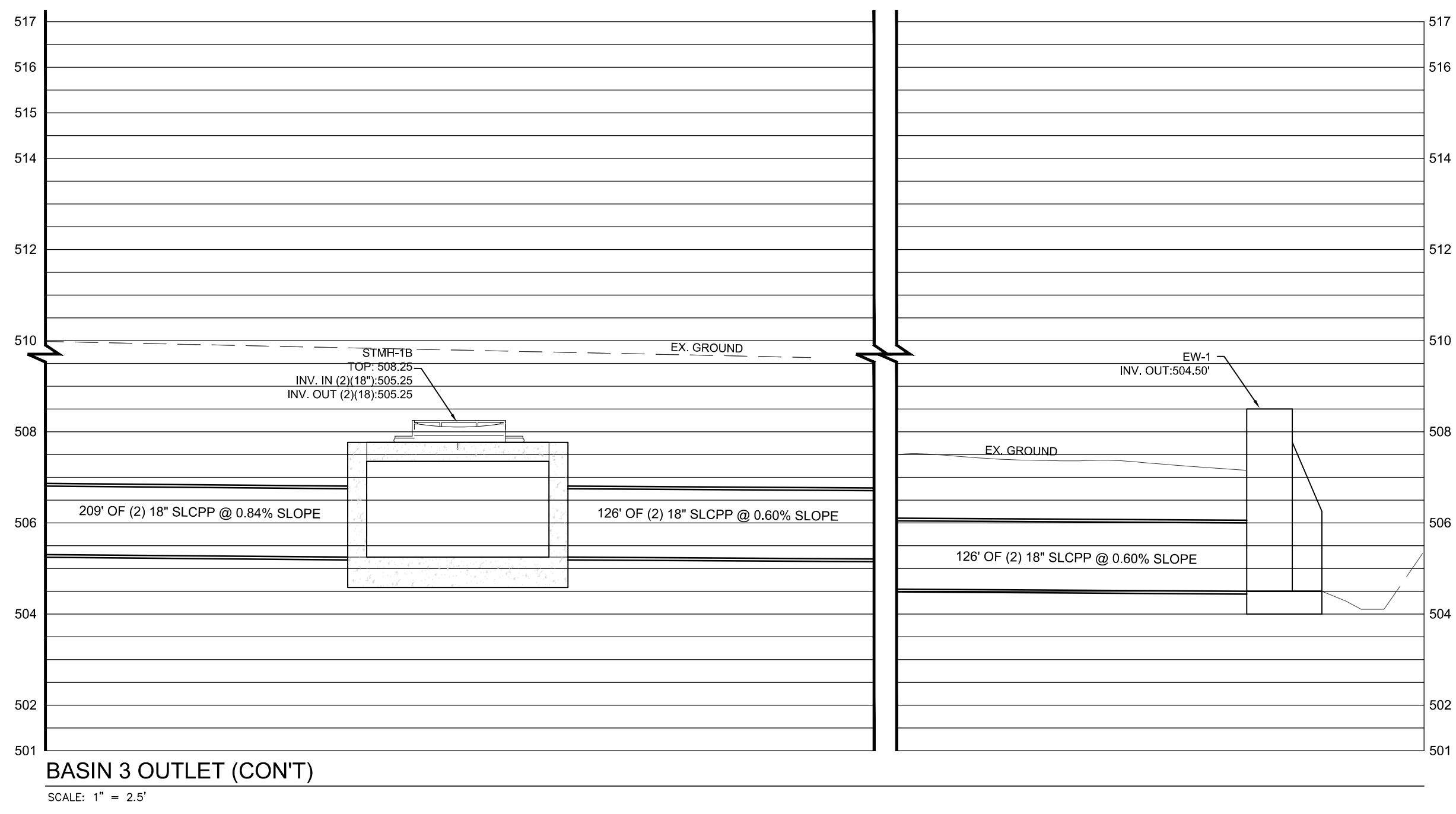
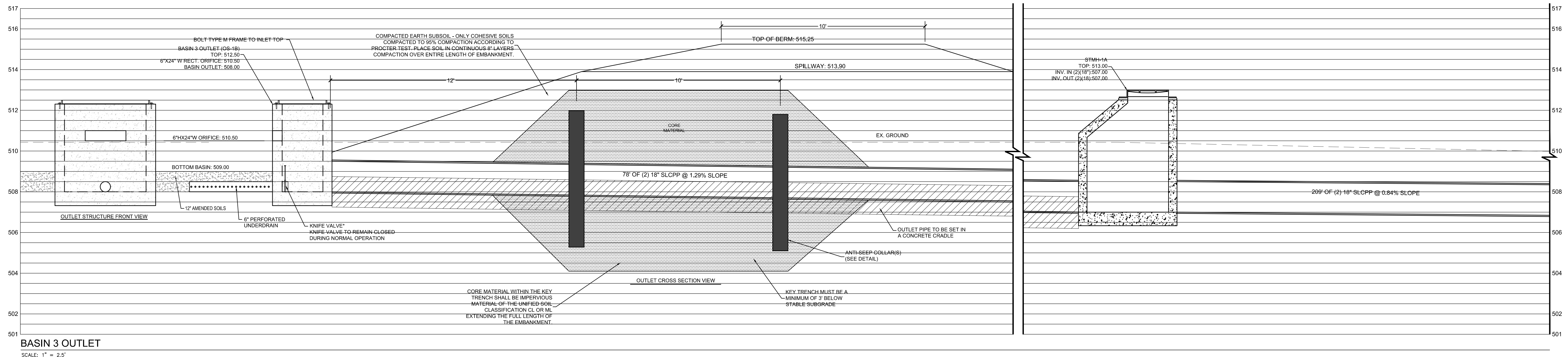
**BASIN 3 OUTLET**

SCALE: 1" = 2.5'

REVISION	DATE	BY

**POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS**  
 PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	2214-22-001



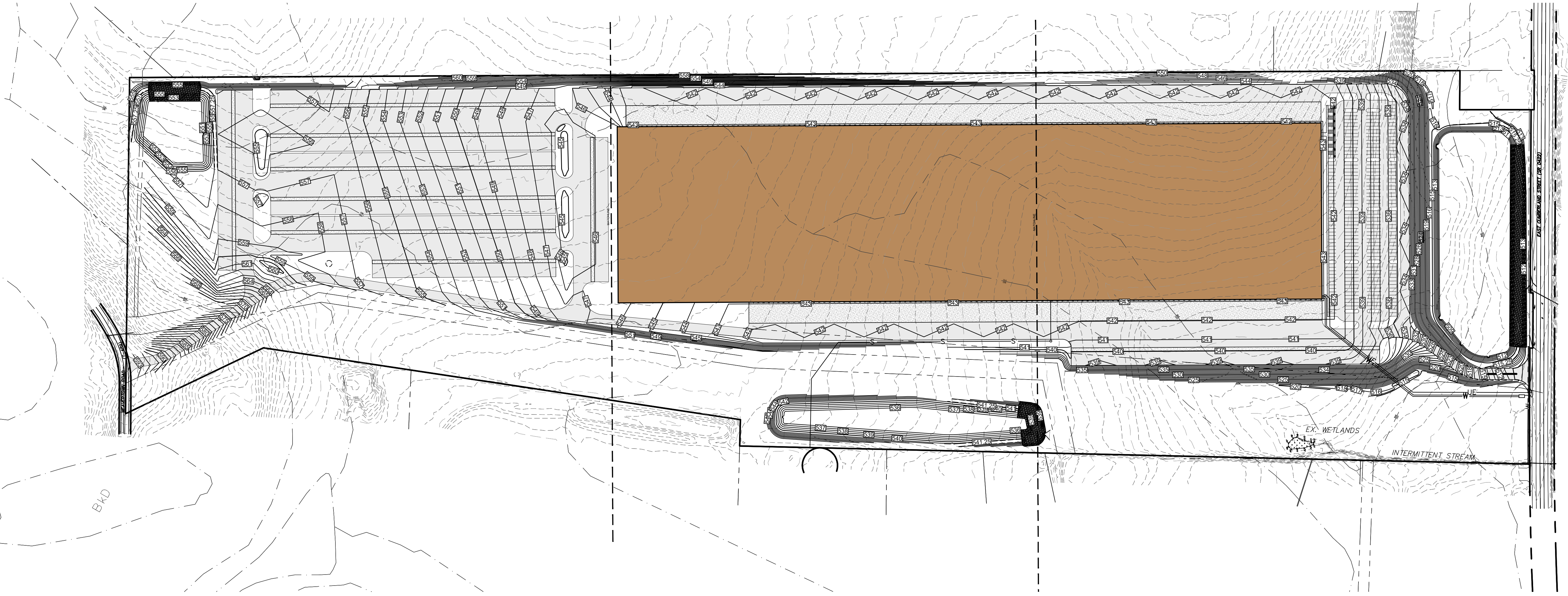
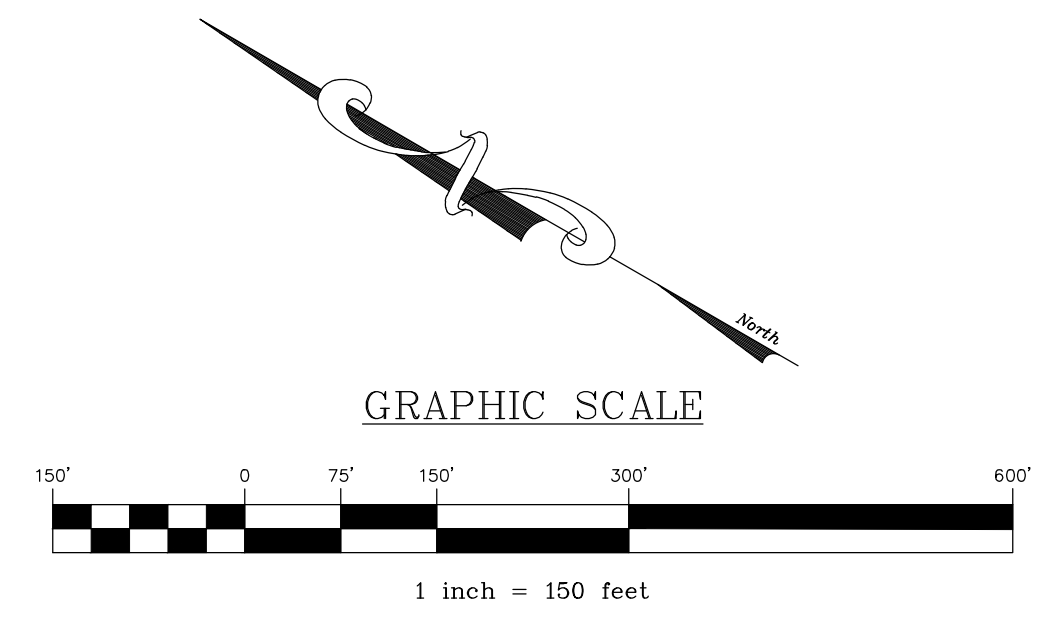
REVISION	DATE	BY

**POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS**  
 PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

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

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	2214-22-001

LEGEND	
	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 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
	PROPOSED LIGHT POLE

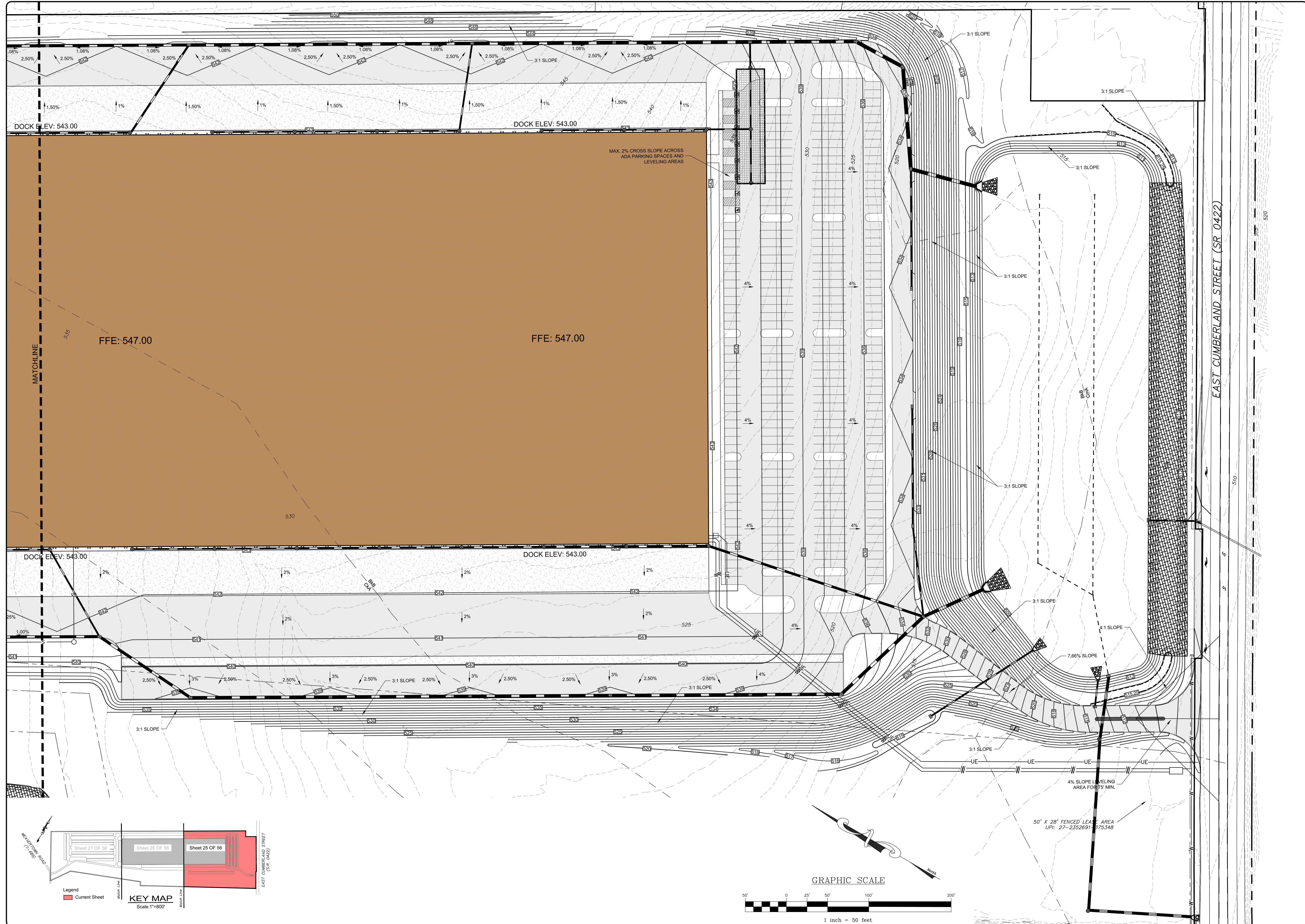


REVISION	BY	DATE

**OVERALL GRADING PLAN**  
 For  
**PRELIMINARY/FINAL LAND DEVELOPMENT PLAN**  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

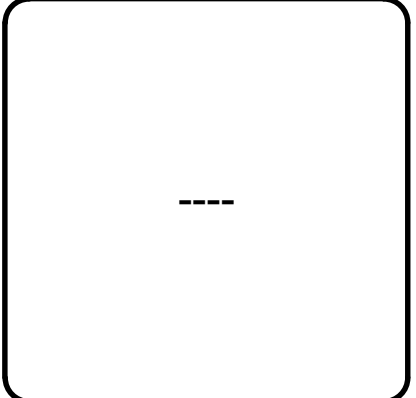
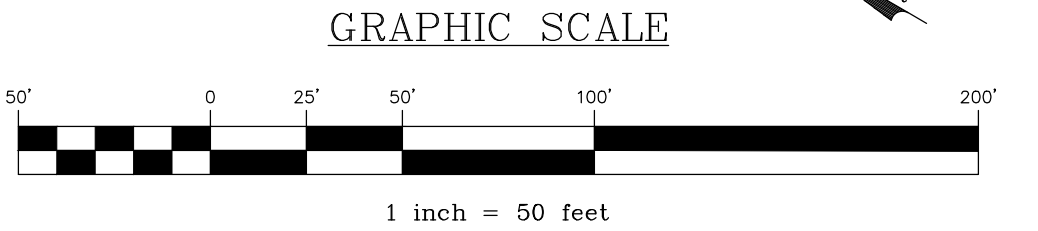
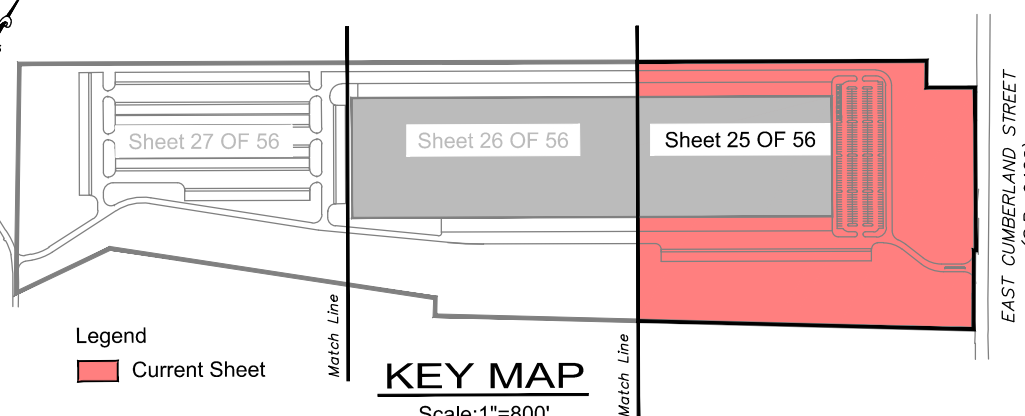
FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=150'
PROJECT #	#2214-22-001





MAX. 2% CROSS SLOPE ACROSS ADA PARKING SPACES AND LEVELING AREAS

50' X 28' FENCED LEASE AREA  
UPI: 27-2352691-375348

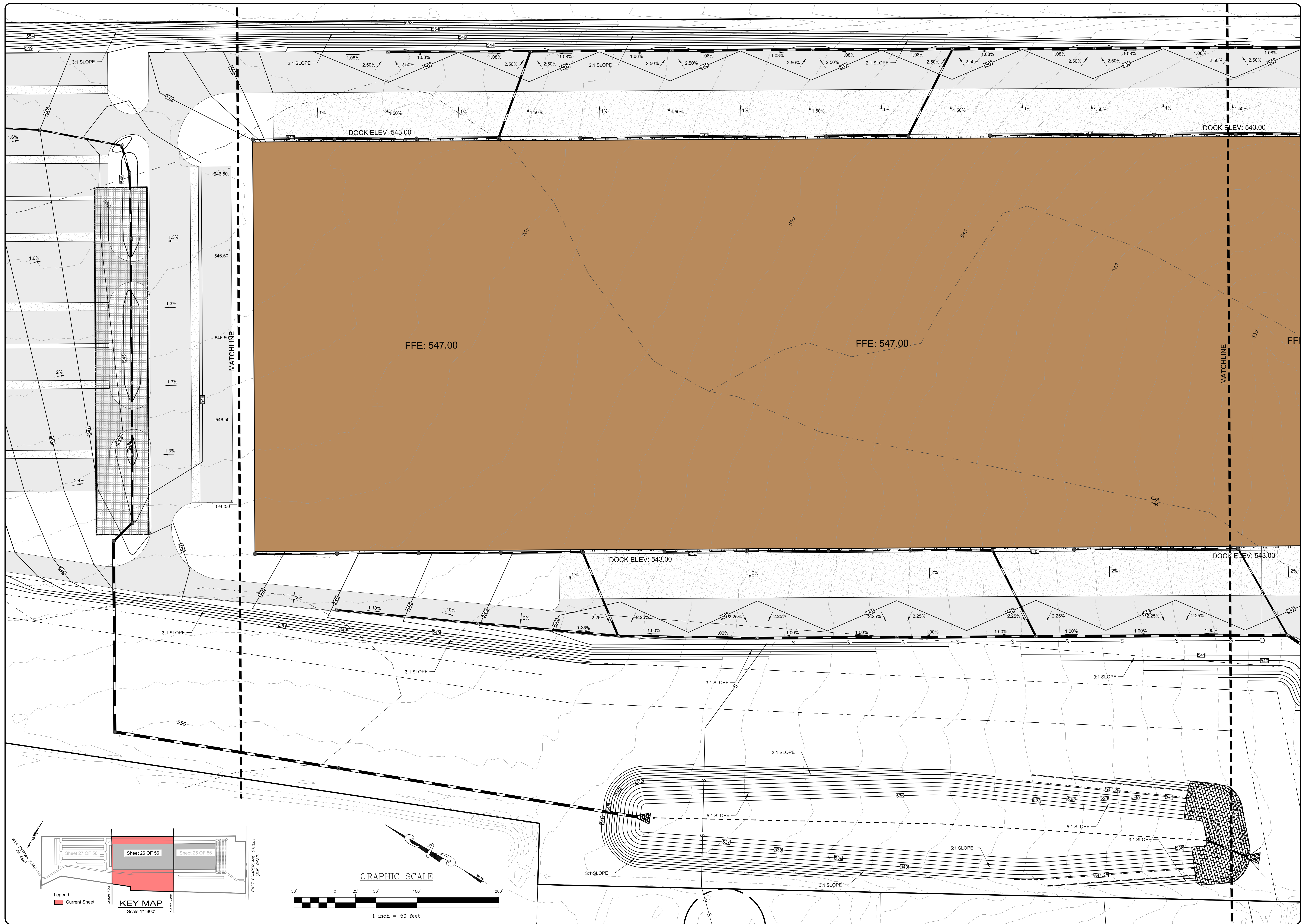


NO.	DATE	BY	REVISION

**GRADING PLAN**  
PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
located in  
North Lebanon Township  
Lebanon County, Pennsylvania

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

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	# 2214-22-001



BY	DATE	REVISION

**GRADING PLAN**  
 For  
**PRELIMINARY/FINAL LAND DEVELOPMENT PLAN**  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

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

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	2214-22-001

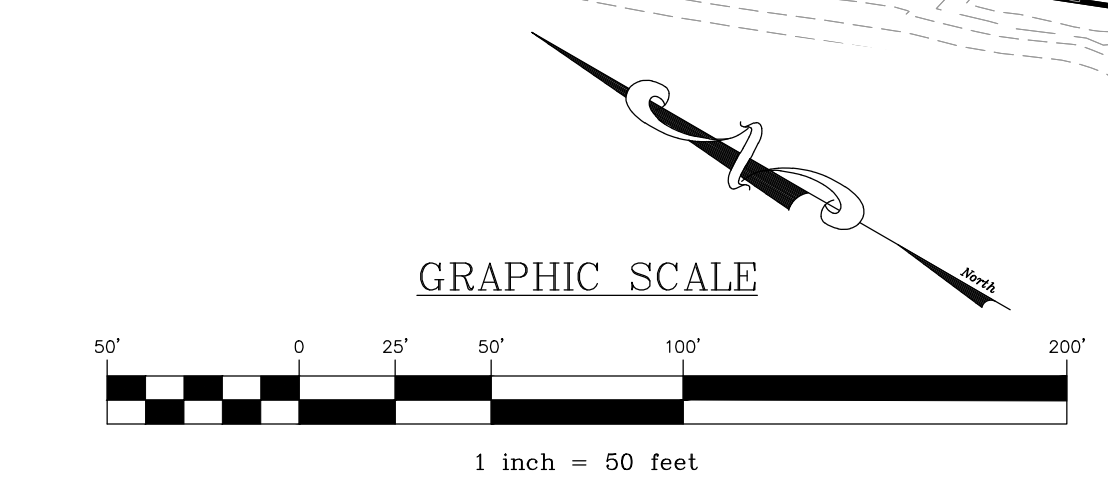
**KEY MAP**  
 Scale: 1"=800'

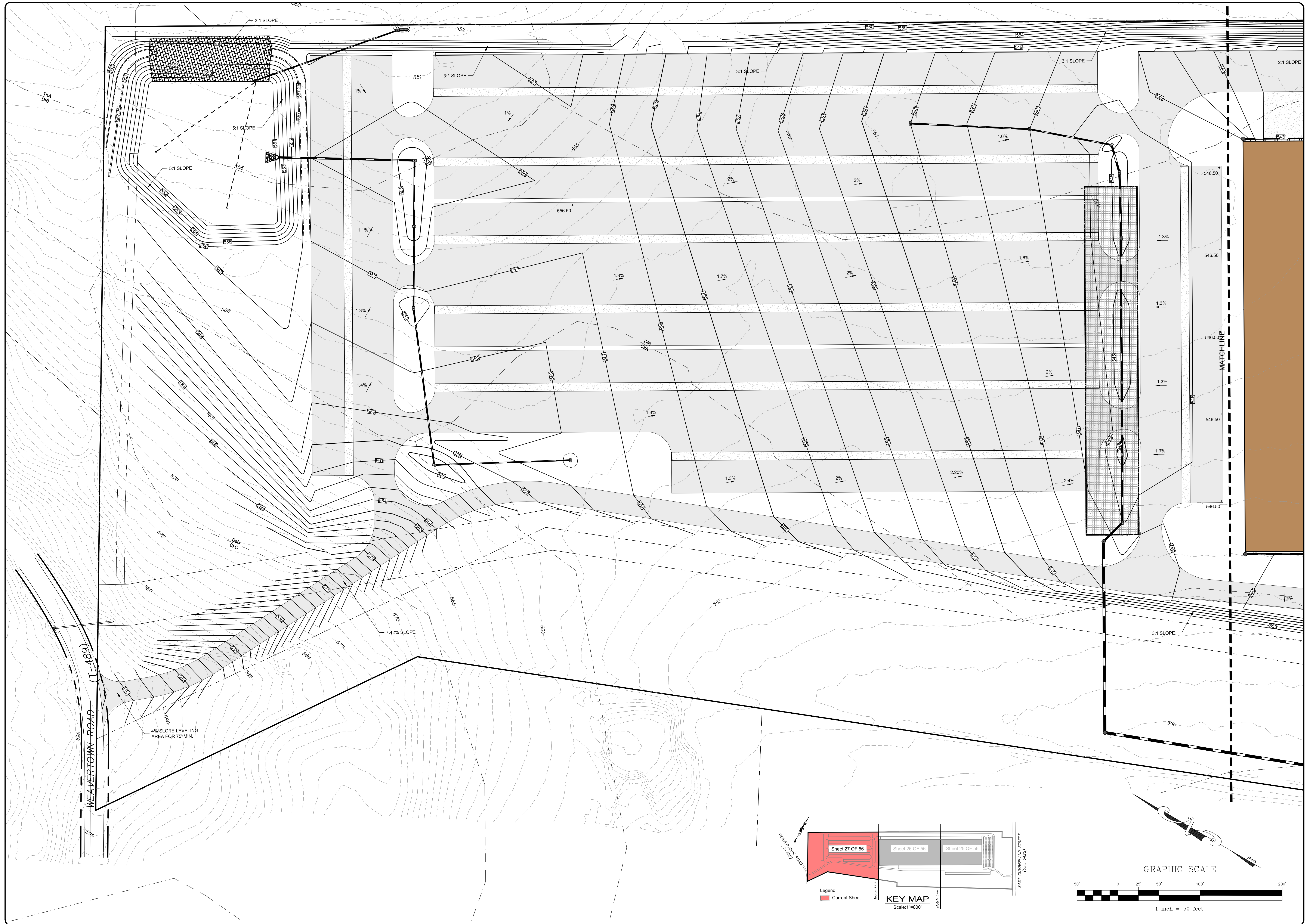
Legend  
 ■ Current Sheet

Sheet 27 OF 56    **Sheet 26 OF 56**    Sheet 25 OF 56

Match Line    Match Line

EAST CUMBERLAND STREET (S.R. 1042)  
 HERRINGTON ROAD (1748)





REVISION	DATE	BY

**GRADING PLAN**  
 For  
**PRELIMINARY/FINAL LAND DEVELOPMENT PLAN**  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

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

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	#2214-22-001

Legend

Current Sheet

**KEY MAP**

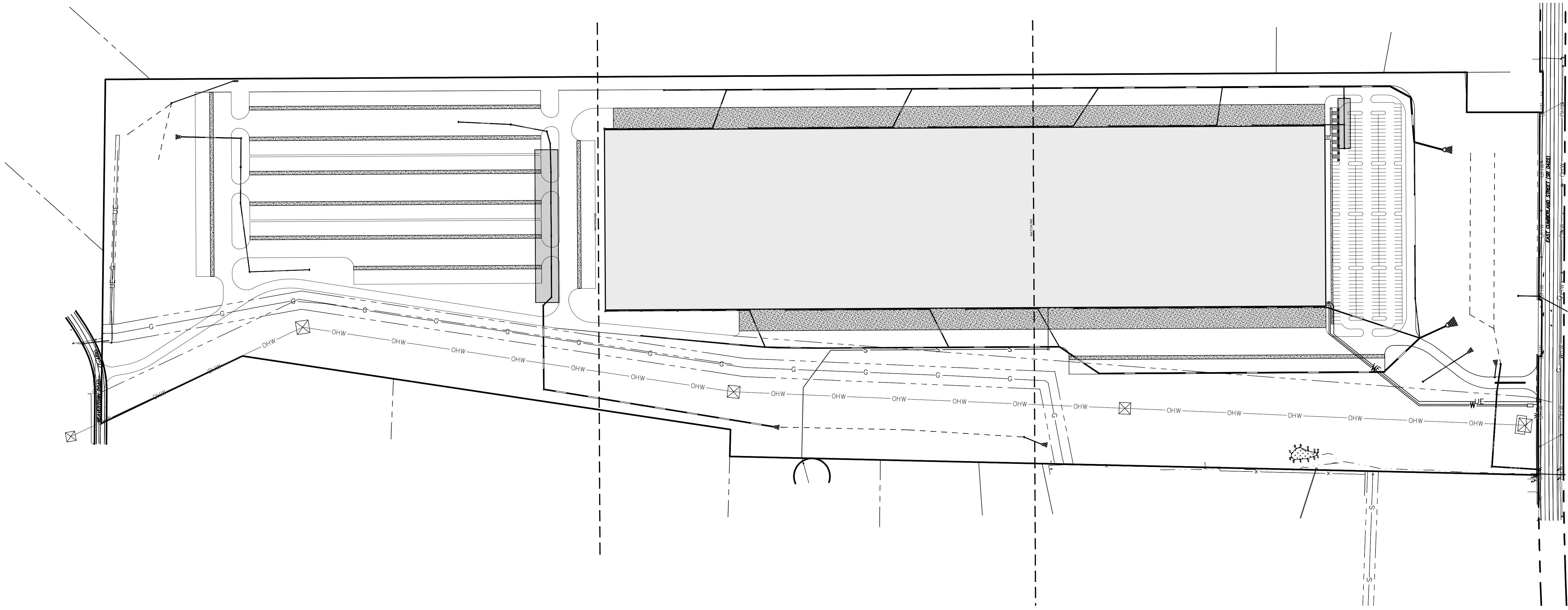
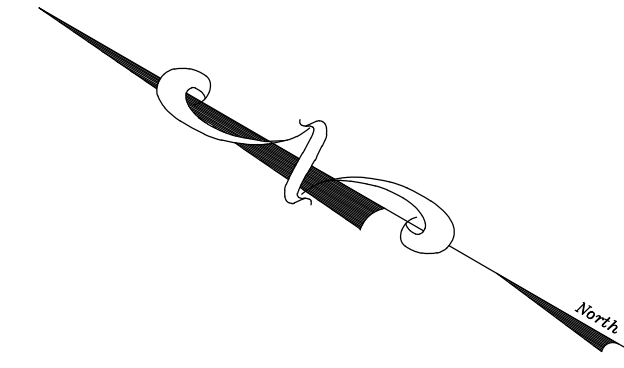
Scale: 1"=800'

**GRAPHIC SCALE**

1 inch = 50 feet

**LEGEND**

	EXISTING WATERLINE		GATE VALVE		FIRE HYDRANT
	EXISTING GASLINE		GAS VALVE		MAJOR
	EXISTING CONTOURS		MINOR		EXISTING TREELINE
	EXISTING SOILS		EXISTING UTILITY POLE		EXISTING LIGHT POLE
	EXISTING ADJOINER LINE		EXISTING BOUNDARY LINE AND CORNERS		EXISTING EDGE OF PAVEMENT AND CURB LINE
	EXISTING RIGHT-OF-WAY		EXISTING FENCE		EXISTING SEWER
	CLEAN OUT		MANHOLE		RIP-RAP
	HEADWALL MANHOLE INLET		ENDWALL		

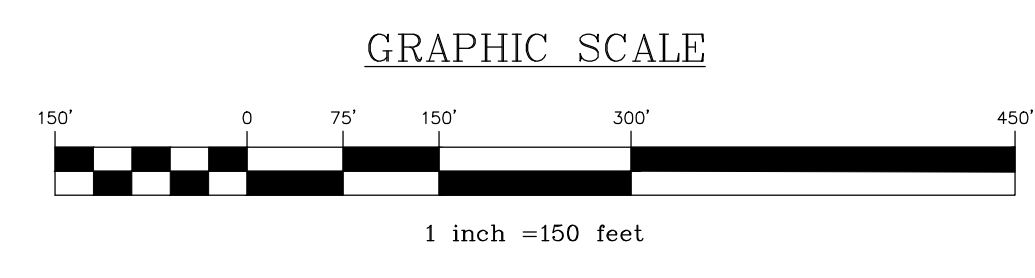


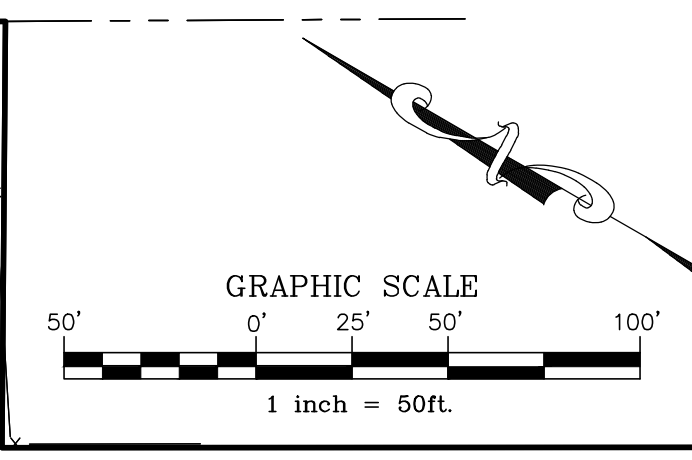
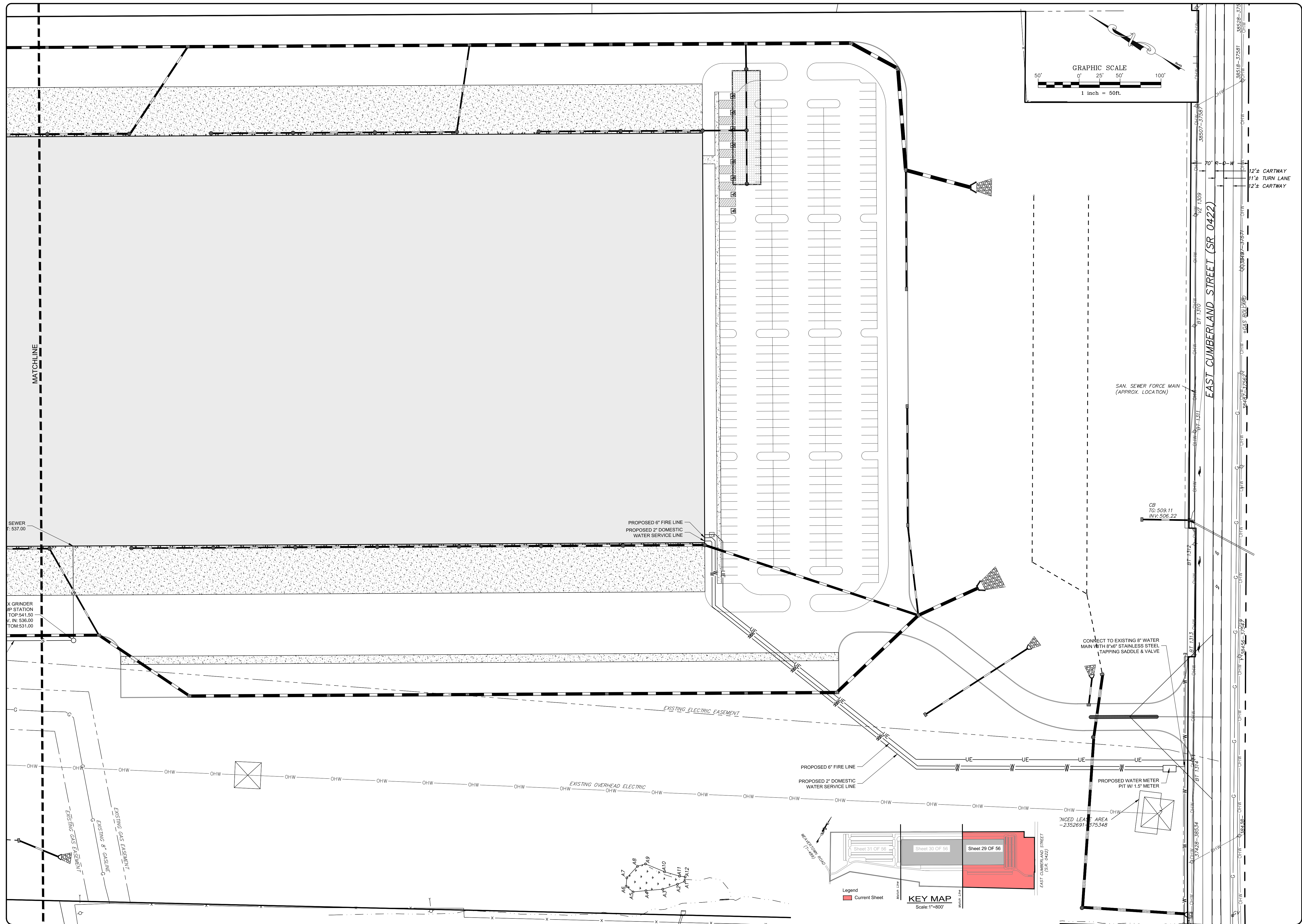
REVISION	DATE	BY

**OVERALL UTILITY PLAN**  
 For  
**PRELIMINARY/FINAL LAND DEVELOPMENT PLAN**  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

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

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=150'
PROJECT #	2214-22-001





EAST CUMBERLAND STREET (SR 0422)

12'± CARTWAY  
11'± TURN LANE  
12'± CARTWAY

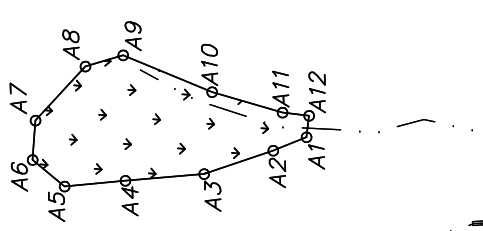
SAN. SEWER FORCE MAIN  
(APPROX. LOCATION)

CB  
TC: 509.11  
INV: 506.22

CONNECT TO EXISTING 8" WATER  
MAIN WITH 8"x6" STAINLESS STEEL  
TAPPING SADDLE & VALVE

PROPOSED WATER METER  
PIT W/ 1.5' METER

INCED LEASE AREA  
-2352691-175348



KEY MAP  
Scale: 1"=80'

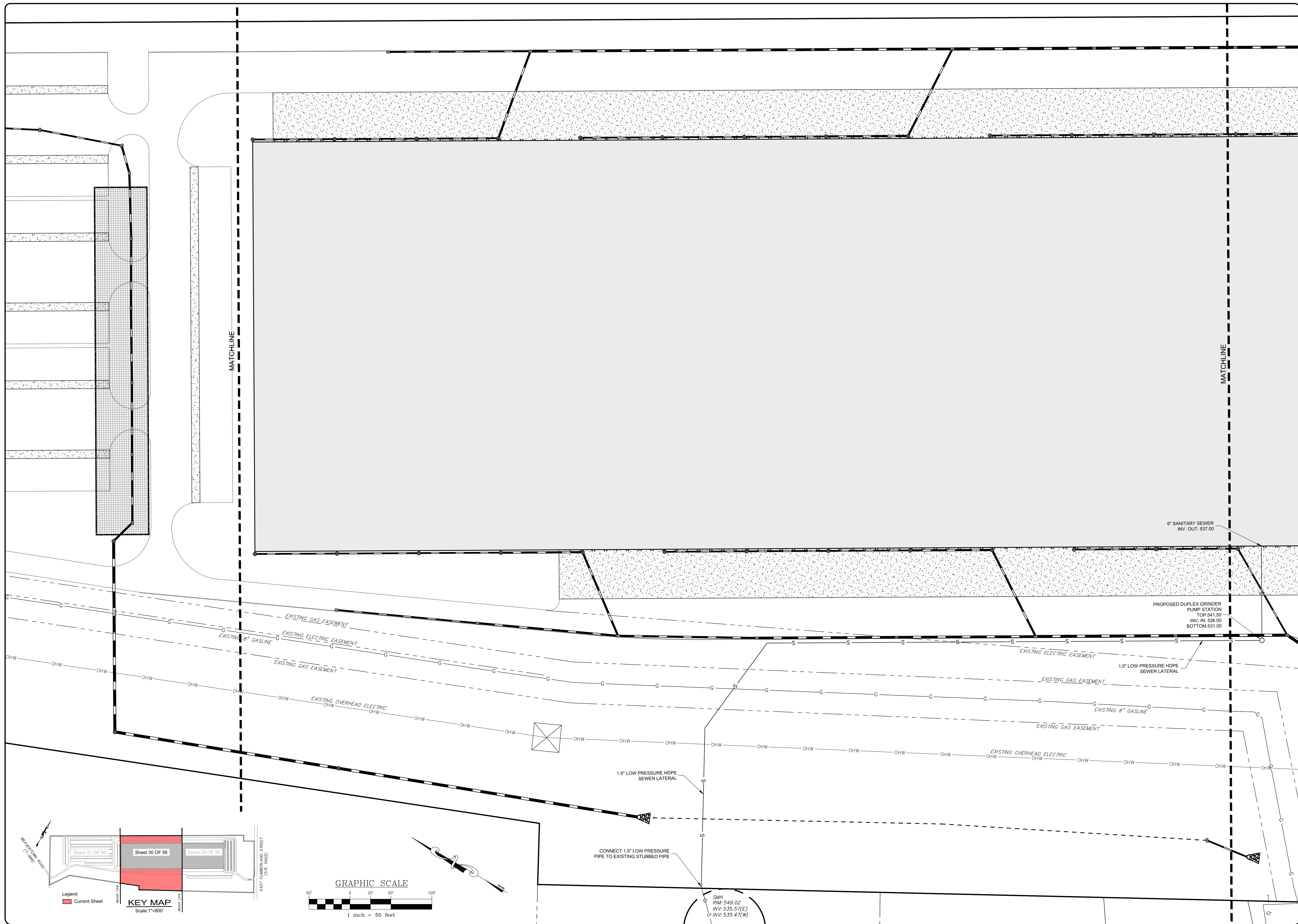
Legend  
Current Sheet

REVISION	DATE	BY

UTILITY PLAN  
PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
For  
NLT WAREHOUSE AND TRAILER STORAGE  
located in  
North Lebanon Township  
Lebanon County, Pennsylvania

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

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	2214-22-001

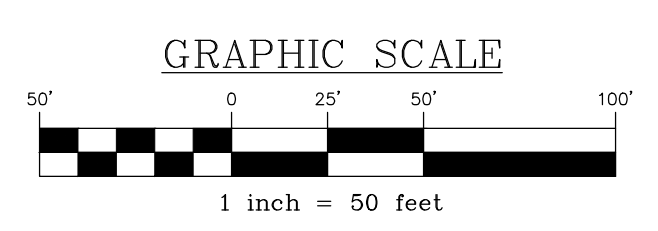
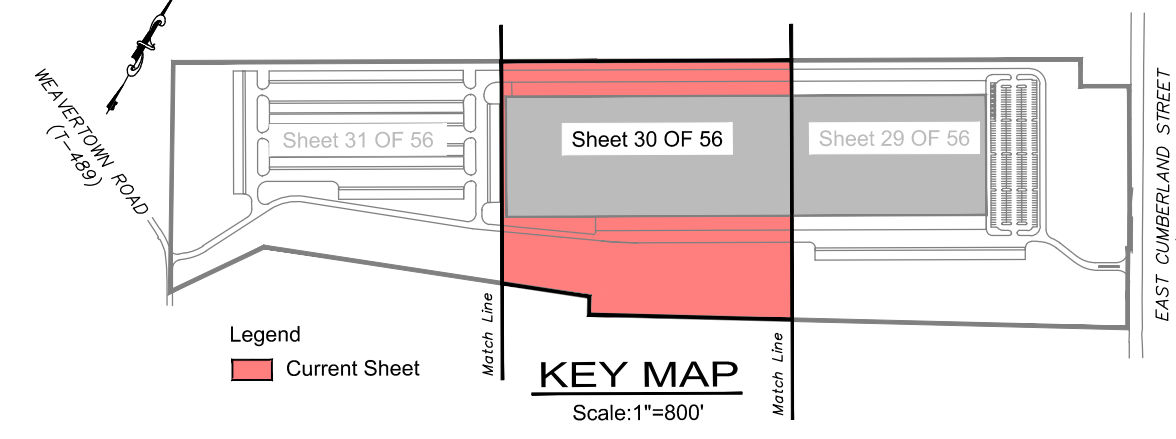


REVISION	DATE	BY

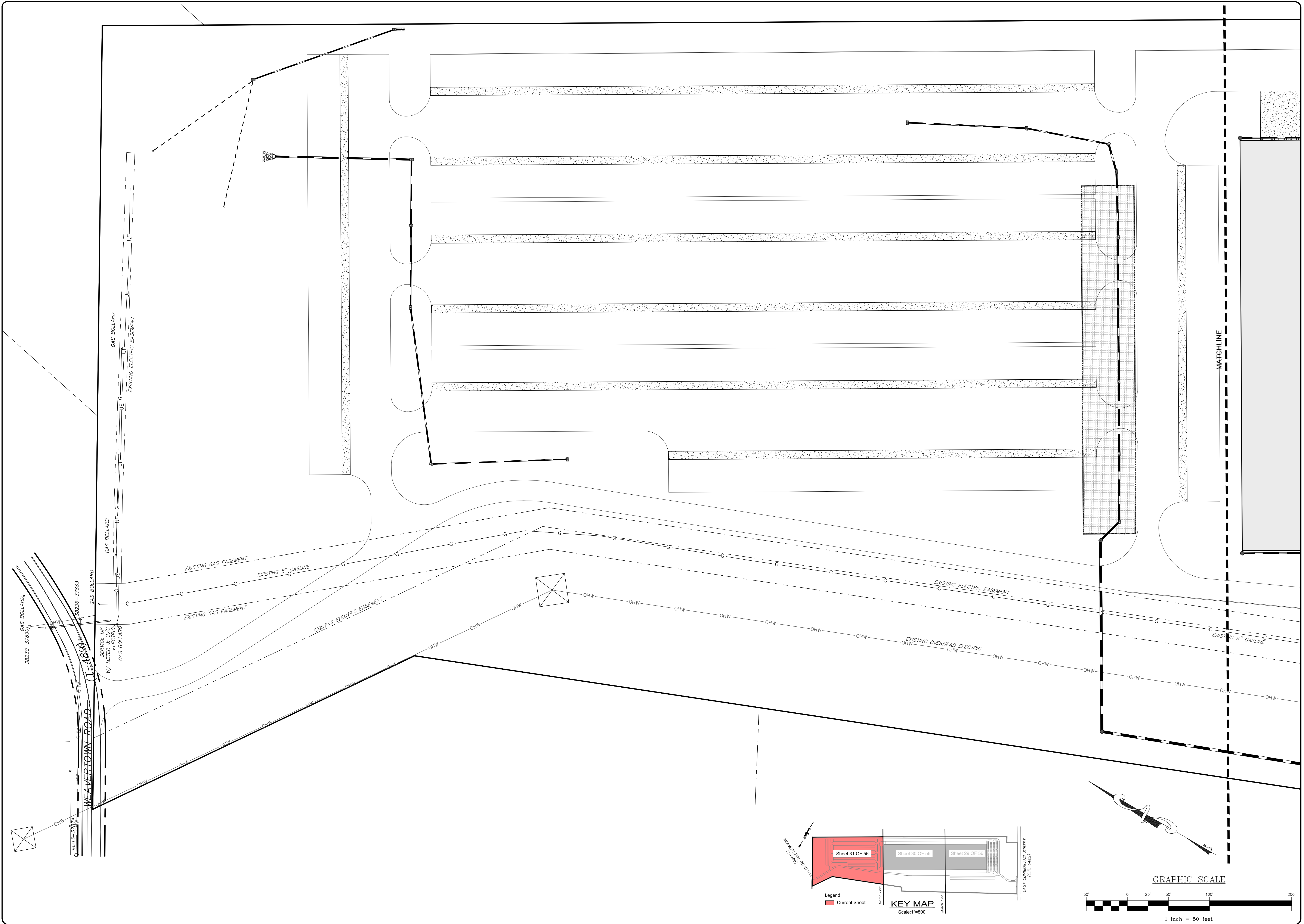
**UTILITY PLAN**  
 PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

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

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	#2214-22-001



SMH  
 RIM: 549.02  
 INV: 535.57(E)  
 INV: 535.47(W)

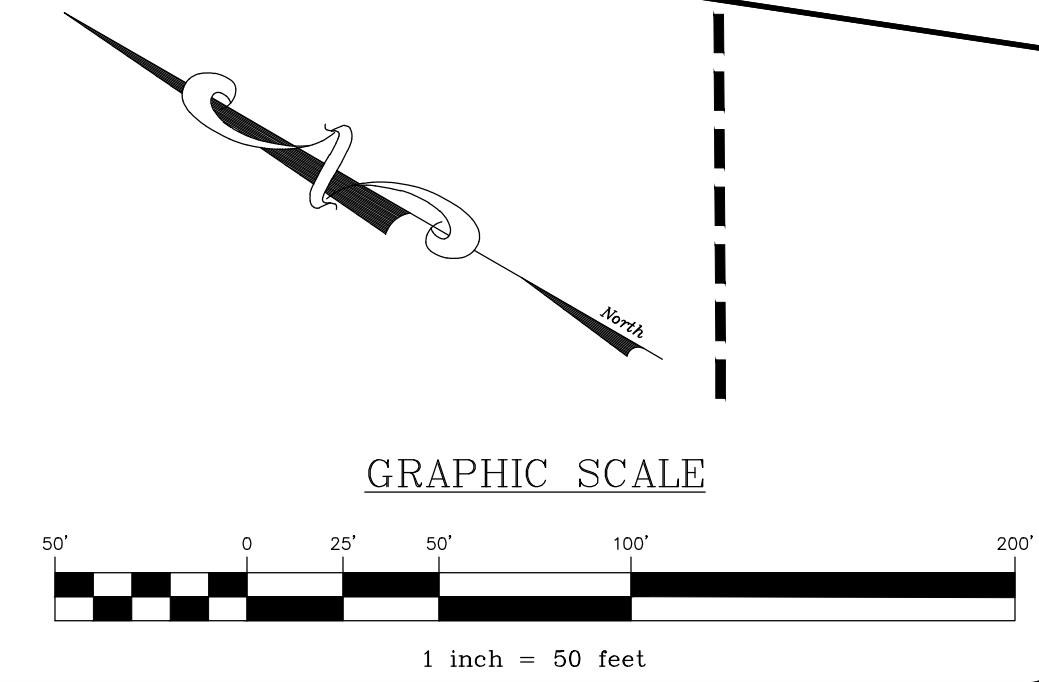
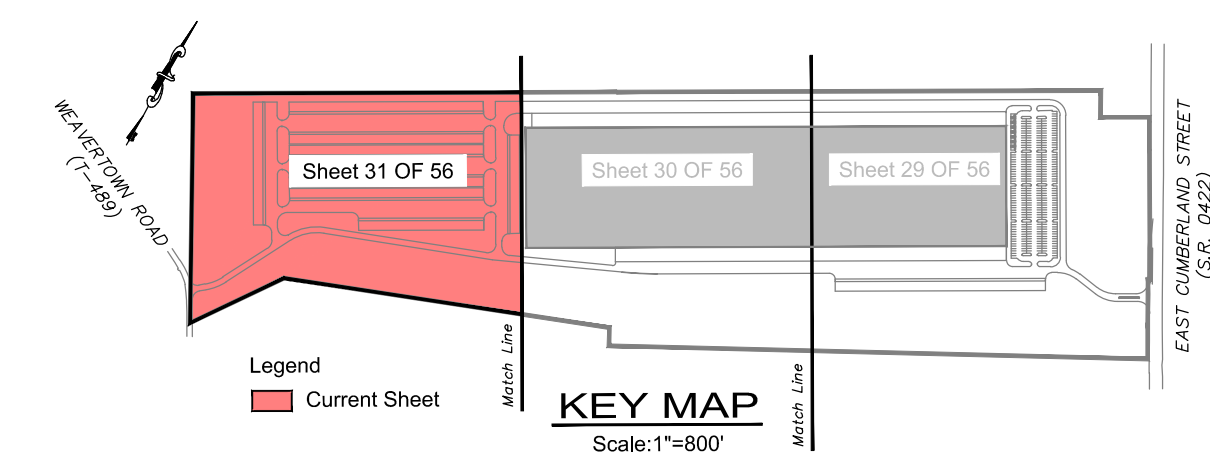


REVISION	DATE	BY

**UTILITY PLAN**  
 PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

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

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	#2214-22-001



KEY	QTY	SIZE	BOTANICAL NAME	COMMON NAME
AC	8	2'-2.5' CAL.	PRUNUS SUBHIRTELLA 'AUTUMNALIS'	AUTUMNALIS HIGAN CHERRY
AH	19	2'-2.5' CAL.	CYPRISSUS CAROLINIANA	AMERICAN HORSEBAM
AP	25	2'-2.5' CAL.	PYRUS CALLERYANA 'ARISTOCRAT'	ARISTOCRAT FLOWERING PEAR
EC	9	2'-2.5' CAL.	MALUS X ADSTRINGENS 'JEFOREEN'	EMERALD SPIRE FLOWERING CRABAPPLE
GR	24	2'-2.5' CAL.	CERCIS CANADENSIS 'HEARTS OF GOLD'	HEARTS OF GOLD REDBUD
GV	27	2'-2.5' CAL.	ZELKOVA SERRATA 'GREEN VASE'	GREEN VASE ZELKOVA
RM	15	2'-2.5' CAL.	ACER RUBRUM 'OCTOBER GLORY'	RED MAPLE
BC	15	6"	CYPRESSUS ARIZONICA VAR. GLABRA 'BLUE PYRAMID'	BLUE PYRAMID ARIZONA CYPRESS
BS	12	6"	PICEA PLUNGENS 'MOERHEIM'	MOERHEIM BLUE SPRUCE
CS	18	6"	PICEA PLUNGENS 'FAT ALBERT'	FAT ALBERT COLORADO BLUE SPRUCE
EW	65	6"	PIRUS STROBUS	EASTERN WHITE PINE
NS	44	6"	PICEA ABIES	NORWAY SPRUCE
BB	TBD*	24'-36"	KOLKWTZIA AMABILIS	BEAUTY BUSH
BHF	TBD*	24'-36"	ILEX MESERVEAE 'BLUE PRINCESS' - FEMALE	BLUE HOLLY
BHM	TBD*	24'-36"	ILEX MESERVEAE 'BLUE PRINCE' - MALE	BLUE HOLLY
FG	TBD*	1 GAL.	PENNISE TUM ALOPECUROIDES 'MOODRY'	FOUNTAIN GRASS
FR	TBD*	15'-18"	CALAMAGROSIS ACUTIFOLIA KARL FORRESTER	FEATHER REED
GF	TBD*	15'-18"	FORSYTHIA X INTERMEDIA 'KOLGOLD'	GOLD FORSYTHIA
HL	TBD*	1 GAL.	LAVANDULA X INTERMEDIA 'HIDCOTE GIANT'	HIDCOTE GIANT LAVENDER
JH	TBD*	1 GAL.	ILEX CRENATA 'SKY PENCIL'	SKY PENCIL JAPANESE HOLLY
MJ	TBD*	15'-18"	JUNIPERUS CHINENSIS	MINT JULEP JUNIPER
MP	TBD*	24'-36"	PIRUS MUGO 'PUMILIO'	COMPACT MUGO PINE
RL	TBD*	15'-18"	LEUCOTHOE FONTANESIANA 'RAINBOW'	LEUCOTHOE
RR	TBD*	15'-18"	RHODODENDRON X 'RAMAPO'	(H-1) RHODODENDRON
RT	TBD*	24'-36"	CORNUS STOLONIFERA 'ARCTIC FIRE'	RED TWIG DOGWOOD
SH	TBD*	24'-36"	HYDRANGEA MACROPHYLLA 'HORTMAN'	SEASIDE SERENADE NEWPORT HYDRANGEA
PV	TBD*	24'-36"	VIBURNUM 'PIMBLIT'	PEARLIFIC VIBURNUM

