

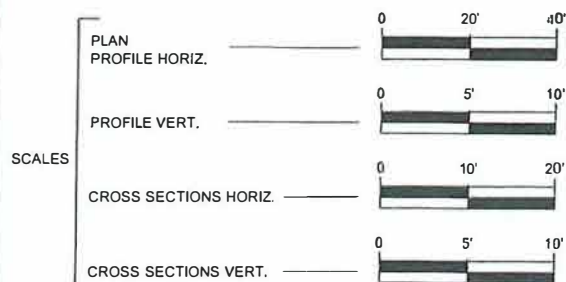
11/18/2022 LETTING ITEM 106

INDEX OF SHEETS

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3	TYPICAL SECTION
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5	HORIZONTAL AND VERTICAL CONTROL
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HIGHWAY STANDARDS

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280001-07	TEMPORARY EROSION CONTROL SYSTEMS
630001-12	STEEL PLATE BEAM GUARDRAIL
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5M) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE
701901-08	TRAFFIC CONTROL DEVICES
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 22-7	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 28-1	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER



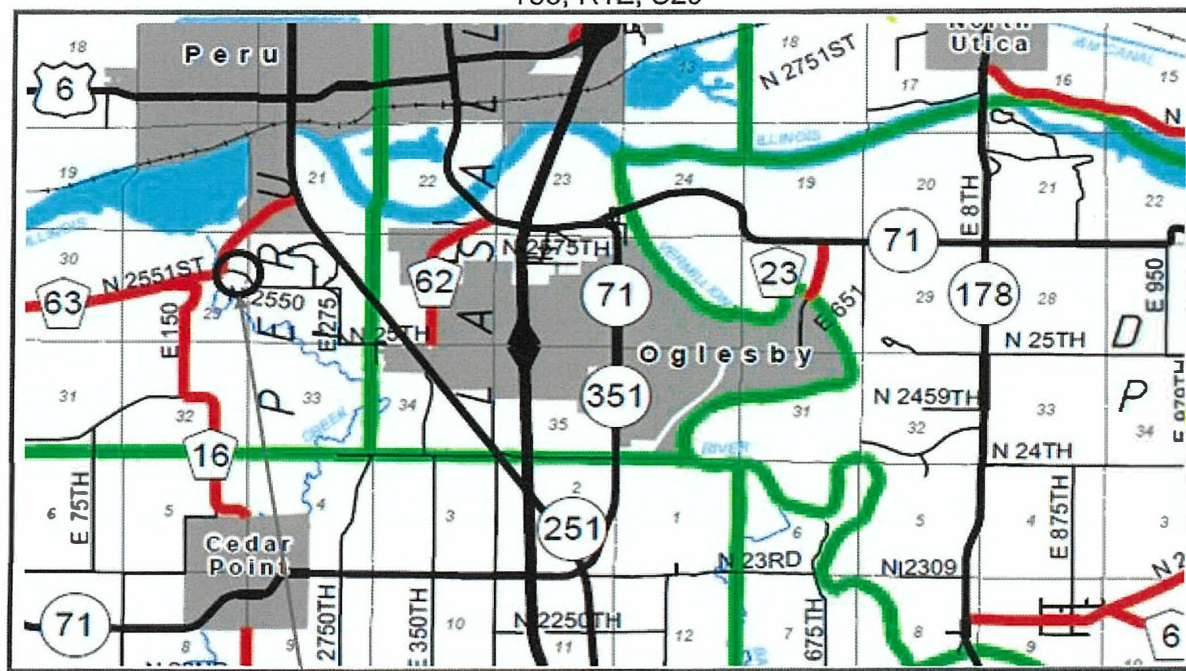
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZE PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123



CONTRACT NUMBER: 87810

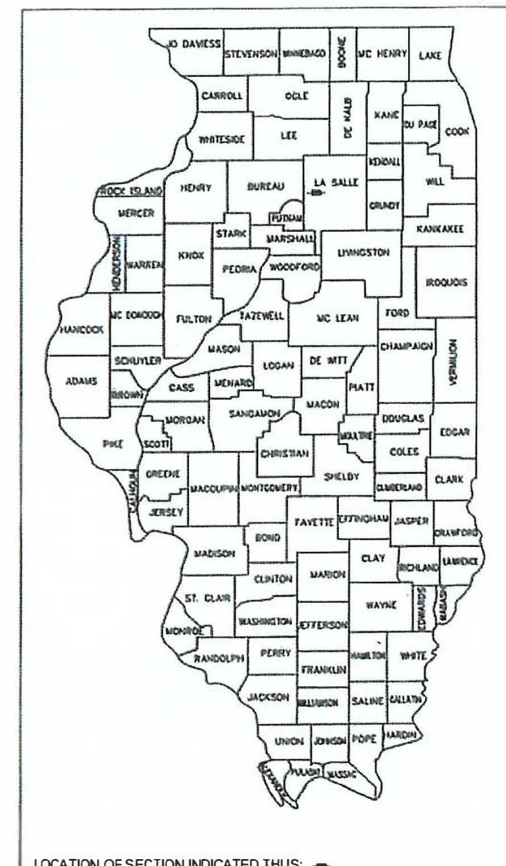
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID HIGHWAY
FEDERAL EMERGENCY RELIEF FUNDING
F.A.U. ROUTE 6118 (N. 2550TH ROAD)
SECTION 20-28820-01-DR
SLOPE STABILIZATION
44GR(062)
PERU ROAD DISTRICT
LASALLE COUNTY
C-93-096-20
T33, R1E, S29



PROJECT LOCATION

PROJECT LOCATION MAP
NET LENGTH OF SECTION = 948' (0.18 MILES)
GROSS LENGTH OF SECTION = 948' (0.18 MILES)
SCALE: NOT TO SCALE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6118	20-28820-01-DR	LASALLE	23	1
		ILLINOIS	CONTRACT NO. 87810	



LOCATION OF SECTION INDICATED THUS: [arrow]

TRAFFIC DATA
ADT = 1200

DESIGN DESIGNATION
MAJOR COLLECTOR

DESIGN POLICY: SR GUIDELINES
DESIGN SPEED: 40 MPH
POSTED SPEED: 35 MPH

4-1-2022
date

ERIC CARLS
LICENSED PROFESSIONAL ENGINEER
NO. 062-065616
STATE OF ILLINOIS
expires 11-30-2023

signature
Design Firm #184-001704

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED: APRIL 4th 2022
PERU ROAD DISTRICT HIGHWAY COMMISSIONER

APPROVED: [Signature]
LASALLE COUNTY ENGINEER

PASSED: 4/14/2022
REGION 2 LOCAL ROADS AND STREETS ENGINEER

RELEASED FOR BID BASED ON LIMITED REVIEW
APRIL 14, 2022

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

GENERAL NOTES

ANY REFERENCE TO STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEANS SEA LEVEL DATUM.

FOR STABILIZATION, ALL TYPE III BARRICADES WILL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

FOR STABILIZATION, ALL TYPE III BARRICADES WILL REQUIRE A MINIMUM FOUR SAND BAGS PER BARRICADE.

SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL WITHIN THE PLANS DOCUMENTS SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES IN AREAS TO BE SEEDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF FURNISH EXCAVATION.

ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF OFFSITE AND INCLUDED IN THE COST OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL OR TREE REMOVAL, AS NOTED IN THE PLAN DOCUMENTS.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.02 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:
 GRANULAR MATERIALS 2.05 TONS / CU YD

SHOULD THE CONTRACTOR OPERATIONS DAMAGE THE SURFACE OF THE EXISTING PAVEMENT, CURB AND GUTTER, OR GUARDRAIL, ADJACENT TO THE WORK AREA, THE CONTRACTOR MAY BE REQUIRED TO REPAIR SAID DAMAGES TO THE SATISFACTION OF THE ENGINEER. (SEE ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS)

CONTRACT NUMBER: 87810

REVISIONS			
NO.	DESCRIPTION	DATE	BY

SECTION 20-28820-01-DR
 FAU RTE 6118 (NORTH 2550th ROAD)
 SOLDIER PILE WALL



CARLS ENGINEERING & CONSULTING, LLC
 314 E. CLEVELAND STREET
 SPRING VALLEY, ILLINOIS 61362
 PHONE (815) 343-3899

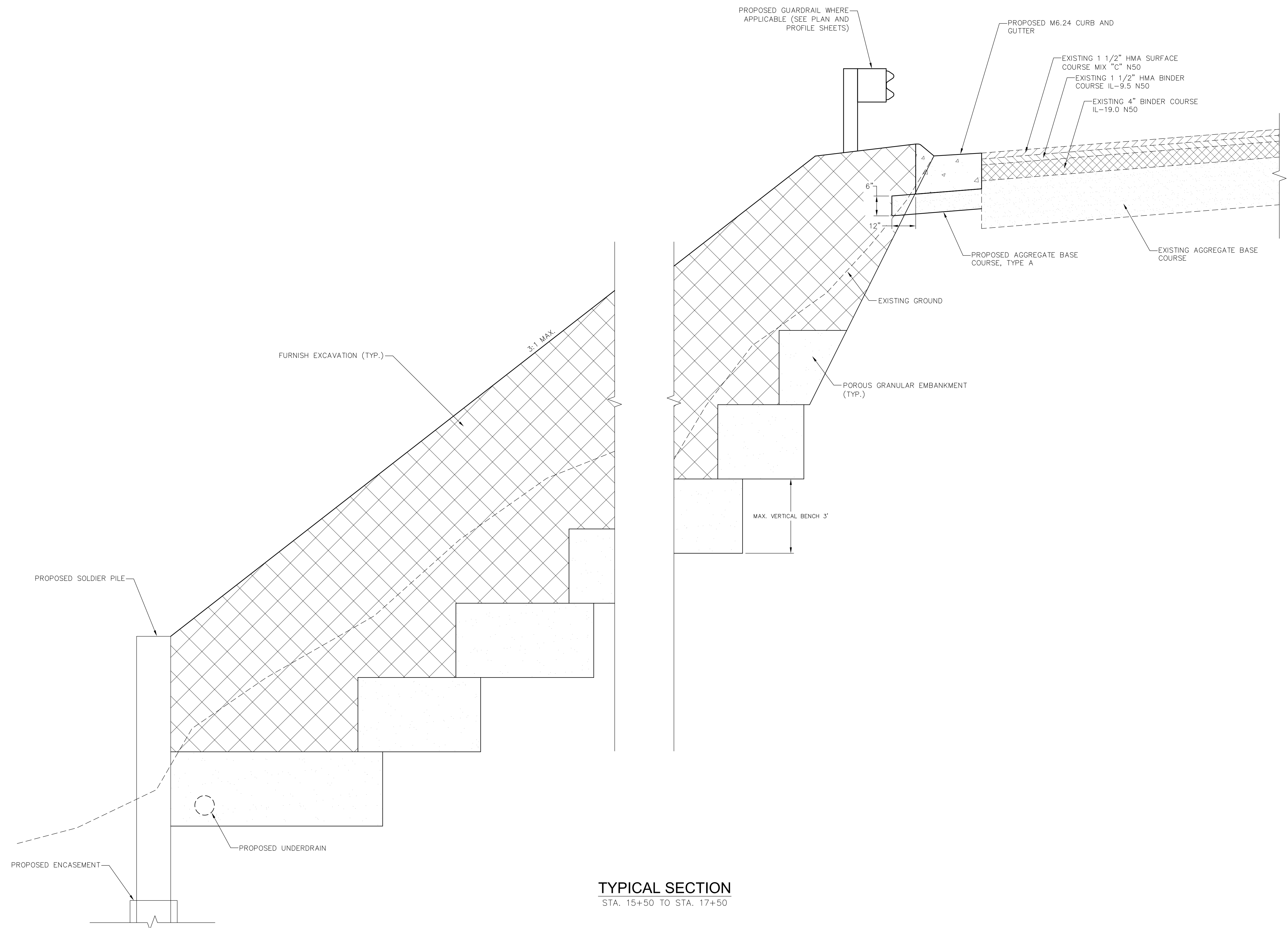


PERU OTTAWA MORRIS
 ILLINOIS

GENERAL NOTES

CONSTRUCTION
 PLANS

PROJECT NO: 20-28820-01-DR	DRAWN BY: EPZ	DATE: 3/31/22	SHEET NO: 2 of 23
FILE NAME: 2550th_Base_Ph2.dwg	CHECKED BY: EHC	SCALE: -	



TYPICAL SECTION
STA. 15+50 TO STA. 17+50

CONTRACT NUMBER: 87810

REVISIONS			
NO.	DESCRIPTION	DATE	BY

SECTION 20-28820-01-DR
FAU RTE 6118 (NORTH 2550th ROAD)
SOLDIER PILE WALL

CE CARLS ENGINEERING & CONSULTING, LLC
314 E. CLEVELAND STREET
SPRING VALLEY, ILLINOIS 61362
PHONE (815) 343-3899

CA PERU OTTAWA MORRIS ILLINOIS
Chamlin & Associates

TYPICAL SECTION

CONSTRUCTION PLANS

PROJECT NO: 20-28820-01-DR	DRAWN BY: EPZ	DATE: 3/31/22	SHEET NO: 3 of 23
FILE NAME: 2550th_Base_Ph2.dwg	CHECKED BY: EHC	SCALE: -	

