

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
757	(21) SLP	SCOTT	33	1
		ILLINOIS	CONTRACT NO. 72L78	

INDEX OF SHEETS

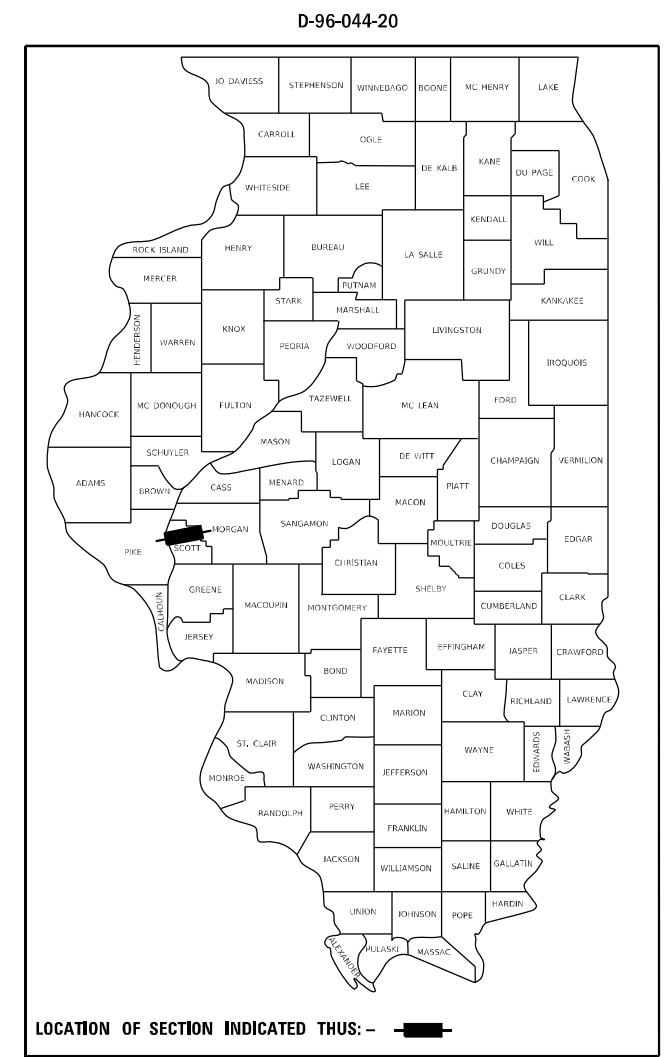
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PROPOSED HIGHWAY PLANS

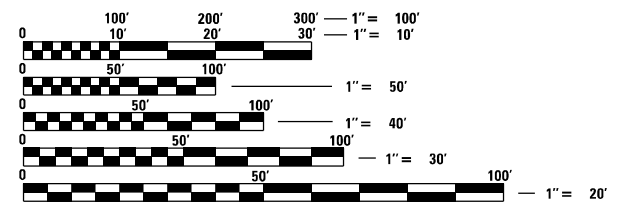
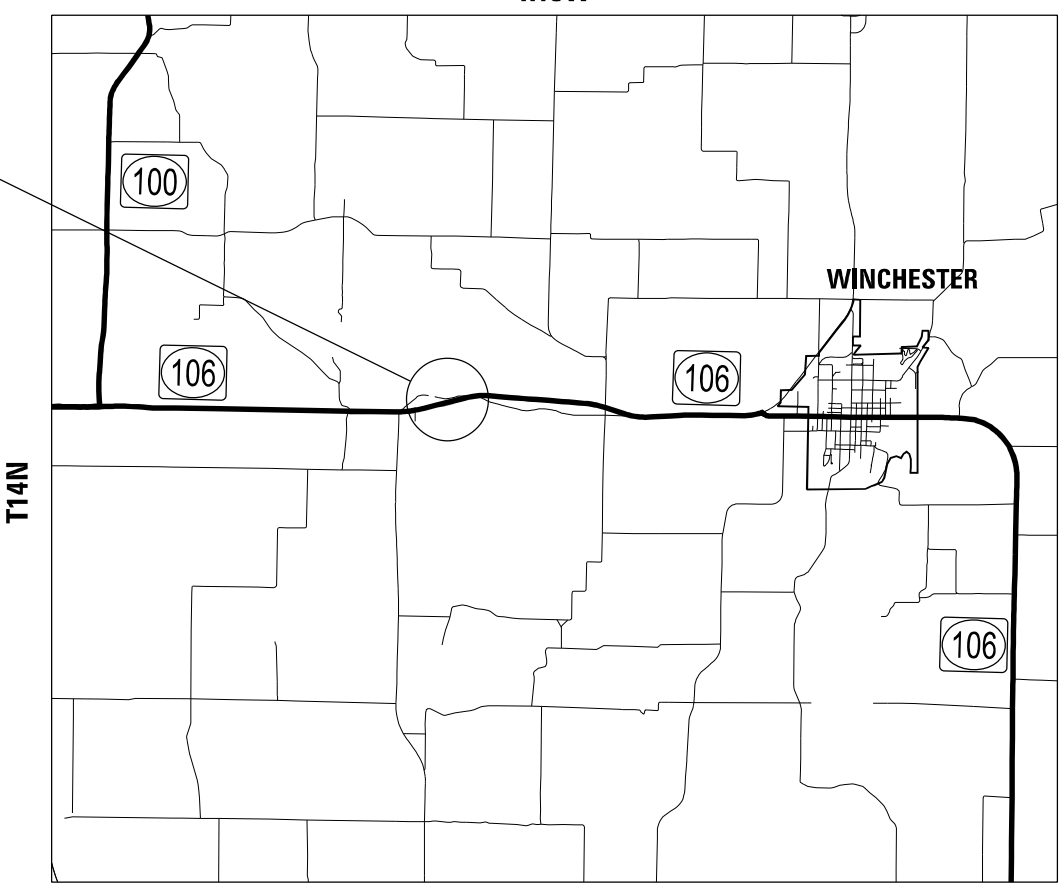
FAP 757 (IL 106)
SECTION (21) SLP
STP-W22T(850)
SLOPE STABILIZATION
SCOTT COUNTY

C-96-068-20

R13W



SLOPE STABILIZATION
BEGIN STA 42+70
END STA 44+78



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES, REDUCED SIZED 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 EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER: JON KELLEY
PROJECT MANAGER: CLOYD JACK
DESIGNER: FRANK CARABALLO
CONTRACT NO. 72L78

GROSS LENGTH = 850.00 FT. = 0.161 MILE
NET LENGTH = 208.00 FT. = 0.039 MILE

FUNCT. CLASS: MINOR ARTERIAL
ADT: 1800 (2021)
PV: 84.17%
SU: 4.44%
MU: 11.39%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 21 20 22

[Signature]
REGIONAL ENGINEER

December 9, 2022

[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

December 9, 2022

[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

GENERAL NOTES

1. THIS PROJECT IS THE MITIGATION OF AN ACTIVELY FAILING SLOPE. THE GROUND ELEVATIONS AND QUANTITIES SHOWN IN THE PLANS ARE BASED ON A DECEMBER 2021 TOPOGRAPHIC SURVEY. DIFFERENCES IN GROUND ELEVATIONS SHOWN IN THE PLANS AND THE GROUND ELEVATIONS ON SITE AT THE TIME OF CONTRACT EXECUTION ARE VERY LIKELY AND SHOULD BE ANTICIPATED.
2. AS PER ARTICLE 516.04 OF THE STANDARD SPECIFICATIONS, THE CONTRACTOR SHALL SUBMIT AN INSTALLATION PROCEDURE FOR THE DRILLED SHAFTS. THE CONTRACTOR SHOULD ANTICIPATE THE CHALLENGES OF DRILLED SHAFT INSTALLATION ON AN ACTIVELY FAILING SLOPE WHEN CREATING THE INSTALLATION PROCEDURE. THE CONTRACTOR SHOULD ALSO ANTICIPATE THAT THE EXISTING GROUND SURFACE ELEVATION MAY BE LOWER THAN THE PROPOSED TOP OF SHAFT AND WILL HAVE TO BE ABLE TO ACCOMMODATE THE CONSTRUCTION OF A DRILLED SHAFT ABOVE THE EXISTING GROUND SURFACE ELEVATION. THE CONTRACTOR MAY HAVE TO USE MULTIPLE METHODS TO CONSTRUCT THE DRILLED SHAFTS SAFELY AND PROPERLY.
3. THE INORGANIC ZINC RICH PRIMER / ACRYLIC / ACRYLIC PAINT SYSTEM SHALL BE USED FOR SHOP AND FIELD PAINTING OF EXPOSED AREAS OF NEW STRUCTURAL STEEL EXCEPT WHERE OTHERWISE NOTED. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR SURFACES SHALL BE REDDISH BROWN, MUNSELL NO. 2.5YR 3/4.

HIGHWAY STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 420001-10 PAVEMENT JOINTS
- 601101-02 CONCRETE HEADWALL FOR PIPE UNDERDRAINS
- 606201-04 TYPE B GUTTER (INLET, OUTLET & ENTRANCE)
- 701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5M) AWAY
- 701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600 MM) FROM PAVEMENT EDGE
- 701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS
- 701901-08 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS
- B.L.R. 21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

APPLICATION RATES

BITUMINOUS MATERIALS (TACK COAT) = 0.05 LBS/SQ FT (MILLED SURFACE)

HOT-MIX ASPHALT MATERIAL = 0.056 TON/SQ YD PER 1"

ROCK FILL = 1.7 TON/CU YD

POROUS GRANULAR EMBANKMENT = 1.5 TON/CU YD

MIXTURE USE	HMA SURFACE COURSE
PG	PG 64-22
DESIGN AIR VOIDS	4.0% @ N50
MIXTURE COMPOSITION	IL-9.5
FRICTION AGGREGATE	MIX "C"
MIXTURE WEIGHT	112 LB/SY*IN
QUALITY MANAGEMENT	QC/QA
SUBLOT SIZE	N/A
MTD REQUIRED	NO

NUCLEAR GAUGES WILL BE USED FOR DENSITY VERIFICATION BY THE ENGINEER FOR QC/QA ITEMS.

COMMITMENTS

1. THE CONTRACTOR SHALL CONTACT THE ILLINOIS STATE ARCHAEOLOGICAL SURVEY (ISAS) TO ARRANGE A FIELD MEETING TWO WEEKS BEFORE CONSTRUCTION BEGINS. ISAS CONTACT INFO: ASST. DIRECTOR TOM LOEBEL, 217-244-4244, tjl2@illinois.edu.
2. THE CONTRACTOR SHALL CONTACT ISAS ONE WEEK BEFORE BEGINNING WORK ON THE FARTHERMOST (SOUTHERNMOST) ROW OF THE PROPOSED WALL. ISAS CONTACT INFO: ASST. DIRECTOR TOM LOEBEL, 217-244-4244, tjl2@illinois.edu.

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PLOT DATE = 10/21/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
757	(21) SLP	SCOTT	33	2
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72L78	

CODE	ITEM	UNIT	TOTAL QUANTITY	6-01449-0000
				80% FEDERAL
				20% STATE
				RETAINING WALL
				0044
				RURAL
20200100	EARTH EXCAVATION	CU YD	428	428
20400800	FURNISHED EXCAVATION	CU YD	682	682
20700110	POROUS GRANULAR EMBANKMENT	TON	112	112
25000200	SEEDING, CLASS 2	ACRE	0.5	0.5
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	45	45
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	45	45
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	45	45
25100115	MULCH, METHOD 2	ACRE	0.5	0.5
28100105	STONE RIPRAP, CLASS A3	SQ YD	36	36
28200200	FILTER FABRIC	SQ YD	36	36
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	702	702
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	132	132
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	1560	1560
44000400	GUTTER REMOVAL	FOOT	450	450
50200100	STRUCTURE EXCAVATION	CU YD	54	54
50800105	REINFORCEMENT BARS	POUND	370170	370170
51603000	DRILLED SHAFT IN SOIL	CU YD	582	582

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PLOT DATE = 10/21/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
757	(210 SLP)	SCOTT	33	3
			CONTRACT NO. 72L78	
		ILLINOIS	FED. AID PROJECT	

CODE	ITEM	UNIT	TOTAL QUANTITY	6-01449-0000
				80% FEDERAL 20% STATE
				RETAINING WALL
				0044 RURAL
51604000	DRILLED SHAFT IN ROCK	CU YD	387	387
52200100	FURNISHING SOLDIER PILES (HP SECTION)	FOOT	857	857
52200200	DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU FT	195	195
52200205	DRILLING AND SETTING SOLDIER PILES (IN ROCK)	CU FT	3199	3199
52200255	TREATED TIMBER LAGGING	SQ FT	1704	1704
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	190	190
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	240	240
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	2	2
60602800	CONCRETE GUTTER, TYPE B	FOOT	450	450
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	14	14
* 78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	2200	2200
Z0016702	DETOUR SIGNING	L SUM	1	1
∅ Z0076600	TRAINEES	HOUR	500	500
X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1
∅ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500
* Z0054500	ROCK FILL	TON	911	911

* SPECIALTY ITEM ∅ 0042

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DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT								

RETAINING WALL																	
STATION	TO	STATION	OFFSET (FT)	LT / RT	DESCRIPTION	28100105	28200200	50800105	51603000	51604000	52200100	52200200	52200205	52200255	59100100	60100060	60146304
						STONE RIPRAP, CLASS A3	FILTER FABRIC	REINFORCEMENT BARS	DRILLED SHAFT IN SOIL	DRILLED SHAFT IN ROCK	FURNISHING SOLDIER PILES (HP SECTION)	DRILLING AND SETTING SOLDIER PILES (IN SOIL)	DRILLING AND SETTING SOLDIER PILES (IN ROCK)	TREATED TIMBER LAGGING	GEOCOMPOSITE WALL DRAIN	CONCRETE HEADWALL FOR PIPE DRAINS	PIPE UNDERDRAINS FOR STRUCTURES 4"
						SQ YD	SQ YD	POUND	CU YD	CU YD	FOOT	CU FT	CU FT	SQ FT	SQ YD	EACH	FOOT
42+70	-	44+78	23.05	RT	SOLDIER PILE WALL (SP)	36	36				857	195.0	3199	1704.0	190	2	240
42+70	-	44+78	49.3	RT	DRILLED SHAFT 1 (DS-1)			108830	168	135							
43+00	-	44+75	74.3	RT	DRILLED SHAFT 2 (DS-2)			191350	262	177							
43+00	-	44+00	94.3	RT	DRILLED SHAFT 3 (DS-3)			69990	152.0	75							
TOTALS						36	36	370170	582	387	857	195	3199	1704	190	2	240

PAVING SCHEDULE										
LOCATION				WIDTH	AREA	40600290	40604050	44000155		
STATION	TO	STATION	DESCRIPTION			BITUMINOUS MATERIAL (TACK COAT)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2"		
						FOOT	SQ FT	POUND	TON	SQ YD
IL-106										
40+50	-	46+00	DRIVING LANE	12.75	7012.5	351	66	780		
40+50	-	46+00	PASSING LANE	12.75	7012.5	351	66	780		
TOTALS						702	132	1,560		

EARTHWORK SCHEDULE														
LOCATION			EARTH EXCAVATION	STRUCTURE EXCAVATION	* EMBANKMENT	** SHRINKAGE (25%)	*** NEEDED BORROW	WASTE	20200100	50200100	20400800	20054500	20700110	
STA	TO	STA							CU YD	CU YD	CU YD	CU YD	CU YD	EARTH EXCAVATION
											TON	TON		
42+50	TO	42+75	8.59	3.61	39.86	9.15	30.71					20.70	6.26	
42+75	TO	43+00	14.06	7.06	86.85	15.84	71.01					124.97	12.69	
43+00	TO	43+25	17.29	6.20	123.1	17.62	105.48					230.86	13.05	
43+25	TO	43+50	22.00	5.39	153.8	20.55	133.25					221.24	13.39	
43+50	TO	43+75	21.57	5.81	158.03	20.54	137.49					156.11	12.34	
43+75	TO	44+00	37.19	5.89	160.04	32.31	127.73					101.59	11.30	
44+00	TO	44+25	52.23	5.19	84.31	43.06	41.25					47.38	11.65	
44+25	TO	44+50	102.15	5.67	67.17	80.86		13.69				7.25	12.02	
44+50	TO	44+75	114.20	6.05	115.67	90.19	25.48					0.20	12.37	
44+75	TO	45+00	38.47	2.85	53.6	30.99	22.61					0.20	6.26	
SUB-TOTAL										695.01	13.69			
TOTAL								427.75	53.73	1042.43	361.11	681.32		
								USE	428	54	682	911	112	

* EMBANKMENT VOLUMES CORRESPOND TO SOIL CAP AND SOLDIER PILE WALL FORESOPE.

** SHRINKAGE FACTOR OF 25% APPLIED TO EARTH EXCAVATION AND STRUCTURE EXCAVATION VOLUMES.

*** FURNISHED EXCAVATION WILL BE USED FOR SOIL CAP AND SOLDIER PILE WALL FORESLOPE.

PAVEMENT MARKING SCHEDULE						
LOCATION					DESCRIPTION	78001120
STATION	TO	STATION	TYPE	COLOR		PAINT PAVEMENT MARKING, LINE 5"
						FOOT
40+50	-	46+00	SOLID EDGE LINE (LT)	WHITE		550
40+50	-	46+00	DOUBLE SOLID CENTERLINE	DOUBLE YELLOW		1100
40+50	-	46+00	SOLID EDGE LINE (RT)	WHITE		550
TOTALS						2,200

GUTTER REPLACEMENT						
LOCATION					44000400	60602800
STATION	TO	STATION	LT / RT	DESCRIPTION	GUTTER REMOVAL	CONCRETE GUTTER, TYPE B
						FOOT
WB IL-106						
41+50		46+00	RT	GUTTER	450	450
TOTALS (USE)					450	450

SEEDING									
STATION	TO	STATION	OFFSET (FT)	LT / RT	25000200	25000400	25000500	25000600	25100115
					SEEDING, CLASS 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2
					ACRE	POUND	POUND	POUND	ACRE
IL-106 (SOUTH EMBANKMENT)									
39+00	-	44+78	24.3	RT	0.5	45	45	45	0.5
TOTAL					0.50	45	45	45	0.5

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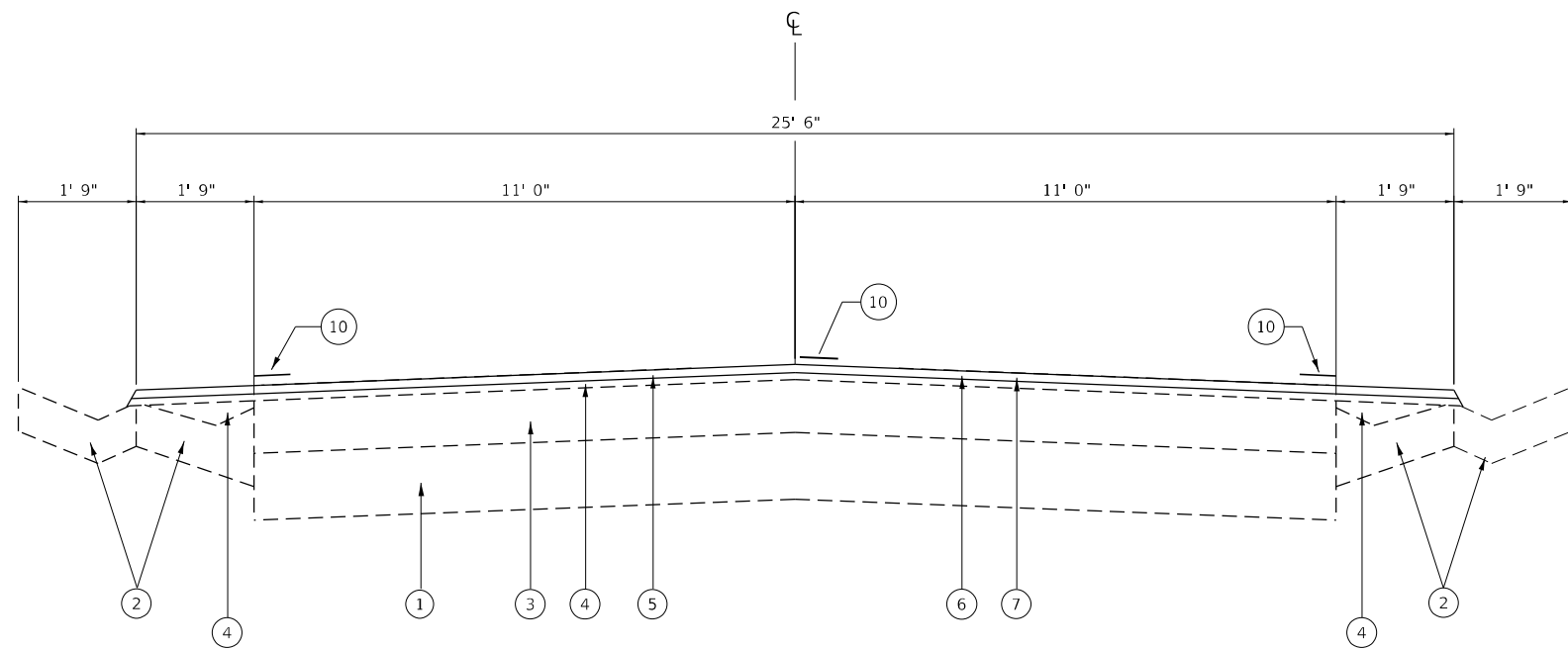
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