\*SHRUB LOCATION AND COUNT TO BE DETERMINED (TBD) BY LANDSCAPE CONTRACTOR AT TIME OF INSTALLATION

**LEGEND**

**EXISTING FEATURES**

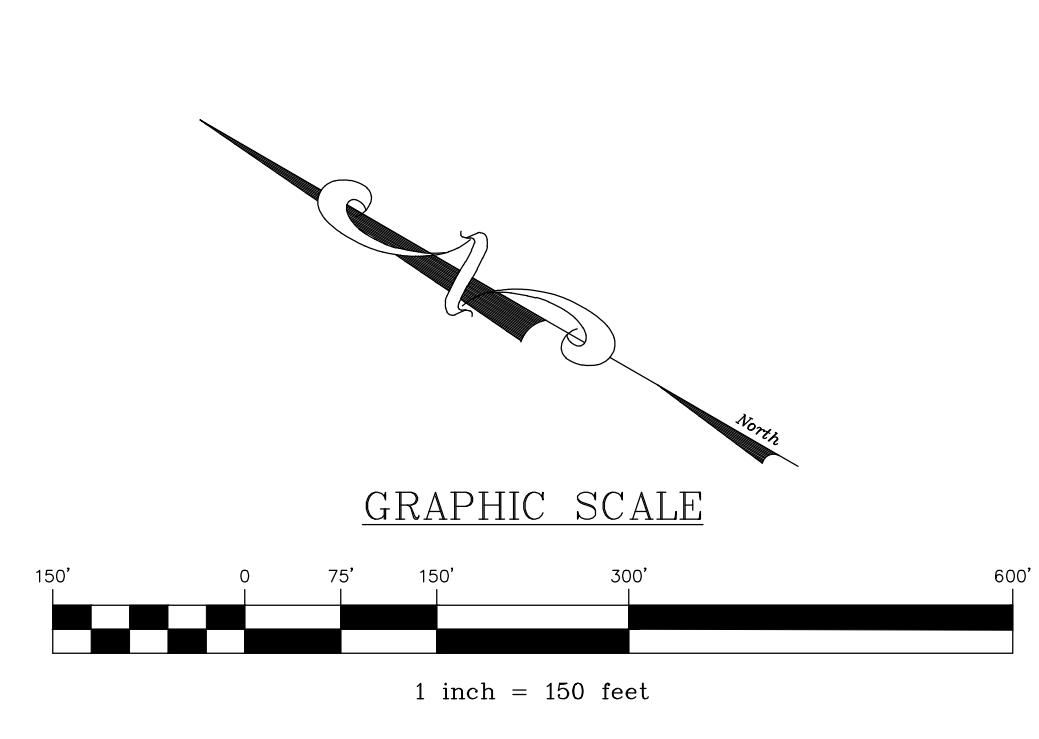
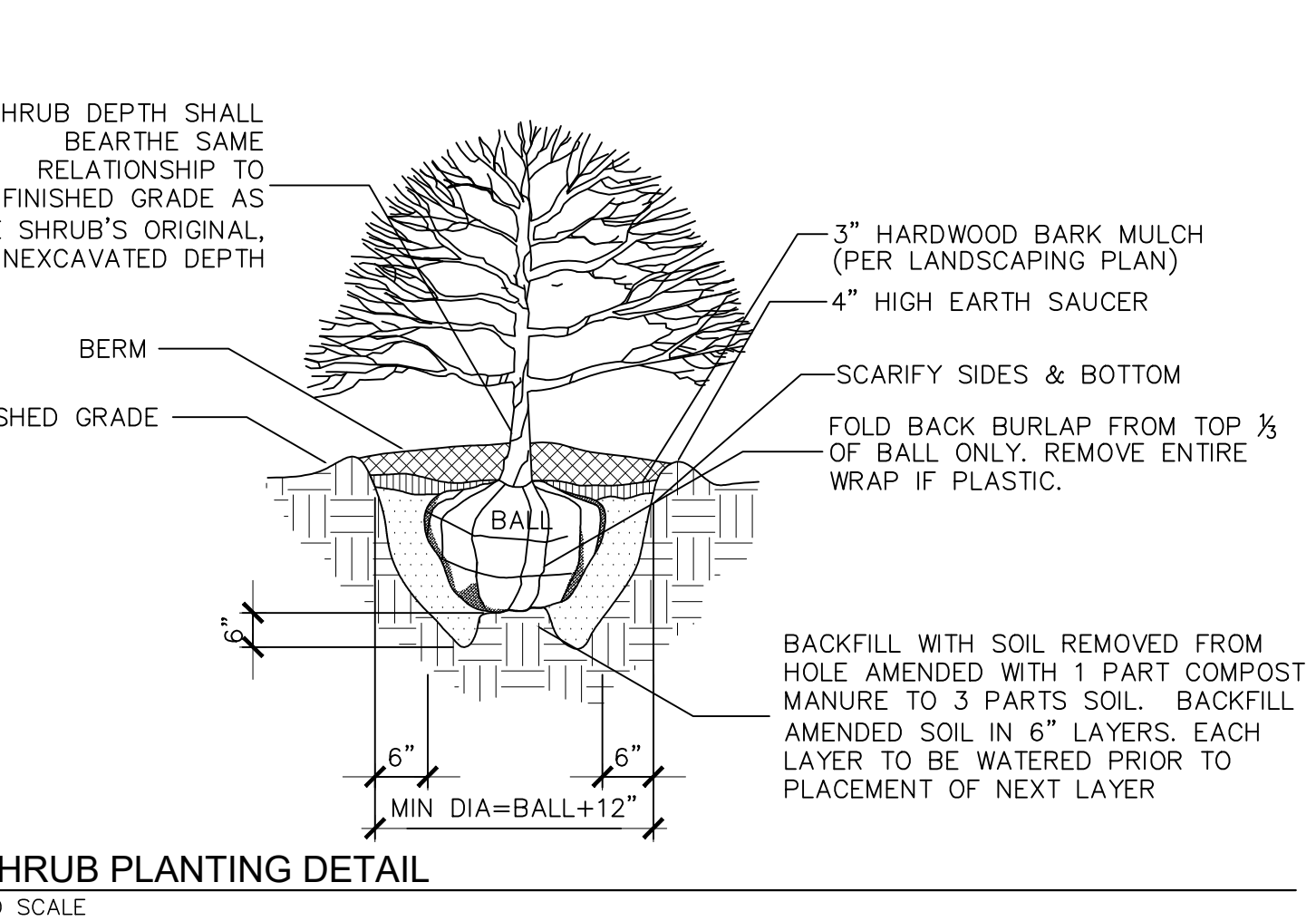
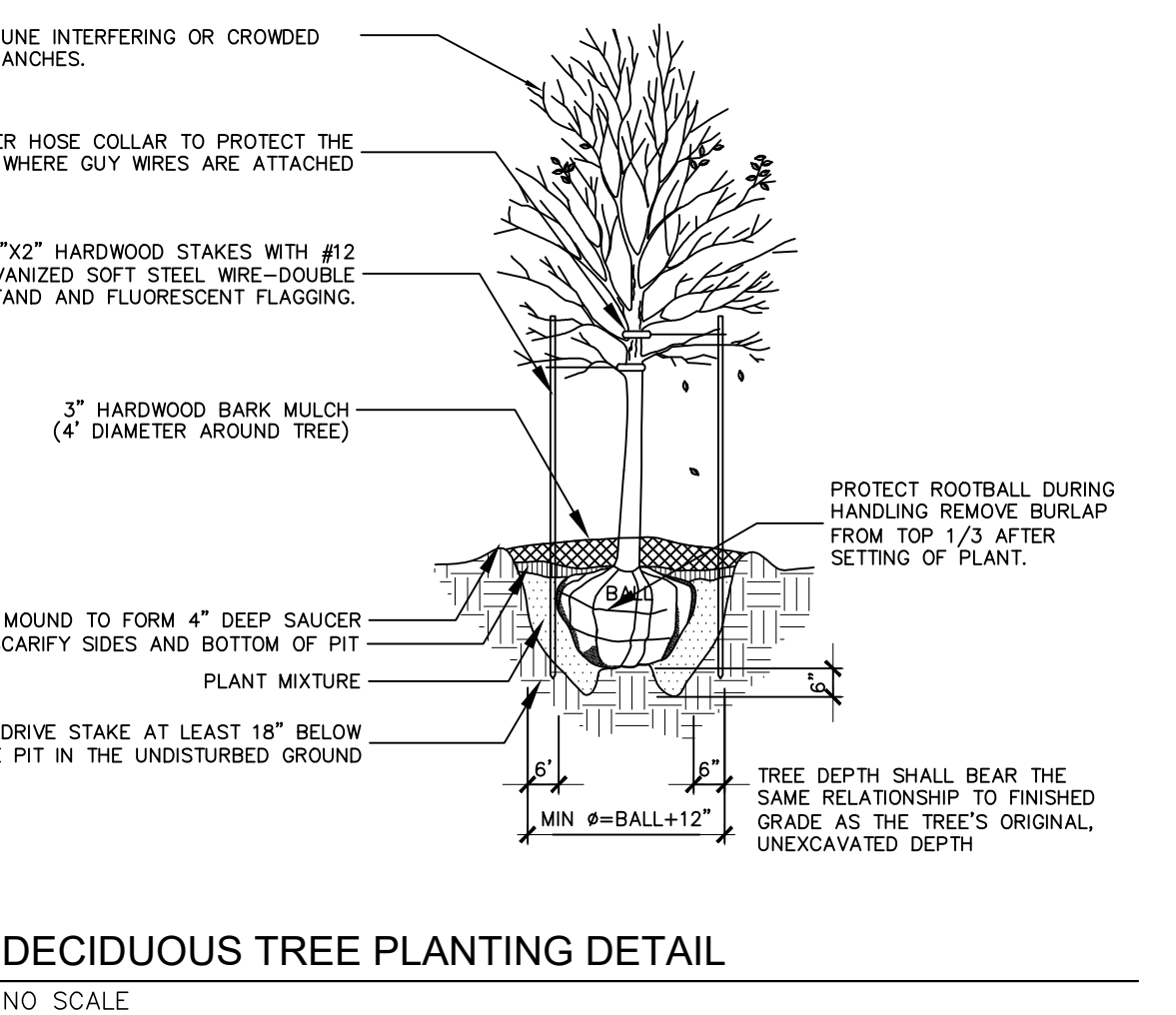
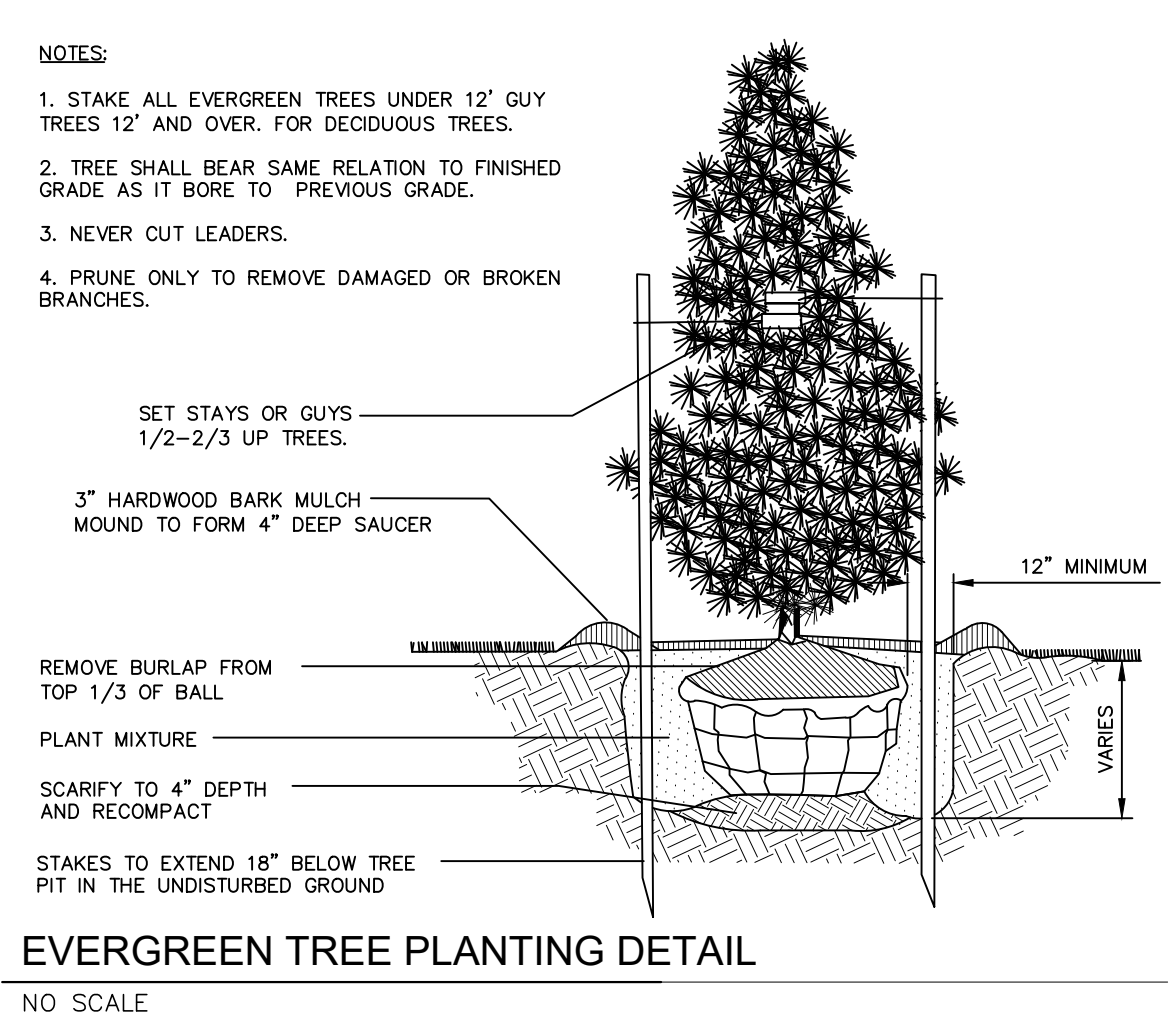
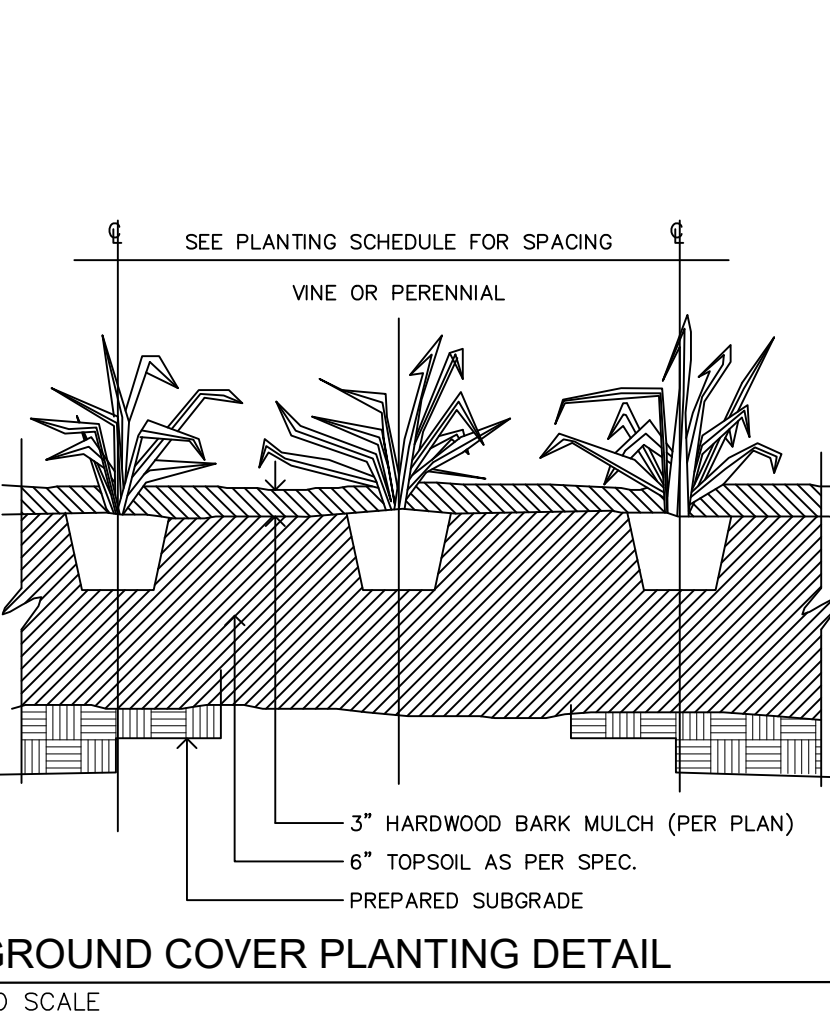
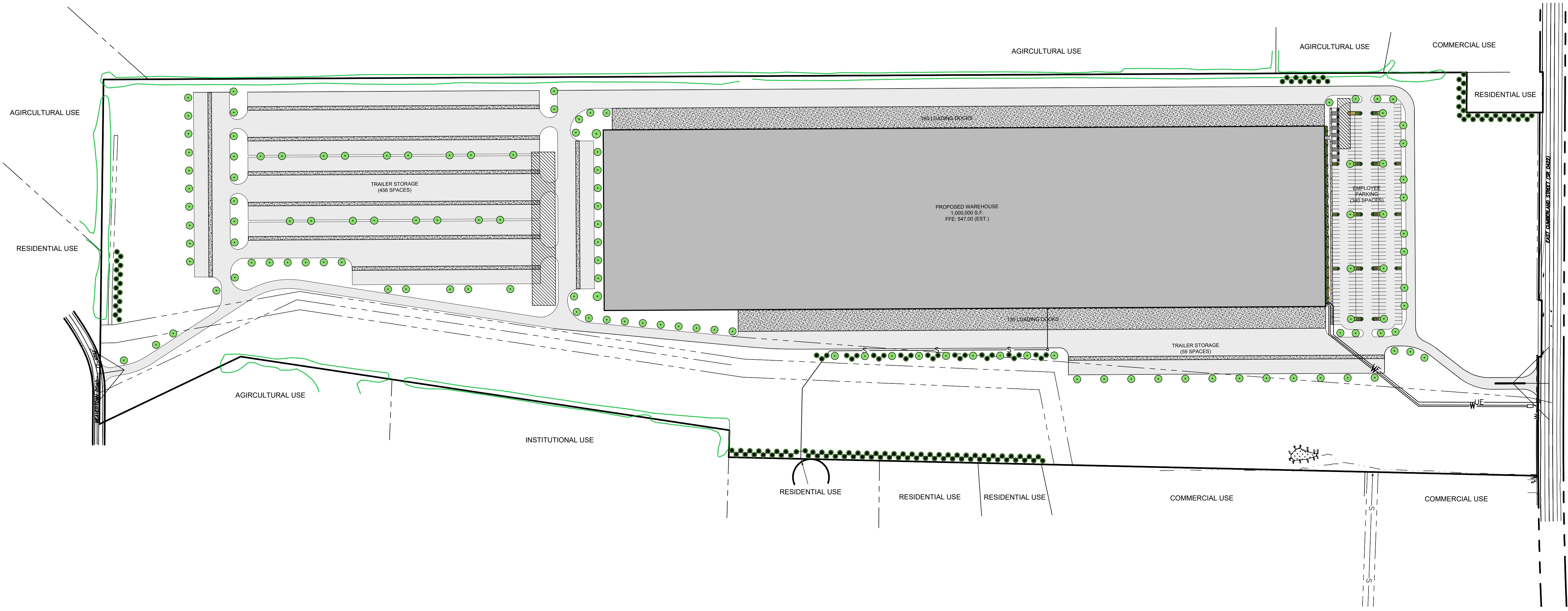
- EXISTING ADJOINER LINE
- EXISTING BOUNDARY LINE AND CORNERS
- EXISTING EDGE OF PAVEMENT AND CURB LINE
- EXISTING RIGHT-OF-WAY
- EXISTING FENCE
- EXISTING SEWER
- EXISTING STORMWATER
- EXISTING WATERLINE
- EXISTING GASLINE
- EXISTING CONTOURS
- EXISTING TREELINE
- EXISTING UTILITY POLE
- EXISTING LIGHT POLE

**PROPOSED FEATURES**

- PROPOSED BUILDING SETBACK
- 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
- PROPOSED LIGHT POLE

**PLANT SYMBOL LEGEND**

- DECIDUOUS TREE
- EVERGREEN TREE
- SHRUB
- 3" WOOD MULCH



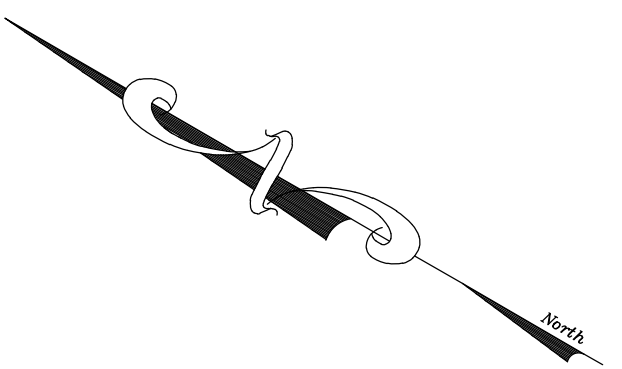
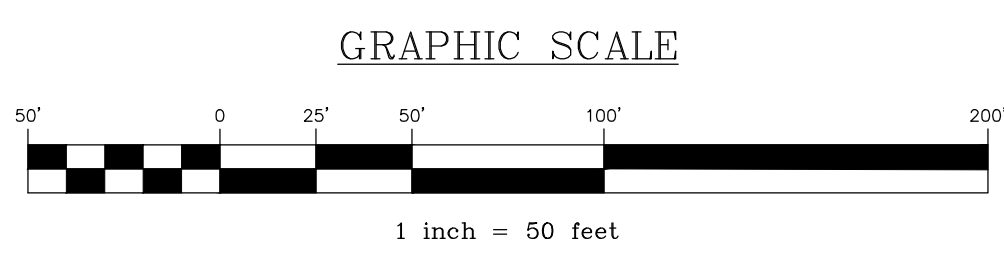
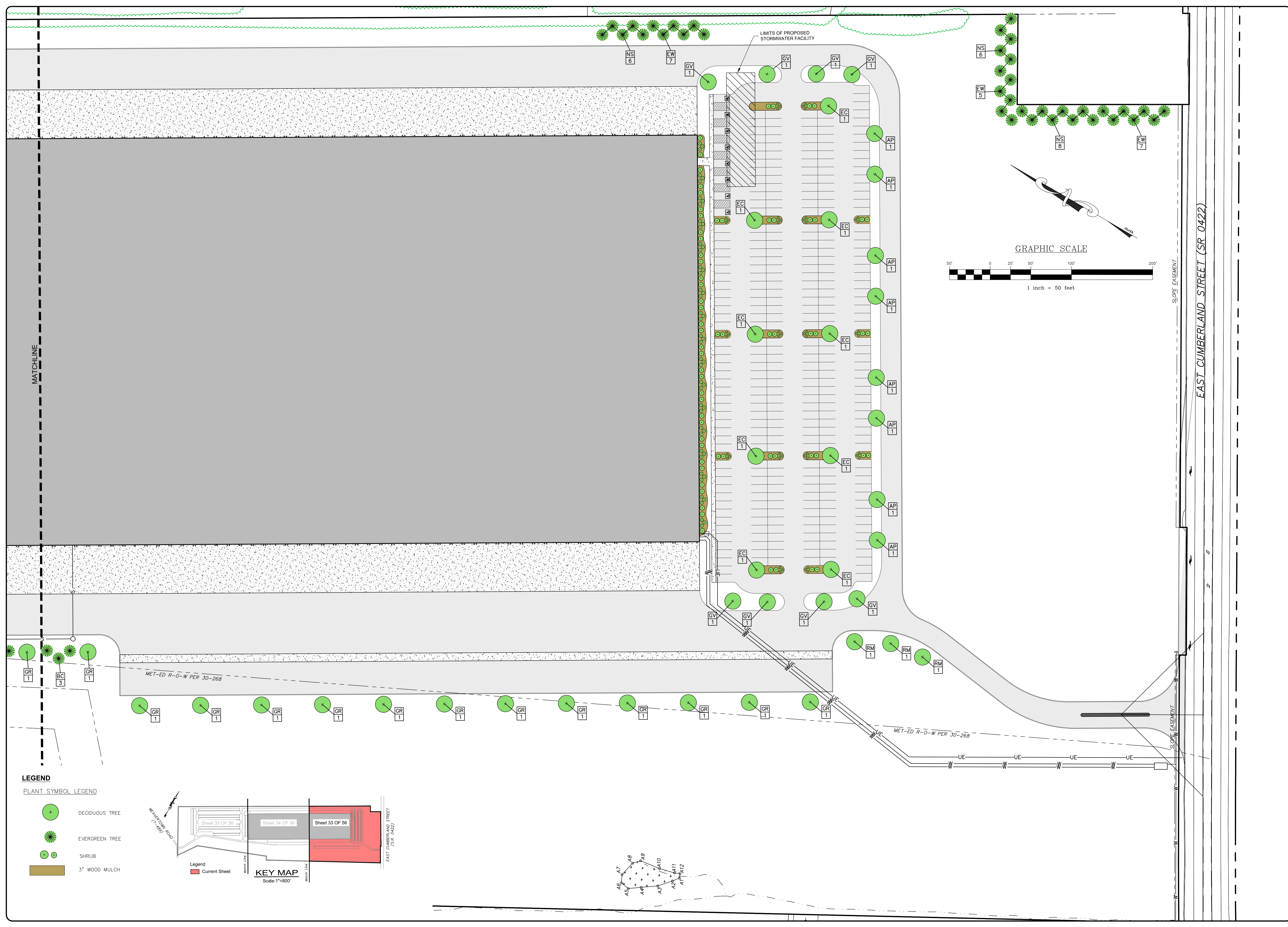
REVISION	DATE	BY

**OVERALL LANDSCAPING PLAN**  
 PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

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

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=150'
PROJECT #	#2214-22-001

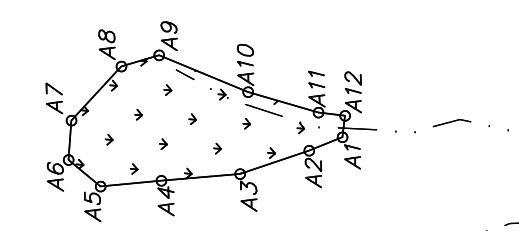
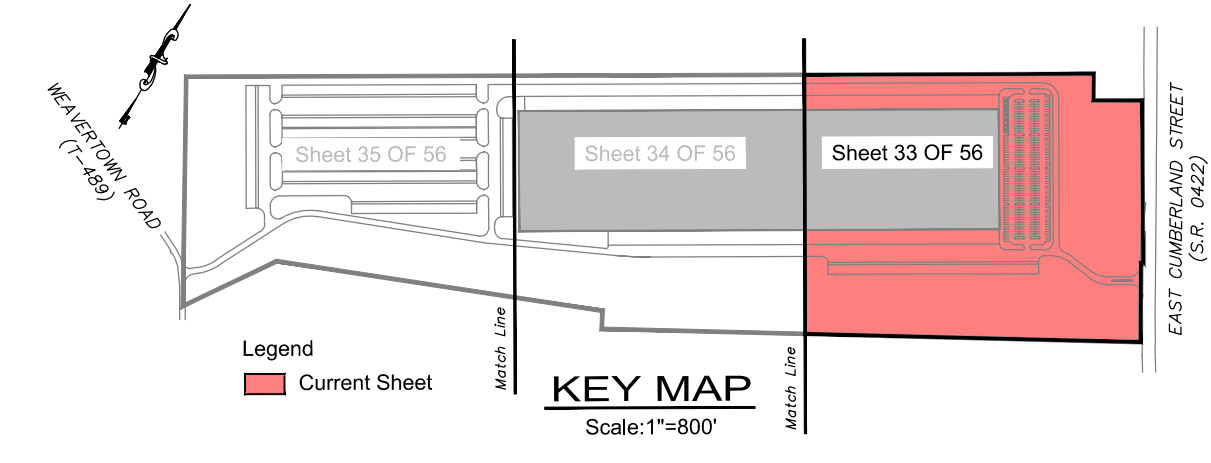




MATCHLINE

EAST CUMBERLAND STREET (SR 0422)

- LEGEND**
- PLANT SYMBOL LEGEND
- DECIDUOUS TREE
  - EVERGREEN TREE
  - SHRUB
  - 3" WOOD MULCH



REVISION	DATE	BY

**LANDSCAPING PLAN**

PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
located in  
North Lebanon Township  
Lebanon County, Pennsylvania

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

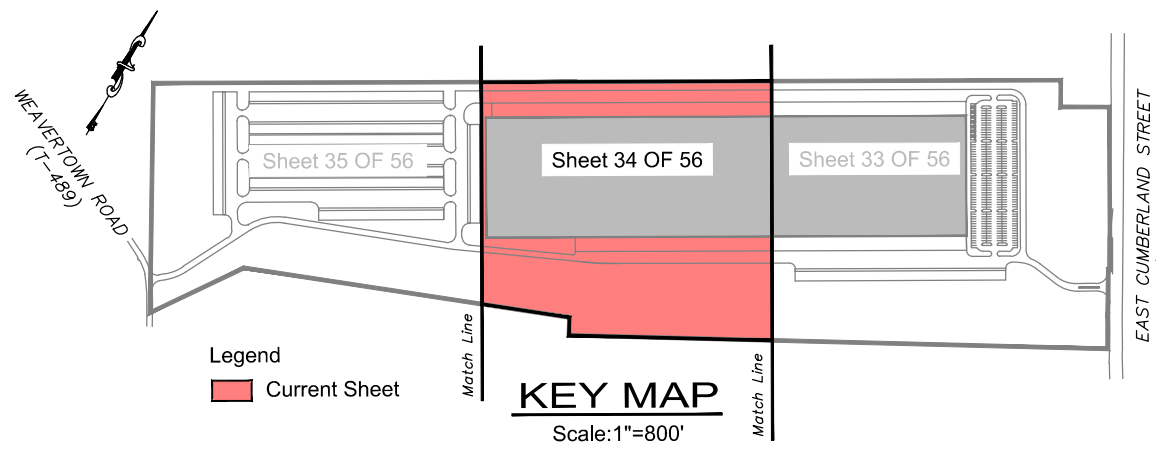
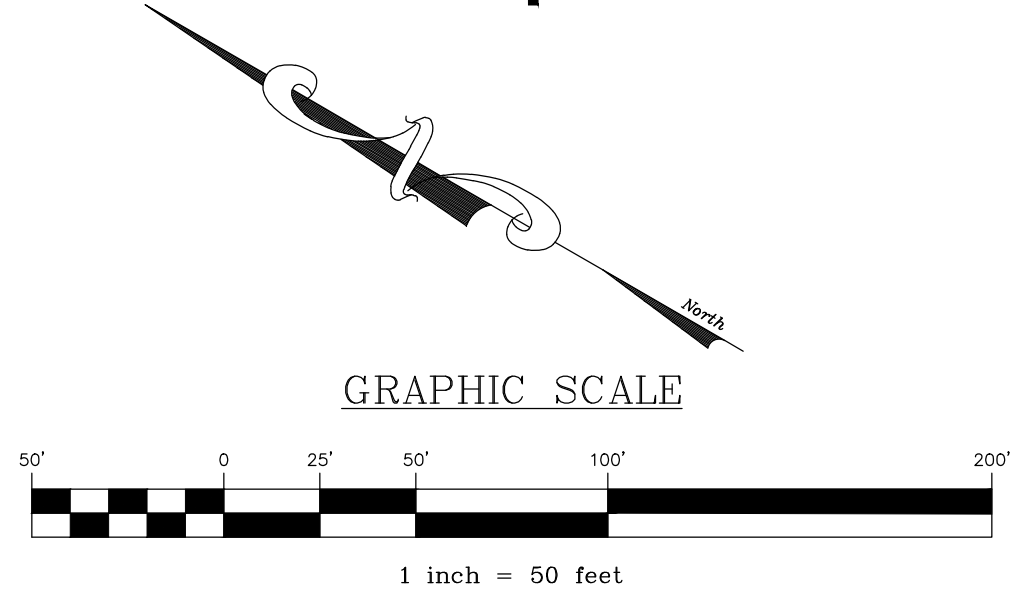
FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	2214-22-001



**LEGEND**

PLANT SYMBOL LEGEND

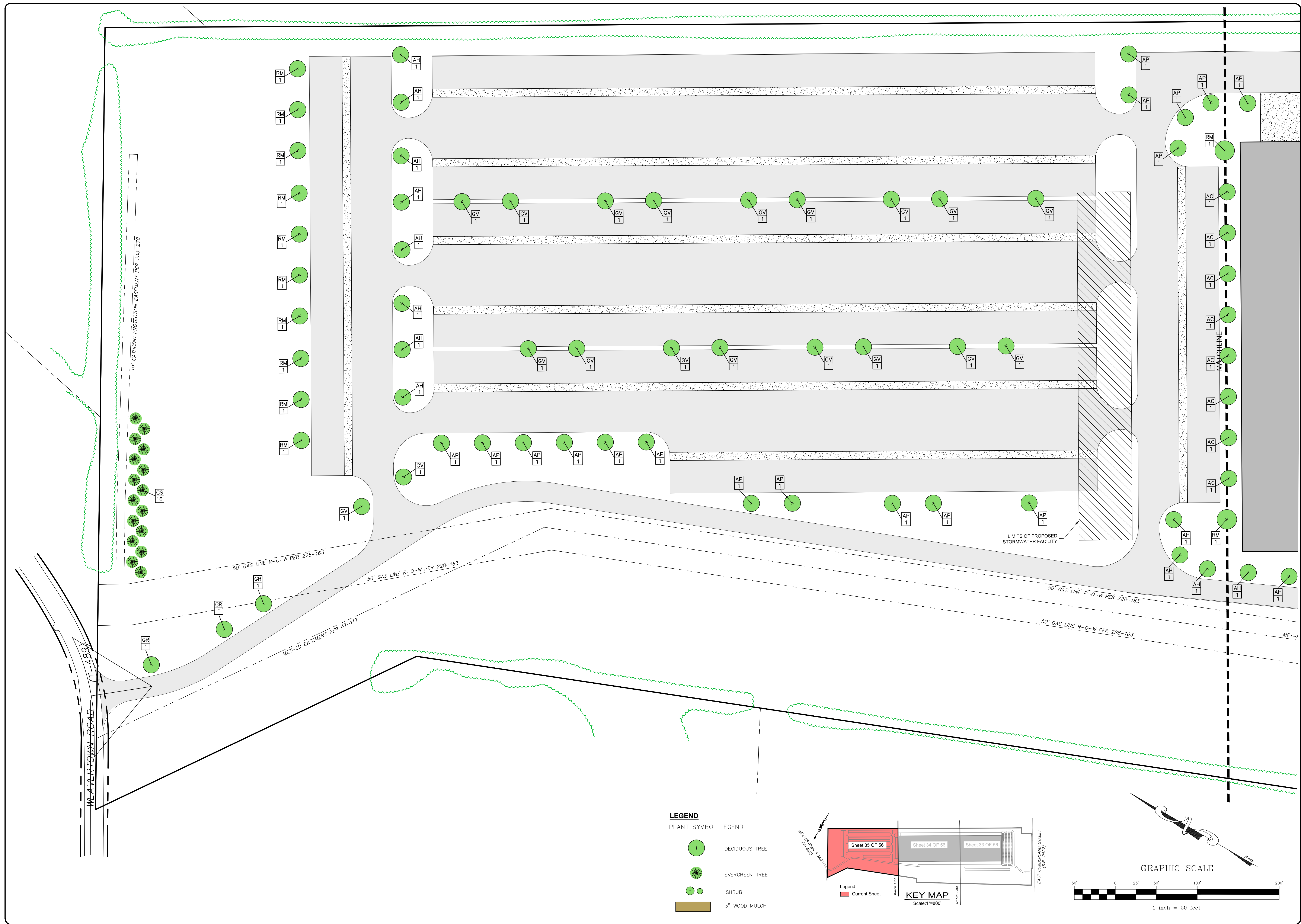
- DECIDUOUS TREE
- EVERGREEN TREE
- SHRUB
- 3" WOOD MULCH



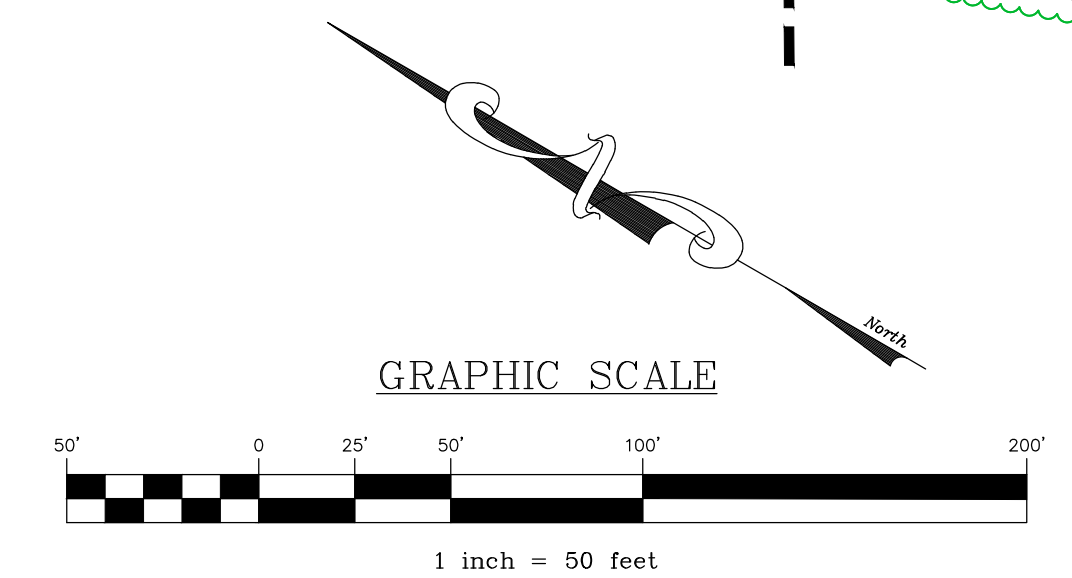
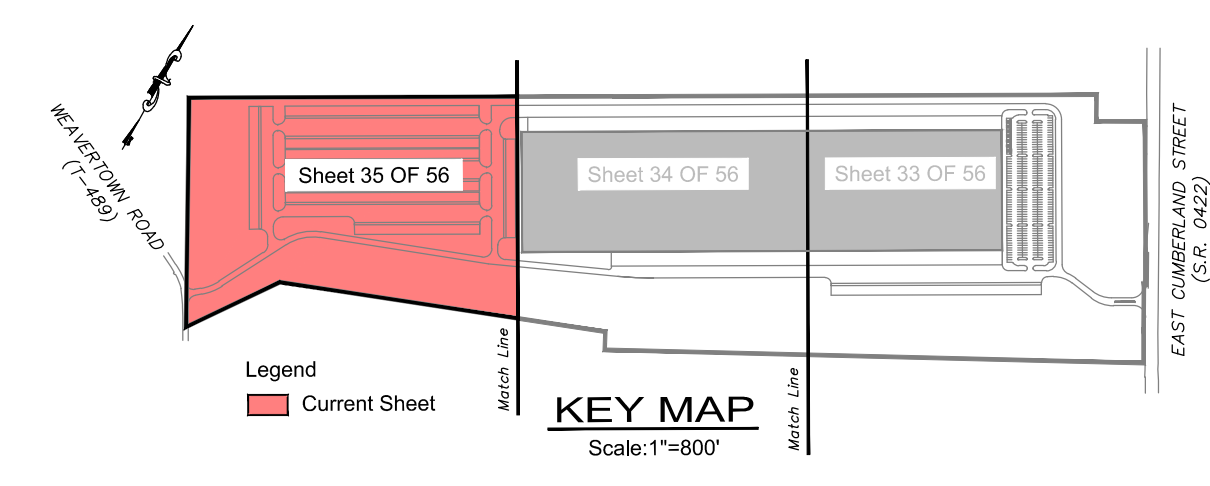
REVISION	DATE	BY

**LANDSCAPING PLAN**  
 PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	2214-22-001



- LEGEND**  
PLANT SYMBOL LEGEND
- DECIDUOUS TREE
  - EVERGREEN TREE
  - SHRUB
  - 3" WOOD MULCH



REVISION	DATE	BY

**LANDSCAPING PLAN**  
 PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

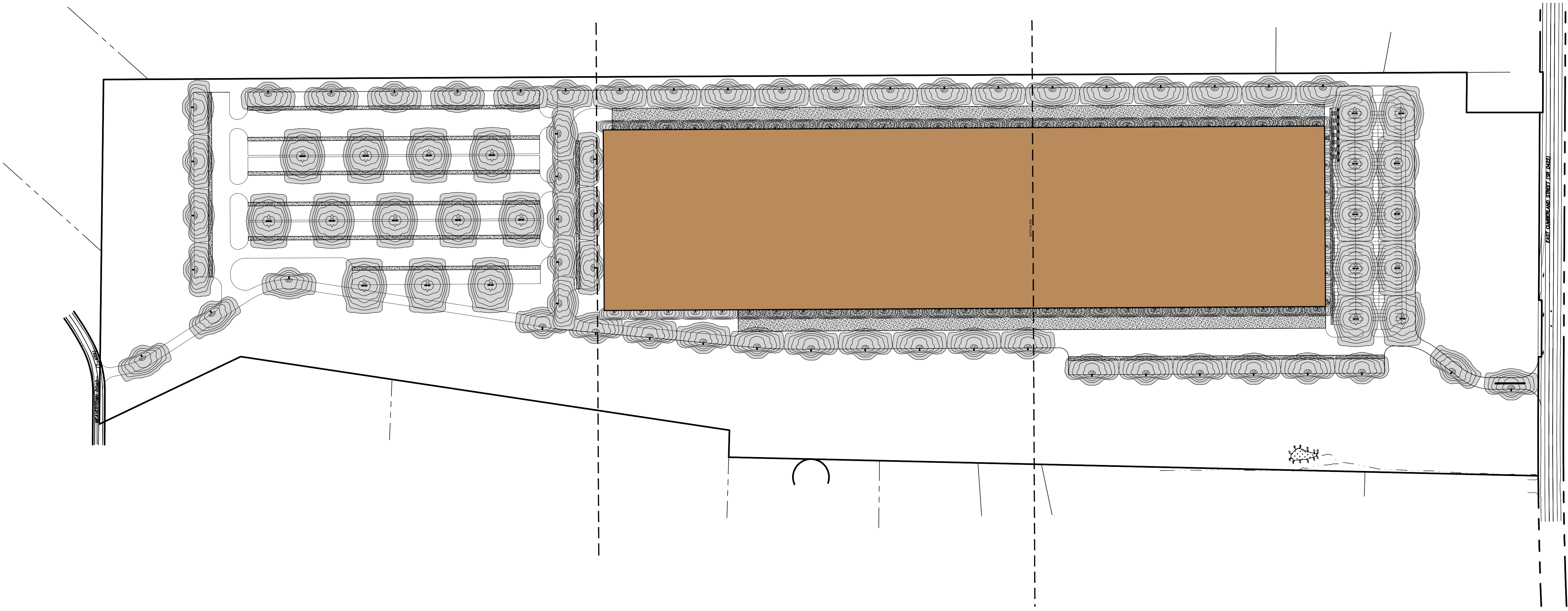
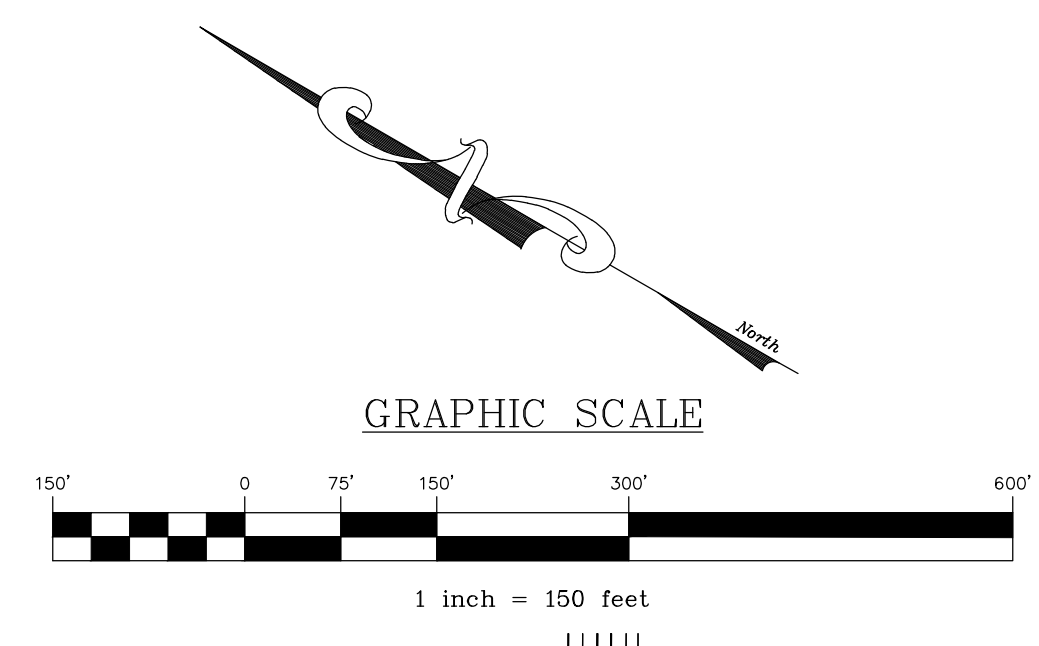
**RSI**  
 Reed, Smith & Associates, Inc.  
 279 Lebanon, Pennsylvania 17042  
 Phone: (717) 272-7110  
 Fax: (717) 272-7348

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	#2214-22-001

**LEGEND**

- EXISTING FEATURES**
- EXISTING ADJOINER LINE
  - EXISTING BOUNDARY LINE AND CORNERS
  - - - - - EXISTING RIGHT-OF-WAY
  - x - EXISTING FENCE
  - ▨ EXISTING SIDEWALK/CONCRETE
  - EXISTING EDGE OF PAVEMENT AND CURB LINE

- PROPOSED FEATURES**
- PROPOSED BUILDING SETBACK
  - ▨ PROPOSED EDGE OF PAVEMENT AND CURB LINE
  - x - PROPOSED FENCE
  - ▨ PROPOSED CONCRETE/SIDEWALK
  - PROPOSED PIPE BOLLARD

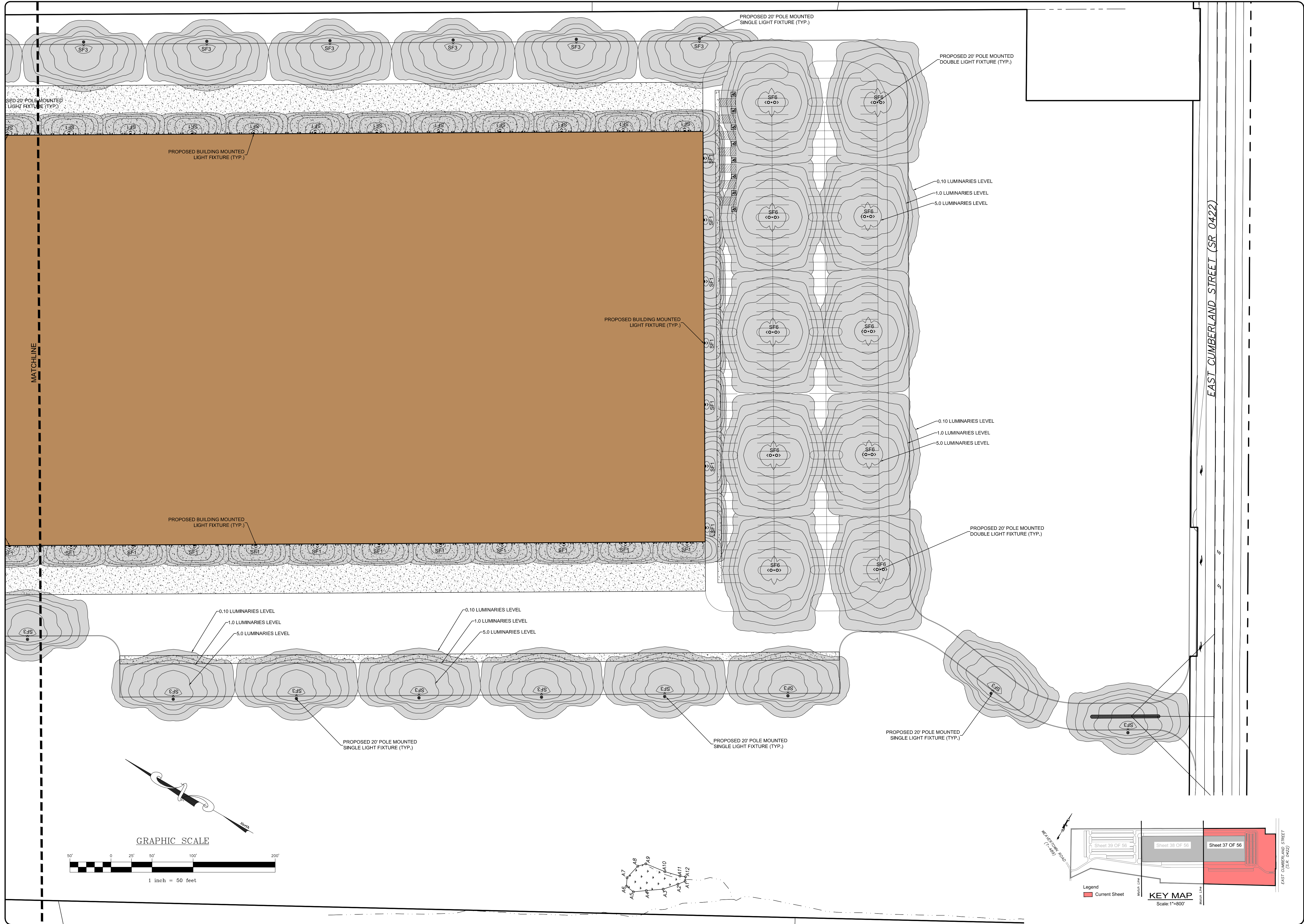


REVISION	DATE	BY

**OVERALL LIGHTING PLAN**  
 For  
**PRELIMINARY/FINAL LAND DEVELOPMENT PLAN**  
 NLT WAREHOUSE AND TRAILER STORAGE  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

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

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=150'
PROJECT #	2214-22-001

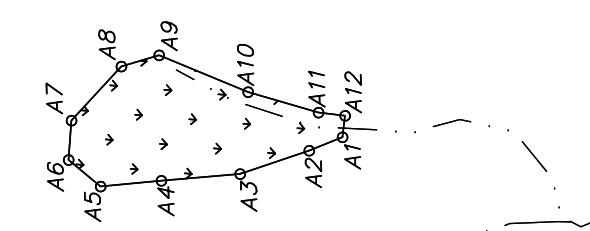
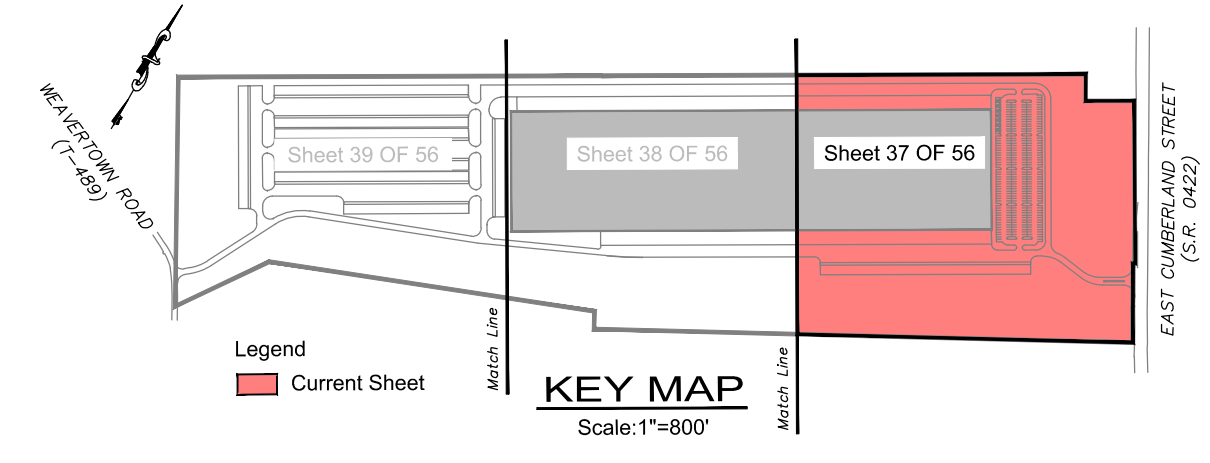
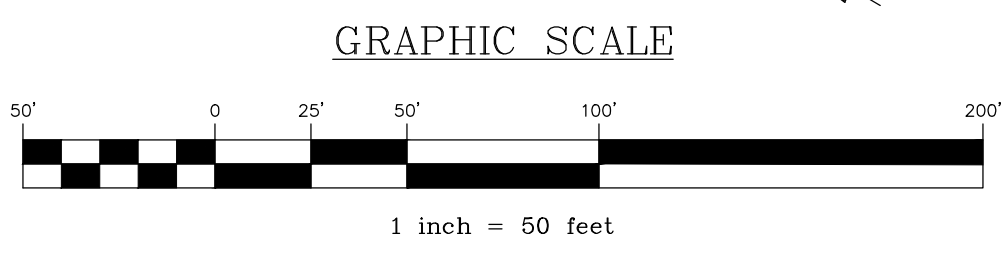


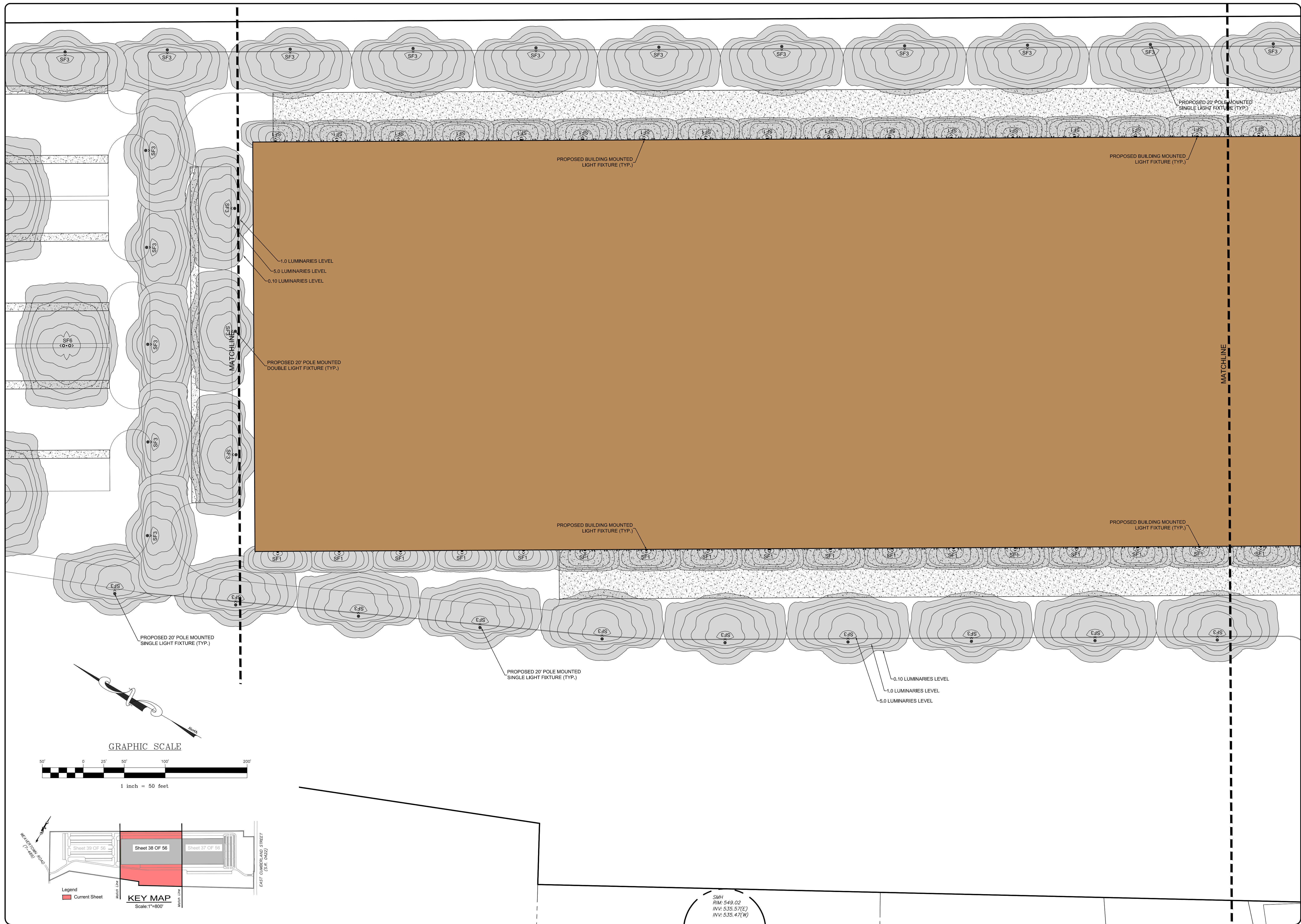
REVISION	DATE	BY

**LIGHTING PLAN**  
 For  
**PRELIMINARY/FINAL LAND DEVELOPMENT PLAN**  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 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:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	#2214-22-001





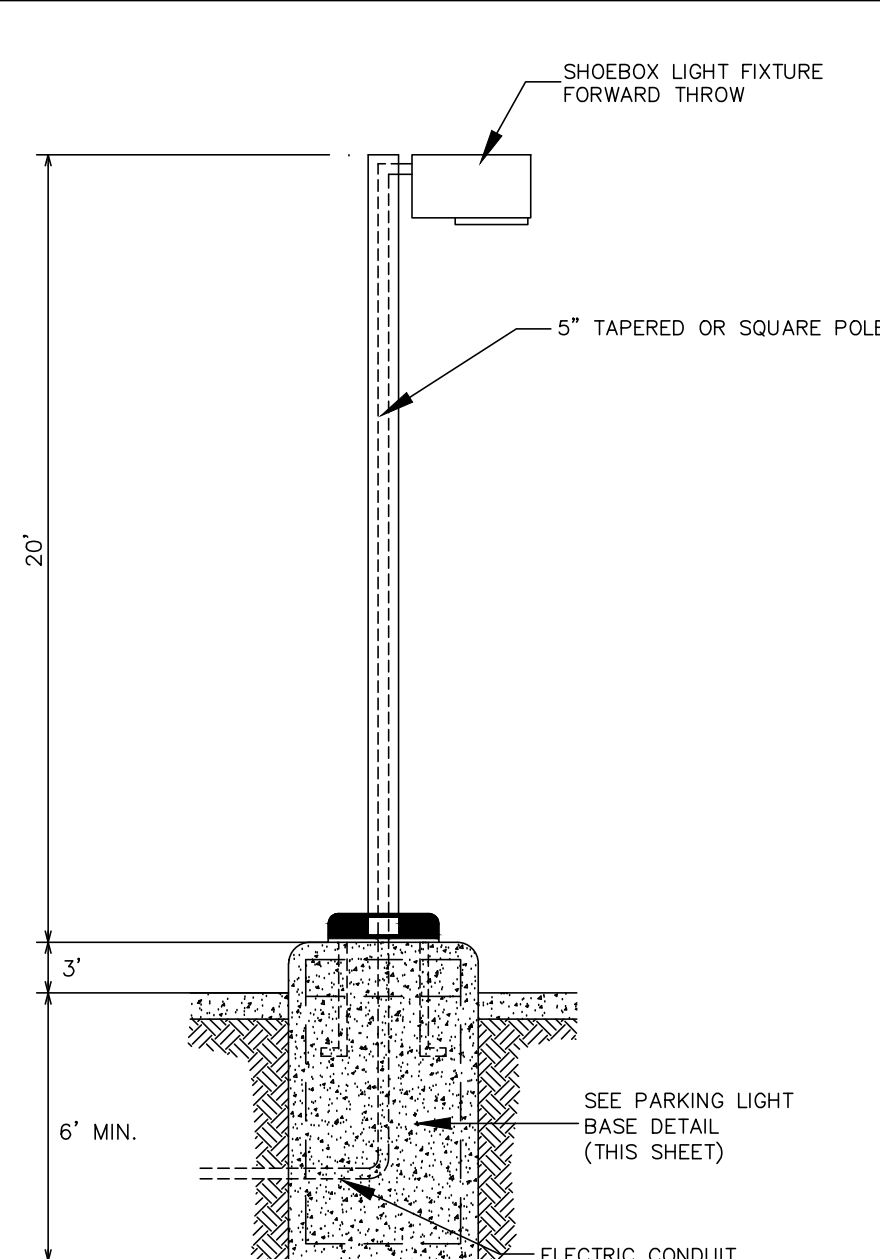
REVISION	DATE	BY

**LIGHTING PLAN**

PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
located in  
North Lebanon Township  
Lebanon County, Pennsylvania

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

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	#2214-22-001

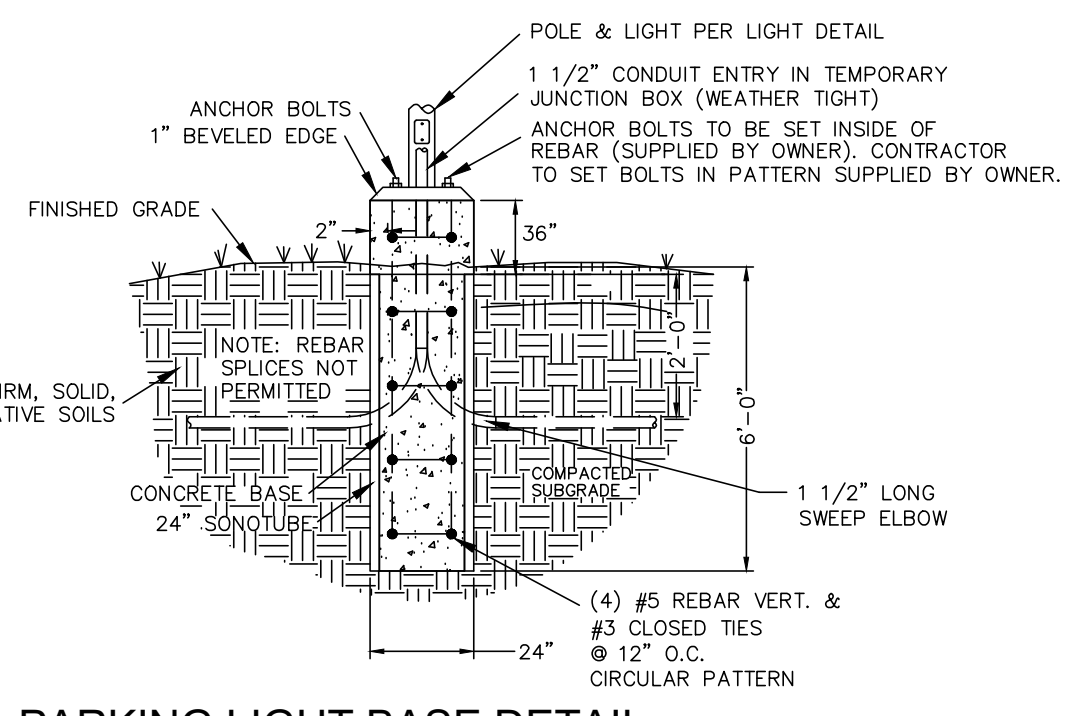


Installation/Mounting in Accordance With Light Standards Manufacturers Specifications.

