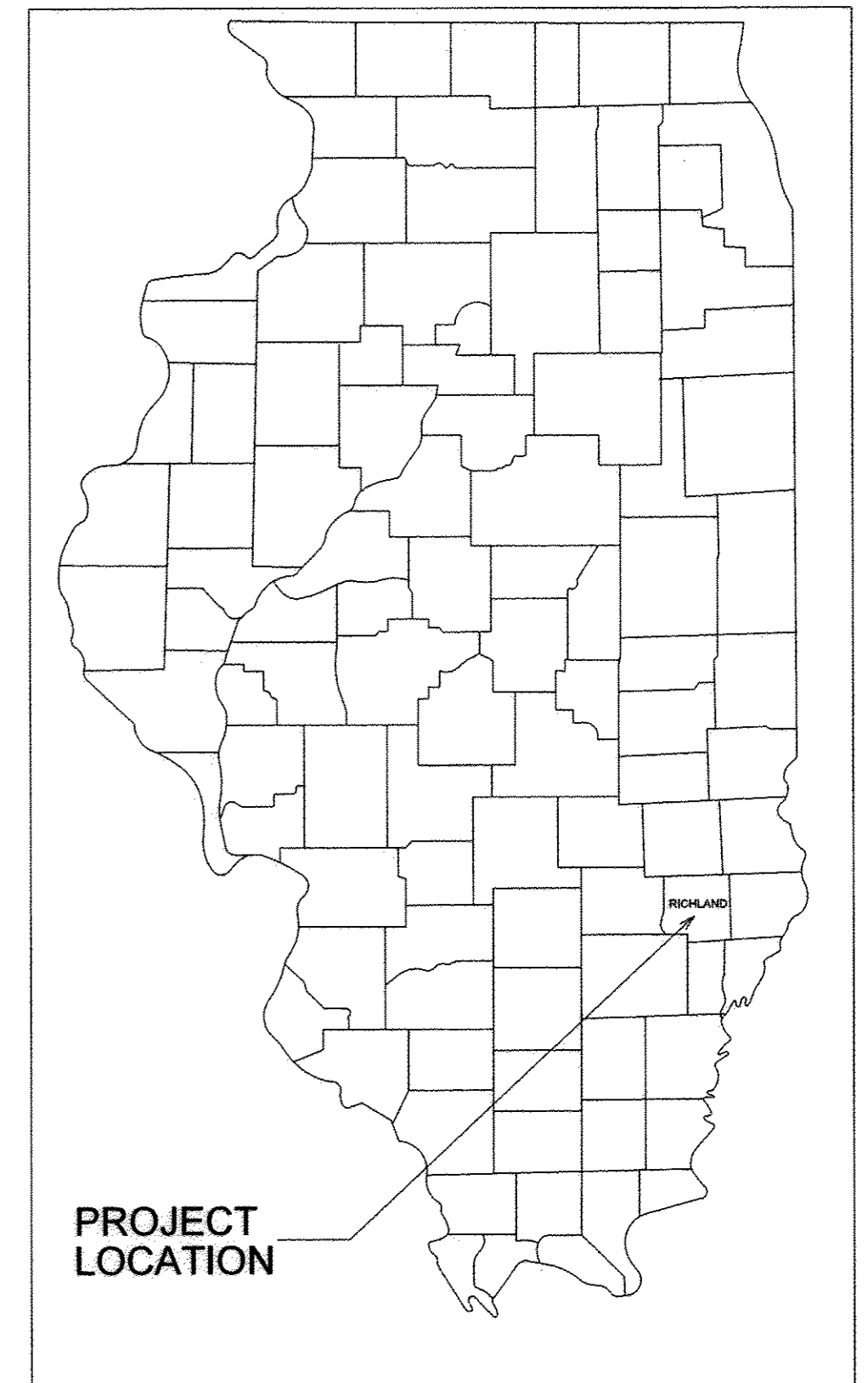


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED  
SURFACE TRANSPORTATION URBAN PROJECT**

SECTION 14-00082-00-WR      CITY OF OLNEY

ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
FAU 8492	14-00082-00-WR	OLNEY	46	1
CONTRACT NO. 95803		ILLINOIS		



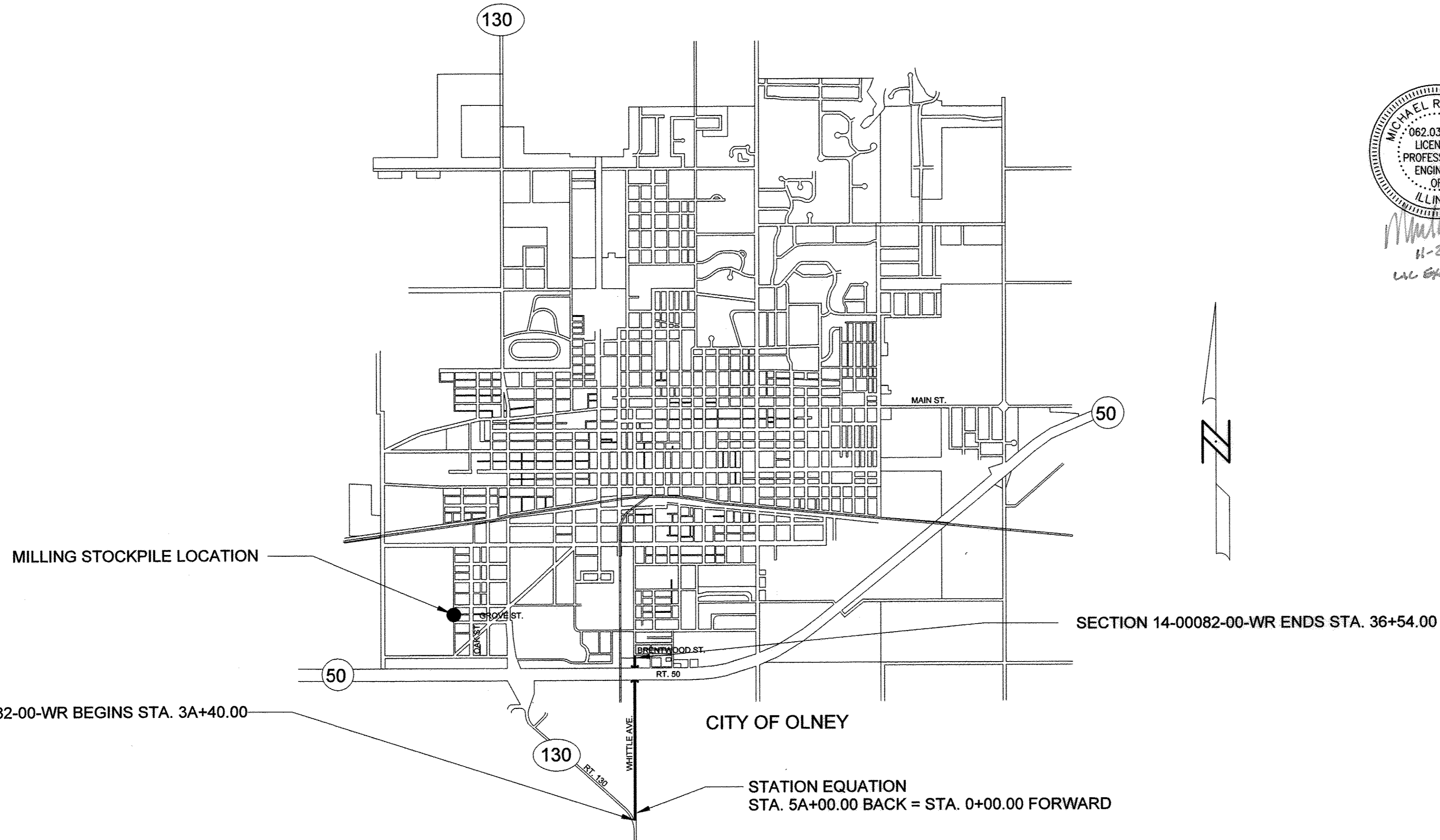
**INDEX OF SHEETS**

SHEET	ITEM
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2	TYPICAL SECTIONS
3	SUMMARY OF QUANTITIES
4	STORM SEWER
5	DRAINAGE STRUCTURES
6-14	PLAN & PROFILE
15-16	BOX CULVERT EXTENSIONS
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	STANDARD 701201-04
	STANDARD 701301-04
	STANDARD 701311-03
	STANDARD 701501-06
	STANDARD 701901-05
	STANDARD 780001-05
	STANDARD BLR 22-7

JOB NO. C-97-033-16  
PROJECT NO. M-5051(013)  
FAU 8492      WHITTLE AVE.

PLAN                      0'      20'      40'  
PROFILE HOR.            0'      20'      40'  
PROFILE VERT.           0'      5'      10'

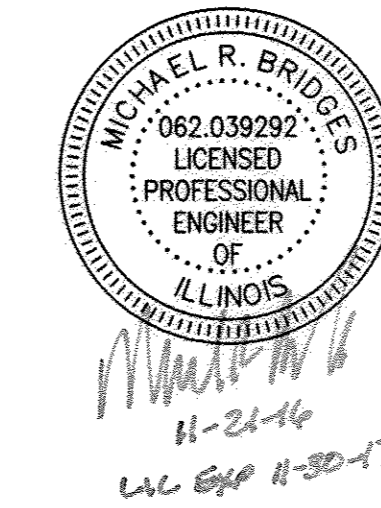
Joint Utility Locating Information for Excavators  
JULIE 1-800-892-0123



CONTRACT NO. 95803

MINOR ARTERIAL  
ADT = 2025  
DESIGN SPEED = 30 M.P.H.