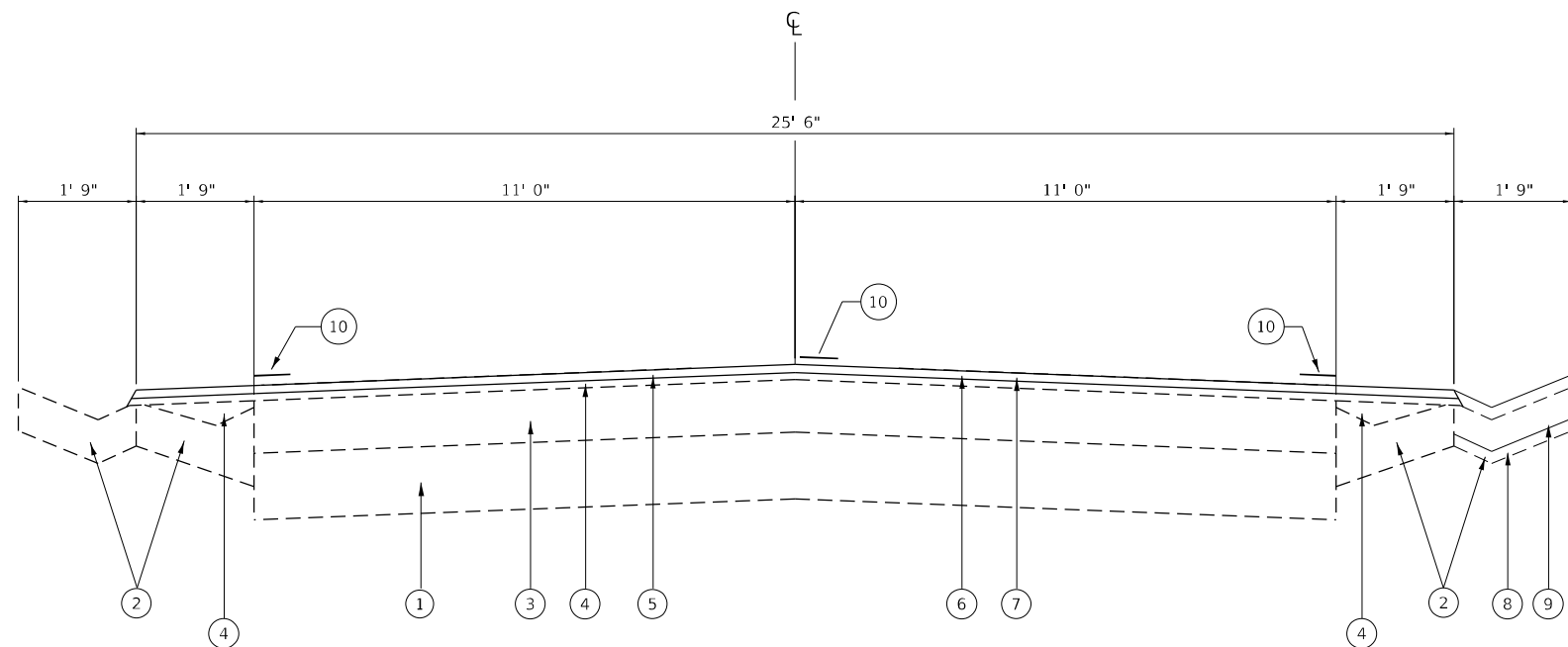
SCHEDULES OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
757	(21) SLP	SCOTT	33	5
CONTRACT NO. 72L78				
ILLINOIS FED. AID PROJECT				



TYPICAL SECTION
STA 40+50 TO STA 41+50



TYPICAL SECTION
STA 41+50 TO STA 46+00

- LEGEND**
- ① EX PCC PAVEMENT (9-9-9)
 - ② EX GUTTER - TYPE B
 - ③ EX HMA OVERLAY, (6")
 - ④ EX LEVELING BINDER, SUPER, N50 (3/4")
 - ⑤ EX POLYMERIZED BIT SURFACE CSE, SUPER "C", N50 (1 1/2")
 - ⑥ PR HMA SURFACE REMOVAL (1 1/2")
 - ⑦ PR HMA SURFACE CSE (1 1/2")
 - ⑧ PR GUTTER - TYPE B REMOVAL
 - ⑨ PR GUTTER - TYPE B
 - ⑩ PR PAVEMENT MARKING - LINE 5"

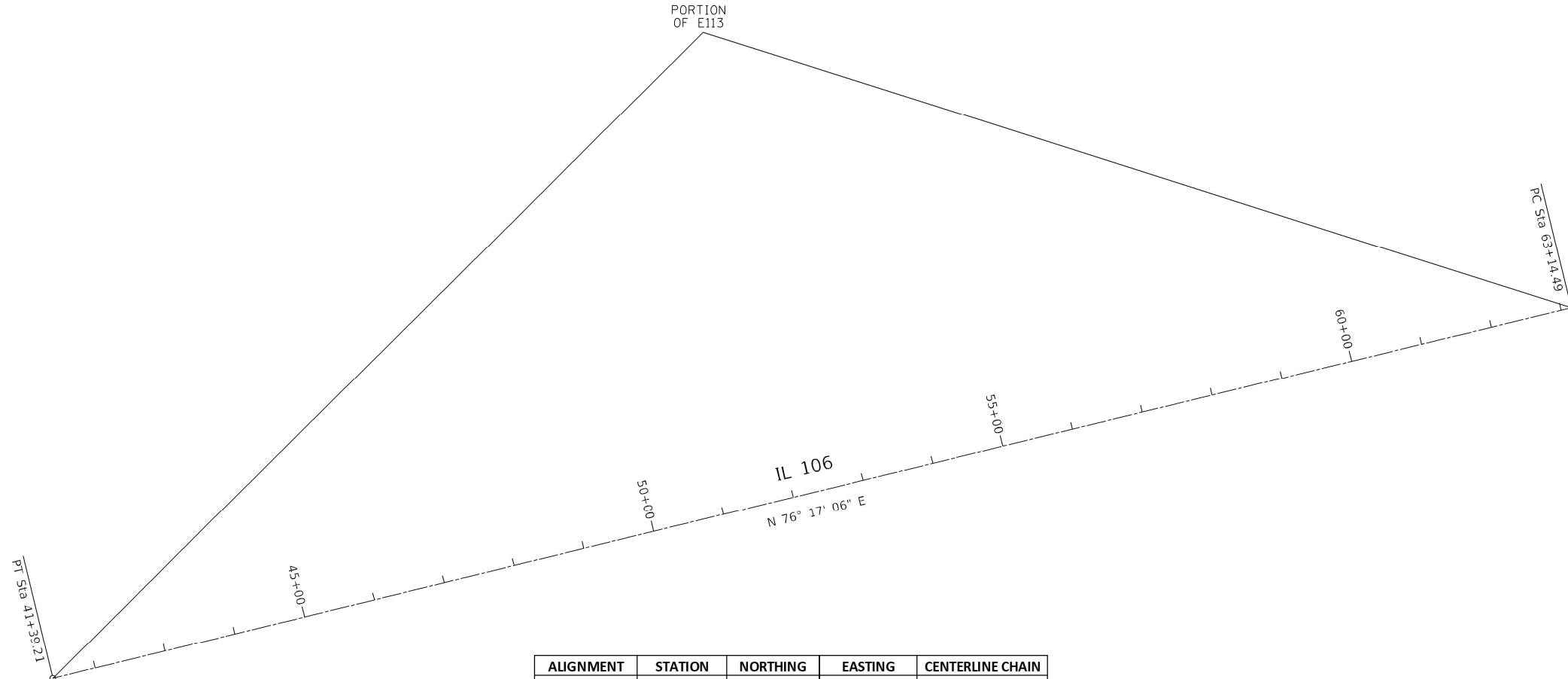
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PLOT DATE = 10/20/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTION IL 106			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
757	(21) SLP	SCOTT	33	6
CONTRACT NO. 72L78				
ILLINOIS FED. AID PROJECT				



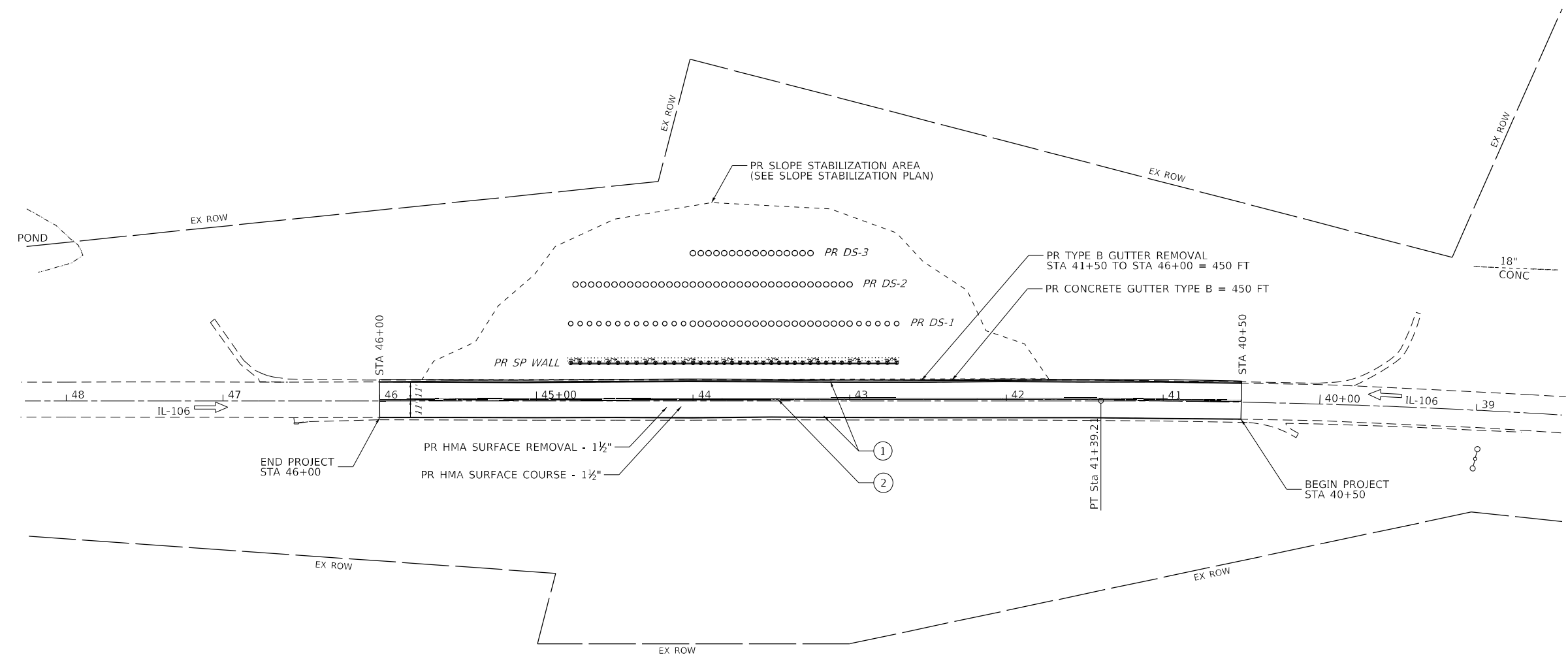
ALIGNMENT	STATION	NORTHING	EASTING	CENTERLINE CHAIN
PT	41+39.21	1079516.990	2195673.427	E113
PC	63+14.49	1080032.728	2197786.684	E113
NAD83/2007 ADJ				
IL STATE PLANE WEST ZONE				

CONTROL POINT	NORTHING	EASTING	NAVD 88 ELEV	STATION	OFFSET	DESCRIPTION	CENTERLINE CHAIN
2000	1079447.386	2195475.220	480.682	39+31.18	25.17	#4 REBAR WITH CAP	E113
2001	1079554.459	2195745.020	488.198	42+17.65	-19.43	#4 REBAR WITH CAP	E113
2002	1079608.789	2195961.346	489.814	44+40.69	-20.92	#4 REBAR WITH CAP	E113
2003	1079624.770	2196202.647	487.033	46+78.90	20.77	#4 REBAR WITH CAP	E113
2004	1079695.563	2196488.752	483.831	49+73.63	19.82	#4 REBAR WITH CAP	E113
NAD83/2007 ADJ							
IL STATE PLANE WEST ZONE							

BENCHMARK	NAVD 88 ELEV	DESCRIPTION	STATION	OFFSET	CENTERLINE CHAIN
BM RK-1	486.472	CUT SQUARE IN EXPOSED SANDSTONE BLUFF ON NORTH SIDE OF IL 106, +/- 20 FEET NORTHEAST OF GUTTER FLAG	40+35.63	-28.02	E113
BM RK-2	493.129	CUT SQUARE IN EXPOSED SANDSTONE BLUFF ACROSS FROM SLIDE AREA ON NORTH SIDE OF IL 106	43+42.98	-25.03	E113
BM RK-3	488.418	CUT SQUARE IN NORTHWEST CONCRETE FOUNDATION TO DROP INLET OF GUTTER, NORTH OF NORTHWEST CORNER TO CAST IRON INLET ON NORTH SIDE OF IL 106	46+52.13	-14.65	E113

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			SCALE: 1" = 200	SHEET 1 OF 1 SHEETS	STA. 41+39.21 TO STA. 63+14.49	ILLINOIS FED. AID PROJECT			



PAVEMENT MARKING LEGEND	
①	PAINT PAVEMENT MARKING - 5" (SOLID WHITE)
②	PAINT PAVEMENT MARKING - 5" (DOUBLE SOLID YELLOW)

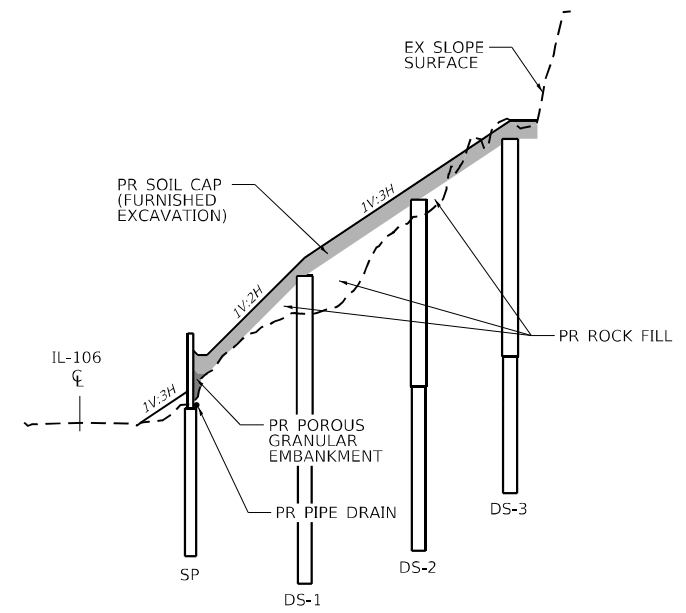
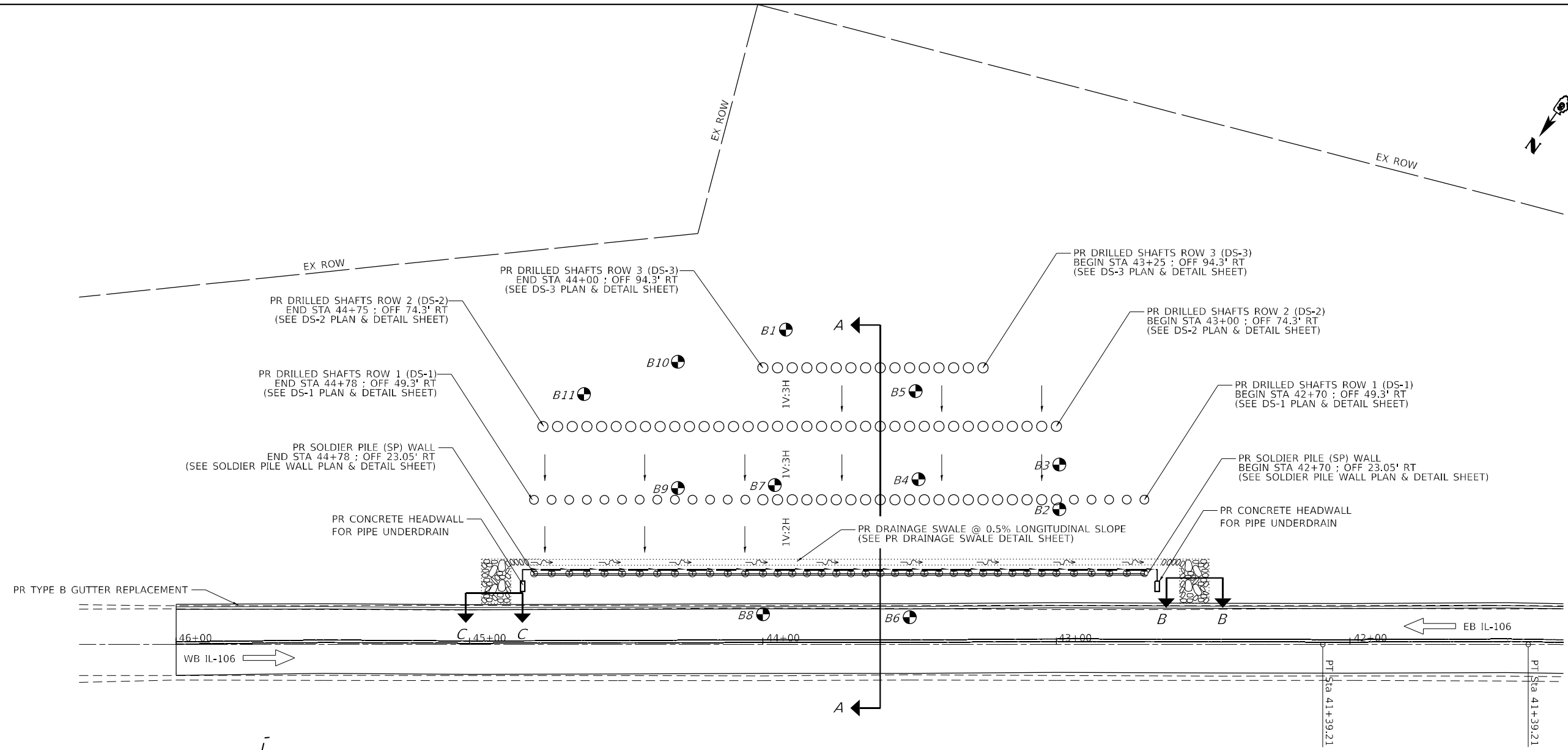
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PLOT DATE = 10/20/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

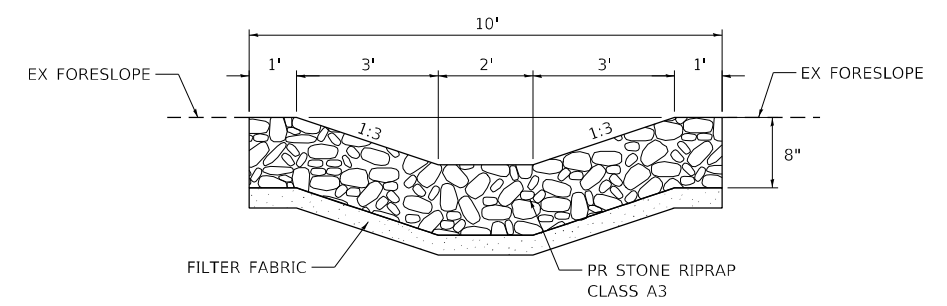
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
757	(21) SLP	SCOTT	33	8
CONTRACT NO. 72L78				
ILLINOIS FED. AID PROJECT				



SECTION A-A
(SEE SOLDIER PILE WALL PLAN & DETAIL SHEET)

SOIL BORINGS		
BORING NO.	STATION	OFFSET (FT)
B1	43+92.79	104.6 RT
B2	42+98.62	45.14 RT
B3	42+98.94	59.2 RT
B4	43+47.55	53.75 RT
B5	43+49.64	84.1 RT
B6	43+50.64	7.24 RT
B7	43+96.1	52.4 RT
B8	44+00.34	8.31 RT
B9	44+29.26	51.02 RT
B10	44+32.85	93.41 RT
B11	44+61.64	82.98 RT

TOTAL BILL OF MATERIAL			
ITEM	UNIT	TOTAL	
GEOCOMPOSITE WALL DRAIN	SQ YD	190	
TREATED TIMBER LAGGING	SQ FT	1704	
FURNISHING SOLDIER PILES (HP SECTION)	FOOT	857	
PIPE UNDERDRAINS FOR STRUCTURES, 4"	FOOT	240	
DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU FT	195	
DRILLING AND SETTING SOLDIER PILES (IN ROCK)	CU FT	3199	
DRILLED SHAFT IN SOIL	CU YD	582	
DRILLED SHAFT IN ROCK	CU YD	387	
REINFORCEMENT BARS	POUND	370170	
STONE RIPRAP, CLASS A3	SQ YD	36	
FILTER FABRIC	SQ YD	36	



SECTIONS B-B AND C-C

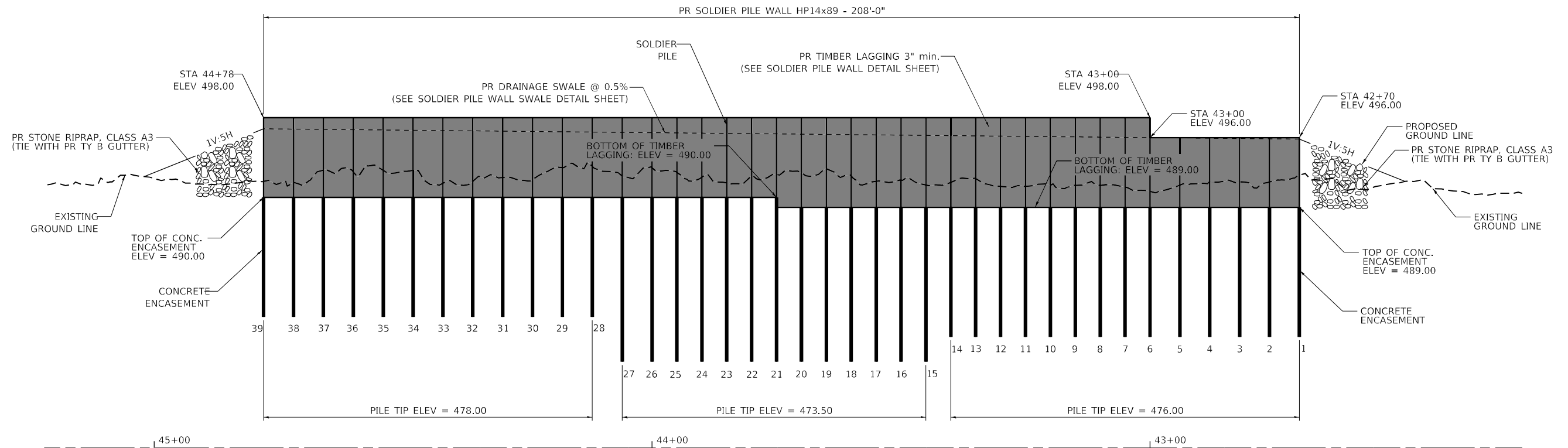
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 USER: Frank.Caraballo
 DATE: 12/16/2022