SUMMARY OF QUANTITIES

	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY
Δ *	20100500	TREE REMOVAL	ACRE	1.2
*	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	4432
*	20400800	FURNISHED EXCAVATION	CU YD	8948
	20700220	POROUS GRANULAR EMBANKMENT	CU YD	3202
Δ	25000300	SEEDING, CLASS 3	ACRE	1.2
Δ	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	111
Δ	25000500	PHOSPHOROUS FERTILIZER NUTRIENT	POUND	111
Δ	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	111
Δ	25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	5968
	28000400	PERIMETER EROSION BARRIER	FOOT	785
	35100100	AGGREGATE BASE COURSE, TYPE A	TON	902
	50200100	STRUCTURE EXCAVATION	CU YD	231
	51500100	NAME PLATES	EACH	1
	52200105	FURNISHING SOLDIER PILES (W SECTION)	FOOT	1594
	52200200	DRILLING AND SETTING SOLDIER PILES (IN IN SOIL)	CU FT	6500
	52200205	DRILLING AND SETTING SOLDIER PILES (IN ROCK)	CU FT	1892

SUMMARY OF QUANTITIES

	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY
	52200255	TREATED TIMBER LAGGING	SQ FT	3572
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	336
*	60108106	PIPE UNDERDRAINS, TYPE 1, 6"	FOOT	296
*	60610400	COMBINATION CURB AND GUTTER, TYPE M--6.24	FOOT	235
Δ *	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	200
	67100100	MOBILIZATION	L SUM	1
Δ	78200006	GUARDRAIL REFLECTORS, TYPE B	EACH	4
*	X1700045	REMOVE TEMPORARY CONCRETE BARRIER NO SALVAGE	FOOT	150
*	X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1

* - SPECIAL PROVISION
 Δ - SPECIALTY ITEMS

CONTRACT NUMBER: 87810

REVISIONS			
NO.	DESCRIPTION	DATE	BY

SECTION 20-28820-01-DR
 FAU RTE 6118 (NORTH 2550th ROAD)
 SOLDIER PILE WALL



CARLS ENGINEERING & CONSULTING, LLC
 314 E. CLEVELAND STREET
 SPRING VALLEY, ILLINOIS 61362
 PHONE (815) 343-3822

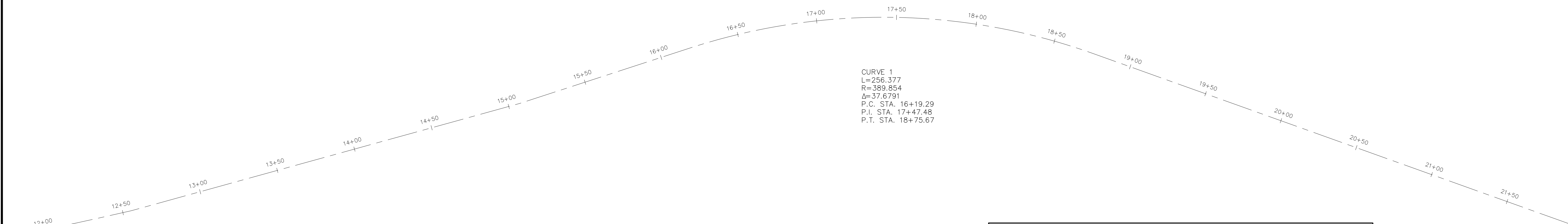
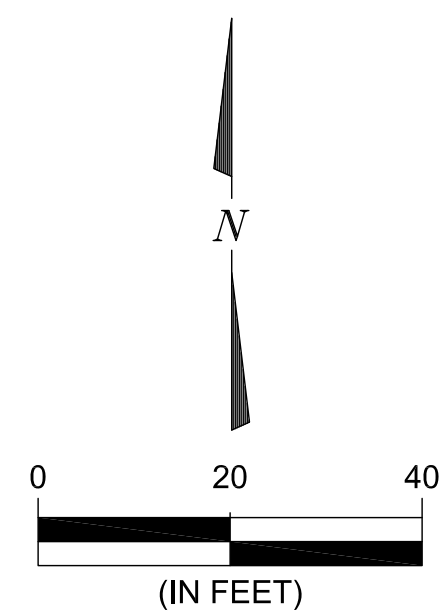


PERU OTTAWA MORRIS
 ILLINOIS

TYPICAL SECTION

CONSTRUCTION
 PLANS

PROJECT NO: 20-28820-01-DR	DRAWN BY: EPZ	DATE: 3/31/22	SHEET NO: 4 of 23
FILE NAME: 2550th_Base_Ph2.dwg	CHECKED BY: EHC	SCALE: -	



CURVE 1
 L=256.377
 R=389.854
 Δ=37.6791
 P.C. STA. 16+19.29
 P.I. STA. 17+47.48
 P.T. STA. 18+75.67

BENCHMARKS

BM1
 EXISTING MAG SPIKE IN PAVEMENT –
 STATION 12+20.41, 17.29' RIGHT
 ELEV.=486.38

BM2
 SET IRON PIPE WITH CAP – STATION
 13+05.37, 40.45' LEFT
 ELEV.=483.91

BM3
 SET IRON PIPE WITH CAP – STATION
 15+81.64, 196.37' LEFT
 ELEV.=461.51

N. 2550TH ROAD

STATION	NORTHING	EASTING	REMARKS
12+00	1690088.6443	765144.1078	
12+50	1690099.4135	765192.9341	
13+00	1690112.4779	765241.1918	
13+50	1690125.7808	765289.3897	
14+00	1690139.0837	765337.5875	
14+50	1690152.3866	765385.3866	
15+00	1690165.6895	765433.9832	
15+50	1690180.8541	765481.6218	
16+00	1690196.3156	765529.1711	
16+19.29	1690202.2813	765547.5179	PC
16+50	1690210.6177	765577.0641	
17+00	1690219.1443	765626.2970	
17+50	1690221.3039	765676.2160	
18+00	1690217.0610	765726.0013	
18+50	1690206.4854	765774.8350	
18+75.67	1690198.6484	765799.2737	PT
19+00	1690190.4600	765822.1852	
19+50	1690173.6330	765869.2687	
20+00	1690156.8059	765916.3521	
20+38	1690144.0174	765952.1355	

CONTRACT NUMBER: 87810

REVISIONS			
NO.	DESCRIPTION	DATE	BY

SECTION 20-28820-01-DR
 FAU RTE 6118 (NORTH 2550th ROAD)
 SOLDIER PILE WALL

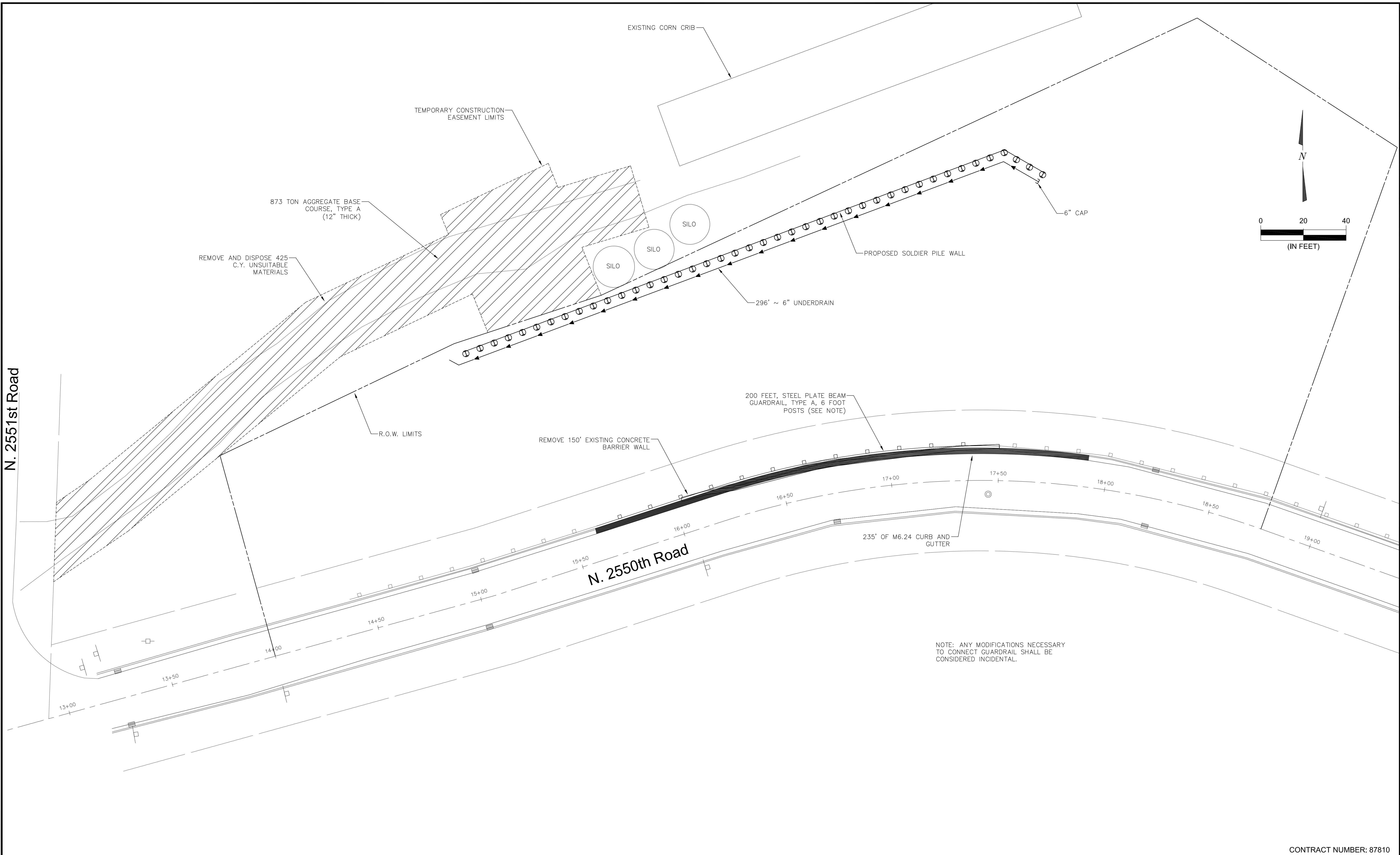
CARLS ENGINEERING &
 CONSULTING, LLC
 314 E. CLEVELAND STREET
 SPRING VALLEY, ILLINOIS 61382
 PHONE (815) 343-3899

PERU OTTAWA MORRIS
 ILLINOIS
 Chamlin & Associates

HORIZONTAL AND VERTICAL
 CONTROL

CONSTRUCTION
 PLANS

PROJECT NO: 20-28820-01-DR	DRAWN BY: EPZ	DATE: 3/31/22	SHEET NO: 5 of 23
FILE NAME: 2550th_Base_Ph2.dwg	CHECKED BY: EHC	SCALE: AS NOTED	



N. 2551st Road

N. 2550th Road

CONTRACT NUMBER: 87810

REVISIONS			
NO.	DESCRIPTION	DATE	BY

SECTION 20-28820-01-DR
 FAU RTE 6118 (NORTH 2550th ROAD)
 SOLDIER PILE WALL



CARLS ENGINEERING & CONSULTING, LLC
 314 E. CLEVELAND STREET
 SPRING VALLEY, ILLINOIS 61382
 PHONE (815) 343-3899



PERU OTTAWA MORRIS
 ILLINOIS

PLAN VIEW

CONSTRUCTION PLANS

PROJECT NO: 20-28820-01-DR	DRAWN BY: EPZ	DATE: 3/31/22	SHEET NO: 6 of 23
FILE NAME: 2550th_Base_Ph2.dwg	CHECKED BY: EHC	SCALE: AS NOTED	

BENCHMARKS:

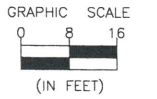
BM #1
Existing MAG Spike in pavement - Station 12+20.41 - 17.29 feet Right
Elevation = 486.38

BM #2
Set Iron Pipe with Cap - Station 13+05.37 - 40.45 feet Left
Elevation = 483.91

BM #3
Set Iron Pipe with Cap - Station 15+81.64 - 196.37 feet Left
Elevation = 461.51