NET LENGTH SECTION 14-00082-00-WR = 3814.00 FEET = 0.722 MILE



**CHARLESTON ENGINEERING, INC.**  
CONSULTING ENGINEERS  
105 NORTH KITCHELL  
P.O. BOX 397  
OLNEY, ILLINOIS 62450  
(618) 392-0736  
ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184.003513

APPROVED: NOVEMBER 21, 2016  
*[Signature]*  
MAYOR - CITY OF OLNEY

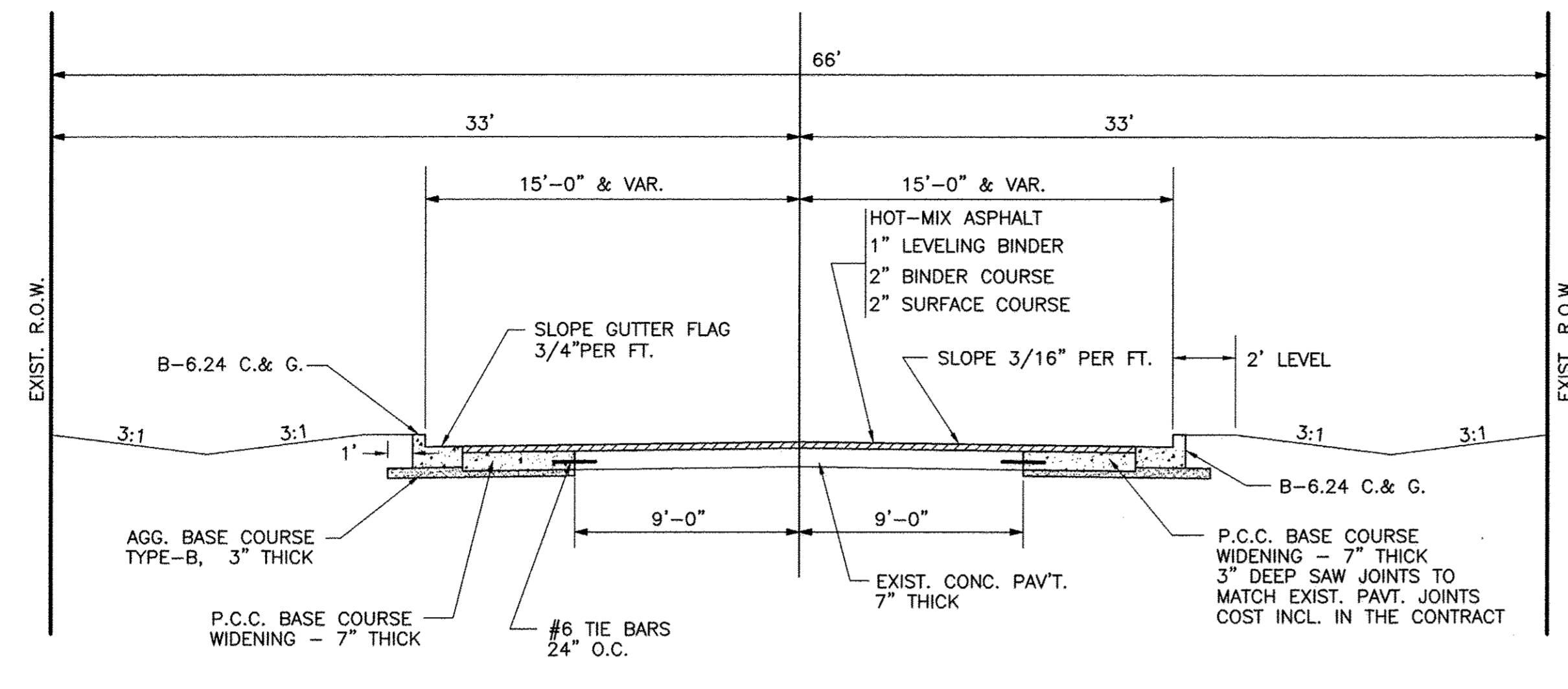
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PASSED: 12/22/2016  
*Maurice E. Kaultz*  
DISTRICT SEVEN ENGINEER OF  
LOCAL ROADS AND STREETS

Releasing For  
Bid Based on  
Limited Review

12/22/2016  
*Jeffrey M. Southy*  
REGION FOUR ENGINEER

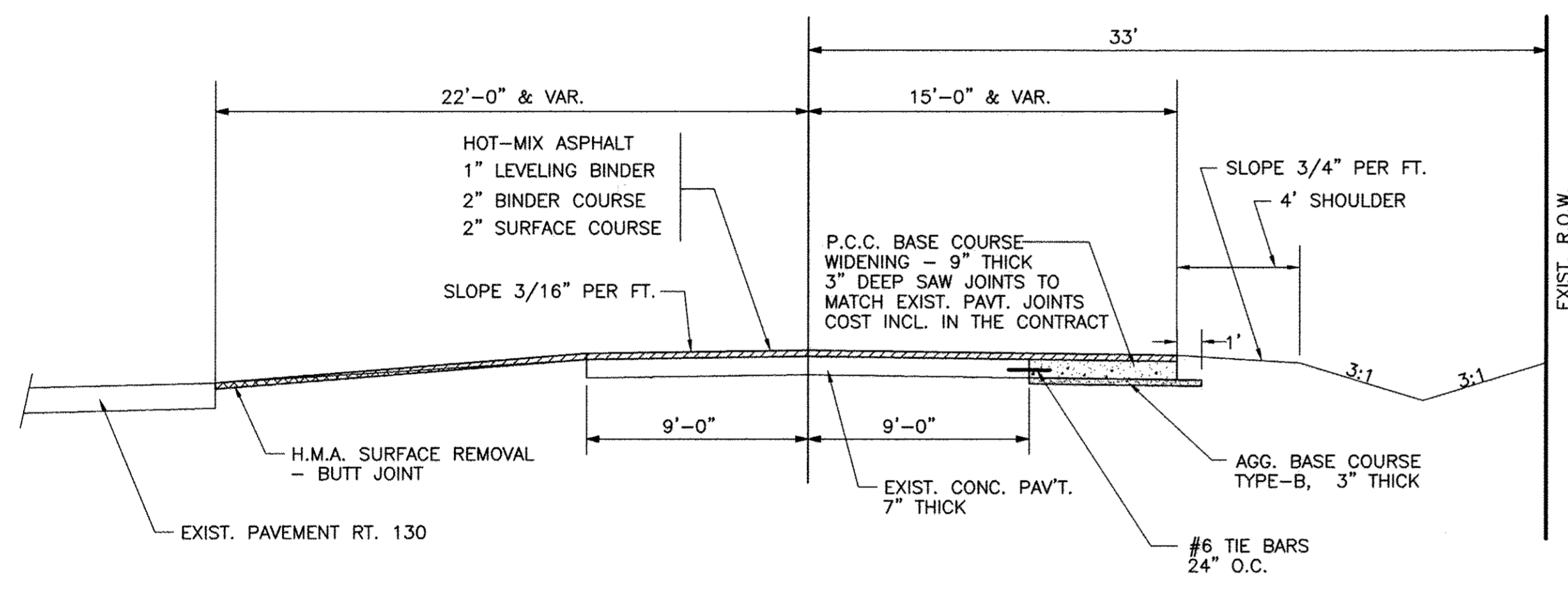
ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	2
CONTRACT 95803		ILLINOIS	PROJECT M-5051(13)	



**PROPOSED TYPICAL CROSS SECTION**

STA. 1+02 TO 36+54

IF THE P.C.C. BASE COURSE WIDENING IS CONSTRUCTED SEPARATELY FROM THE CURB AND GUTTER, THEY SHALL BE TIED TOGETHER WITH #6 TIE BARS 24" O.C. COST INCLUDED IN THE CONTRACT.



**PROPOSED TYPICAL CROSS SECTION**

STA. 3A+40 TO 1+02

**HOT MIX ASPHALT**

**SURFACE COURSE**  
 APPLICATION: HOT-MIX ASPHALT SURFACE COURSE, MIXTURE "C" N70  
 PG GRADE: PG 64-22  
 DESIGN AIR VOIDS: 4.0% @ Ndesign 70  
 MIXTURE COMPOSITION: IL-9.5  
 FRICTION AGGREGATE: MIXTURE C

**BINDER COURSE**  
 APPLICATION: HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70  
 PG GRADE: PG 64-22  
 DESIGN AIR VOIDS: 4.0% @ Ndesign 70  
 MIXTURE COMPOSITION: IL-19.0  
 FRICTION AGGREGATE: N/A

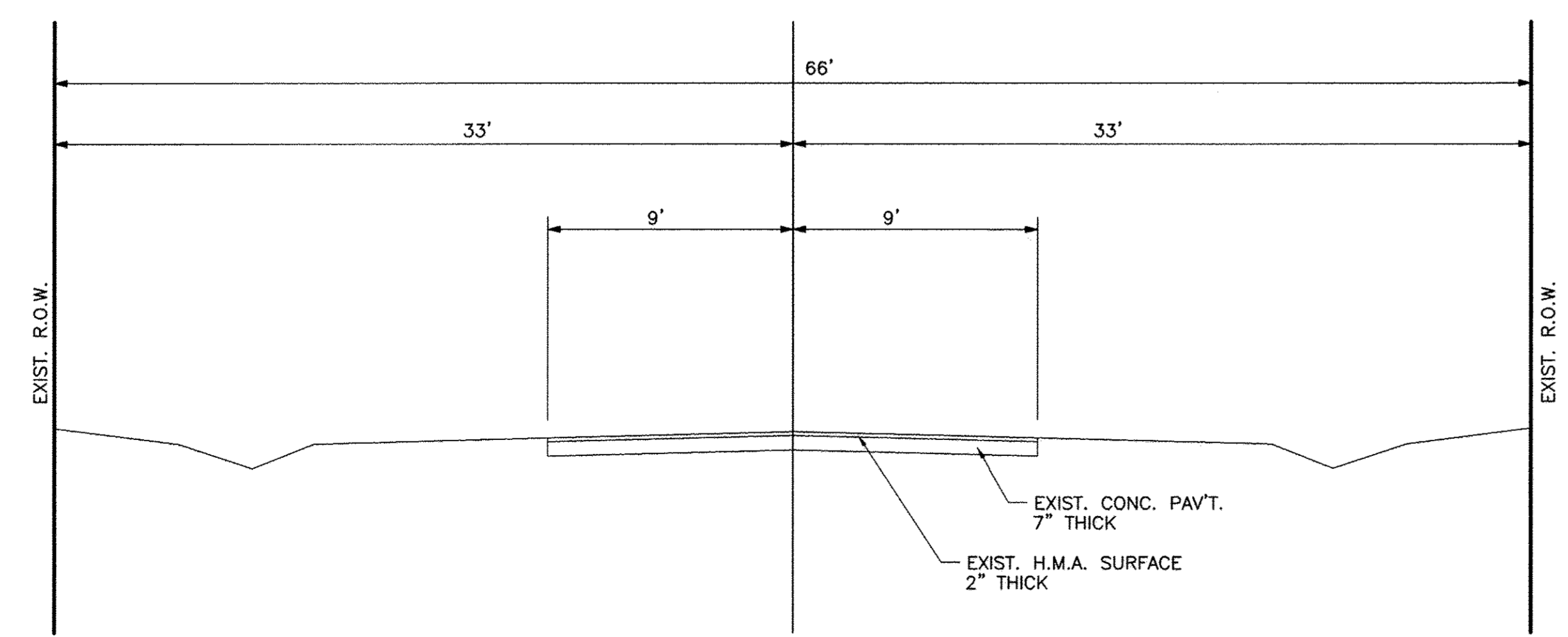
**LEVELING BINDER**  
 APPLICATION: LEVELING BINDER (MACHINE METHOD) N70  
 PG GRADE: PG 64-22  
 DESIGN AIR VOIDS: 4.0% @ Ndesign 70  
 MIXTURE COMPOSITION: IL-9.5  
 FRICTION AGGREGATE: N/A

**GENERAL NOTES**

- SEEDING: THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 250 OF THE STANDARD SPECIFICATIONS AND SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR SEEDING CLASS 1 (SPECIAL)
  - A. SPRING SEEDING SHALL EXTEND FROM JANUARY 1 TO JUNE 30
  - FALL SEEDING SHALL EXTEND FROM JULY 1 TO DECEMBER 31
  - B. FERTILIZER NUTRIENTS SHALL BE APPLIED AT THE RATE OF 100 LB./ACRE
  - C. MULCHING SHALL BE DONE IN ACCORDANCE WITH SECTION 251 OF THE STANDARD SPECIFICATIONS AND SHALL BE DONE BY METHOD 2, PROCEDURE 1 AT THE RATE OF 2 TONS PER ACRE.
- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED AGENT OR SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE FOR THE DELIVERY OF THE U.S. MAIL TO RESIDENCES ALONG THE PROJECT.
- THE CONTRACTOR SHALL CONTACT J.U.L.I.E. BEFORE INSTALLING ANY TRAFFIC CONTROL SIGNS.
- EXCEPT FOR TREE REMOVAL, ALL OTHER CLEARING AND GRUBBING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR EARTH EXCAVATION.
- AGGREGATE SURFACE COURSE, TYPE B, SHALL BE USED AS DIRECTED BY THE ENGINEER ON AGGREGATE DRIVES AND THE 2 STORM SEWER CROSSINGS.