USER NAME = Frank.Caraballo	DESIGNED - DHC LTM	REVISED -
PLOT SCALE = 40,0000 * / in.	DRAWN - FJC	REVISED -
PLOT DATE = 12/16/2022	CHECKED - GH, JK, CAJ	REVISED -
	DATE - 9/16/22	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PR SLOPE STABILIZATION PLAN			
IL-106			
SCALE:	SHEET 1	OF 10 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
757	(21) SLP	SCOTT	33	9
CONTRACT NO. 72L78				
ILLINOIS FED. AID PROJECT				



SOLDIER PILE WALL ELEVATION
(Looking at Front Face of Wall)

BILL OF MATERIAL		
ITEM	UNIT	TOTAL
GEOCOMPOSITE WALL DRAIN	SQ YD	190
TREATED TIMBER LAGGING	SQ FT	1704
FURNISHING SOLDIER PILES (HP SECTION)	FOOT	857
PIPE UNDERDRAINS FOR STRUCTURES, 4"	FOOT	240
DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU FT	195
DRILLING AND SETTING SOLDIER PILES (IN ROCK)	CU FT	3199

- NOTE:
DESIGN STRESSES
- fb = 1,400 psi (TREATED TIMBER LAGGING)
 - fy = 50,000 psi (M270 GRADE 50)

SOLDIER PILE WALL SCHEDULE							
PILE NO.	STATION	TOP OF PILE ELEV	TOP OF ROCK ELEVATION	TIP ELEVATION	52200100	52200200	52200205
					FURNISHING SOLDIER PILES (HP SECTION)	DRILLING AND SETTING SOLDIER PILES (N SOIL)	DRILLING AND SETTING SOLDIER PILES (IN ROCK)
					FOOT	CU FT	CU FT
1	42+70	496	488	476	20	5	81.0
2	42+76	496	488	476	20	5	81.0
3	42+82	496	488	476	20	5	81.0
4	42+88	496	488	476	20	5	81.0
5	42+94	496	488	476	20	5	81.0
6	43+00	498	489	476	22	5	81.0
7	43+05	498	489	476	22	5	81.0
8	43+10	498	489	476	22	5	81.0
9	43+15	498	489	476	22	5	81.0
10	43+20	498	489	476	22	5	81.0
11	43+25	498	489	476	22	5	81.0
12	43+30	498	489	476	22	5	81.0
13	43+35	498	489	476	22	5	81.0
14	43+40	498	488	476	22	5	81.0
15	43+45	498	486.5	473.5	24.5	5	93.2
16	43+50	498	485.5	473.5	24.5	5	93.2
17	43+55	498	485.5	473.5	24.5	5	93.2
18	43+60	498	485.5	473.5	24.5	5	93.2
19	43+65	498	485.5	473.5	24.5	5	93.2
20	43+70	498	485.5	473.5	24.5	5	93.2
21	43+75	498	485.5	473.5	24.5	5	93.2

SOLDIER PILE WALL SCHEDULE (CONT'D)							
PILE NO.	STATION	TOP OF PILE ELEV	TOP OF ROCK ELEVATION	TIP ELEVATION	52200100	52200200	52200205
					FURNISHING SOLDIER PILES (HP SECTION)	DRILLING AND SETTING SOLDIER PILES (IN SOIL)	DRILLING AND SETTING SOLDIER PILES (IN ROCK)
					FOOT	CU FT	CU FT
22	4380	498	485.5	473.5	24.5	5	93.2
23	4385	498	485.5	473.5	24.5	5	93.2
24	4390	498	485.5	473.5	24.5	5	93.2
25	4395	498	486	473.5	24.5	5	93.2
26	4400	498	486.5	473.5	24.5	5	93.2
27	4406	498	488	473.5	24.5	5	93.2
28	4412	498	489	478	20	5	71.1
29	4418	498	489	478	20	5	71.1
30	4424	498	489	478	20	5	71.1
31	4430	498	489	478	20	5	71.1
32	4436	498	489	478	20	5	71.1
33	4442	498	489	478	20	5	71.1
34	4448	498	489	478	20	5	71.1
35	4454	498	489	478	20	5	71.1
36	4460	498	489	478	20	5	71.1
37	4466	498	489	478	20	5	71.1
38	4472	498	489	478	20	5	71.1
39	4478	498	489	478	20	5	71.1
TOTALS					856.5	195	3198.9
USE					857	195	3199

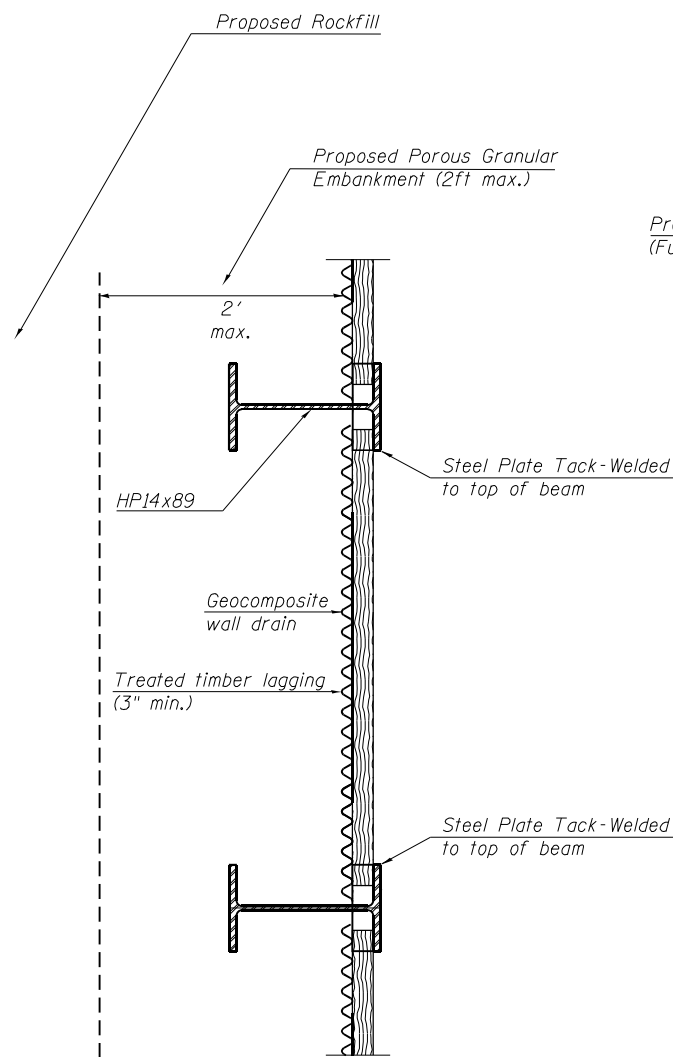
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USER NAME = Frank.Caraballo	DESIGNED - DHC LTM	REVISED -
PLOT SCALE = 40,0000 * / in.	DRAWN - FJC	REVISED -
PLOT DATE = 12/6/2022	CHECKED - GH, JK, CAJ	REVISED -
	DATE - 9/16/22	REVISED -

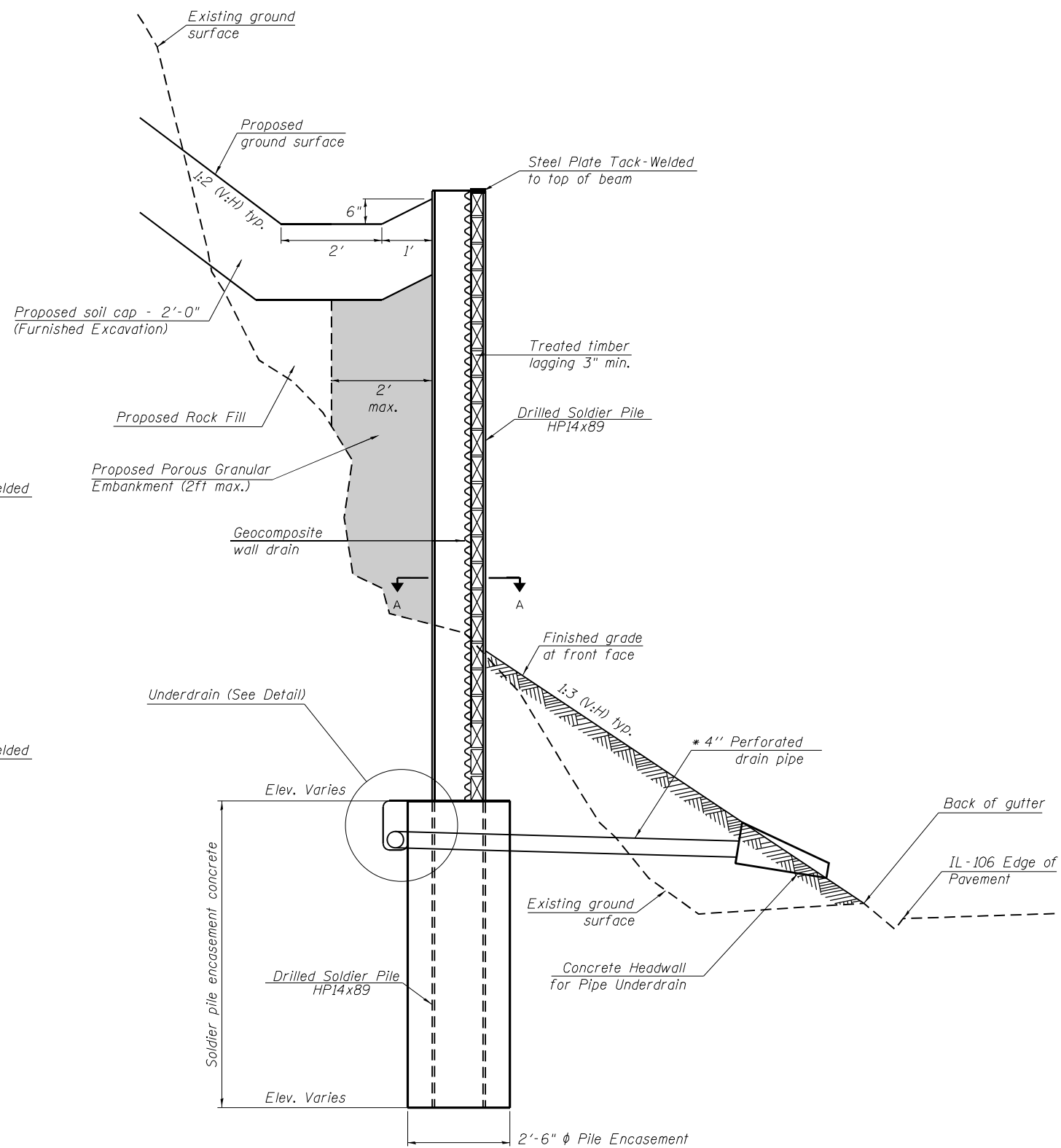
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SOLDIER PILE (SP) WALL PLAN			
SCALE:	SHEET 2	OF 10 SHEETS	STA. TO STA.

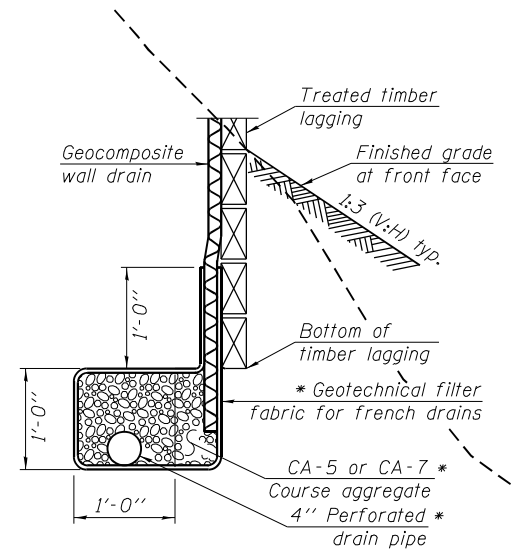
F.A.P. RTE. 757	SECTION (21) SLP	COUNTY SCOTT	TOTAL SHEETS 33	SHEET NO. 10
CONTRACT NO. 72L78				
ILLINOIS FED. AID PROJECT				



SECTION A-A

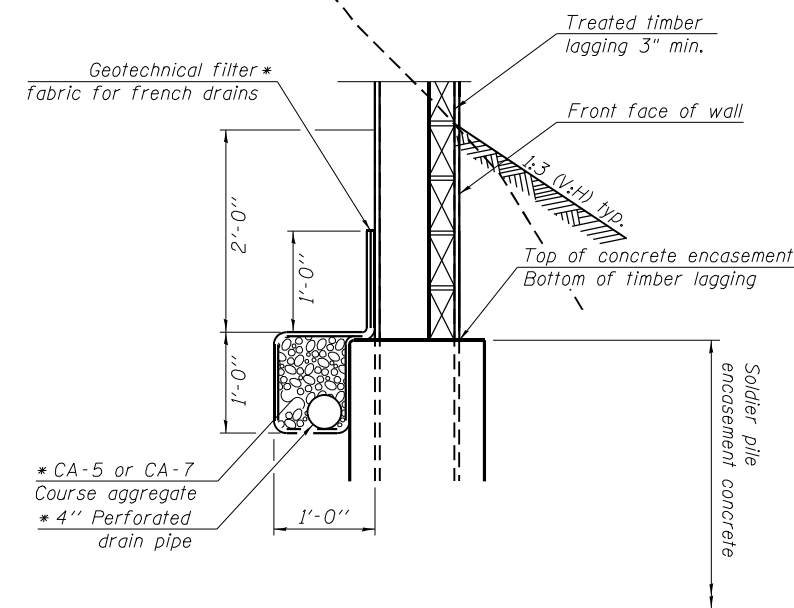


SOLDIER PILE WALL ENDS TYPICAL SECTION



UNDERDRAIN DETAIL BETWEEN SOLDIER PILES

* Included in the cost of Pipe Underdrains for Structures.



UNDERDRAIN DETAIL AT SOLDIER PILES

* Included in the cost of Pipe Underdrains for Structures.

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 PLOT DATE: 10/20/2022

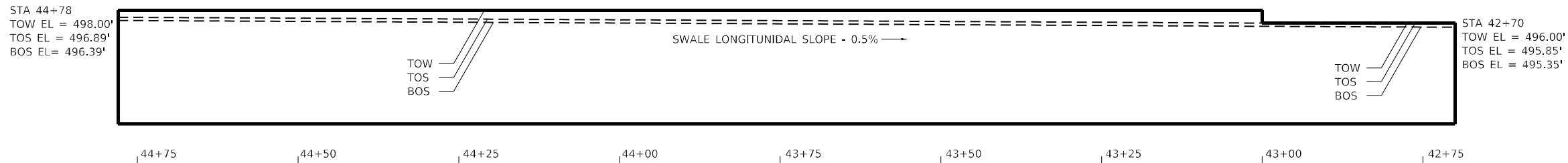
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DRAWN - FJC	REVISIONS -	
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PLOT DATE = 10/20/2022	DATE - 9/16/22	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

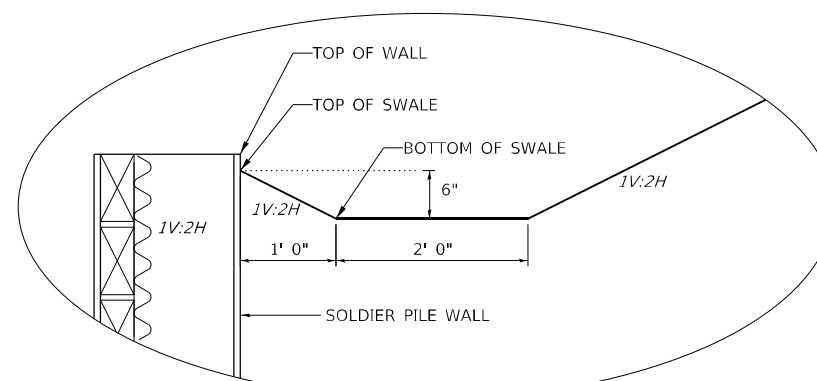
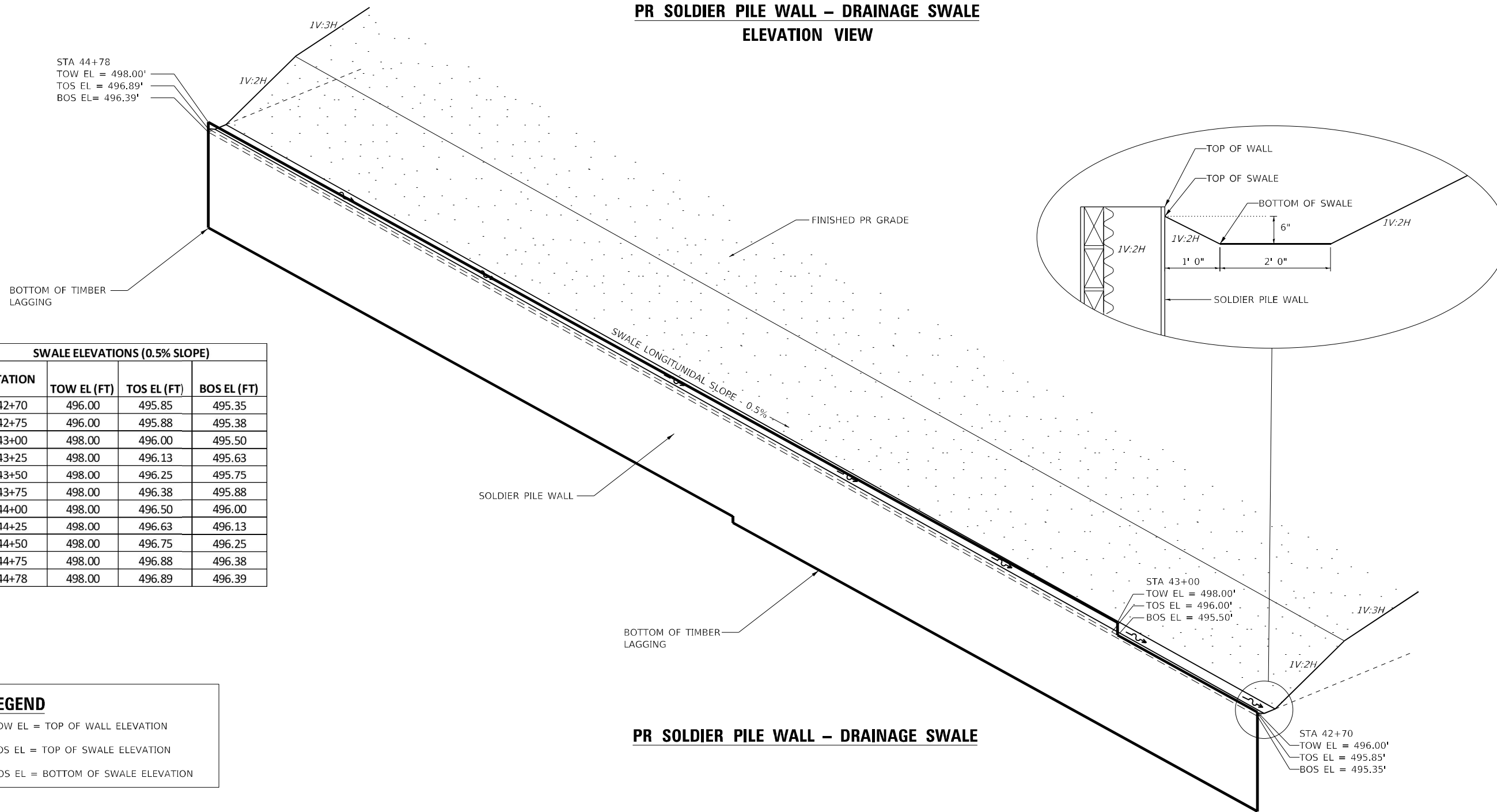
SOLDIER PILE WALL DETAIL

SCALE: SHEET 3 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
757	(21) SLP	SCOTT	33	11
CONTRACT NO. 72L78				
ILLINOIS FED. AID PROJECT				



**PR SOLDIER PILE WALL – DRAINAGE SWALE
ELEVATION VIEW**



SWALE ELEVATIONS (0.5% SLOPE)			
STATION	TOW EL (FT)	TOS EL (FT)	BOS EL (FT)
42+70	496.00	495.85	495.35
42+75	496.00	495.88	495.38
43+00	498.00	496.00	495.50
43+25	498.00	496.13	495.63
43+50	498.00	496.25	495.75
43+75	498.00	496.38	495.88
44+00	498.00	496.50	496.00
44+25	498.00	496.63	496.13
44+50	498.00	496.75	496.25
44+75	498.00	496.88	496.38
44+78	498.00	496.89	496.39

LEGEND

TOW EL = TOP OF WALL ELEVATION

TOS EL = TOP OF SWALE ELEVATION

BOS EL = BOTTOM OF SWALE ELEVATION

PR SOLDIER PILE WALL – DRAINAGE SWALE

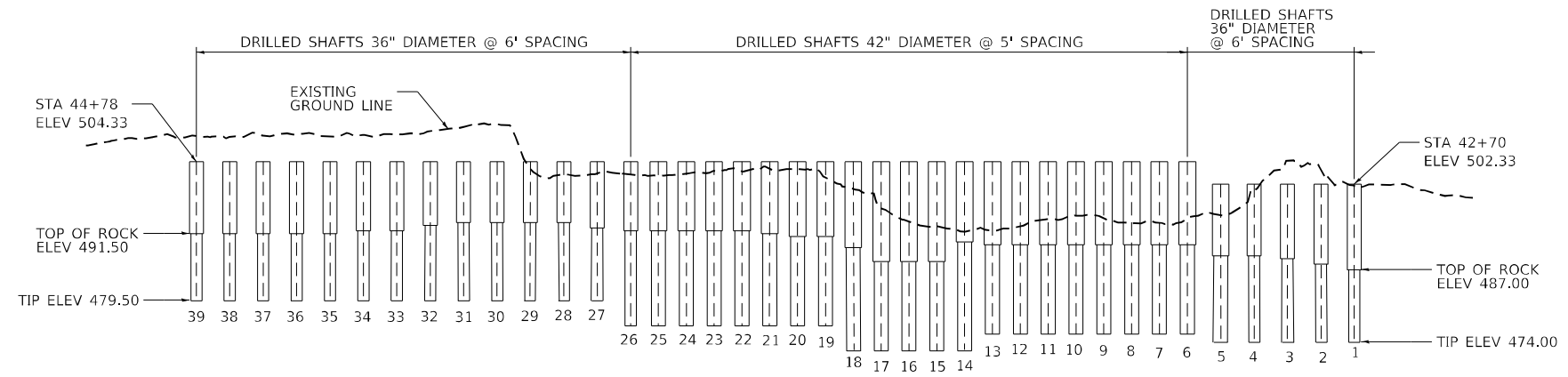
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USER NAME = Frank.Caraballo	DESIGNED -	REVISED -
PLOT SCALE = 40,0000 * / in.	DRAWN -	REVISED -
PLOT DATE = 10/20/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

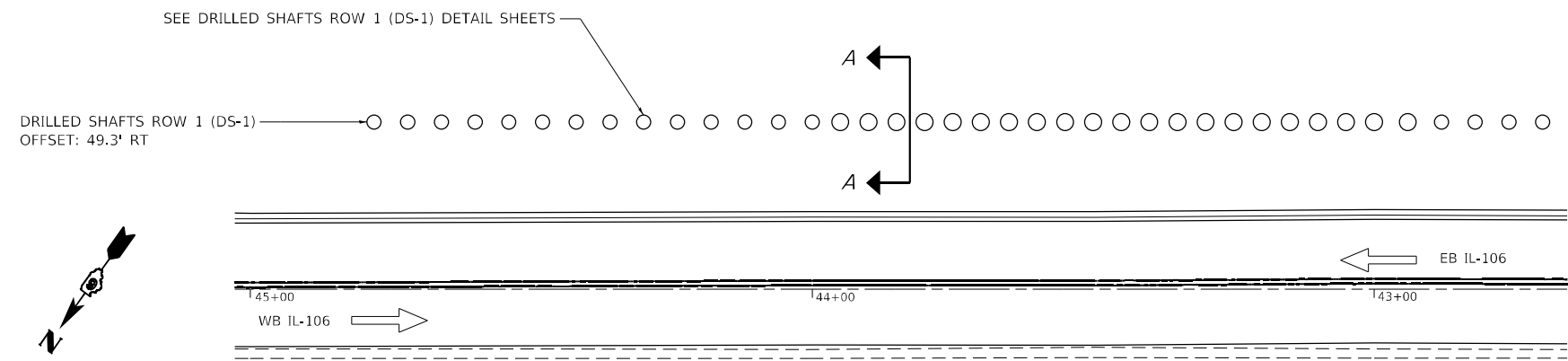
SOLDIER PILE WALL SWALE DETAIL	
SCALE:	SHEET 4 OF 10 SHEETS STA. TO STA.