EXISTING STRUCTURE = NONE

TRAFFIC CONTROL = NONE



TOTAL BILL OF MATERIAL

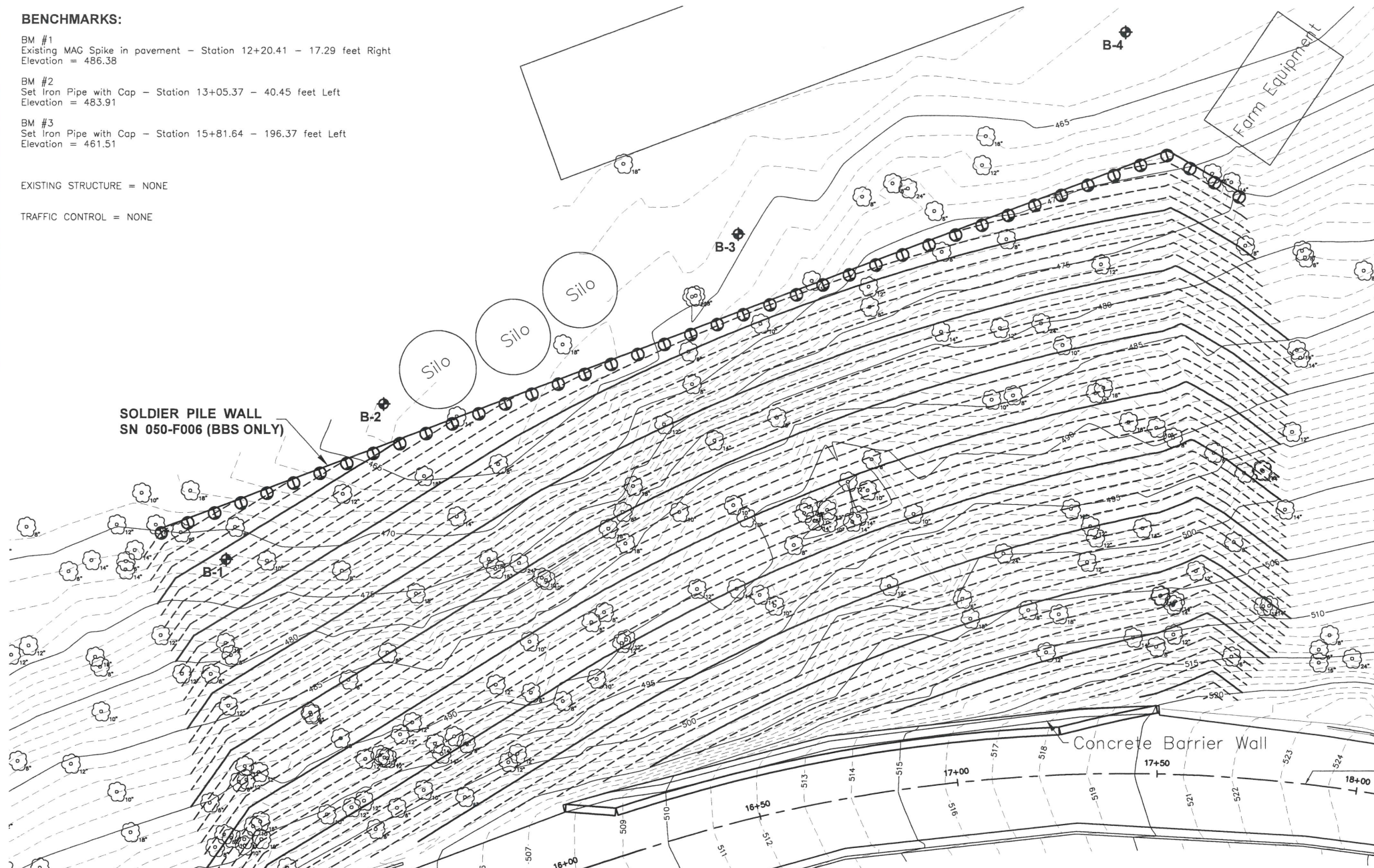
ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	565
Structure Excavation	Cu. Yd.	231
Name Plates	Each	1
Furnishing Soldier Piles (W Section)	Foot	1594
Drilling And Setting Soldier Piles (In Soil)	Cu. Ft.	6500
Drilling And Setting Soldier Piles (In Rock)	Cu. Ft.	1892
Geocomposite Wall Drain	Sq. Yd.	336
Treated Timber Lagging	Sq. Ft.	3572

GENERAL NOTES

- All soldier pile steel shall be AASHTO M270 Grade 50.
- The Organic Zinc Rich Primer/Epoxy/Urethane Paint System shall be used for painting new soldier piles. The entire system shall be shop applied. The color shall be Gray, Munsell No. 5b 7/1.
- The treated timber lagging shall be structural square cut dense Southern Pine or dense Douglas Fir.

STATION 16+96.16
BUILT BY
PERU TOWNSHIP
LASALLE COUNTY
SEC. 20-28820-01-DR
LOADING HL93
STR. NO. _____

NAME PLATE
See Std. 515001



PLAN

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications

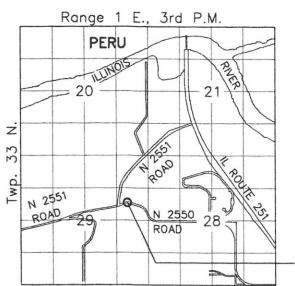
DESIGN STRESSES

FIELD UNITS
f_y = 50,000 psi (M270 Grade 50)
F_b = 1,600 psi (timber lagging)

INDEX OF SHEETS

- General Plan
- Elevation
- Wall Section and Details
- Drilled Soldier Pile Schedule
- Soil Borings

F.F. = front face



LOCATION SKETCH

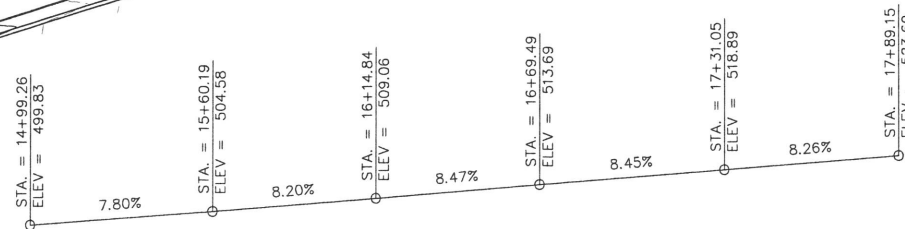
PROJECT LOCATION

CENTERLINE N 2550th ROAD
CURVE DATA
DELTA=37°40'45"
R=389.85'
T=133.02'
L=256.38'
PC STA. = 16+19.29
PI STA. = 17+52.31
PT STA. = 18+75.67

SEE SHEET 2 OF 6 FOR ELEVATION VIEW AND PILE SPACING.

SEE SHEET 3 OF 6 FOR TYPICAL SECTION THROUGH WALL AND DETAILS

SEE SHEET 4 OF 6 FOR SCHEDULE OF ELEVATIONS AND QUANTITIES.



PROFILE GRADE N 2550th

(Existing profile grade based upon centerline pavement shots provided)

REVISIONS	DATE	BY	LEVEL	DESCRIPTION



PERU MORRIS
OTTAWA MENDOTA
ILLINOIS

**SECTION 20-28820-01 DR
FAU RTE 6118 (NORTH 2550TH ROAD)
SOLDIER PILE WALL**

GENERAL PLAN

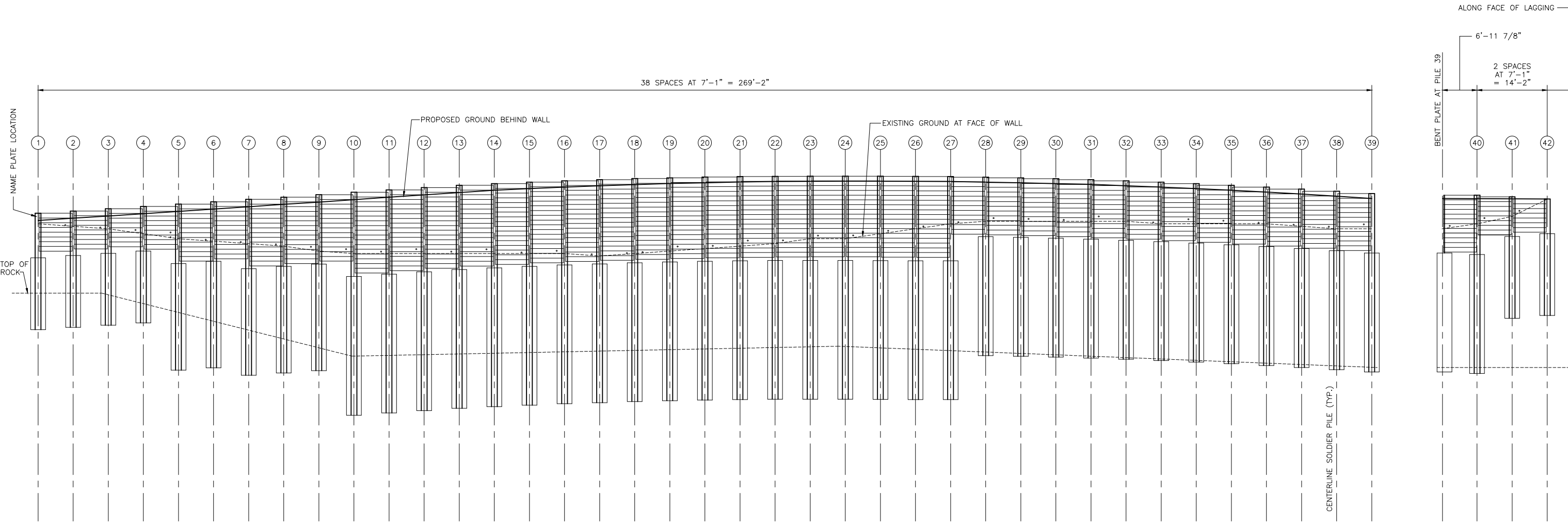
FOR CONSTRUCTION

CURRENT AS OF: 04/01/2022	SHEET 7
SCALE: AS NOTED	OF 23
FILE NO.: 111336.00 Y-	

CONTRACT 87810
WALL PLANS - SHEET 1 OF 6

CHAMLIN & ASSOCIATES, INC. © 2022
Drawing Name: C:\Users\111336-00-McCleary-Eng-N2550th-DR-Relating-Wall-CAD\Phase 1\111336-00-GENPLAN.dwg
Last Modified: Friday, April 01, 2022 12:21:45 PM
Plotted On: Friday, April 01, 2022 11:20:05 PM
by Debbie Story

CHAMLIN & ASSOCIATES, INC. 2022
 Drawing Name: G:\Users\11111336-00-McCleary-Eng-N2550th-Rd-Retaining-Wall\CAD\Phase II\002-ELEVATION.dwg
 Last Modified: Friday, April 01, 2022 12:21:10 PM
 Plotted On: Friday, April 01, 2022 11:30:01 PM
 by Debbie Story



WALL ELEVATIONS LOOKING AT BACKSIDE OF WALL

SEE SHEET 4 OF 6 FOR SCHEDULE OF ELEVATIONS AND QUANTITIES.

CONTRACT 87810
 WALL PLANS - SHEET 2 OF 6

DRAWN BY: LAG	REVISIONS			
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION
DATE: 04/2022				



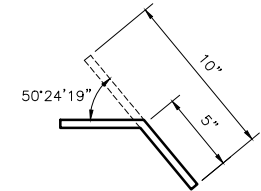
PERU MORRIS
 OTTAWA MENDOTA
 ILLINOIS

**SECTION 20-28820-01 DR
 FAU RTE 6118 (NORTH 2550TH ROAD)
 SOLDIER PILE WALL**

ELEVATION

FOR CONSTRUCTION

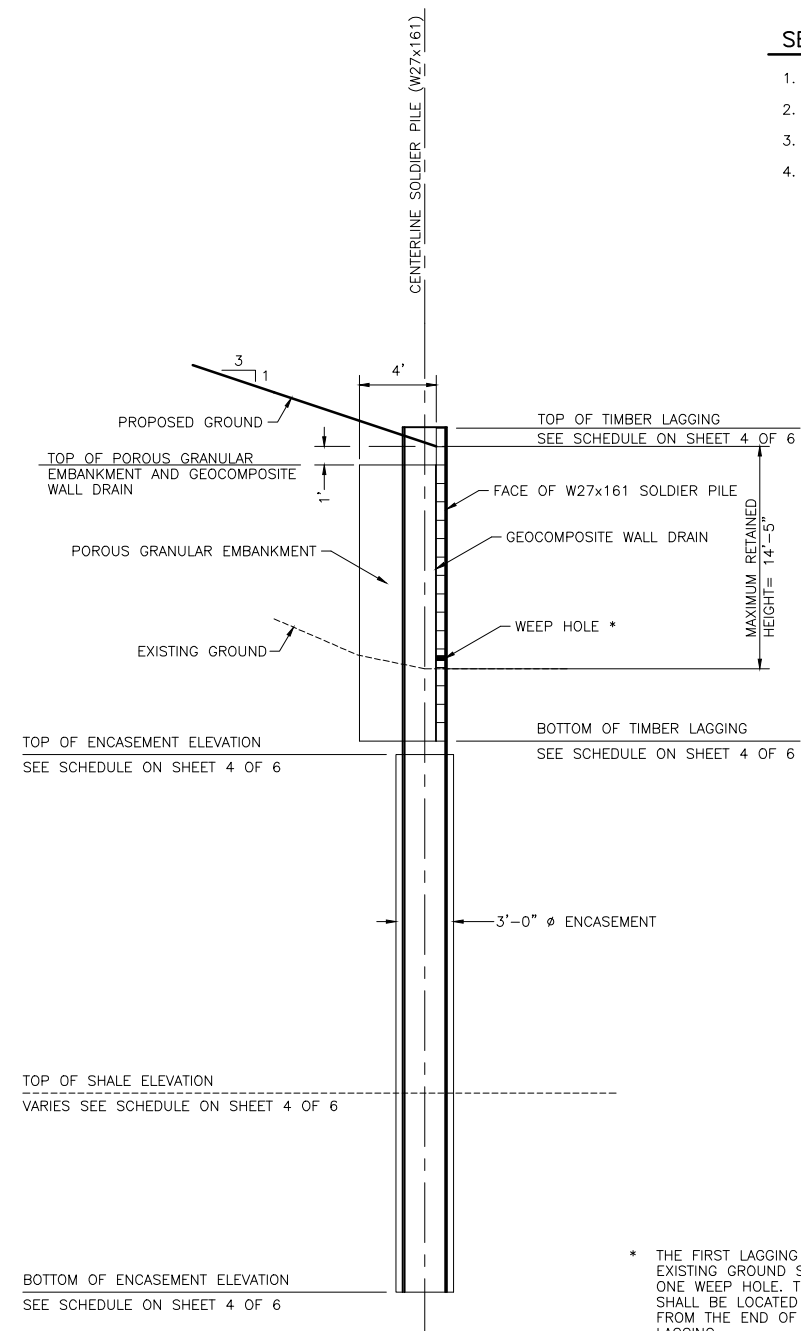
CURRENT AS OF: 04/012022	
SCALE: AS NOTED	SHEET 8
FILE NO.: 111336.00 Y-	OF 23