**PAVEMENT DESIGN DATA**

ADT (2025)=2025 CLASS II  
 PV = 1905  
 SU = 90  
 MU = 30  
 IBV = 3.0  
 T.F. = 0.30  
 MINOR ARTERIAL  
 PAVEMENT TYPE: P.C.C. WIDENING 7" THICK TIED TO EXIST PAVT.  
 OVERLAY TYPE: H.M.A. LEVELING BINDER 1" THICK  
 H.M.A. BINDER COURSE 2" THICK  
 H.M.A. SURFACE COURSE 2" THICK



**EXISTING TYPICAL CROSS SECTION**



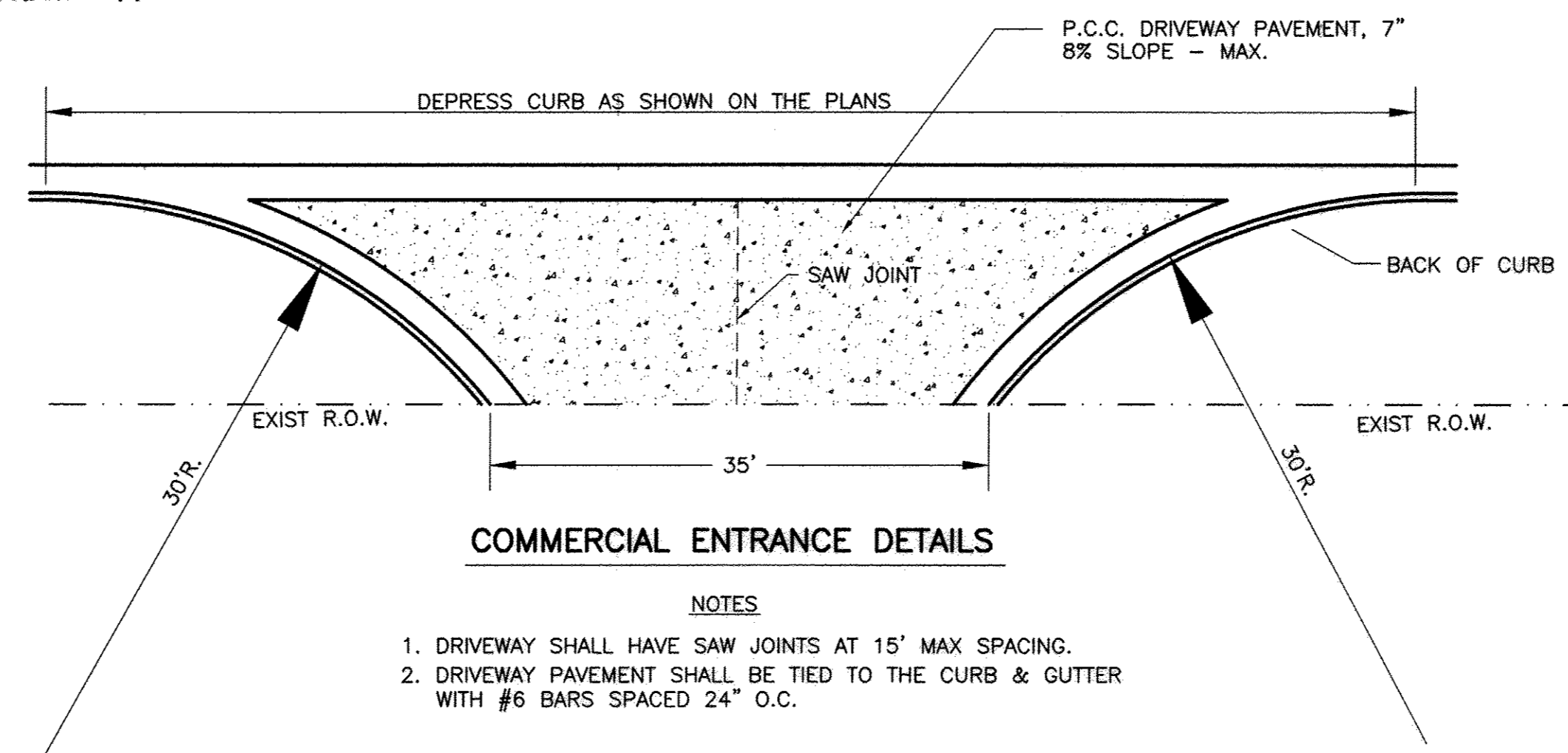
SUMMARY OF QUANTITIES

ITEM	UNIT	QUANT.
20100500	TREE REMOVAL, ACRES	ACRE 0.40
20200100	EARTH EXCAVATION	CU.YD. 1900
20400800	FURNISHED EXCAVATION	CU.YD. 1110
20800150	TRENCH BACKFILL	CU.YD. 303
25100900	TURF REINFORCEMENT MAT	SQ.YD. 1110
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND 400
28000305	TEMPORARY DITCH CHECKS	FOOT 175
28000400	PERIMETER EROSION BARRIER	FOOT 710
28000500	INLET AND PIPE PROTECTION	EACH 64
28100805	STONE DUMPED RIPRAP, CLASS A3	TON 55
35101400	AGGREGATE BASE COURSE, TYPE B	TON 1370
35300200	PORTLAND CEMENT CONCRETE BASE COURSE 7"	SQ.YD. 41
35400200	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 7"	SQ.YD. 3450
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON 250
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND 10250
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON 720
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ.YD. 473
40600990	TEMPORARY RAMP	SQ.YD. 567
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON 1425
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON 1425
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ.YD. 759
42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ.YD. 803
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ.YD. 7722
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ.YD. 76
44200914	CLASS B PATCHES, TYPE I, 7 INCH	SQ.YD. 53
44200919	CLASS B PATCHES, TYPE II, 7 INCH	SQ.YD. 115
44200924	CLASS B PATCHES, TYPE III, 7 INCH	SQ.YD. 35
44200926	CLASS B PATCHES, TYPE IV, 7 INCH	SQ.YD. 20
50104400	CONCRETE HEADWALL REMOVAL	EACH 6
50105220	PIPE CULVERT REMOVAL	FOOT 917
50800105	REINFORCEMENT BARS	POUND 5566
54002020	EXPANSION BOLTS 3/4"	EACH 58
54003000	CONCRETE BOX CULVERTS	CU.YD. 24.8
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT 28
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH 8
54213666	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 21"	EACH 1
54216180	REINFORCED CONCRETE PIPE TEE, 12" PIPE WITH 12" RISER	EACH 15
54216185	REINFORCED CONCRETE PIPE TEE, 15" PIPE WITH 12" RISER	EACH 5
54216190	REINFORCED CONCRETE PIPE TEE, 18" PIPE WITH 12" RISER	EACH 5
54216195	REINFORCED CONCRETE PIPE TEE, 21" PIPE WITH 12" RISER	EACH 3
54216200	REINFORCED CONCRETE PIPE TEE, 24" PIPE WITH 12" RISER	EACH 14

SUMMARY OF QUANTITIES

ITEM	UNIT	QUANT.
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT 2939
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT 698
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT 579
550A0110	STORM SEWERS, CLASS A, TYPE 1 21"	FOOT 298
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT 1361
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU.YD. 9.5
60100905	PIPE DRAINS 4"	FOOT 12
60100925	PIPE DRAINS 8"	FOOT 12
60218300	MANHOLES, TYPE A, 4'-DIAMETER,TYPE 1 FRAME, OPEN LID	EACH 1
60218400	MANHOLES, TYPE A, 4'-DIAMETER,TYPE 1 FRAME, CLOSED LID	EACH 3
60221100	MANHOLES, TYPE A, 5'-DIAMETER,TYPE 1 FRAME, CLOSED LID	EACH 1
60235300	INLETS, TYPE A, TYPE 1 FRAME, CLOSED LID	EACH 1
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH 15
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH 9
60237460	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	EACH 64
60240210	INLETS, TYPE B, TYPE 1 FRAME, OPEN LID	EACH 1
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH 11
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT 7602
66900200	NON-SPECIAL WASTE DISPOSAL	CU.YD. 180
66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM 1
66900530	SOIL DISPOSAL ANALYSIS	EACH 1
67100100	MOBILIZATION	L SUM 1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM 1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM 1
70300100	SHORT TERM PAVEMENT MARKING	FOOT 2695
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ.FT. 910
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT 960
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT 960
X0327301	RELOCATE EXISTING MAILBOX	EACH 22
X2500900	SEEDING, CLASS 1 (SPECIAL)	ACRE 3.1
X0323389	STORM SEWER CONNECTION	EACH 8
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ.FT. 320
X6022230	MANHOLES, TYPE A, 4'-DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH 7
X6022930	MANHOLES, TYPE A, 5'-DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH 5
X6024242	INLETS, SPECIAL, NO. 1	EACH 8
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM 1
Z0048400	RAILROAD CROSSING REMOVAL	EACH 1
Z0051500	REMOVING AND RESETTING STREET SIGNS	EACH 10

Δ SPECIALTY ITEMS



**COMMERCIAL ENTRANCE DETAILS**

NOTES  
 1. DRIVEWAY SHALL HAVE SAW JOINTS AT 15' MAX SPACING.  
 2. DRIVEWAY PAVEMENT SHALL BE TIED TO THE CURB & GUTTER WITH #6 BARS SPACED 24" O.C.