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.

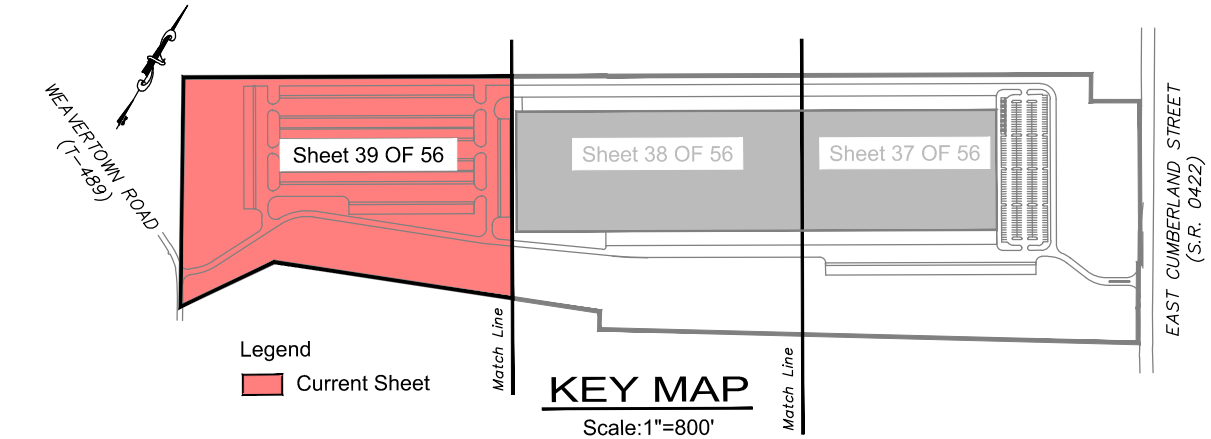
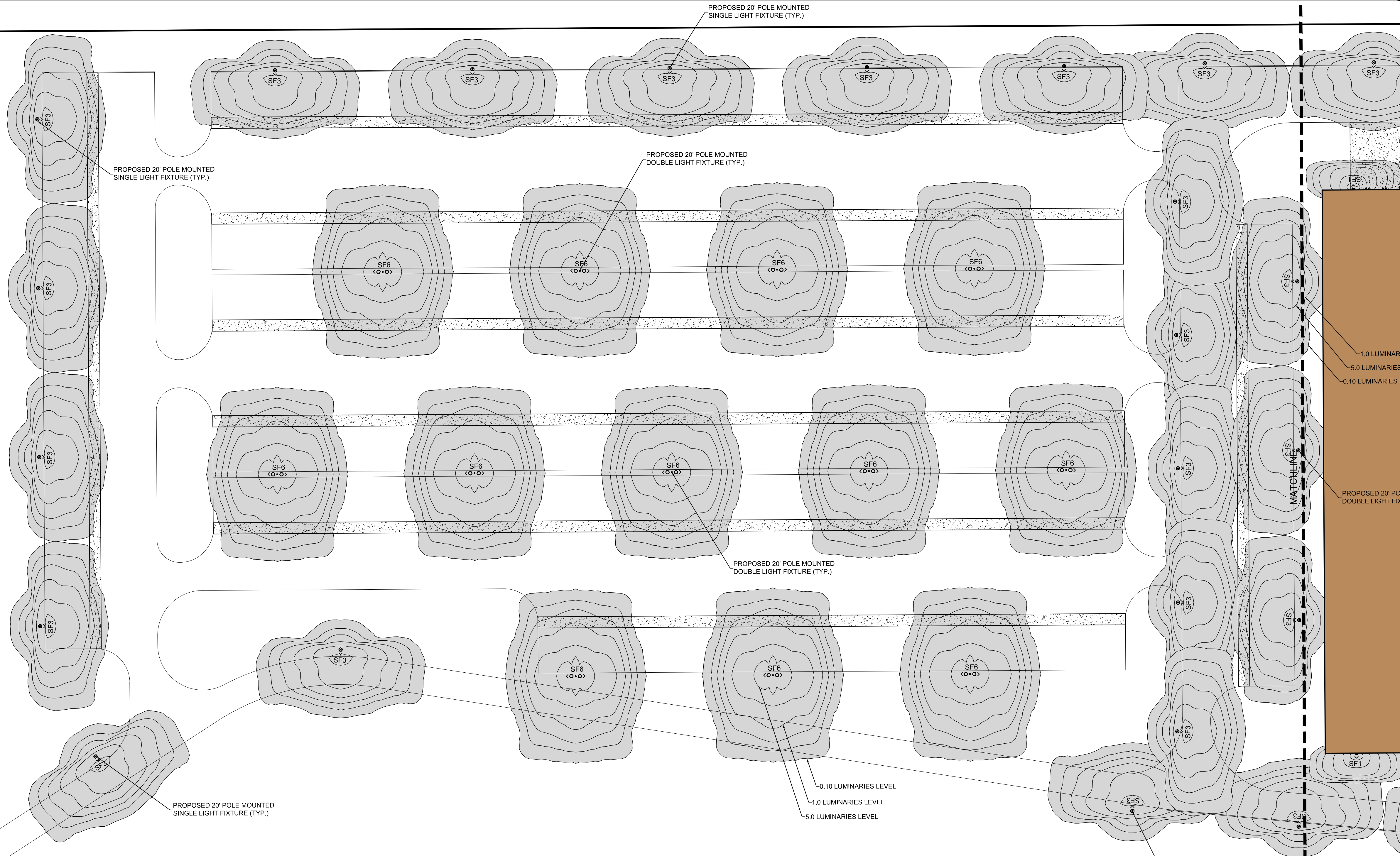
**TYPICAL 20' POLE & FOUNDATION**

NO SCALE

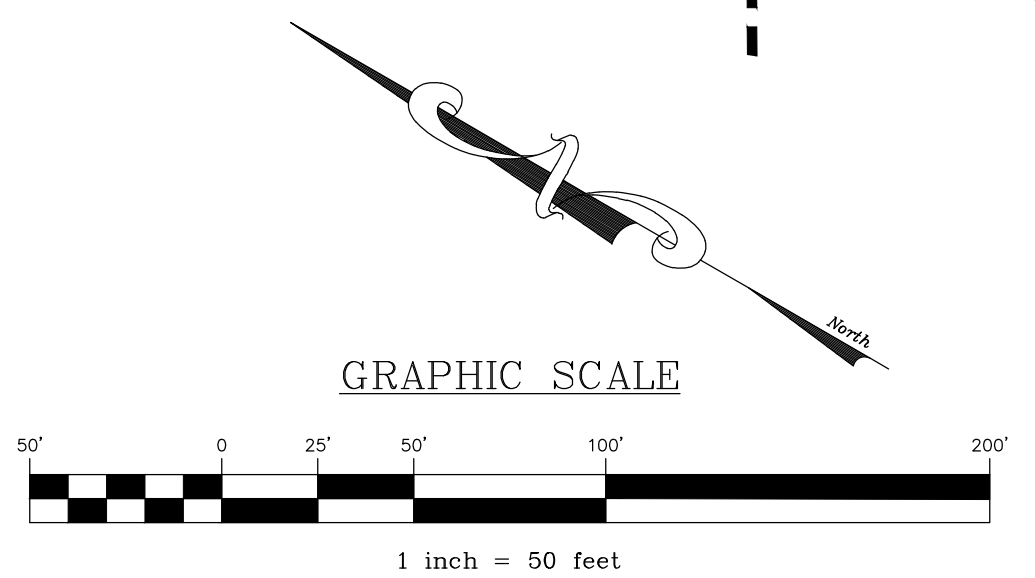


**PARKING LIGHT BASE DETAIL**

NO SCALE



Symbol	Label	QTY	Manufacturer	Catalog Number	Description	Lamp	Filename	Lumens	LLF	Wattage
—	SF1	61	SIGNIFY GARDCO	104L-16L-700-NW-G1-3	100 LINE LED SCNCE	(1) LEDGINE 3.1 LIGHT ARRAYS OF 16 LEDs (LUXEON T) AT 37W	104l-16l-700-nw-g1-3.ies	3458	0.9	36.8
—	SF3	52	SIGNIFY GARDCO	SFRA-3-110LA-4870-NW	SlenderForm Round Arm Mount SFRA 48 LED's 4000K CCT, TYPE 3 OPTIC.	(1) (48LED) FLEXgine ARRAY(S) DRIVEN AT 700mA	sfra-3-110la-4870-nw.ies	12566	0.9	107
—	SF6	22	SIGNIFY GARDCO	SFRA-3-110LA-4870-NW	SlenderForm Round Arm Mount SFRA 48 LED's 4000K CCT, TYPE 3 OPTIC.	(1) (48LED) FLEXgine ARRAY(S) DRIVEN AT 700mA	sfra-3-110la-4870-nw.ies	12566	0.9	214

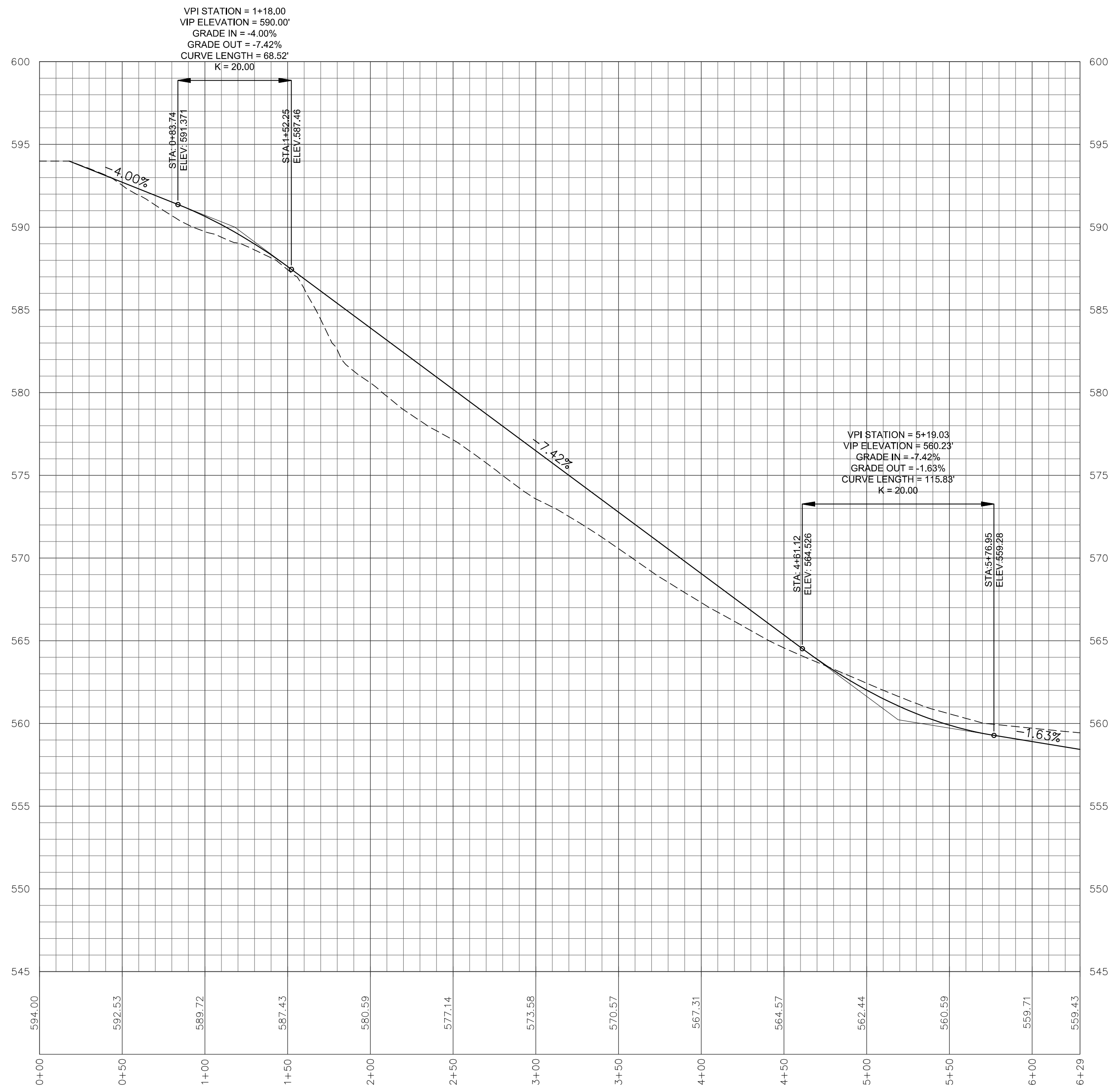


REVISION	DATE	BY

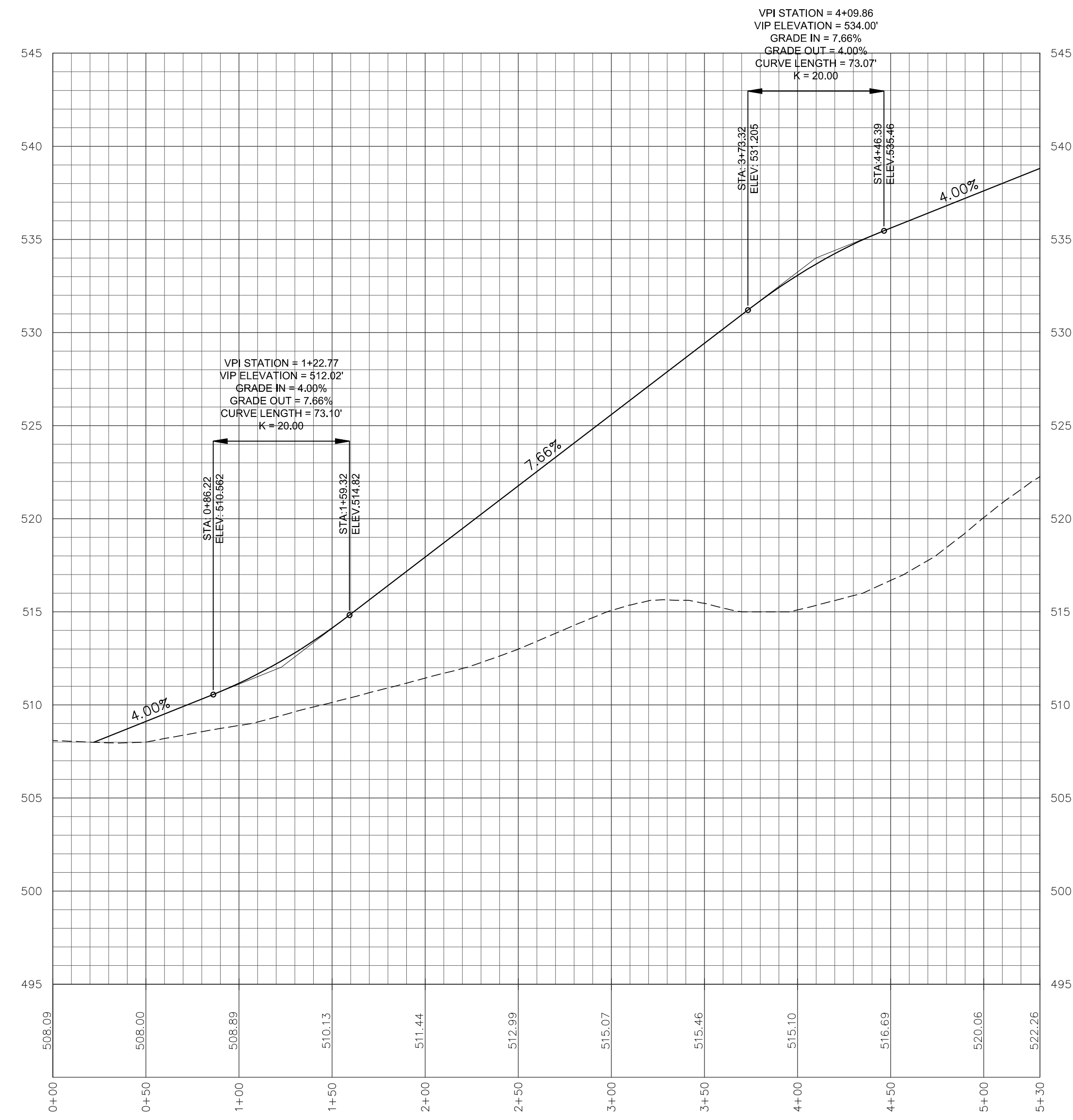
**LIGHTING PLAN**  
 For  
**PRELIMINARY/FINAL LAND DEVELOPMENT PLAN**  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

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

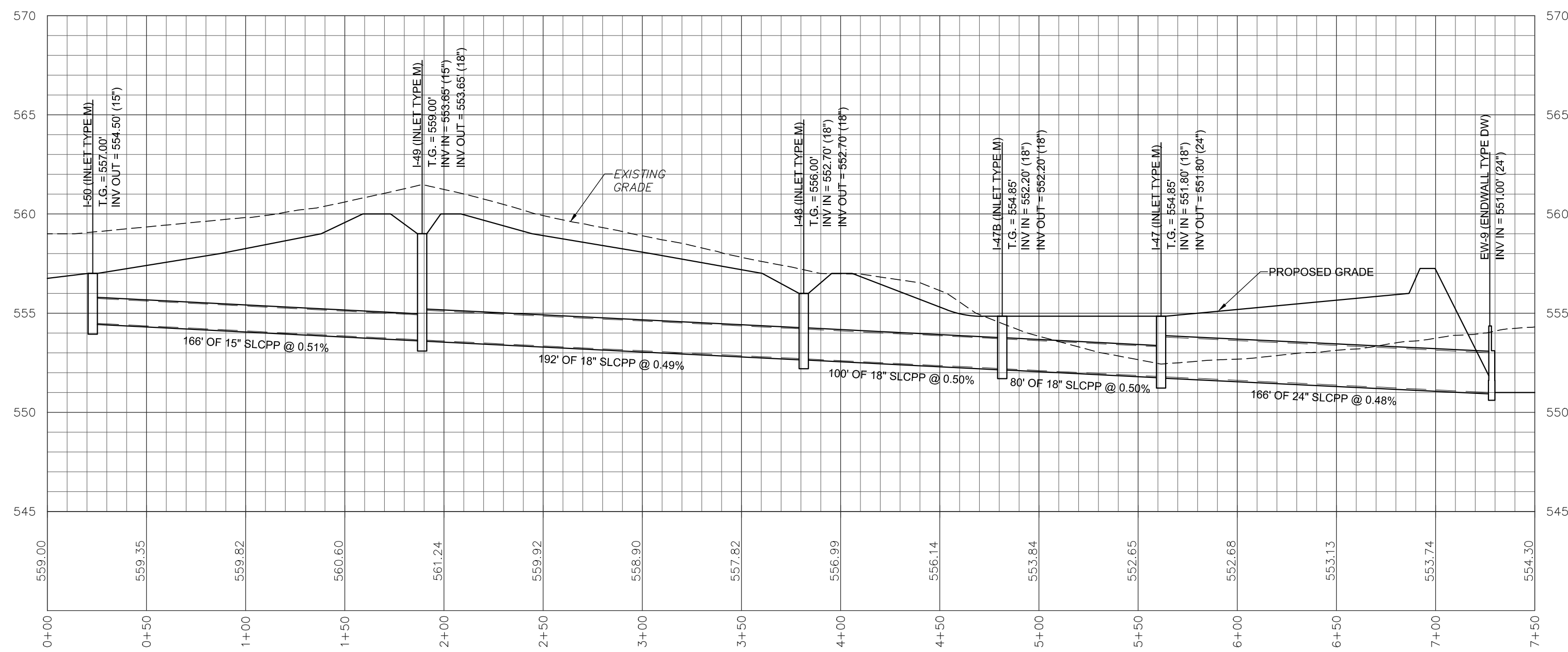
FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	2214-22-001



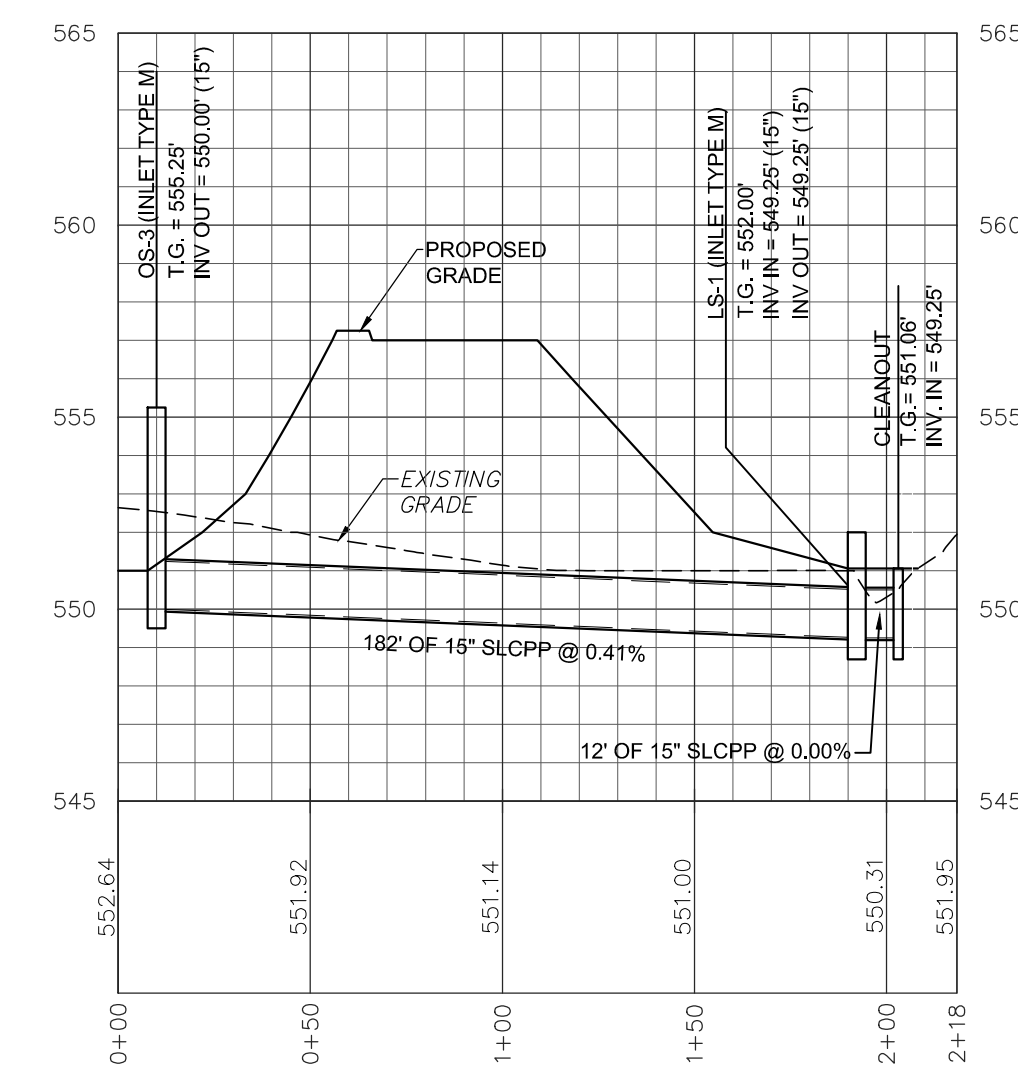
Northern Entrance



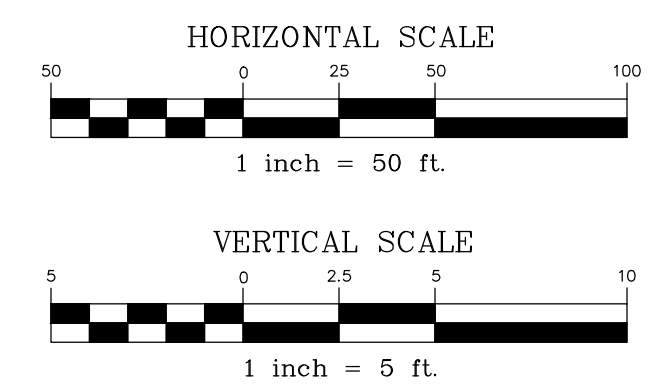
Main Access Drive



STORMWATER - I-50 TO EW-9



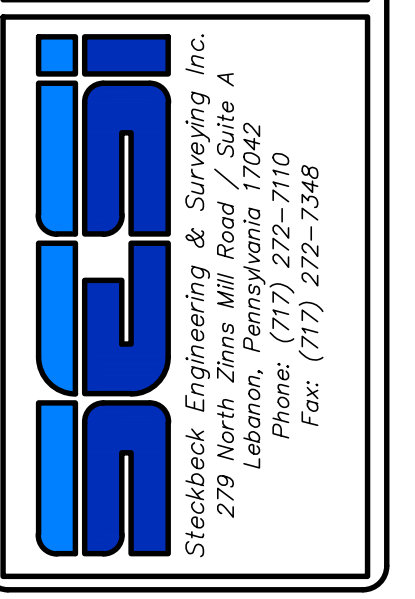
STORMWATER - OS-3 TO LS-1



REVISION	DATE	BY

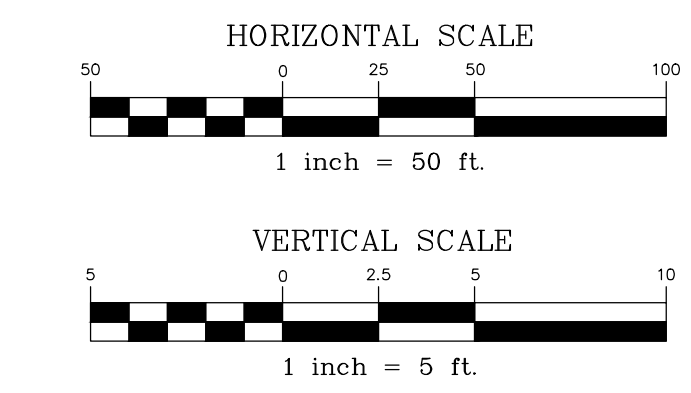
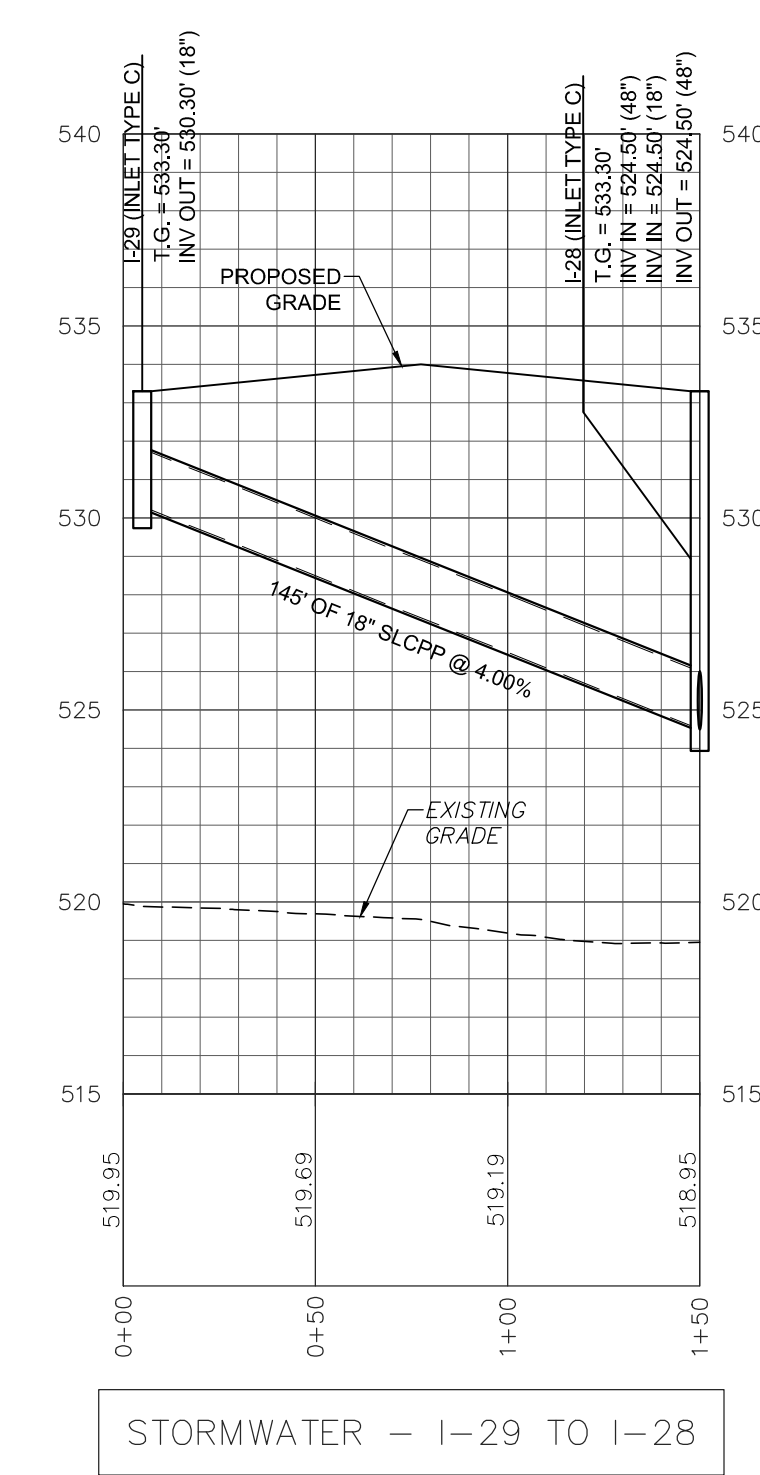
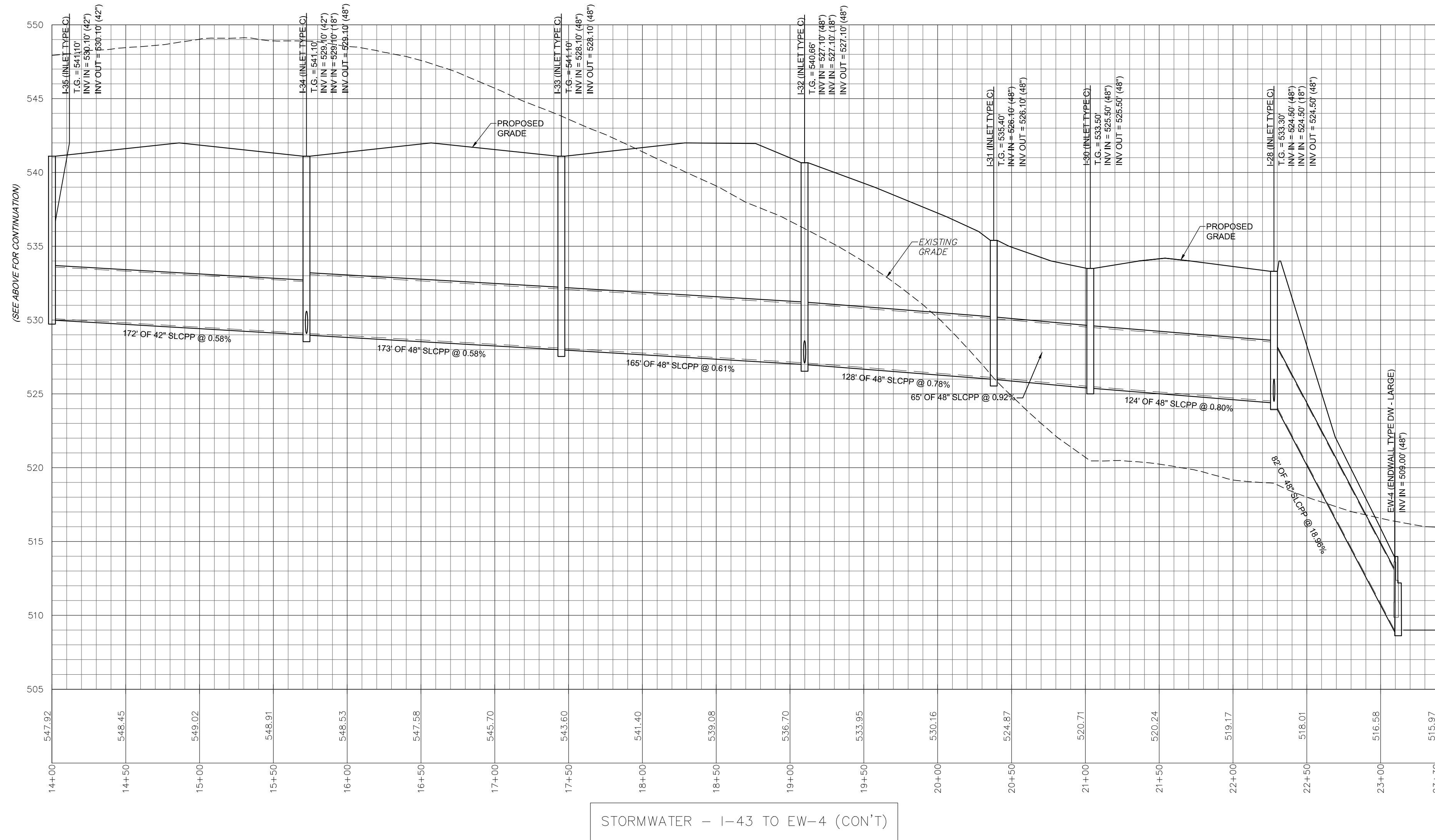
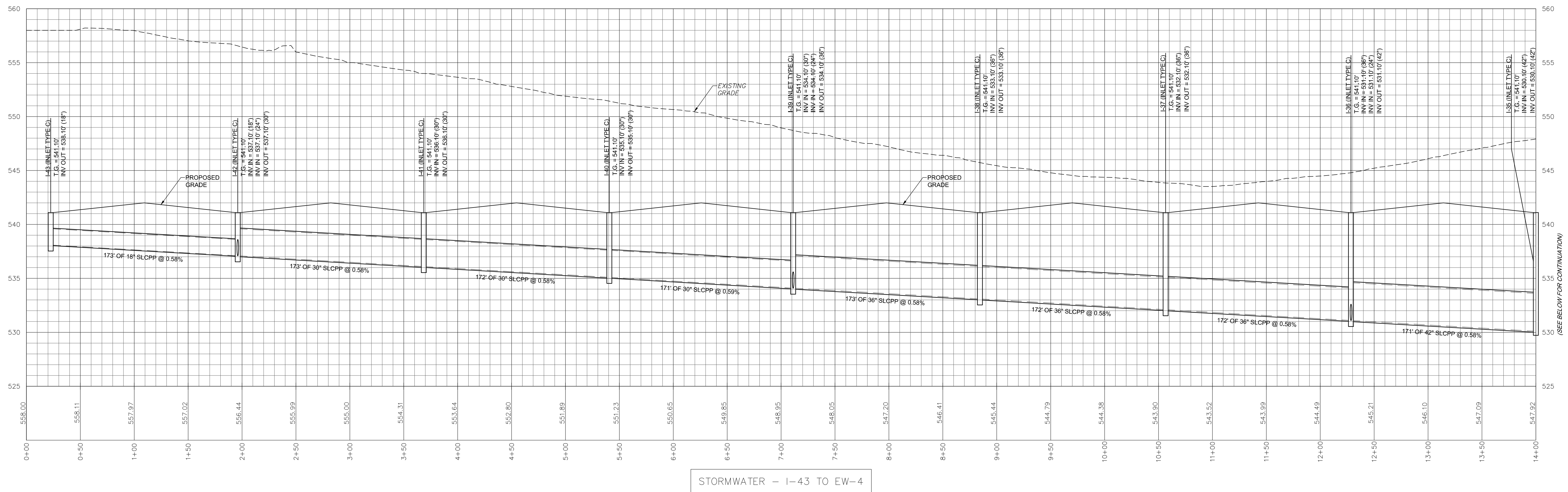
**PROFILES**

PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
For  
NLT WAREHOUSE AND TRAILER STORAGE  
located in  
North Lebanon Township  
Lebanon County, Pennsylvania



FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=150'
PROJECT #	2214-22-001



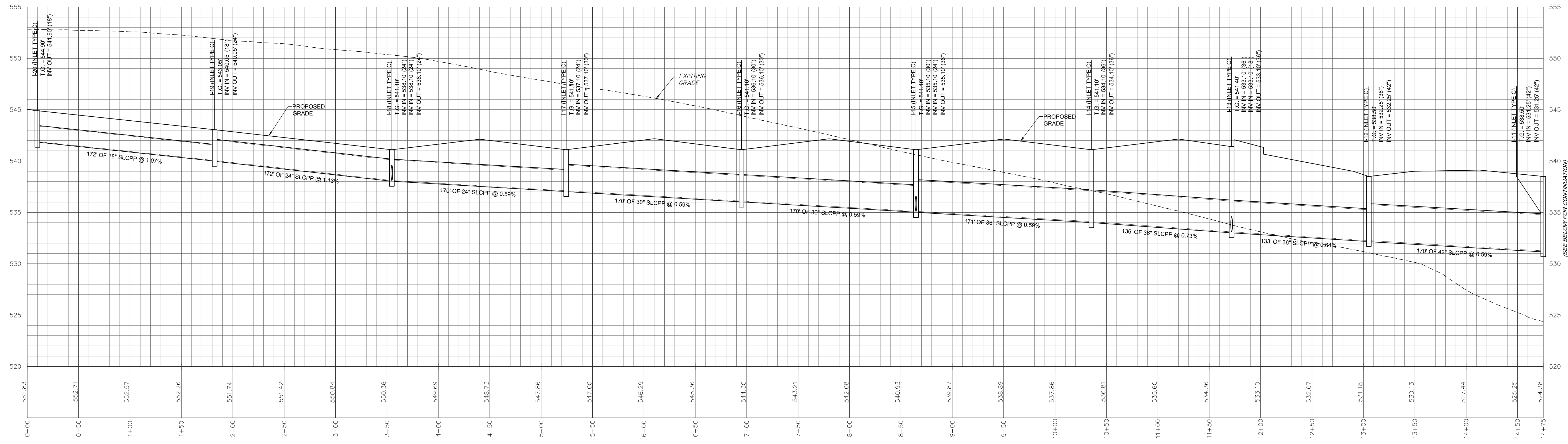


REVISION	DATE	BY

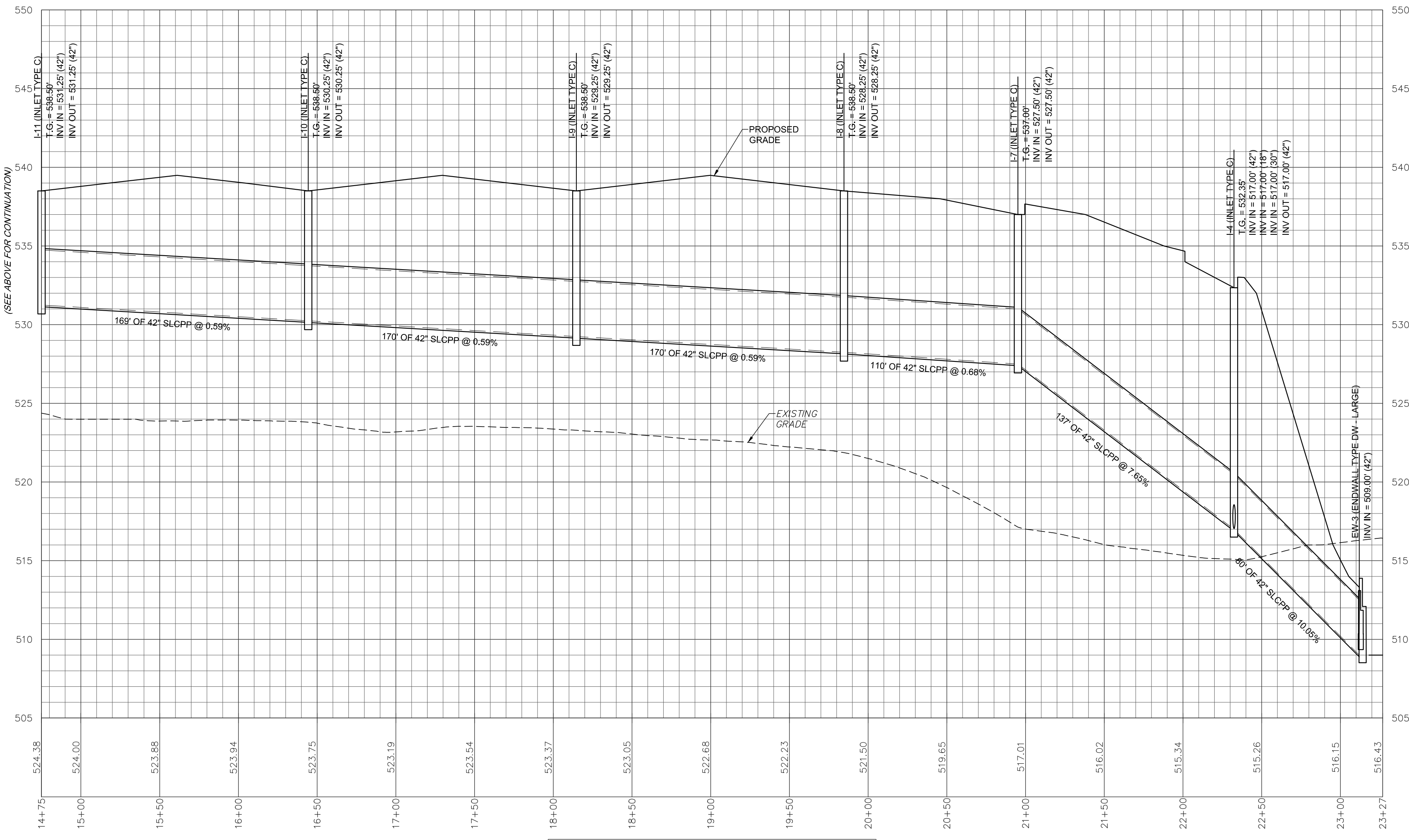
**PROFILES**  
 PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
 NLT WAREHOUSE AND TRAILER STORAGE  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

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

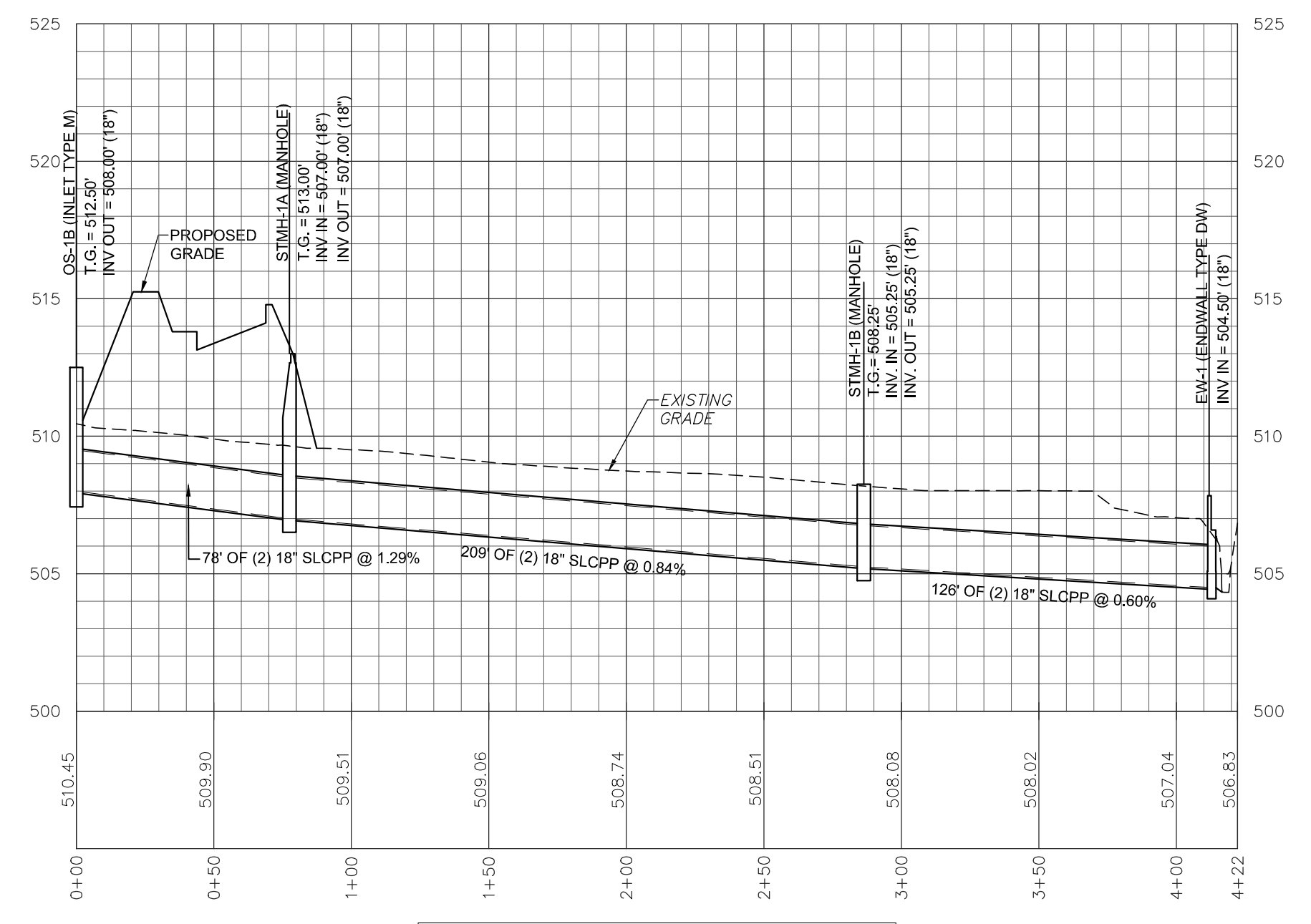
FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	2214-22-001



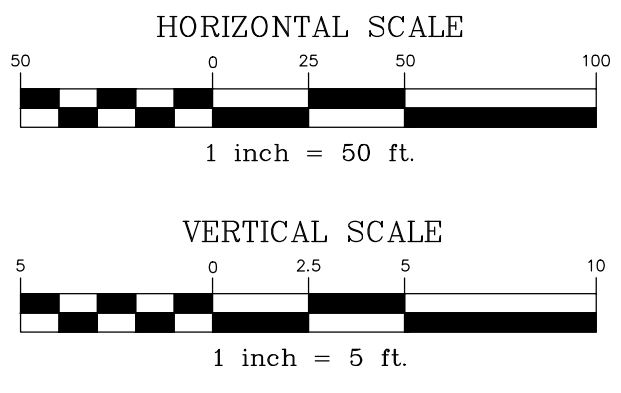
STORMWATER - I-20 TO EW-3



STORMWATER - I-20 TO EW-3 (CONT)



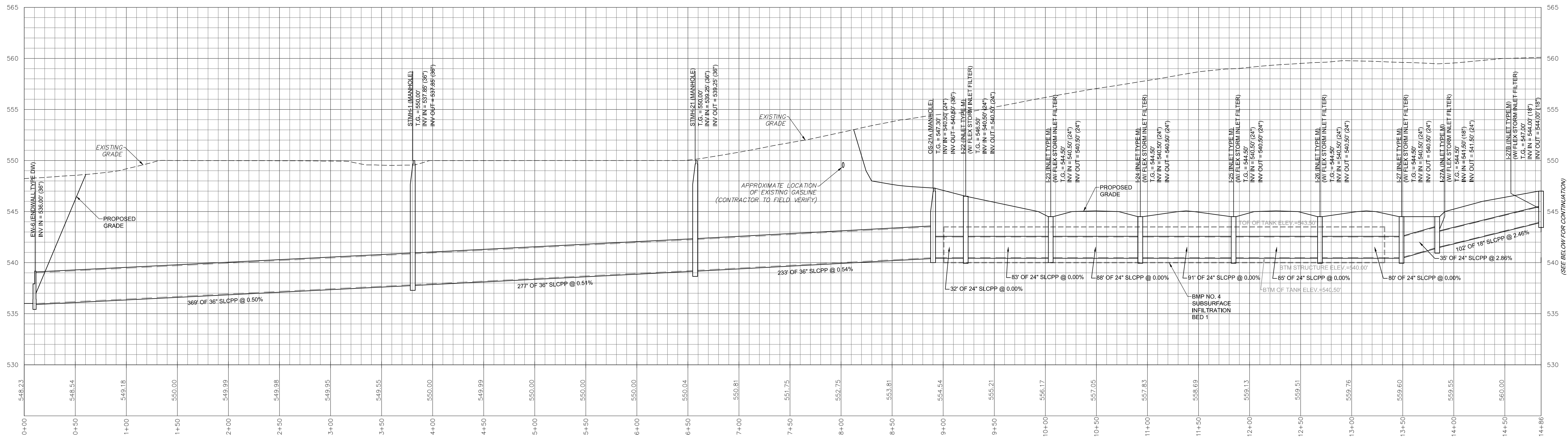
STORMWATER - OS-1B TO EW-1



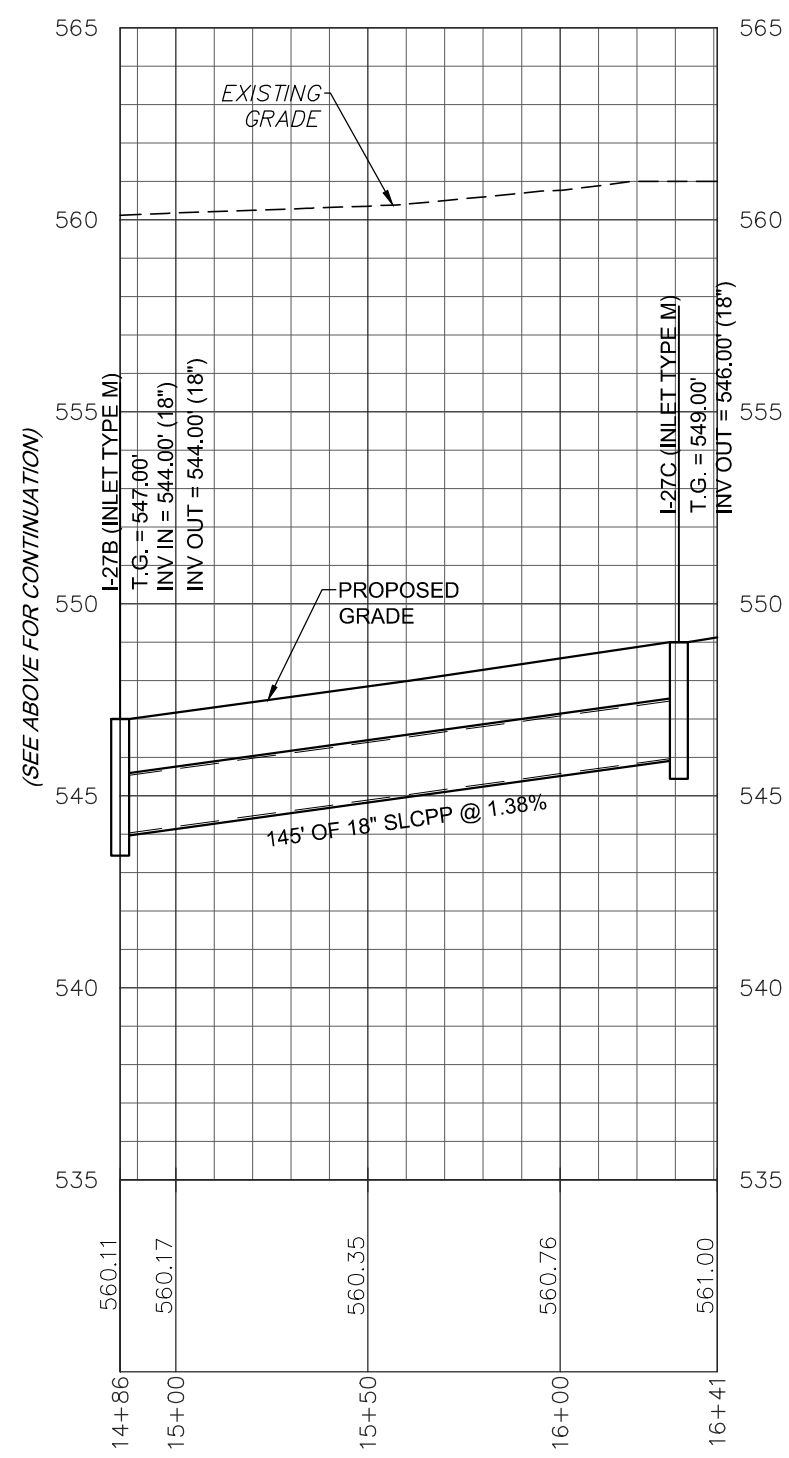
REVISION	DATE	BY

**PROFILES**  
 PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

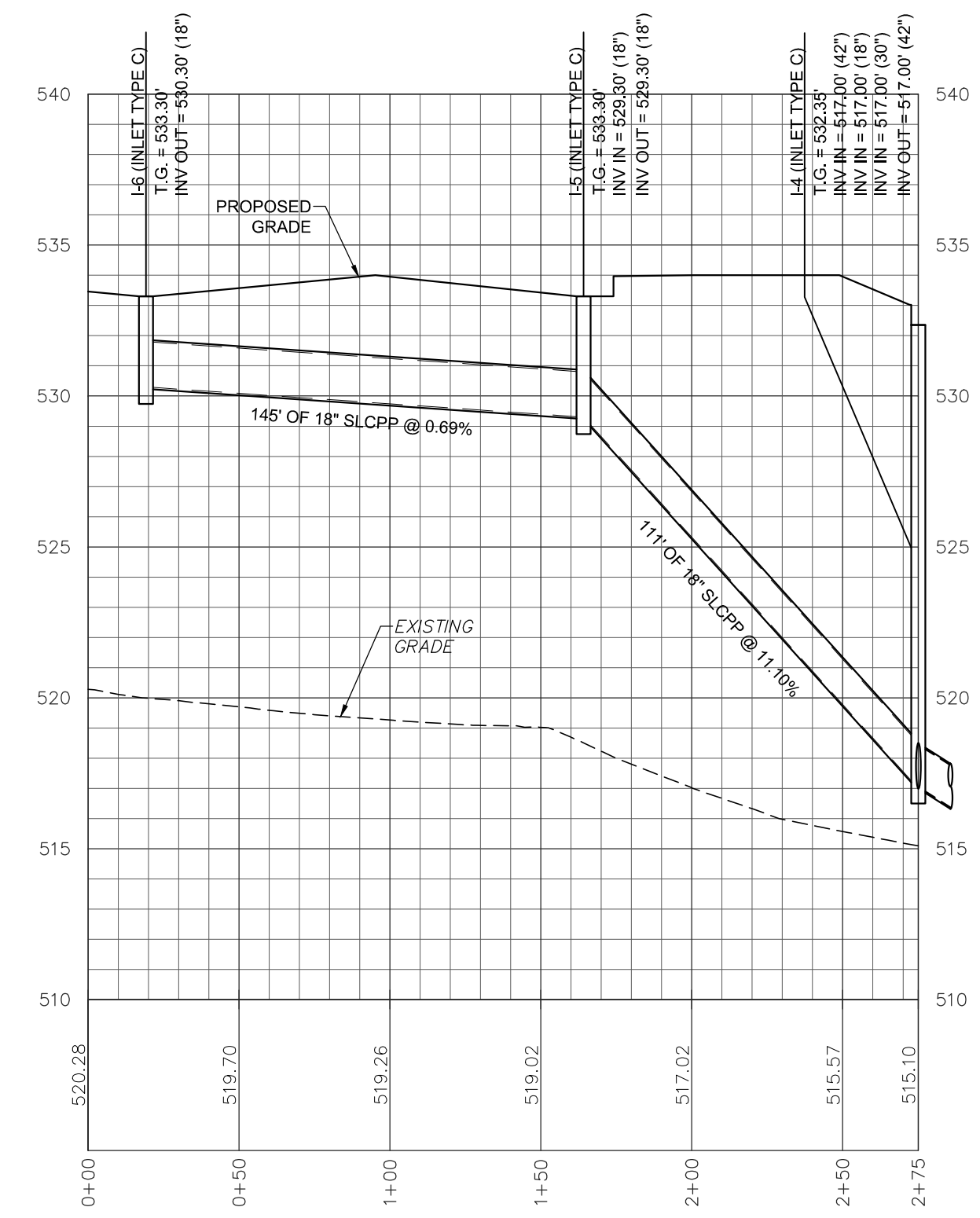
FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	2214-22-001