1/2" - BENT PLATE DETAIL
 (11'-6" LONG)
 INCLUDED IN THE COST FOR FURNISHING
 SOLDIER PILES (W. SECTION)

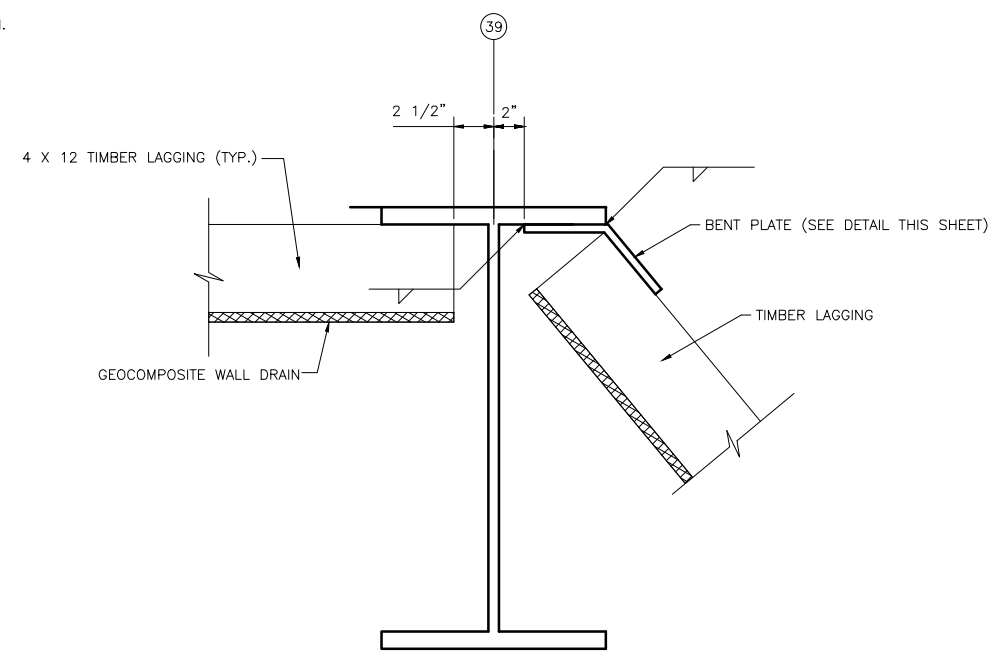
SEQUENCE OF WORK

1. DRILL AND SET SOLDIER PILES.
2. FILL SHAFT EXCAVATION WITH ENCASEMENT CONCRETE.
3. PLACE TIMBER LAGGING AND GEOCOMPOSITE WALL DRAIN.
4. BACKFILL BEHIND WALL.

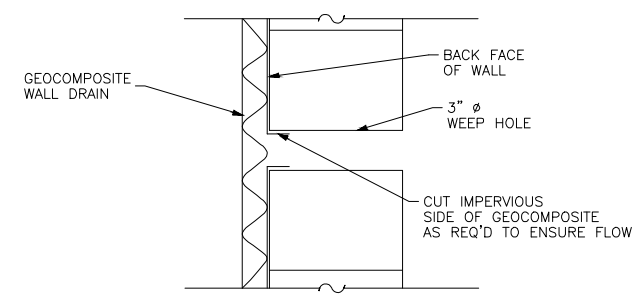


WALL SECTION

* THE FIRST LAGGING ABOVE EXISTING GROUND SHALL HAVE ONE WEEP HOLE. THE HOLE SHALL BE LOCATED 1'-4 1/2" FROM THE END OF THE LAGGING.



BEND IN WALL DETAIL



WEEP HOLE DRAIN DETAIL

CONTRACT 87810
 WALL PLANS - SHEET 3 OF 6

DRAWN BY: LAG	REVISIONS			
	LEVEL	BY	DATE	DESCRIPTION
CHECKED BY: JKC				
DATE: 04/2022				



PERU MORRIS
 OTTAWA MENDOTA
 ILLINOIS

**SECTION 20-28820-01 DR
 FAU RTE 6118 (NORTH 2550TH ROAD)
 SOLDIER PILE WALL**

WALL SECTION AND DETAILS

FOR CONSTRUCTION

CURRENT AS OF: 04/01/2022	
SCALE: AS NOTED	SHEET 9
FILE NO.: 111336.00 Y-	OF 23

SOLDIER PILE WALL SCHEDULE

SOLDIER PILE #	TO NORTH FACE OF SOLDIER PILE		TO CENTER OF SOLDIER PILE ENCASEMENT SHAFT		TOP OF SOLDIER PILE ELEVATION (FEET)	TOP OF ENCASEMENT ELEVATION (FEET)	BOTTOM OF ENCASEMENT ELEVATION (FEET)	FURNISHING SOLDIER PILES (W SECTION) (FEET)	ESTIMATED TOP OF SHALE ELEVATION (FEET)	DRILLING AND SETTING SOLDIER PILES (IN ROCK) (CU. FT.)	DRILLING AND SETTING SOLDIER PILES (IN SOIL) (CU. FT.)	TOP OF LAGGING ELEVATION TO EAST OF PILE (FEET)	BOTTOM OF LAGGING ELEVATION TO EAST OF PILE (FEET)	TIMBER LAGGING AREA (SQ. FT.)	WALL HEIGHT (FEET)
	STATION	OFFSET	STATION	OFFSET											
1	15+28.77	113.09	15+28.82	111.94	472.14	463.14	448.64	23.50	456.00	52.00	98.96	472.14	464.48	51.11	2.14
2	15+35.85	113.39	15+35.90	111.24	472.59	463.59	449.09	23.50	456.00	48.84	95.43	472.59	464.92	51.11	3.09
3	15+42.92	113.70	15+42.97	112.54	473.05	464.05	449.55	23.50	455.68	43.33	94.15	473.05	465.38	51.11	4.05
4	15+50.00	114.00	15+50.05	112.85	473.50	464.50	450.00	23.50	453.90	27.57	99.67	473.50	464.88	57.50	5.50
5	15+57.08	114.30	15+57.13	113.16	473.96	461.96	440.46	33.50	452.11	82.37	105.25	473.96	462.46	76.67	6.96
6	15+64.15	114.61	15+64.20	113.46	474.45	462.45	440.95	33.50	450.33	66.33	114.30	474.45	462.95	76.67	7.95
7	15+71.23	114.91	15+71.28	113.76	474.93	460.93	439.43	35.50	448.55	64.49	123.35	474.93	461.51	89.47	8.93
8	15+78.31	115.21	15+78.36	114.07	475.39	461.39	439.89	35.50	446.76	48.54	132.47	475.39	461.97	89.47	9.89
9	15+85.38	115.52	15+85.43	114.37	475.88	461.88	440.38	35.50	444.98	32.49	137.98	475.88	462.46	89.47	11.38
10	15+92.46	115.82	15+92.51	114.67	476.36	459.36	431.36	45.00	443.31	84.45	146.25	476.36	460.07	108.61	12.36
11	15+99.54	116.12	15+99.58	114.98	476.84	459.84	431.84	45.00	443.47	82.21	145.12	476.84	460.55	108.61	12.84
12	16+06.61	116.43	16+06.66	115.29	477.32	460.32	432.32	45.00	443.63	79.95	143.99	477.32	461.03	108.61	13.32
13	16+13.69	116.73	16+13.74	115.58	477.78	460.78	432.78	45.00	443.78	77.78	142.93	477.78	461.49	108.61	13.78
14	16+20.43	117.04	16+20.47	115.89	478.11	461.11	433.11	45.00	443.94	76.53	141.80	478.11	461.82	108.61	14.11
15	16+25.86	117.41	16+25.92	116.26	478.42	461.42	433.42	45.00	444.10	75.52	140.66	478.42	462.13	108.61	14.42
16	16+31.30	117.88	16+31.36	116.74	478.69	461.69	433.69	45.00	444.26	74.74	139.53	478.69	462.40	108.61	14.69
17	16+36.71	118.45	16+36.79	117.31	478.92	461.92	433.92	45.00	444.42	74.20	138.87	478.92	462.63	108.61	15.42
18	16+42.12	119.12	16+42.21	117.98	479.13	462.13	434.13	45.00	444.58	73.87	137.27	479.13	462.84	108.61	15.13
19	16+47.51	119.88	16+47.61	118.75	479.29	462.29	434.29	45.00	444.74	73.87	139.68	479.29	463.00	108.61	14.79
20	16+52.88	120.75	16+52.99	119.61	479.43	462.43	434.43	45.00	444.90	74.01	142.08	479.43	463.14	108.61	14.43
21	16+58.23	121.71	16+58.36	120.57	479.53	462.53	434.53	45.00	445.05	74.39	144.55	479.53	463.24	108.61	14.03
22	16+63.57	122.77	16+63.70	121.63	479.59	462.59	434.59	45.00	445.21	75.04	146.96	479.59	463.30	108.61	13.59
23	16+68.88	123.92	16+69.02	122.78	479.62	462.62	434.62	45.00	445.37	75.99	152.89	479.62	463.33	108.61	12.62
24	16+74.16	125.16	16+74.32	124.03	479.62	462.62	434.62	45.00	445.44	76.46	152.40	479.62	463.33	108.61	12.62
25	16+79.42	126.50	16+79.59	125.38	479.62	462.62	434.62	45.00	445.15	74.41	161.52	479.58	463.29	108.61	11.62
26	16+84.65	127.94	16+84.83	126.81	479.58	462.58	434.58	45.00	444.86	72.64	170.64	479.53	463.24	108.61	10.58
27	16+89.95	129.46	16+90.04	128.34	479.53	462.53	434.53	45.00	444.57	70.99	179.75	479.42	467.92	76.67	9.53
28	16+95.02	131.08	16+95.22	129.96	479.42	467.42	443.42	36.00	444.27	6.03	185.41	479.28	467.78	76.67	8.92
29	17+00.15	132.79	17+00.37	131.68	479.28	467.28	443.28	36.00	443.98	4.97	187.46	479.11	467.61	76.67	8.78
30	17+05.26	134.59	17+05.48	133.48	479.11	467.11	443.11	36.00	443.69	4.12	189.51	478.91	467.41	76.67	8.61
31	17+10.32	136.48	17+10.55	135.37	478.91	466.91	442.91	36.00	443.39	3.42	191.63	478.67	467.17	76.67	8.41
32	17+15.35	138.46	17+15.59	137.35	478.67	466.67	442.67	36.00	443.10	3.06	193.68	478.41	466.91	76.67	8.17
33	17+20.34	140.52	17+20.59	139.42	478.41	466.41	442.41	36.00	442.81	2.83	192.19	478.10	466.60	76.67	8.41
34	17+25.29	142.67	17+25.55	141.58	478.10	466.10	442.10	36.00	442.51	2.87	194.32	477.78	466.28	76.67	8.10
35	17+30.20	144.90	17+30.47	143.81	477.78	465.78	441.78	36.00	442.22	3.11	196.37	477.41	465.91	76.67	7.78
36	17+35.07	147.22	17+35.35	146.14	477.41	465.41	441.41	36.00	441.93	3.70	198.42	477.00	465.50	76.67	7.41
37	17+39.90	149.63	17+40.18	148.55	477.00	465.00	441.00	36.00	441.63	4.43	197.00	476.58	465.08	76.67	7.50
38	17+44.68	152.11	17+44.97	151.04	476.58	464.58	440.58	36.00	441.34	5.40	195.52	476.11	464.61	76.67	7.58
39	17+49.42	154.68	17+49.72	153.61	476.11	464.11	440.11	36.00	441.05	6.64	197.57	475.79	464.29	76.67	7.11
40	17+54.28	151.52	17+53.89	150.51	475.79	463.79	439.79	36.00	441.00	8.57	204.99	475.44	467.78	51.11	5.79
41	17+58.80	148.22	17+58.42	147.20	475.44	467.44	450.94	24.50	441.00	0.00	145.31	475.00	468.29	44.72	3.94
42	17+63.39	144.99	17+63.00	143.96	475.00	468.00	451.50	23.50	441.00	0.00	166.11	0.00	0.00	0.00	0.00
TOTAL QUANTITY =								1593.50		1892.13	6499.90			3571.46	

CHAMLIN & ASSOCIATES, INC. 2022
 Drawing Name: G:\Users\11111336-00-McCleary-Eng-N2550th-Rd-Retaining-Wall\CAD\Phase 1\00A-WALLSCHED.dwg
 Last Modified: Friday, April 01, 2022 12:19:51 PM
 Plotted On: Friday, April 01, 2022 1:14:16 PM by Debbie Story