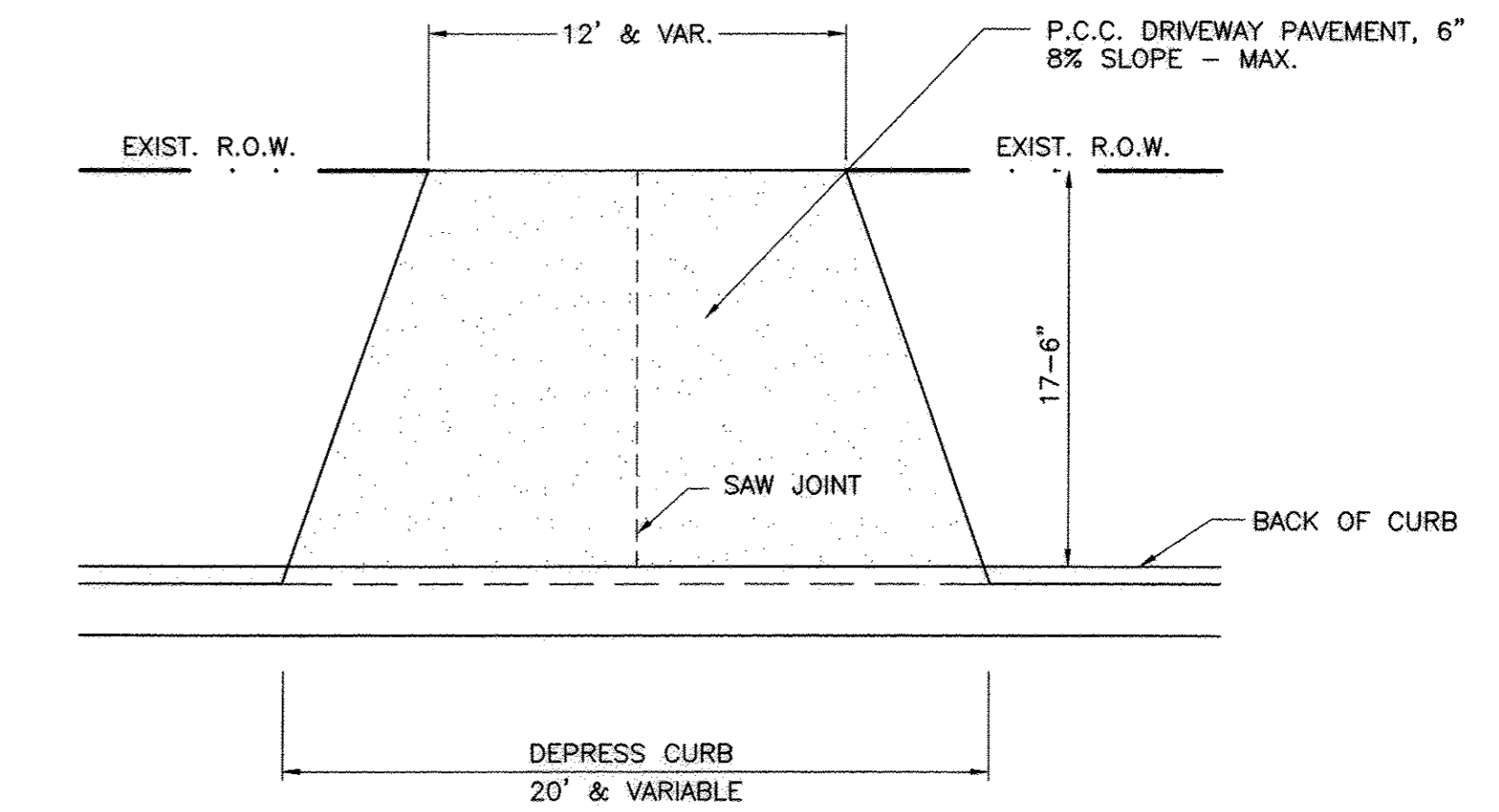
ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	3
CONTRACT 95803		ILLINOIS	PROJECT M-5051(13)	

EXCAVATION AND EMBANKMENT

ITEM	CU.YD.
EARTH EXCAVATION FROM ROADWAY	1900
OTHER SOURCES OF EARTH FROM TRENCHES FROM STORM SEWER	215
540	
TOTAL	2655
EMBANKMENT ROADWAY	3100
FURNISHED EXCAVATION	1110

BITUMINOUS MATERIALS - TACK COAT

ITEM	BIT. MATLS. TACK COAT - POUND
AFTER MILLING	5,175
AFTER LEVEL BINDER	2,588
AFTER BINDER COURSE	2,587
TOTAL	10,350 POUND



PRIVATE ENTRANCE DETAILS

NOTES  
 1. DRIVEWAYS WIDER THAN 30' AT THE CURB SHALL HAVE SAW JOINTS AT 15' SPACING MAX.

WORK ZONE PAVEMENT MARKING

ITEM	SHORT TERM PAVT. MARKING - FOOT	SHORT TERM PAVT. MRK. REM. - SQ.FT.
AFTER MILLING	385	130
AFTER TACK COAT	385	130
AFTER LEVEL BINDER	385	130
AFTER TACK COAT	385	130
AFTER BINDER COURSE	385	130
AFTER TACK COAT	385	130
AFTER SURFACE COURSE	385	130
BEFORE FINAL STRIPING		130
TOTALS	2695 FOOT	910 SQ.FT.

ITEM	TEMP. PAVT. MARK. -LINE 4" - FOOT	PAVT. MARK. REM. - WATER BLAST - SQ.FT.
IF FINAL STRIPING CANNOT BE COMPLETED BEFORE WINTER	960 FOOT	320 SQ.FT.

ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	4
CONTRACT 95803		ILLINOIS	PROJECT M-5051(13)	

STORM SEWERS						
LOCATION	TY-1,12"	TY-1,15"	TY-1,18"	TY-1,24"	TR.B'FILL	CLSM
1 TO 2	8				1.2	
1 TO 5	90					
3 TO 4	8				1.2	
4 TO 8	90					
5 TO 6	8				1.8	
7 TO 8	8				1.8	
5 TO 9	94					
9 TO 10	8				2.0	
8 TO 12	94					
11 TO 12	8				2.0	
9 TO 14A	70					
14 TO 14A	8				2.2	
12 TO 15A	70					
15 TO 15A	8				2.2	
14A TO 13	7					
15A TO 16	7					
17 TO 19				68	2.3	
19 TO 20						
18 TO 22	7			68	2.3	
21 TO 22	7					
19 TO 25				68	5.8	
23 TO 26	5					
25 TO 26	7					
22 TO 28				68	5.8	
24 TO 27	5					
27 TO 28	7					
25 TO 29				78	1.7	
29 TO 30	7					
28 TO 32				78	1.7	
31 TO 32	7					
29 TO 33				78	1.8	
33 TO 34	7					
32 TO 36	7			78	1.8	
35 TO 36	7					
33 TO 38				105	4.2	
38 TO 39	7				1.7	
36 TO 41				105	6.3	
40 TO 41	7				1.7	
38 TO 45				78		
45 TO 46	7				1.3	
41 TO 48			78		5.8	
47 TO 48	8				2.8	
45 TO 50				34		
50 TO 52				32		
52 TO 53	7				1.2	
52 TO 58				11		
48 TO 55			78		6.0	
54 TO 55	8				1.2	
55 TO 56			4			
58 TO 61				94		
61 TO 62	7				1.3	
56 TO 60			94		6.5	
60 TO 64			10			
63 TO 64	8				1.3	
64 TO 65			16			
61 TO 67			80			
67 TO 68	8				1.1	
67 TO 73			80			
65 TO 70			62			
69 TO 70	8				1.1	
70 TO 72			5			
72 TO 76			72			
75 TO 76	7				1.1	
73 TO 77		132				
77 TO 78	8				1.0	
77 TO 84		106				
84 TO 85	7				1.0	
76 TO 80		132			6.0	
79 TO 80	7				1.0	
80 TO 81	40					
81 TO 87	62					
86 TO 87	8				1.0	
84 TO 88	74					
88 TO 89	8				1.0	
87 TO 91	74					
90 TO 91	8				1.0	

STORM SEWERS							
LOCATION	TY-1,12"	TY-1,15"	TY-1,18"	TY-1,21"	TY-1,24"	TR.B'FILL	CLSM
88 TO 93	74					4.0	
93 TO 94	8					2.0	
93 TO 97	22					1.8	
91 TO 92	8						
92 TO 96	68					5.3	
95 TO 96	8					1.0	
96 TO 98	22						
97 TO 99	66						
99 TO 100	8					1.1	
98 TO 102	66						
101 TO 102	8					1.1	
103 TO 107	42					2.6	
106 TO 107	7					0.9	
104 TO 105	5					0.9	
104 TO 109	88						
109 TO 110	5					1.0	
107 TO 108	40						
108 TO 112	42					3.4	
111 TO 112	7					1.0	
109 TO 113	88						
113 TO 114	5					1.0	
112 TO 116	88						
115 TO 116	7					1.0	
113 TO 118	40						
118 TO 119	48					4.3	
119 TO 120	5					0.9	
116 TO 117	22						
117 TO 122	64					11.2	
121 TO 122	3					0.9	
119 TO 123		82				2.2	
123 TO 124	5					1.0	
122 TO 126		82					
125 TO 126	7					1.0	
123 TO 127		78					
127 TO 128	5						
128 TO 132	5					3.6	
127 TO 131		6					
126 TO 130		74					
129 TO 130	7						
129 TO 133	5					3.6	
130 TO 134		6					
135 TO 137					78		
137 TO 138	6					0.8	
136 TO 140					78		
139 TO 140	6					0.8	
137 TO 144					78		
143 TO 144	6					4.1	
140 TO 141	76					0.7	
141 TO 142	7					3.2	
144 TO 148					84	0.7	
148 TO 149						4.4	
141 TO 146	64					1.0	
146 TO 147	7					2.4	
148 TO 150					44	0.7	
150 TO 151	7					3.3	
146 TO 154	80					1.0	
153 TO 154	7					3.9	
150 TO 152					6	0.9	
152 TO 155					38		
155 TO 160					80	3.3	
159 TO 160	7					1.2	
154 TO 156	38						
156 TO 157	74					5.4	
157 TO 158	7					1.1	
157 TO 162	35						
160 TO 161					6		
161 TO 163					40		
163 TO 168					72	6.0	
167 TO 168	7						
168 TO 169					6		
169 TO 170					6	1.0	
170 TO 171	6						
164 TO 165	6					0.7	
165 TO 166	52						
165 TO 172	110					3.2	
172 TO 175	96						
173 TO 174	28					1.6	4.3
174 TO 175	5						
175 TO 178	132						
176 TO 177	28					2.0	5.2
177 TO 178	5						
179 TO 180	5						
TOTALS	2939	698	579	298	1361	205.5	9.5



ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00081-00-WR	OLNEY	46	5
CONTRACT 95803		ILLINOIS	PROJECT M-5051(13)	