F.A.P. RTE. 757	SECTION (21) SLP	COUNTY SCOTT	TOTAL SHEETS 33	SHEET NO. 12
CONTRACT NO. 72L78				
ILLINOIS FED. AID PROJECT				

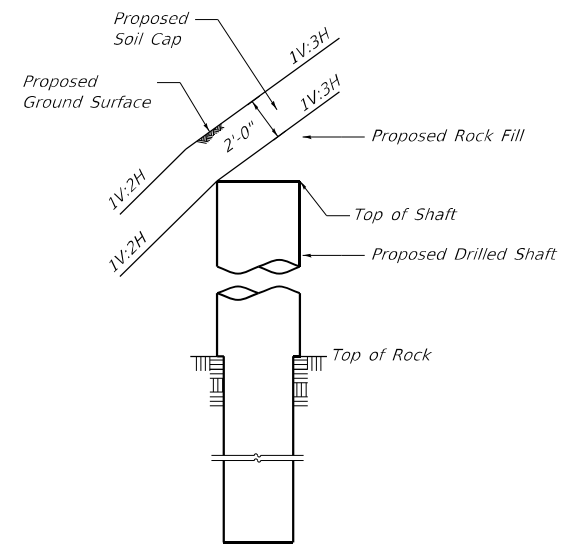


NOTE:
 DESIGN STRESSES
 1. $f'_c = 4,000$ psi (CONCRETE)
 2. $f_y = 60,000$ psi (REINFORCEMENT)

DRILLED SHAFTS – ROW 1 (DS-1)
ELEVATION
 (Looking at Front Face of Slope)



DRILLED SHAFTS – ROW 1 (DS-1)
PLAN VIEW



SECTION A-A

DRILLED SHAFTS - ROW 1 (DS-1) SCHEDULE								
SHAFT NO.	STATION	SHAFT DIAMETER INCHES	TOP OF SHAFT ELEVATION	TOP OF ROCK ELEVATION	TIP ELEVATION	51603000	51604000	50800105
						DRILLED SHAFT IN SOIL	DRILLED SHAFT IN ROCK	REINFORCEMENT BARS
						CU YD	CU YD	POUND
1	42+70	36	502.33	487	474	4.0	2.4	2729.1
2	42+76	36	502.33	488	474	3.7	2.5	2729.1
3	42+82	36	502.33	489	474	3.5	2.7	2729.1
4	42+88	36	502.33	489.5	474	3.4	2.8	2729.1
5	42+94	36	502.33	489.5	474	3.4	2.8	2729.1
6	43+00	42	504.33	489.5	473.5	5.3	4.2	3037.6
7	43+05	42	504.33	489.5	473.5	5.3	4.2	3037.6
8	43+10	42	504.33	489.5	473.5	5.3	4.2	3037.6
9	43+15	42	504.33	489.5	473.5	5.3	4.2	3037.6
10	43+20	42	504.33	489.5	473.5	5.3	4.2	3037.6
11	43+25	42	504.33	489.5	473.5	5.3	4.2	3037.6
12	43+30	42	504.33	489.5	473.5	5.3	4.2	3037.6
13	43+35	42	504.33	489.5	473.5	5.3	4.2	3037.6
14	43+40	42	504.33	488	470.5	5.8	4.6	3333.2
15	43+45	42	504.33	486.5	470.5	6.4	4.2	3333.2
16	43+50	42	504.33	486.5	470.5	6.4	4.2	3333.2
17	43+55	42	504.33	486.5	470.5	6.4	4.2	3333.2
18	43+60	42	504.33	489	470.5	5.5	4.8	3333.2
19	43+65	42	504.33	491	475	4.7	4.2	2889.8
20	43+70	42	504.33	491	475	4.7	4.2	2889.8
21	43+75	42	504.33	491.5	475	4.6	4.3	2889.8
22	43+80	42	504.33	492	475	4.4	4.4	2889.8
23	43+85	42	504.33	492	475	4.4	4.4	2889.8
24	43+90	42	504.33	492	475	4.4	4.4	2889.8
25	43+95	42	504.33	492	475	4.4	4.4	2889.8
26	44+00	42	504.33	492	475	4.4	4.4	2889.8
27	44+06	36	504.33	492.5	479.5	3.1	2.4	2391.6
28	44+12	36	504.33	493.5	479.5	2.8	2.5	2391.6
29	44+18	36	504.33	493.5	479.5	2.8	2.5	2391.6
30	44+24	36	504.33	493.5	479.5	2.8	2.5	2391.6
31	44+30	36	504.33	493.5	479.5	2.8	2.5	2391.6
32	44+36	36	504.33	493	479.5	3.0	2.5	2391.6
33	44+42	36	504.33	492	479.5	3.2	2.3	2391.6
34	44+48	36	504.33	492	479.5	3.2	2.3	2391.6
35	44+54	36	504.33	491.5	479.5	3.4	2.2	2391.6
36	44+60	36	504.33	491.5	479.5	3.4	2.2	2391.6
37	44+66	36	504.33	491.5	479.5	3.4	2.2	2391.6
38	44+72	36	504.33	491.5	479.5	3.4	2.2	2391.6
39	44+78	36	504.33	491.5	479.5	3.4	2.2	2391.6
TOTALS						167.2	134.1	108821.6
USE						168.0	135.0	108830.0

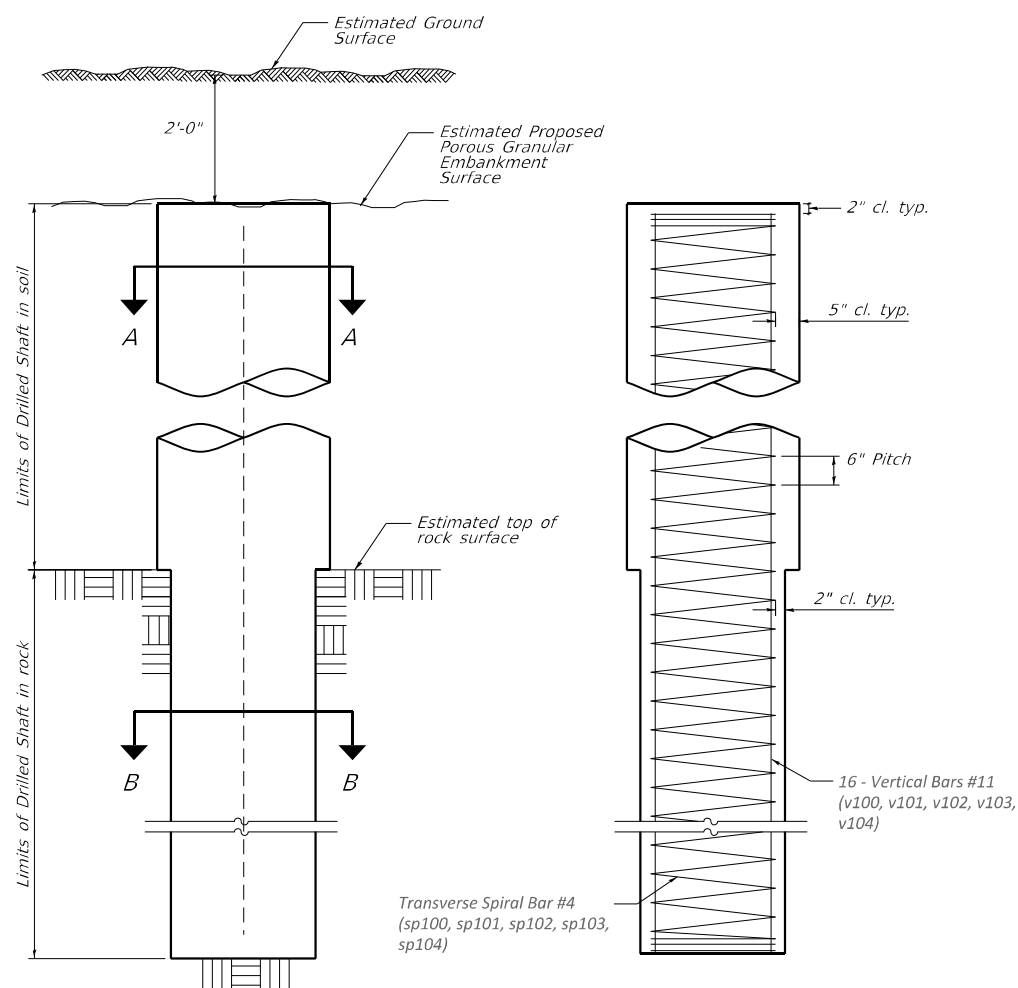
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DRAWN - FJC	CHECKED - GH, JK, CAJ	REVISED -
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PLOT DATE = 10/20/2022		

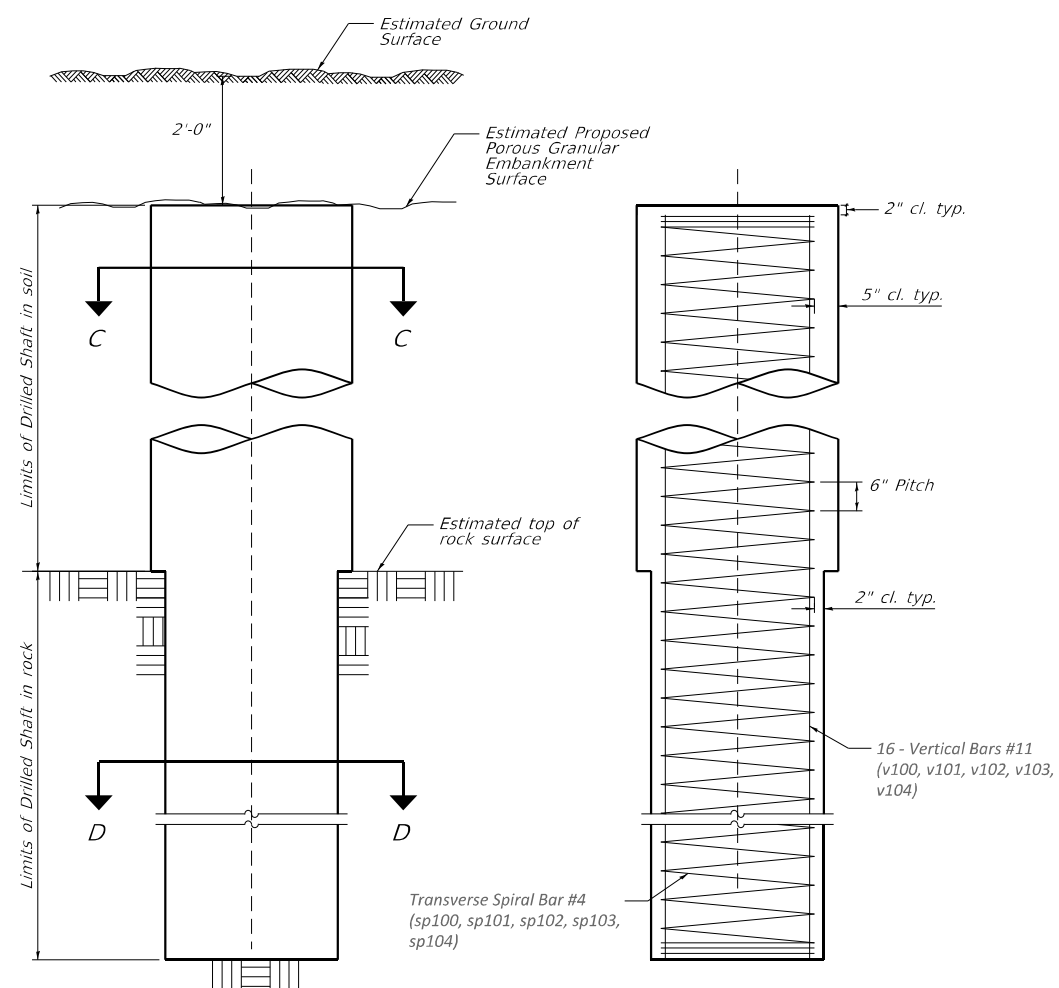
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRILLED SHAFTS ROW 1 (DS-1) PLAN
 SCALE: SHEET 5 OF 10 SHEETS STA. TO STA.

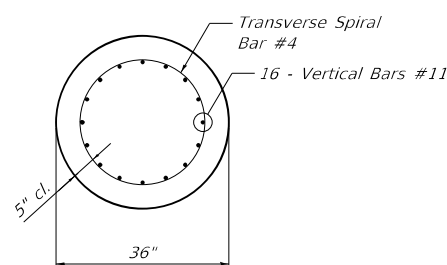
F.A.P. RTE. 757	SECTION (21) SLP	COUNTY SCOTT	TOTAL SHEETS 33	SHEET NO. 13
ILLINOIS FED. AID PROJECT		CONTRACT NO. 72L78		



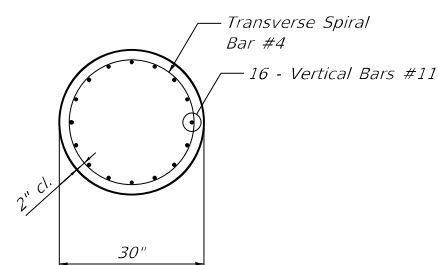
DRILLED SHAFTS 36 INCH DIAMETER



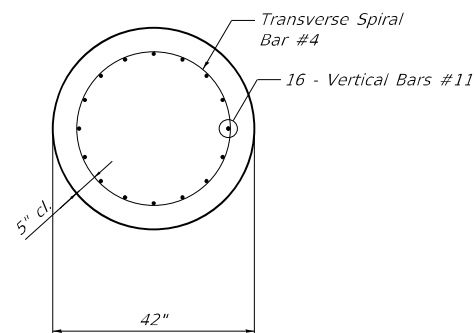
DRILLED SHAFTS 42 INCH DIAMETER



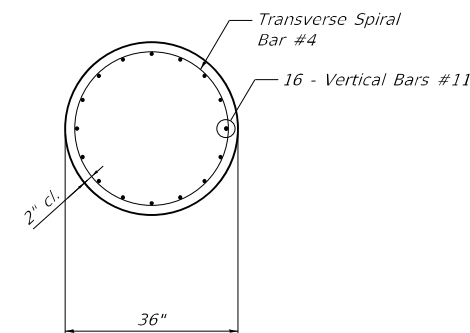
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

BILL OF MATERIALS

Shaft No.	Bar	No.	Size	Length	Shape
27-39	sp100	13	#4	24'-8"	~
1-5	sp101	5	#4	28'-2"	~
19-26	sp102	8	#4	29'-2"	~
6-13	sp103	8	#4	30'-8"	~
14-18	sp104	5	#4	33'-8"	~
27-39	v100	208	#11	24'-8"	—
1-5	v101	80	#11	28'-2"	—
19-26	v102	128	#11	29'-2"	—
6-13	v103	128	#11	30'-8"	—
14-18	v104	80	#11	33'-8"	—
Reinforcement Bars		Pound	108,830.0		
Drilled Shaft in Soil		Cu. Yd.	168.0		
Drilled Shaft in Rock		Cu. Yd.	135.0		

SPIRAL NOTES

Length indicated for spiral reinforcement is the height of the spiral.

Provide 1 1/2 extra turns top and bottom of spirals. Shop weld together extra spiral turns according to AWS D1.4. Provide minimum of 4 - #4 spacers or equivalent.

When splicing of spiral reinforcement is necessary, the spiral shall be provided with 1 1/2 extra turns at the ends to be spliced. These additional turns shall either be welded together according to AWS D1.4 or shall both terminate with a 135 degree standard hook.

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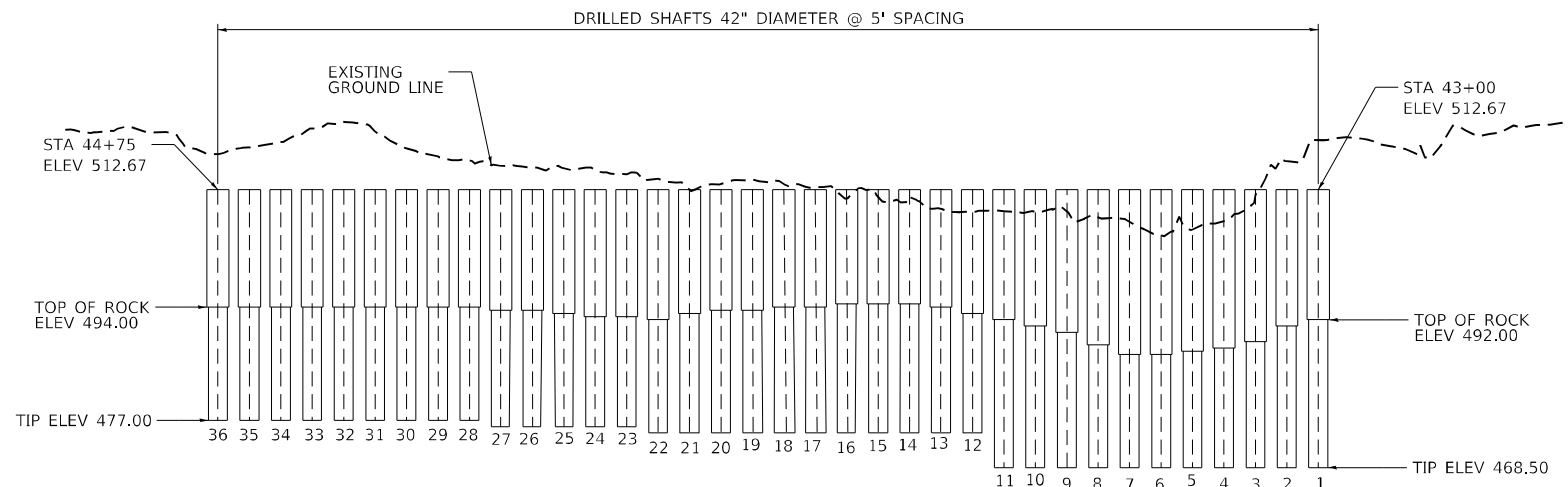
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DRAWN - FJC	REVISIONS -	
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PLOT DATE = 10/20/2022	DATE - 9/16/22	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRILLED SHAFTS ROW 1 (DS-1) DETAIL SHEET

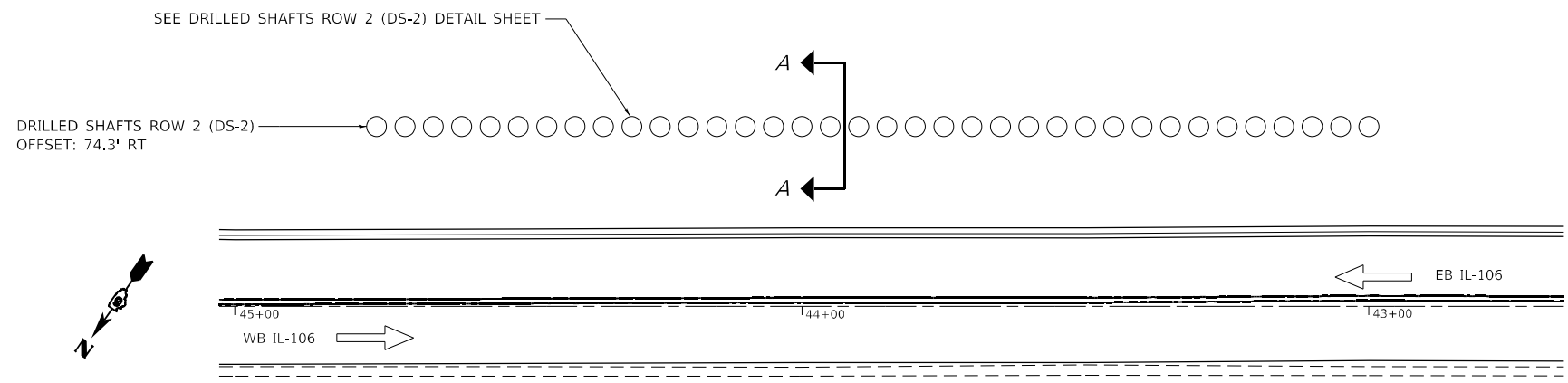
SCALE: SHEET 6 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
757	(21) SLP	SCOTT	33	14
CONTRACT NO. 72L78				
ILLINOIS FED. AID PROJECT				