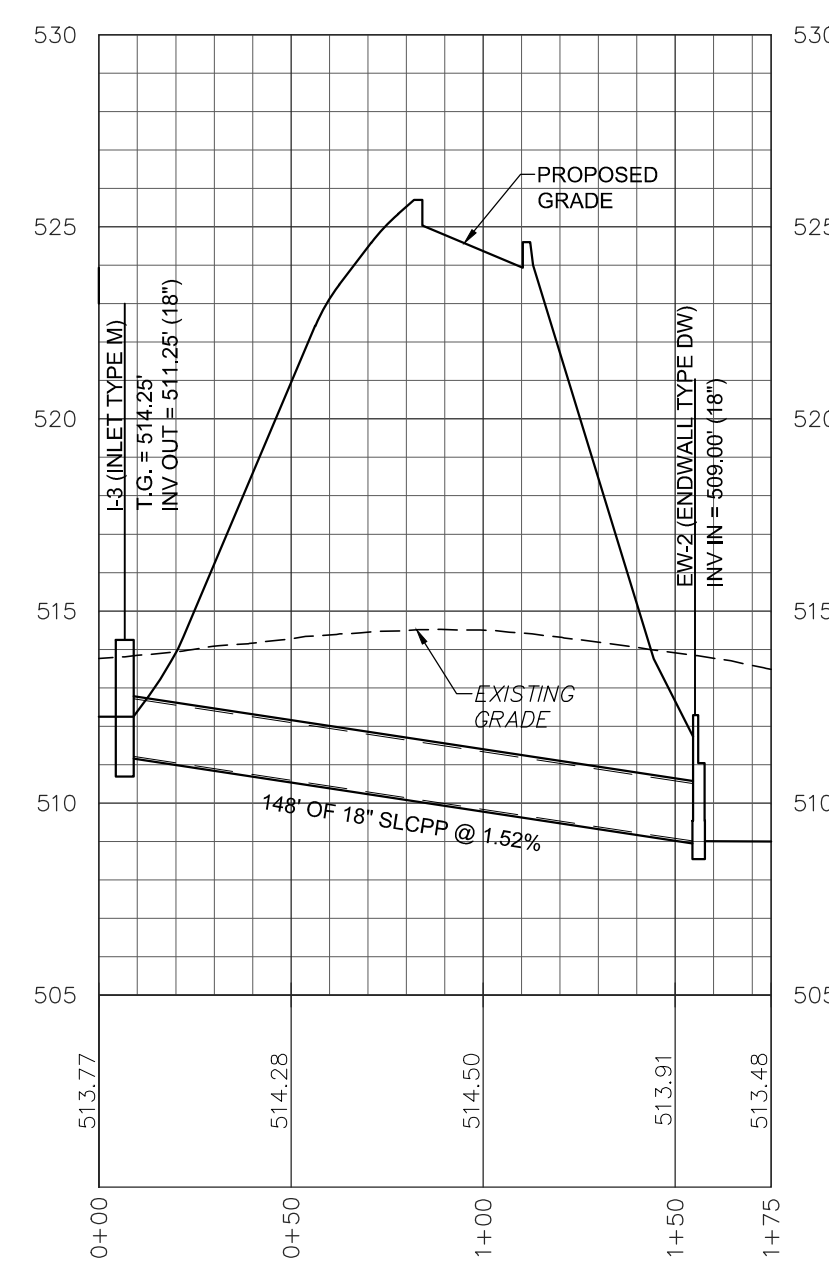
STORMWATER - I-27 TO EW-6



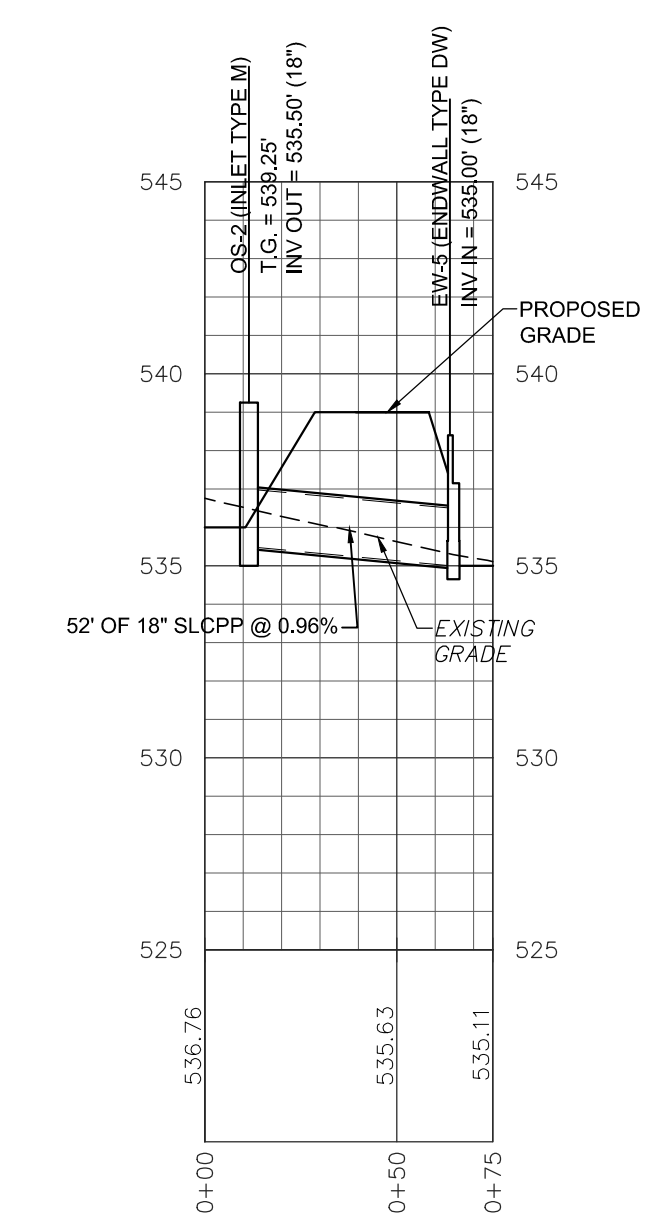
STORMWATER I-27 TO EW-6 (CON'T)



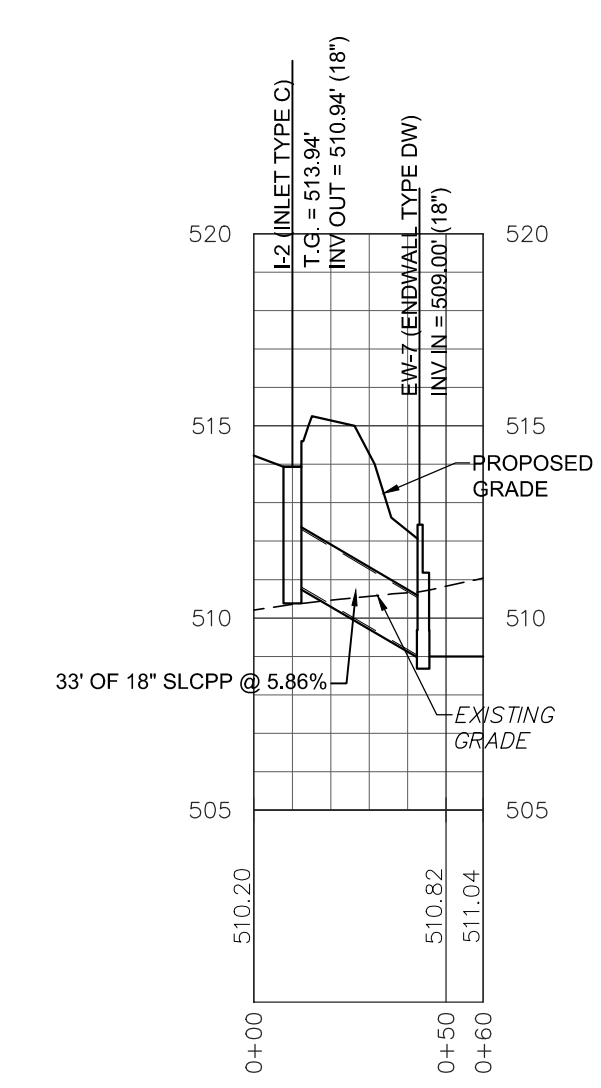
STORMWATER - I-6 TO I-4



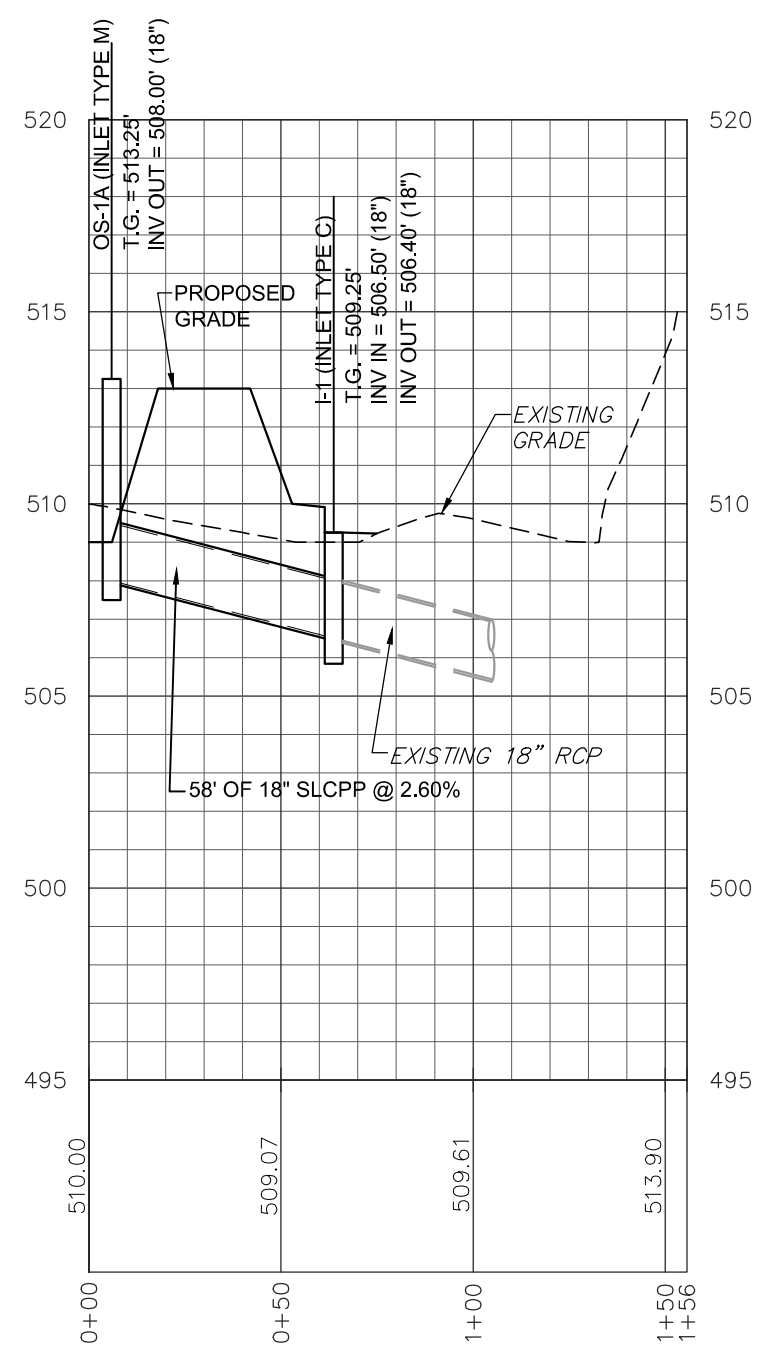
STORMWATER - I-3 TO EW-2



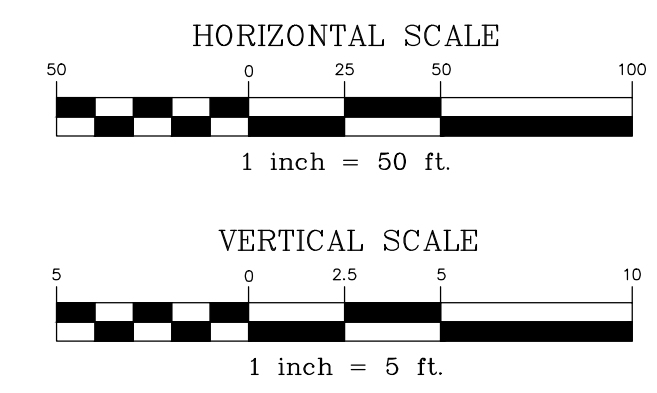
STORMWATER - OS-2 TO EW-5



STORMWATER - I-2 TO EW-7

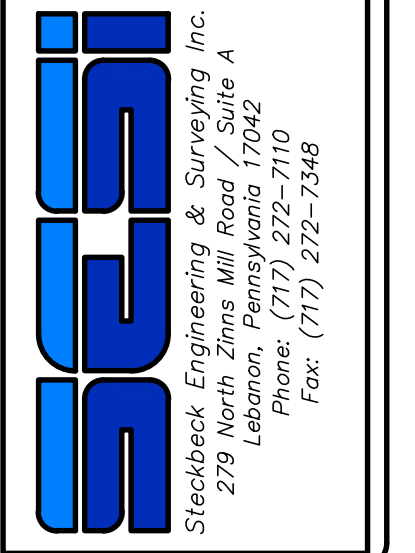


STORMWATER - OS-1A TO I-1

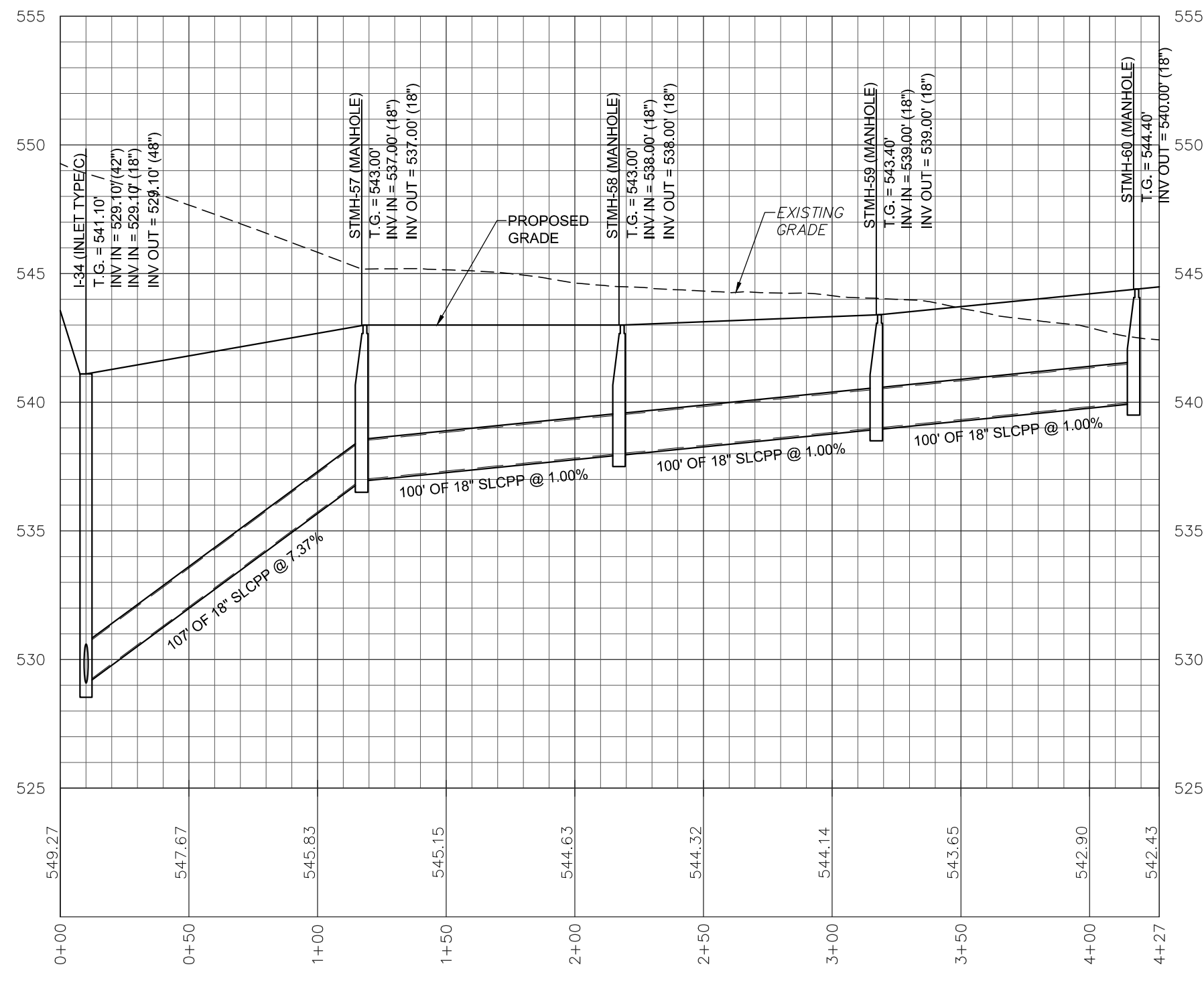


REVISION	DATE	BY

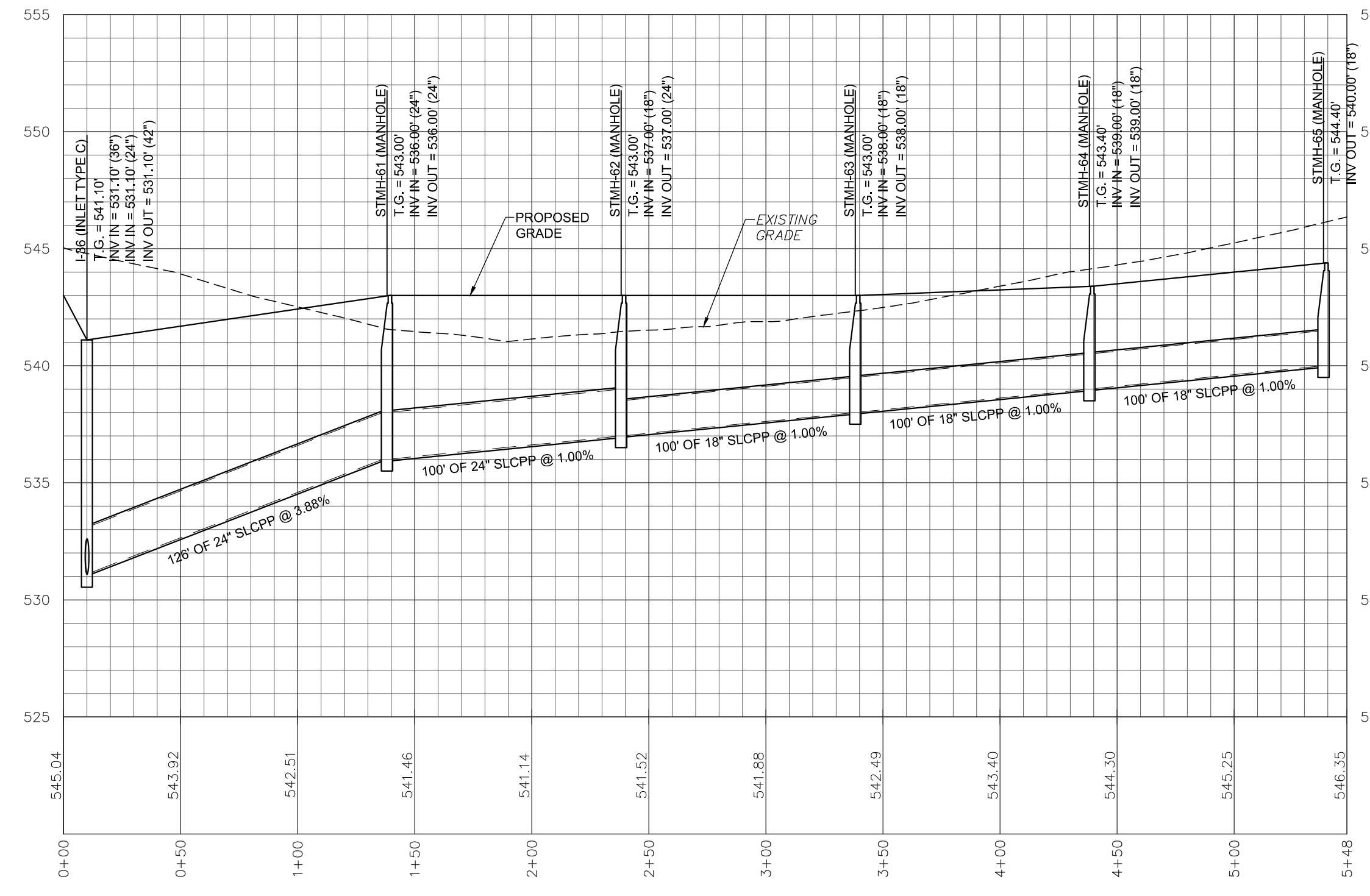
PROFILES  
 PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
 NLT WAREHOUSE AND TRAILER STORAGE  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania



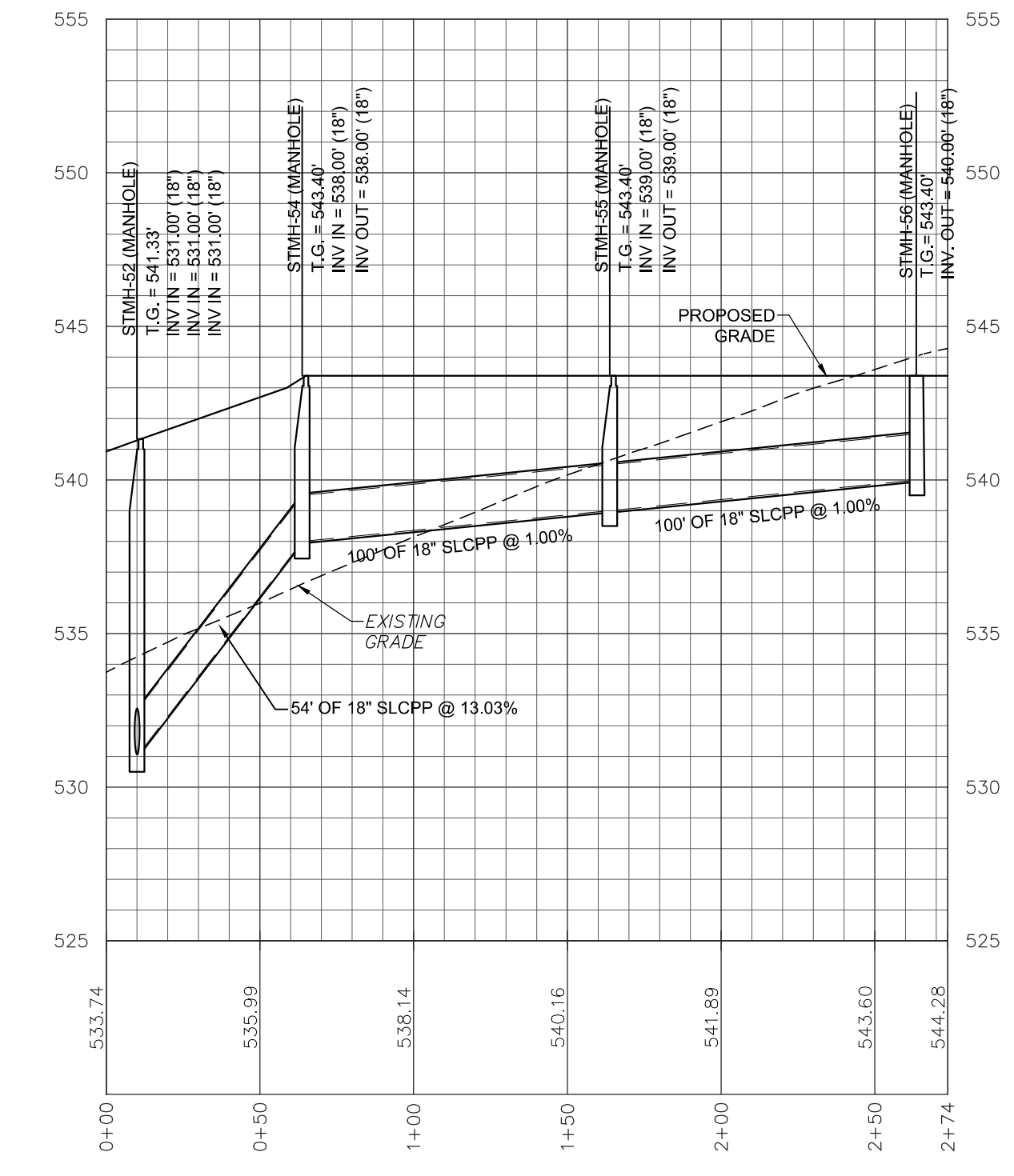
FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	#2214-22-001



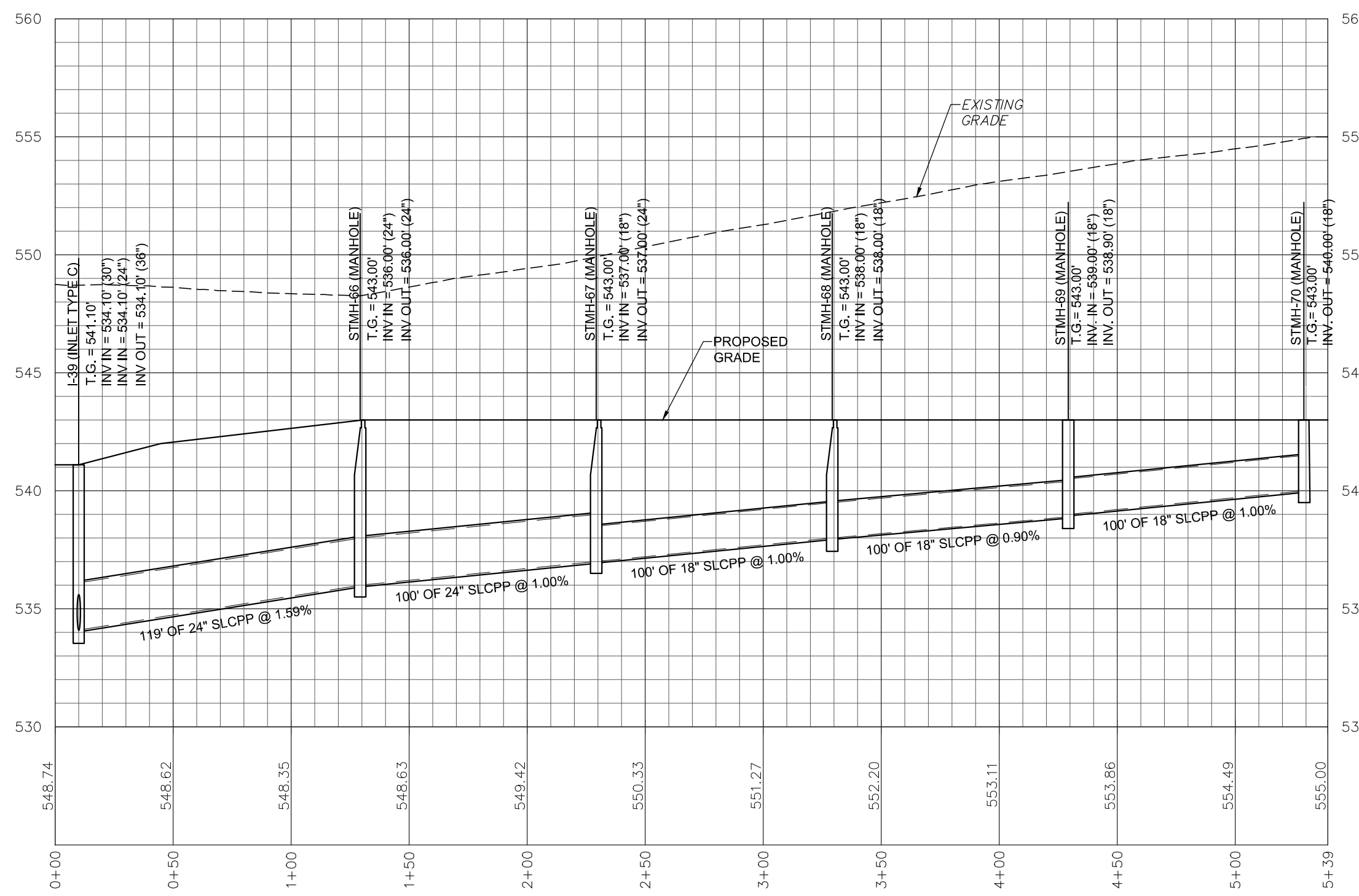
STORMWATER - I-34 TO STMH-60



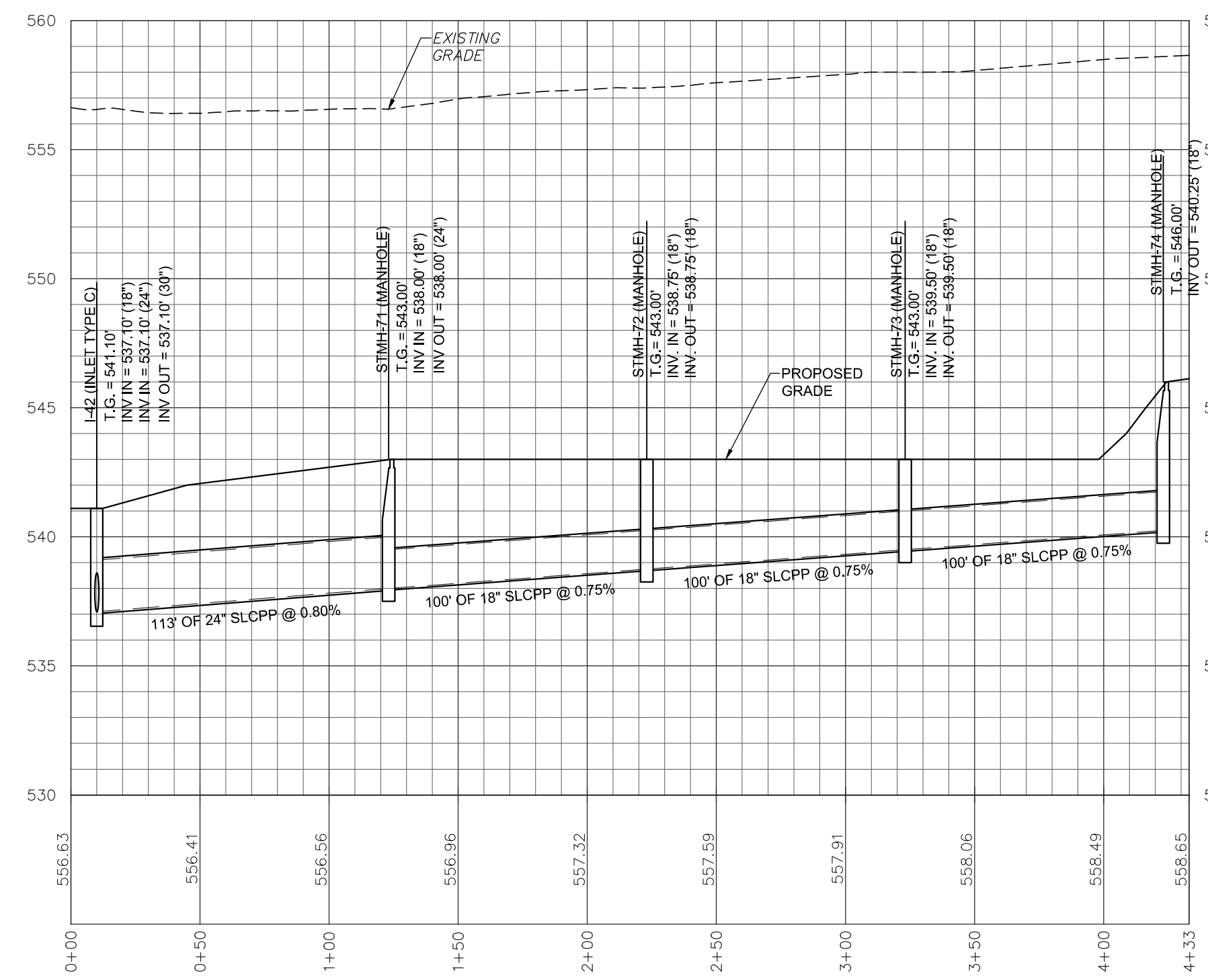
STORMWATER - I-36 TO STMH-65



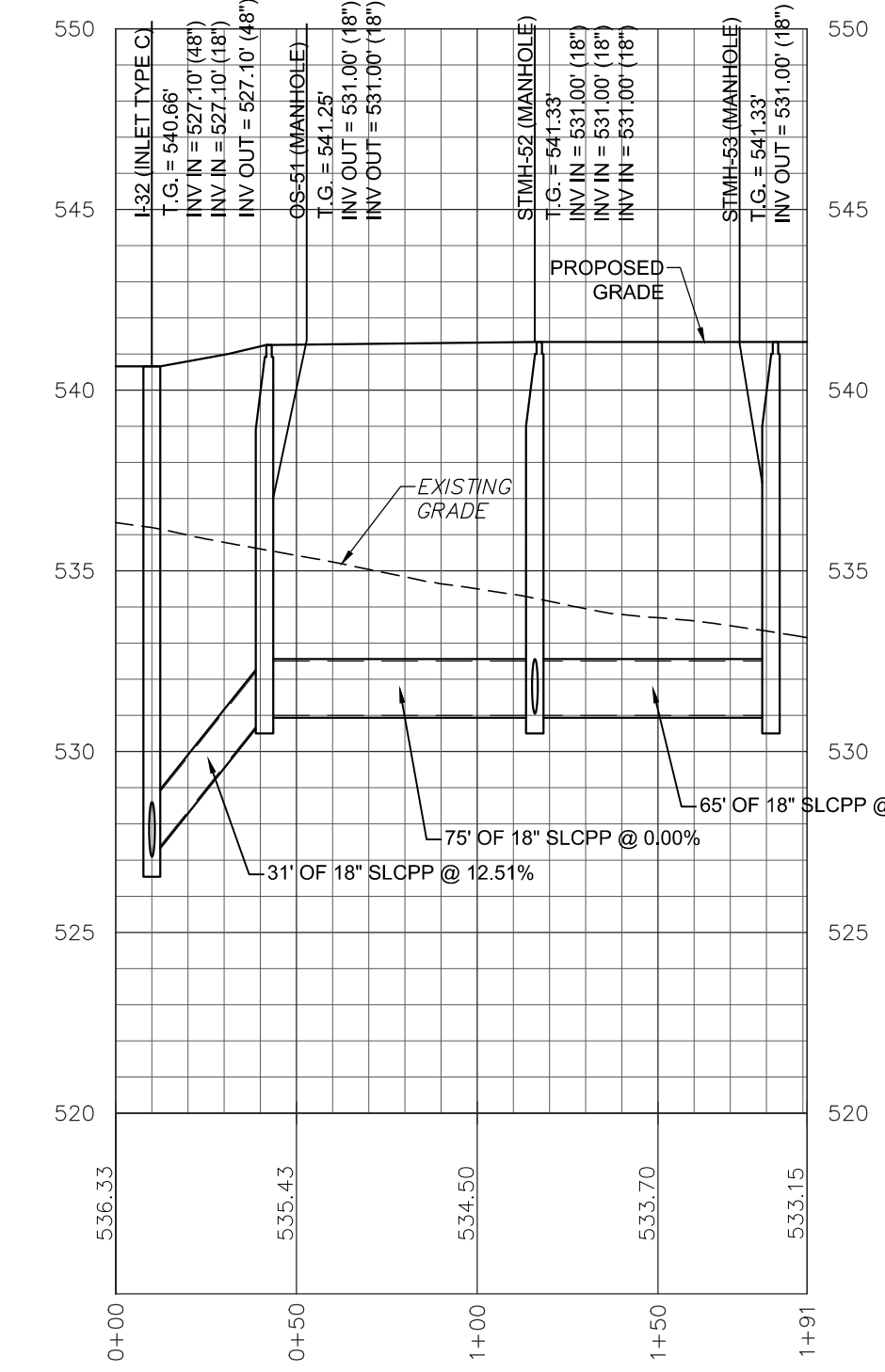
STORMWATER - STMH-52 - STMH-56



STORMWATER - I-39 TO STMH-70



STORMWATER - I-42 TO STMH-74

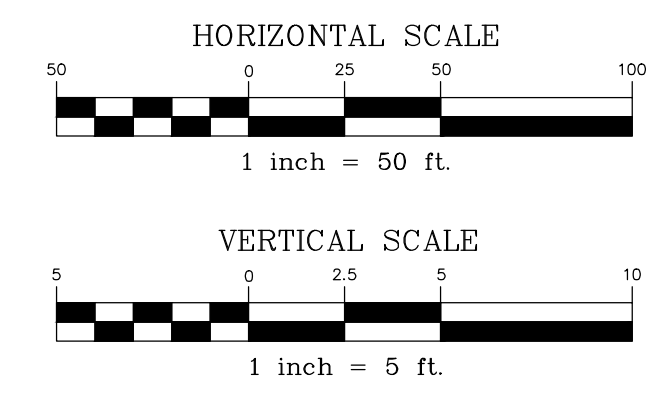


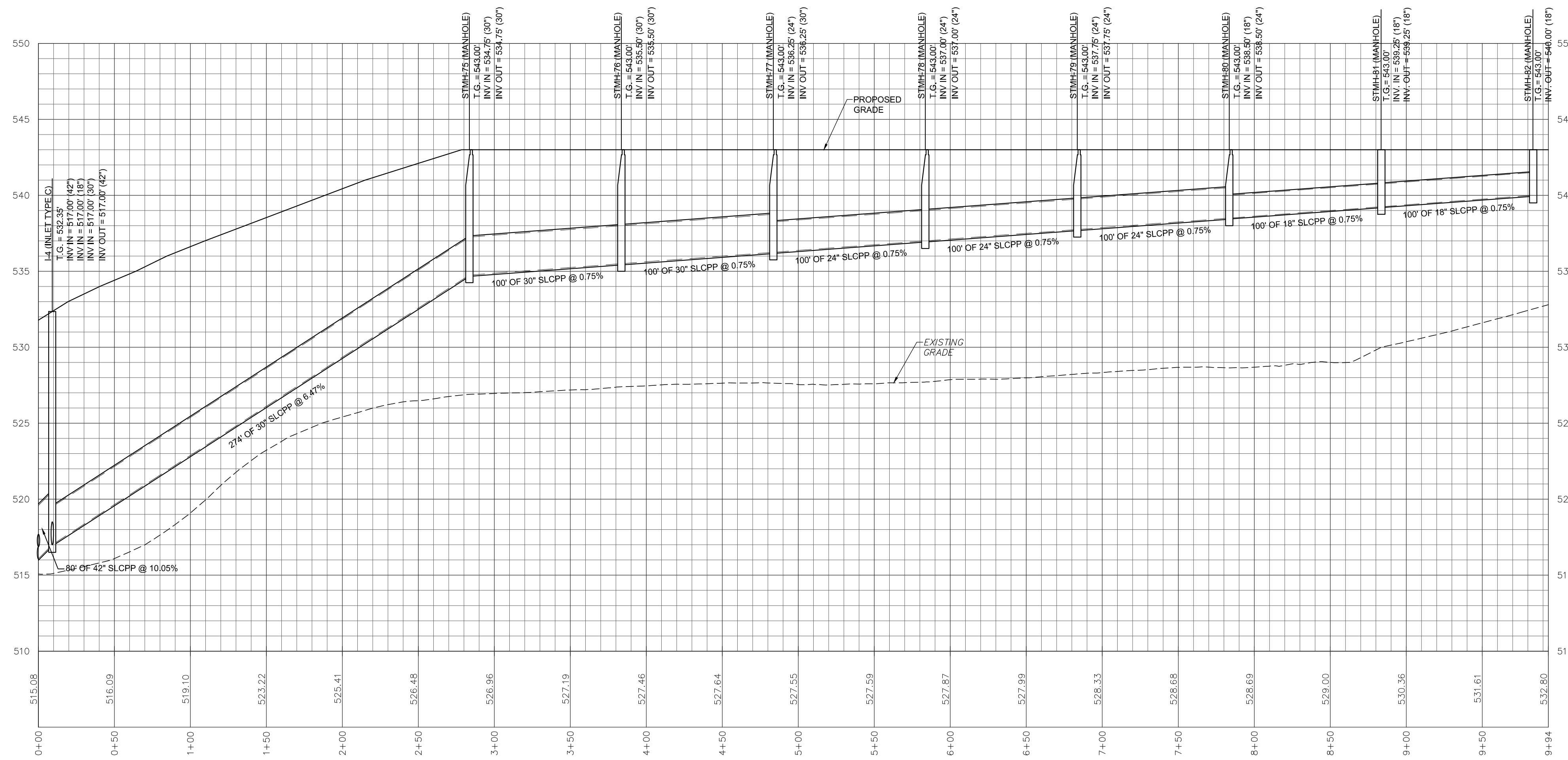
STORMWATER - I-32 TO STMH-53

REVISION	BY	DATE

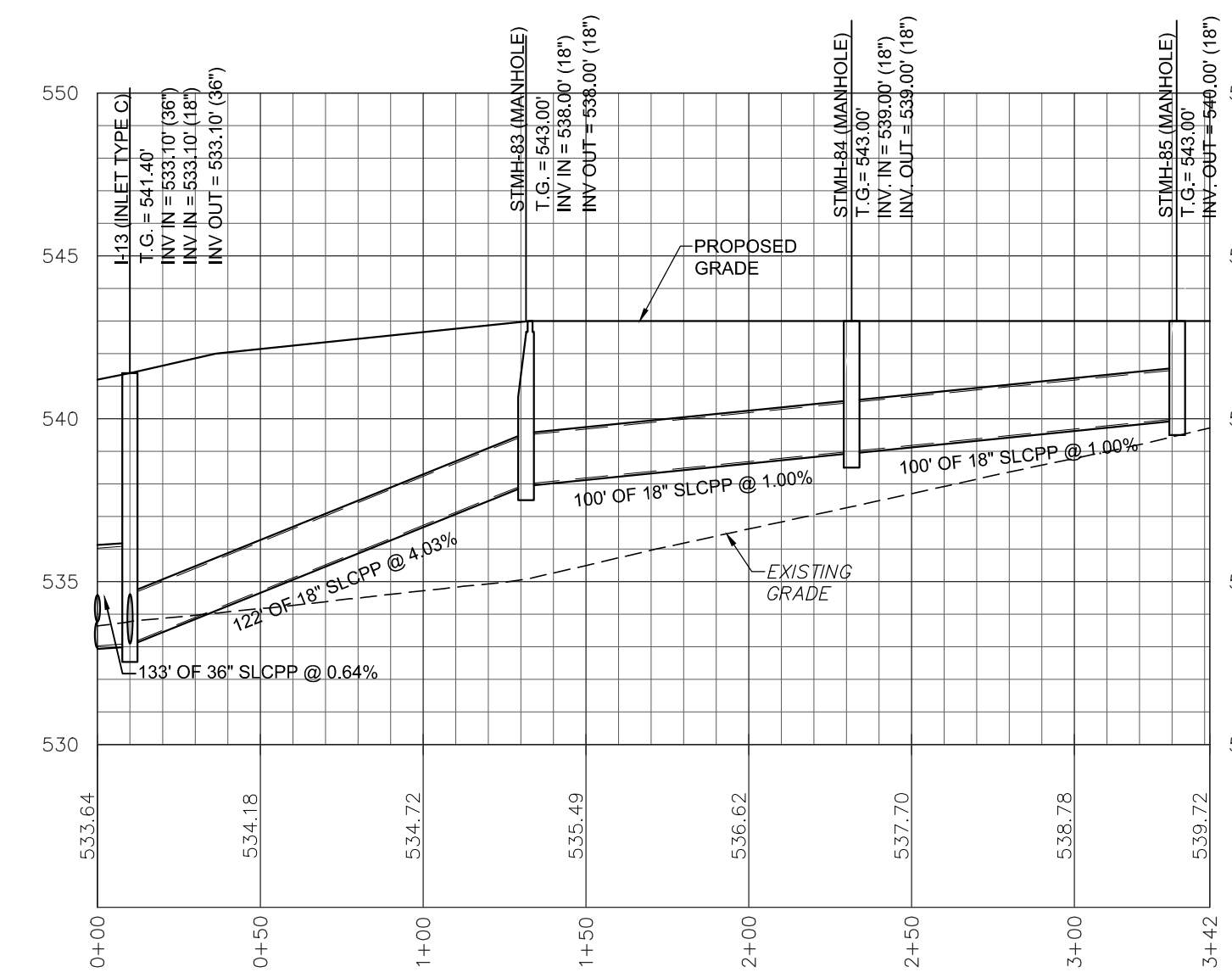
**PROFILES**  
 PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	2214-22-001

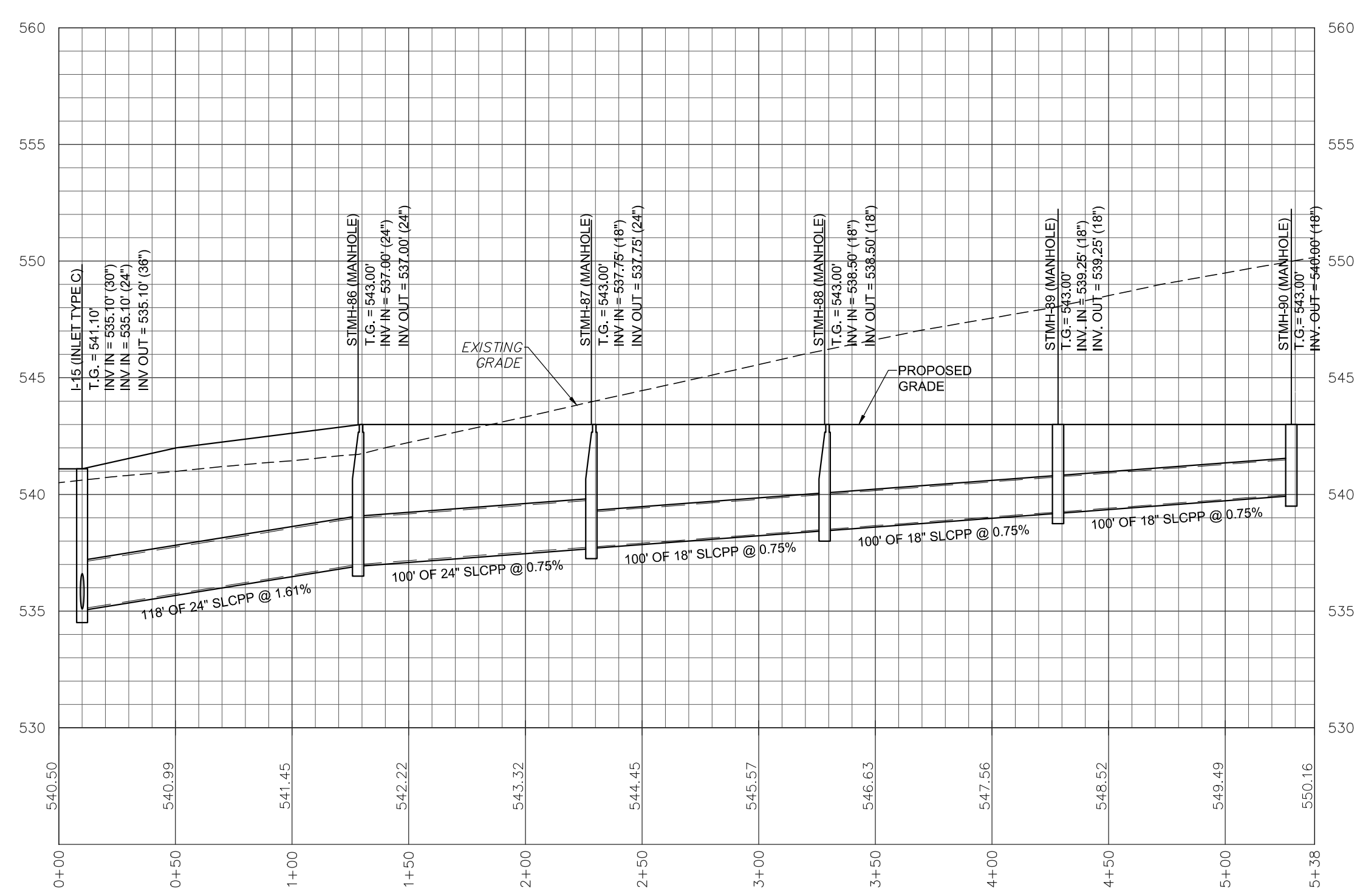




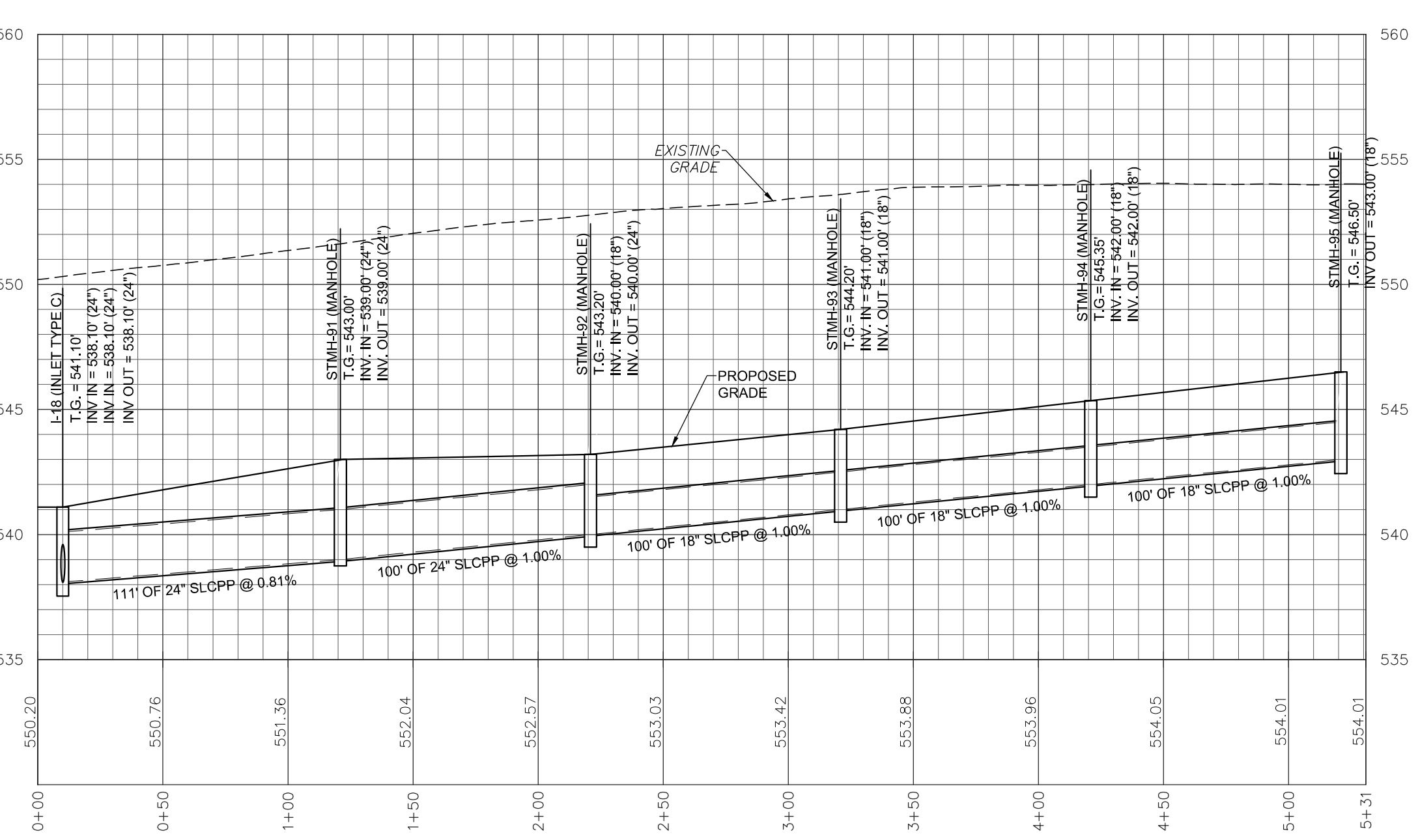
STORMWATER - I-4 TO STMH-82



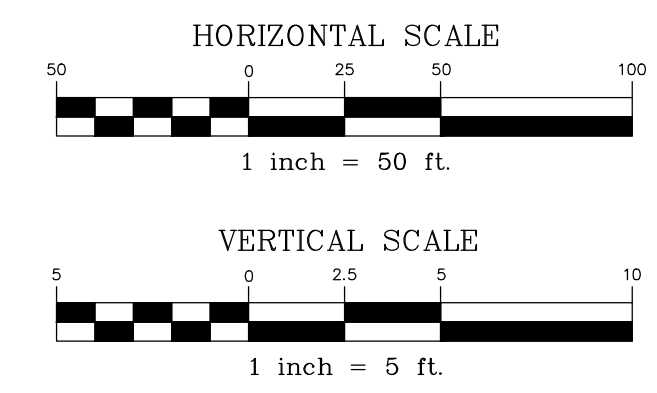
STORMWATER - I-13 TO STMH-85



STORMWATER - I-15 TO STMH-90



STORMWATER - I-18 TO STMH-90

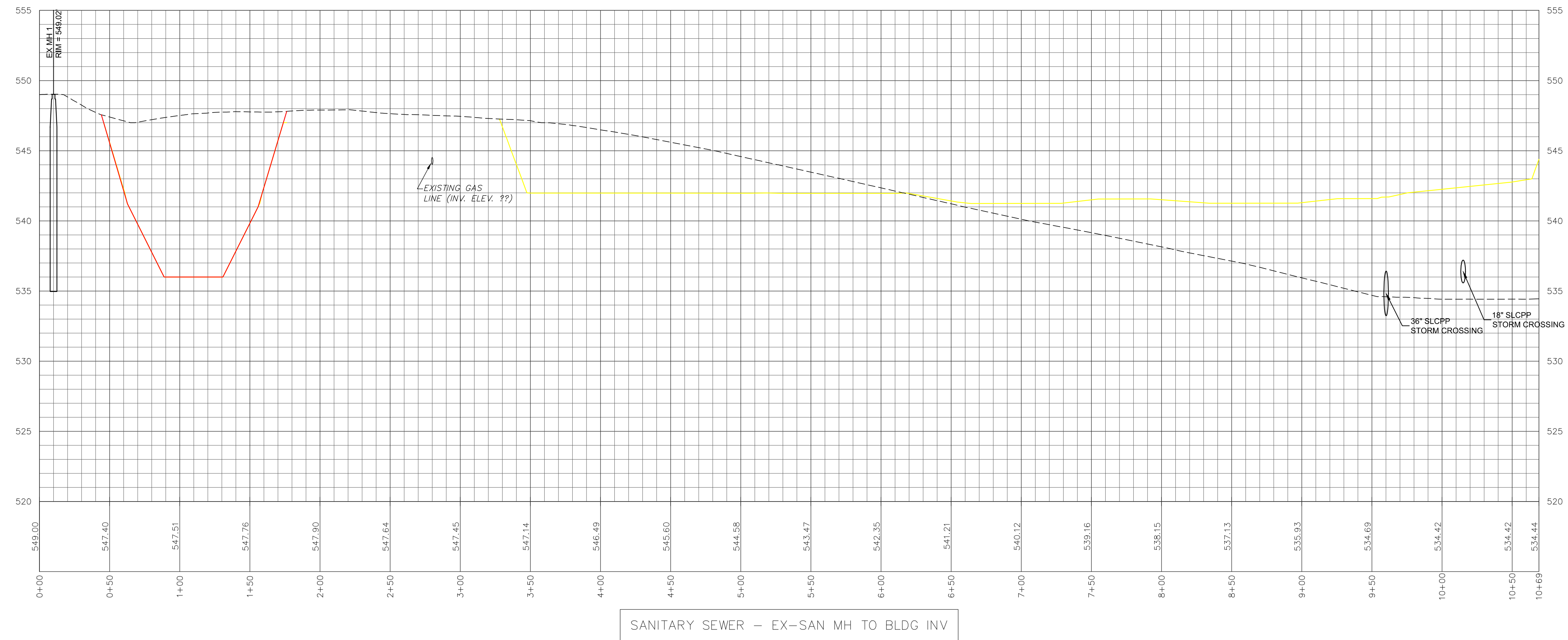


REVISION	DATE	BY
---	---	---
---	---	---
---	---	---
---	---	---

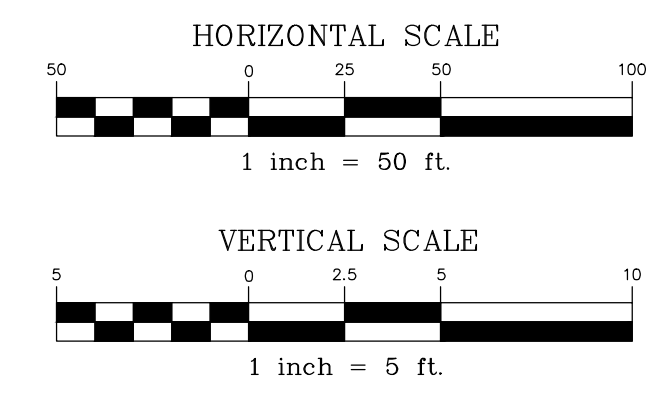
**PROFILES**  
 PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

**CS**  
 Steckbeck Engineering & Surveying, Inc.  
 279 North Lebanon, Pennsylvania 17042  
 Phone: (717) 272-7110  
 Fax: (717) 272-7348

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	#2214-22-001



SANITARY SEWER - EX-SAN MH TO BLDG INV



REVISION	DATE	BY

**PROFILES**  
 PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
 NLT WAREHOUSE AND TRAILER STORAGE  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

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

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	2214-22-001

PROVIDE MATERIALS AND CONSTRUCTION MEETING THE REQUIREMENTS OF PUBLICATION 408, SECTION 305, 409, 630, 676 AND 694.