CONTRACT 87810
 WALL PLANS - SHEET 4 OF 6

DRAWN BY: LAG	CHECKED BY: JKC	DATE: 04/2022	REVISIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>LEVEL</th> <th>BY</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	LEVEL	BY	DATE	DESCRIPTION					 PERU MORRIS OTTAWA MENDOTA ILLINOIS	SECTION 20-28820-01 DR FAU RTE 6118 (NORTH 2550TH ROAD) SOLDIER PILE WALL	DRILLED SOLDIER PILE SCHEDULE	FOR CONSTRUCTION	CURRENT AS OF: 04/01/2022 SCALE: AS NOTED FILE NO.: 111336.00 Y-	SHEET 10 OF 23
LEVEL	BY	DATE	DESCRIPTION														



3705 Progress Blvd, Suite 2
Peru, IL 61354
815-780-8486

SOIL BORING LOG

Solutions You Can Build On Date 3/23/20
ROUTE 2550th Rd **DESCRIPTION** West End of Retaining Wall **LOGGED BY** TMR
SECTION 20-28820-00-DR **LOCATION** NE 1/4, SEC. 29, TWP. 33, RNG. 1E, 3rd PM,
COUNTY LaSalle **DRILLING METHOD** HSA **HAMMER TYPE** CME Automatic

STRUCT. NO.	Station	DEPTH	BL	UC	MO	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After	Hrs.	DEPTH	BL	UC	MO	
050-3628	16+46.08	(ft)	(/6")	(tsf)	(%)	-- ft	-- ft	Dry ft	-- ft	-- ft	-- ft		(ft)	(/6")	(tsf)	(%)	
		472.50															
			1	1.4	30												
			2														
			3	S													
			2														
			3	2.1	24												
			6	B													
		467.50															
			5														
			12	3.3	16												
			17	S													
			9														
			18	10.3	15												
			32	S													
		460.50															
			12	50/1.25	4.5												
				P													
			50/4.25	4.5	6												
				P													
		456.00															
			MSPT	4.5	6												
				P													

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
 BBS, form 137 (Rev. 8-99)



3705 Progress Blvd, Suite 2
Peru, IL 61354
815-780-8486

SOIL BORING LOG

Solutions You Can Build On Date 3/23/20
ROUTE 2550th Rd **DESCRIPTION** 54 ft East of Boring B-1 **LOGGED BY** TMR
SECTION 20-28820-00-DR **LOCATION** NE 1/4, SEC. 29, TWP. 33, RNG. 1E, 3rd PM,
COUNTY LaSalle **DRILLING METHOD** HSA **HAMMER TYPE** CME Automatic

STRUCT. NO.	Station	DEPTH	BL	UC	MO	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After	Hrs.	DEPTH	BL	UC	MO	
050-3628	16+46.08	(ft)	(/6")	(tsf)	(%)	-- ft	-- ft	440.8 ft	-- ft	-- ft	-- ft		(ft)	(/6")	(tsf)	(%)	
		463.30															
			2														
			3	1.8	24												
			4	S													
			3														
			4	2.3	21												
			6	S													
		458.30															
			7														
			11	1.8	12												
			20	S													
		455.80															
			10														
			10	4.5	15												
			21	P													
			12														
			24	8.5	15												
			32	S													
			8														
			14	4.5	17												
			14	P													
		448.30															
			14														
			24	3.5	8												
			18	P													
			9														
			44	4.5	12												
			50/3.0	P													

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
 BBS, form 137 (Rev. 8-99)

CHAMLIN & ASSOCIATES, INC. 2022
 Drawing Name: G:\Users\11111336-00-McCleary-Eng-N2550th-Rd-Retaining-Wall\CAD\Phase II\009-06-BORINGS.dwg Last Modified: Friday, April 01, 2022 12:22:49 PM Plotted On: Friday, April 01, 2022 11:15:18 PM by Debbie Story

DRAWN BY: LAG CHECKED BY: JKC DATE: 04/2022	<table border="1"> <thead> <tr> <th>LEVEL</th> <th>BY</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	LEVEL	BY	DATE	DESCRIPTION						PERU MORRIS OTTAWA MENDOTA ILLINOIS	SECTION 20-28820-01 DR FAU RTE 6118 (NORTH 2550TH ROAD) SOLDIER PILE WALL	SOIL BORINGS	FOR CONSTRUCTION	CURRENT AS OF: 04/01/2022 SCALE: AS NOTED FILE NO.: 111336.00 Y-	SHEET 11 OF 23
LEVEL	BY	DATE	DESCRIPTION													



3705 Progress Blvd, Suite 2
Peru, IL 61354
815-780-8486

SOIL BORING LOG

Solutions You Can Build On Date 3/23/20
ROUTE 2550th Rd **DESCRIPTION** 133 ft. East of Boring B-1 **LOGGED BY** TMR
SECTION 20-28820-00-DR **LOCATION** NE 1/4, SEC. 29, TWP. 33, RNG. 1E, 3rd PM,
COUNTY LaSalle **DRILLING METHOD** HSA **HAMMER TYPE** CME Automatic

STRUCT. NO.	Station	DEPTH	BL	UCS	MOIST	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After	Hrs.	DEPTH	BL	UCS	MOIST
		(ft)	(/6")	(tsf)	(%)	ft	ft	ft	ft	ft	ft		(ft)	(/6")	(tsf)	(%)
	050-3628	16+46.08				--	--									
BORING NO.	B-3	16+70.78														
Station		142.7 ft Lt.														
Ground Surface Elev.		464.00														
Gray/Brown Silty Clay, organic topsoil		463.50						Dense Gray Silty Clay or Very Weathered Shale (continued)								
Very Stiff Brown Sandy Clay, w/ some gravel			3				442.00	Dense Gray To Dark Gray Very Weathered Shale								
			4	2.3	23											
			4	B												
Hard Brown A-7-6 (29) Clay w/ some gravel		461.00														
			3													
			4	3.7	20											
			7	B												
			3													
White/Gray Gravelly A-6 (4) Sandy Clay Loam		457.00					437.00	Dense Brown/Gray Very Weathered Shale								
			15	4.5	8											
			14	P												
Orangish Brown Gravelly A-6 (5) Clay Loam, wet		456.00														
			4													
			4	1.5	14											
			10	P												
			48													
			50/2.5	-	9		432.00	Dense Gray Very Weathered Shale								
			8													
Dense Gray Silty Clay or Very Weathered Shale		450.00														
			22	2.0	13											
			41	P												
			22													
			50/5.88	4.5	15											
			30													
			50/3.5	4.7	16											
			20	S												

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
 BBS, form 137 (Rev. 8-99)



3705 Progress Blvd, Suite 2
Peru, IL 61354
815-780-8486

SOIL BORING LOG

Solutions You Can Build On Date 3/23/20
ROUTE 2550th Rd **DESCRIPTION** East End of Retainig Wall **LOGGED BY** TMR
SECTION 20-28820-00-DR **LOCATION** NE 1/4, SEC. 29, TWP. 33, RNG. 1E, 3rd PM,
COUNTY LaSalle **DRILLING METHOD** HSA **HAMMER TYPE** CME Automatic

STRUCT. NO.	Station	DEPTH	BL	UCS	MOIST	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After	Hrs.	DEPTH	BL	UCS	MOIST
		(ft)	(/6")	(tsf)	(%)	ft	ft	ft	ft	ft	ft		(ft)	(/6")	(tsf)	(%)
	050-3628	16+46.08				--	--									
BORING NO.	B-4	17+42.23														
Station		184.2 ft Lt.														
Ground Surface Elev.		463.00														
Stiff to Very Stiff Gray/Brown Silty Clay Loam			1					Dense Gray Very Weathered Shale (continued)								
			2	1.0	21		441.00	Dark Gray to Black Very Weathered Shale								
			3	P												
			2	3.1	18											
Very Stiff Brown A-7-6 (26) Clay, w/ some gravel		459.00														
			4	B												
			6	2.5												
			3													
Stiff Organish Brown Gravelly A-6 (5) Clay Loam		456.50					436.00	Dense Brown/Gray Very Weathered Shale								
			6	2.0	19											
			9	P												
			50/5.88	-	15											
			22													
			50/4.38	1.5	12											
			6													
White/Gray Gravelly A-6 (4) Sandy Clay Loam		448.50														
			17	-	9											
			39													
Dense Gray Very Weathered Shale		447.50														
			24													
			27	4.5	15											
			22	P												
			11													
			27	10.3	15											
			50	S												

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
 BBS, form 137 (Rev. 8-99)

CHAMLIN & ASSOCIATES, INC. 2022
 Drawing Name: G:\Users\j1111336-00-McCleary-Eng-N2550th-Rd-Retaining-Wall\CAD\Phase II\009-006-BORINGS.dwg
 Last Modified: Friday, April 01, 2022 12:22:49 PM
 Plotted On: Friday, April 01, 2022 11:16:11 PM
 by Debbie Story

DRAWN BY: LAG CHECKED BY: JKC DATE: 04/2022	<table border="1"> <tr> <th>LEVEL</th> <th>BY</th> <th>DATE</th> <th>REVISIONS</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	LEVEL	BY	DATE	REVISIONS	DESCRIPTION						<p>PERU MORRIS OTTAWA MENDOTA ILLINOIS</p>	<p>SECTION 20-28820-01 DR FAU RTE 6118 (NORTH 2550TH ROAD) SOLDIER PILE WALL</p>	<p>SOIL BORINGS</p>	<p>FOR CONSTRUCTION</p>	CURRENT AS OF: 04/01/2022 SCALE: AS NOTED FILE NO.: 111336.00 Y-	SHEET 12 OF 23
LEVEL	BY	DATE	REVISIONS	DESCRIPTION													


N. 2551st Road

N. 2550th Road

SILO
SILO
SILO

LEGEND

— S — PERIMETER EROSION CONTROL BARRIER

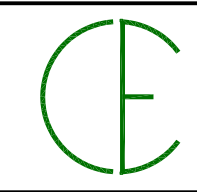
 SEEDING CLASS 3, EROSION CONTROL BLANKET & TREE REMOVAL

N

0 20 40
(IN FEET)

REVISIONS			
NO.	DESCRIPTION	DATE	BY

SECTION 20-28820-01-DR
FAU RTE 6118 (NORTH 2550th ROAD)
SOLDIER PILE WALL



CARLS ENGINEERING & CONSULTING, LLC
314 E. CLEVELAND STREET
SPRING VALLEY, ILLINOIS 61382
PHONE: (815) 343-3899

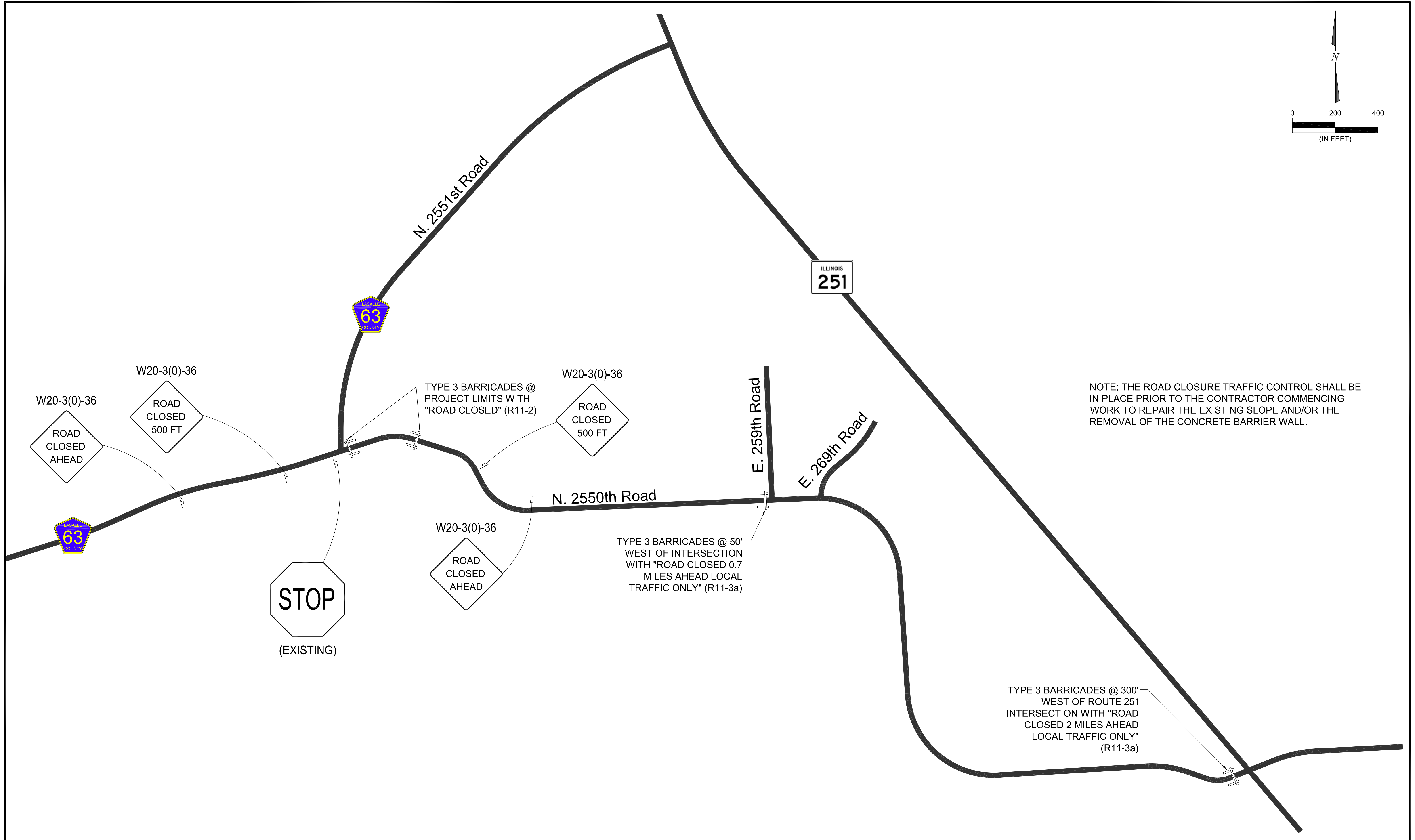
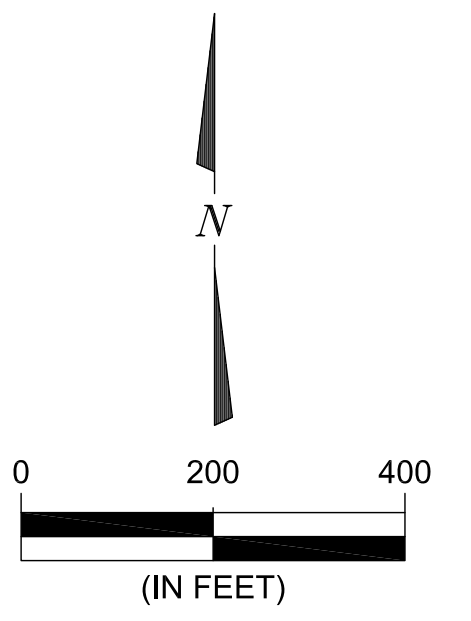