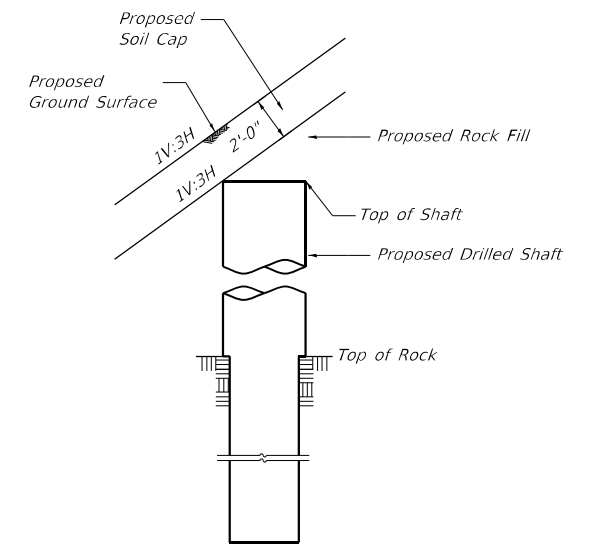


NOTE:
 DESIGN STRESSES
 1. $f'_c = 4,000$ psi (CONCRETE)
 2. $f_y = 60,000$ psi (REINFORCEMENT)

DRILLED SHAFTS - ROW 2 (DS-2)
ELEVATION
 (Looking at Front Face of Slope)



DRILLED SHAFTS - ROW 2 (DS-2)
PLAN VIEW



SECTION A-A

DRILLED SHAFTS - ROW 2 (DS-2) SCHEDULE							
SHAFT NO.	STATION	TOP OF SHAFT ELEVATION	TOP OF ROCK ELEVATION	TIP ELEVATION	51603000	51604000	50800105
					DRILLED SHAFT IN SOIL	DRILLED SHAFT IN ROCK	REINFORCEMENT BARS
					CU YD	CU YD	POUND
1	43+00	512.67	492	468.5	7.4	6.1	5996.5
2	43+05	512.67	491	468.5	7.7	5.9	5996.5
3	43+10	512.67	488.5	468.5	8.6	5.2	5996.5
4	43+15	512.67	487.5	468.5	9.0	5.0	5996.5
5	43+20	512.67	487	468.5	9.1	4.8	5996.5
6	43+25	512.67	485.5	468.5	9.3	4.7	5996.5
7	43+30	512.67	485.5	468.5	9.3	4.7	5996.5
8	43+35	512.67	488	468.5	8.8	5.1	5996.5
9	43+40	512.67	490	468.5	8.1	5.6	5996.5
10	43+45	512.67	491	468.5	7.7	5.9	5996.5
11	43+50	512.67	492	468.5	7.4	6.1	5996.5
12	43+55	512.67	493	475	7.0	4.7	5113.1
13	43+60	512.67	494	475	6.6	5.0	5113.1
14	43+65	512.67	494.5	475	6.5	5.1	5113.1
15	43+70	512.67	494.5	475	6.5	5.1	5113.1
16	43+75	512.67	494.5	475	6.5	5.1	5113.1
17	43+80	512.67	494	475	6.6	5.0	5113.1
18	43+85	512.67	494	475	6.6	5.0	5113.1
19	43+90	512.67	493.5	475	6.8	4.8	5113.1
20	43+95	512.67	493.5	475	6.8	4.8	5113.1
21	44+00	512.67	493	475	7.0	4.7	5113.1
22	44+05	512.67	492	475	7.4	4.4	5113.1
23	44+10	512.67	492.5	475	7.2	4.6	5113.1
24	44+15	512.67	492.5	475	7.2	4.6	5113.1
25	44+20	512.67	493	475	7.0	4.7	5113.1
26	44+25	512.67	493.5	475	6.8	4.8	5113.1
27	44+30	512.67	493.5	475	6.8	4.8	5113.1
28	44+35	512.67	494	477	6.6	4.4	4841.2
29	44+40	512.67	494	477	6.6	4.4	4841.2
30	44+45	512.67	494	477	6.6	4.4	4841.2
31	44+50	512.67	494	477	6.6	4.4	4841.2
32	44+55	512.67	494	477	6.6	4.4	4841.2
33	44+60	512.67	494	477	6.6	4.4	4841.2
34	44+65	512.67	494	477	6.6	4.4	4841.2
35	44+70	512.67	494	477	6.6	4.4	4841.2
36	44+75	512.67	494	477	6.6	4.4	4841.2
TOTALS					261.6	176.6	191341.7
USE					262.0	177.0	191350.0

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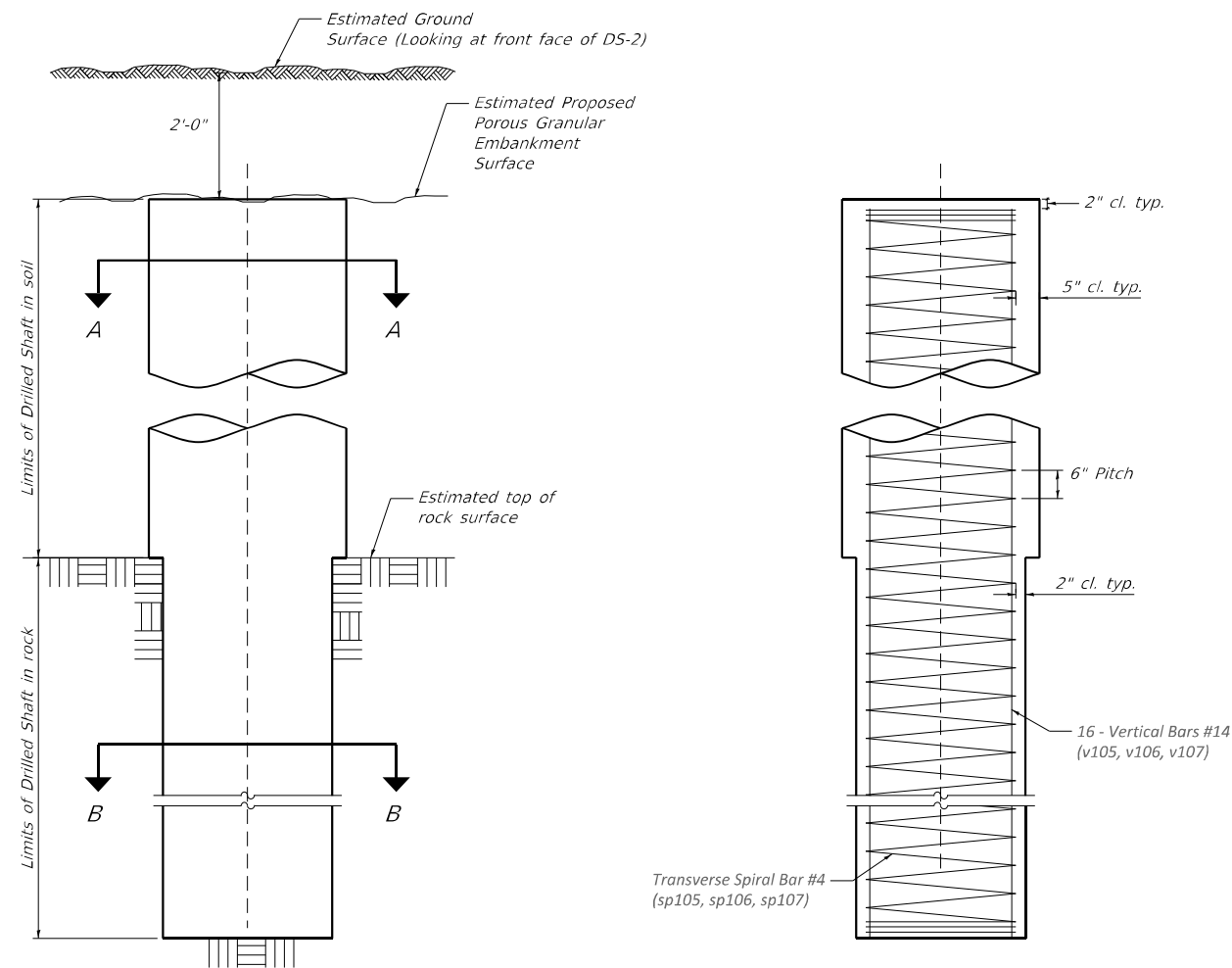
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PLOT DATE = 10/20/2022		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRILLED SHAFTS ROW 2 (DS-2) PLAN

SCALE: SHEET 7 OF 10 SHEETS STA. TO STA.

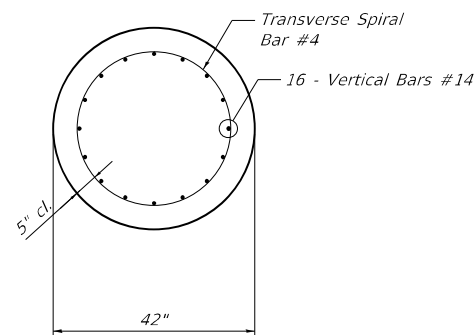
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 72L78	



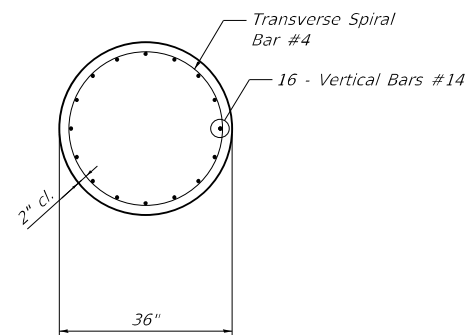
BILL OF MATERIALS

Shaft No.	Bar	No.	Size	Length	Shape
28-36	sp105	9	#4	35'-6"	~
12-27	sp106	16	#4	37'-6"	~
1-11	sp107	11	#4	44'-0"	~
28-36	v105	144	#14	35'-6"	—
12-27	v106	256	#14	37'-6"	—
1-11	v107	176	#14	44'-0"	—
Reinforcement Bars		Pound	191,350.0		
Drilled Shaft in Soil		Cu. Yd.	262.0		
Drilled Shaft in Rock		Cu. Yd.	177.0		

DRILLED SHAFTS 42 INCH DIAMETER



SECTION A-A



SECTION B-B

SPIRAL NOTES

Length indicated for spiral reinforcement is the height of the spiral.

Provide 1 1/2 extra turns top and bottom of spirals. Shop weld together extra spiral turns according to AWS D1.4. Provide minimum of 4 - #4 spacers or equivalent.

When splicing of spiral reinforcement is necessary, the spiral shall be provided with 1 1/2 extra turns at the ends to be spliced. These additional turns shall either be welded together according to AWS D1.4 or shall both terminate with a 135 degree standard hook.

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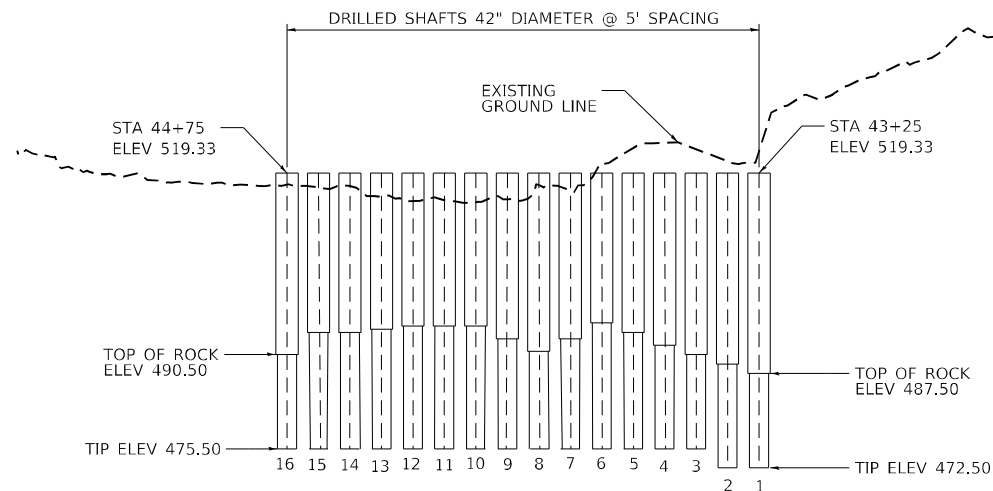
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PLOT DATE = 10/20/2022	DATE - 9/16/22	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

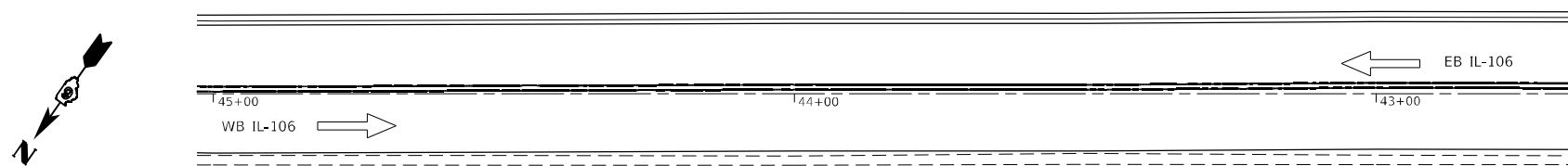
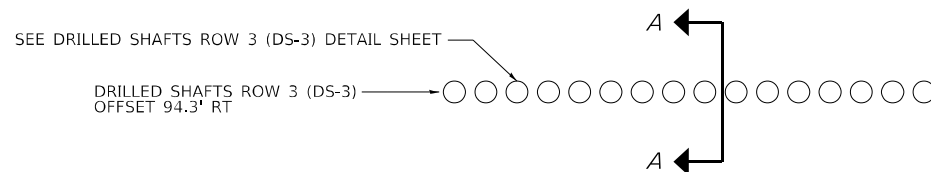
DRILLED SHAFTS ROW 2 (DS-2) DETAIL SHEET

SCALE: SHEET 8 OF 10 SHEETS STA. TO STA.

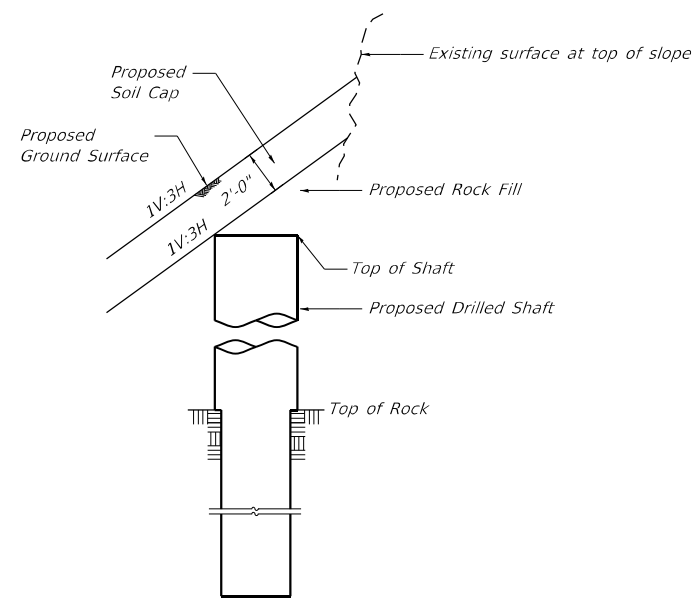
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
757	(21) SLP	SCOTT	33	16
CONTRACT NO. 72L78				
ILLINOIS FED. AID PROJECT				



DRILLED SHAFTS - ROW 3 (DS-3)
ELEVATION
 (Looking at Front Face of Slope)



DRILLED SHAFTS - ROW 3 (DS-3)
PLAN VIEW



SECTION A-A

- NOTE:
 DESIGN STRESSES
1. $f'_c = 4,000$ psi (CONCRETE)
 2. $f_y = 60,000$ psi (REINFORCEMENT)

DRILLED SHAFTS - ROW 3 (DS-3) SCHEDULE							
SHAFT NO.	STATION	TOP OF SHAFT ELEVATION	TOP OF ROCK ELEVATION	TIP ELEVATION	51603000	51604000	50800105
					DRILLED SHAFT IN SOIL CU YD	DRILLED SHAFT IN ROCK CU YD	REINFORCEMENT BARS POUND
1	43+25	519.33	487.5	472.5	11.3	3.9	4614.0
2	43+30	519.33	489	472.5	10.8	4.3	4614.0
3	43+35	519.33	490.5	472.5	10.3	4.7	4614.0
4	43+40	519.33	492	475.5	9.7	4.3	4318.4
5	43+45	519.33	494	475.5	9.0	4.8	4318.4
6	43+50	519.33	495.5	475.5	8.5	5.2	4318.4
7	43+55	519.33	493	475.5	9.4	4.6	4318.4
8	43+60	519.33	491	475.5	10.1	4.1	4318.4
9	43+65	519.33	493	475.5	9.4	4.6	4318.4
10	43+70	519.33	495	475.5	8.7	5.1	4318.4
11	43+75	519.33	495	475.5	8.7	5.1	4318.4
12	43+80	519.33	495	475.5	8.7	5.1	4318.4
13	43+85	519.33	494.5	475.5	8.8	5.0	4318.4
14	43+90	519.33	494	475.5	9.0	4.8	4318.4
15	43+95	519.33	494	475.5	9.0	4.8	4318.4
16	44+00	519.33	490.5	475.5	10.3	3.9	4318.4
TOTALS					151.6	74.4	69981.4
USE					152.0	75.0	69990.0

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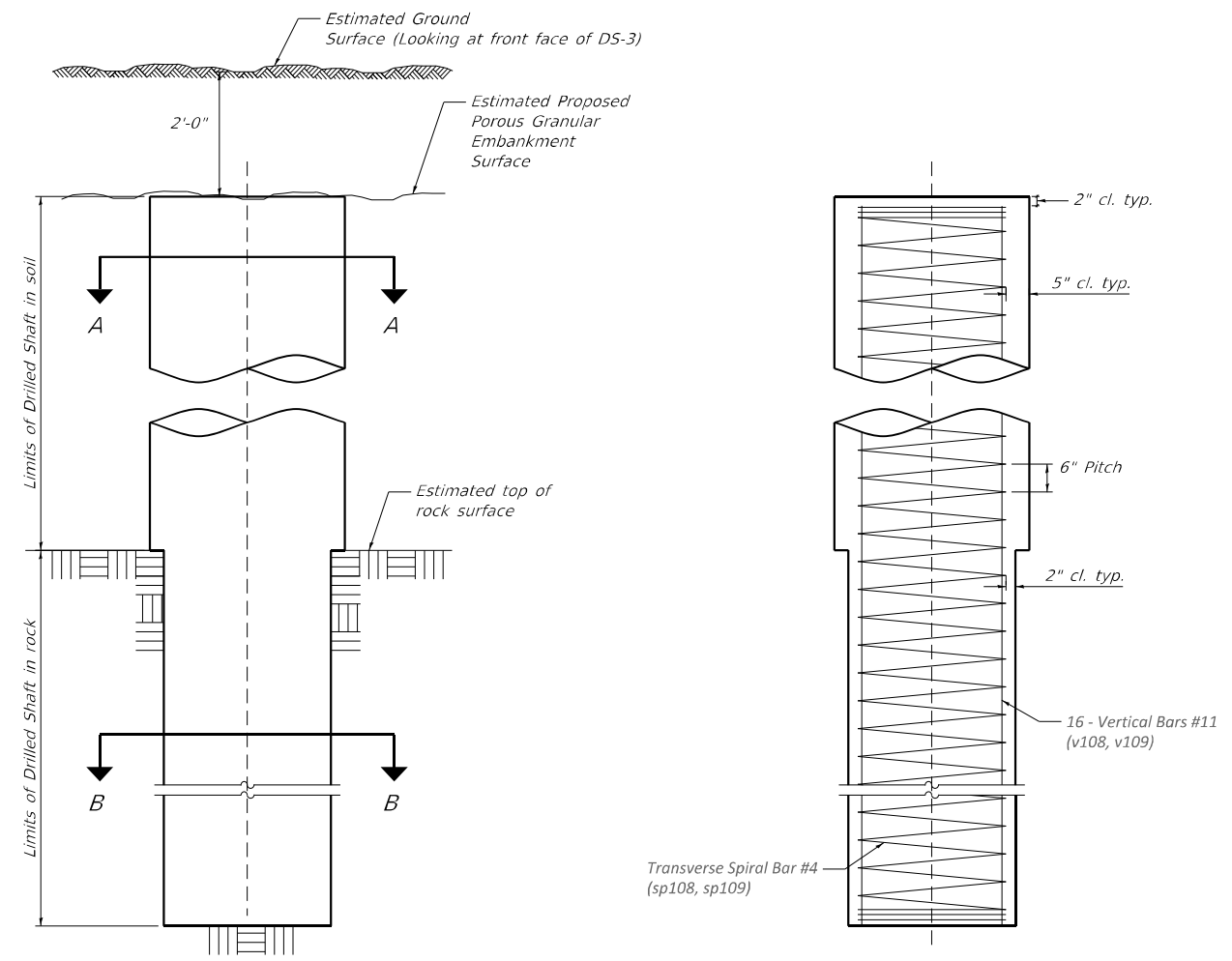
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PLOT DATE = 10/20/2022	DATE - 9/16/22	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRILLED SHAFTS ROW 3 (DS-3) PLAN

SCALE: SHEET 9 OF 10 SHEETS STA. TO STA.