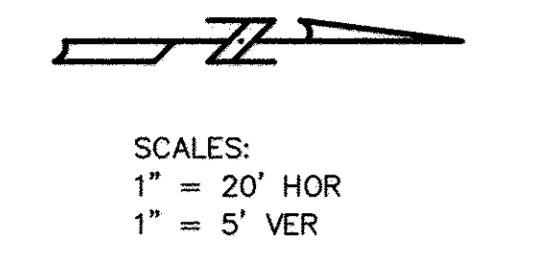
DRAINAGE STRUCTURES					
NO.	DIST.	STA.	ITEM	GRATE	INV.
1	24' RT.	3+00	INLET, TY-A, W/TY-8 GR	458.30	456.02
2	14.5' RT.	3+00	INLET, TY-A, W/TY-23 F&G	459.74	456.12
3	14.5' LT.	3+00	INLET, TY-A, W/TY-23 F&G	459.74	456.12
4	24' LT.	3+00	INLET, TY-A, W/TY-1 F&C	458.30	456.02
5	24' RT.	4+00	R.C. PIPE TEE, 12" P. 12" R.	-	453.90
6	14.5' RT.	4+00	INLET, TY-A, W/TY-23 F&G	459.12	454.00
7	14.5' LT.	4+00	INLET, TY-A, W/TY-23 F&G	459.12	454.00
8	24' LT.	4+00	R.C. PIPE TEE, 12" P. 12" R.	-	453.90
9	24' RT.	5+00	R.C. PIPE TEE, 12" P. 12" R.	-	451.63
10	14.5' RT.	5+00	INLET, TY-A, W/TY-23 F&G	458.30	451.73
11	14.5' LT.	5+00	INLET, TY-A, W/TY-23 F&G	458.30	451.73
12	24' LT.	5+00	R.C. PIPE TEE, 12" P. 12" R.	-	451.63
13	24' RT.	5+84	ST. SEW. CONN. TO BOX CULVERT	-	449.70
14	14.5' RT.	5+75	INLET, TY-A, W/TY-23 F&G	457.73	451.50
14A	24' RT.	5+75	R.C. PIPE TEE, 12" P. 12" R.	-	449.78
15	14.5' LT.	5+75	INLET, TY-A, W/TY-23 F&G	457.73	451.50
15A	24' LT.	5+75	R.C. PIPE TEE, 12" P. 12" R.	-	449.78
16	24' LT.	5+84	ST. SEW. CONN. TO BOX CULVERT	-	449.70
17	24' RT.	5+87	ST. SEW. CONN. TO BOX CULVERT	-	449.70
18	24' LT.	5+87	ST. SEW. CONN. TO BOX CULVERT	-	449.70
19	24' RT.	6+58	R.C. PIPE TEE, 24" P. 12" R.	-	450.36
20	14.5' RT.	6+58	INLET, TY-A, W/TY-23 F&G	457.30	450.96
21	14.5' LT.	6+58	INLET, TY-A, W/TY-23 F&G	457.30	450.96
22	24' LT.	7+24	R.C. PIPE TEE, 24" P. 12" R.	-	450.36
23	14.5' RT.	7+24	INLET, TY-A, W/TY-11 F&G	457.20	451.66
24	14.5' LT.	7+24	INLET, TY-A, W/TY-11 F&G	457.20	451.66
25	24' RT.	7+30	R.C. PIPE TEE, 24" P. 12" R.	-	451.00
26	14.5' RT.	7+30	INLET, TY-A, W/TY-11 F&G	457.20	451.60
27	14.5' LT.	7+30	INLET, TY-A, W/TY-11 F&G	457.20	451.60
28	24' LT.	7+30	R.C. PIPE TEE, 24" P. 12" R.	-	451.00
29	24' RT.	8+13	R.C. PIPE TEE, 24" P. 12" R.	-	451.75
30	14.5' RT.	8+13	INLET, TY-A, W/TY-23 F&G	457.36	452.35
31	14.5' LT.	8+13	INLET, TY-A, W/TY-23 F&G	457.36	452.35
32	24' LT.	8+13	R.C. PIPE TEE, 24" P. 12" R.	-	451.75
33	24' RT.	8+96	R.C. PIPE TEE, 24" P. 12" R.	-	452.50
34	14.5' RT.	8+96	INLET, TY-A, W/TY-23 F&G	457.80	453.10
35	14.5' LT.	8+96	INLET, TY-A, W/TY-23 F&G	457.80	453.10
36	24' LT.	8+96	R.C. PIPE TEE, 24" P. 12" R.	-	452.50
37	24' RT.	9+62	INLETS, SPECIAL, NO. 1	456.50	453.09
38	24' RT.	10+08	R.C. PIPE TEE, 24" P. 12" R.	-	454.85
39	14.5' RT.	10+08	INLET, TY-A, W/TY-23 F&G	458.43	453.61
40	14.5' LT.	10+08	INLET, TY-A, W/TY-23 F&G	458.43	453.61
41	24' LT.	10+08	M.H., TY-A, 5' DIA., W/SPL F&G	456.60	453.51
42	30' LT.	10+08	P.R.C.F.E.S. 12"	456.75	454.45
43	24' RT.	10+16	INLETS, SPECIAL, NO. 1	457.10	453.58
44	24' LT.	10+48	INLET, TY-B, W/TY-8 GR	456.90	453.87
45	24' RT.	10+90	R.C. PIPE TEE, 24" P. 12" R.	-	454.25
46	14.5' RT.	10+90	INLET, TY-A, W/TY-23 F&G	458.91	454.85
47	14.5' LT.	10+90	INLET, TY-A, W/TY-23 F&G	458.91	454.85
48	24' LT.	10+90	R.C. PIPE TEE, 18" P. 12" R.	-	454.25
49	24' RT.	10+98	INLETS, SPECIAL, NO. 1	457.50	454.32
50	24' RT.	11+30	M.H., TY-A, 5' DIA., W/SPL F&G	457.80	454.61
51	30' RT.	11+30	P.R.C.F.E.S. 12"	457.70	455.40
52	24' RT.	11+68	R.C. PIPE TEE, 24" P. 12" R.	-	454.95
53	14.5' RT.	11+68	INLET, TY-A, W/TY-23 F&G	459.35	455.55
54	14.5' LT.	11+68	INLET, TY-A, W/TY-23 F&G	459.35	455.55
55	24' LT.	11+68	R.C. PIPE TEE, 18" P. 12" R.	-	454.95
56	24' LT.	11+74	M.H., TY-A, 4' DIA., W/SPL F&G	457.70	455.00
57	30' LT.	11+74	P.R.C.F.E.S. 12"	457.90	455.45
58	24' RT.	11+83	M.H., TY-A, 5' DIA., W/SPL F&G	458.20	455.08
59	30' RT.	11+83	P.R.C.F.E.S. 12"	458.25	455.50
60	24' LT.	12+70	INLET, TY-B, W/TY-8 GR	459.00	455.86
61	24' RT.	12+84	M.H., TY-A, 5' DIA., W/SPL F&G	458.90	455.99
62	14.5' RT.	12+84	INLET, TY-A, W/TY-23 F&G	460.01	456.09
63	14.5' LT.	12+84	INLET, TY-A, W/TY-23 F&G	460.01	456.34
64	24' LT.	12+84	R.C. PIPE TEE, 18" P. 12" R.	-	455.99
65	24' LT.	13+02	M.H., TY-A, 4' DIA., W/SPL F&G	459.20	456.16
66	30' LT.	13+02	P.R.C.F.E.S. 12"	458.75	456.85
67	24' RT.	13+67	R.C. PIPE TEE, 18" P. 12" R.	-	456.74
68	14.5' RT.	13+67	INLET, TY-A, W/TY-23 F&G	460.49	457.09
69	14.5' LT.	13+67	INLET, TY-A, W/TY-23 F&G	460.49	457.09
70	24' LT.	13+67	R.C. PIPE TEE, 18" P. 12" R.	-	456.74
71	24' RT.	13+75	INLETS, SPECIAL, NO. 1	458.70	456.81
72	24' LT.	13+75	INLET, TY-B, W/TY-8 GR	459.20	456.81
73	14.5' RT.	14+50	M.H., TY-A, 4' DIA., W/SPL F&G	459.90	457.52
74	14.5' LT.	14+50	INLET, TY-A, W/TY-23 F&G	461.08	457.62
75	14.5' LT.	14+50	INLET, TY-A, W/TY-23 F&G	461.08	457.62
76	24' LT.	14+50	M.H., TY-A, 4' DIA., W/SPL F&G	459.90	457.52
77	24' RT.	15+87	R.C. PIPE TEE, 15" P. 12" R.	-	459.07
77A	24' RT.	15+95	INLETS, SPECIAL, NO. 1	460.50	459.13
78	14.5' RT.	15+87	INLET, TY-A, W/TY-23 F&G	462.42	459.17
79	14.5' LT.	15+87	INLET, TY-A, W/TY-23 F&G	462.42	459.17
80	24' LT.	15+87	M.H., TY-A, 4' DIA., W/SPL F&G	461.05	459.07
81	24' LT.	16+30	M.H., TY-A, 4' DIA., W/SPL F&G	461.50	459.56
82	30' LT.	16+30	P.R.C.F.E.S. 12"	460.70	459.60
83	30' RT.	16+98	P.R.C.F.E.S. 12"	462.30	460.35
84	24' RT.	16+98	M.H., TY-A, 4' DIA., W/SPL F&G	462.35	460.32
85	14.5' RT.	16+98	INLET, TY-A, W/TY-23 F&G	463.60	460.42
86	14.5' LT.	16+98	INLET, TY-A, W/TY-23 F&G	463.60	460.42
87	24' LT.	16+98	R.C. PIPE TEE, 12" P. 12" R.	-	460.32
87A	24' LT.	17+06	INLETS, SPECIAL, NO. 1	461.50	460.38
88	24' RT.	17+75	INLET, TY-B, W/TY-8 GR	463.20	461.19
89	14.5' RT.	17+75	INLET, TY-A, W/TY-23 F&G	464.42	461.29
90	14.5' LT.	17+75	INLET, TY-A, W/TY-23 F&G	464.42	461.29
91	24' LT.	17+75	R.C. PIPE TEE, 12" P. 12" R.	-	461.19
92	24' LT.	17+83	INLET, TY-A, W/TY-8 GR	462.50	461.28
93	24' RT.	18+55	R.C. PIPE TEE, 12" P. 12" R.	-	462.10
94	14.5' RT.	18+55	INLET, TY-A, W/TY-23 F&G	465.36	462.20
95	14.5' LT.	18+55	INLET, TY-A, W/TY-23 F&G	465.36	462.20
96	24' LT.	18+55	R.C. PIPE TEE, 12" P. 12" R.	-	462.10
97	24' RT.	18+80	INLET, TY-A, W/TY-8 GR	464.50	462.38
98	24' LT.	18+80	INLETS, SPECIAL, NO. 1	463.70	462.38
99	24' RT.	19+50	INLET, TY-A, W/TY-8 GR	465.90	463.18
100	14.5' RT.	19+50	INLET, TY-A, W/TY-23 F&G	466.74	463.28
101	14.5' LT.	19+50	INLET, TY-A, W/TY-23 F&G	466.74	463.28
102	24' LT.	19+50	INLET, TY-A, W/TY-8 GR	465.00	463.18
103	22.5' LT.	20+50	INLET, TY-A, W/TY-8 GR	466.80	464.84
104	21' RT.	20+95	INLET, TY-A, W/TY-8 GR	466.70	464.66
105	14.5' RT.	20+95	INLET, TY-A, W/TY-23 F&G	467.52	464.52
106	14.5' LT.	20+95	INLET, TY-A, W/TY-23 F&G	467.52	464.52
107	22.5' LT.	20+95	R.C. PIPE TEE, 12" P. 12" R.	-	464.46
108	22.5' LT.	21+38	INLET, TY-A, W/TY-8 GR	466.80	462.04
109	21' RT.	21+38	INLET, TY-B, W/TY-8 GR	466.20	463.71