PERU OTTAWA MORRIS
ILLINOIS

EROSION CONTROL PLAN

CONSTRUCTION PLANS

PROJECT NO: 20-28820-01-DR	DRAWN BY: EPZ	DATE: 3/31/22	SHEET NO: 13 of 23
FILE NAME: 2550th_Base_Ph2.dwg	CHECKED BY: EHC	SCALE: AS NOTED	
CONTRACT NUMBER: 87810			



NOTE: THE ROAD CLOSURE TRAFFIC CONTROL SHALL BE IN PLACE PRIOR TO THE CONTRACTOR COMMENCING WORK TO REPAIR THE EXISTING SLOPE AND/OR THE REMOVAL OF THE CONCRETE BARRIER WALL.

TYPE 3 BARRICADES @ 300' WEST OF ROUTE 251 INTERSECTION WITH "ROAD CLOSED 2 MILES AHEAD LOCAL TRAFFIC ONLY" (R11-3a)

CONTRACT NUMBER: 87810

REVISIONS			
NO.	DESCRIPTION	DATE	BY

SECTION 20-28820-01-DR
FAU RTE 6118 (NORTH 2550th ROAD)
SOLDIER PILE WALL

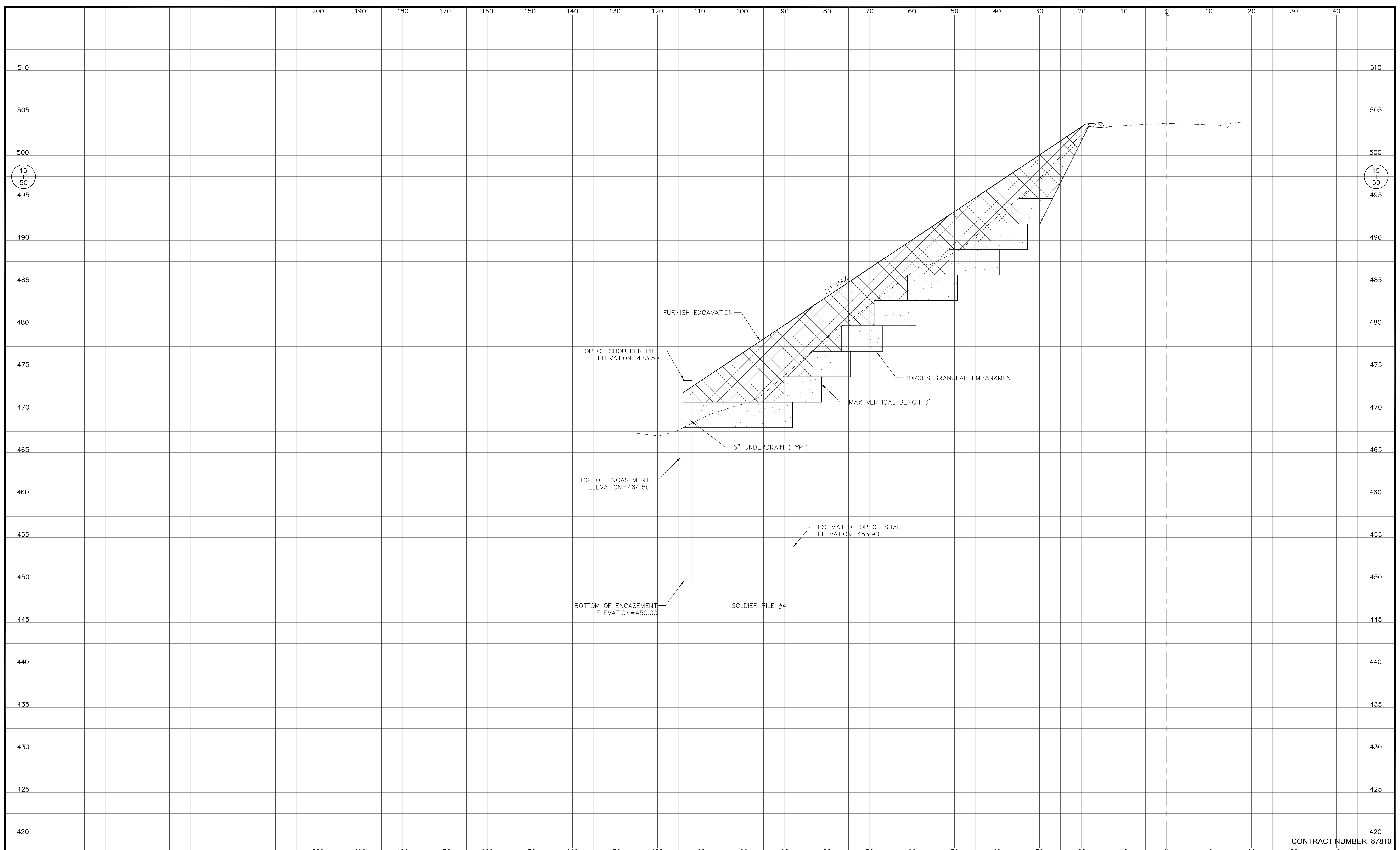
CARLS ENGINEERING & CONSULTING, LLC
314 E. CLEVELAND STREET
SPRING VALLEY, ILLINOIS 61362
PHONE (815) 343-3899

PERU OTTAWA MORRIS
ILLINOIS
Chamlin & Associates

TRAFFIC CONTROL PLAN

CONSTRUCTION PLANS

SECTION NO: 20-28820-01-DR	DRAWN BY: EPZ	DATE: 3/31/22	SHEET NO: 14 of 23
FILE NAME: 2550th_TrafficControl.dwg	CHECKED BY: EHC	SCALE: AS NOTED	



CONTRACT NUMBER: 87810

REVISIONS			
NO.	DESCRIPTION	DATE	BY

SECTION 20-28820-01-DR
 FAU RTE 6118 (NORTH 2550th ROAD)
 SOLDIER PILE WALL

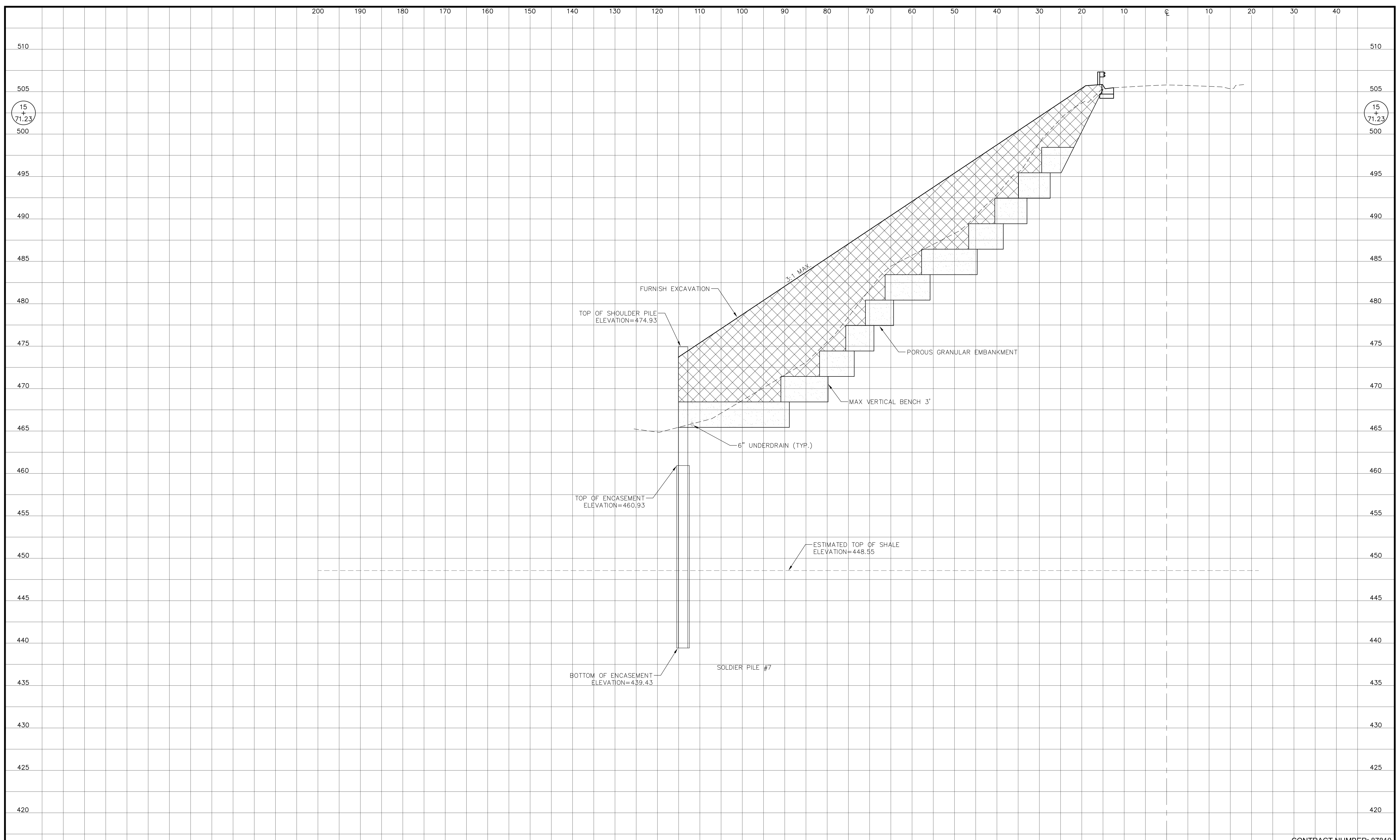
 CARLS ENGINEERING & CONSULTING, LLC
 314 E. CLEVELAND STREET
 SPRING VALLEY, ILLINOIS 61362
 PHONE (815) 343-3899

 PERU OTTAWA MORRIS
 ILLINOIS
 Chamlin & Associates

CROSS SECTIONS

CONSTRUCTION PLANS

SECTION NO: 20-28820-01-DR	DRAWN BY: EPZ	DATE: 3/31/22	SHEET NO: 15 of 23
FILE NAME: 2550th_Base_Ph2.dwg	CHECKED BY: EHC	SCALE: AS NOTED	