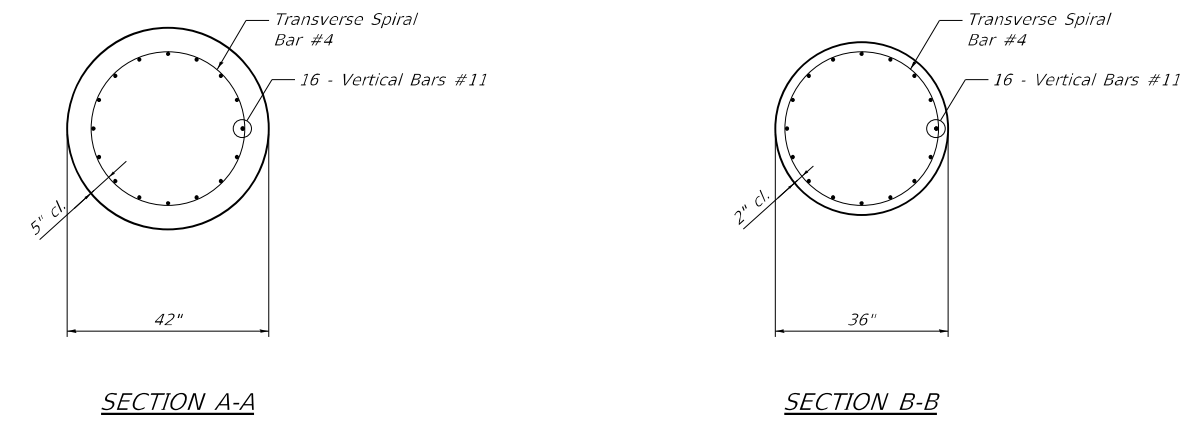
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CONTRACT NO. 72L78				
ILLINOIS FED. AID PROJECT				



BILL OF MATERIALS

Shaft No.	Bar	No.	Size	Length	Shape
4-16	sp108	13	#4	43'-8"	~
1-3	sp109	3	#4	46'-8"	~
4-16	v108	208	#11	43'-8"	—
1-3	v109	48	#11	46'-8"	—
Reinforcement Bars		Pound	69,990.0		
Drilled Shaft in Soil		Cu. Yd.	152.0		
Drilled Shaft in Rock		Cu. Yd.	75.0		

DRILLED SHAFTS 42 INCH DIAMETER



SPIRAL NOTES

Length indicated for spiral reinforcement is the height of the spiral.

Provide 1 1/2 extra turns top and bottom of spirals. Shop weld together extra spiral turns according to AWS D1.4. Provide minimum of 4 - #4 spacers or equivalent.

When splicing of spiral reinforcement is necessary, the spiral shall be provided with 1 1/2 extra turns at the ends to be spliced. These additional turns shall either be welded together according to AWS D1.4 or shall both terminate with a 135 degree standard hook.

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DATE: 10/20/2022

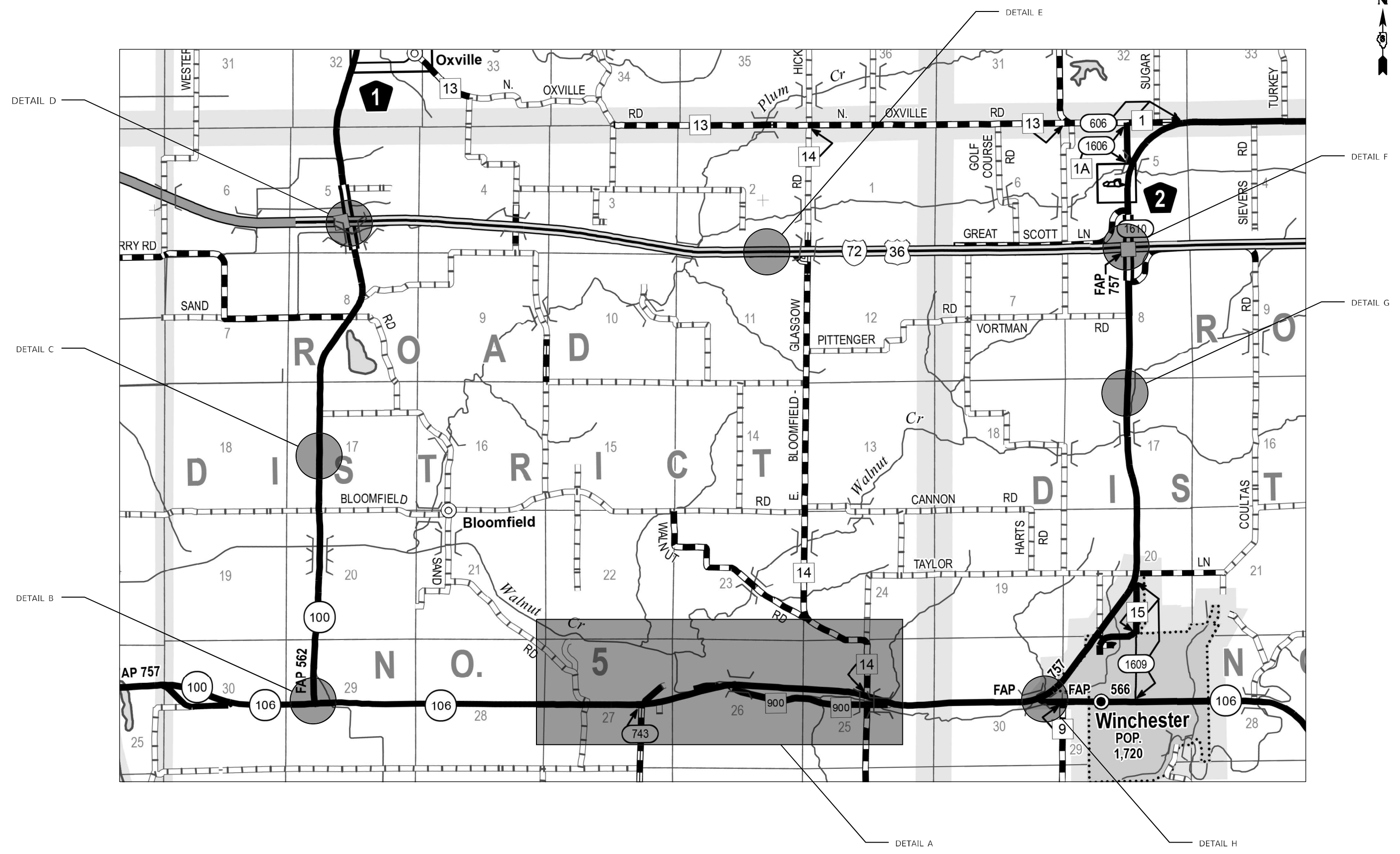
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PLOT SCALE = 40,0000 * / in.	DATE - 9/16/22	REVISED -
PLOT DATE = 10/20/2022		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRILLED SHAFTS ROW 3 (DS-3) DETAIL SHEET

SCALE: SHEET 10 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
757	(21) SLP	SCOTT	33	18
CONTRACT NO. 72L78			ILLINOIS FED. AID PROJECT	



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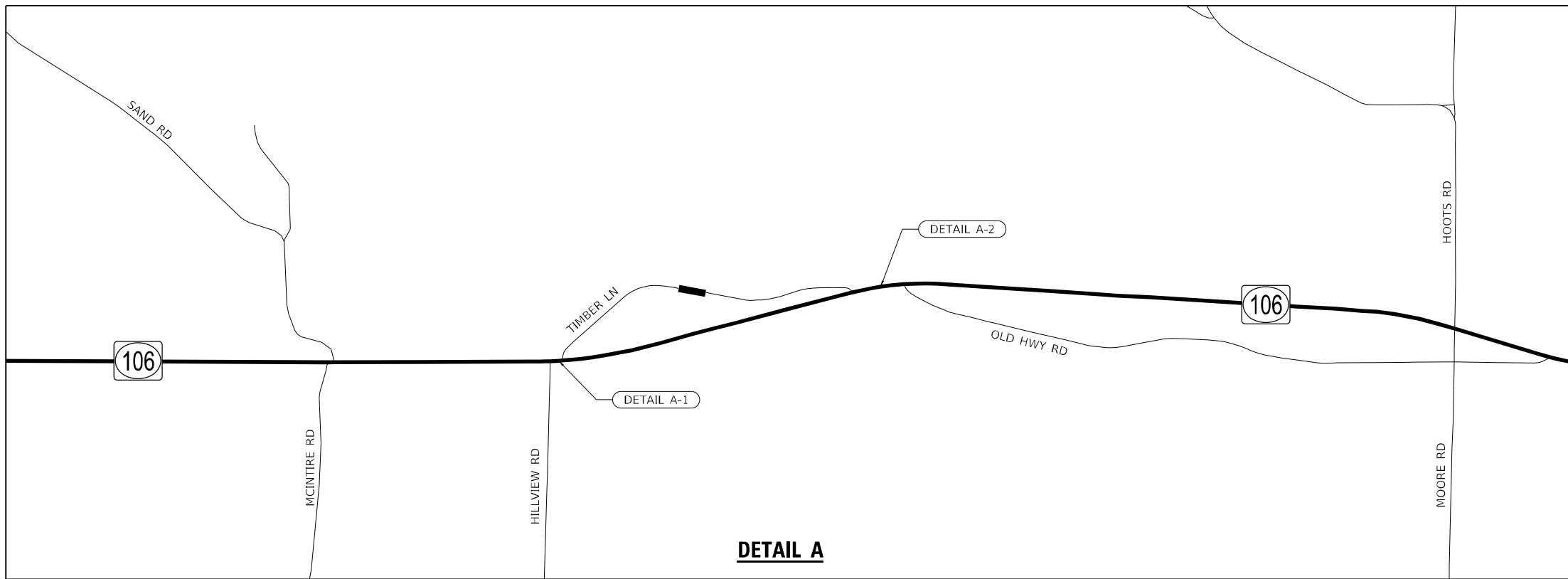
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	DRAWN -	REVISED -
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PLOT DATE = 10/20/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

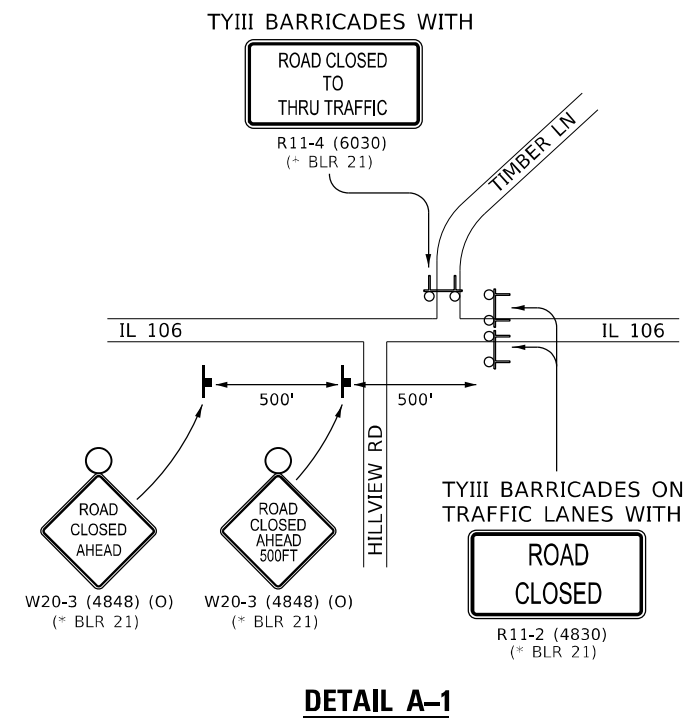
DETOUR ROUTE PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

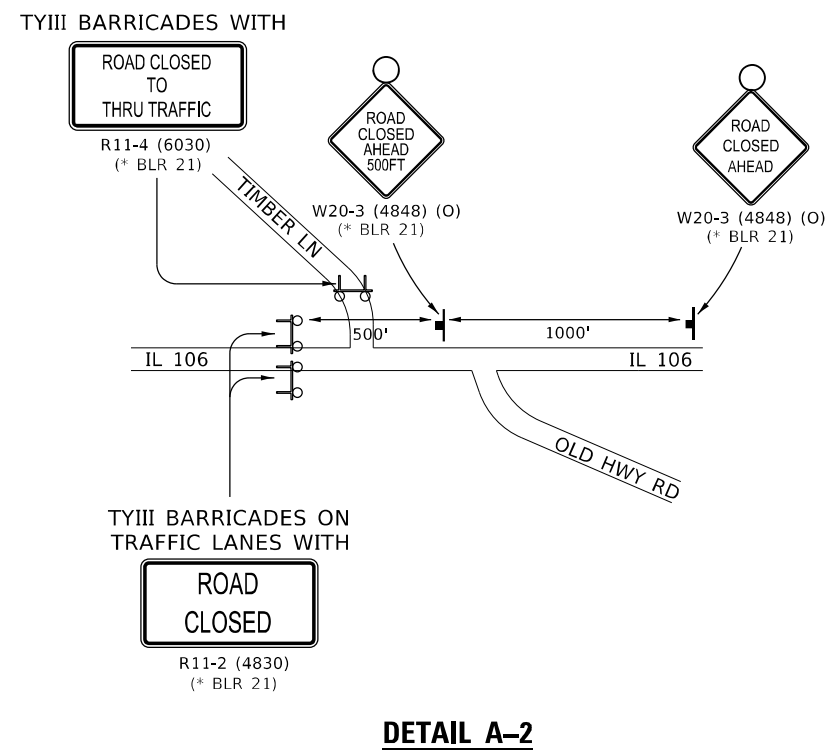
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757	(21) SLP	SCOTT	33	19
CONTRACT NO. 72L78				
ILLINOIS FED. AID PROJECT				



DETAIL A



DETAIL A-1



DETAIL A-2

- NOTES:**
- * BLR 21 = INCLUDED IN COST OF STANDARD B.L.R. 21-9.
 - ACCESS TO TIMBER LN SHALL BE RESTRICTED TO RESIDENTS ONLY.

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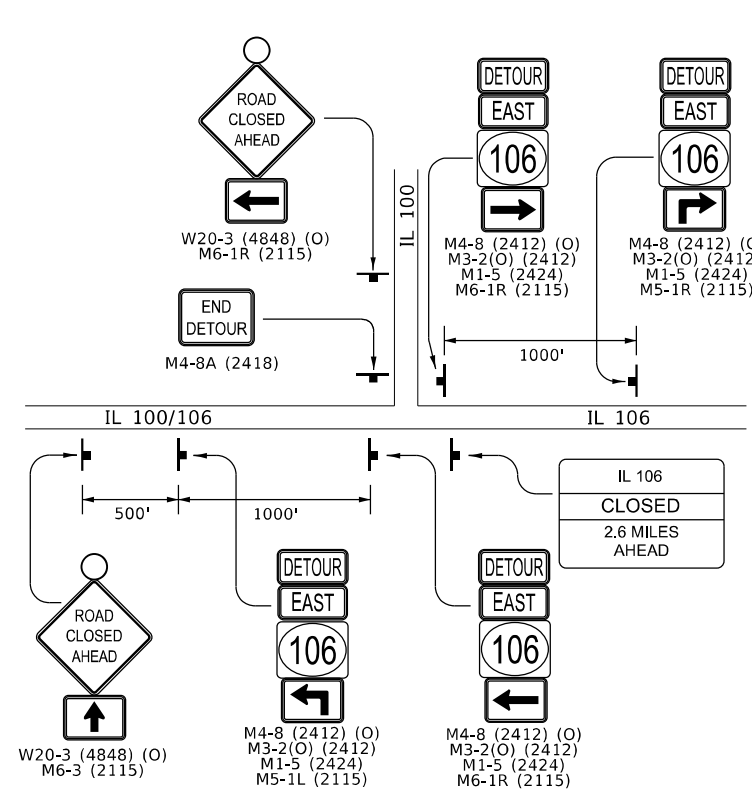
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	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DETOUR ROUTE PLAN

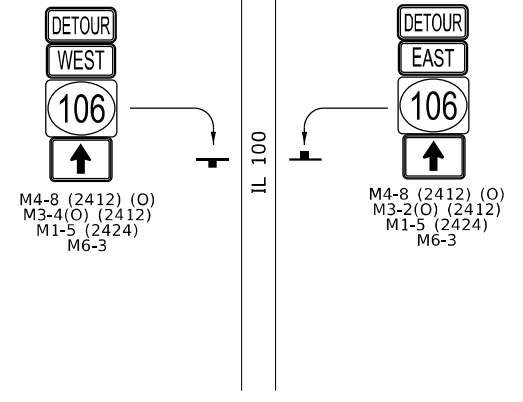
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
757	(21) SLP	SCOTT	33	20
CONTRACT NO. 72L78				
ILLINOIS FED. AID PROJECT				