DRAINAGE STRUCTURES					
NO.	DIST.	STA.	ITEM	GRATE	INV.
110	14.5' RT.	21+85	INLET, TY-A, W/TY-23 F&G	467.08	463.77
111	14.5' LT.	21+85	INLET, TY-A, W/TY-23 F&G	467.08	463.77
112	22.5' LT.	21+85	R.C. PIPE TEE, 12" P. 12" R.	-	463.71
113	21' RT.	22+75	INLET, TY-B, W/TY-1 F&O.L.	-	465.50
114	14.5' RT.	22+75	INLET, TY-A, W/TY-23 F&G	466.16	463.02
115	14.5' LT.	22+75	INLET, TY-A, W/TY-23 F&G	466.16	463.02
116	22.5' LT.	22+75	R.C. PIPE TEE, 12" P. 12" R.	-	462.96
117	22.5' LT.	23+00	INLET, TY-A, W/TY-23 F&G	465.00	462.75
118	21' RT.	23+17	INLET, TY-A, W/TY-23 F&G	465.30	462.60
119	21' RT.	23+68	M.H., TY-A, 4' DIA., W/TY-1 F&O.L.	465.00	462.18
120	14.5' RT.	23+68	INLET, TY-A, W/TY-23 F&G	465.25	462.24
121	14.5' LT.	23+68	INLET, TY-A, W/TY-23 F&G	465.25	462.24
122	22.5' LT.	23+68	M.H., TY-A, 4' DIA., W/TY-1 F&O.L.	465.50	462.18
123	21' RT.	24+55	R.C. PIPE TEE, 15" P. 12" R.	-	461.45
124	14.5' RT.	24+55	INLET, TY-A, W/TY-23 F&G	464.83	461.64
125	14.5' LT.	24+55	INLET, TY-A, W/TY-23 F&G	464.83	461.64
126	22.5' LT.	24+55	R.C. PIPE TEE, 15" P. 12" R.	-	461.45
127	21' RT.	25+35	R.C. PIPE TEE, 15" P. 12" R.	-	460.78
128	14.5' RT.	25+35	INLET, TY-A, W/TY-11 F&G	464.73	460.97
129	14.5' LT.	25+35	INLET, TY-A, W/TY-11 F&G	464.73	460.97
130	22.5' LT.	25+35	R.C. PIPE TEE, 15" P. 12" R.	-	460.78
131	21' RT.	25+43	ST. SEW. CONN. TO BOX CULVERT	-	460.70
132	14.5' RT.	25+41	INLET, TY-A, W/TY-11 F&G	464.74	461.03
133	14.5' LT.	25+41	INLET, TY-A, W/TY-11 F&G	464.74	461.03
134	22.5' LT.	25+43	ST. SEW. CONN. TO BOX CULVERT	-	460.70
135	22.5' RT.	25+47	ST. SEW. CONN. TO BOX CULVERT	-	460.70
136	22.5' LT.	25+47	ST. SEW. CONN. TO BOX CULVERT	-	460.70
137	21.5' RT.	26+28	R.C. PIPE TEE, 24" P. 12" R.	-	461.73
138	14.5' RT.	26+28	INLET, TY-A, W/TY-23 F&G	465.02	462.29
139	14.5' LT.	26+28	INLET, TY-A, W/TY-23 F&G	465.02	462.04
140	22.5' LT.	26+28	R.C. PIPE TEE, 12" P. 12" R.	-	461.98
141	22.5' LT.	27+08	INLET, TY-B, W/TY-8 GR	464.90	463.17
142	14.5' LT.	27+08	INLET, TY-A, W/TY-23 F&G	465.70	463.23
143	14.5' RT.	27+12	INLET, TY-A, W/TY-23 F&G	465.70	463.29
144	22' RT.	27+12	R.C. PIPE TEE, 24" P. 12" R.	-	462.73
145	22' RT.	27+22	INLETS, SPECIAL, NO. 1	465.40	462.86
146	22.5' LT.	27+75	INLET, TY-B, W/TY-8 GR	466.50	464.17
147	14.5' LT.	27+75	INLET, TY-A, W/TY-23 F&G	466.67	464.17
148	22.5' RT.	28+00	M.H., TY-A, 5' DIA., W/SPL F&G	466.70	463.80
149	14.5' RT.	28+00	INLET, TY-A, W/TY-23 F&G	467.18	463.86
150	22.5' RT.	28+48	R.C. PIPE TEE, 21" P. 12" R.	-	464.60
151	14.5' RT.	28+48	INLET, TY-A, W/TY-23 F&G	468.19	465.04
152	22.5' RT.	28+56	INLET, TY-B, W/TY-8 GR	467.50	464.74
153	14.5' LT.	28+56	INLET, TY-A, W/TY-23 F&G	468.36	465.46
154	22.5' LT.	28+56	M.H., TY-A, 4' DIA., W/TY-1 F&O.L.	468.00	465.40
155	22.5' RT.	28+97	M.H., TY-A, 4' DIA., W/TY-1 F&O.L.	468.50	465.42
156	22.5' LT.	28+97	INLET, TY-A, W/TY-8 GR	468.40	466.02
157	22.5' LT.	29+73	INLET, TY-A, W/TY-8 GR	469.80	467.16
158	14.5' LT.	29+73	INLET, TY-A, W/TY-23 F&G	470.72	467.22
159	14.5' RT.	29+80	INLET, TY-A, W/TY-23 F&G	470.84	467.24
160	22.5' RT.	29+80	R.C. PIPE TEE, 21" P. 12" R.	-	466.81
161	22.5' RT.	29+88			

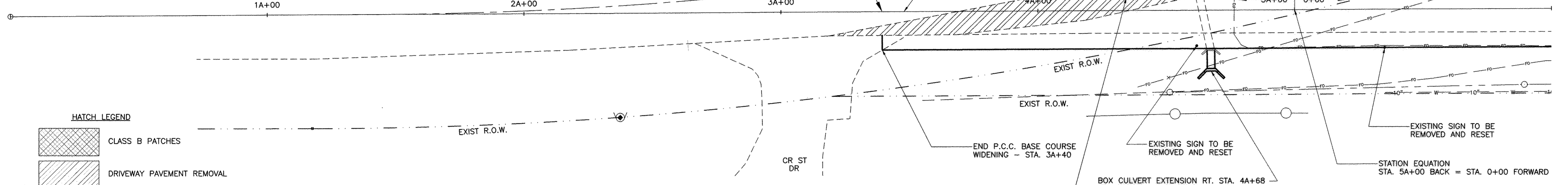
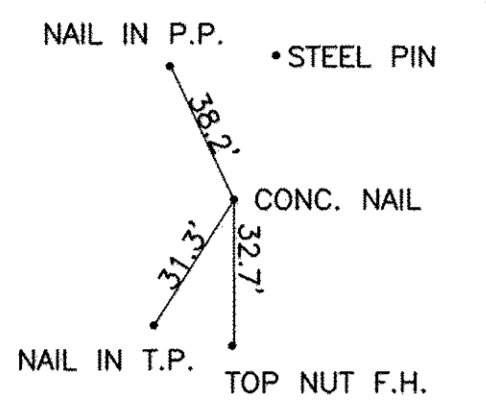


ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	6
CONTRACT NO. 95803		ILLINOIS		

SECTION 14-00082-00-WR BEGINS STA. 3+40.00



TIES P.O.T. STA. 1+27.14



**HATCH LEGEND**

	CLASS B PATCHES
	DRIVEWAY PAVEMENT REMOVAL
	TREE REMOVAL
	H.M.A. SURFACE REMOVAL - BUTT JOINT

B.M. RT. STA. 2+30  
ARROW ON F.H.  
ELEV. 461.00

**NOTES**

1. ALL MATERIAL EXCAVATED BETWEEN STA. 3A+40 AND 4+00 SHALL REMAIN ON THE PROJECT SITE, AND BE INCORPORATED INTO THE EMBANKMENT IN THE SAME AREA FROM WHERE IT WAS EXCAVATED.

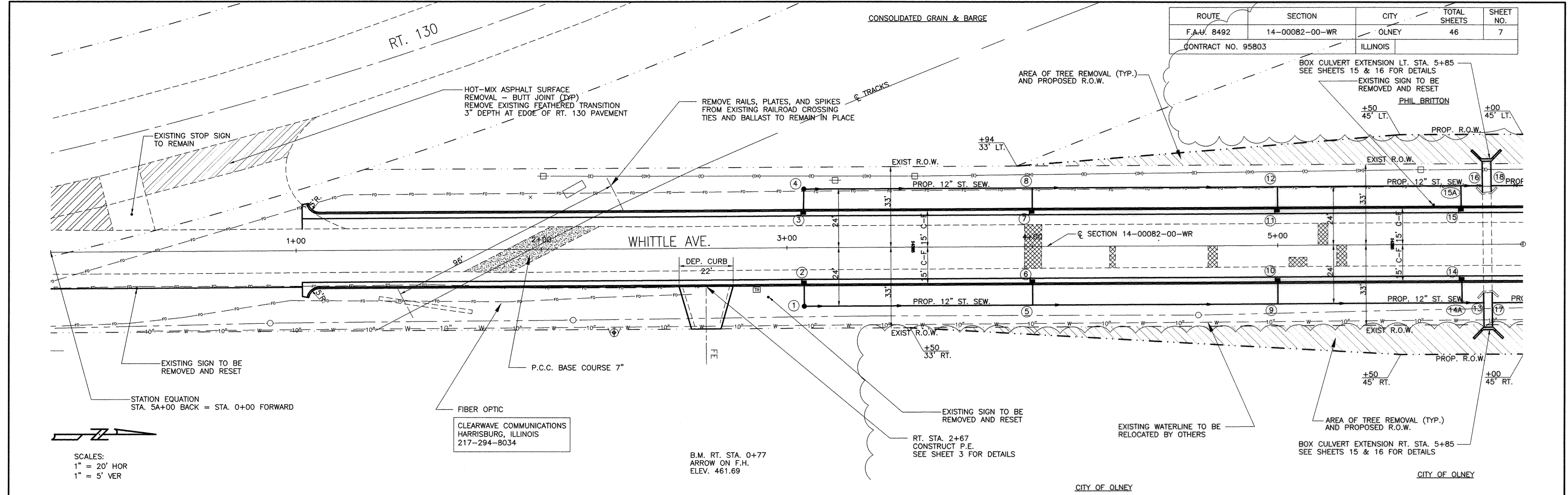
HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT (TYP) REMOVE EXISTING FEATHERED TRANSITION 3" DEPTH AT EDGE OF RT. 130 PAVEMENT