CONTRACT NUMBER: 87810

REVISIONS			
NO.	DESCRIPTION	DATE	BY

SECTION 20-28820-01-DR
FAU RTE 6118 (NORTH 2550th ROAD)
SOLDIER PILE WALL

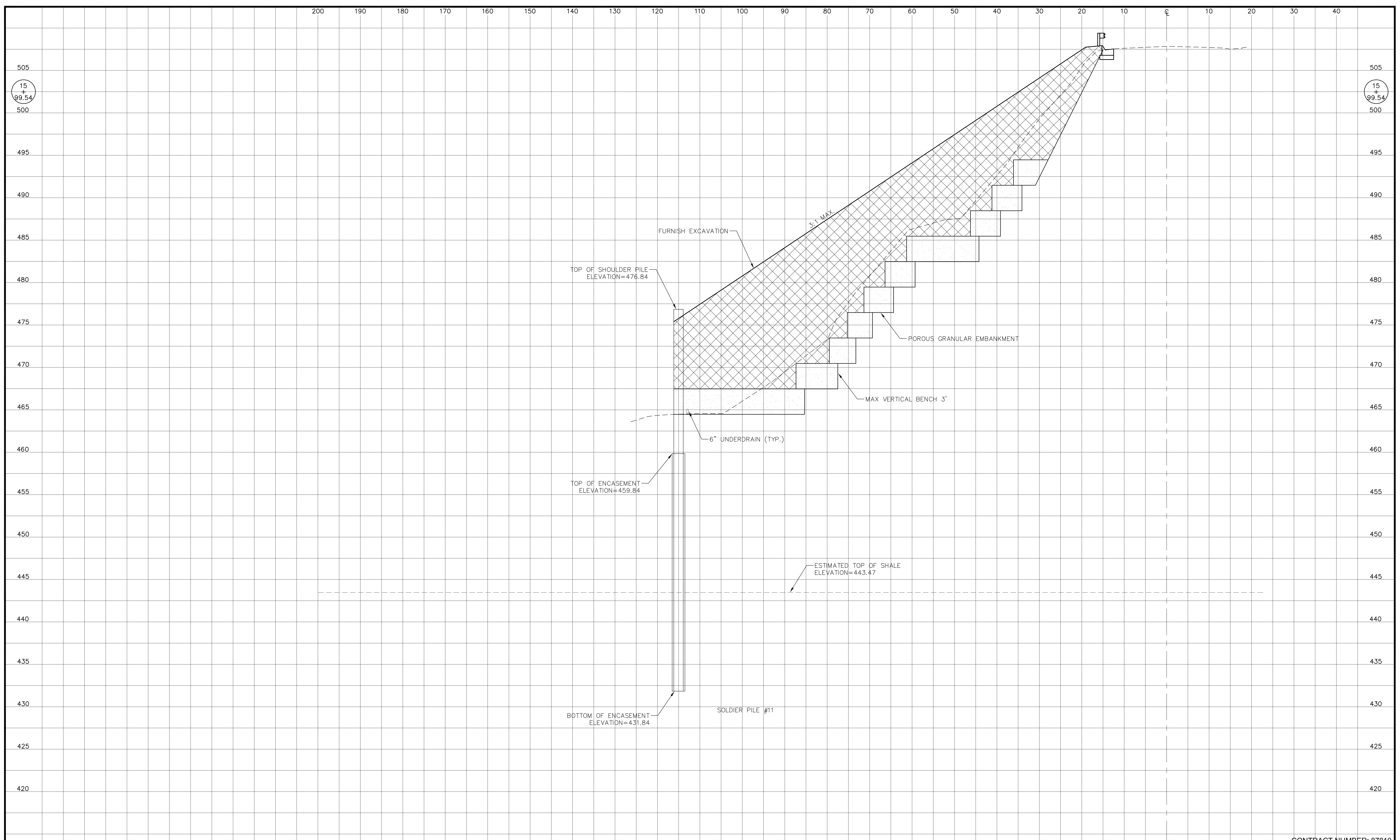
CE CARLS ENGINEERING & CONSULTING, LLC
 314 E. CLEVELAND STREET
 SPRING VALLEY, ILLINOIS 61362
 PHONE (815) 343-3899

CA PERU OTTAWA MORRIS ILLINOIS
 Chamlin & Associates

CROSS SECTIONS

CONSTRUCTION PLANS

SECTION NO: 20-28820-01-DR	DRAWN BY: EPZ	DATE: 3/31/22	SHEET NO: 16 of 23
FILE NAME: 2550th_Base_Ph2.dwg	CHECKED BY: EHC	SCALE: AS NOTED	



CONTRACT NUMBER: 87810

REVISIONS			
NO.	DESCRIPTION	DATE	BY

SECTION 20-28820-01-DR
FAU RTE 6118 (NORTH 2550th ROAD)
SOLDIER PILE WALL

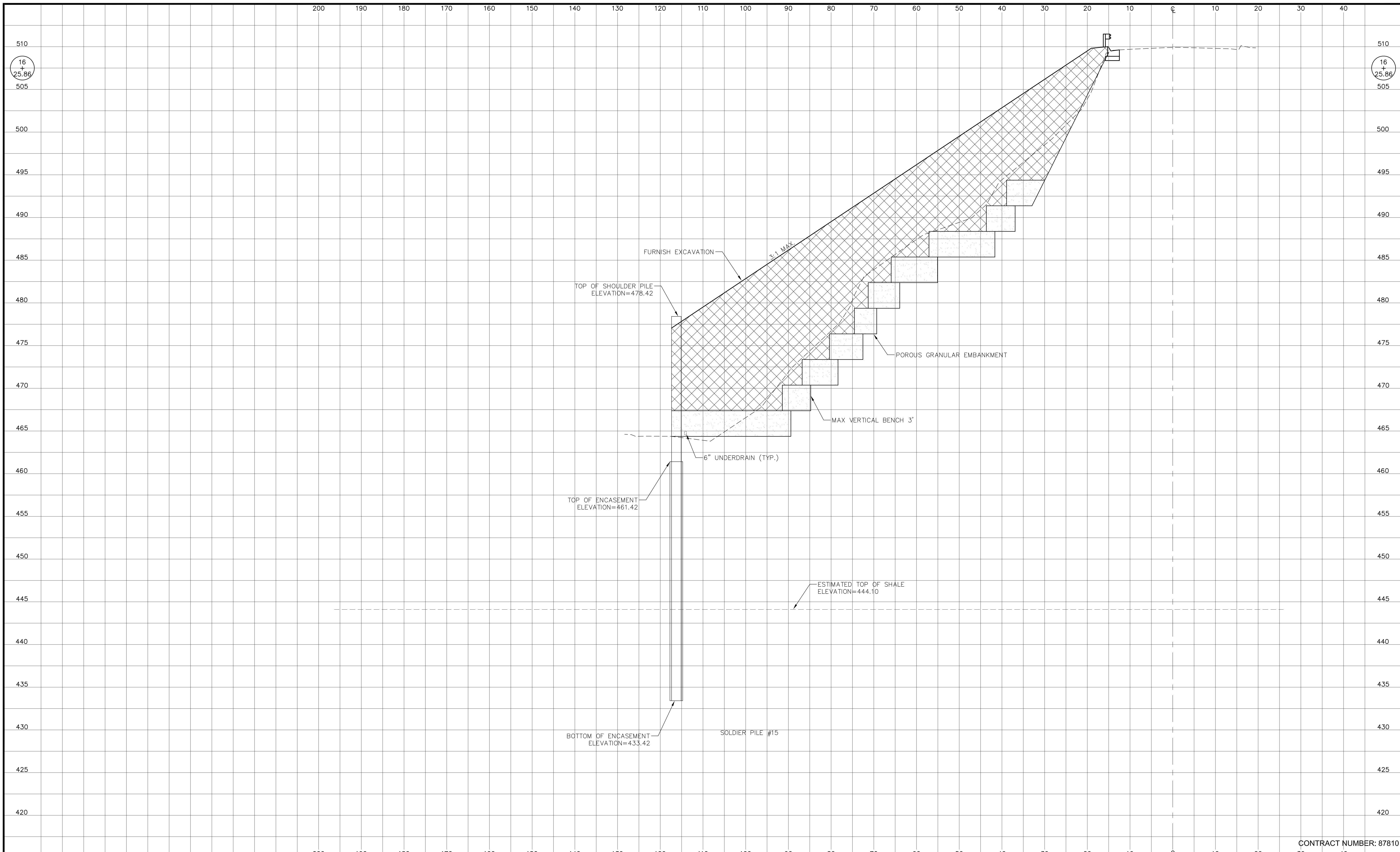
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 Chamlin & Associates

CROSS SECTIONS

CONSTRUCTION PLANS

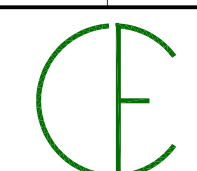
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FILE NAME: 2550th_Base_Ph2.dwg	CHECKED BY: EHC	SCALE: AS NOTED	



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SECTION 20-28820-01-DR
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SOLDIER PILE WALL