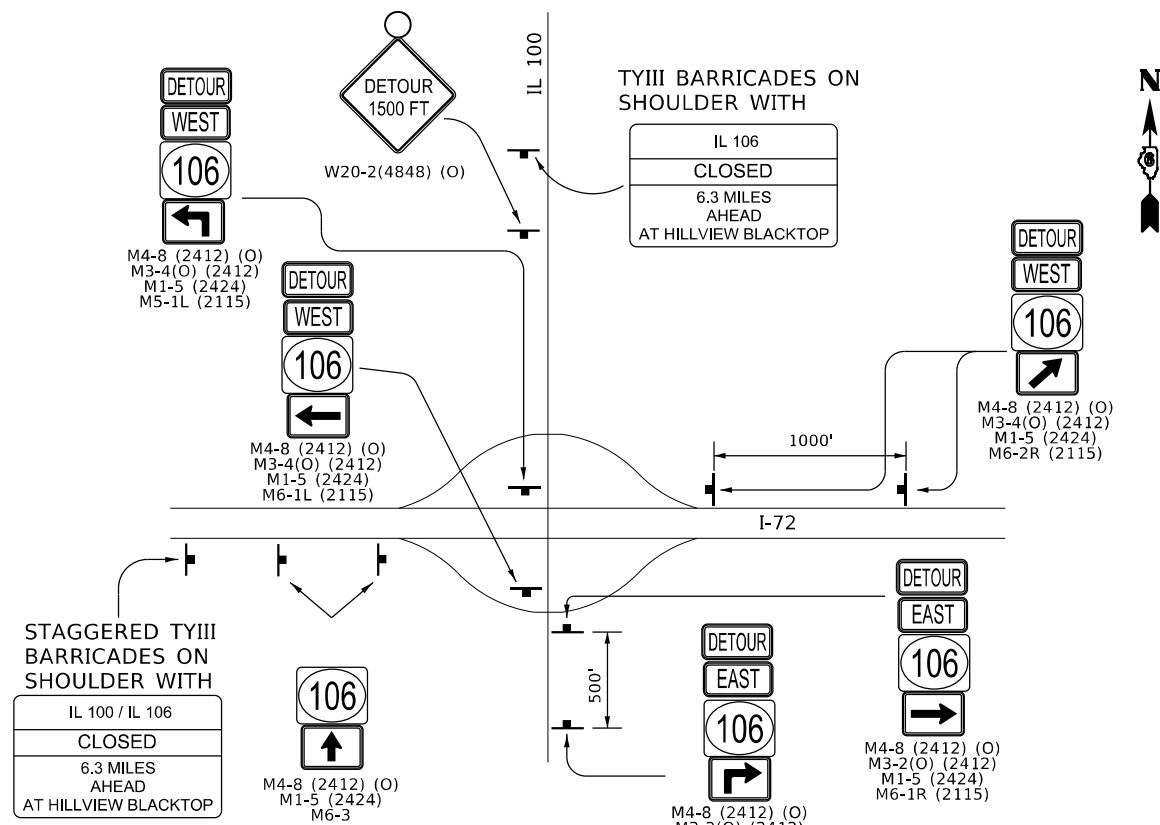
DETAIL B

IL 100/IL 106 EAST OF FLORENCE



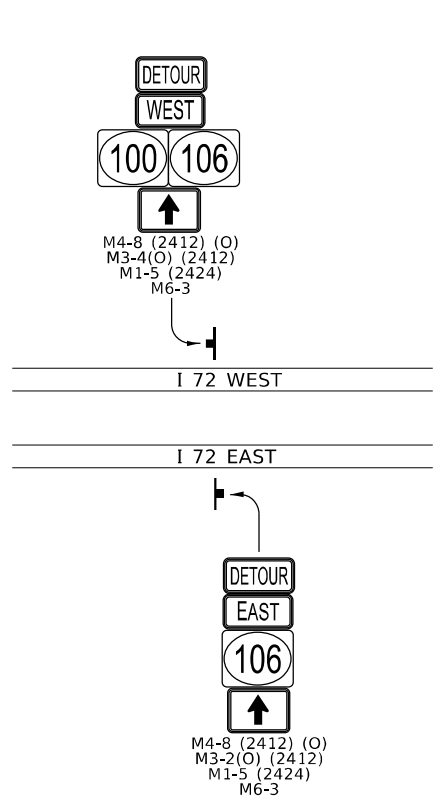
DETAIL C

IL 100



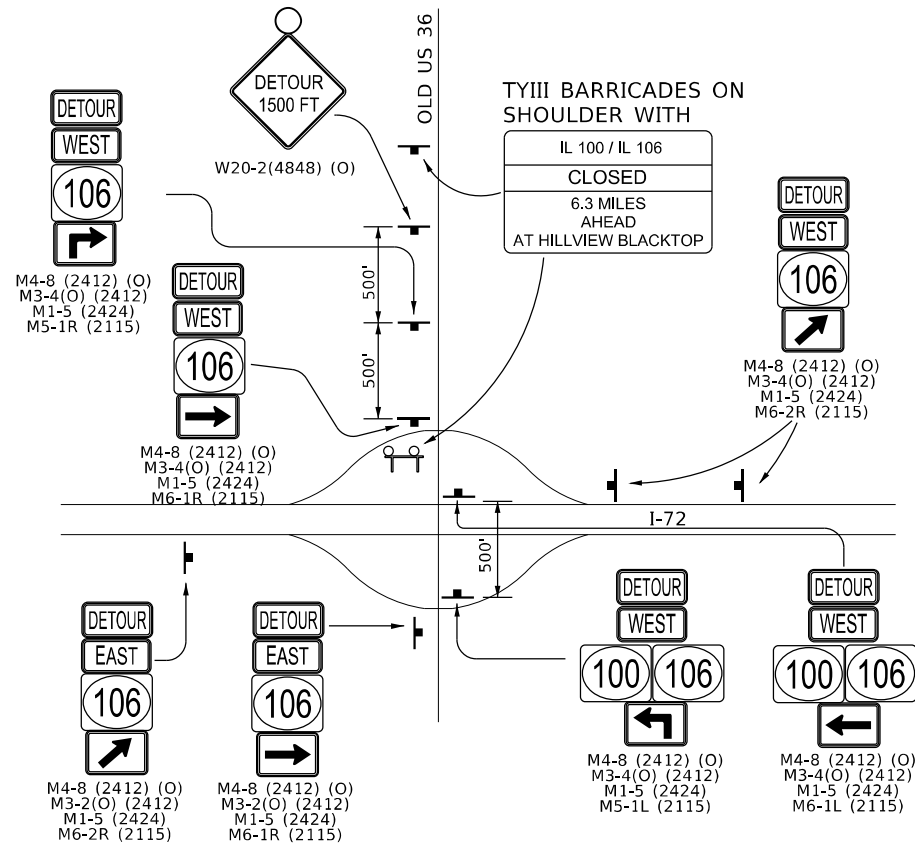
DETAIL D

I 72 EXIT 46



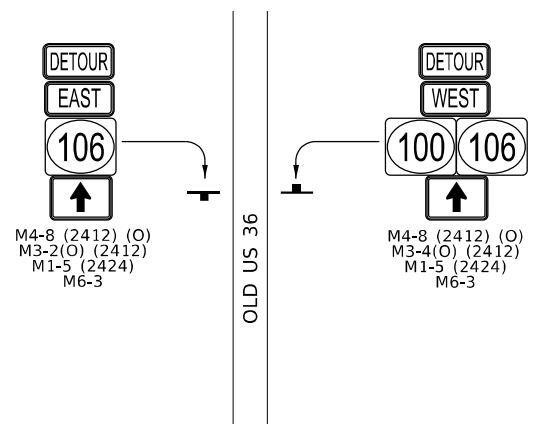
DETAIL E

I-72



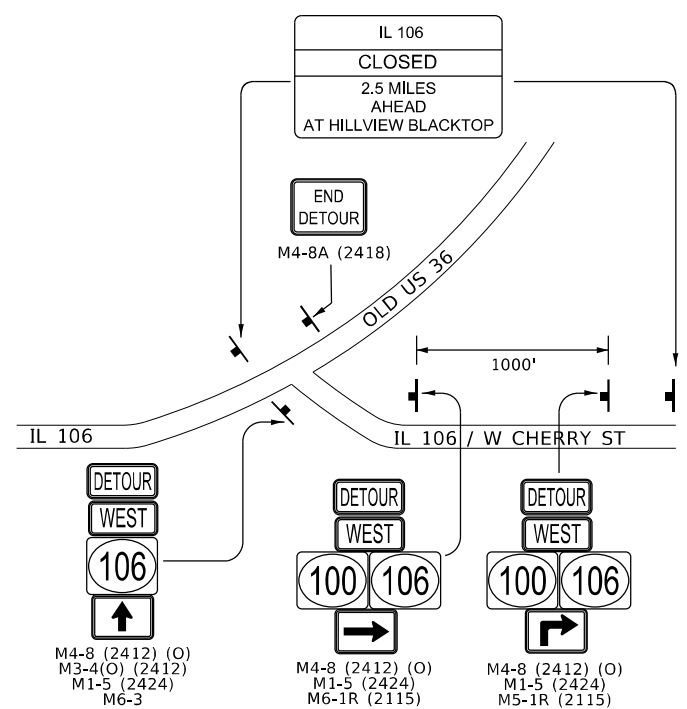
DETAIL F

IL 100 SB AT I-72 EXIT 52



DETAIL G

OLD US 36



DETAIL H

IL 106/OLD US 36 AT W CHERRY ST

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DRAWN -	REVISED -	REVISED -
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PLOT DATE = 10/20/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR ROUTE PLAN				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE. 757	SECTION (21) SLP	COUNTY SCOTT	TOTAL SHEETS 33	SHEET NO. 21
CONTRACT NO. 72L78				
ILLINOIS FED. AID PROJECT				

ROUTE IL 106 DESCRIPTION IL 106 Slope Failure LOGGED BY P.P. SECTION 27 LOCATION Failed slope on south side of IL 106 COUNTY Scott DRILLING METHOD 3 1/4 Hollow Stem Auger HAMMER TYPE Automatic

Table with columns for SOIL TEST, BORING NO., SURFACE WATER ELEV., STREAM BED ELEV., GROUNDWATER ELEV., and SOIL DESCRIPTION. Includes data for various soil types like SILT, LOAM, and CLAY.

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, from 137 (Rev. 8-99)

ROUTE IL 106 DESCRIPTION IL 106 Slope Failure LOGGED BY P.P. SECTION 27 LOCATION Failed slope on south side of IL 106 COUNTY Scott DRILLING METHOD 3 1/4 Hollow Stem Auger HAMMER TYPE Automatic

Table with columns for SOIL TEST, BORING NO., SURFACE WATER ELEV., STREAM BED ELEV., GROUNDWATER ELEV., and SOIL DESCRIPTION. Includes data for various soil types like LOAM, CLAY, and SAND.

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, from 137 (Rev. 8-99)

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ROUTE IL 106 DESCRIPTION IL 106 Slope Failure LOGGED BY P.P.

SECTION 27 LOCATION Failed slope on south side of IL 106

COUNTY Scott DRILLING METHOD 3 1/4 Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. N/A
Station _____
BORING NO. SB-03
Station 43+49.64
Offset 84.1Rt
Ground Surface Elev. 514.68 ft

Description	D E P T H H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. _____ N/A ft Stream Bed Elev. _____ N/A ft	Groundwater Elev.: First Encounter _____ N/A ft Upon Completion _____ N/A ft After _____ N/A Hrs.	D E P T H H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. _____ N/A ft Stream Bed Elev. _____ N/A ft	Groundwater Elev.: First Encounter _____ N/A ft Upon Completion _____ N/A ft After _____ N/A Hrs.
Medium stiff, brown SILTY LOAM	—	—	—	—	—	—	—	—	—	—	—	—
	1	0.8										
	2	P										
	2											
	511.18											
Loose, brown SANDY LOAM	—	—	—	—	—	—	—	—	—	—	—	—
	2											
	2											
	-5	2										
	508.68											
Medium stiff, brown SILTY CLAY, trace sand and gravel	—	—	—	—	—	—	—	—	—	—	—	—
	2	1.8										
	2	P										
	3											
	2	1.8										
	2	P										
	-10	3										
	503.18											
Brown SANDY LOAM	502.68	2	1.5									
Stiff, brown SILTY CLAY, trace sand and gravel	—	—	—	—	—	—	—	—	—	—	—	—
	7											
	501.18											
Brown SILT	500.68	4	3.0									
Medium dense, brown SANDY LOAM	—	—	—	—	—	—	—	—	—	—	—	—
	5	P										
	-15	8										
	498.68											
Medium stiff, brown and gray SILTY CLAY, trace sand and gravel	—	—	—	—	—	—	—	—	—	—	—	—
	2	3.0										
	2	P										
	4											
	495.76											
Auger and spoon refusal at approximately 18 feet 11 inches below existing grade due to possible	—	—	—	—	—	—	—	—	—	—	—	—
	-20	50/5"	2.0									

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, from 137 (Rev. 8-99)

ROUTE IL 106 DESCRIPTION IL 106 Slope Failure LOGGED BY P.P.

SECTION 27 LOCATION Failed slope on south side of IL 106

COUNTY Scott DRILLING METHOD 3 1/4 Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. N/A
Station _____
BORING NO. SB-04
Station 42+98.94
Offset 59.2Rt
Ground Surface Elev. 503.16 ft

Description	D E P T H H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. _____ N/A ft Stream Bed Elev. _____ N/A ft	Groundwater Elev.: First Encounter _____ N/A ft Upon Completion _____ N/A ft After _____ N/A Hrs.	D E P T H H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. _____ N/A ft Stream Bed Elev. _____ N/A ft	Groundwater Elev.: First Encounter _____ N/A ft Upon Completion _____ N/A ft After _____ N/A Hrs.
Brown SILTY LOAM	502.66	2	2.5									
Brown and gray SILTY CLAY, trace sand, gravel, and odorous wood	501.66	1	P									
Soft, brown SILTY CLAY LOAM	—	—	—	—	—	—	—	—	—	—	—	—
	0	2.0										
	0	P										
	0											
	499.16											
Brown SILTY CLAY	—	—	—	—	—	—	—	—	—	—	—	—
	0	0.3										
	-5	1	P									
Medium stiff, brown and gray SILTY CLAY	—	—	—	—	—	—	—	—	—	—	—	—
	2	4.0										
	2	P										
	1											
	2											
	3											
	5											
	494.66											
White SAND, trace gravel	—	—	—	—	—	—	—	—	—	—	—	—
	7											
	493.66											
Brown SANDY LOAM	493.16	-10	8									
Stiff, gray SILTY CLAY, trace sand and gravel	—	—	—	—	—	—	—	—	—	—	—	—
	5	2.5										
	5	P										
	5											
	491.16											
Auger and spoon refusal at approximately 12 feet below existing grade due to possible bedrock.	—	—	—	—	—	—	—	—	—	—	—	—
End of boring at approximately 12 feet below existing grade.	—	—	—	—	—	—	—	—	—	—	—	—
	50/0"											
	-15											
	-20											

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, from 137 (Rev. 8-99)

MODEL: Default
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USER NAME = Frank.Caraballo	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORINGS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISED -	757			(21) SLP	SCOTT	33	23	
PLOT SCALE = 0.1000' / in.	CHECKED -	REVISED -			CONTRACT NO. 72L78				
PLOT DATE = 10/20/2022	DATE -	REVISED -			ILLINOIS	FED. AID PROJECT			



SOIL BORING LOG

Page 1 of 1

Date 9/23/20

ROUTE IL 106 DESCRIPTION IL 106 Slope Failure LOGGED BY P.P.
 SECTION 27 LOCATION Failed slope on south side of IL 106
 COUNTY Scott DRILLING METHOD 3 1/4 Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	Station	D E P T H	B L O W S	U L C S	M O I S T U R E	SOIL	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After
		(ft)	(/6")	(tsf)	(%)		N/A ft	N/A ft		N/A ft	N/A ft	N/A Hrs.
		—				Very soft to soft, brown SILTY, trace sand and gravel						
		—	2	2.5								
		—	1	P								
		—	1									
		—	0	0.3								
		—	0	P								
	495.64	-5	0									
		—				Brown SAND						
	494.64	—										
	494.14	—	2	1.3		Gray SILTY CLAY, trace sand and gravel						
		—	5	P								
	493.14	—	25			White SAND with rock fragments						
		—				Very soft to medium stiff, brown SILTY CLAY, with sand and gravel						
		—	5	0.3								
		—	2	P								
		-10	2									
	409.64	—										
		—	0			VOID: Upon putting spoon down augers at sampling depth, rods free-fell to approximately 14 feet below existing grade. Offset 3 feet west and blind drilled until auger refusal at approximately 8 1/2 feet below existing grade. Offset 3 feet east and blind drilled until auger refusal at approximately 7 feet below existing grade.						
		—	0									
		—	0									
	486.64	—										
		—										
		-15				End of boring at approximately 14 feet below existing grade.						
		—										
		—										
		—										
		—										
		—										
		—										
		—										
		—										
		—										
		—										
		—										
		-20										

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, from 137 (Rev. 8-99)



SOIL BORING LOG

Page 1 of 1

Date 9/23/20

ROUTE IL 106 DESCRIPTION IL 106 Slope Failure LOGGED BY P.P.
 SECTION 27 LOCATION Failed slope on south side of IL 106
 COUNTY Scott DRILLING METHOD 3 1/4 Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	Station	D E P T H	B L O W S	U L C S	M O I S T U R E	SOIL	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After
		(ft)	(/6")	(tsf)	(%)		N/A ft	N/A ft		N/A ft	N/A ft	N/A Hrs.
		—				Soft, brown SILTY LOAM						
		—	3	1.8								
		—	2	P								
		—	1									
	502.52	—										
		—	1			Very loose, brown SANDY LOAM						
		—	0									
		-5	0									
	500.02	—										
		—	0	0.5		Very soft, brown SILTY LOAM, trace roots						
		—	0	P								
		—	0									
	497.52	—										
		—	1	0.8		Very soft, brown SILTY CLAY, trace sand and gravel						
		—	1	P								
		-10	1									
	495.02	—										
	494.52	—	1	0.8		Brown SANDY LOAM						
		—	0	P		Very soft, brown SILTY CLAY, trace sand and gravel						
		—	1									
		—										
	492.02	—	19			Brown SAND with rock fragments						
		—	26									
		-15	12									
	490.02	—										
		—	6			Very loose, brown SANDY LOAM						
		—	3									
		—	0									
	487.52	—										
	487.19	—	50/4"			Brown rock fragments with fines						
		—				Auger and spoon refusal at approximately 18 feet 10 inches below existing grade due to possible						
		-20										

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, from 137 (Rev. 8-99)

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USER NAME = Frank,Caraballo	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORINGS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISED -	757			(21) SLP	SCOTT	33	24	
PLOT SCALE = 0.1000' / in.	CHECKED -	REVISED -			CONTRACT NO. 72L78				
PLOT DATE = 10/20/2022	DATE -	REVISED -			ILLINOIS	FED. AID PROJECT			
				SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

ROUTE IL 106 DESCRIPTION IL 106 Slope Failure LOGGED BY P.P.
SECTION 27 LOCATION Failed slope on south side of IL 106
COUNTY Scott DRILLING METHOD 3 1/4 Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	D E P O I S T				Surface Water Elev. _____ N/A ft				
Station	B L C S				Stream Bed Elev. _____ N/A ft				
BORING NO.	T W H S				Groundwater Elev.:				
Station	Qu				First Encounter _____ N/A ft				
Offset	Qu				Upon Completion _____ N/A ft				
Ground Surface Elev.	(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)	
Soft, brown SILT	—				497.88				
	1	0.5				6	4.5		
	1	P				7	P		
	1					8			
	2	0.5				2	4.3		
	1	P				2	P		
	-5	1				-25	5		
						5			
					492.96	50/5"			
	1	0.5							
	1	P							
	1								
510.38									
Very loose, brown SANDY LOAM	1	0.5							
	1	P							
	-10	2				-30			
507.00									
Medium stiff to stiff, brown SILTY CLAY, trace sand and gravel	2	1.8							
	2	P							
	3								
	2	1.5							
	2	P							
	-15	3				-35			
	0	1.0							
	2	P							
	2								
	2	0.3							
	5	P							
	-20	5				-40			

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, from 137 (Rev. 8-99)

ROUTE IL 106 DESCRIPTION IL 106 Slope Failure LOGGED BY P.P.
SECTION 27 LOCATION Failed slope on south side of IL 106
COUNTY Scott DRILLING METHOD 3 1/4 Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	D E P O I S T				Surface Water Elev. _____ N/A ft				
Station	B L C S				Stream Bed Elev. _____ N/A ft				
BORING NO.	T W H S				Groundwater Elev.:				
Station	Qu				First Encounter _____ N/A ft				
Offset	Qu				Upon Completion _____ N/A ft				
Ground Surface Elev.	(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)	
Very soft to soft, brown SILTY LOAM	—								
	2	0.5							
	1	P							
	2								
	1	0.5							
	0	P							
	-5	1				-25			
						5			
					494.43	50/3"			
	1	0.5							
	0	P							
	-5	1				-25			
					512.18				
Brown SILTY CLAY, trace sand and gravel	511.68	1	0.8						
Brown SANDY LOAM	511.18	0	P						
Medium stiff to stiff, brown SILTY CLAY, trace to little sand and gravel		1							
	2	1.5							
	2	P							
	-10	3				-30			
	3	4.5							
	3	P							
	3								
	2	0.5							
	3	P							
	-15	4				-35			
	2	4.0							
	5	P							
	7								
	2	2.5							
	5	P							
499.18									
Brown SANDY LOAM	498.68	7	P						
	-20	6				-40			

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, from 137 (Rev. 8-99)

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USER NAME = Frank.Caraballo	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.1000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/20/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
757	(21) SLP	SCOTT	33	25
CONTRACT NO. 72L78			ILLINOIS FED. AID PROJECT	



SOIL BORING LOG

Date 5/11/21

ROUTE IL-106 DESCRIPTION IL-106 Slope Failure LOGGED BY S.D.

SECTION LOCATION Scott County, IL, SEC. 27, TWP. 14N, RNG. 13W, 3 PM

COUNTY Scott DRILLING METHOD AASHTO T 206-19 HSA HAMMER TYPE Auto Hammer 140 lbs

STRUCT. NO.	DEPTH (ft)	BLOW COUNT (/6")	UNSATURATED MOISTURE (%)	SOIL DESCRIPTION	DEPTH (ft)	BLOW COUNT (/6")	UNSATURATED MOISTURE (%)
	488.38			3.5" BITUMINOUS CONCRETE PAVEMENT			
	487.99						
	487.58	8		4.5" PORTLAND CEMENT CONCRETE BASE		68/3"	
		8				refusal	
		10		5" CRUSHED STONE SUBBASE COURSE			
				SILT, Brown and Gray, Medium Dense (A-4)		76/4"	
		3				refusal	
		3					
		8					
		-5				-25	
	483.16			SHALE BEDROCK, Dark Gray, Highly Weathered			
		50/4"				75/4"	
		refusal				refusal	
		17				59/3"	
		50/5"				refusal	
		refusal					
		-10					
					458.66	-30	
				End of Boring at 30 feet.			
		65/5"		Note:			
		refusal		1. Shale bedrock was encountered at approximately 5.5 feet below the existing pavement surface and the bedrock was sampled to a depth of approximately 30 feet below the existing pavement surface.			
				2. This boring log is prepared solely based on the field log prepared during drilling operation conducted on 05/11/2021 onsite.			
		68/5"		3. The boring was offset 2 feet North from the original location due to soft ground on shoulder.			
		refusal				-35	
		-15					
		65/5"					
		refusal					
		70/4"					
		refusal					
		-20				-40	

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Latitude Longitude Datum Job Number 12697G

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99) D-50 Drill Rig Used. SEECO Job No. 12697G

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USER NAME = Frank.Caraballo	DESIGNED -	REVISED -
PLOT SCALE = 0.1000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/20/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SOIL BORINGS

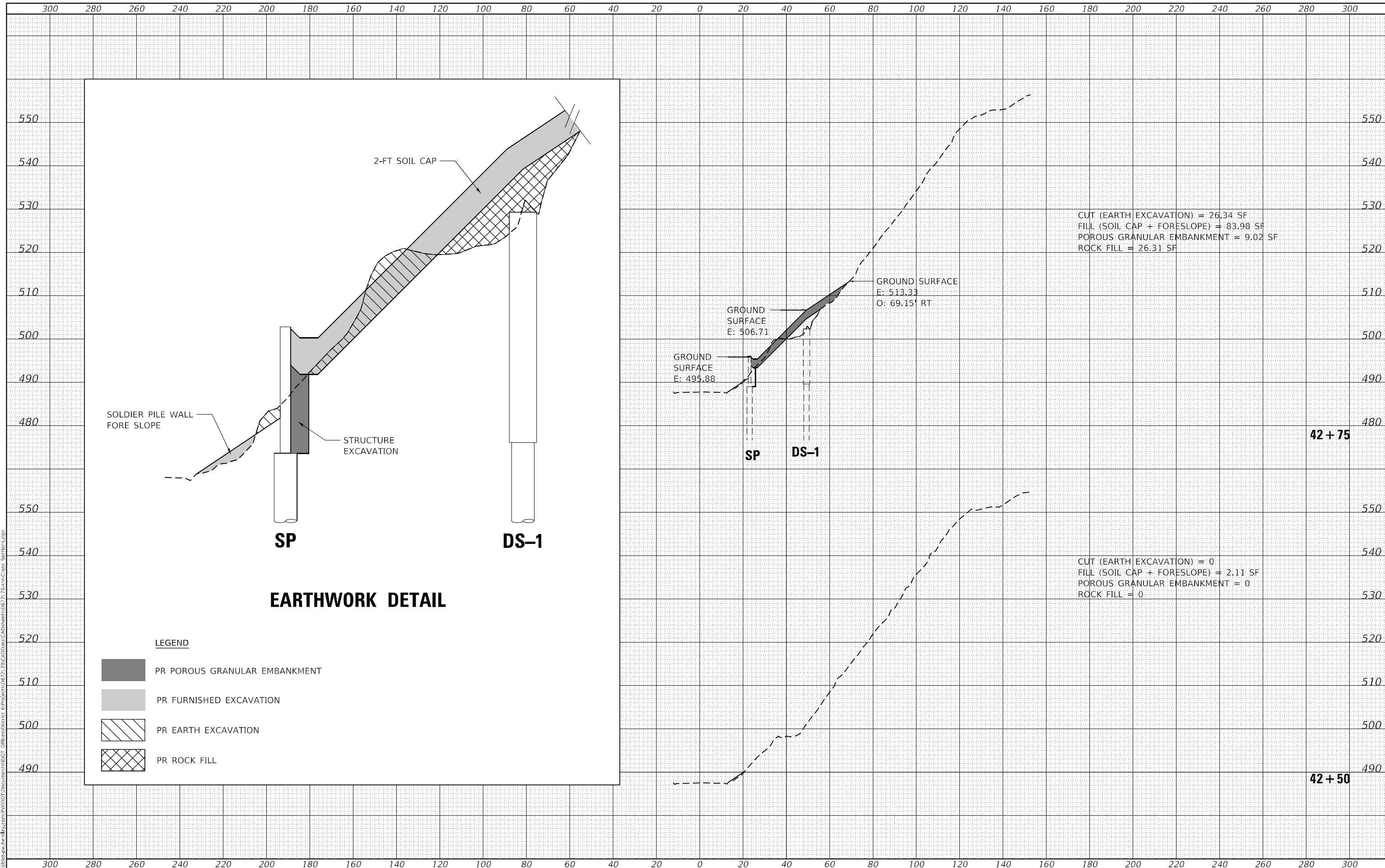
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
757	(21) SLP	SCOTT	33	27
			CONTRACT NO. 72L78	
		ILLINOIS FED. AID PROJECT		