PROVIDE EXPANSION JOINT MATERIAL 13 (3") THICK WHERE CURB RAMP ADJACENT ANY ROAD PAVEMENT, SIDEWALK OR STRUCTURE WITH THE TOP OF JOINT FILLER FLUSH WITH ADJACENT CONCRETE SURFACE.

CONSTRUCT CURB RAMP WITH A MINIMUM 1220 X 1220 (4'-0" X 4'-0") CLEAR SPACE BEYOND THE CURB FACE. WITHIN THE WIDTH OF THE CROSSWALK AND WHOLLY OUTSIDE THE PARALLEL VEHICLE TRAVEL LANE. SEAL JOINTS WITH AN APPROVED SEALING MATERIAL.

PROVIDE SLIP RESISTANT TEXTURE ON CURB RAMP BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP. EXTEND TEXTURE TO THE FULL WIDTH AND LENGTH OF THE CURB RAMP INCLUDING FLARED SIDE RAMP. MODIFY CONSTRUCTION DETAILS TO ADAPT DIMENSIONS TO EXISTING CURB HEIGHTS WHERE THE CURB IS LESS THAN THE STANDARD 200 (8") HEIGHT.

CURB RAMP AND SIDE FLARE LENGTHS ARE VARIABLE AND BASED ON CURB HEIGHT AND THE SIDEWALK SLOPE. TO AVOID CHANGING GRADE INDEFINITELY WHEN TRAVELING THE HEIGHT OF CURB, RAMP LENGTH NOT TO EXCEED 4500 (15'-0"). ADJUST RAMP SLOPE AS NEEDED TO PROVIDE ACCESS TO THE MAXIMUM EXTENT FEASIBLE.

NON-WALK AREA IS AN OBSTRUCTED OR GRASS/NON-PAVED AREA ADJACENT TO THE PEDESTRIAN ACCESS ROUTE THAT IS NOT USED BY THE PEDESTRIAN FOR ACCESS.

THE DETAILS DEPICT PEDESTRIAN PUSHBUTTON POLES TO ILLUSTRATE THE RECOMMENDED PLACEMENT OF PEDESTRIAN PUSHBUTTONS. FOR ALTERNATE PROJECTS, PROVIDE ACCESS TO EXISTING PEDESTRIAN PUSHBUTTONS TO THE MAXIMUM EXTENT FEASIBLE. INSTALL PEDESTRIAN PUSHBUTTON STUB POLES, WHERE APPLICABLE, 5P AS NOT TO CREATE PEDESTRIAN OBSTRUCTIONS.

ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE NOTED. USE CUSTOMARY UNITS IN PARENTHESES.

ALIGN DETECTABLE WARNING SURFACE TRUNCATED DOMES ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF THE RAMP AND PERPENDICULAR TO CURB.

PROVIDE DETECTABLE WARNING SURFACE (DWS) 610 (24") MINIMUM (IN THE DIRECTION OF PEDESTRIAN TRAVEL) ACROSS FULL WIDTH OF RAMP AT THE CURB BEARING BEAR STREET EDGE. PROVIDE DWS THAT CONTRAST VISUALLY WITH ADJACENT WALKWAY SURFACES. EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT FOR THE FULL WIDTH OF RAMP.

FOR NEW CONSTRUCTION, DO NOT EXCEED 2.00% CROSS SLOPE ON THE CURB RAMP OR PEDESTRIAN ACCESSIBLE ROUTE.

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 COUNTER SLOPE OF THE GUTTER 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 SLEWY DEPENDANT ON THE HEIGHT OF CURB. (FOR EXAMPLE, A 150 (6") CURB DOES NOT NECESSARILY MEAN A RAMP LENGTH OF 1830 (6'-0") FOR A 12:1 (1:12) SLOPE.

SEWELINE WIDTH MAY BE REDUCED TO 1220 (4'-0"), WHEN PASSING AREAS 1525 X 1525 (5'-0" X 5'-0") ARE PROVIDED EXIST 61 METERS (200').

THE TRAVEL LANE IS DEFINED BY THE OUTSIDE EDGE OF THE WHITE PAVEMENT MARKING LINE. IF A WHITE PAVEMENT MARKING LINE DOES NOT EXIST, THE TRAVEL LANE IS DEFINED BY THE CONTRACT DOCUMENTS.

CONSTRUCT DEPRESSED CURB FOR CURB RAMP FLUSH TO ADJACENT ROADWAY. GRADE EDGE OF ROAD ELEVATIONS AT THE FLOW LINE TO ENSURE POSITIVE DRAINAGE AND PREVENT PONDING. FOR LEVEL LANDINGS BEHIND DEPRESSED CURB, ADJUST SLOPES TO PROVIDE POSITIVE DRAINAGE.

CHEEK WALLS ARE PERMITTED WHEN ADJACENT TO NON-WALK AREAS OR ELEVATION DIFFERENCES CANNOT BE ACCOMMODATED BY FLARES OR GRADING. GRADE GRASS AREAS OR OTHER NON-WALK AREAS AT 3:1 (1:3) MAXIMUM. DO NOT INSTALL CHEEK WALLS THAT INTERSECT THE PEDESTRIAN ACCESS ROUTE.

CONSTRUCT TOP OF PLAIN CEMENT CONCRETE DEPRESSED CURB TO BE FLUSH WITH ADJACENT SURFACES (RAMPS, SIDEWALKS, FLARES).

FOR CURB RAMP THAT LEAD TO A SINGLE CROSSWALK, THE RAMP (EXCLUDING FLARES) TO BE FULLY INSIDE OF MARKED CROSSWALK LINES. SEE SHEET 7 FOR DETAILS.

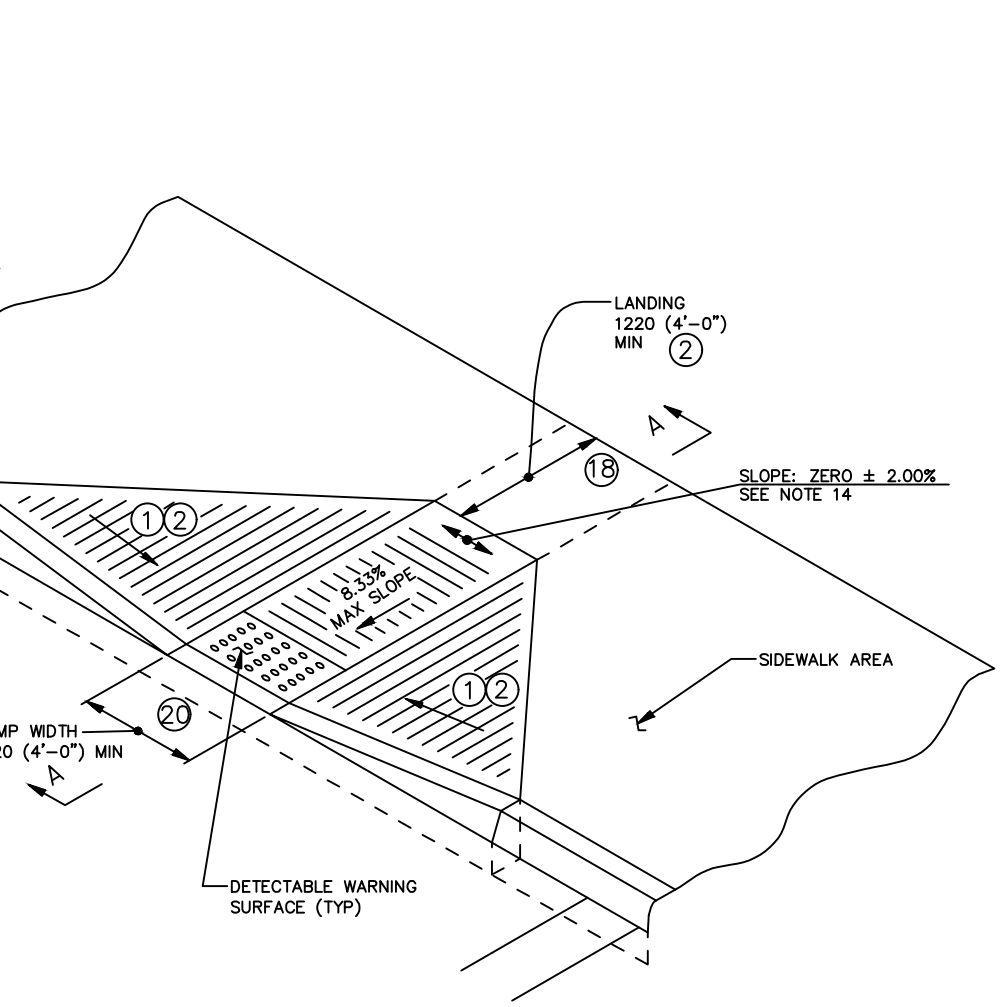
A 1220 (4'-0") MAXIMUM DIGITAL DISPLAY LEVEL WILL BE USED TO VERIFY THE SLOPES OF CURB RAMP AND SIDEWALKS.

1) SIDE FLARES 10.00% MAX SLOPE

2) IF THE LANDING IS INDICATED TO BE LESS THAN 1220 (4'-0"), CONSTRUCT SIDE FLARES 8.33% MAX SLOPE.

3) CURB RAMP REQUIRE A 1220 (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIAN TURNING MANEUVERS. SEE DETAILS FOR LOCATIONS AND DIMENSIONS.

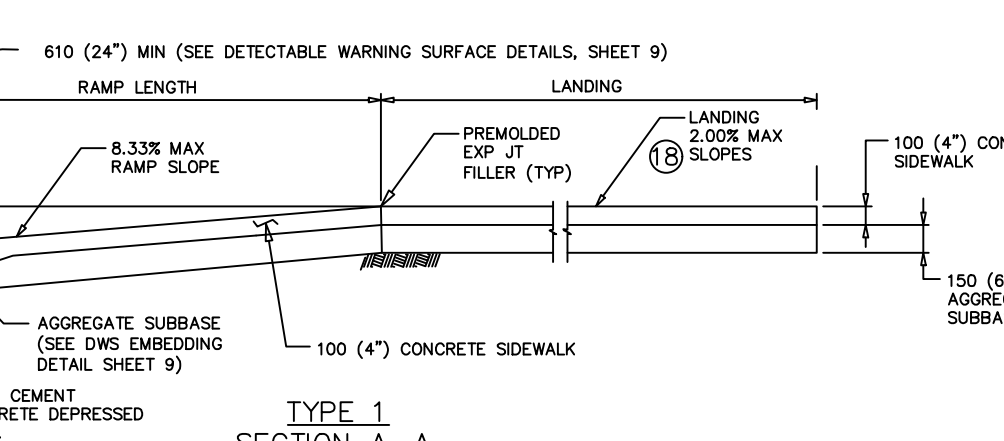
4) CONSTRUCT DEPRESSED CURB SLOPE TO MATCH ROADWAY PROFILE AND HAVE A FLUSH CONNECTION. DO NOT EXCEED 3.00% PER 305 (1'-0") CROSS SLOPE RATE OF CHANGE WHEN TRANSITIONING FROM LEVEL LANDING TO ROADWAY PROFILE. A TECHNICALLY INFEASIBLE FORM IS REQUIRED WHEN RAMP CROSS SLOPE EXCEEDS 2.00%.



TYPE 1 CURB RAMP

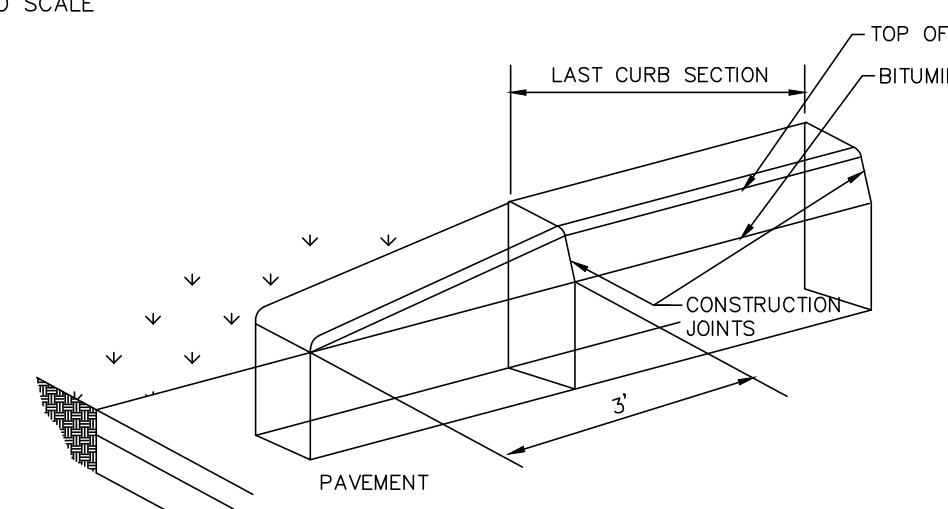
PERCENT SLOPE	EQUIVALENT SLOPE
10.00%	10:1 (1:10)
8.33%	12:1 (1:12)
7.14%	14:1 (1:14)
5.00%	20:1 (1:20)
2.00%	50:1 (1:50)
1.00%	100:1 (1:100)

EQUIVALENT SLOPES



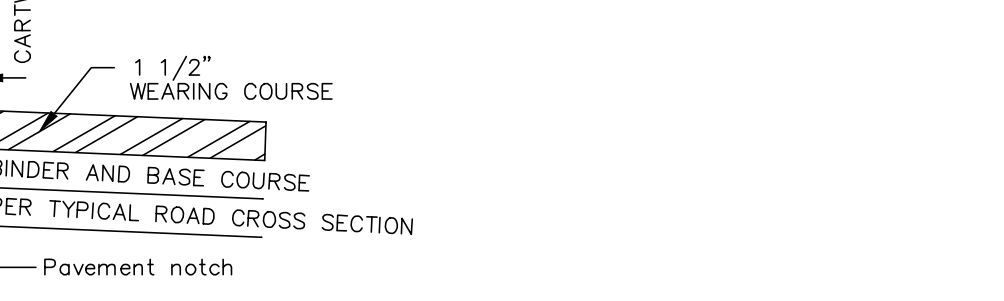
TYPE 1 SECTION A-A

TYPE 1 CURB RAMP DETAIL (PENNDOT RC-67M)

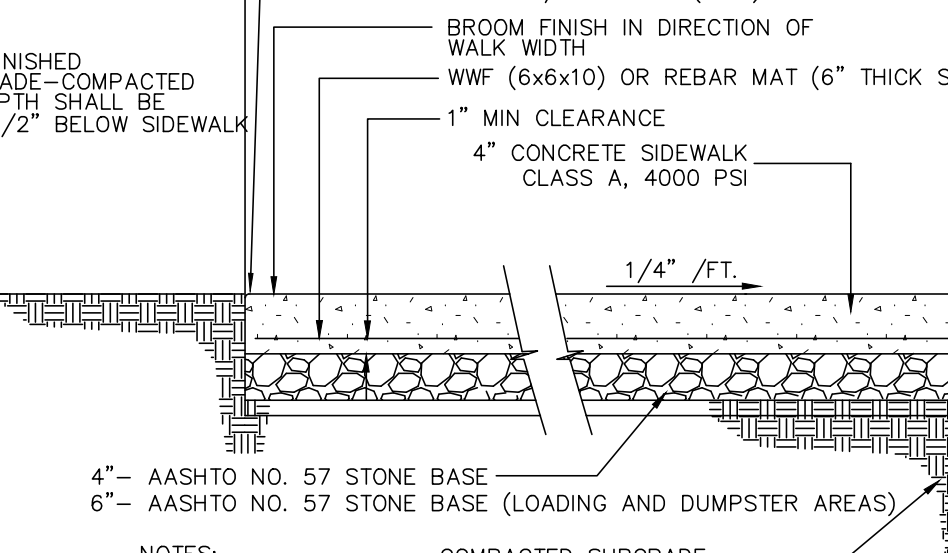


CURB TERMINAL END SECTION DETAIL

SAW CUT CLEAN, STRAIGHT EDGE IN EXISTING PAVING A MINIMUM OF 1.5" DEEP. PAVE NEW BITUMINOUS AGAINST EDGE TO FORM A SMOOTH, FLUSH JOINT. SEAL OVER JOINT WITH PG 645-22 ASPHALTIC EMULSION A MINIMUM OF 6" ON EACH SIDE OF JOINT.

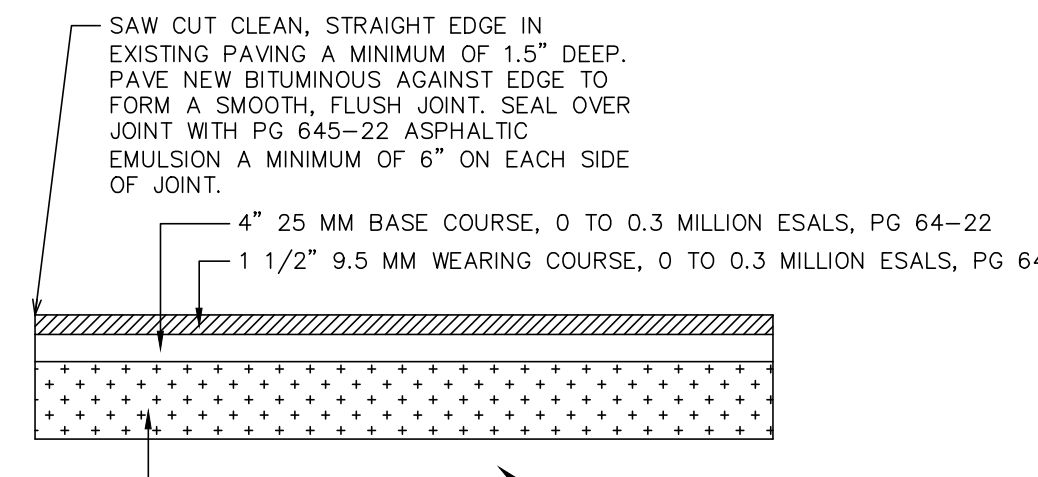


PAVEMENT NOTCH DETAIL

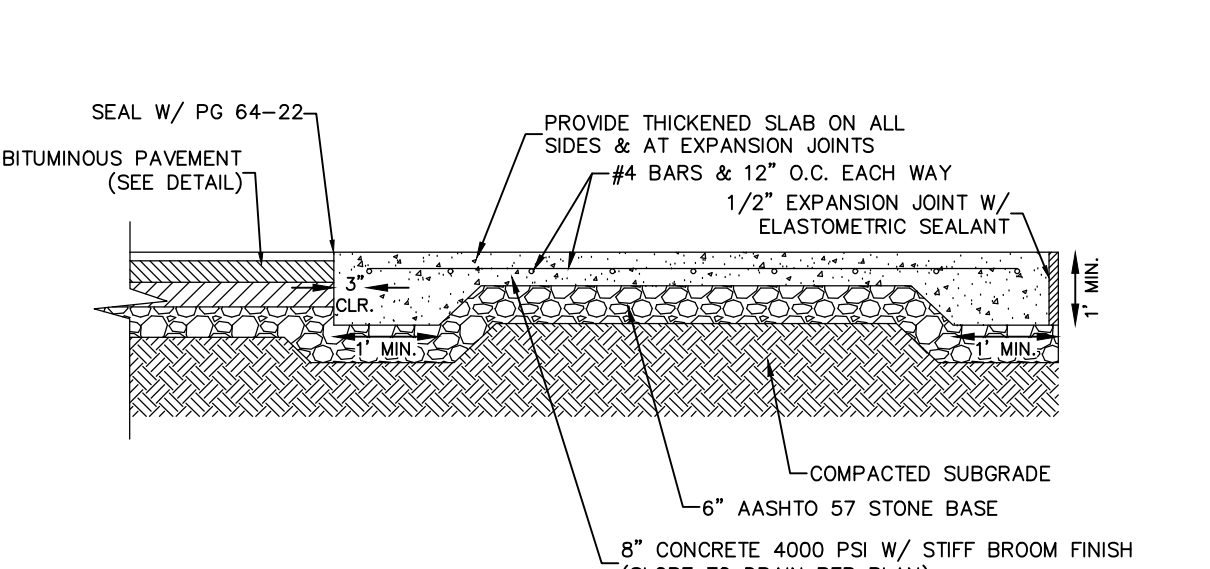


NOTES:  
 1. EXPANSION JOINTS LOCATED AT 20' O.C. MAXIMUM.  
 2. CONTRACTION JOINTS LOCATED MAXIMUM 5' O.C. MIN 1" DEEP.  
 3. SIDEWALK IS TO BE STIFF BROOM FINISHED IN THE DIRECTION OF SIDEWALK WIDTH.  
 4. WIDTH PER PLAN.  
 5. 6" THICK CONCRETE SHALL BE REINFORCED WITH A 16"x16" GRID OF #3 REBAR.

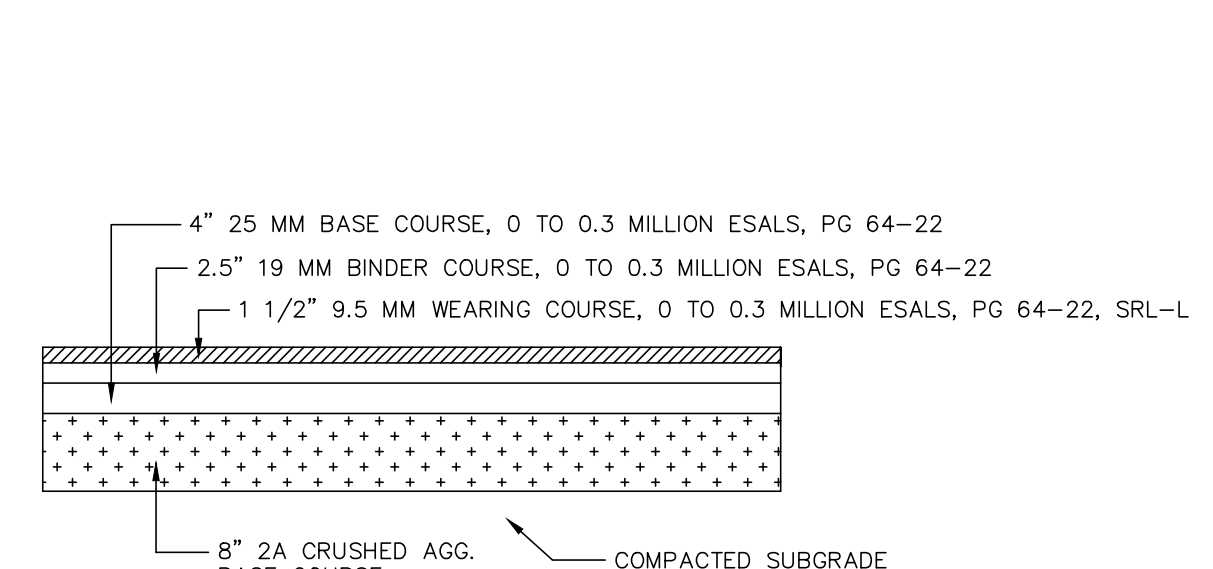
CONCRETE SIDEWALK DETAIL



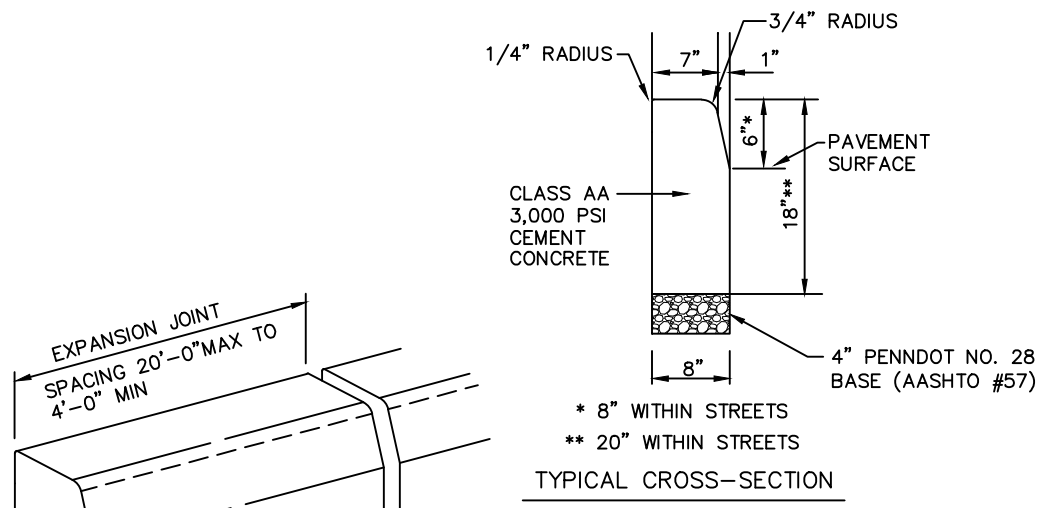
BITUMINOUS PAVEMENT CROSS SECTION (EMPLOYEE PARKING LOT ONLY)



CONCRETE DUMPSTER PAD/ LOADING AREA DETAIL

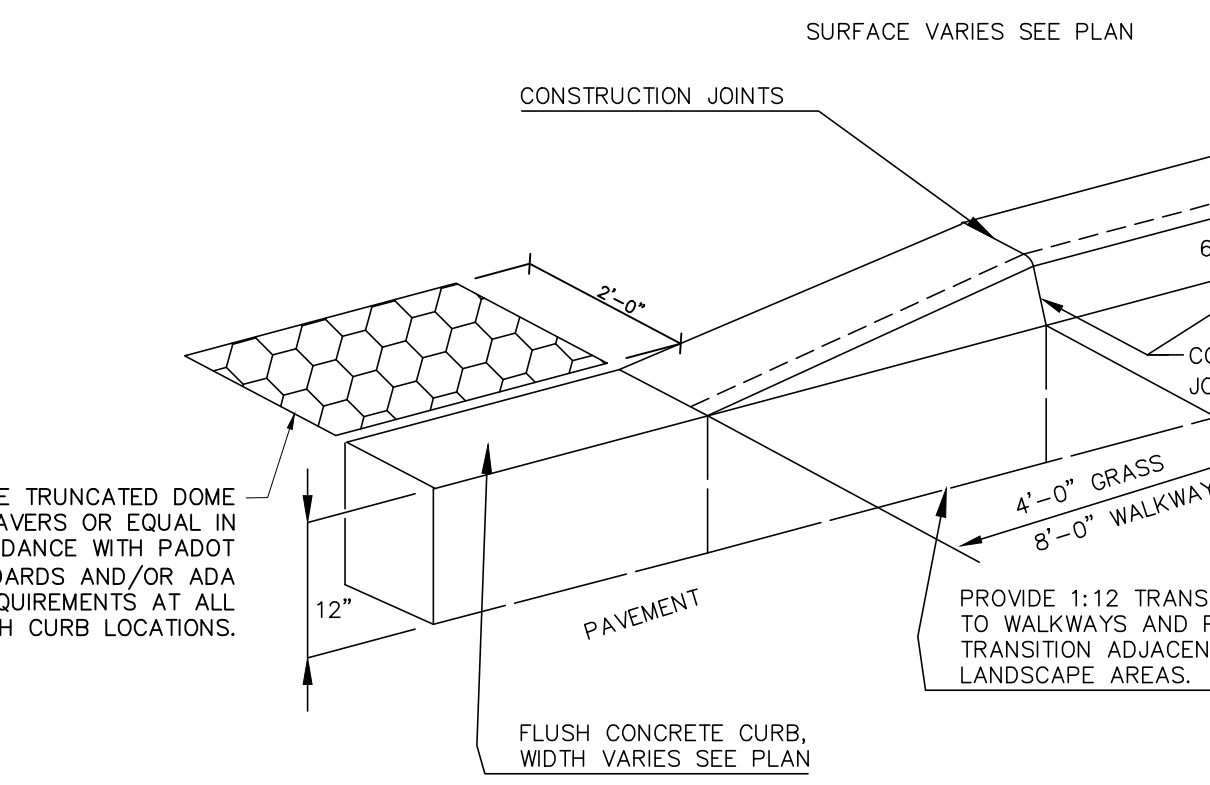


HEAVY DUTY PAVEMENT CROSS SECTION

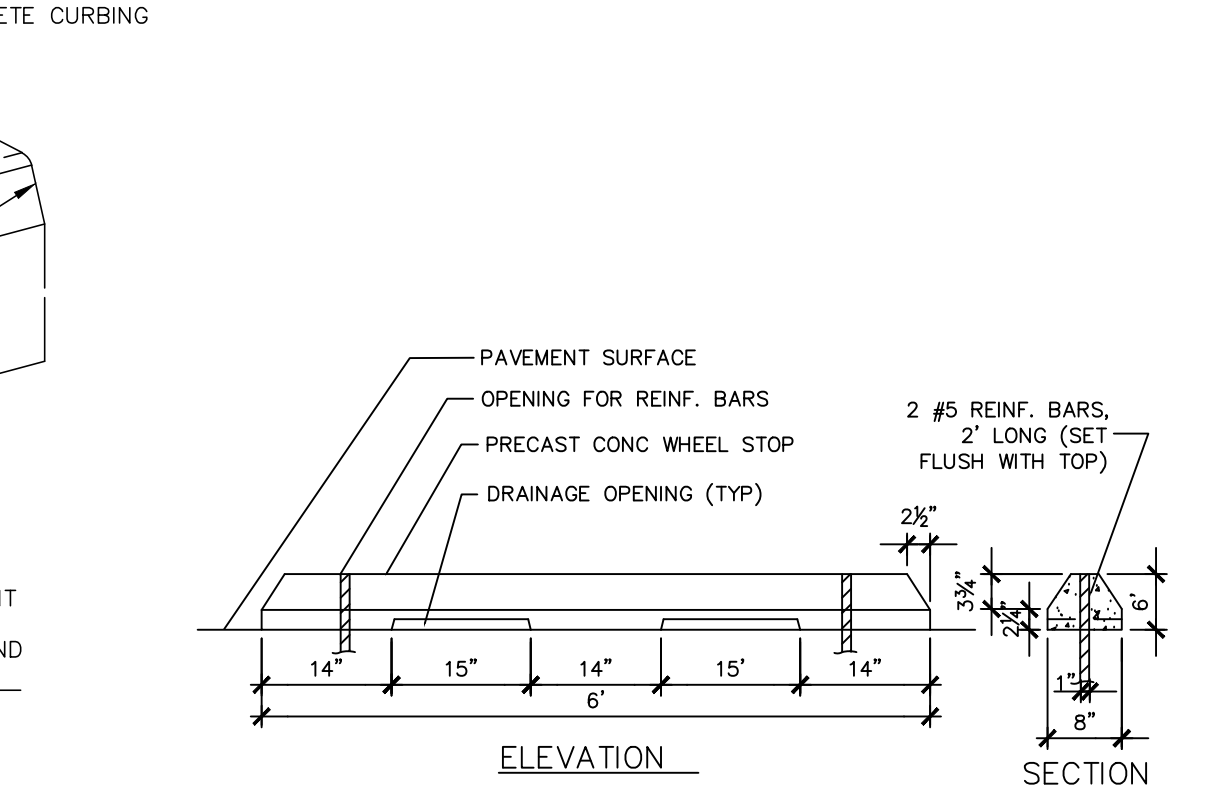


PLAIN CEMENT CONCRETE CURB

NOTES:  
 1. MATERIALS AND CONSTRUCTION SHALL MEET THE REQUIREMENTS OF PUBLICATION 408, SECTION 630, FOR PLAIN CEMENT CONCRETE CURB AND DEPRESSED CURB, SECTION 640 FOR PLAIN CEMENT CONCRETE CURB AND FOR PLAIN CEMENT CONCRETE CURB GUTTER.  
 2. SPACE EXPANSION JOINTS IN UNIFORM LENGTHS OR SECTIONS.  
 3. PLACE 3/4-INCH PREMOULDED EXPANSION JOINT FILLER MATERIAL AT STRUCTURES AND AT THE END OF THE WORK DAY. CUT MATERIAL TO CONFORM TO AREA ADJACENT TO CURB OR TO CONFORM TO CROSS SECTIONAL AREA OF CURB.  
 4. SEE RC-50 FOR PLAIN CEMENT CONCRETE CURB SLOPED TOP TREATMENT AT END OF STRUCTURES.  
 5. SEAL ALL EDGES ALONG PAVEMENT WITH PG 645-22.



FLUSH CURB DETAIL



TYPICAL WHEEL STOP DETAIL

CONCRETE SIDEWALK DETAIL

NO SCALE

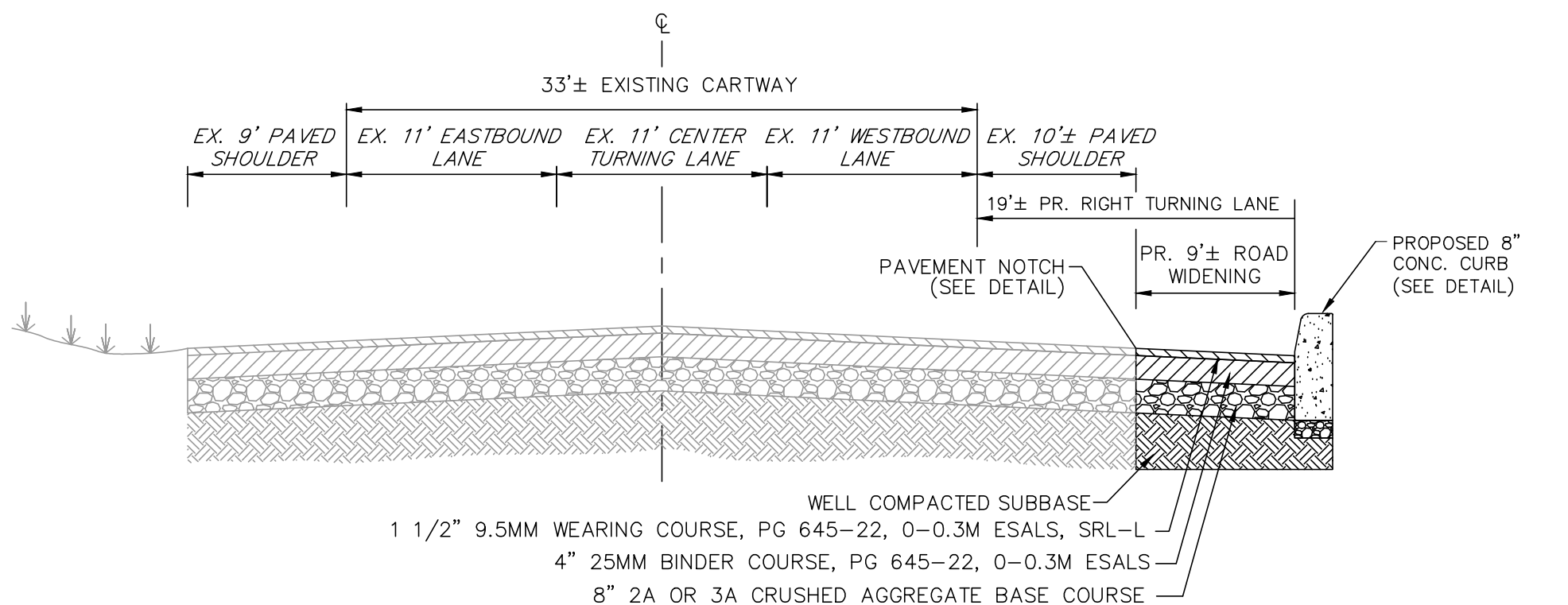
DATE	BY

REVISION	DATE	BY

SITE DETAILS  
 PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
 NLT WAREHOUSE AND TRAILER STORAGE  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

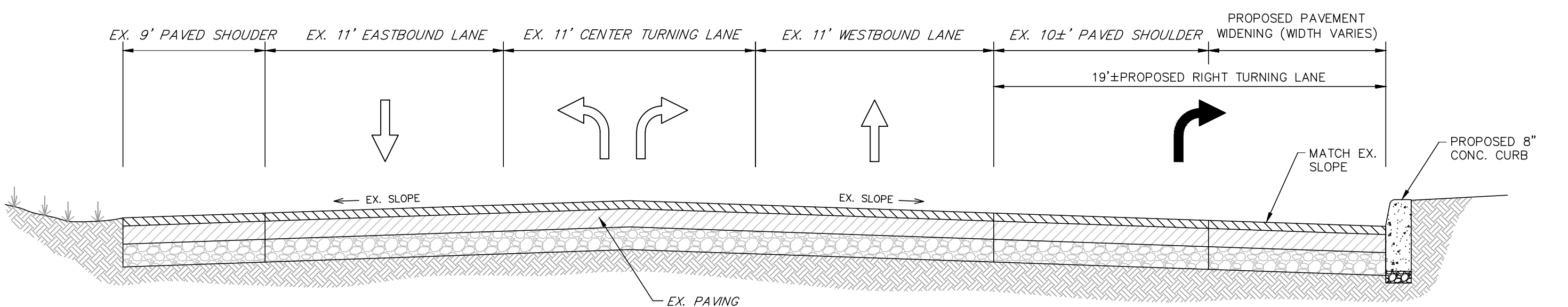
Steadbeck Engineering & Surveying, Inc.  
 279 Lebanon, Pennsylvania 17042  
 Phone: (717) 272-7110  
 Fax: (717) 272-7348

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=150'
PROJECT #	#2214-22-001