BOX CULVERT EXTENSION RT. STA. 4A+68 SEE SHEETS 15 & 16 FOR DETAILS

475				H.M.A. SURFACE COURSE MIX "C", N70	TON	135	TEMPORARY RAMP	SQ.YD.	364													475											
470				THERMOPLASTIC PAV'T. MARKING LINE 4"	FOOT	40	LEVELING BINDER (MACHINE METHOD), N70	TON	50			VPI STA = 4A+00.00 VPI EL = 457.94 CURVE LEN = 100.00			VPI STA = 0+25.00 VPI EL = 458.86 CURVE LEN = 100.00								470										
465				H.M.A. BINDER COURSE IL-19.0, N70	TON	135						VPC STA=3A+50.00 VPC EL=458.28			VPT STA=4A+50.00 VPC EL=458.31								465										
460												-0.68%			0.74%								460										
455																							455										
450				H.M.A. SURFACE REMOVAL - BUTT JOINT	SQ.YD.	260	BITUMINOUS MATERIALS (TACK COAT)	POUND	650	SEEDING CLASS 1 (SPL.)	ACRE	0.08											450										
445				AGG. BASE. CSE., TY.-B	TON	30	P.C.C. BASE COURSE WIDENING 7"	SQ.YD.	110	REM. & RESET STREET SIGNS	EACH	1											445										
440																							440										
435																							435										
430																							430										
	0A+00			1A+00		458.5		2A+00		458.4		458.4		3A+00		458.4		4A+00		458.3		457.8		458.1		5A+00	0+00		459.1		1+00		460.1



ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.W. 8492	14-00082-00-WR	OLNEY	46	7
CONTRACT NO. 95803		ILLINOIS		

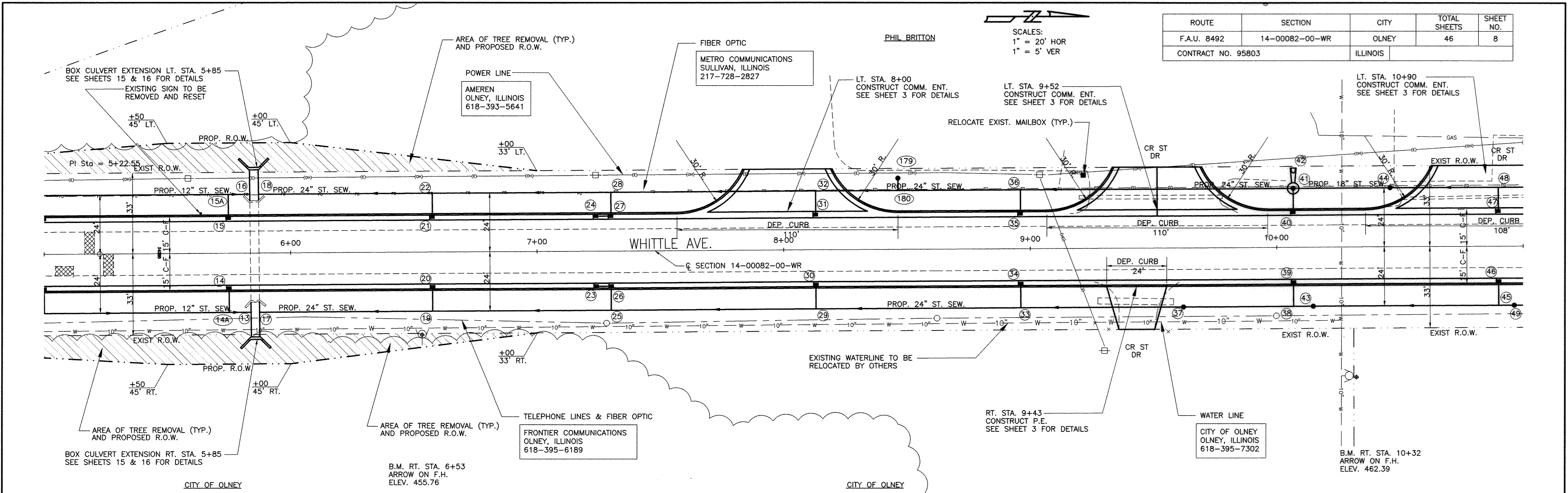


SCALES:  
 1" = 20' HOR  
 1" = 5' VER

475	H.M.A. SURFACE COURSE MIX "C", N70	TON	200	TREE REMOVAL, ACRES	ACRE	0.025	H.M.A. BINDER IL-19.0, N70	TON	200	P.C.C. DRIVEWAY PAVEMENT, 6 INCH	SQ. YD.	33	475													
470	THERMOPLASTIC PAV'T. MARKING LINE 4"	FOOT	125	LEVELING BINDER (MACHINE METHOD), N70	TON	95	RAILROAD CROSSING REMOVAL	EACH					470													
465	VPI STA = 0+25.00 VPI EL = 458.86 CURVE LEN = 100.00			VPI STA = 1+50.00 VPI EL = 461.50 CURVE LEN = 100.00			VPI STA = 2+50.00 VPI EL = 459.92 CURVE LEN = 100.00			VPI STA = 3+25.00 VPI EL = 459.92 CURVE LEN = 100.00			465													
460	VPC STA = 0+00.00 VPC EL = 458.67			VPC STA = 2+00.00 VPC EL = 460.71			VPC STA = 3+00.00 VPC EL = 460.00			VPC STA = 4+00.00 VPC EL = 459.43			460													
	2.11%			-1.58%			-0.01%			-0.81%			460													
455	CLASS B PATCHES, TYPE II, 7 INCH	SQ. YD.	14	BITUMINOUS MATERIALS (TACK COAT)	POUND	1400	H.M.A. SURFACE REMOVAL, 2"	SQ. YD.	1202	H.M.A. SURFACE REMOVAL - BUTT JOINT	SQ. YD.	93	455													
450	CLASS B PATCHES, TYPE I, 7 INCH	SQ. YD.	3	REM. & RESET STREET SIGNS	EACH	2	P.C.C. BASE COURSE 7"	SQ. YD.	41	P.C.C. BASE COURSE WIDENING 7"	SQ. YD.	470	450													
445	AGG. BASE. CSE., TY.-B	TON	175	SEEDING CLASS 1 (SPL.)	ACRE	0.36	TEMPORARY RAMP	SQ. YD.	182				445													
440													440													
435													435													
430													430													
	458.4		1+00	460.1		460.8	2+00	460.5		459.9		459.8	3+00		459.6		459.2		458.8		458.4	5+00	458.0		457.6	6+00



ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	8
CONTRACT NO. 95803		ILLINOIS		

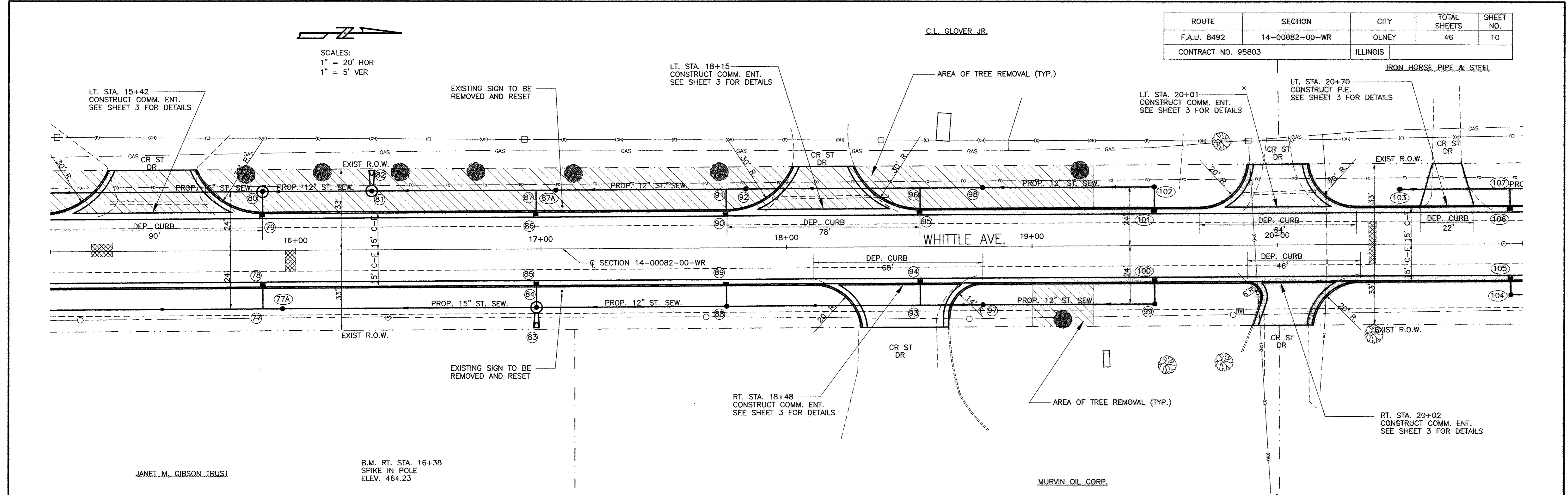


475	TREE REMOVAL, ACRES	ACRE	BITUMINOUS MATERIALS (TACK COAT)	POUND	RELOCATE EXISTING MAILBOX	EACH	THERMOPLASTIC PAV'T. MARKING LINE 4"	FOOT	P.C.C. DRIVEWAY PAVEMENT, 6 INCH	SQ. YD.	475			
	STA. 5+00 TO 10+00	0.09	STA. 5+00 TO 10+00	1300	STA. 5+00 TO 10+00	1	STA. 5+00 TO 10+00	125	RT. STA. 9+43	38				
470	LEVELING BINDER (MACHINE METHOD), N70	TON	H.M.A. SURFACE COURSE MIX "C", N70	TON			PIPE DRAINS 4"	FOOT	P.C.C. DRIVEWAY PAVEMENT, 7 INCH	SQ. YD.	470			
	STA. 5+00 TO 10+00	90	STA. 5+00 TO 10+00	170			LT. STA. 8+38 LT. STA. 9+13	6 6 TOTAL 12 FT	LT. STA. 8+00 LT. STA. 9+52	84 84 TOTAL 168				
465									CONCRETE HEADWALL REMOVAL	EACH	465			
									LT. & RT. STA. 5+85	2				
460											460			
455											455			
450											450			
445			P.C.C. BASE COURSE WIDENING 7"	SQ.YD.	H.M.A. BINDER COURSE IL-19.0, N70	TON	AGG. BASE. CSE., TY.-B	TON			445			
			STA. 5+00 TO 10+00	460	STA. 5+00 TO 10+00	170	STA. 5+00 TO 10+00	175		STA. 5+09 STA. 5+18 STA. 5+26	TOTAL 11 SQ YD			
440	PIPE CULVERT REMOVAL	FOOT	TR. B'FILL CU.YD.		COMB. CONC. CURB & GUTTER, TYPE B-6.24	FOOT	H.M.A. SURFACE REMOVAL, 2"	SQ.YD.	SEEDING CLASS 1 (SPL.)	ACRE	REM. & RESET STREET SIGNS	EACH	440	
	RT. STA. 9+43 LT. STA. 9+52	31 58 TOTAL 89 FT	3.4 6.4 TOTAL 9.8 C.Y.		STA. 5+00 TO 10+00 LT. STA. 8+00 LT. STA. 9+52	1000 58 58 TOTAL 1116 FOOT	STA. 5+00 TO 10+00	1000	STA. 5+00 TO 10+00	0.50	STA. 5+00 TO 10+00	1		
435												435		
430												430		
	5+00	458.4 458.63	6+00	457.6 457.88	7+00	457.4 457.64	8+00	457.5 457.64	9+00	457.6 457.86	10+00	458.5 458.72	11+00	459.1 459.29