DATE	
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PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
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NOTE BOOK	
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- LEGEND**
- PR POROUS GRANULAR EMBANKMENT
 - PR FURNISHED EXCAVATION
 - PR EARTH EXCAVATION
 - PR ROCK FILL

CUT (EARTH EXCAVATION) = 26.34 SF
FILL (SOIL CAP + FORESLOPE) = 83.98 SF
POROUS GRANULAR EMBANKMENT = 9.02 SF
ROCK FILL = 26.31 SF

CUT (EARTH EXCAVATION) = 0
FILL (SOIL CAP + FORESLOPE) = 2.11 SF
POROUS GRANULAR EMBANKMENT = 0
ROCK FILL = 0

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

USER NAME = Frank.Caraballo	DESIGNED -	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/21/2022	CHECKED -	REVISED -
	DATE -	REVISED -

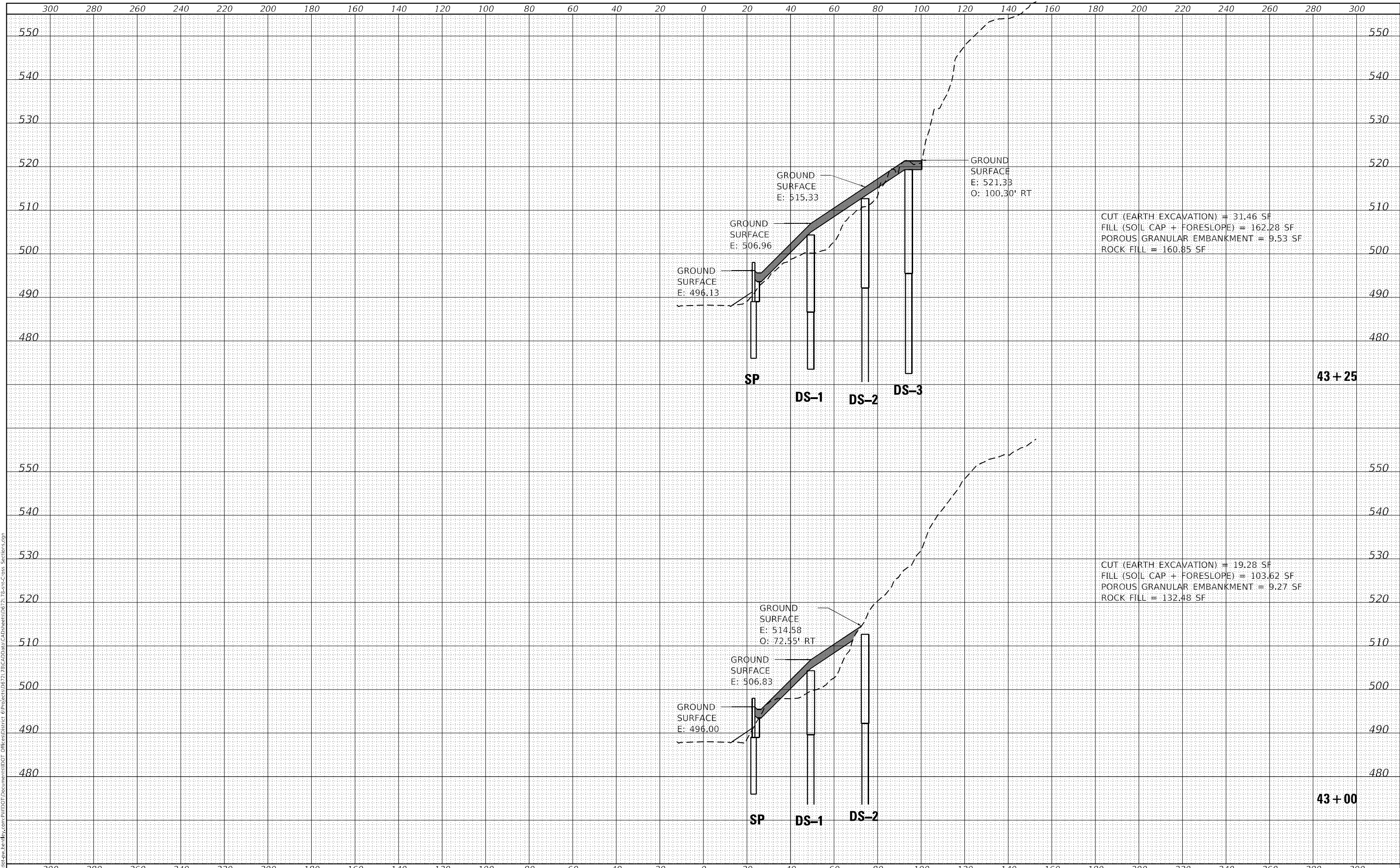
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
757	(21) SLP	SCOTT	33	28
			CONTRACT NO. 72L78	
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	
NOTE BOOK	
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CUT (EARTH EXCAVATION) = 31.46 SF
 FILL (SOIL CAP + FORESLOPE) = 162.28 SF
 POROUS GRANULAR EMBANKMENT = 9.53 SF
 ROCK FILL = 160.85 SF

CUT (EARTH EXCAVATION) = 19.28 SF
 FILL (SOIL CAP + FORESLOPE) = 103.62 SF
 POROUS GRANULAR EMBANKMENT = 9.27 SF
 ROCK FILL = 132.48 SF

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

USER NAME = Frank.Caraballo	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/21/2022	DATE -	REVISED -

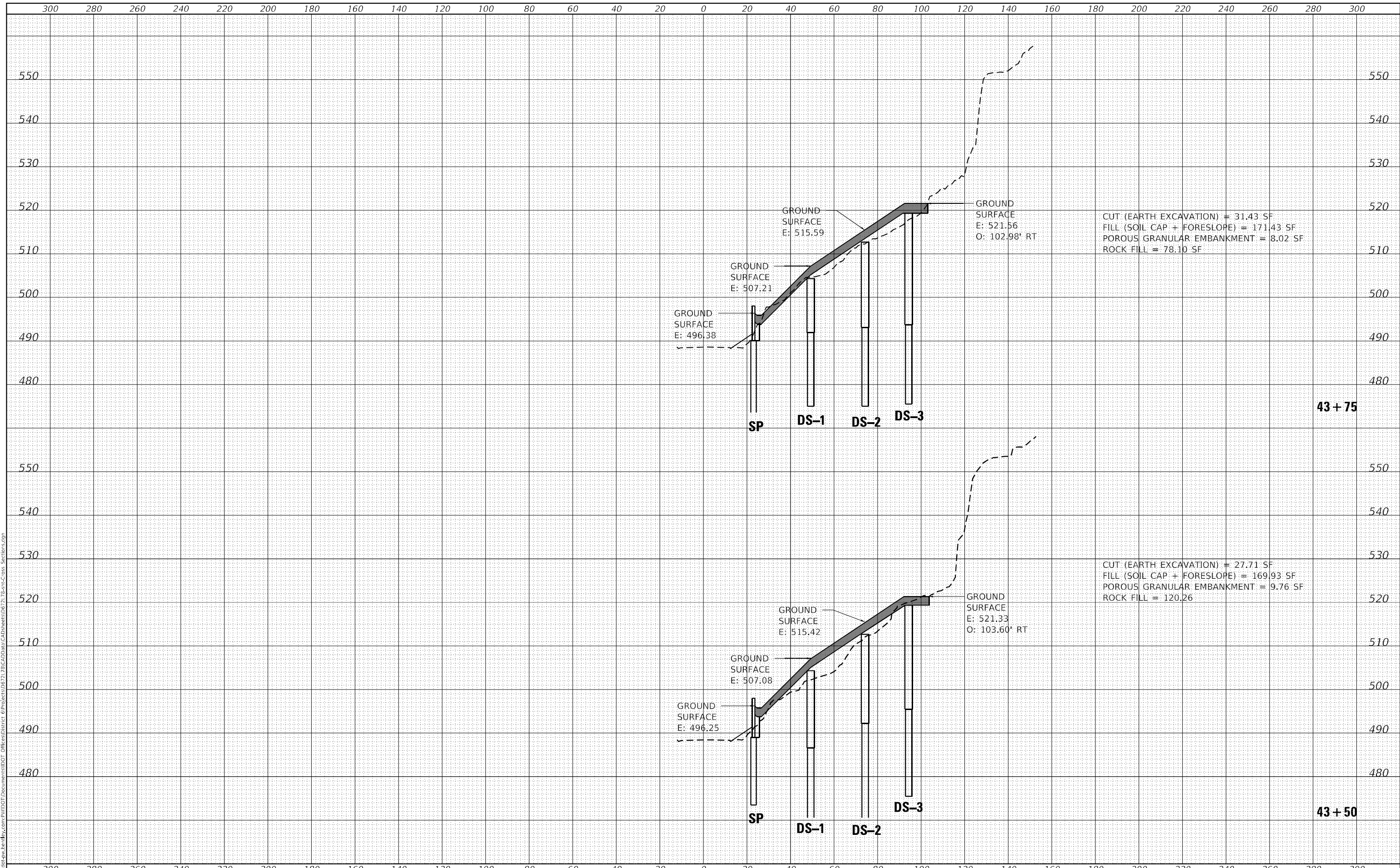
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F.A.P. RTE. 757	SECTION (21) SLP	COUNTY SCOTT	TOTAL SHEETS 33	SHEET NO. 29
CONTRACT NO. 72L78				ILLINOIS FED. AID PROJECT

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USER NAME = Frank.Caraballo	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/21/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

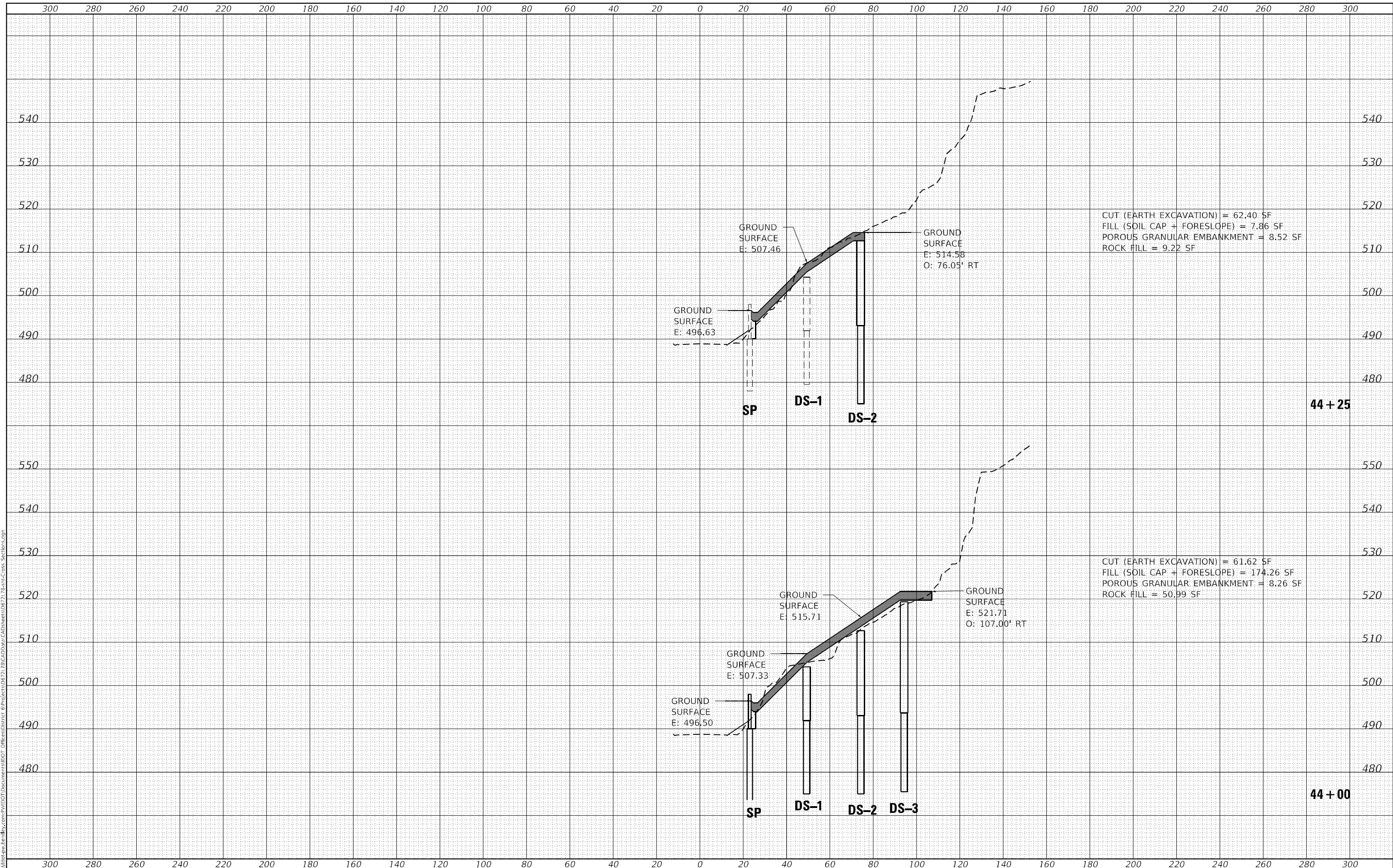
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
757	(21) SLP	SCOTT	33	30
CONTRACT NO. 72L78				
ILLINOIS FED. AID PROJECT				

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

USER NAME = Frank,Caraballo	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/21/2022	DATE -	REVISED -

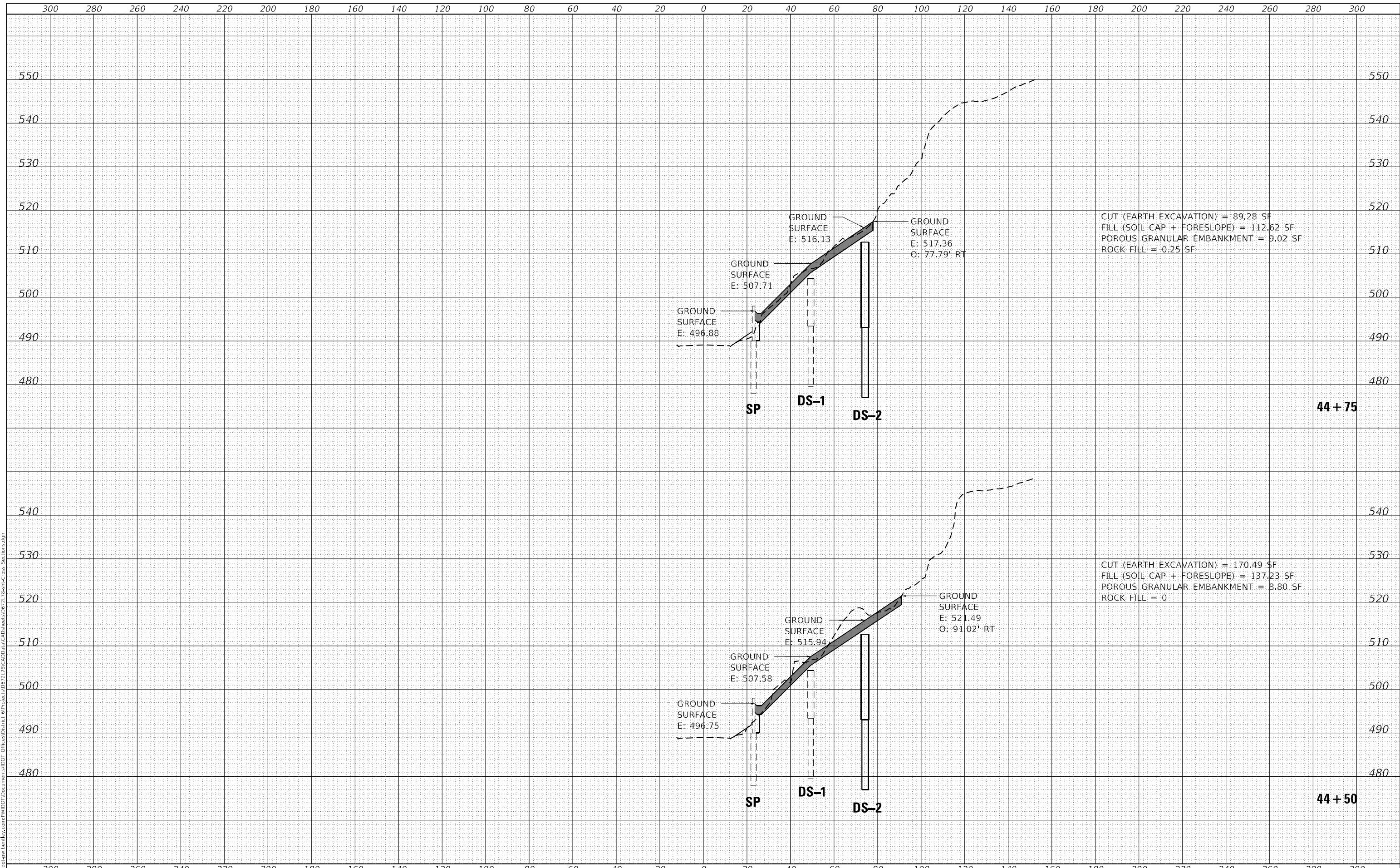
SCALE:	SHEET	OF	SHEETS	STA. 44+00	TO STA. 44+25
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
757	(21) SLP	SCOTT	33	31
CONTRACT NO. 72L78				
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	
NOTE BOOK	
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USER NAME = Frank.Caraballo	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/21/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET	OF	SHEETS	STA. 44+50	TO STA. 44+75
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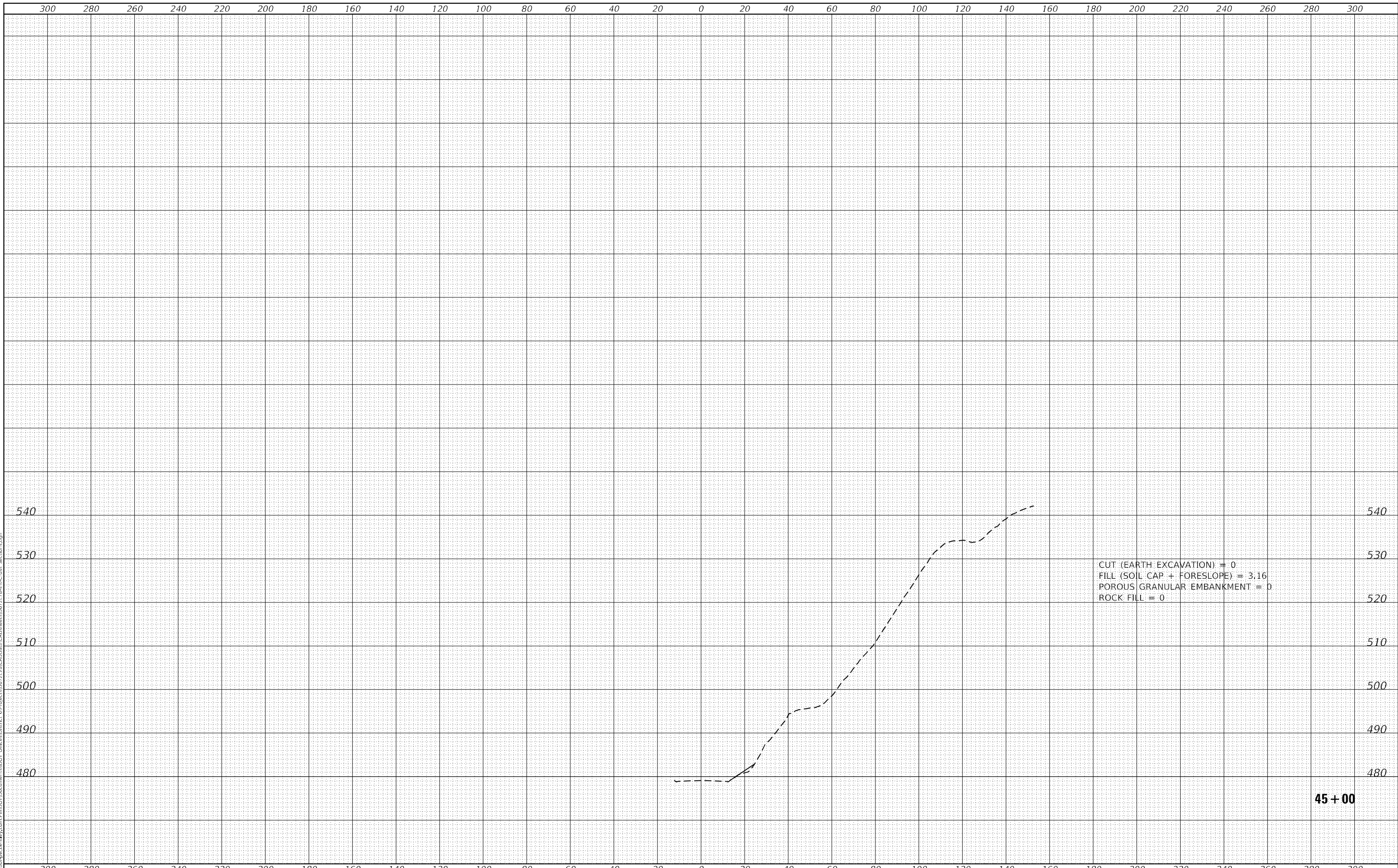
CROSS SECTIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
757	(21) SLP	SCOTT	33	32
CONTRACT NO. 72L78				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

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CUT (EARTH EXCAVATION) = 0
 FILL (SOIL CAP + FORESLOPE) = 3.16
 POROUS GRANULAR EMBANKMENT = 0
 ROCK FILL = 0

USER NAME = Frank.Caraballo	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/21/2022	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 44+50 TO STA. 44+75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
757	(21) SLP	SCOTT	33	33
CONTRACT NO. 72L78				
ILLINOIS FED. AID PROJECT				