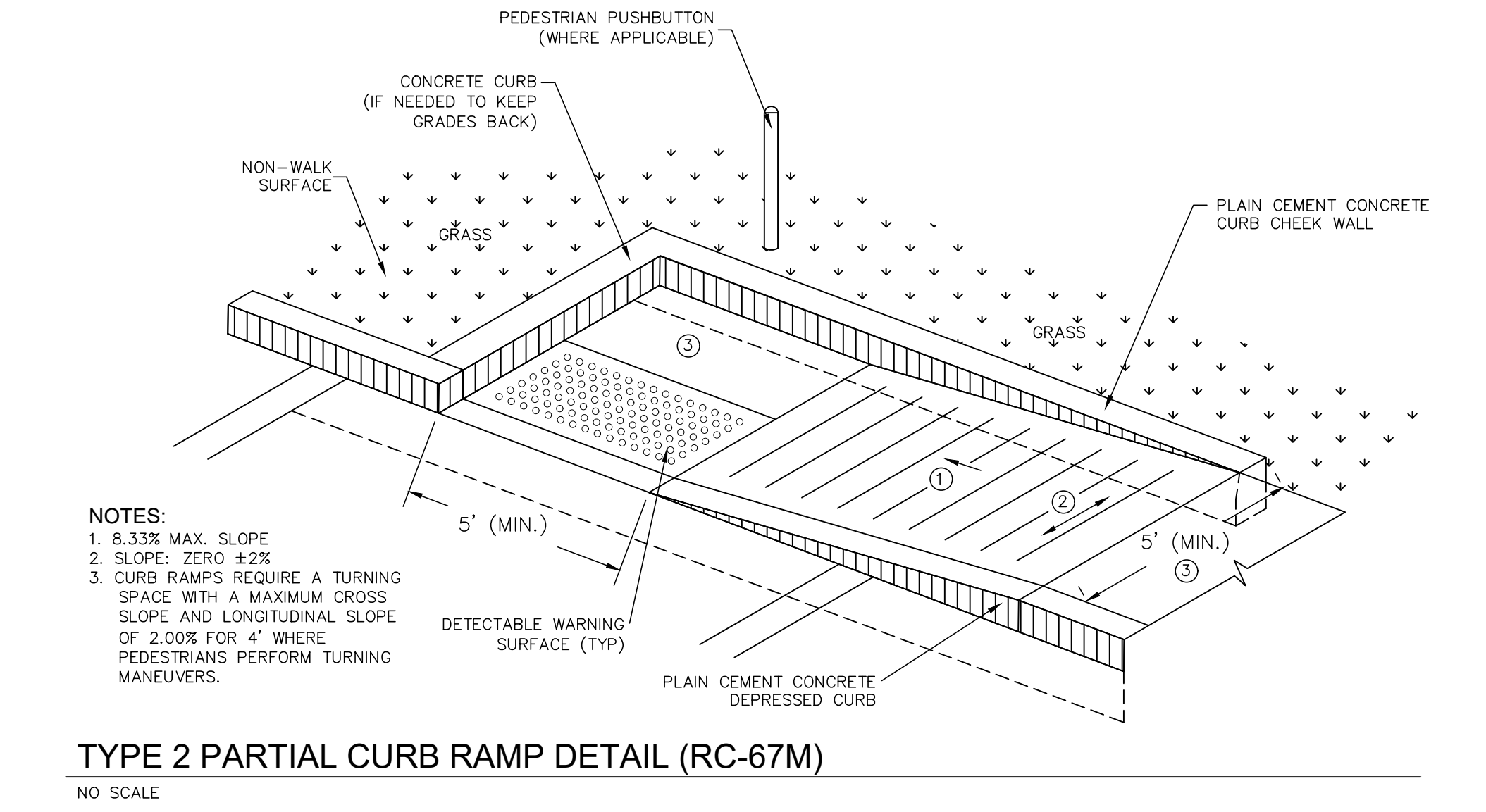
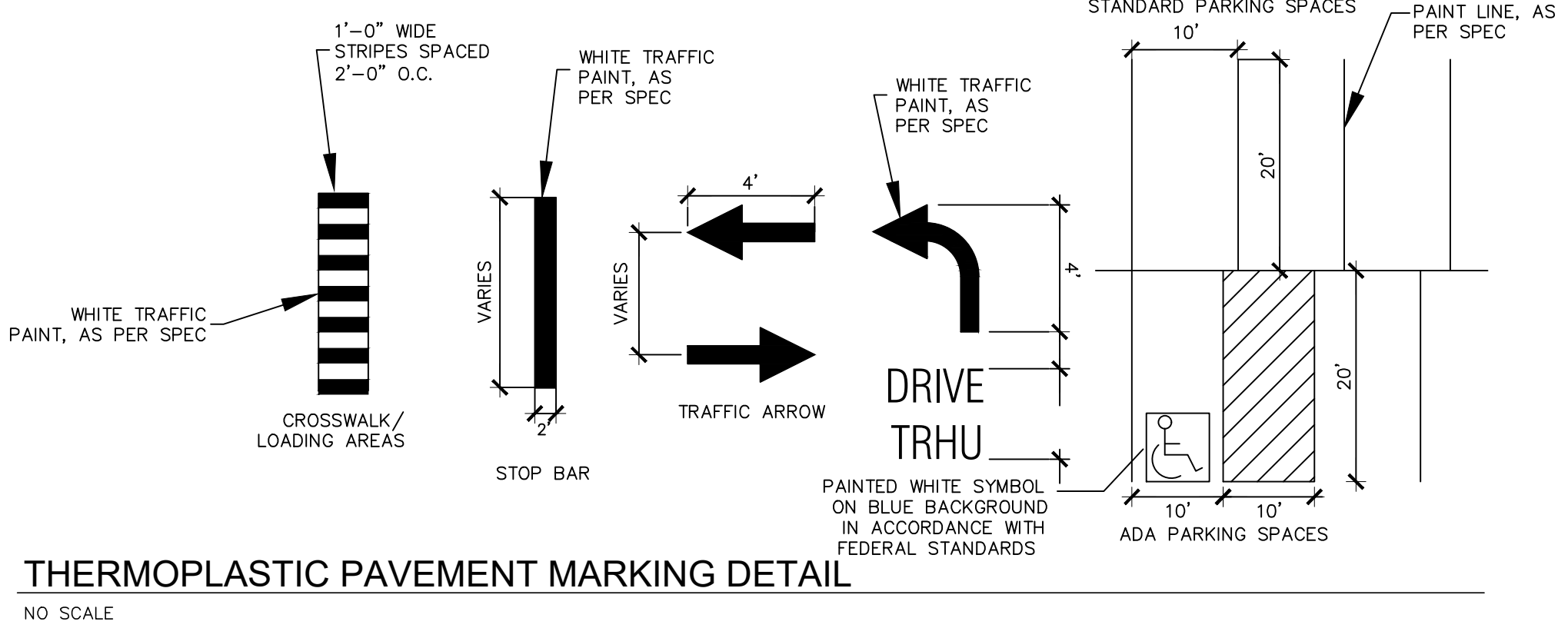
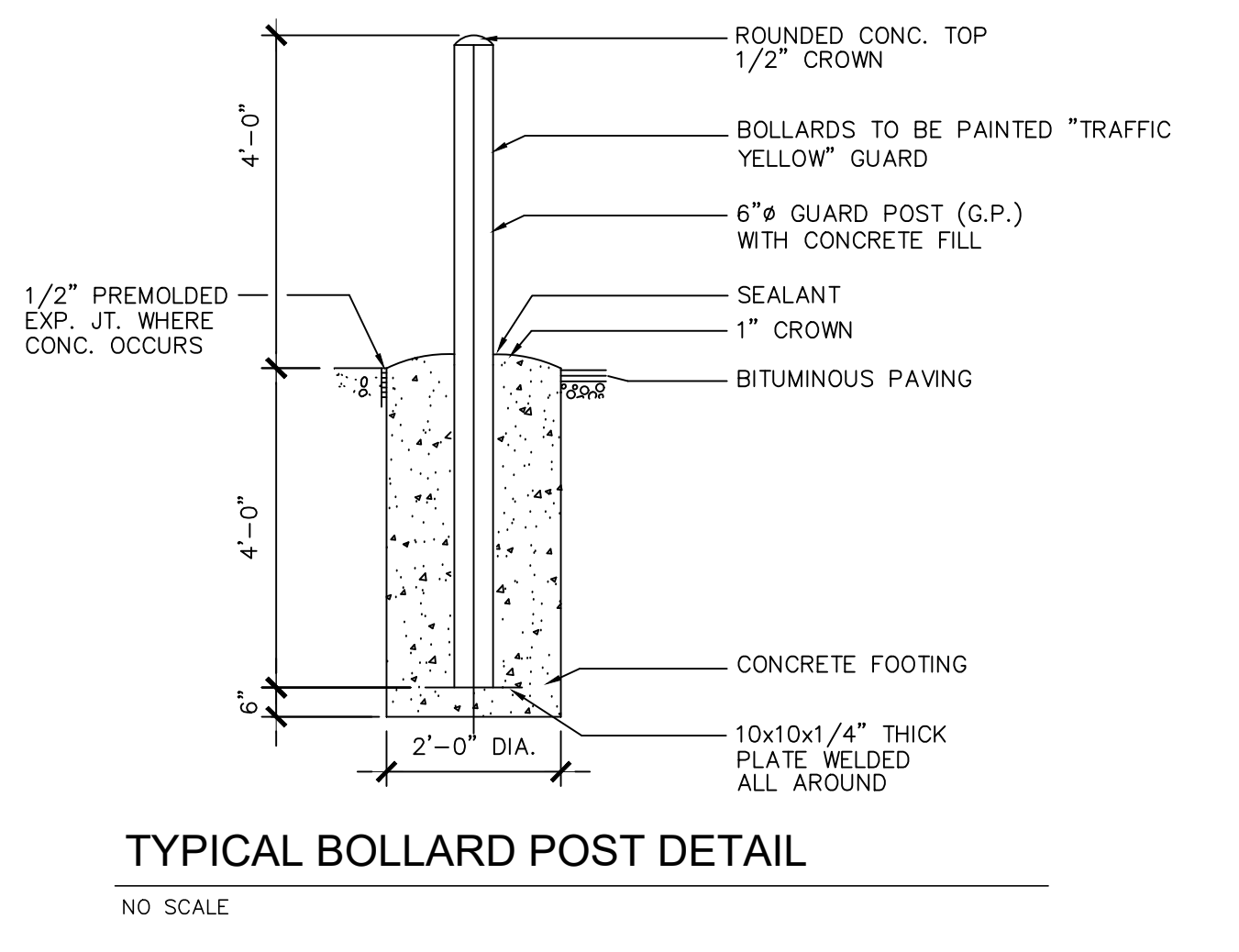
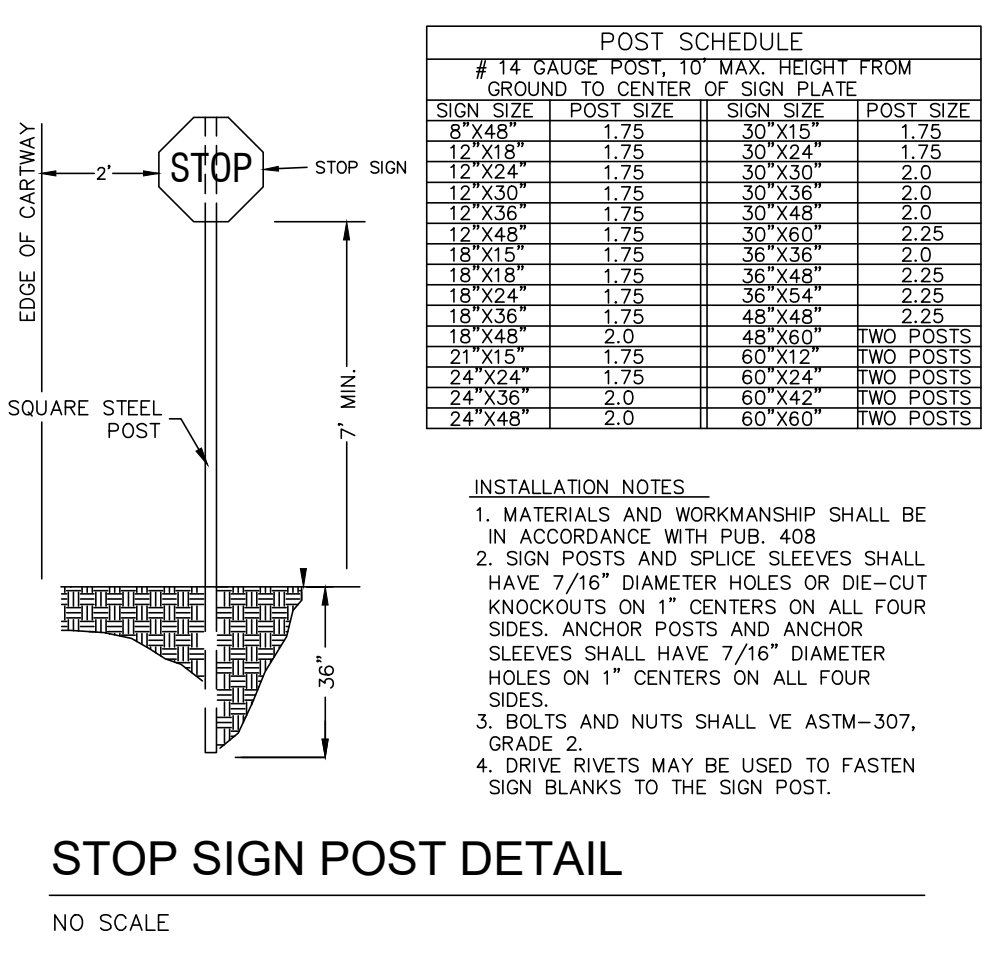
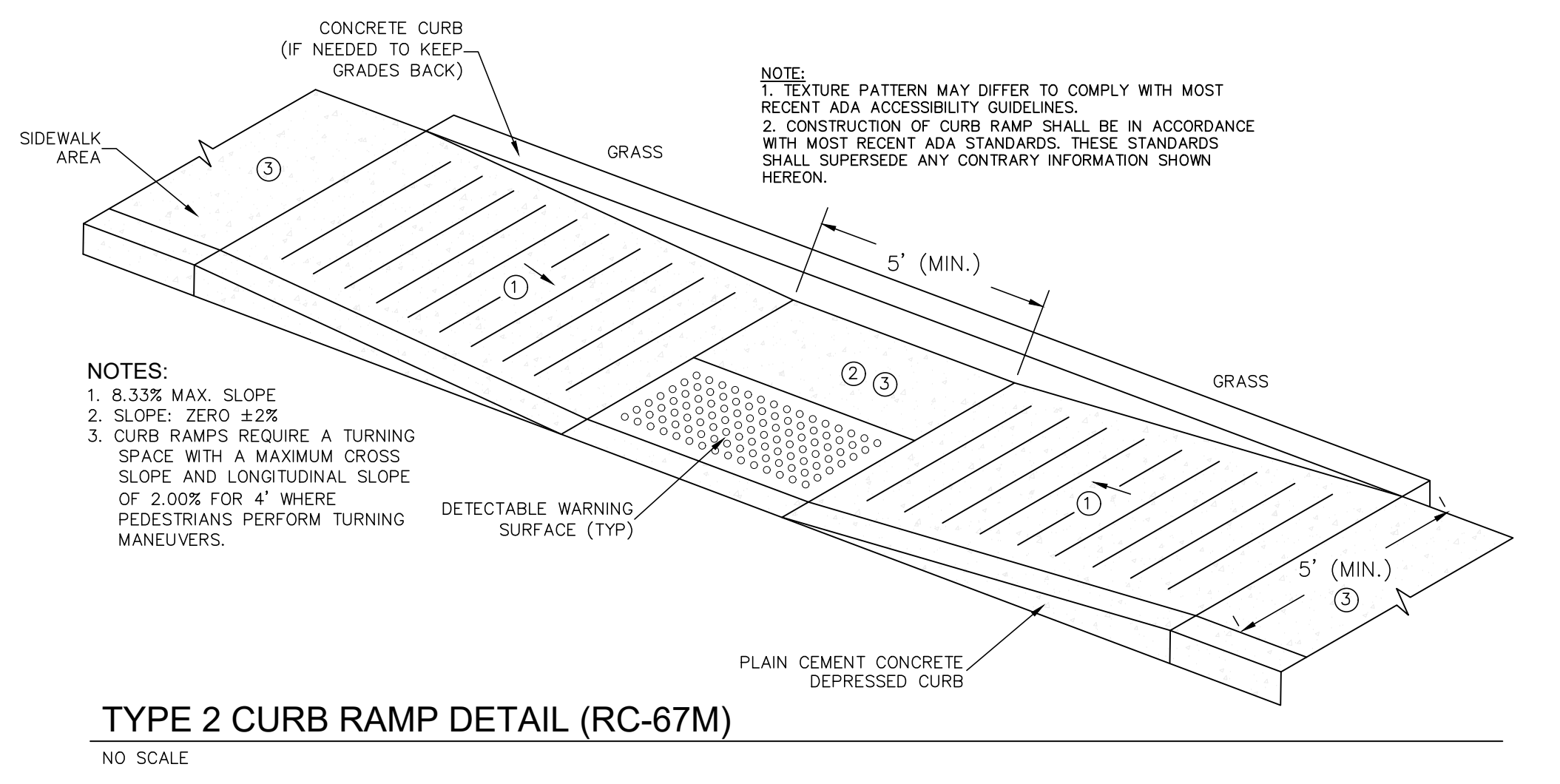
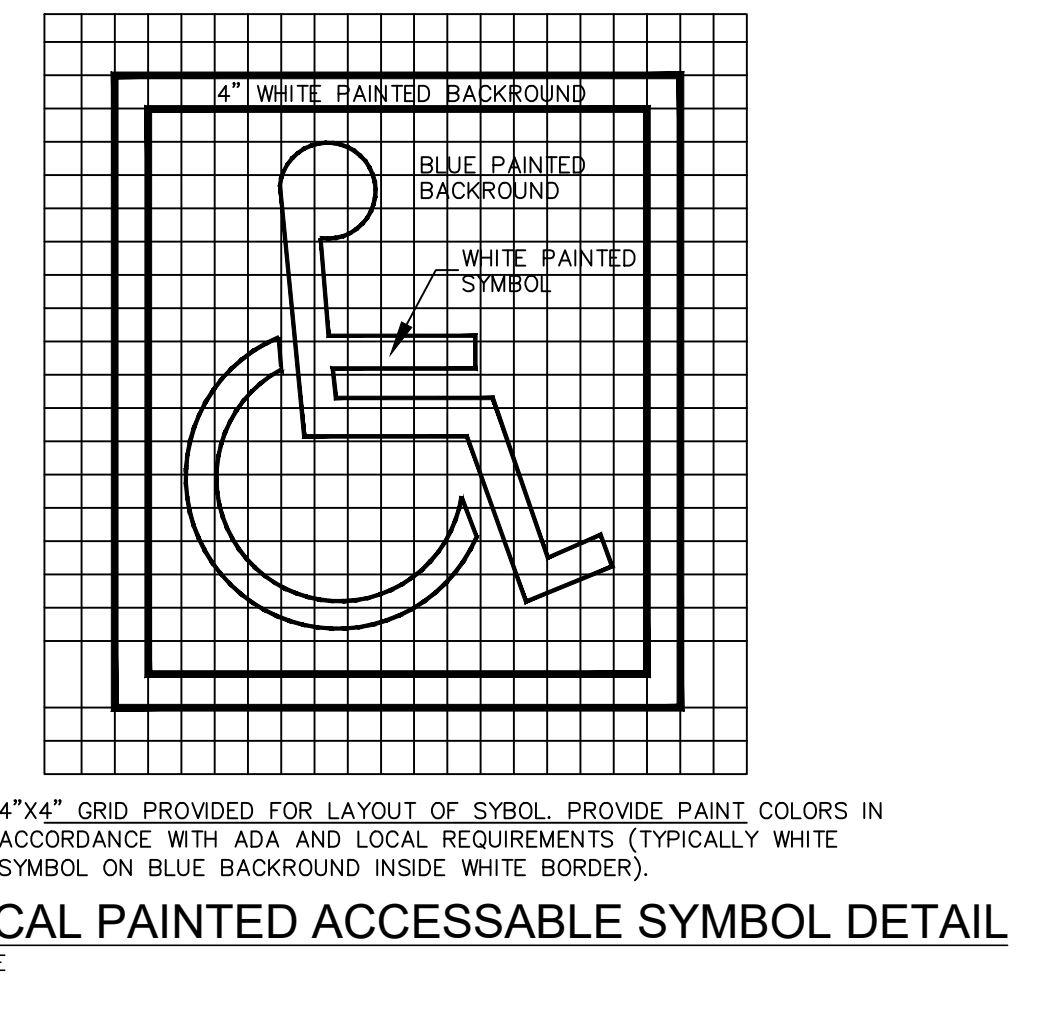
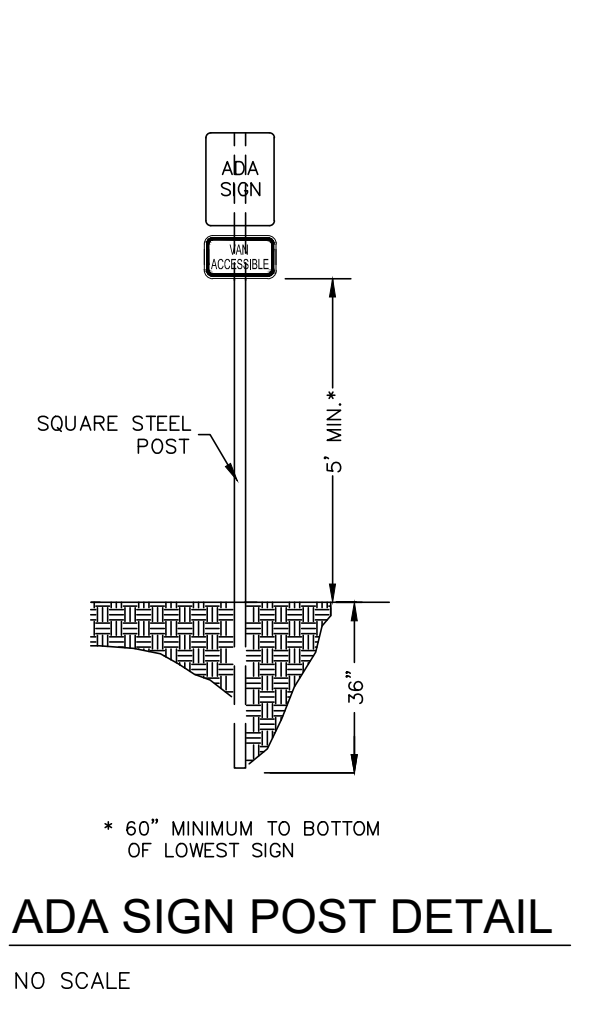
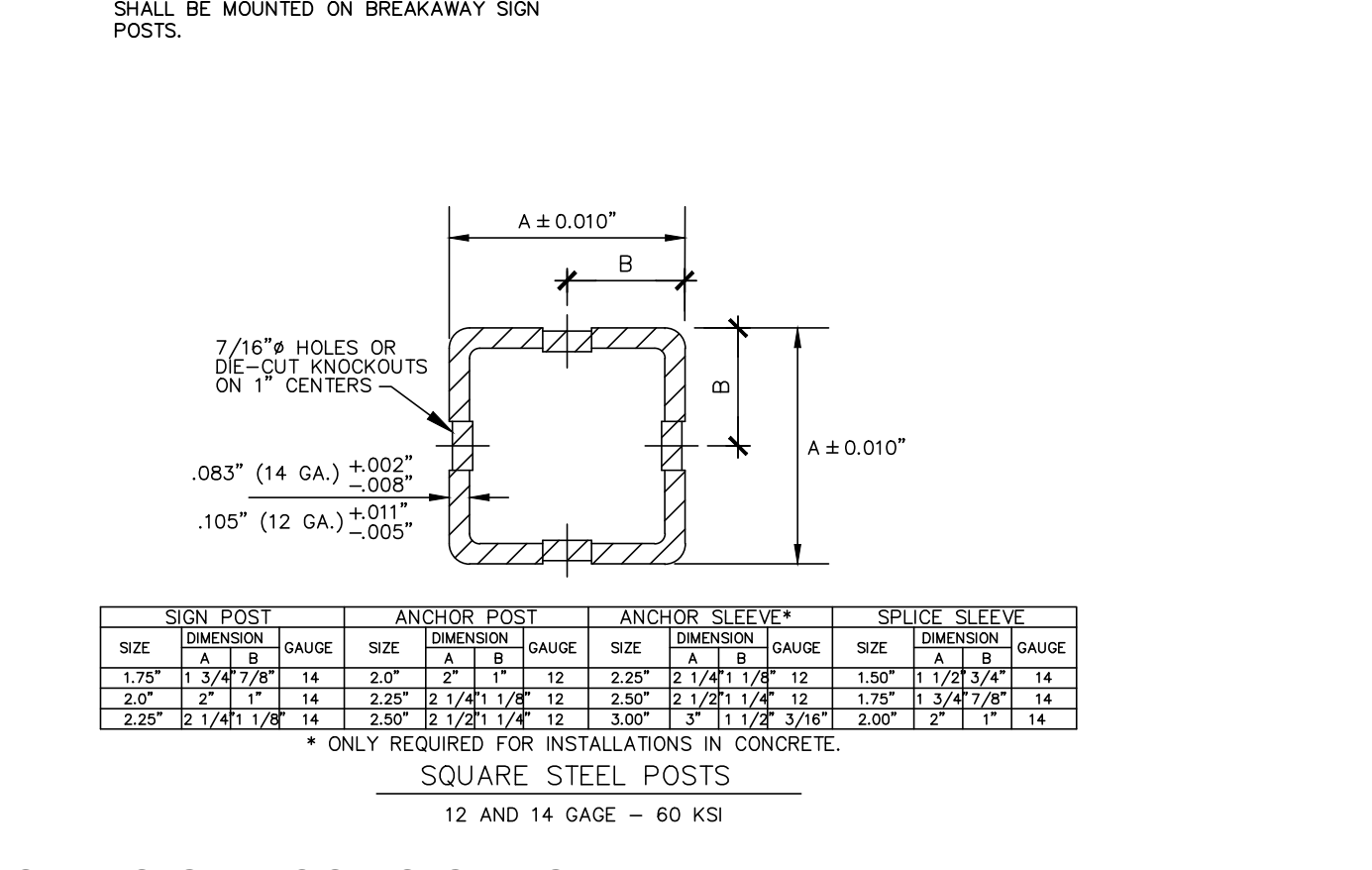
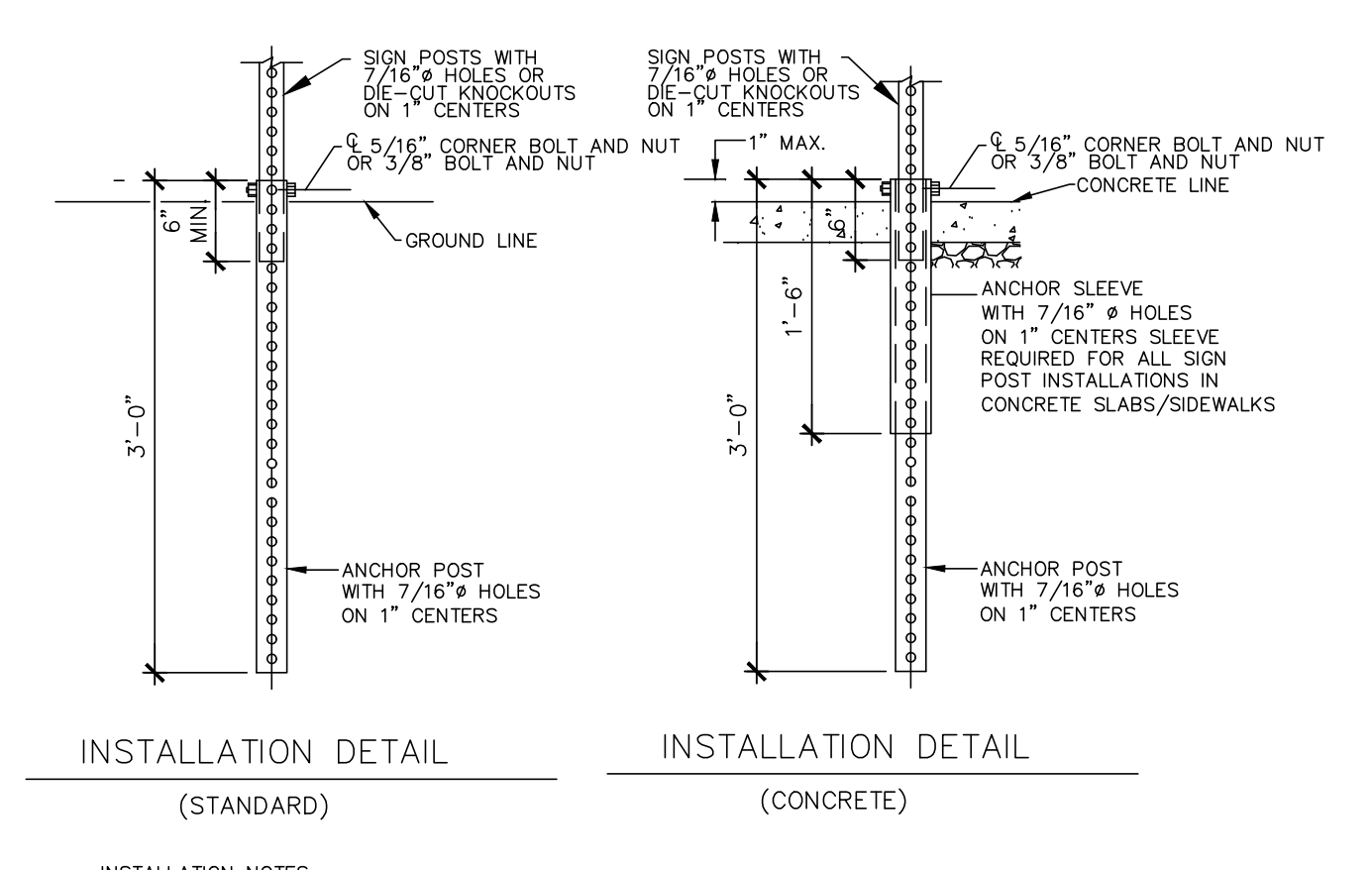
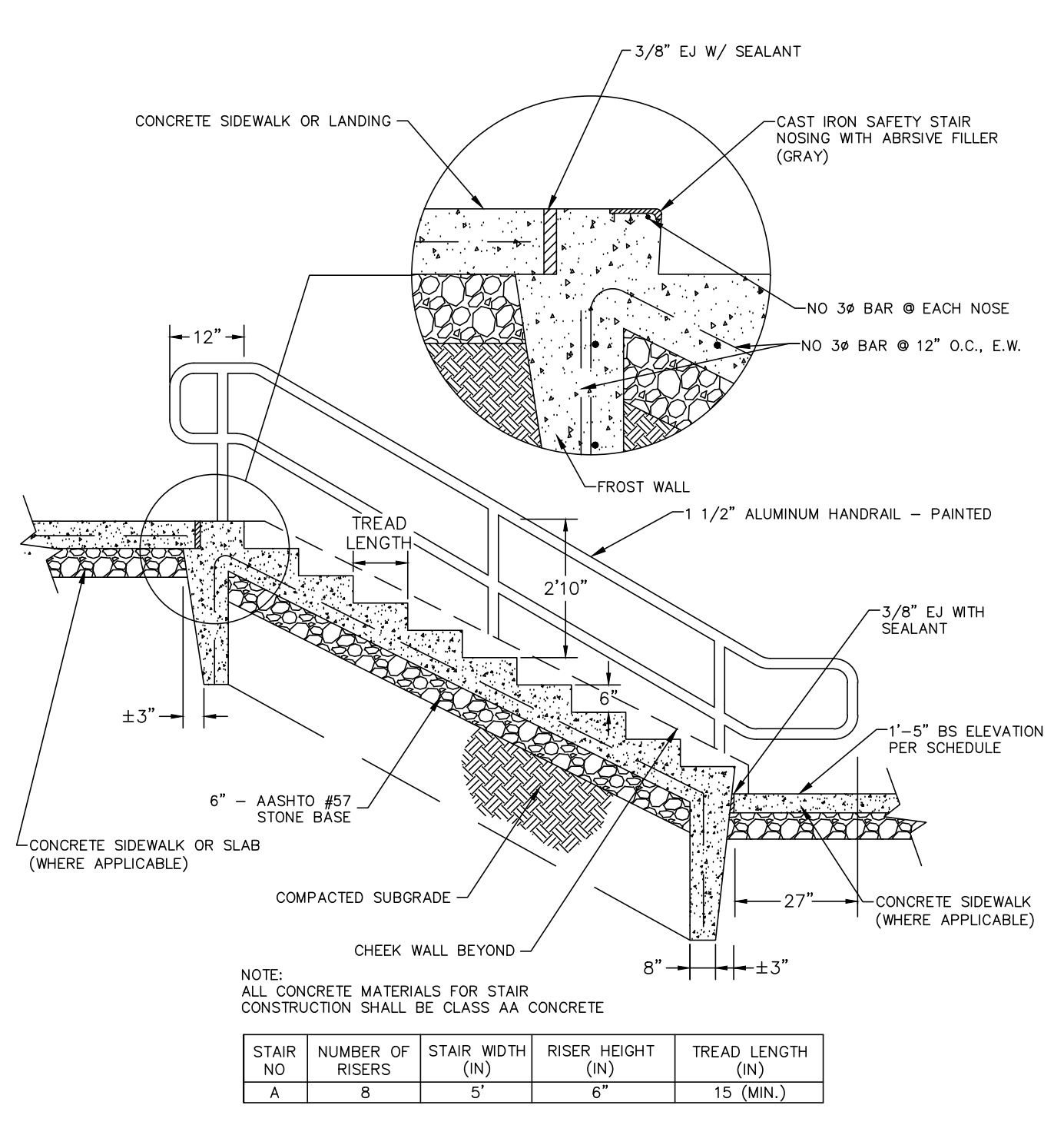
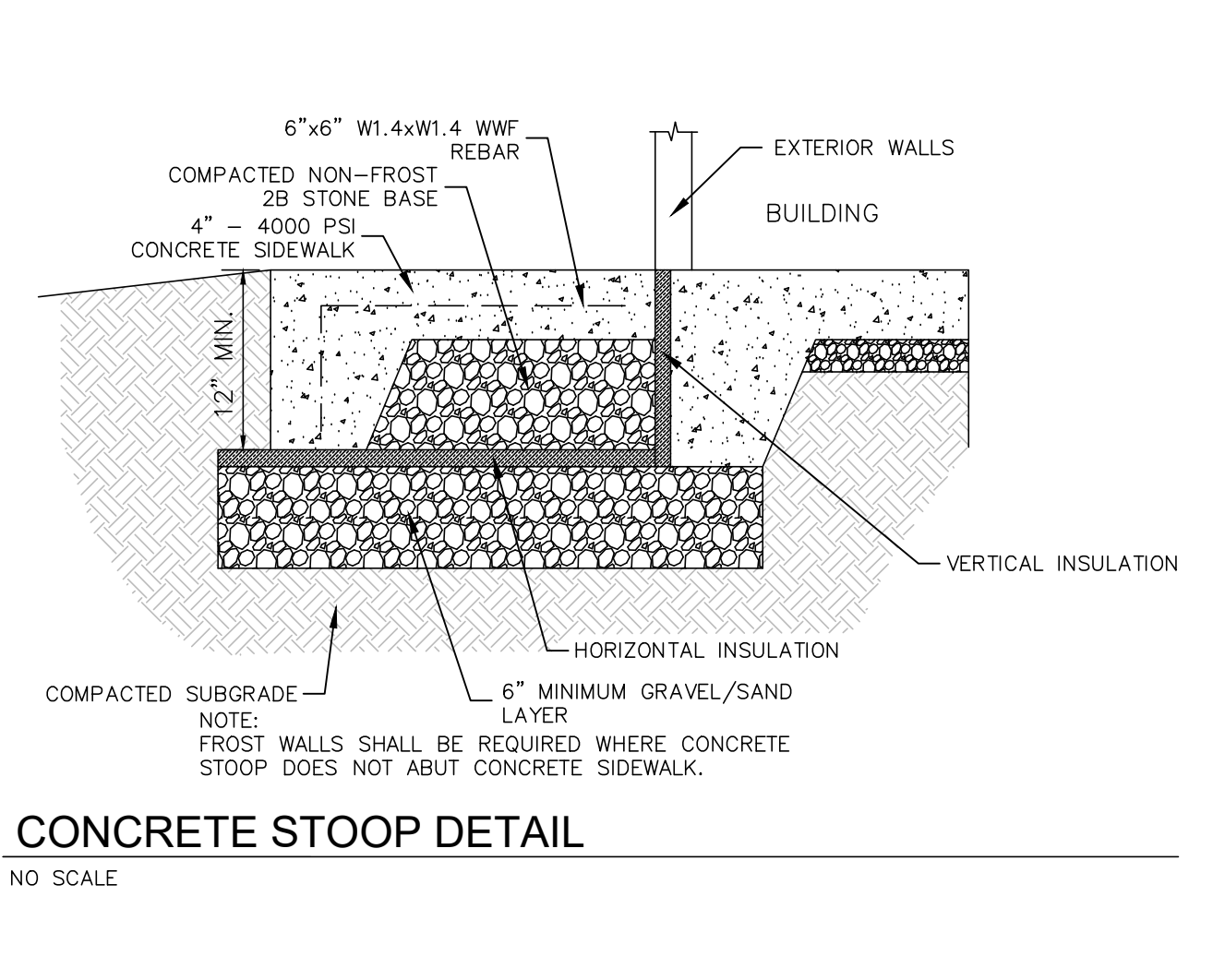
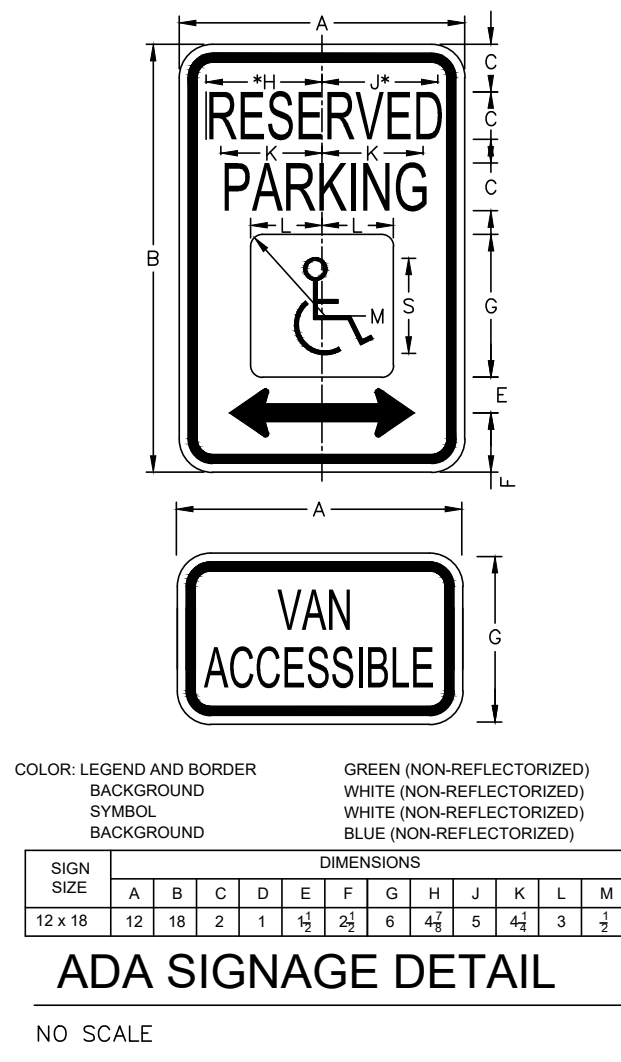
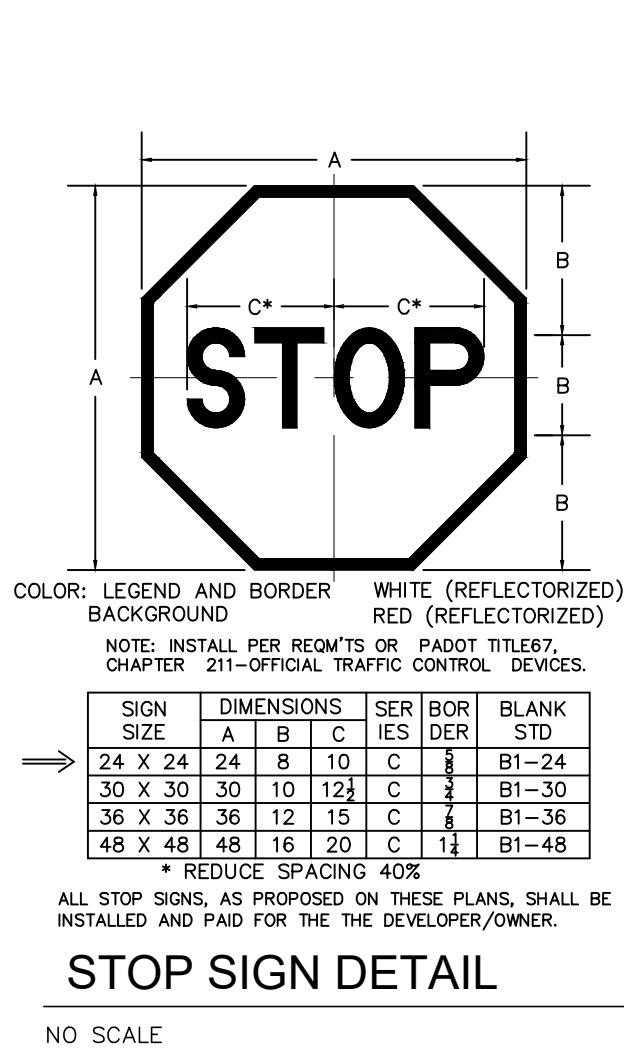
EAST CUMBERLAND STREET (S.R. 0422) WIDENING DETAIL

NOTE:  
 ALL PAVING SEAMS INCLUDING AT CURBS, INLETS, VALVES AND MANHOLES SHALL BE SEALED USING PG 645-22 OR EQUIVALENT.



RIGHT TURN LANE CROSS SECTION

NO SCALE



**SITE DETAILS**

PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
For  
NLT WAREHOUSE AND TRAILER STORAGE  
located in  
North Lebanon Township  
Lebanon County, Pennsylvania

NO.	DATE	BY	REVISION

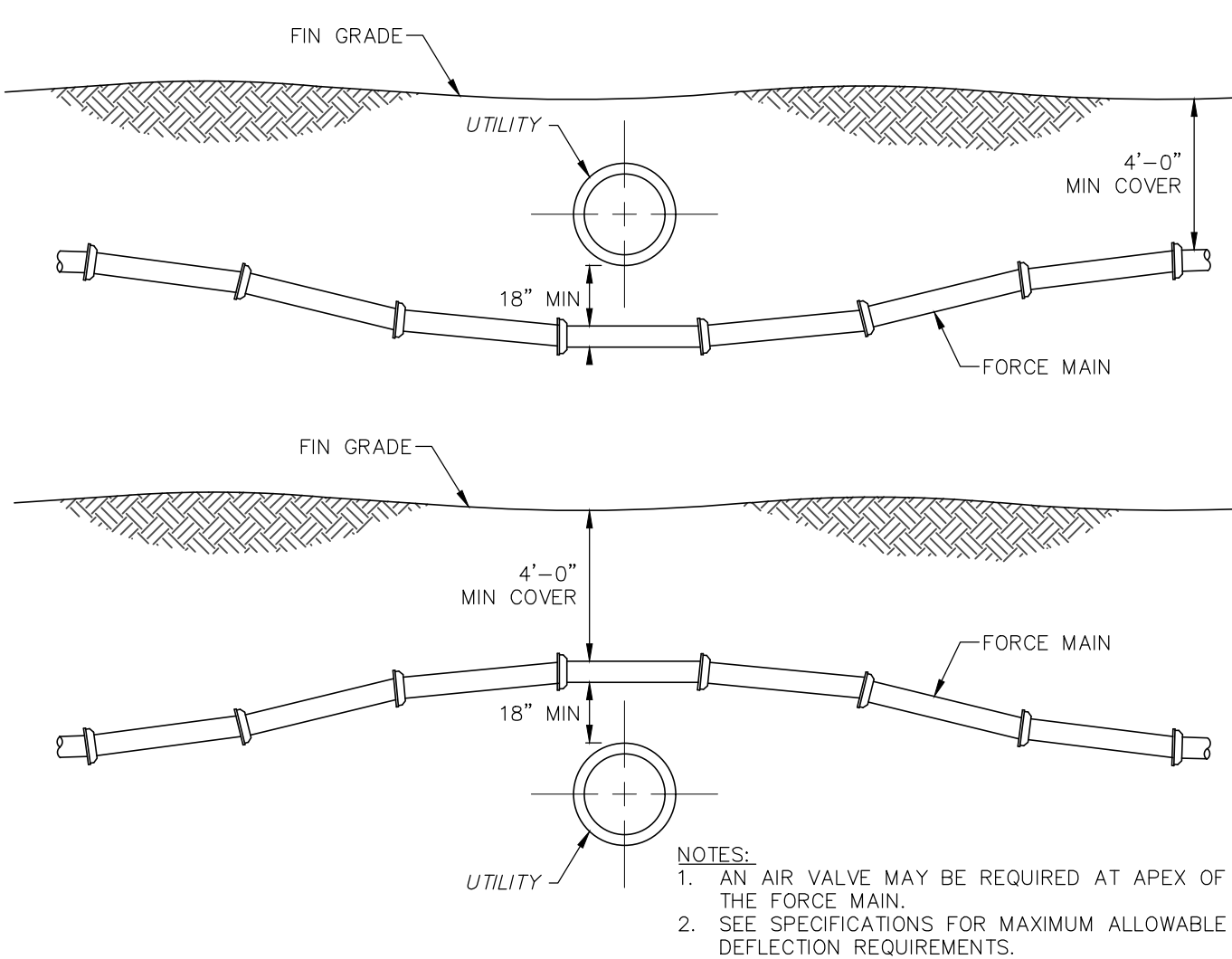
**CS**  
Steebuck Engineering & Surveying Inc.  
279 Lebanon, Pennsylvania 17042  
Phone: (717) 272-7110  
Fax: (717) 272-7348

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=150'
PROJECT:	#2214-22-001

48

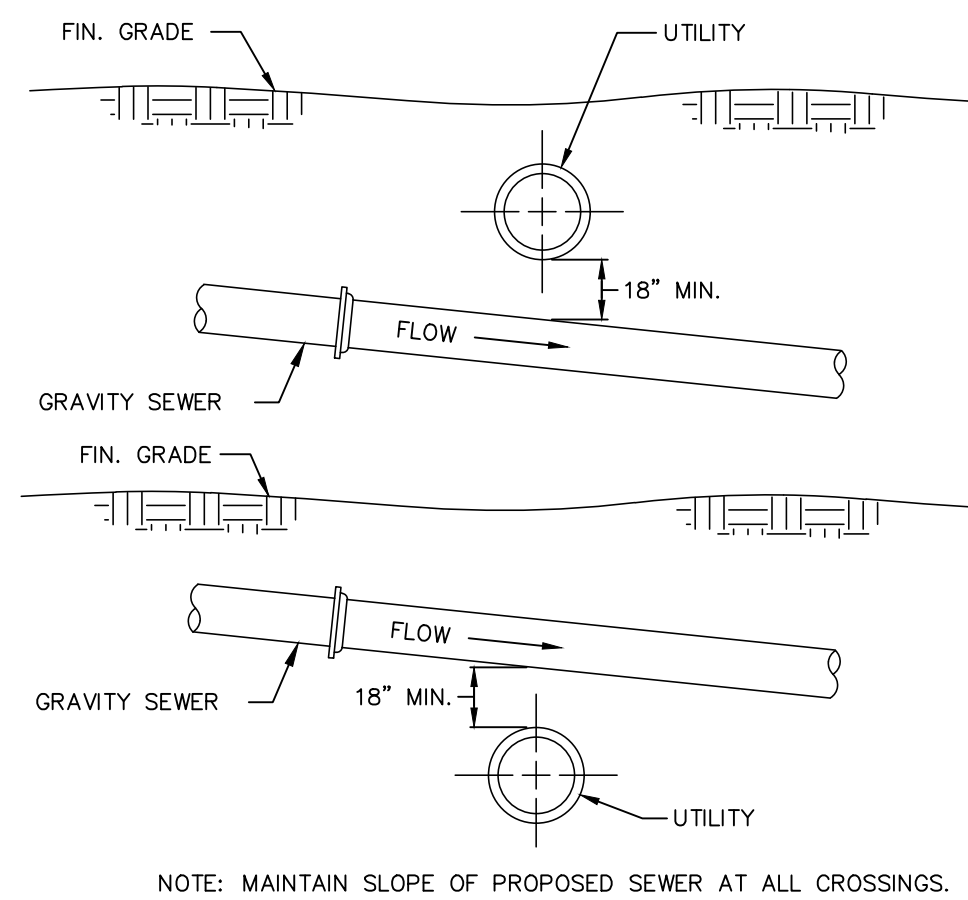
48 OF 56 SHEETS





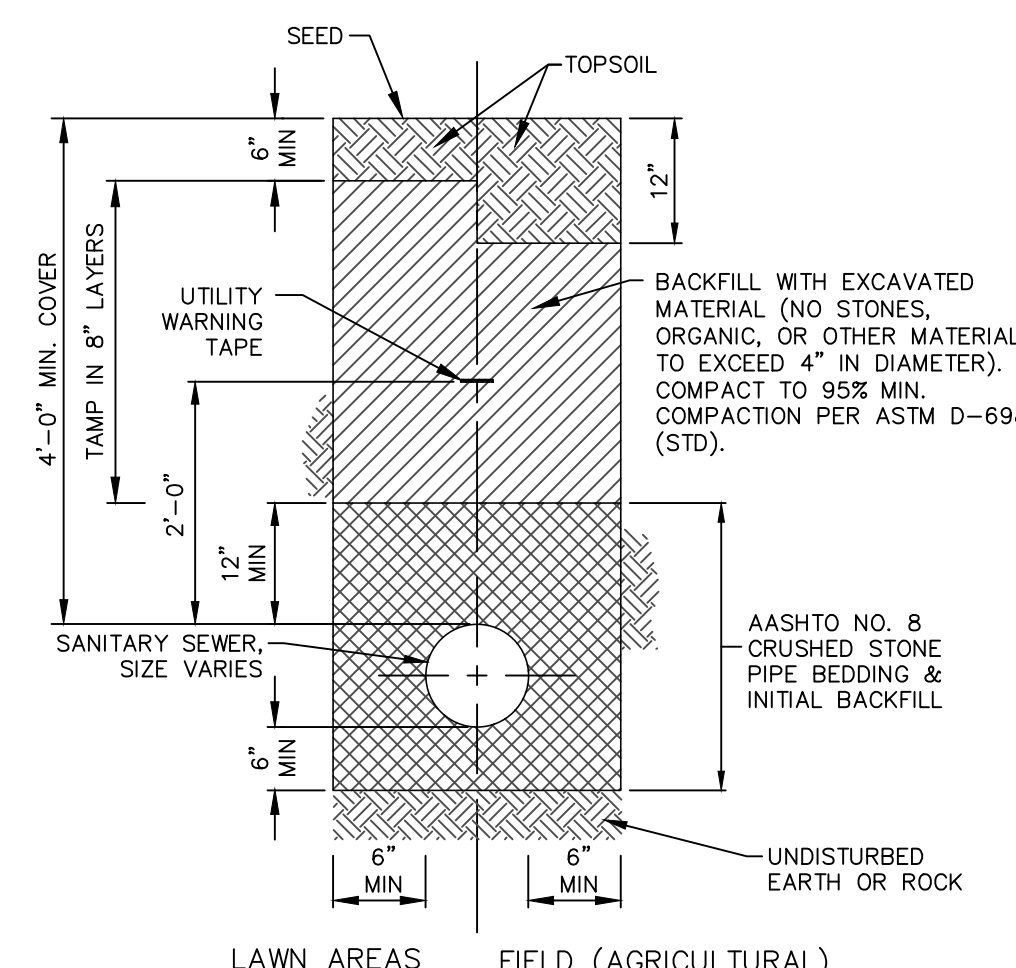
**FORECE MAIN CROSSING UTILITIES**

NO SCALE



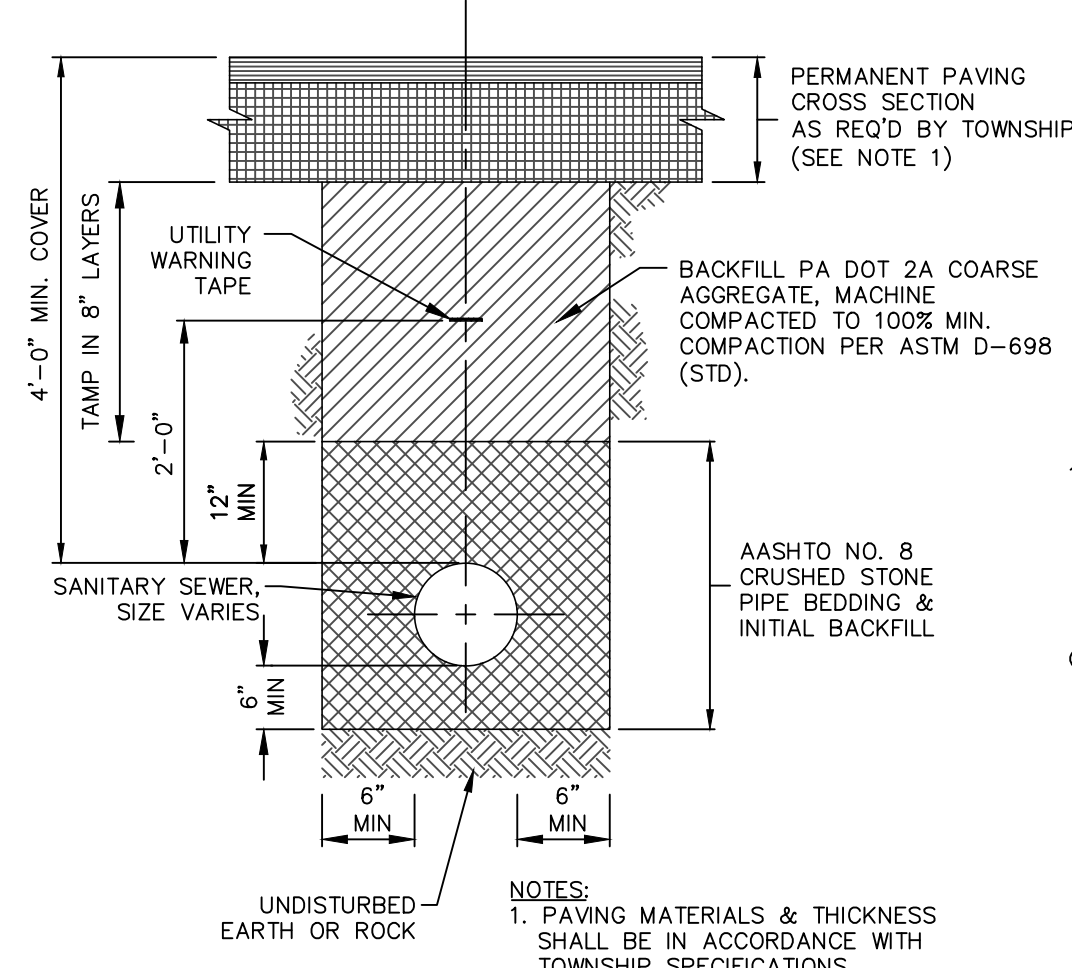
**GRAVITY SEWER CROSSING UTILITES**

NO SCALE



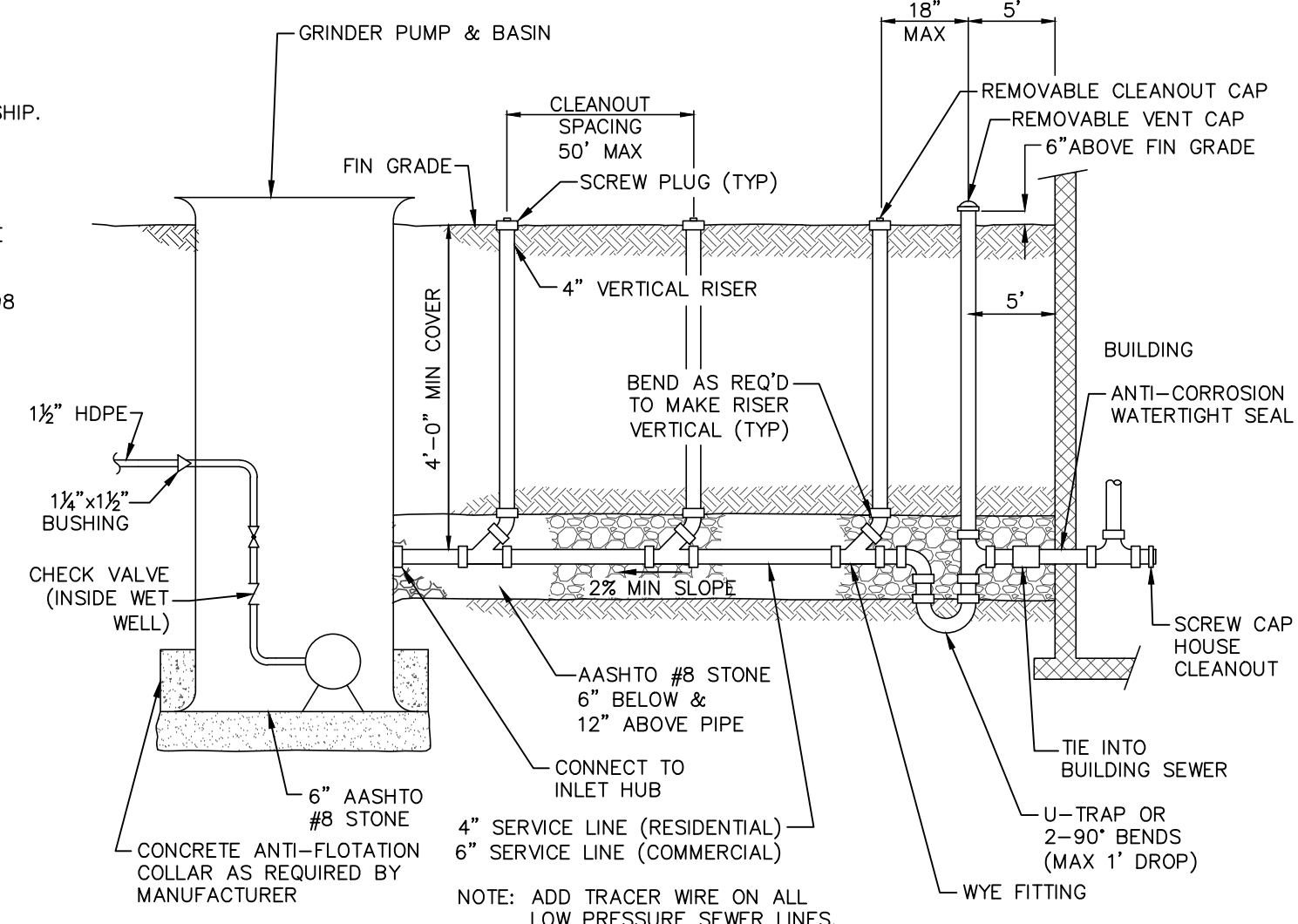
**TRENCH RESTORATION DETAIL (LAWN & FIELD AREAS)**

NO SCALE



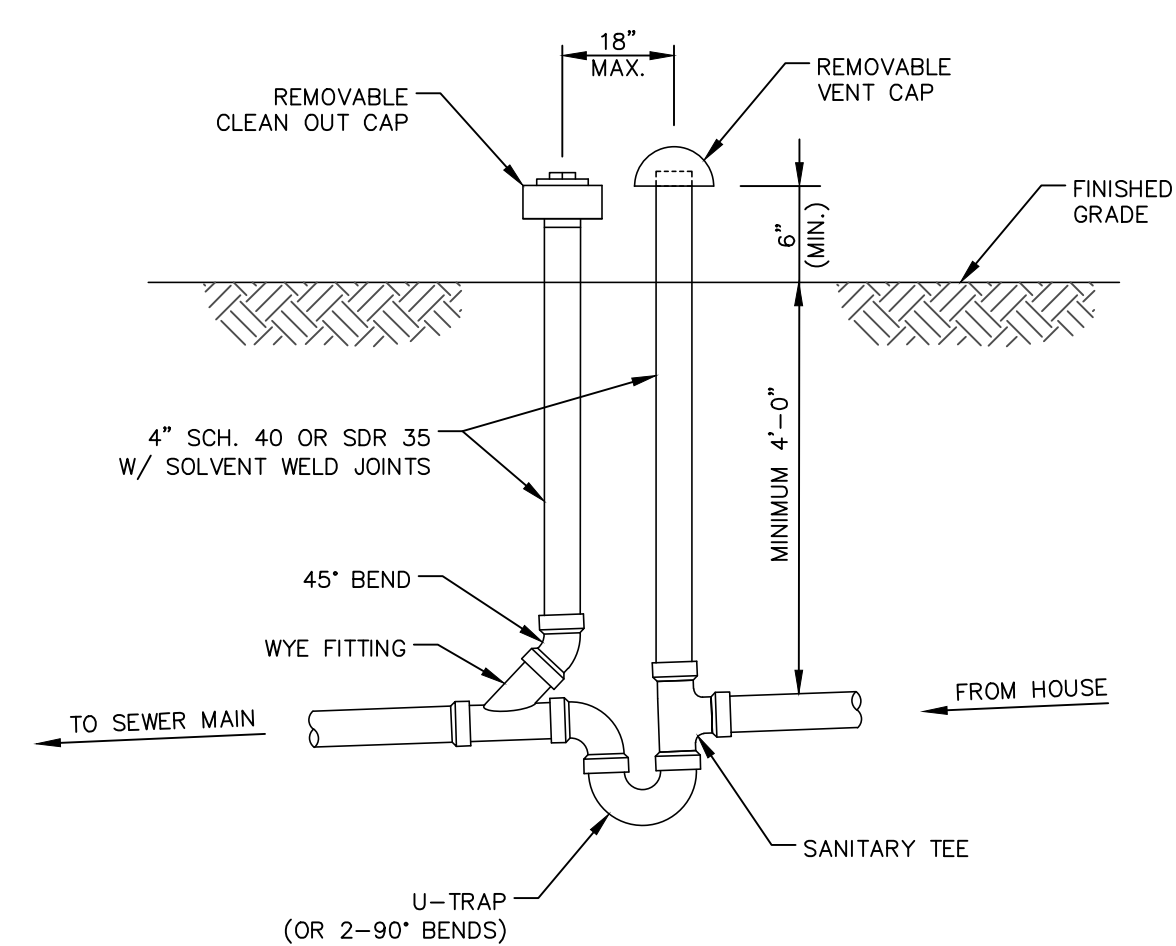
**TRENCH RESTORATION DETAIL (NEW ROADWAY)**

NO SCALE



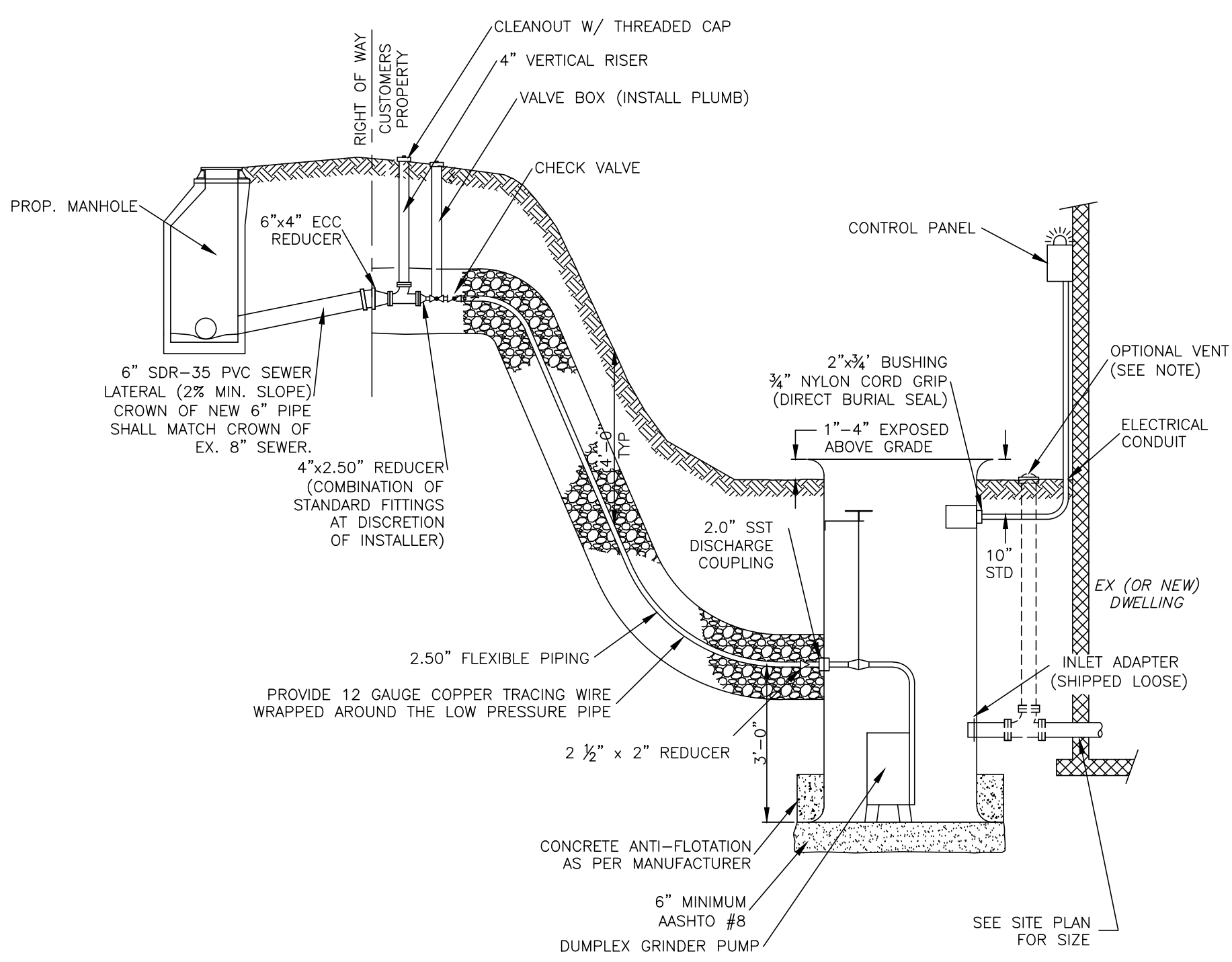
**GRINDER PUMP SERVICE LINE DETAIL**

NO SCALE



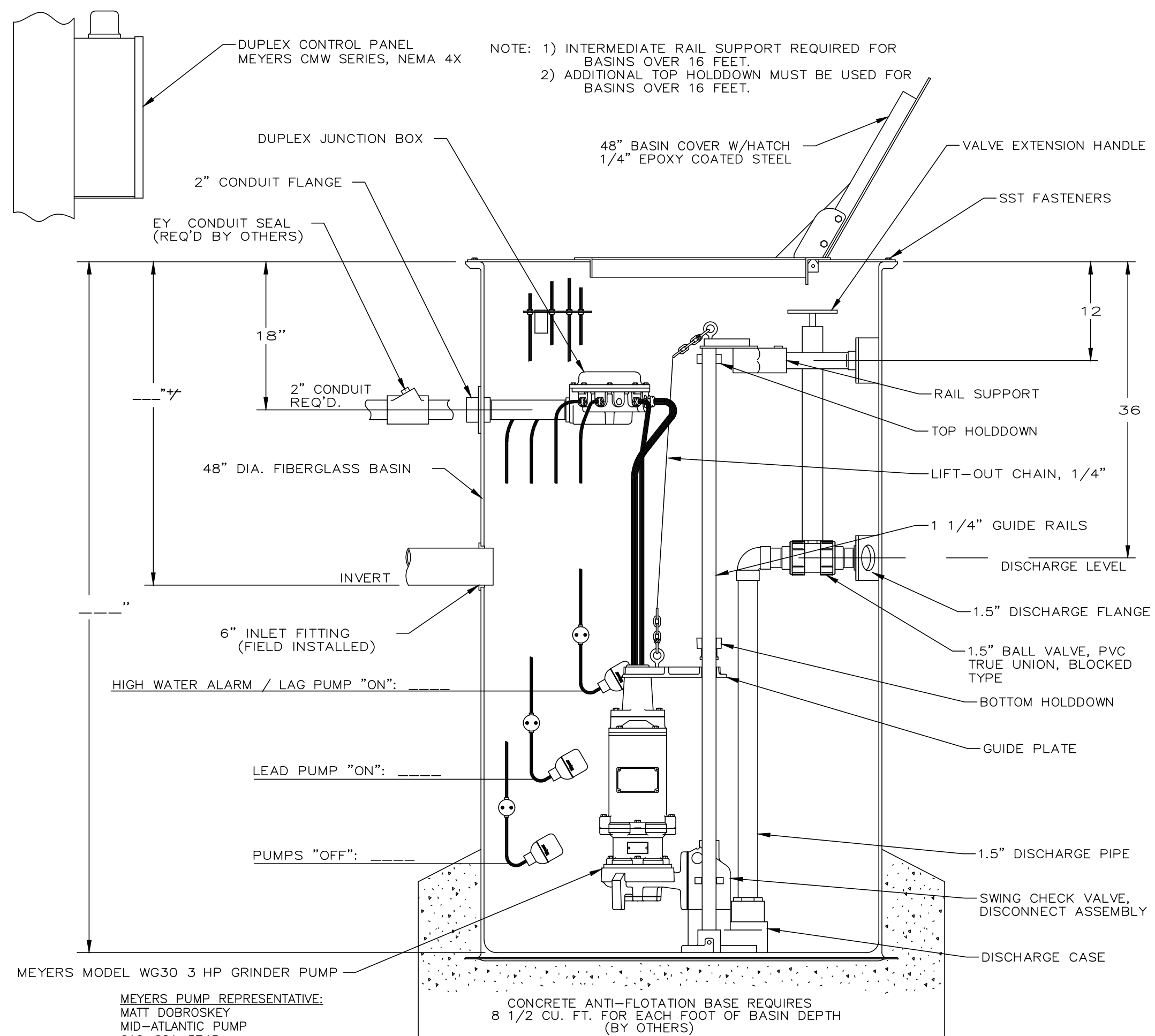
**TYPICAL TRAP & VENT ASSEMBLY DETAIL**

NO SCALE



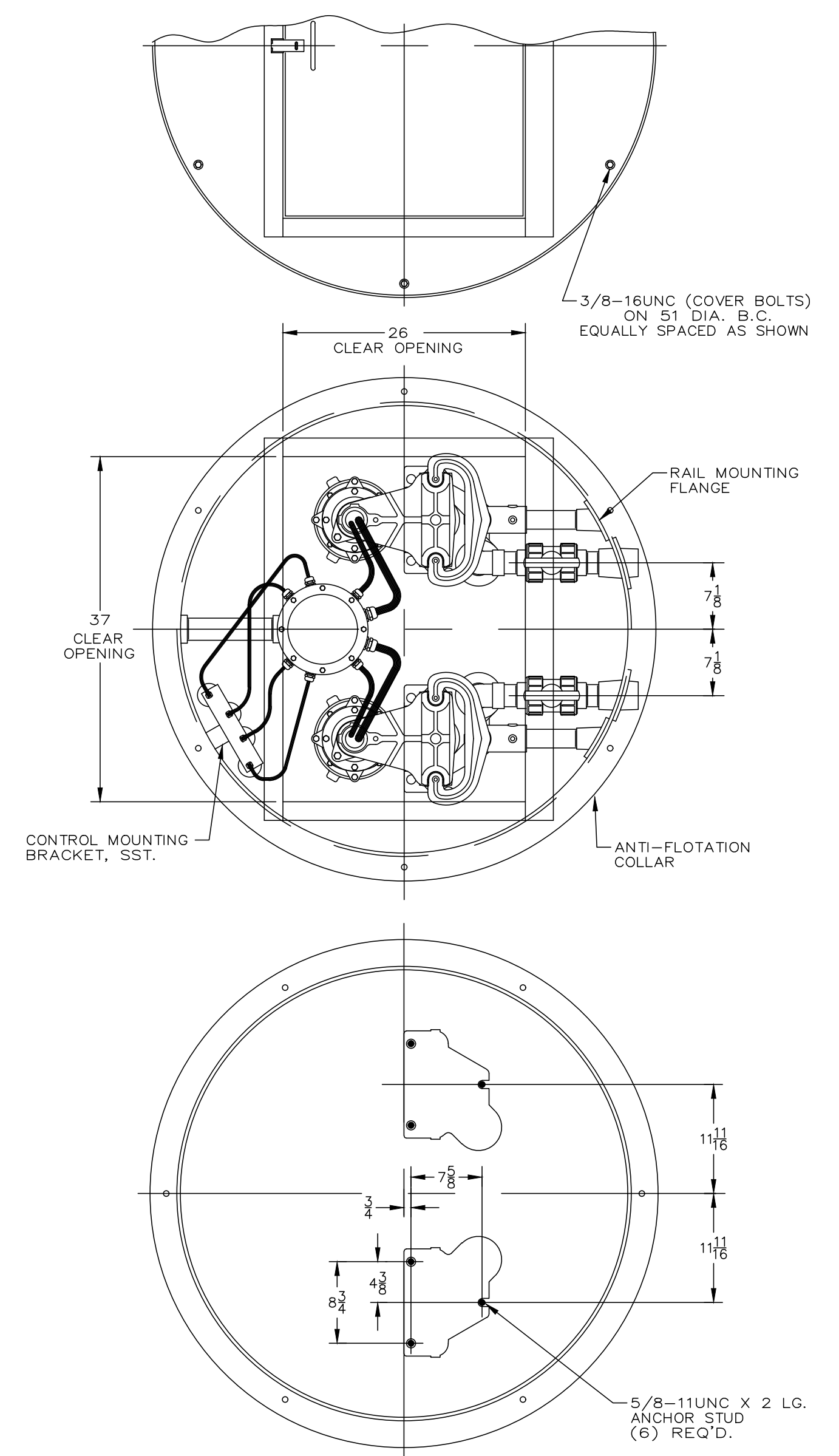
**GRINDER PUMP LATERAL CONNECTION DETAIL**

NO SCALE



**DUPLEX GRINDER PUMP DETAIL**

NO SCALE



BY	---
DATE	---
REVISION	---

REVISION	---
DATE	---
BY	---

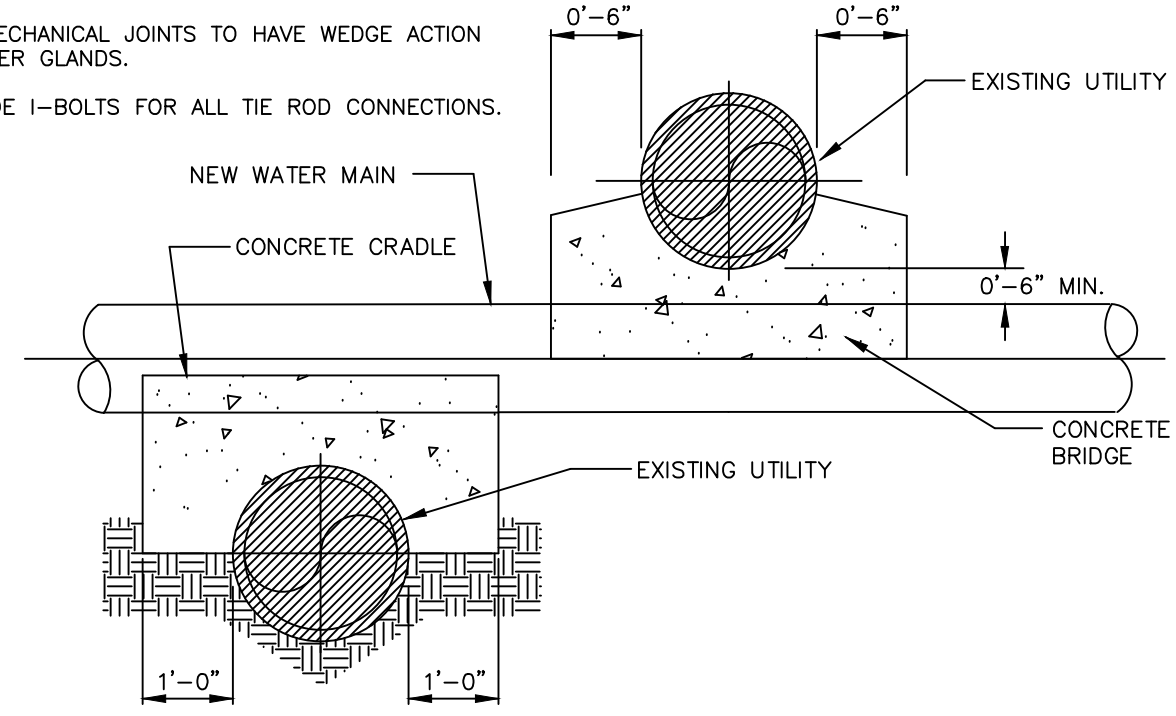
**SEWER DETAILS**  
PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
For  
NLT WAREHOUSE AND TRAILER STORAGE  
located in  
North Lebanon Township  
Lebanon County, Pennsylvania

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

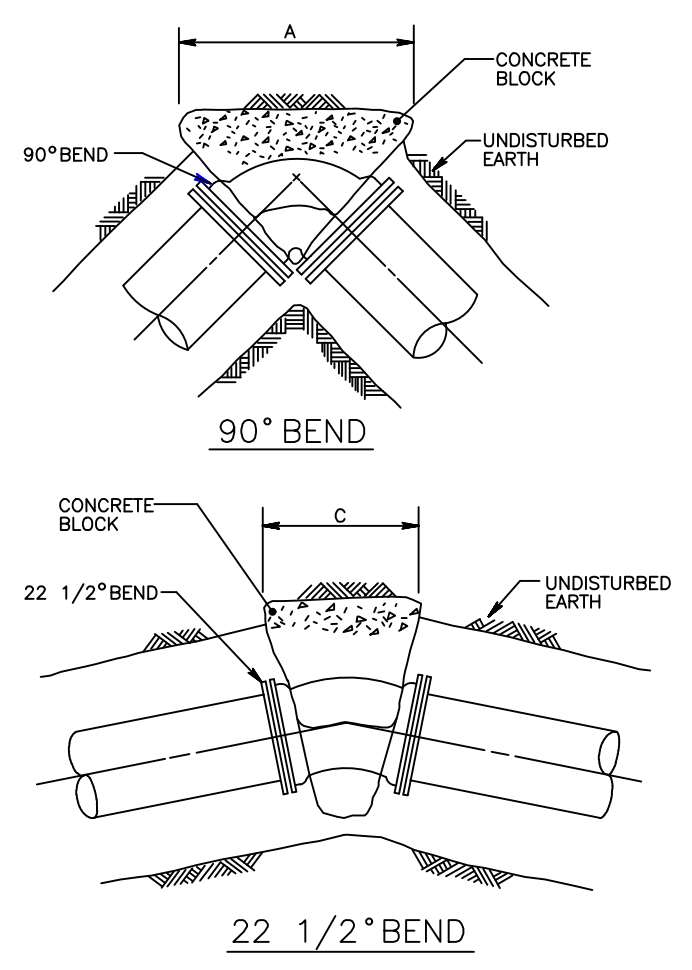
FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	#2214-22-001

**NOTES:**

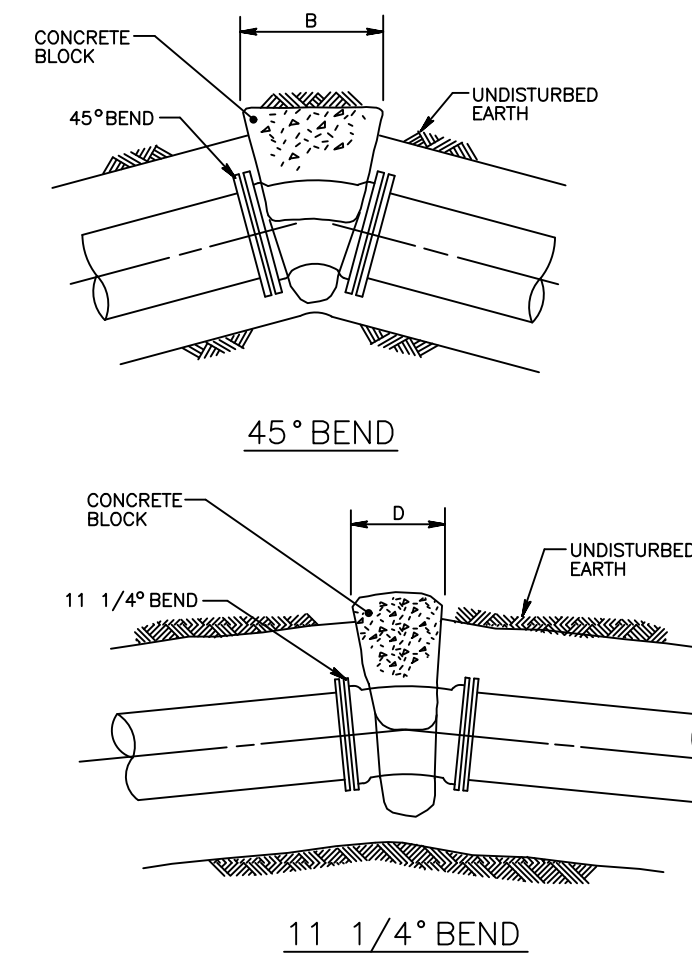
1. PROTECT THE RODS, CLAMPS AND OTHER COMPONENTS OF DISSIMILAR METAL AGAINST CORROSION BY HAND APPLICATION OF 2 COATS OF BITUMASTIC PAINT.
2. WALL AND FLOOR PENETRATIONS FOR THE RODS TO BE SEALED WITH NON-SHRINK GROUT.
3. DOMESTIC SERVICE CONNECTION CAN BE MADE USING SERVICE SADDLE OR TEE.
4. SEE SPECIFICATIONS FOR MATERIAL REQUIREMENTS.
5. ALL COPPER FITTINGS MUST BE COMPRESSION TYPE. NO FLARED OR SOLDERED FITTINGS WILL BE ACCEPTED.
6. ALL MECHANICAL JOINTS TO HAVE WEDGE ACTION RETAINER GLANDS.
7. PROVIDE 1-BOLTS FOR ALL THE ROD CONNECTIONS.