CARLS ENGINEERING & CONSULTING, LLC
 314 E. CLEVELAND STREET
 SPRING VALLEY, ILLINOIS 61362
 PHONE (815) 343-3899

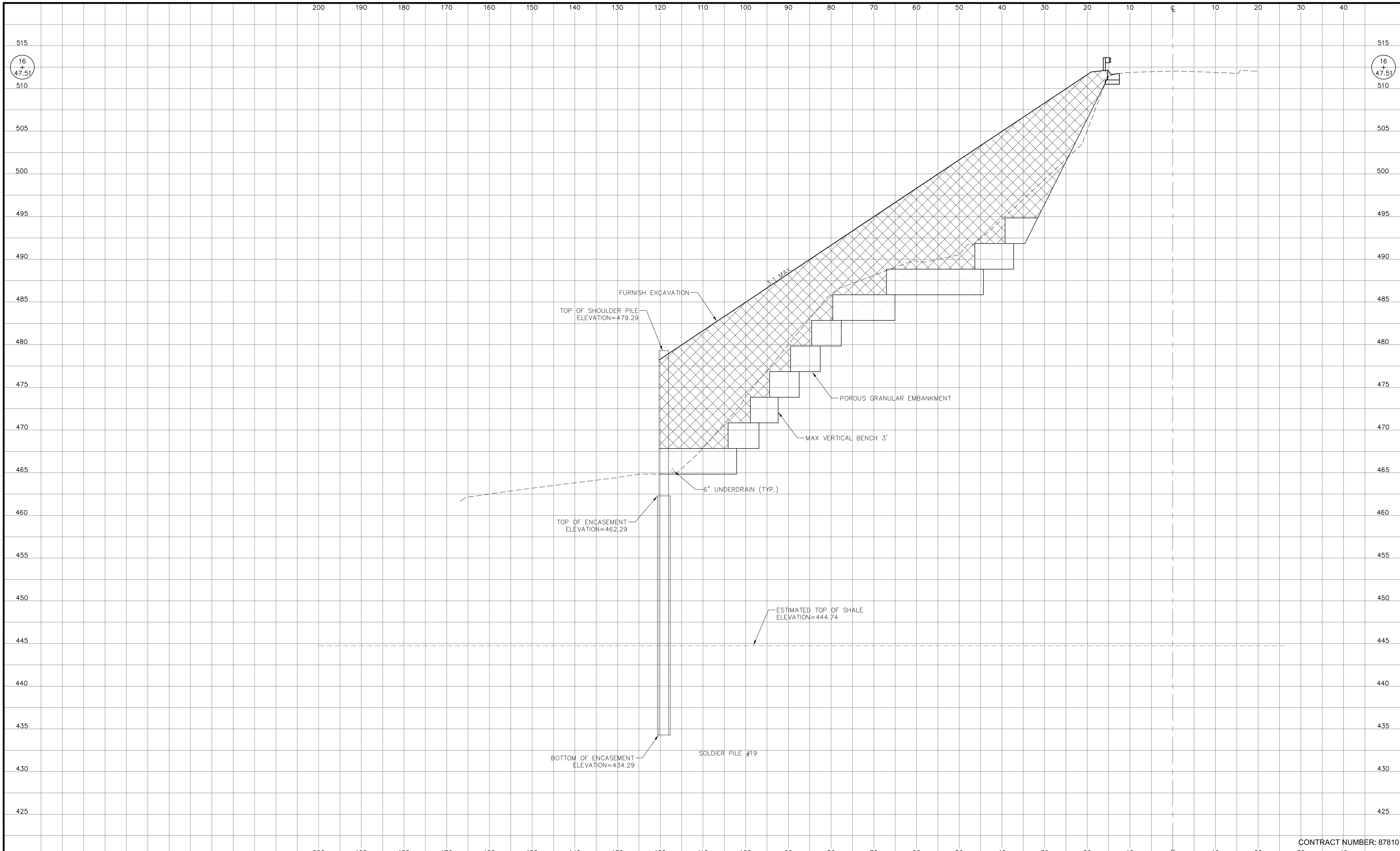


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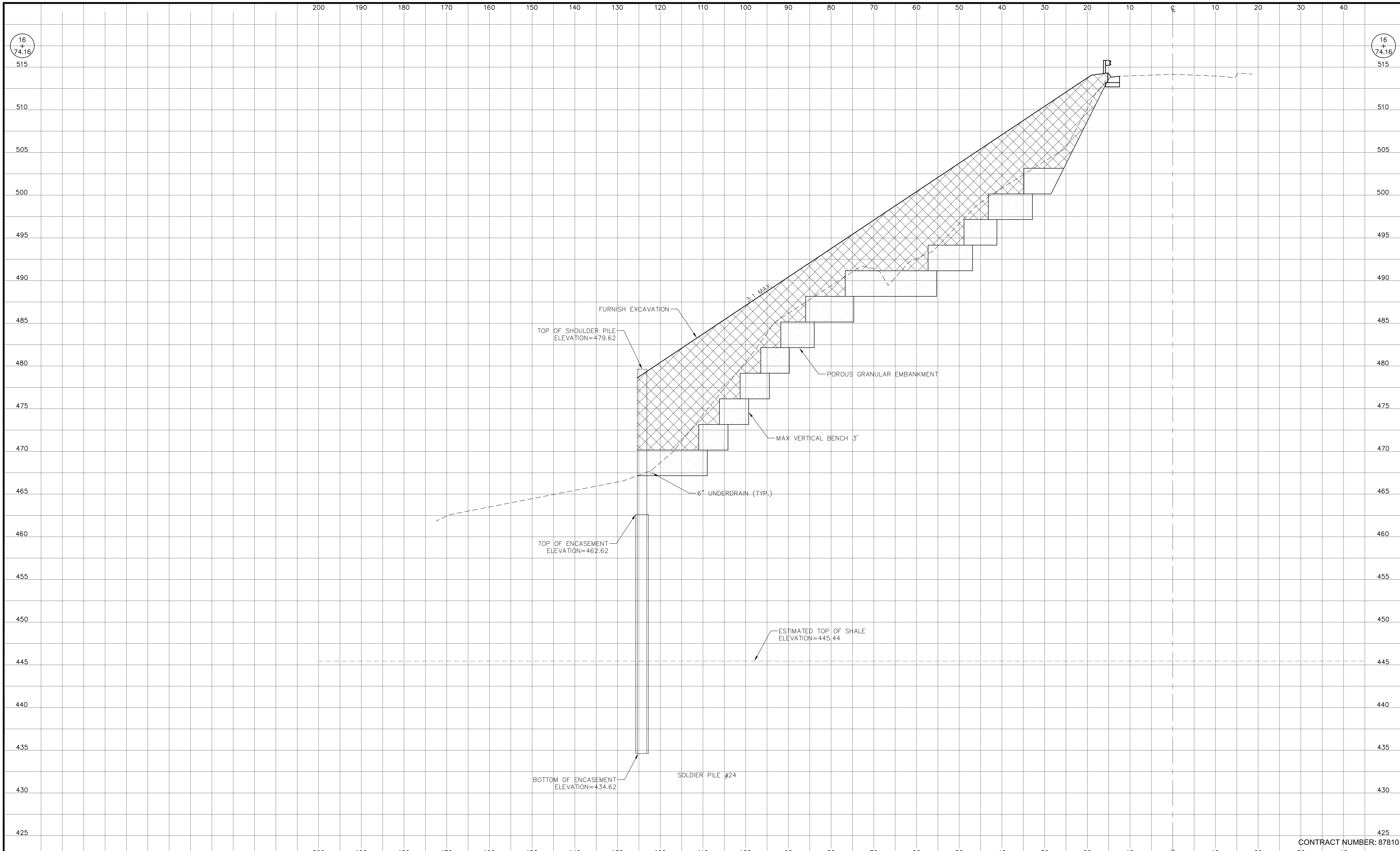
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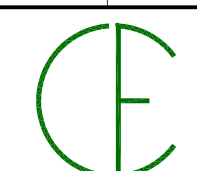
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314 E. CLEVELAND STREET
SPRING VALLEY, ILLINOIS 61362
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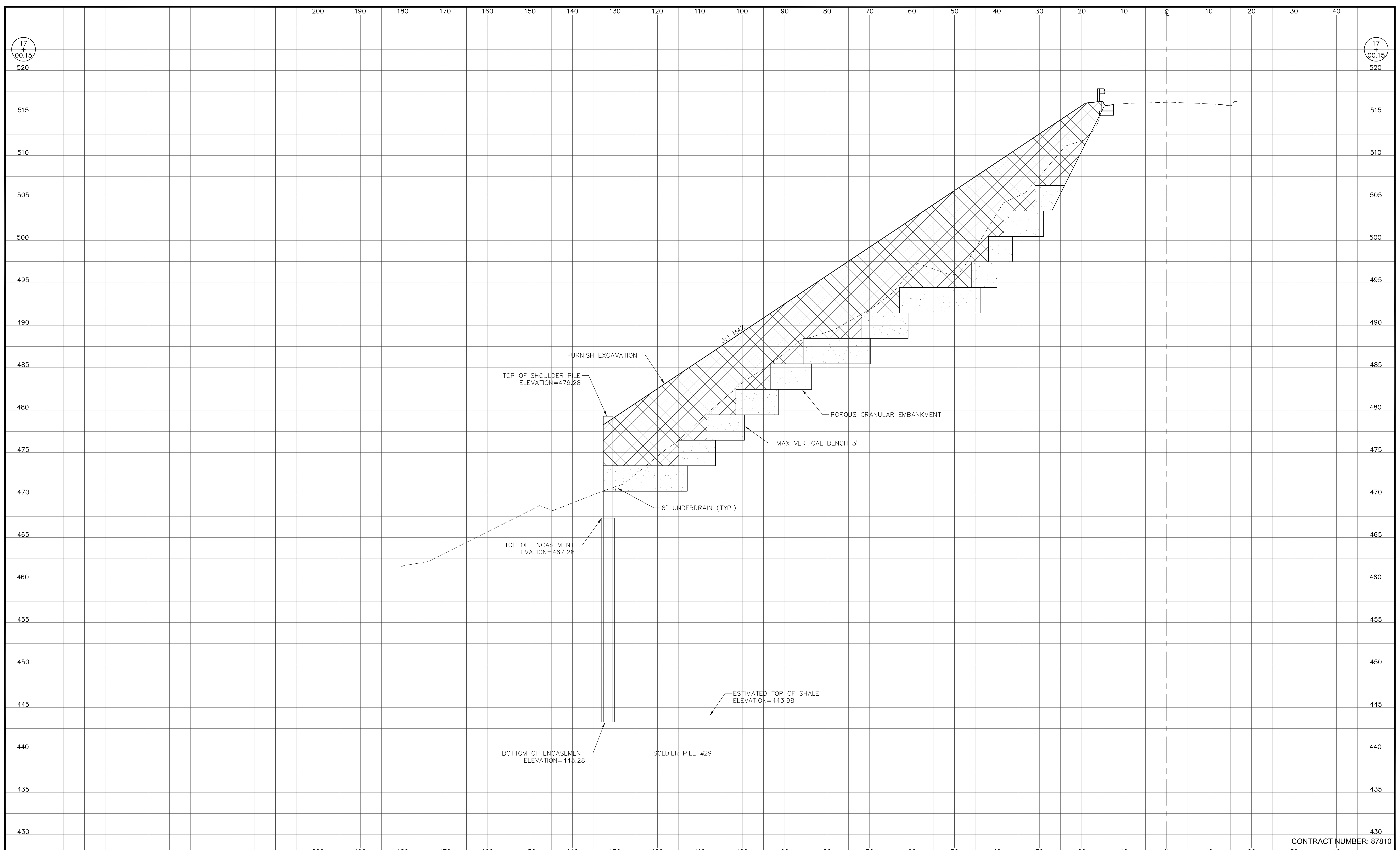


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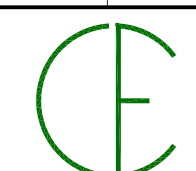
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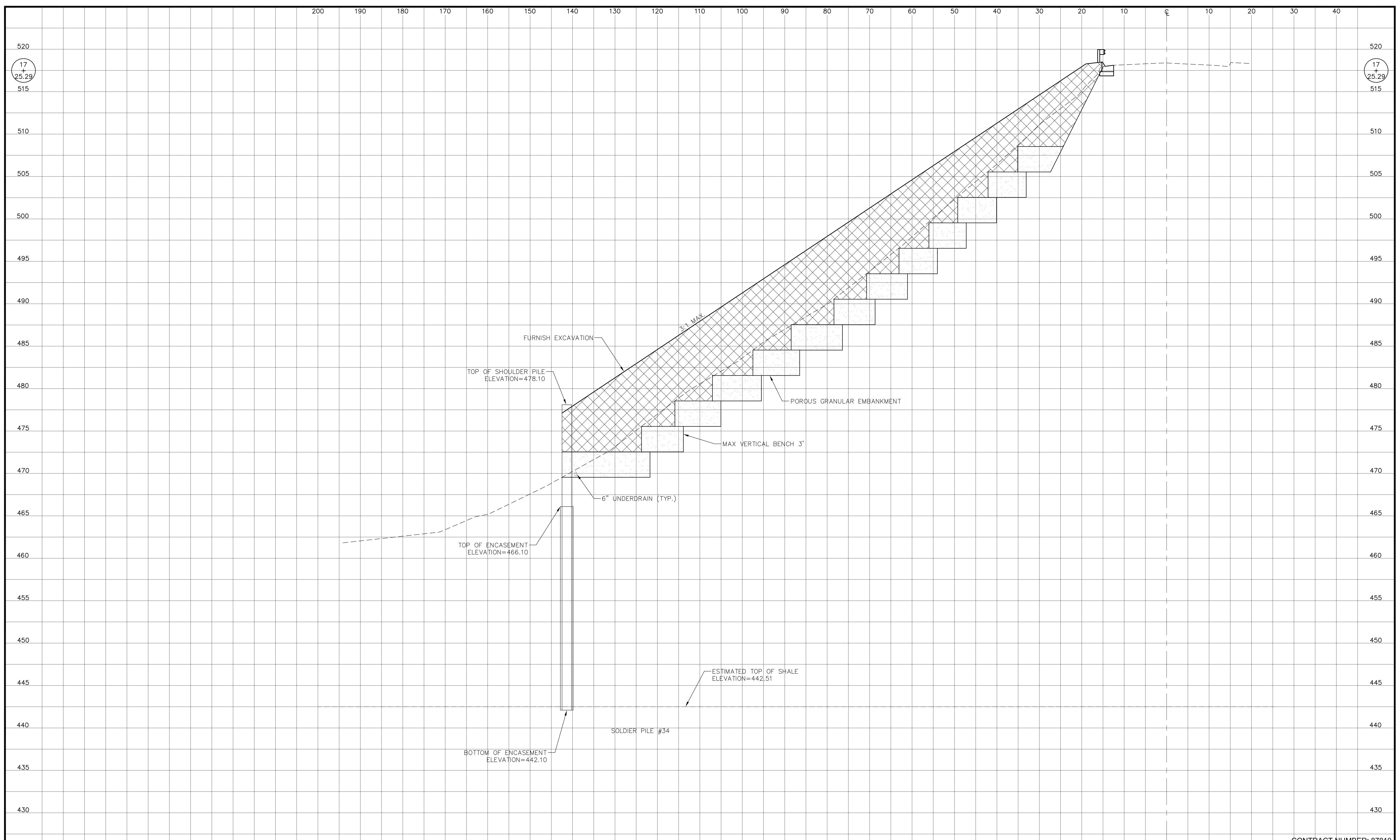
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 314 E. CLEVELAND STREET
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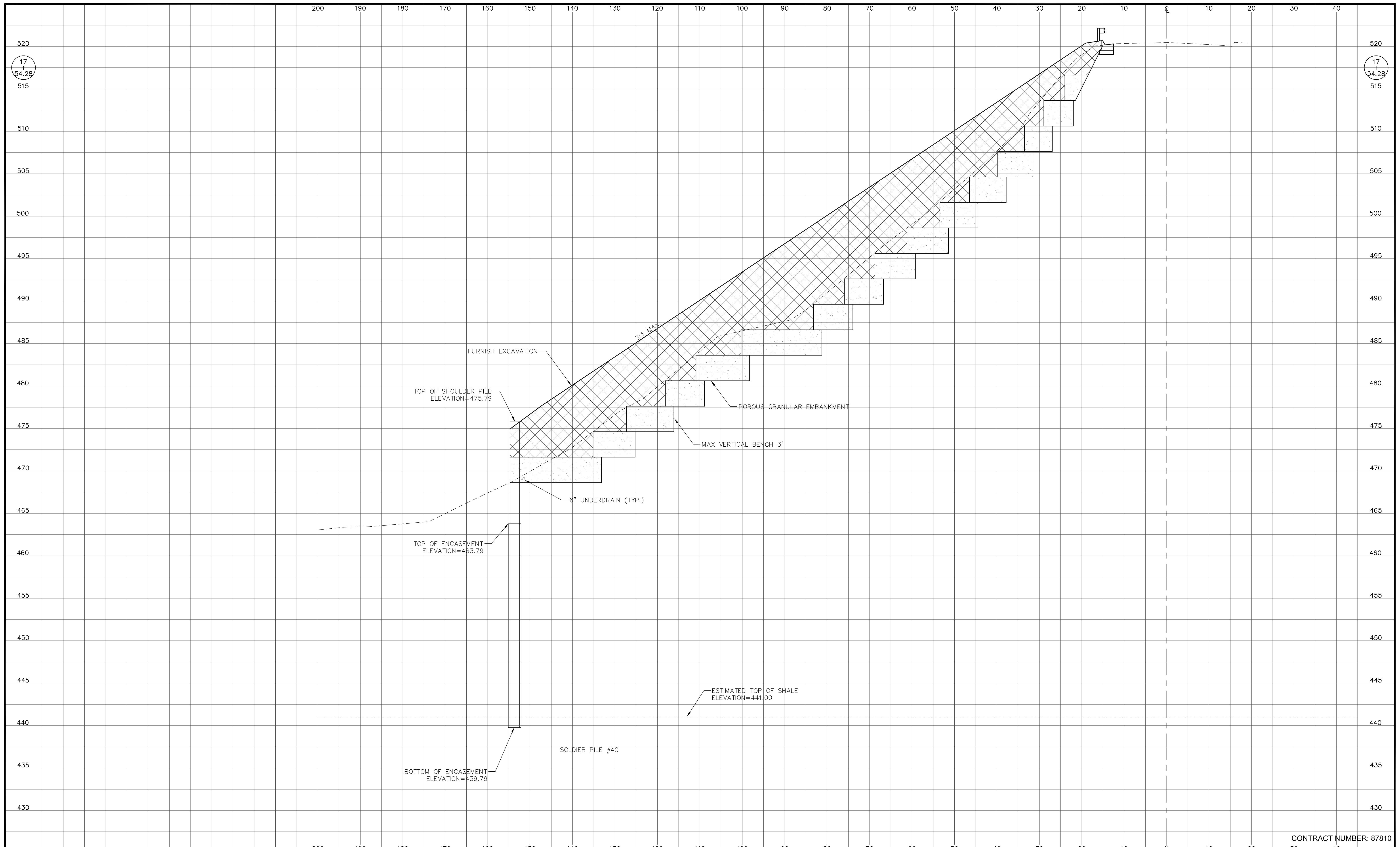
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