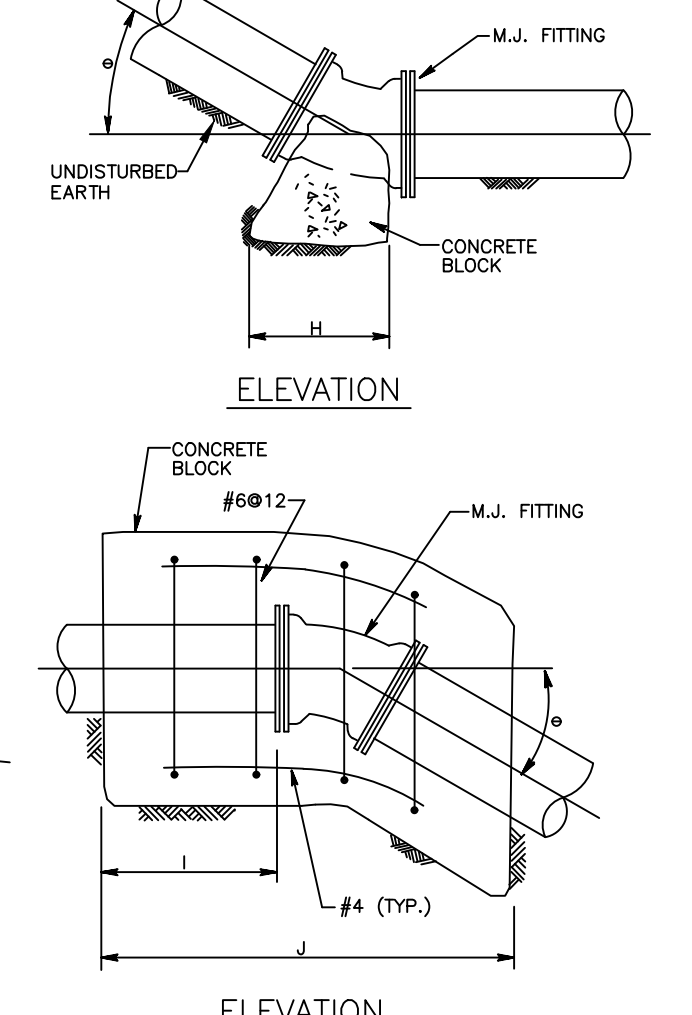
**TYPICAL CONFIGURATION OVER UNDER EXISTING UTILITY**  
NOT TO SCALE



**HORIZONTAL REACTION BACKINGS**  
NOT TO SCALE



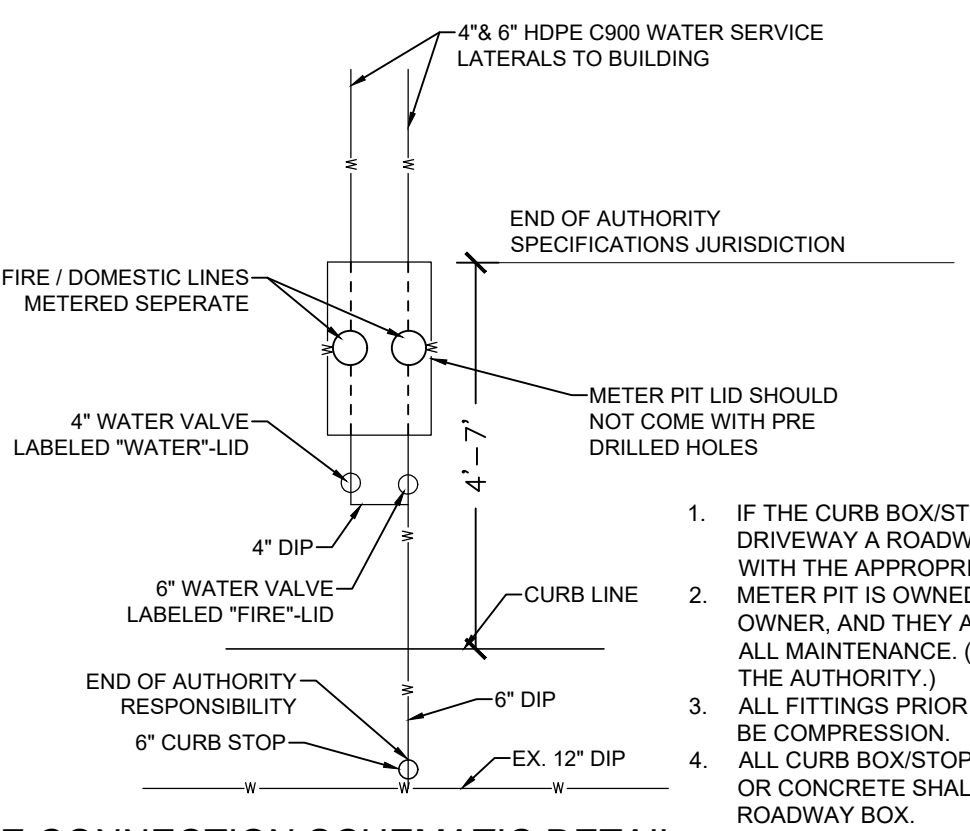
**VERTICAL REACTION BACKINGS**  
NOT TO SCALE



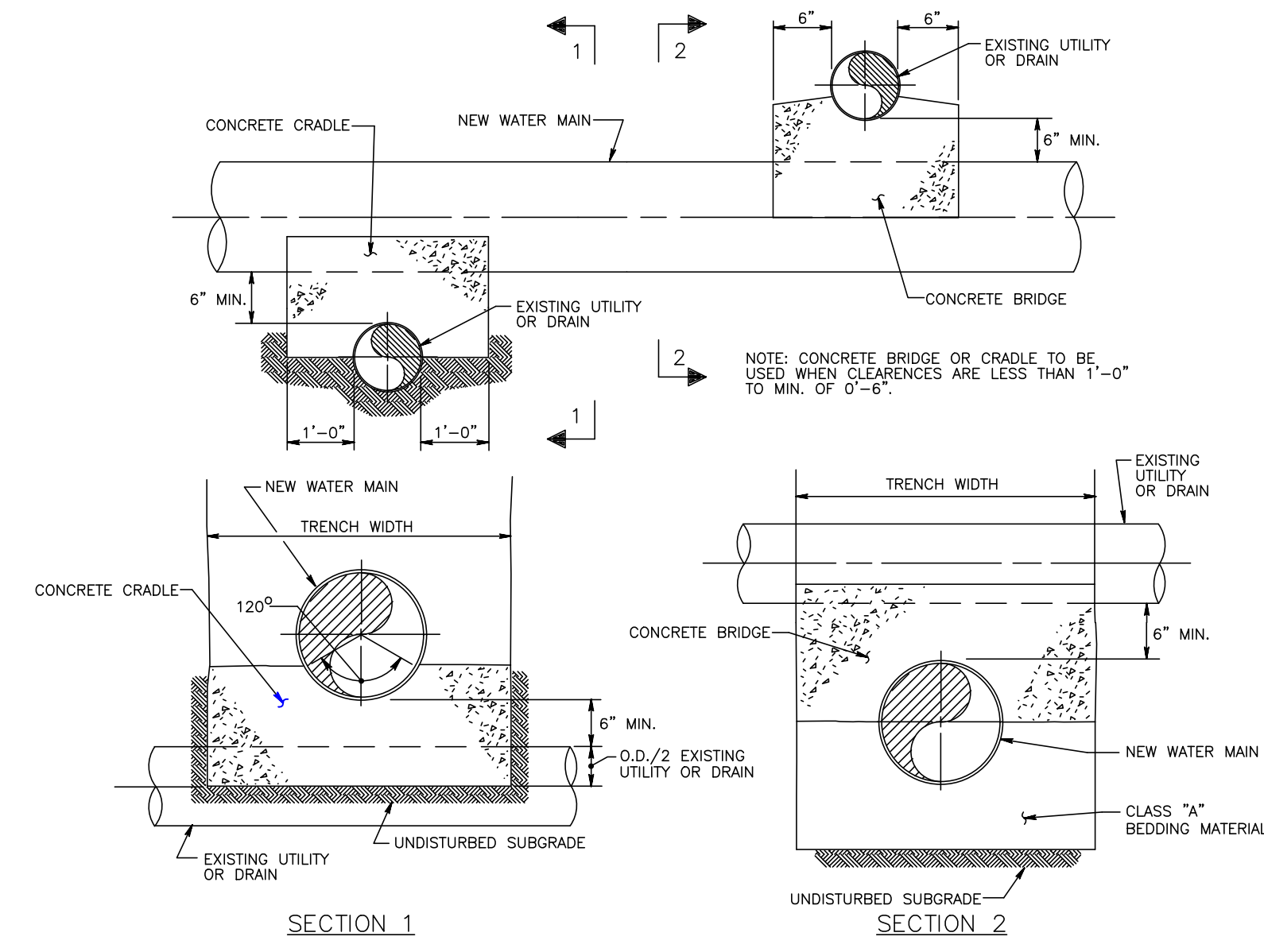
**PLUG AND TEE OR TAPPING SLEEVE**

PIPE TEST PRESSURE (PSI)	A	B	C	D	E	F	G	H	I	J	K	L	M
24"	11'-0"	8'-0"	6'-0"	4'-0"	3'-0"	2'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"
30"	8'-0"	6'-0"	4'-0"	3'-0"	2'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"
36"	6'-0"	4'-0"	3'-0"	2'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"
42"	4'-0"	3'-0"	2'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"
48"	3'-0"	2'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"
54"	2'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"
60"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"

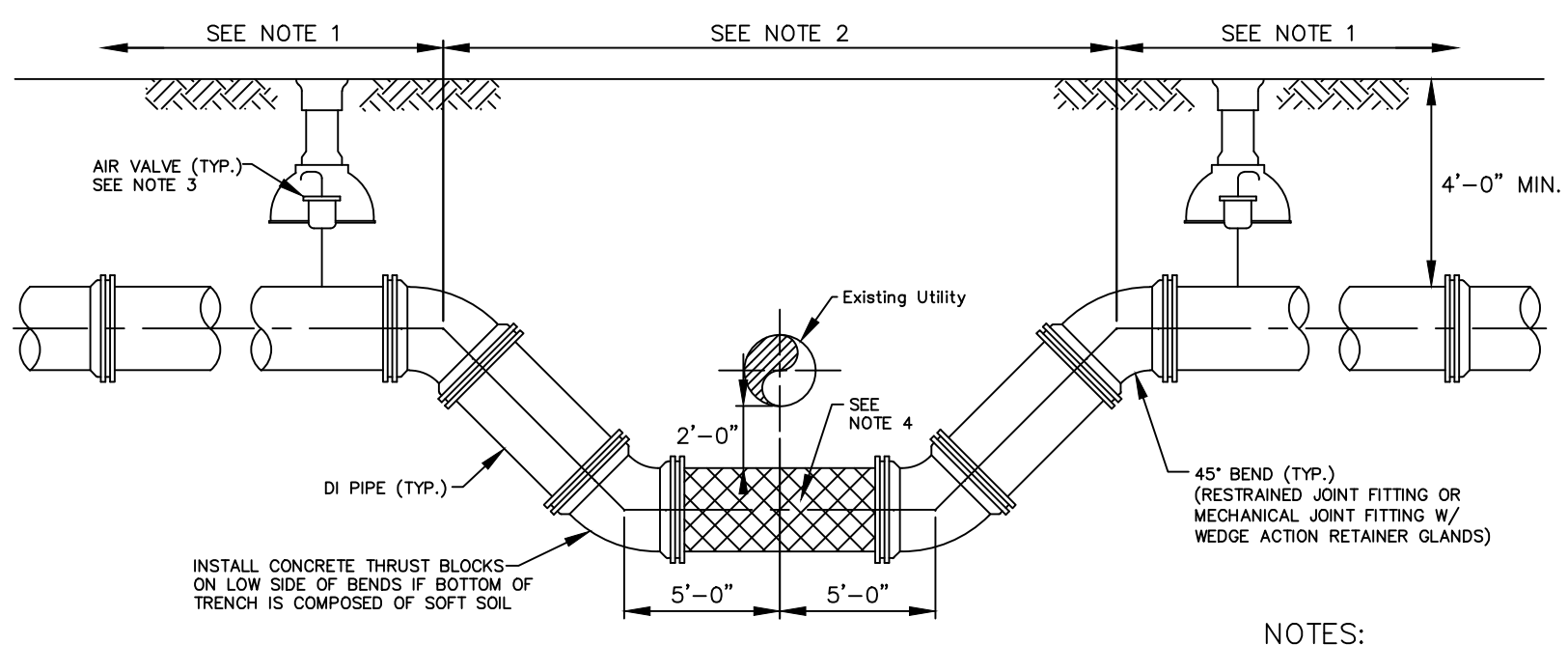
- NOTES:**
1. REACTION BACKING DIMENSIONS HAVE BEEN CALCULATED USING A SOIL BEARING CAPACITY OF 2000 POUNDS PER SQUARE FOOT AND TEST PRESSURES AS INDICATED.
  2. ALL FITTINGS SHALL BE MECHANICAL JOINT AND SHALL HAVE WEDGE ACTION FOLLOWER GLANDS INSTALLED TO MANUFACTURERS SPECIFICATIONS, EXCEPT IN RESTRAINED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



**WATER LINE CONNECTION SCHEMATIC DETAIL**  
NO SCALE

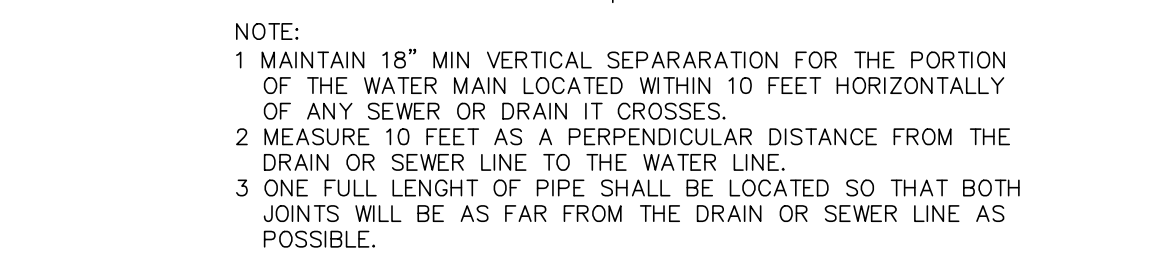


**UTILITY CROSSING - CONCRETE CRADLE AND BRIDGE DETAIL**  
NO SCALE



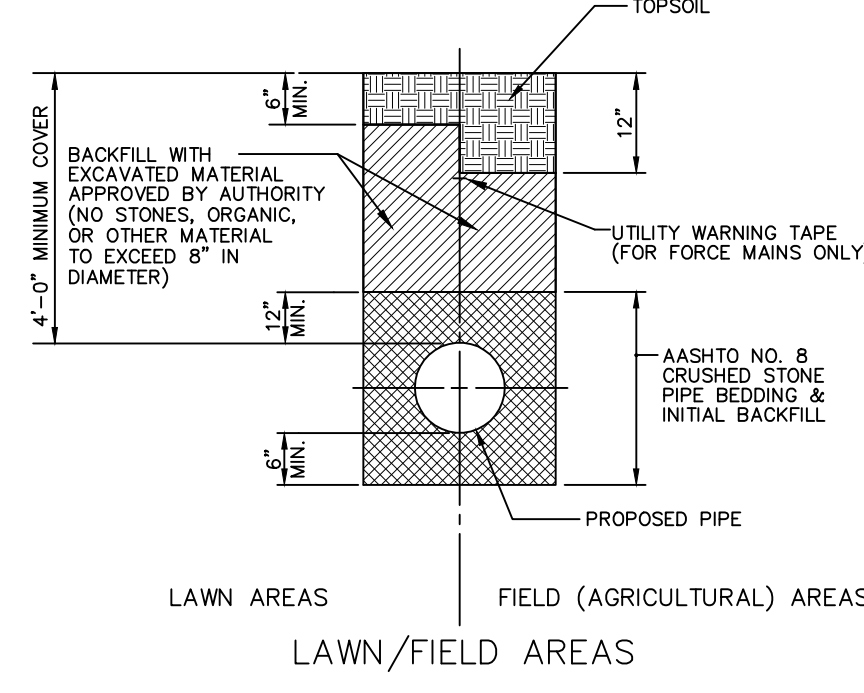
**UTILITY CROSSING VERTICAL OFFSET DETAIL**  
NOT TO SCALE

- NOTES:**
1. 80 LF OF RESTRAINED JOINT PIPE (TYP. EACH 800) (100 LF IF POLYETHYLENE ENCASED OR PVC PIPE) UP TO AND INCLUDING 12" DIAMETER PIPE.
  2. ALL PIPE JOINTS BETWEEN BENDS MUST BE RESTRAINED.
  3. INSTALL AIR VALVE PER STANDARD DETAILS UNLESS DIRECTED OTHERWISE BY AUTHORITY.
  4. INSULATE WATER MAIN UNDER STORMWATER PIPES AND SANITARY SEWER PIPES.

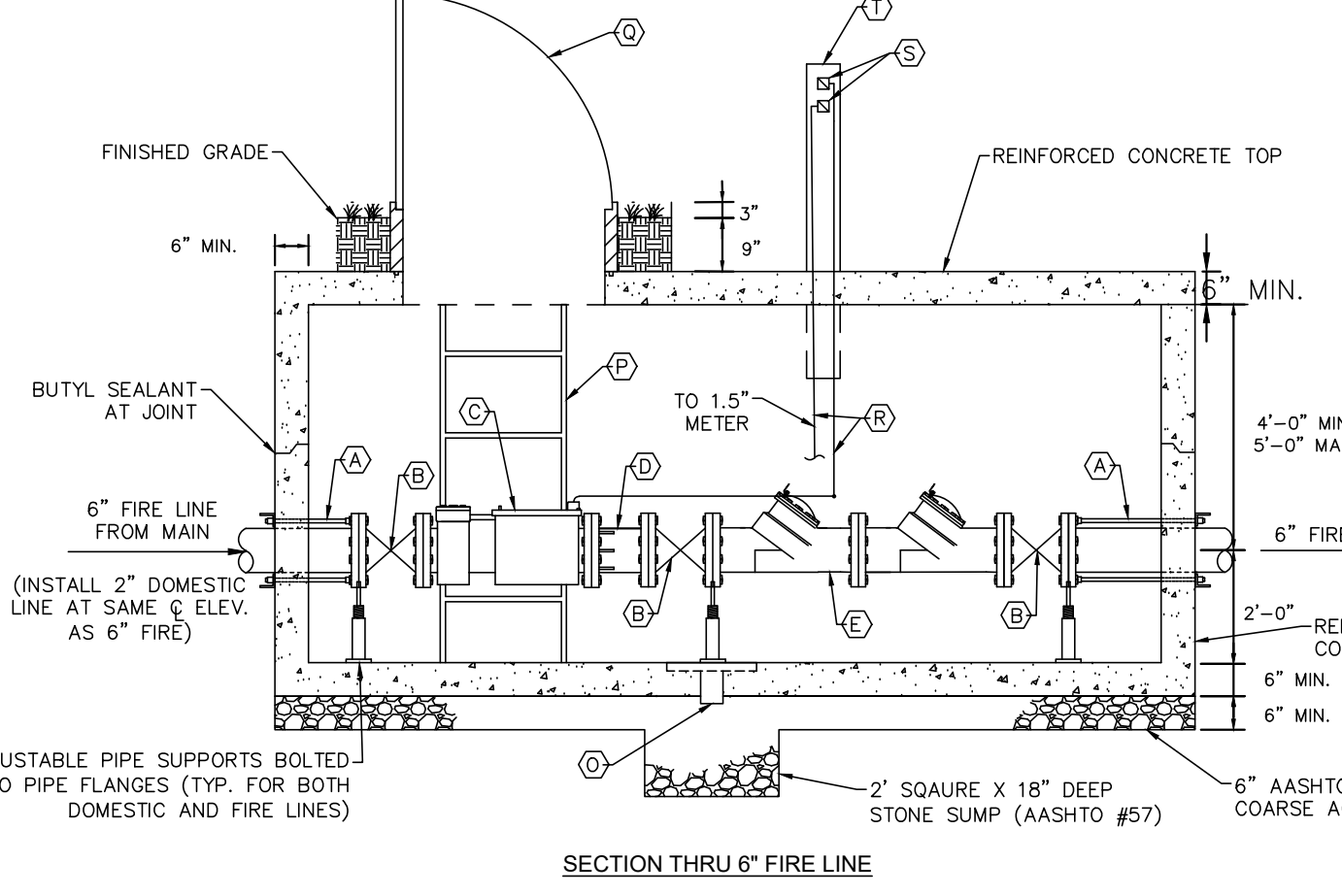
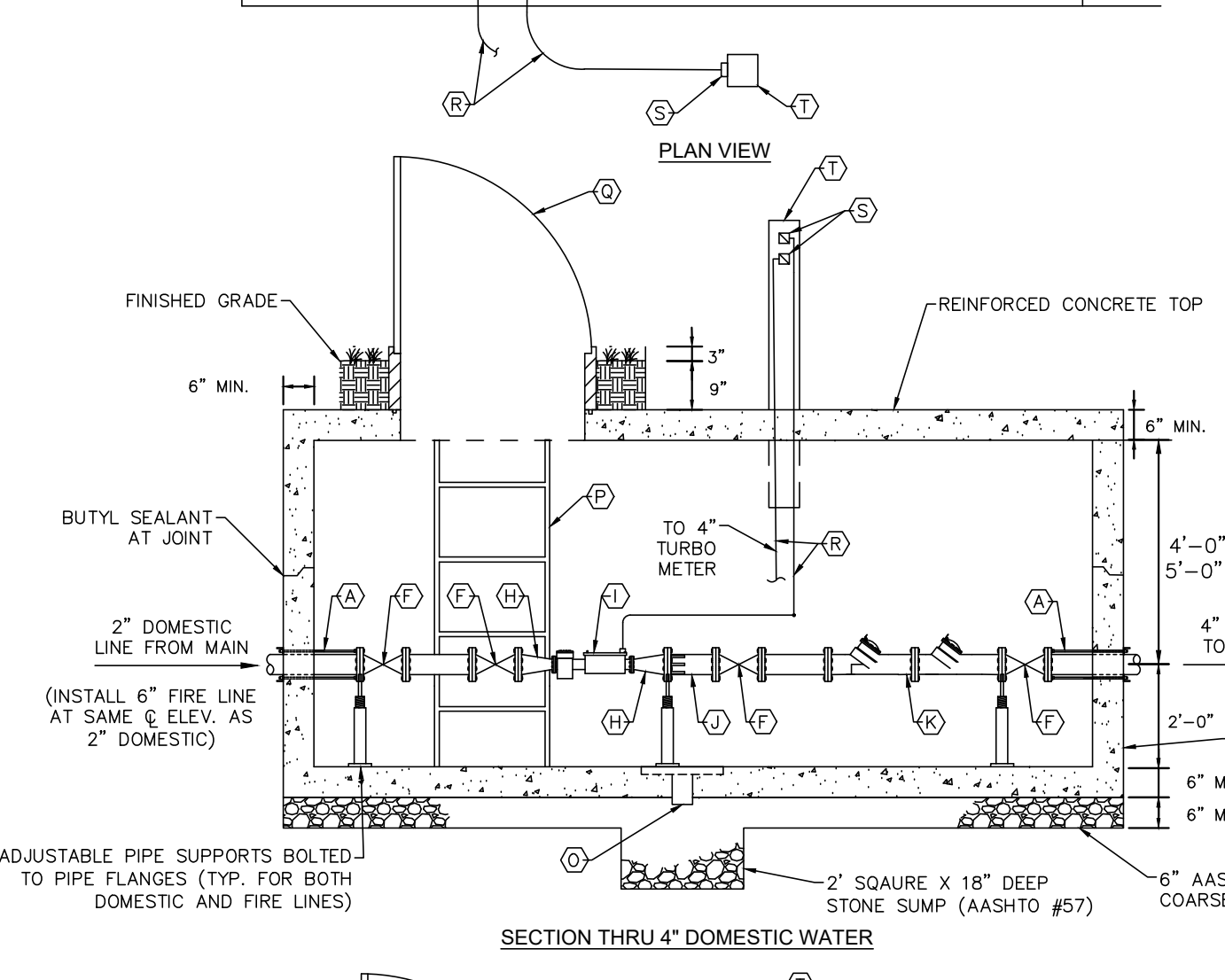
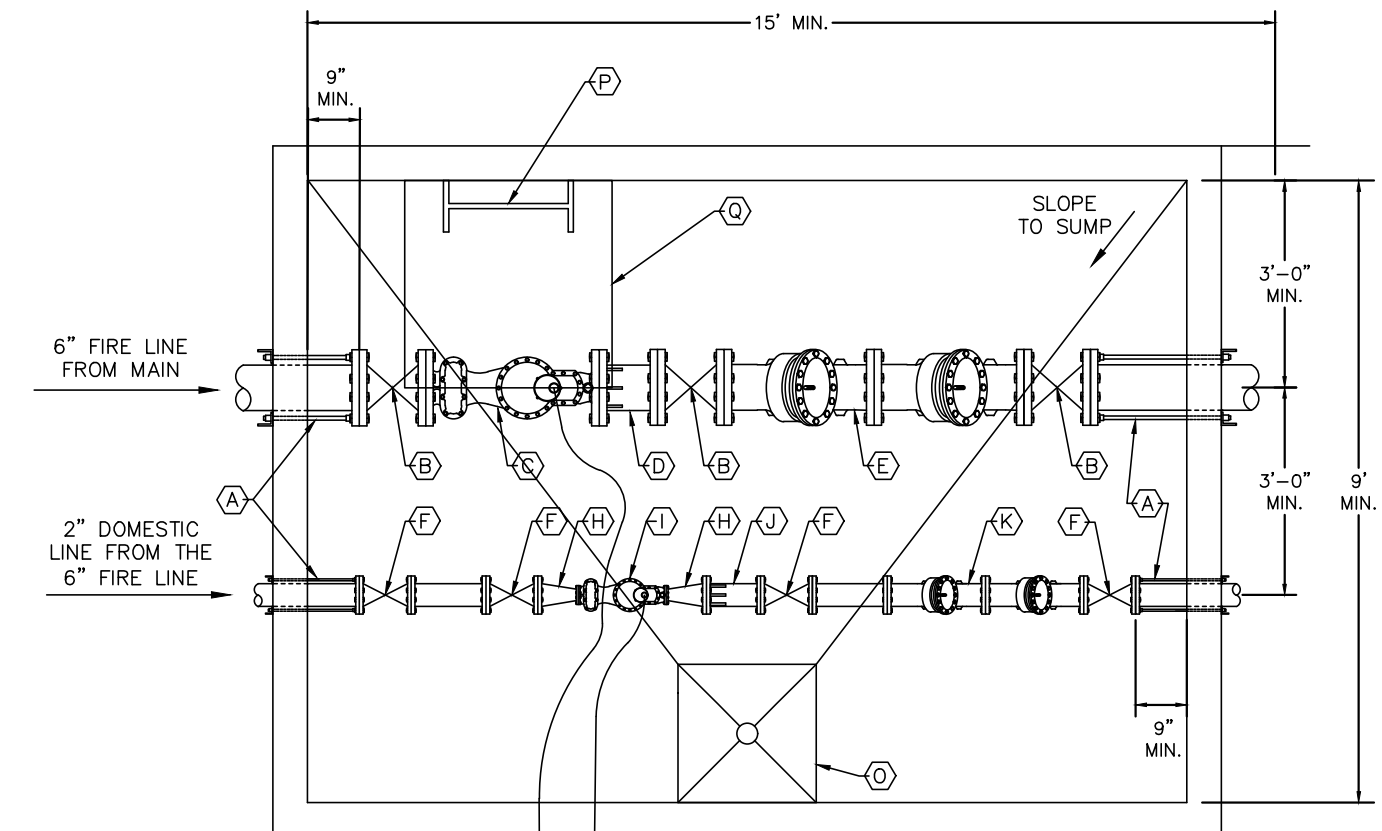
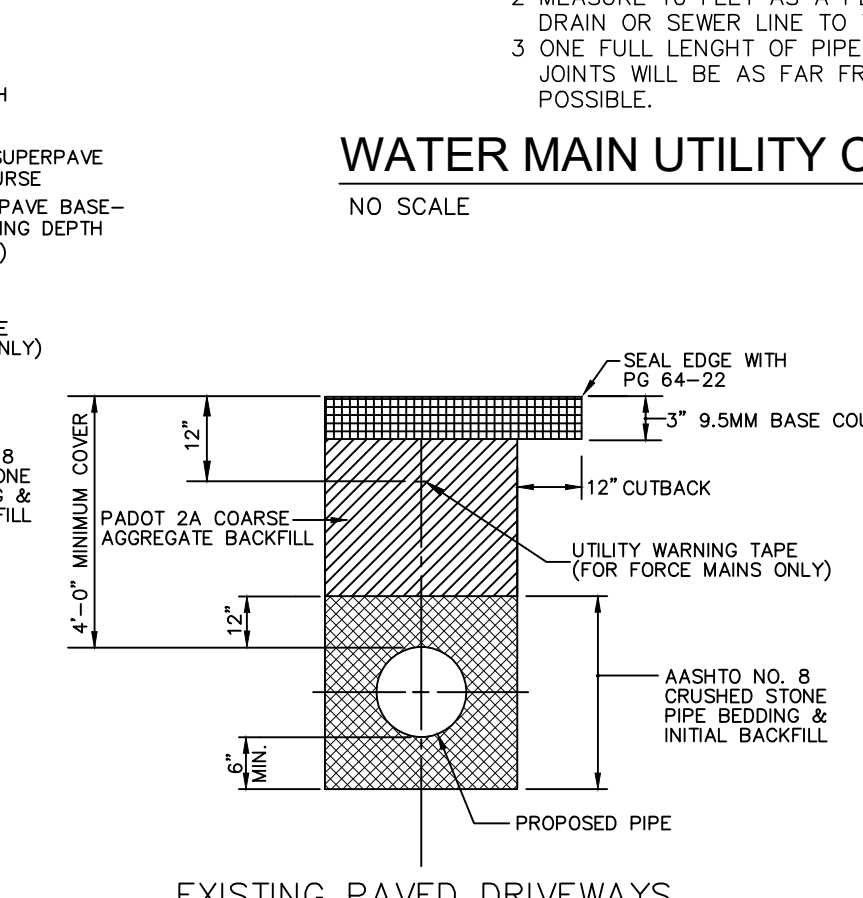
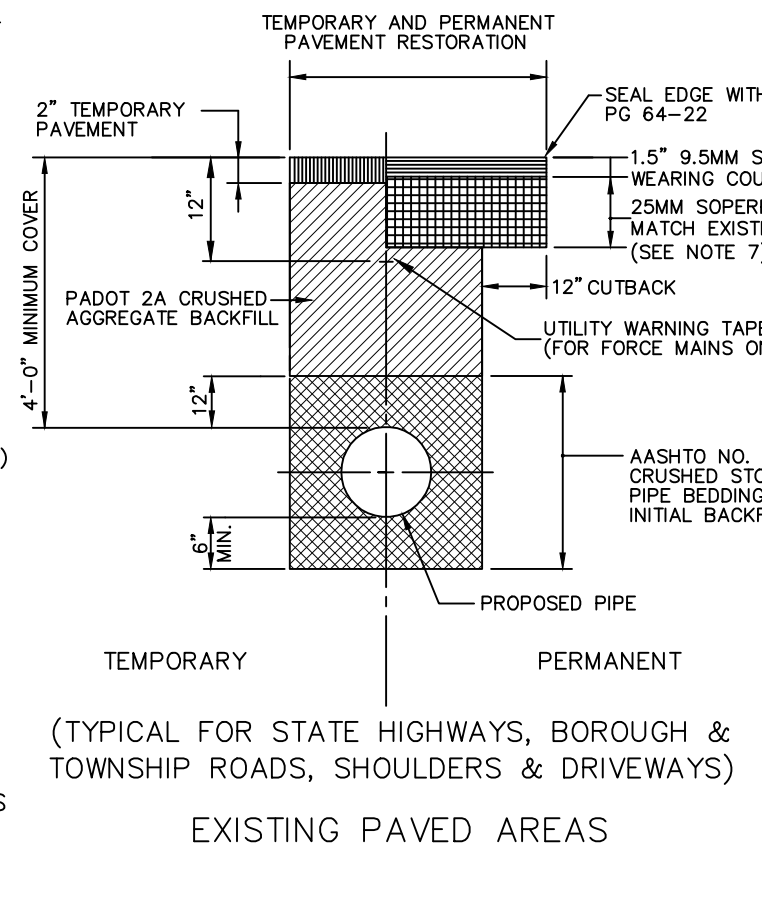


**WATER MAIN UTILITY CROSSING DETAIL**  
NO SCALE

- TRENCH NOTES**
- 1 IF UNSUITABLE SUBSOIL IS ENCOUNTERED AT THE NORMAL TRENCH SUBGRADE, THE CONTRACTOR SHALL REMOVE IT TO THE DEPTH DIRECTED BY THE ENGINEER IN THE FIELD, AND BACKFILL W/ CLASS A BEDDING IN 4" LAYERS.
  - 2 BOTTOM OF TRENCH SHALL BE FREE OF WATER PRIOR TO WATER MAIN INSTALLATION.
  - 3 TAMP IN 4" LAYERS. IF VIBRATORY COMPACTION EQUIPMENT IS USED, BACKFILL MAYBE IN 8" LAYERS.
  - 4 PROVIDE 4" OF TOPSOIL WHERE SEEDING IS REQUIRED. SEE NOTE 6 AT GRAVEL DRIVEWAYS.
  - 5 CONTRACTOR SHALL SHORE THE TRENCH IN ACCORDANCE WITH SECTION 02151 OF THE SPECIFICATIONS.
  - 6 GRAVEL AND PAVED DRIVEWAYS TO BE RESTORED IN KIND.
  - 7 WHERE ROAD IS TO BE OVERLAPPED, INSTALL 25MM BASE COURSE TO A DEPTH MATCHING THE EXISTING ADJOINING PAVEMENT



**TYPICAL TRENCH BACKFILL FOR WATER MAINS**  
NO SCALE



**WATER METER VAULT DETAIL**  
NO SCALE

ITEM	DESCRIPTION
(A)	5/8" TIE RODS W/3" x 3" x 3/8" REACTION ANGLE IRON
(B)	6" NRS RESILIENT SEATED, AWWA C509 GATE VALVE
(C)	4" TURBO METER W/ BUILT IN STRAINER
(D)	6" FLANGED ADAPTER BY DRESSER OR SMITH-BLAIR
(E)	6" DOUBLE CHECK VALVE BACKFLOW PREVENTER BY WATTS 709 OR CONBRACO SERIES 40-600
(F)	2" NRS RELIENT SEATED AWWA C509 GATE VALVE
(H)	2" X 2" REDUCER
(I)	1.5" COMPOUND METER
(J)	2" FLANGED ADAPTER
(K)	2" DOUBLE CHECK VALVE BACKFLOW PREVENTER BY WATTS 709 OR CONBRACO SERIES 40-600
(O)	2'-0" SQ. X 4" DEEP SUMP W/ 4" BACKFLOW VALVE EQUAL TO JOSAM 39970
(P)	ALUMINUM LADDER W/BILCO SAFETY EXTENSION
(Q)	3'-0" SQ. ALUM. ACCESS HATCH EQUAL TO HALLIDAY PRODUCTS SIS CENTERED OVER METER
(R)	1" CONDUIT TO REMOTE READ-OUT POST
(S)	REMOTE READOUT
(T)	4" X 4" TREATED LUMBER READOUT POST
(U)	2" DOUBLE CHECK VALVE BACKFLOW PREVENTER BY WATTS 709 OR CONBRACO SERIES 40-600

- NOTES:**
1. CONSTRUCT METERING VAULT AS SHOWN TO MINIMUM DIMENSIONS AND GENERAL CONFIGURATION.
  2. PROVIDE PIPE SUPPORTS, TIE RODS, ANCHORS AND THRUST BRACING AT FITTINGS AND VALVES SUFFICIENT TO ALLOW PIPING TO STAND WITH REMOVAL OF METERS. FRICTION CLAMPS ARE NOT PERMITTED FOR RESTRAINT OF PIPING SYSTEMS.
  3. ALL VALVES AND BACK FLOW PREVENTORS TO BE MAINTAINED BY CUSTOMER.
  4. TIE RODS TO BE EMBEDDED IN CONCRETE OR BOLTED TO STEEL ON PLATES ON EXTERIOR WALLS. THE AUTHORITY SHALL INSPECT BEFORE BACKFILLING. AS AN ALTERNATE, A MEGA-LUG MAY BE UTILIZED ON THE INSIDE OF THE PIT AS RESTRAINT.
  5. VAULT SHALL BE DESIGNED TO WITHSTAND AASHTO H20 TRAFFIC LOADING.
  6. SLOPE FLOOR TO SUMP USING GROUT.
  7. CONCRETE STRUCTURE SHALL MEET REQUIREMENTS OF ASTM C478. DESIGN SHALL COMPLY WITH ACI 318. COMPRESSIVE STRENGTH SHALL BE 4,000 PSI AT 28 DAYS MINIMUM.
  8. CONTRACTOR HAS OPTION TO CONSTRUCT METER VAULT USING PRECAST OR REINFORCED CAST IN PLACE CONCRETE.
  9. ALL METERS ABOVE 2" IN SIZE SHALL BE SECURED PRIVATELY BY THE CONTRACTOR AND ALL SPECIFICATIONS PROVIDED TO THE AUTHORITY FOR APPROVAL.

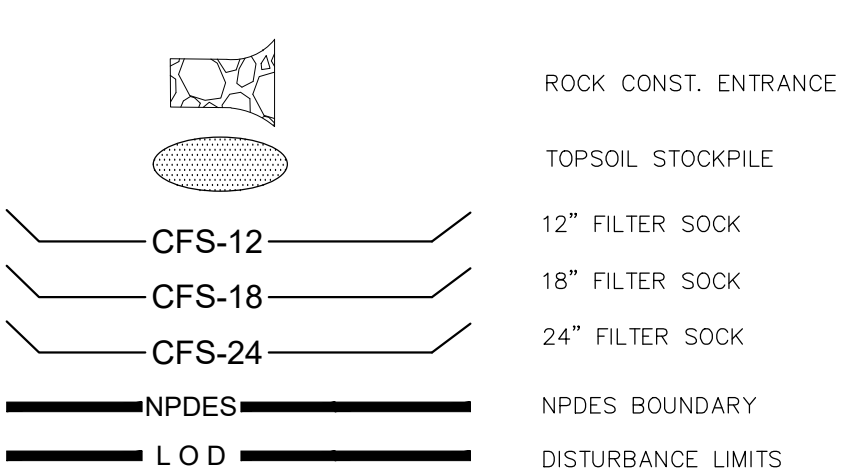
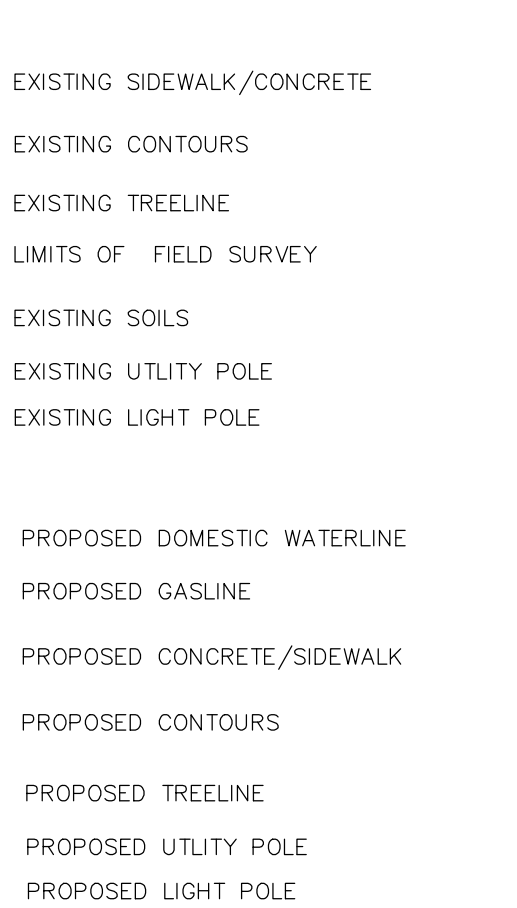
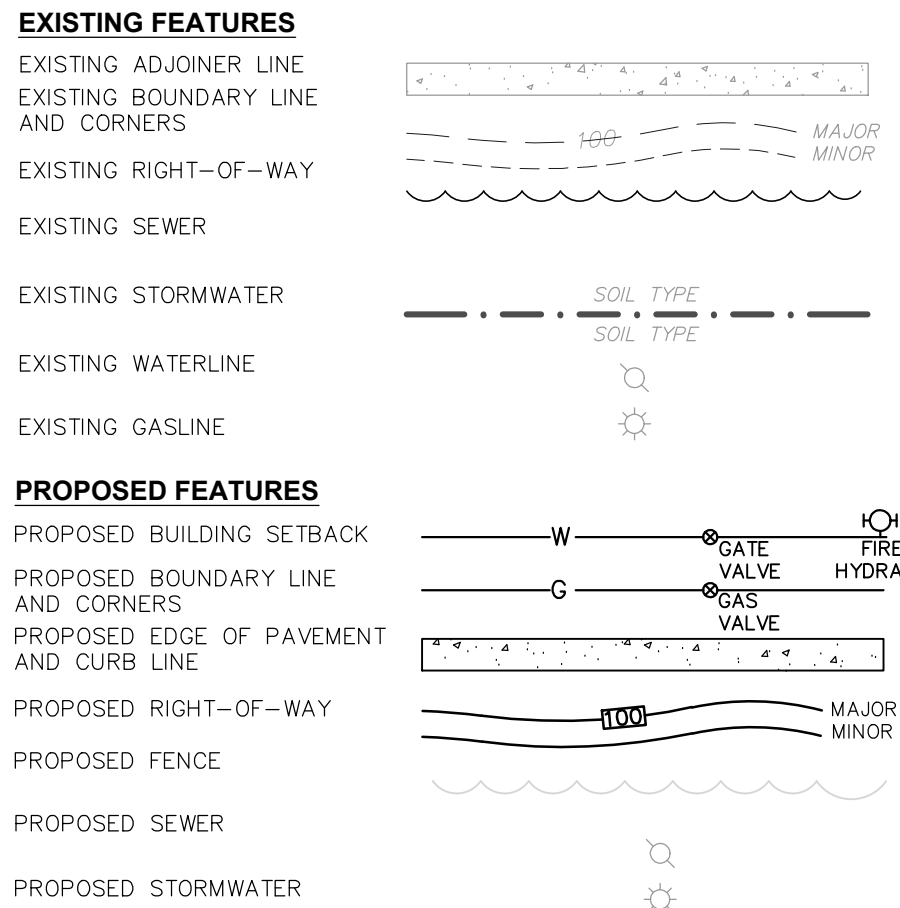
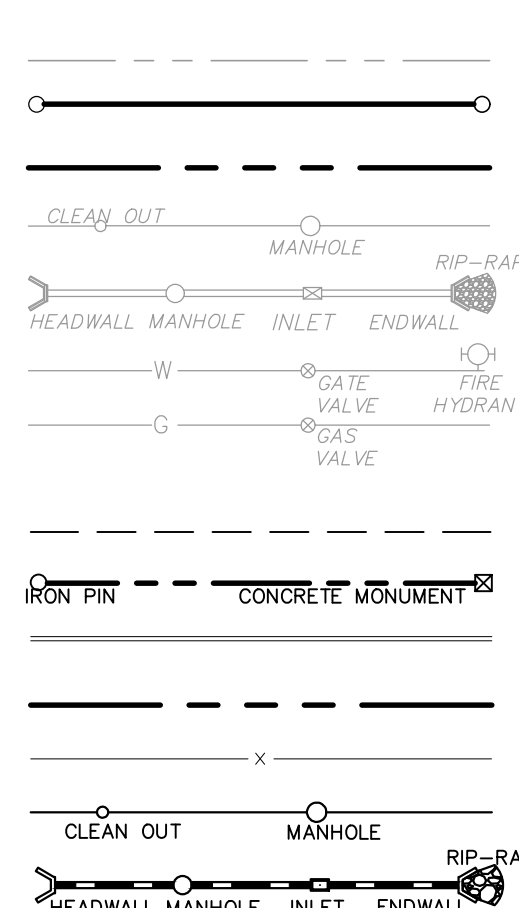
**WATER DETAILS**  
 PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

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

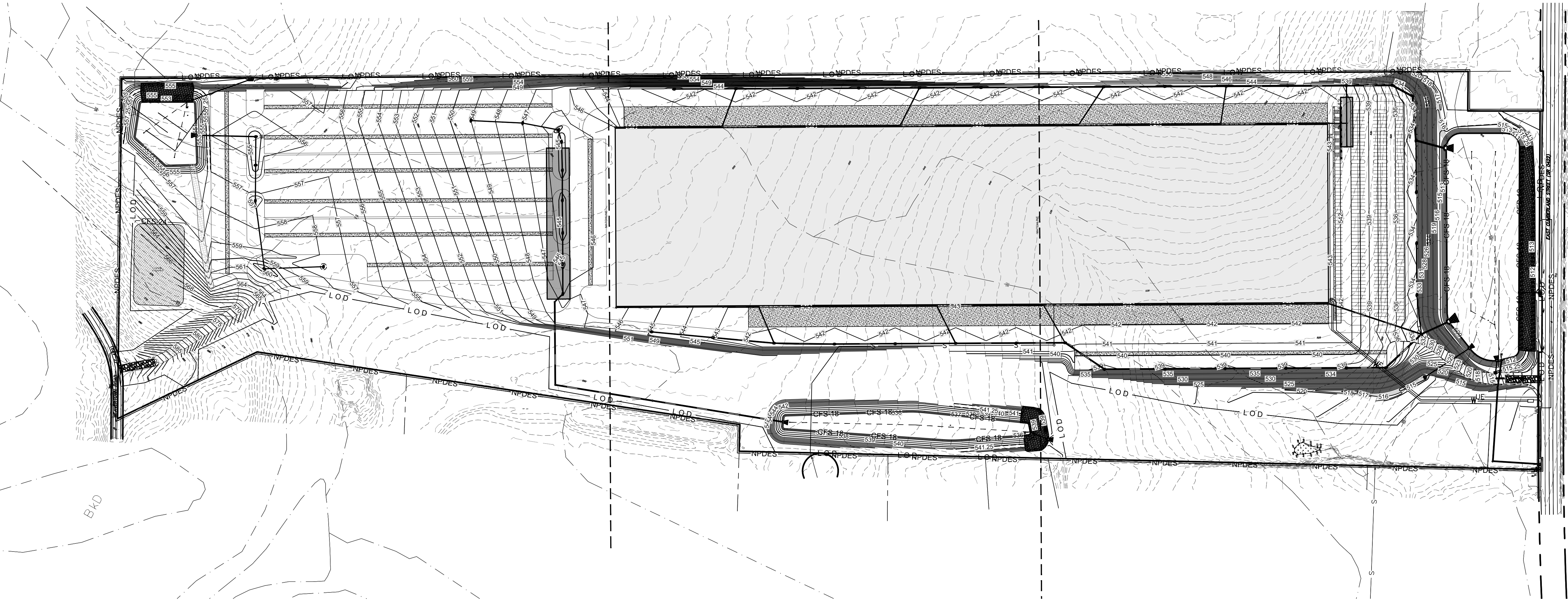
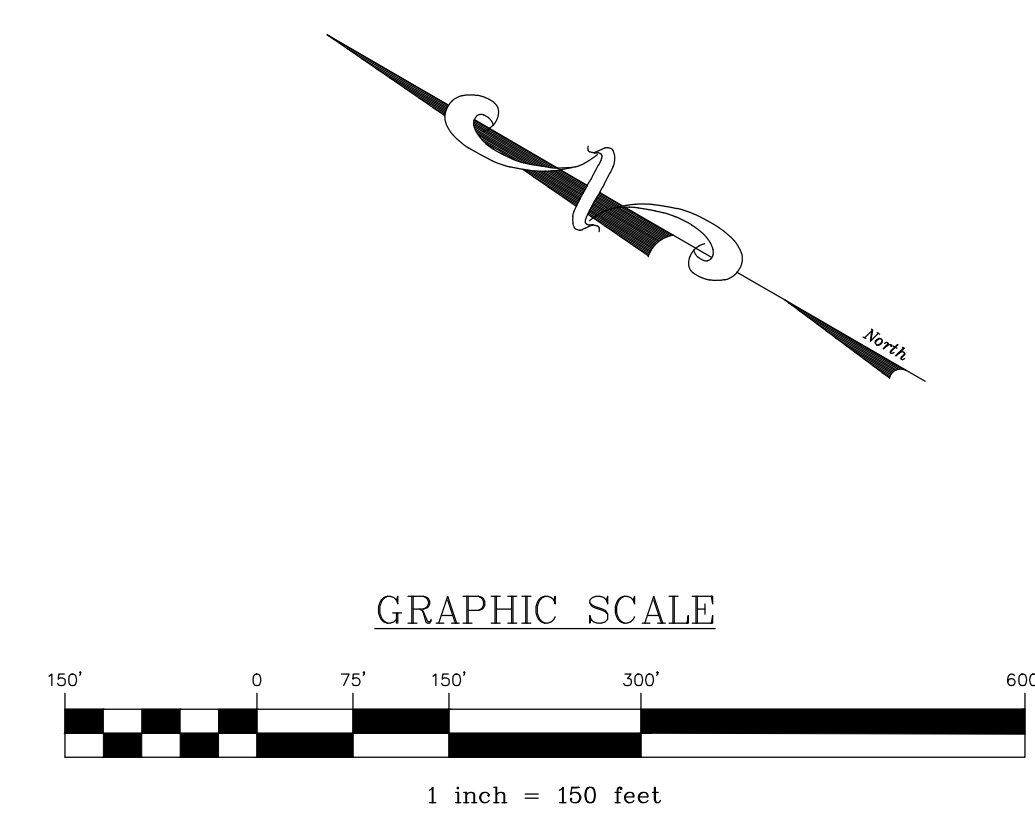
FIELD CREW: TB/SS  
 BASE MAP: MA  
 DRAWN: CDS  
 DESIGN: CDS  
 CHECKED: SS  
 DATE: 08-05-22  
 SCALE: 1"=50'  
 PROJECT #2214-22-001

**LEGEND**

**E&S LEGEND**



SOIL DATA			
Map Symbol	Soil Name	Slope	Hydrologic Group
BeB	Bedington shaly silt loam	3-8%	B
BkB	Berks channery silt loam	3-8%	B
BkC	Berks channery silt loam	8-15%	B
BkD	Berks channery silt loam	15-25%	B
CkA	Clarksburg silt loam	0-3%	C
CmA	Comly silt loam	0-3%	C
DfB	Duffield silt loam	3-8%	B
ThA	Thorndale silt loam	0-3%	C/D
ThB	Thorndale silt loam	3-8%	C/D



REVISION	DATE	BY

**OVERALL EROSION AND SEDIMENT POLLUTION CONTROL PLAN**  
 PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

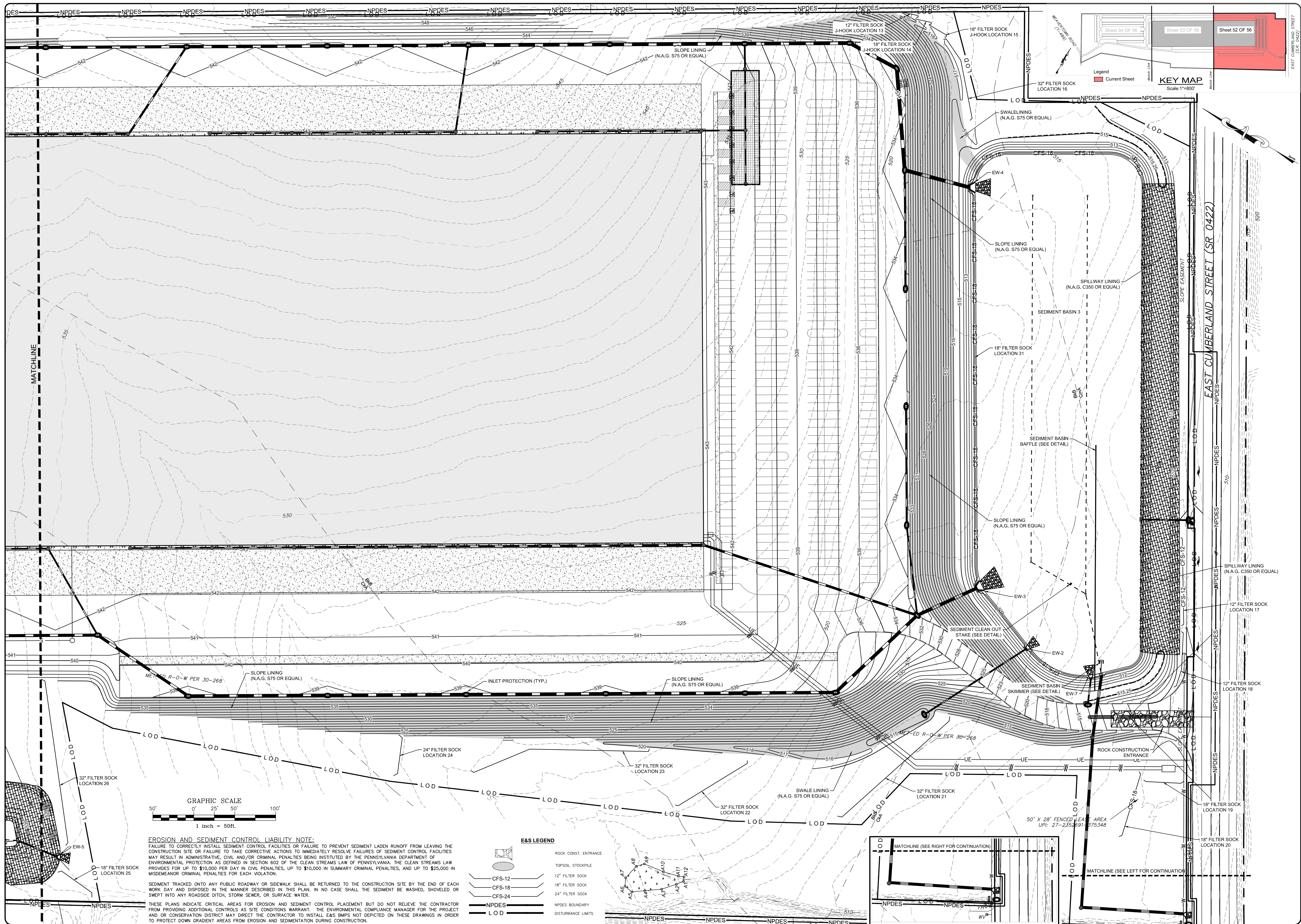
Steadbeck Engineering & Surveying Inc.  
 279 Lebanon, Pennsylvania 17042  
 Phone: (717) 272-7110  
 Fax: (717) 272-7348

**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.

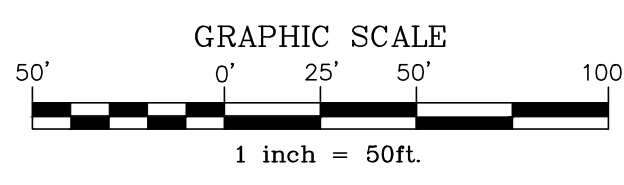
FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=150'
PROJECT #	#2214-22-001



Sheet 54 OF 56    Sheet 53 OF 56    Sheet 52 OF 56

Legend: Current Sheet

**KEY MAP**  
Scale: 1"=800'



**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.

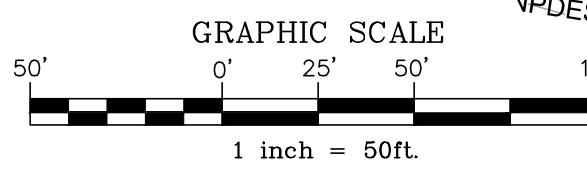
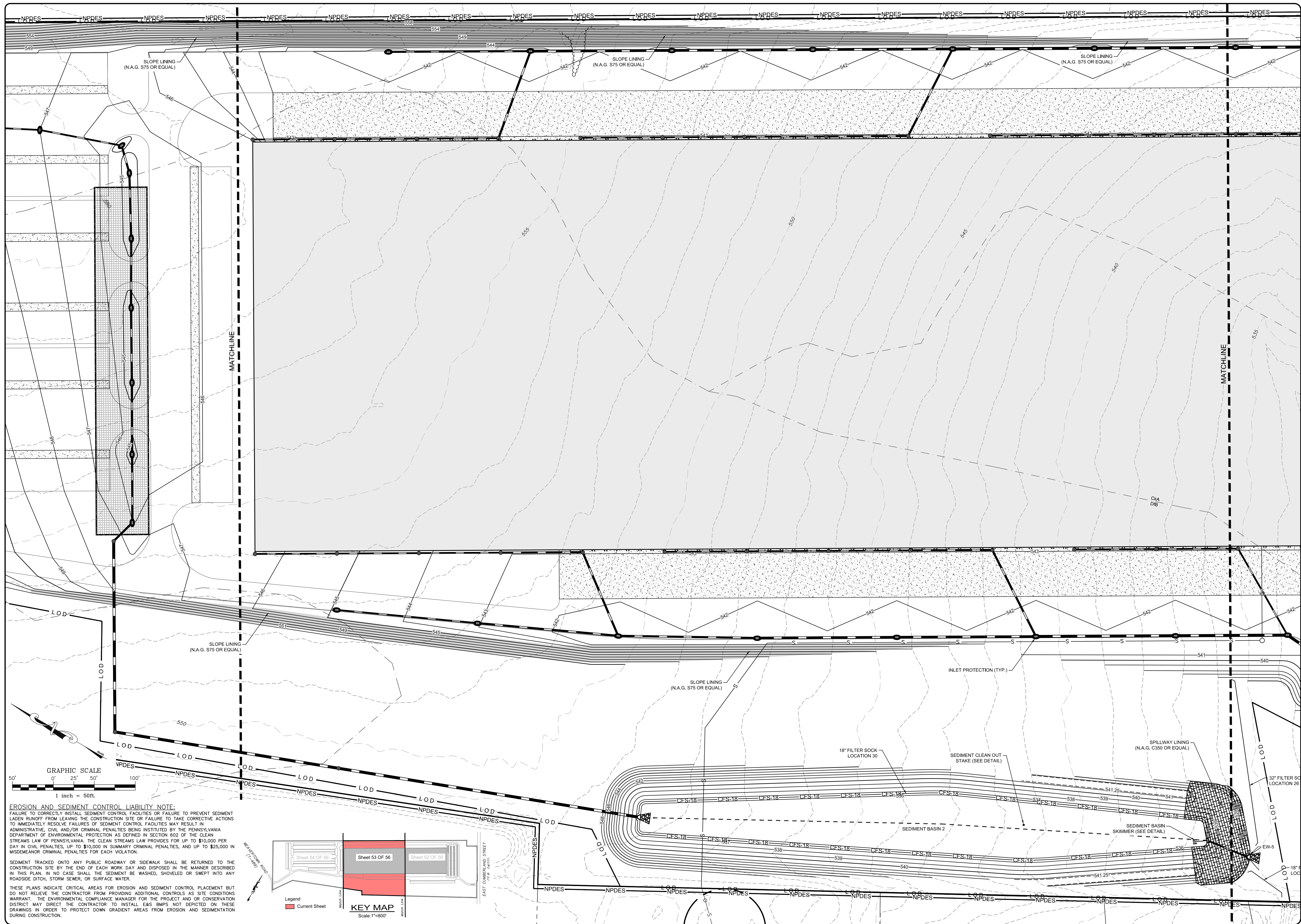
- E&S LEGEND**
- ROCK CONST. ENTRANCE
  - TOPSOIL STOCKPILE
  - 12" FILTER SOCK
  - 18" FILTER SOCK
  - 24" FILTER SOCK
  - 32" FILTER SOCK
  - NPDES BOUNDARY
  - LOD
  - DISTURBANCE LIMITS

REVISION	DATE	BY

**EROSION AND SEDIMENT POLLUTION CONTROL PLAN**  
PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
located in  
North Lebanon Township  
Lebanon County, Pennsylvania

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

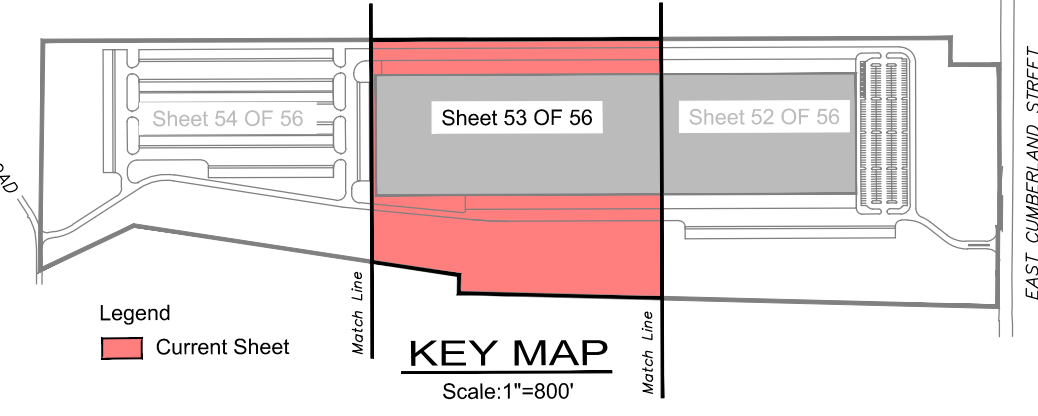
FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	#2214-22-001



**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 EAS BMPs NOT DEPICTED ON THESE DRAWINGS IN ORDER TO PROTECT DOWN GRADIENT AREAS FROM EROSION AND SEDIMENTATION DURING CONSTRUCTION.

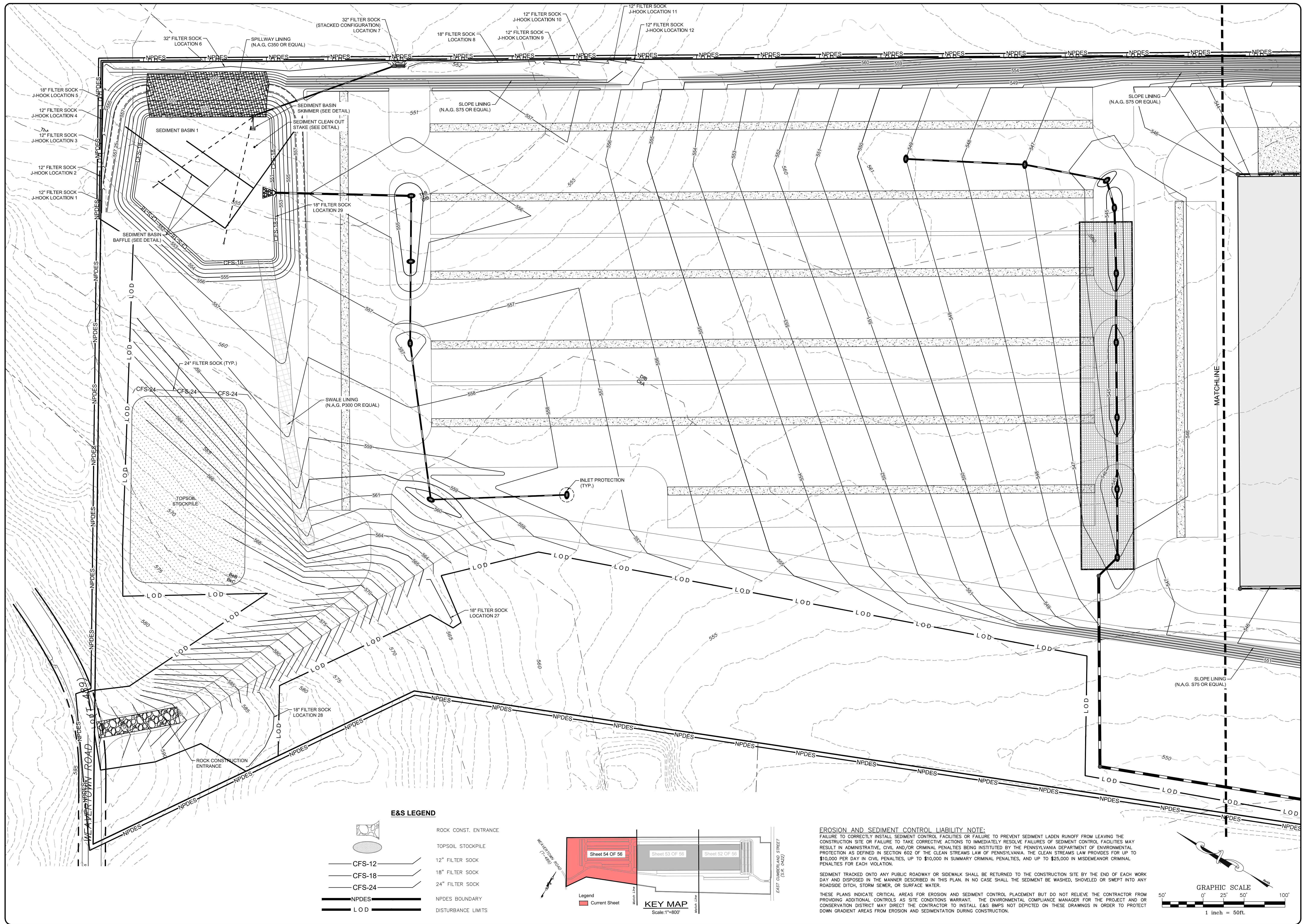


BY	---
DATE	---

REVISION	DATE	BY
---	---	---
---	---	---
---	---	---
---	---	---

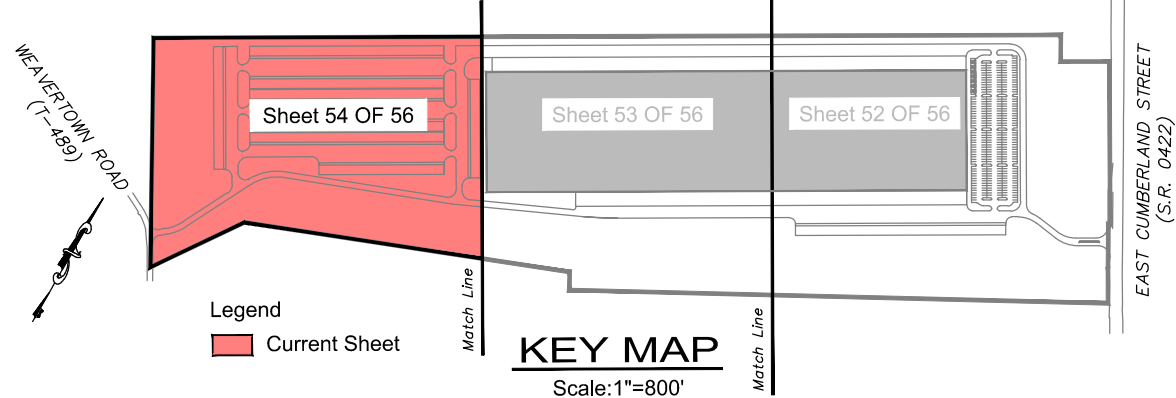
**EROSION AND SEDIMENT POLLUTION CONTROL PLAN**  
**PRELIMINARY/FINAL LAND DEVELOPMENT PLAN**  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	2214-22-001



**E&S LEGEND**

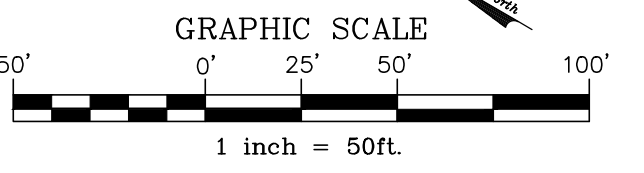
- ROCK CONST. ENTRANCE
- TOPSOIL STOCKPILE
- CFS-12
- CFS-18
- CFS-24
- NPDES
- LOD
- 12" FILTER SOCK
- 18" FILTER SOCK
- 24" FILTER SOCK
- NPDES BOUNDARY
- DISTURBANCE LIMITS



**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.



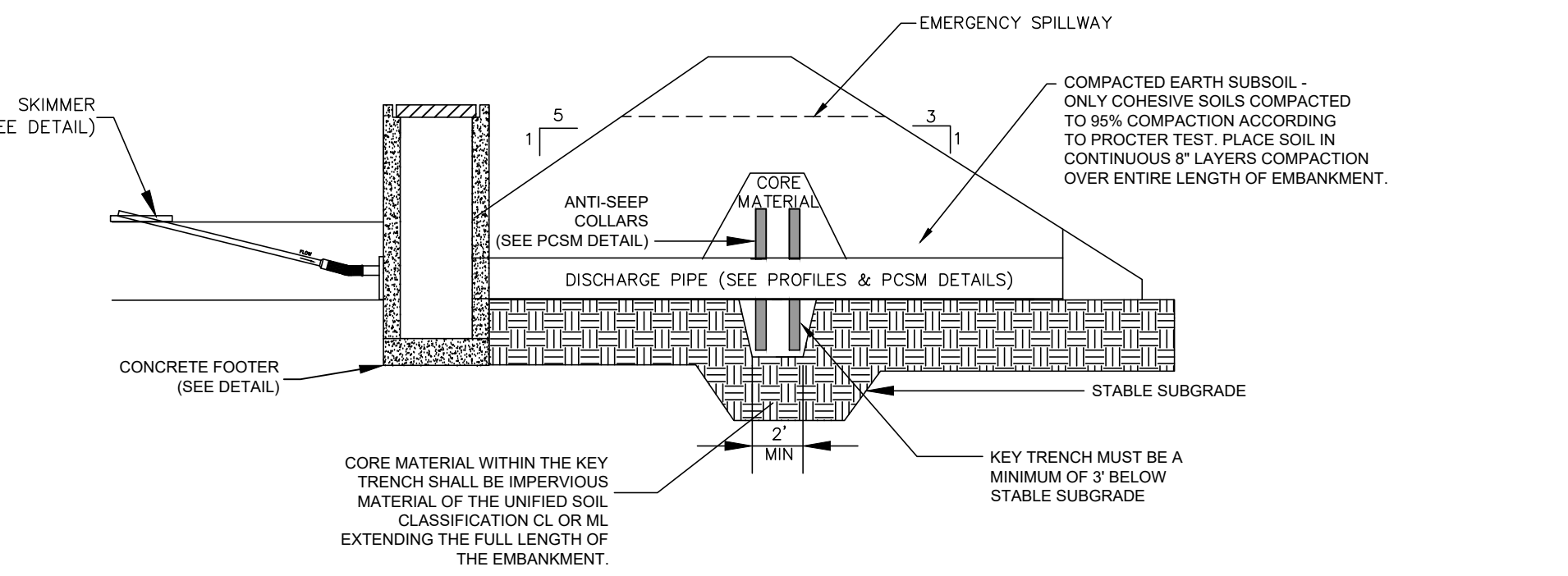
REVISION	DATE	BY

**EROSION AND SEDIMENT POLLUTION CONTROL PLAN**  
 PRELIMINARY/FINAL LAND DEVELOPMENT PLAN  
 For  
**NLT WAREHOUSE AND TRAILER STORAGE**  
 located in  
 North Lebanon Township  
 Lebanon County, Pennsylvania

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

FIELD CREW:	TB/SS
BASE MAP:	MA
DRAWN:	CDS
DESIGN:	CDS
CHECKED:	SS
DATE:	08-05-22
SCALE:	1"=50'
PROJECT #	#214-22-001



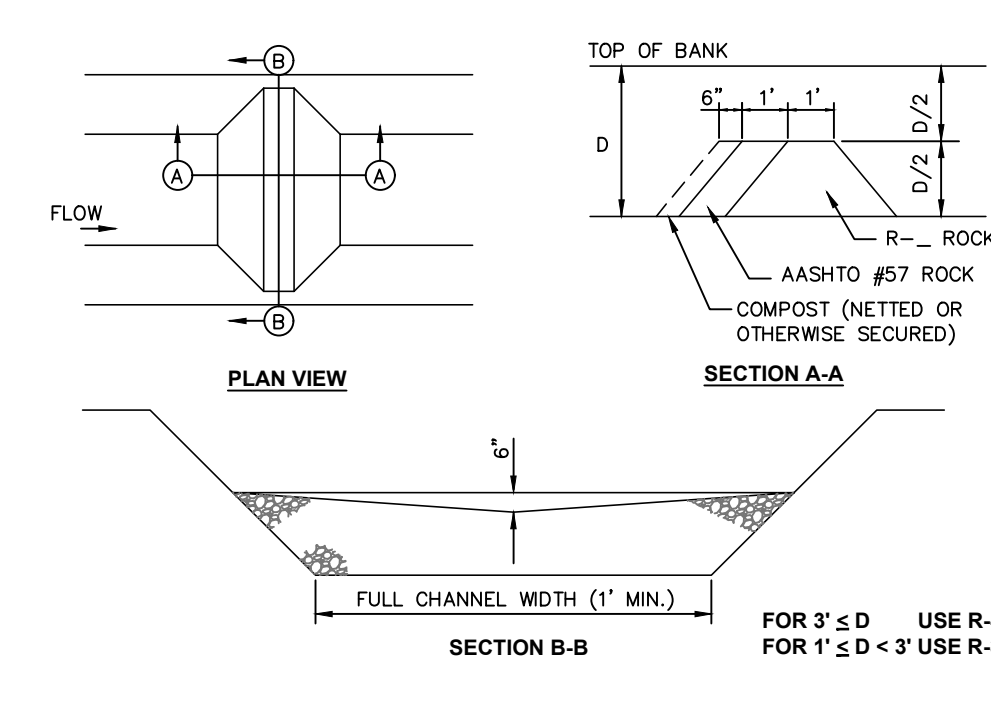


SEDIMENT BASIN DESIGN CHART

BASIN	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 BARRIER
1	551.00	551.00	555.25	555.95	15	550.00	549.25	178	--	YES	NO
2	536.00	536.00	539.25	539.25	18	535.50	535.00	52	--	YES	NO
3	509.00	509.00	512.50	513.90	2x18	508.00	504.50	370	--	YES	NO

**SEDIMENT BASIN W/ SKIMMER DETAIL**

NO SCALE



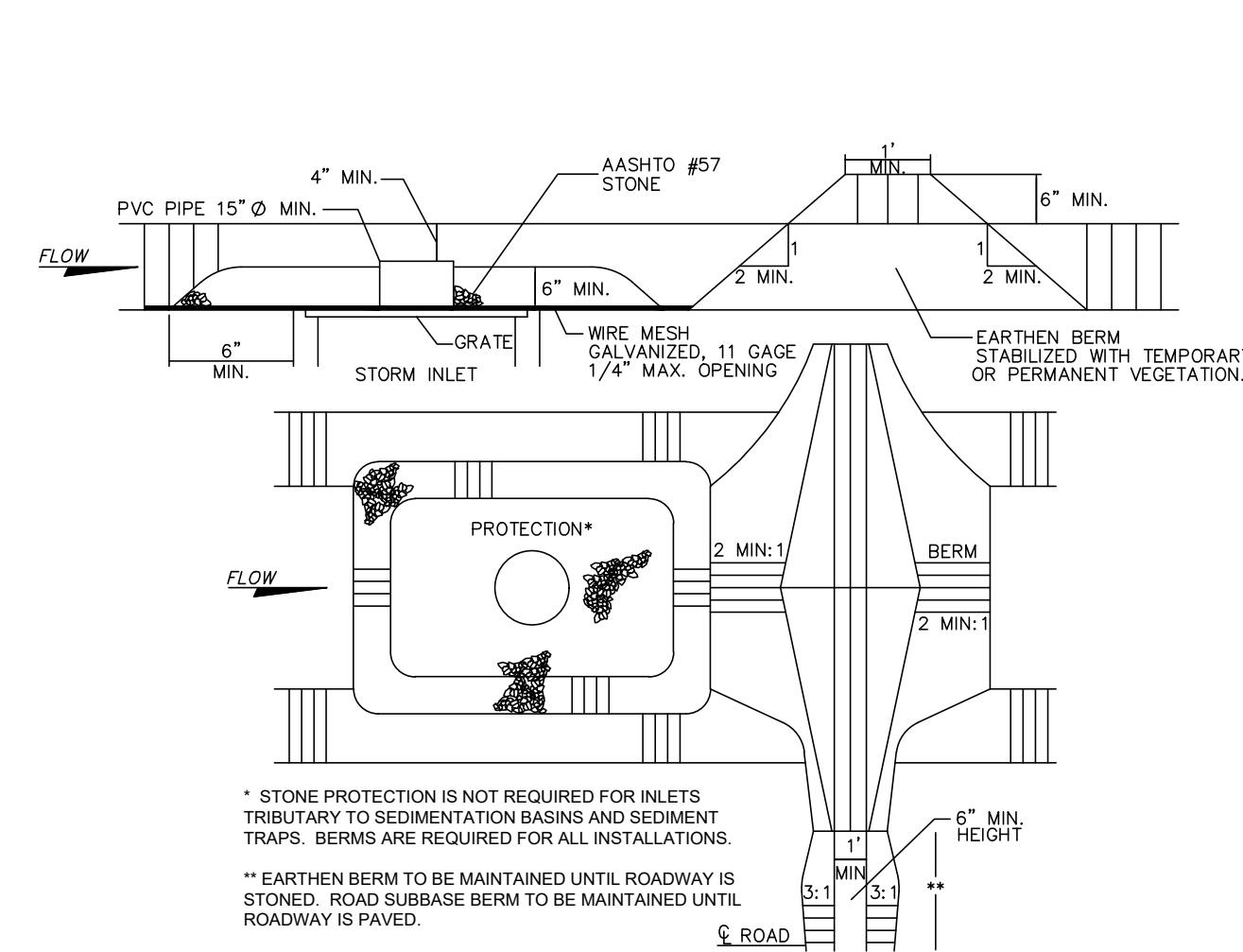
ROCK FILTER NO. LOCATION D (FT) RIPRAP SIZE

1	EXISTING FES - SW CORNER	2	R-3
2	EXISTING FES - SW CORNER	2	R-3

Sediment must be removed when accumulations reach 1/2 the height of the filters. Immediately upon stabilization of each channel, remove accumulated sediment, remove Rock Filter, and stabilize disturbed areas.

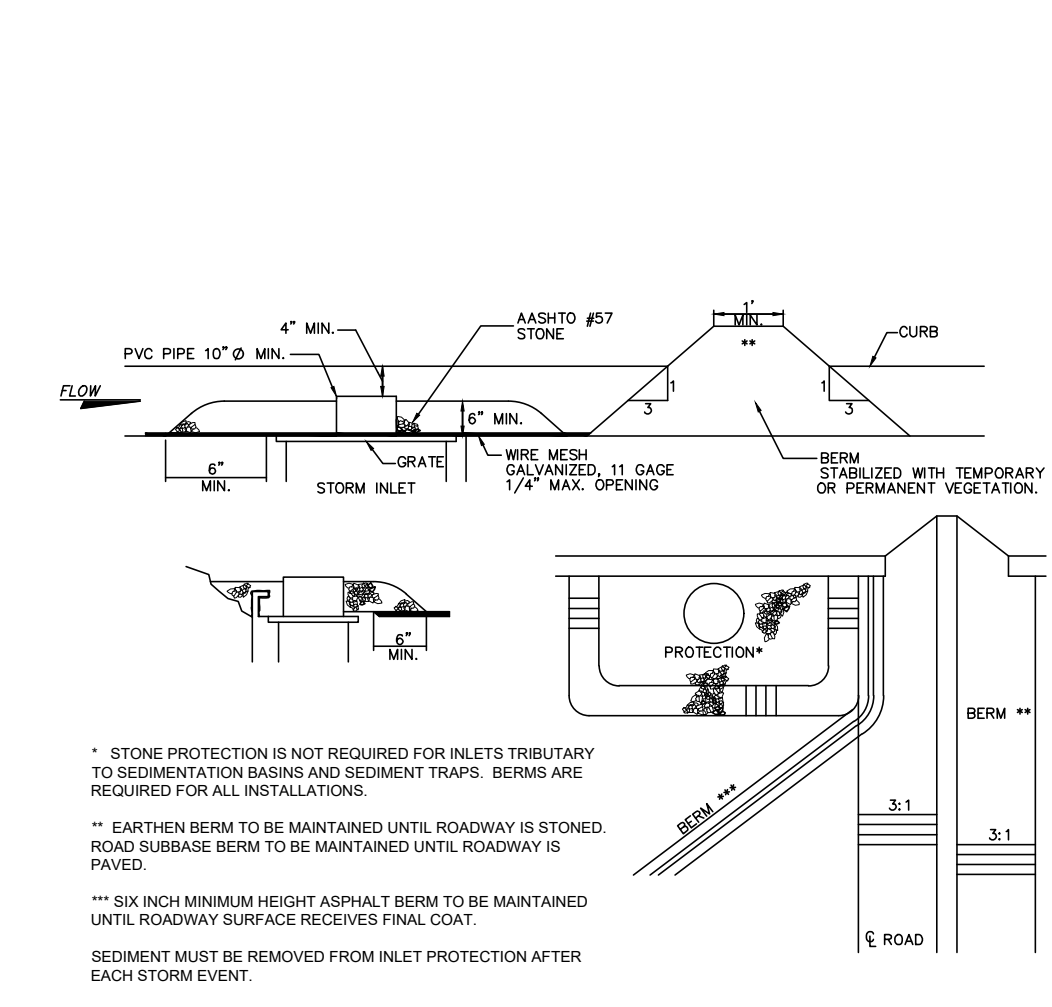
**ROCK FILTER DETAIL**

NO SCALE



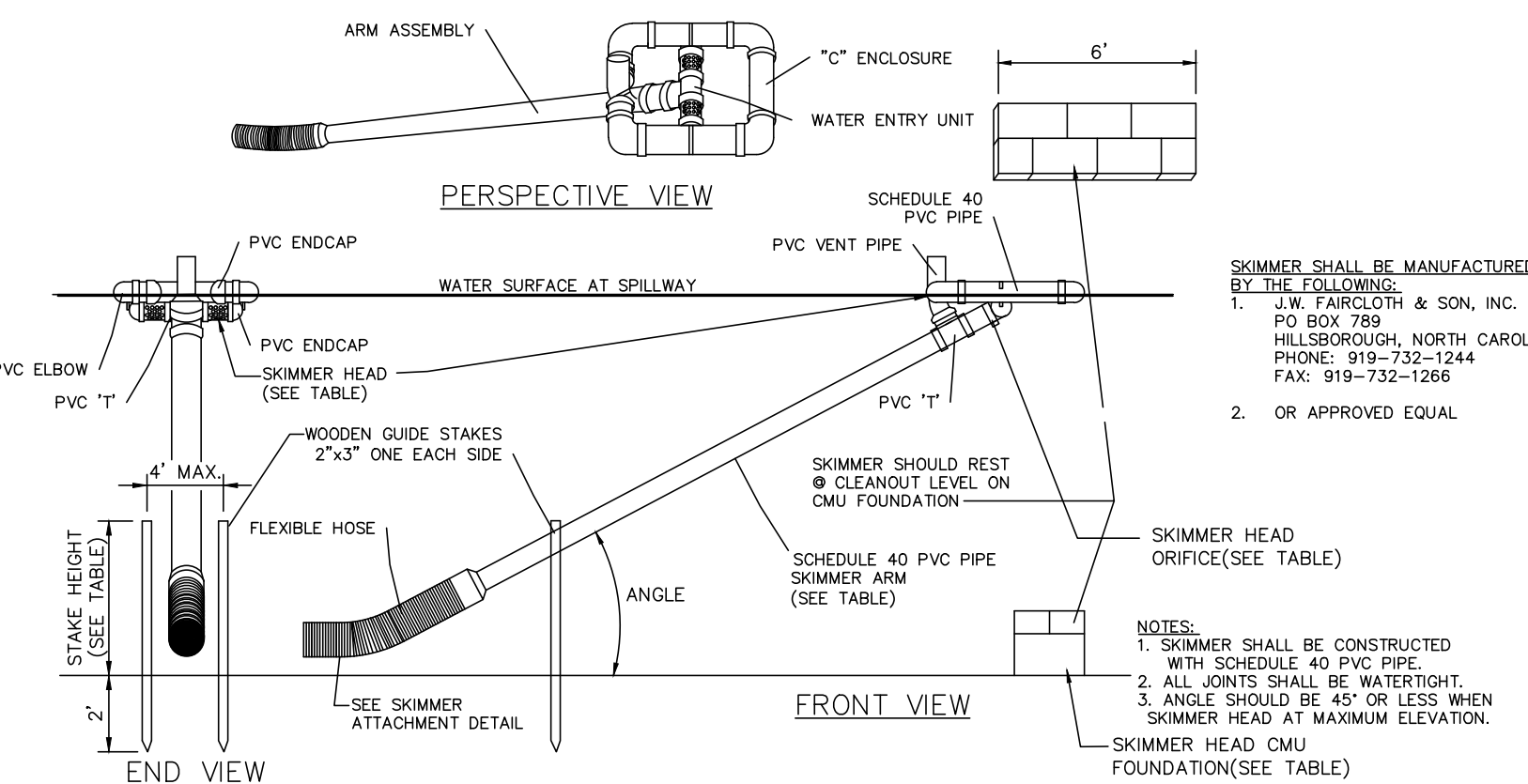
**SWALE OR GRASS INLET PROTECTION DETAIL**

NO SCALE



**CURBED ROADWAY INLET PROTECTION DETAIL**

NO SCALE

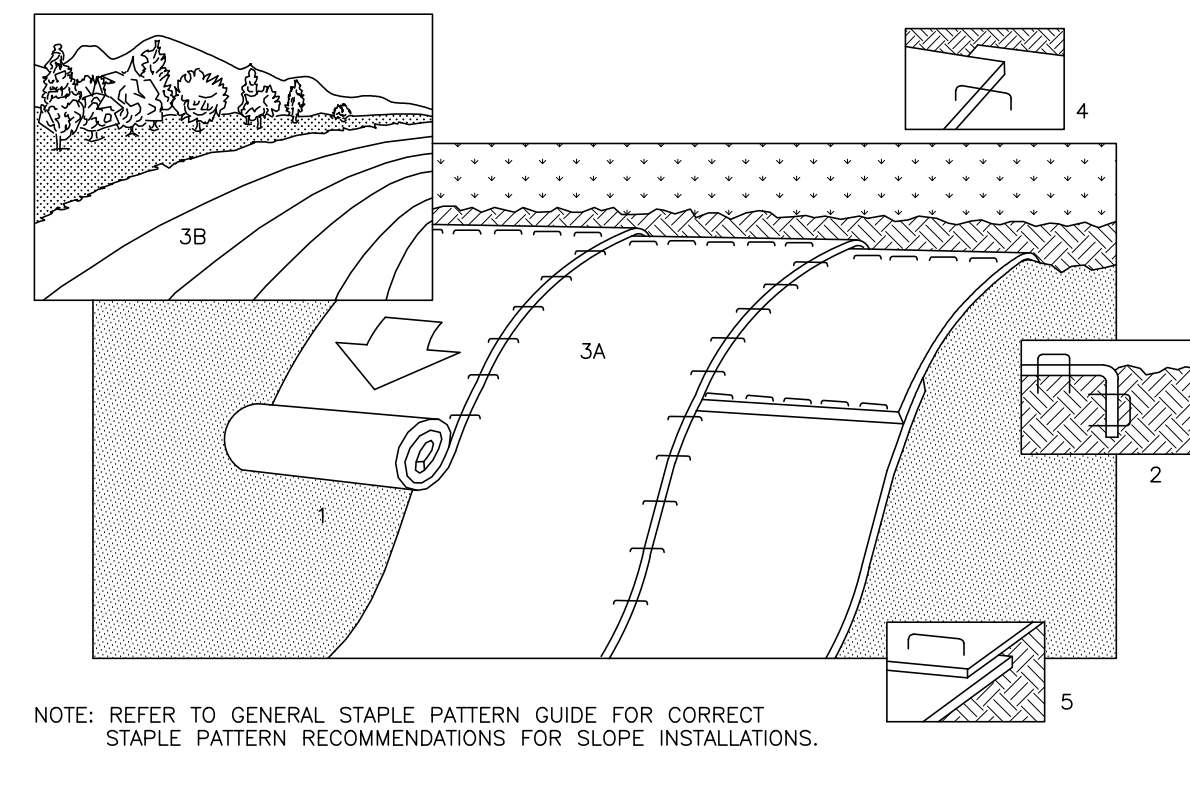


SKIMMER DESIGN CHART

BASIN	SKIMMER ARM		SKIMMER HEAD		SKIMMER HEAD CMU		HEIGHT	WOODEN STAKES HEIGHT
	LENGTH	PIPE	PIPE DIA.	ORIFICE	BOTTOM	TOP ELEV.		
1	10'	5"	4.6"	4.6"	551.00	552.00	1	5.0
2	10'	6"	5.3"	5.3"	536.00	537.00	1	4.0
3	10'	8"	8"	8"	509.50	510.00	1	5.0

**E&S SKIMMER OUTLET DETAIL**

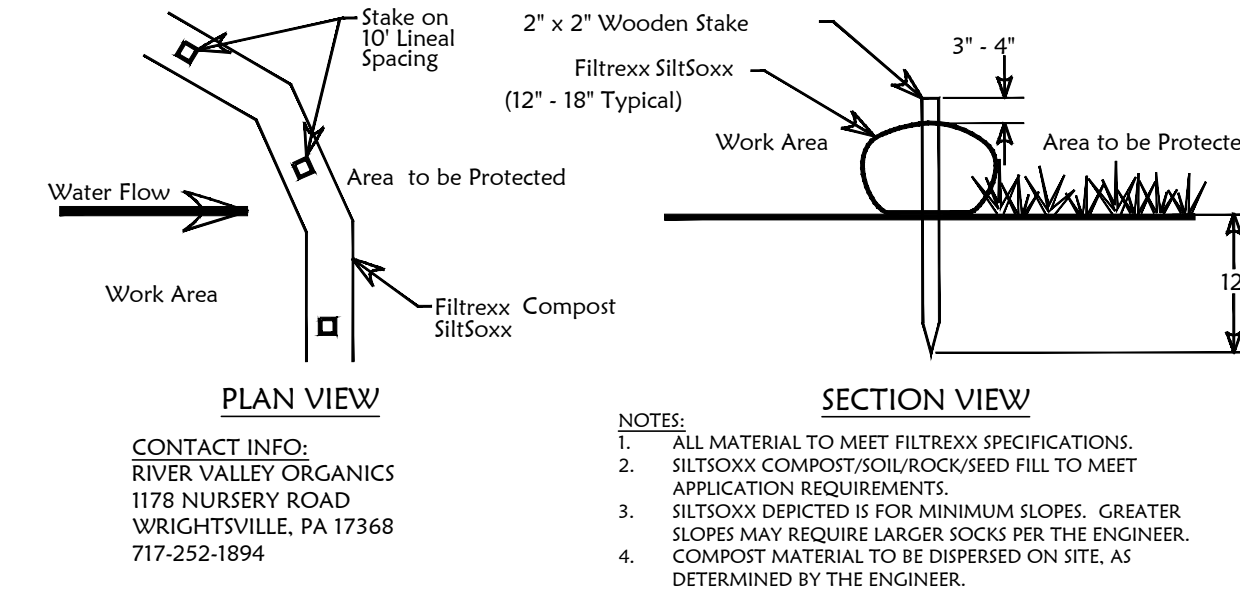
NO SCALE



1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
5. 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**

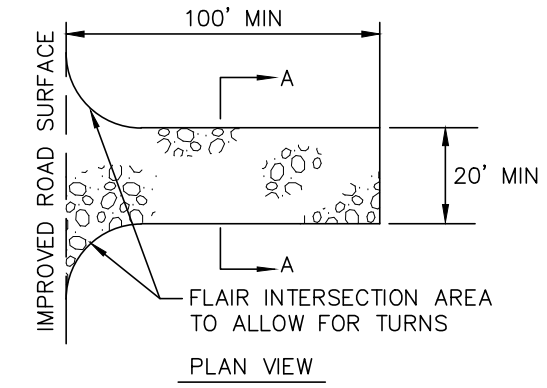
NO SCALE



- CONTACT INFO: RIVER VALLEY ORGANICS 1176 NURSERY ROAD WRIGHTSVILLE, PA 17368 717-252-1894
- NOTE: REFER TO GENERAL STAPLE PATTERN GUIDE FOR CORRECT STAPLE PATTERN RECOMMENDATIONS FOR SLOPE INSTALLATIONS.
1. ALL MATERIAL TO MEET FILTER SOCK SPECIFICATIONS.
  2. SILT SOCKS COMPOST/SILT SOCKS FILL TO MEET APPLICATION REQUIREMENTS.
  3. SILT SOCKS DEPLECTED IS FOR MINIMUM SLOPES. CASTER SLOPES MAY REQUIRE LARGER SOCKS PER THE ENGINEER.
  4. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.

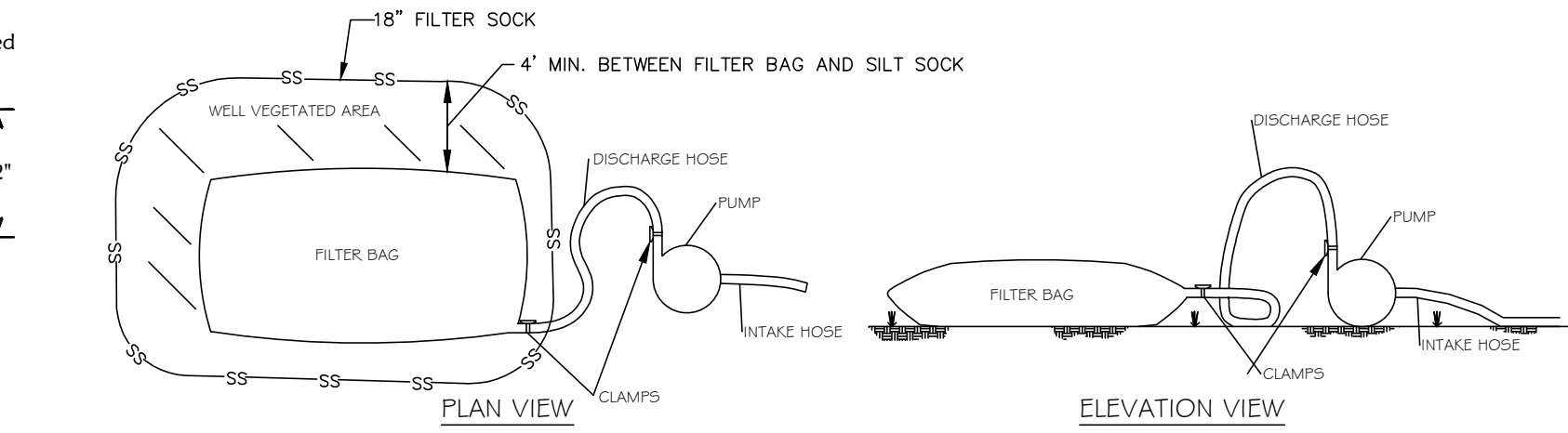
**FILTER SOCK DETAIL**

NO SCALE



**STABILIZED CONSTRUCTION ENTRANCE**

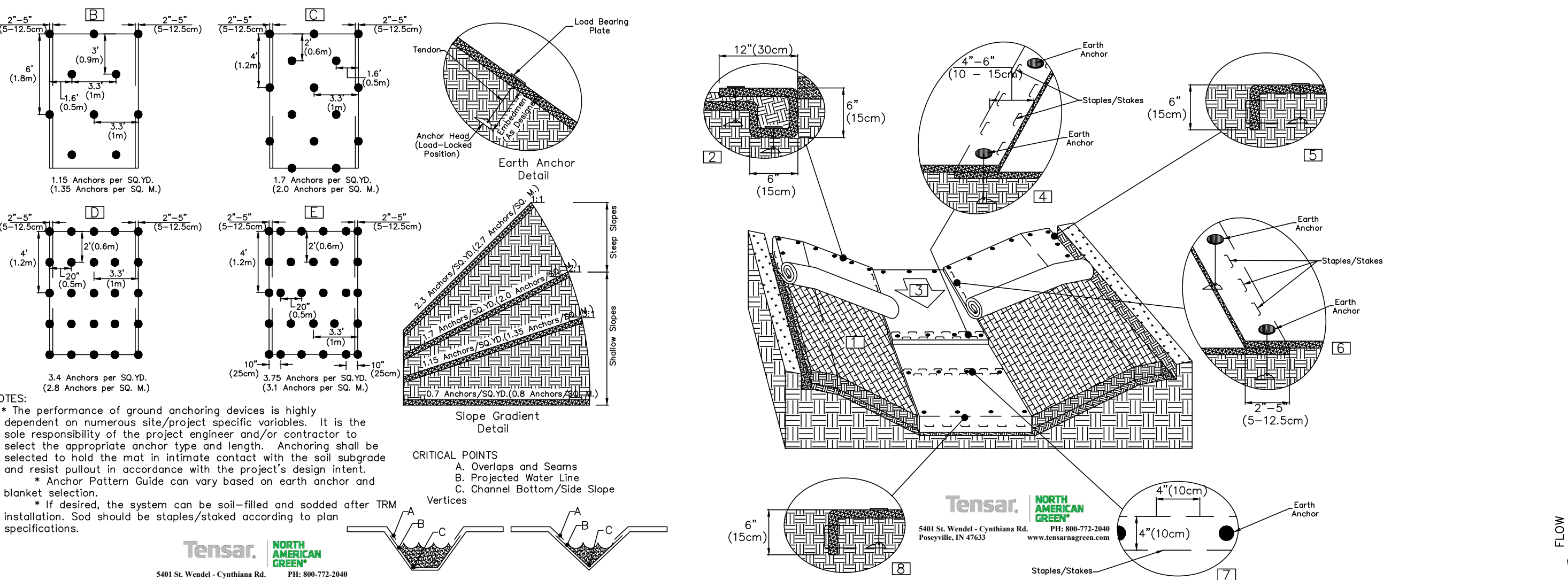
NO SCALE



1. FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH DOUBLE-STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS.
2. A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES MUST BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED.
3. BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE FLOW PATH SHALL BE PROVIDED. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%.
4. THE PUMP/ DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED.
5. THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/4 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHOULD BE FLOATING AND SCREENED.
6. FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

**PUMPED WATER FILTER BAG**

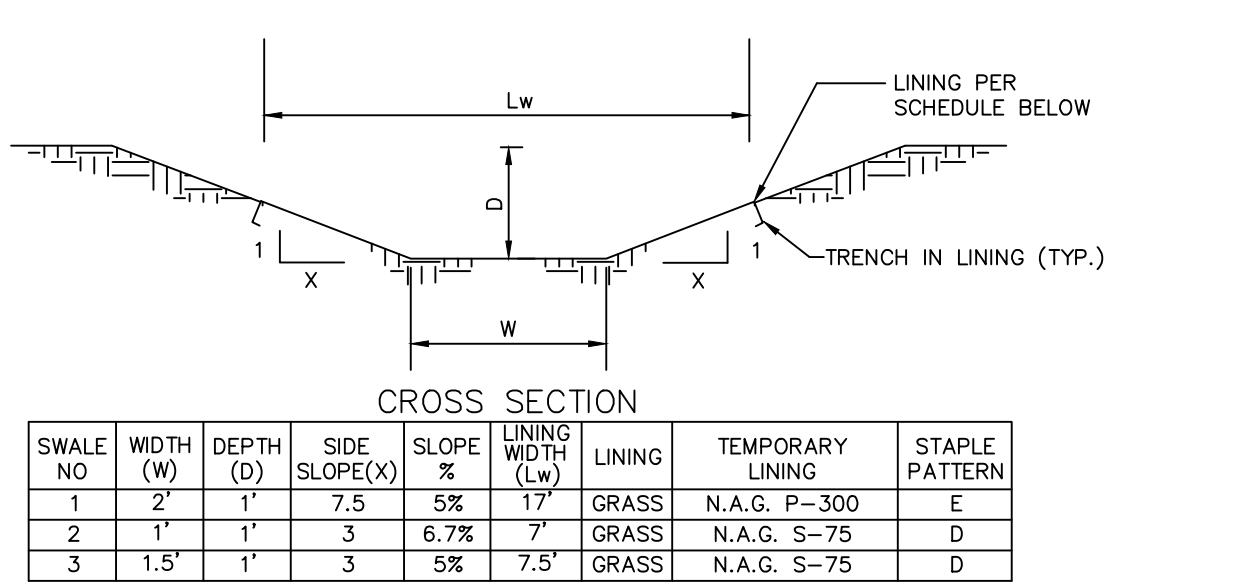
NO SCALE



1. PREPARE SOIL BEFORE INSTALLING TRM, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE TRM IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30 CM) OF TRM EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. USE SHOREMATE 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.
3. 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.
4. 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.
5. 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" (15 CM) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
6. ADJACENT TRM MUST BE OVERLAPPED APPROXIMATELY 2" - 5" (5 CM - 12.5 CM) (DEPENDENT ON TRM TYPE) AND FASTENED.
7. 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" (10 CM) ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL.
8. 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.

**CHANNEL INSTALLATION EARTH ANCHOR DETAIL**

NO SCALE

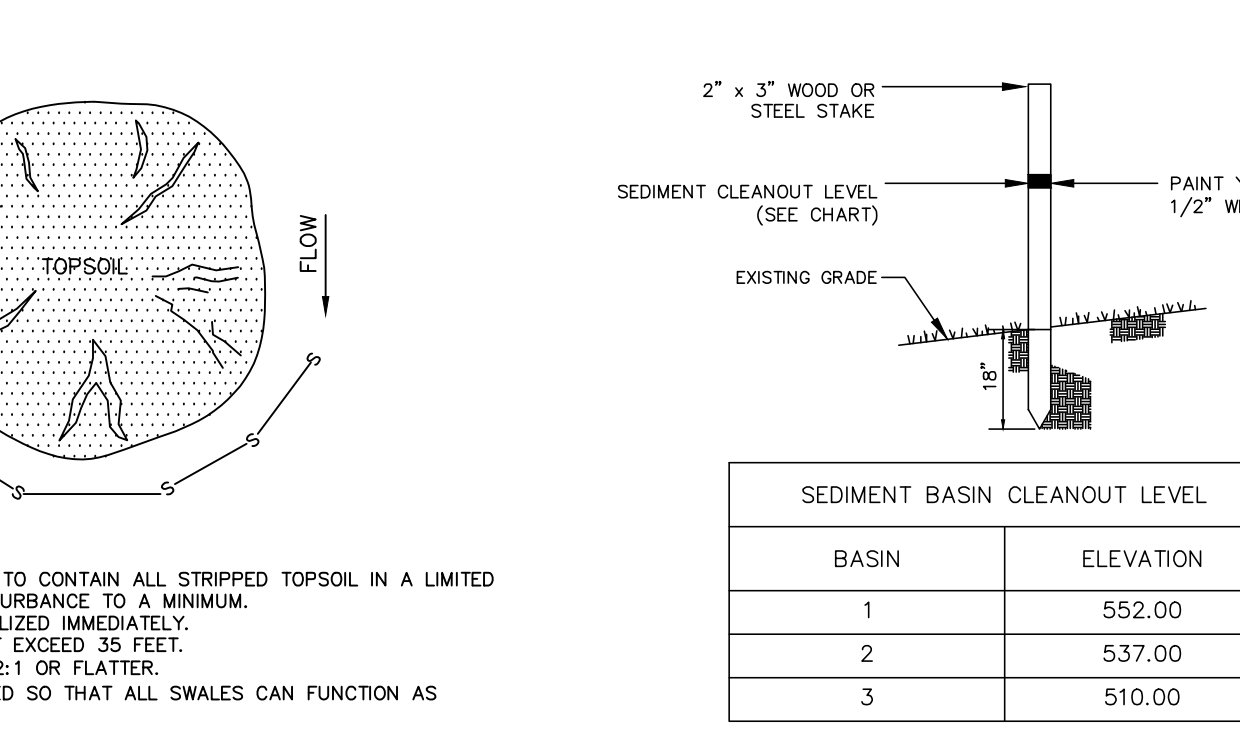


CROSS SECTION

SWALE NO.	WIDTH (W)	DEPTH (D)	SIDE SLOPE (X)	SLOPE %	LINING WIDTH (Lw)	LINING	TEMPORARY LINING	STAPLE PATTERN
1	2'	1'	7.5	5%	17"	GRASS	N.A.G. P-300	E
2	1'	1'	3	6.7%	7"	GRASS	N.A.G. S-75	D
3	1.5'	1'	3	5%	7.5"	GRASS	N.A.G. S-75	D

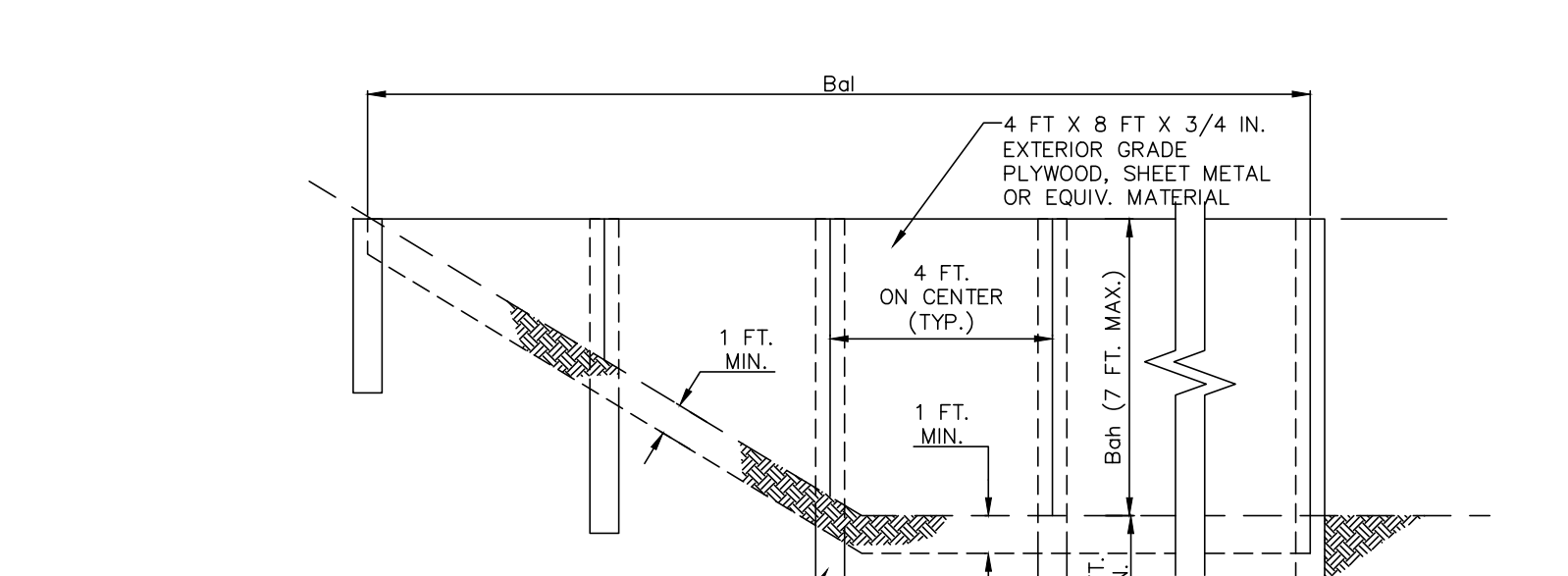
**STORMWATER SWALE DETAIL**

NO SCALE



**TOPSOIL STOCKPILE**

NO SCALE

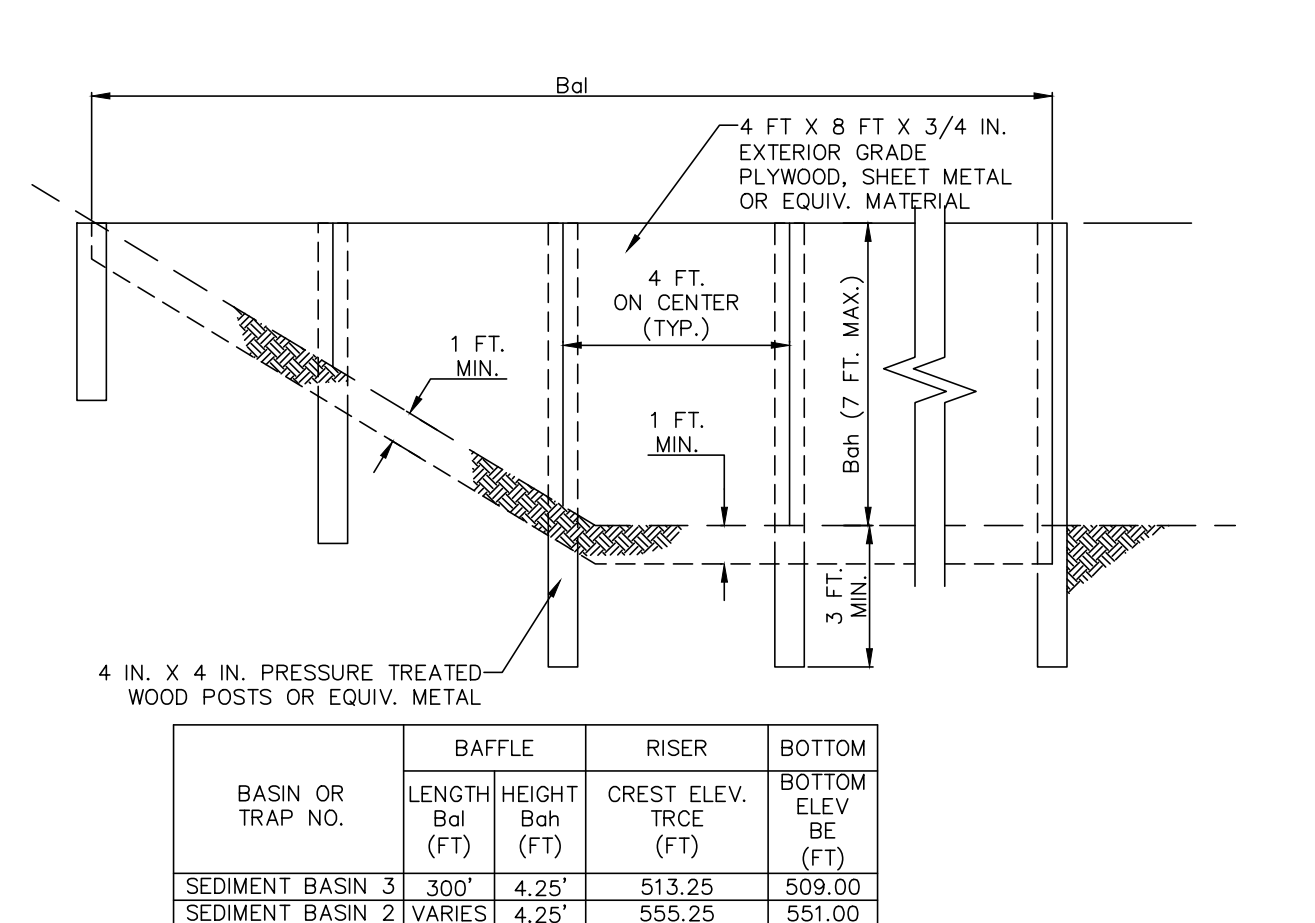


SEDIMENT BASIN CLEANOUT LEVEL

BASIN	ELEVATION
1	552.00
2	537.00
3	510.00

**CLEANOUT STAKE DETAIL**

NO SCALE



STANDARD CONSTRUCTION DETAIL #7-14 BAFFLE

BASIN OR TRAP NO.	BAFFLE LENGTH (FT)	BAFFLE HEIGHT (FT)	RISER CREST ELEV. (FT)	BOTTOM ELEV. (FT)
3	300'	4.25'	513.25	509.00
2	VARIABLE	4.25'	555.25	551.00

**SEDIMENT BASIN BAFFLE DETAIL**

NO SCALE

BY	DATE

REVISION	DATE	DESCRIPTION

NO.	DATE	DESCRIPTION

**EROSION AND SEDIMENT POLLUTION CONTROL DETAILS**

PRELIMINARY/FINAL LAND DEVELOPMENT PLAN for NLT WAREHOUSE AND TRAILER STORAGE located in Lebanon Township, Lebanon County, Pennsylvania

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

FIELD CREW: TB/SS  
 BASE MAP: MA  
 DRAWN: CDS  
 DESIGN: CDS  
 CHECKED: SS  
 DATE: 08-05-22  
 SCALE: 1"=50'  
 PROJECT # 2214-22-001