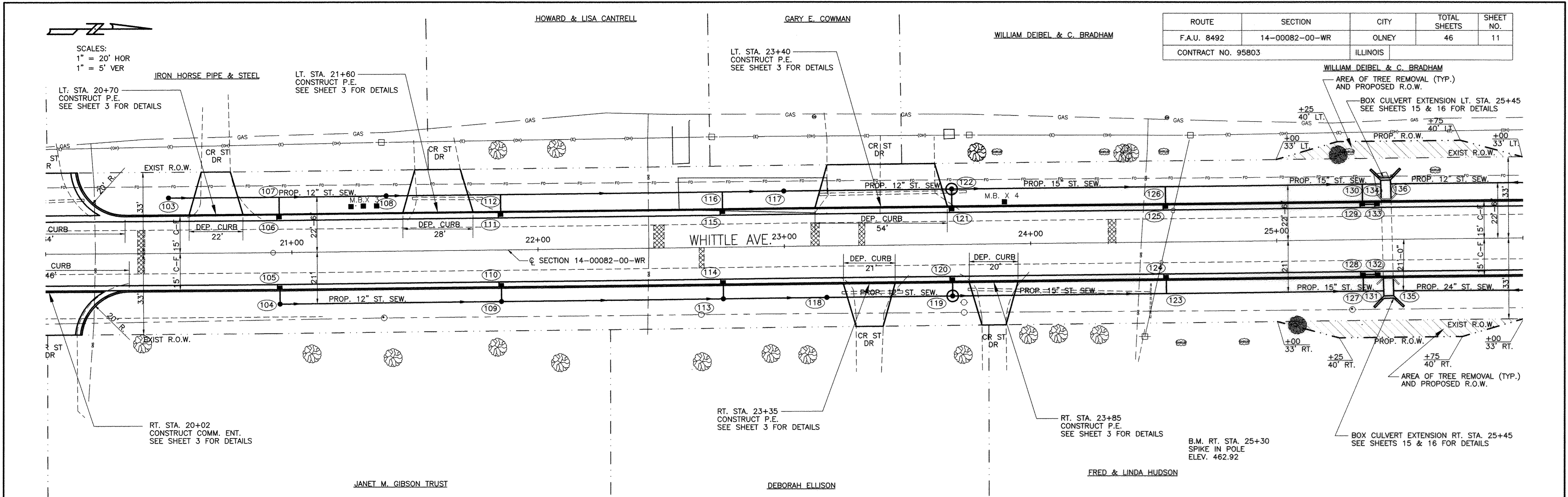
ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	10
CONTRACT NO. 95803		ILLINOIS		



485	LEVELING BINDER (MACHINE METHOD), N70	TON	BITUMINOUS MATERIALS (TACK COAT)	POUND	CLASS B PATCHES, TYPE II, 7 INCH	SQ. YD.	P.C.C. DRIVEWAY PAVEMENT, 7 INCH	SQ. YD.	485
	STA. 15+00 TO 20+00	90	STA. 15+00 TO 20+00	1300	STA. 13+60 TO 14+66	5 9 TOTAL 14 SQ YD	LT. STA. 15+42 LT. STA. 18+15 LT. STA. 18+48	84 63 59 TOTAL 206 SQ YD	
480	H.M.A. SURFACE COURSE MIX "C" N70	TON	P.C.C. BASE COURSE WIDENING 7"	SQ.YD.					480
	STA. 15+00 TO 20+00	170	STA. 15+00 TO 20+00	460					
475	THERMOPLASTIC PAV'T. MARKING LINE 4"	FOOT	COMB. CONC. CURB & GUTTER, TYPE B-6.24	FOOT		VPI STA = 18+50.00 VPI EL = 465.54 CURVE LEN = 100.00	VPI STA = 20+50.00 VPI EL = 468.80 CURVE LEN = 300.00		475
	STA. 15+00 TO 20+00	125	STA. 15+00 TO 20+00 LT. STA. 15+42 LT. STA. 18+15 RT. STA. 18+48	1000 58 58 90 TOTAL 1166 FOOT					
470	TREE REMOVAL, ACRES	ACRE				VPC STA = 18+00.00 VPC EL = 465.01	VPT STA = 19+00.00 VPT EL = 466.36		470
	LT. STA. 15+50 TO 19+25 RT. STA. 19+00 TO 19+25	0.17 0.01 TOTAL 0.18 ACRE							
465			EXIST. & PROFILE						465
460			PROP. 15" ST. SEWER						460
455	PIPE CULVERT REMOVAL	FOOT	TR. B'FILL CU.YD.	TON	REMO. & RESET STREET SIGNS	EACH	H.M.A. BINDER COURSE IL-19.0, N70	TON	455
	LT. STA. 15+42 LT. STA. 18+15	40 48 TOTAL 88 FT	STA. 15+00 TO 20+00	175	STA. 15+00 TO 20+00	2	STA. 15+00 TO 20+00	170	
450			SEEDING CLASS 1 (SPL.)	ACRE	H.M.A. SURFACE REMOVAL, 2"	SQ.YD.			450
			STA. 15+00 TO 20+00	0.40	STA. 15+00 TO 20+00	1000			
445	PIPE DRAINS 8"	FOOT							445
	LT. STA. 19+60	12							
440									440
	461.6 461.84 462.0 462.34 462.5 462.88 463.1 463.41 463.7 463.94 464.3 464.48 464.9 465.01 465.5 465.61 466.1 466.36 466.7 467.06 467.0 467.54 467.4 467.84	16+00	17+00	18+00	19+00	20+00	21+00		



ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	11
CONTRACT NO. 95803		ILLINOIS		



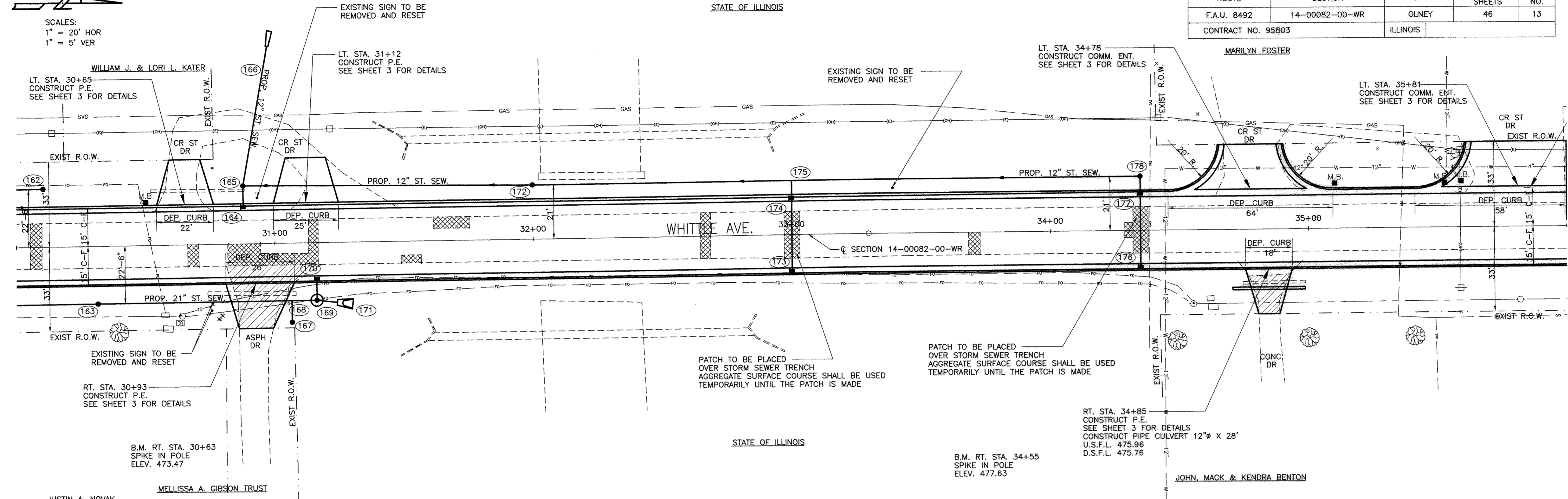
485	PIPE CULVERT REMOVAL	FOOT	TR. B'FILL CU.YD.	F.C.C. DRIVEWAY PAVEMENT, 6 INCH	SQ. YD.	COMB. CONC. CURB & GUTTER, TYPE B-6.24	FOOT	P.C.C. DRIVEWAY PAVEMENT, 7 INCH	SQ. YD.	485		
480	LT. STA. 20+01 LT. STA. 21+60 RT. STA. 23+35 LT. STA. 23+40 RT. STA. 23+85	40 48 48 48 48	4.4 5.3 5.3 5.3 5.3	LT. STA. 20+70 LT. STA. 21+60 RT. STA. 23+35 LT. STA. 23+40 RT. STA. 23+85	33 46 31 94 29	STA. 20+00 TO 25+00 LT. STA. 20+01 RT. STA. 20+02	1000 90 90 TOTAL 1100 FOOT	LT. STA. 20+01 RT. STA. 20+02	53 41 TOTAL 94 SQ YD	480		
475	VP STA = 20+50.00 VP EL = 468.80 CURVE LEN = 300.00			VPT STA = 22+00.00 VPT EL = 467.25		VPI STA = 24+00.00 VPI EL = 465.31 CURVE LEN = 100.00		VPI STA = 25+50.00 VPI EL = 464.86 CURVE LEN = 200.00		475		
470	1.63%			-1.03%		-0.78%		-0.80%		470		
465	PROP. 12" ST. SEWER			PROP. 15" ST. SEWER			PROP. 15" ST. SEWER			465		
460	LEVELING BINDER (MACHINE METHOD), N70	TON	BITUMINOUS MATERIALS (TACK COAT)	POUND						460		
455	H.M.A. SURFACE COURSE MIX "C", N70	TON	CONCRETE HEADWALL REMOVAL	EACH	CLASS B PATCHES, TYPE II, 7 INCH	SQ. YD.	AGG. BASE. CSE., TY.-B	TON	H.M.A. BINDER COURSE 11-19.0, N70	TON	455	
450	THERMOPLASTIC PAV'T. MARKING LINE 4"	FOOT	P.C.C. BASE COURSE WIDENING 7"	SQ.YD.	CLASS B PATCHES, TYPE I, 7 INCH	SQ. YD.	SEEDING CLASS 1 (SPL.)	ACRE	RELOCATE EXISTING MAILBOX	EACH	450	
445										445		
440	467.0 467.54	467.4 467.80	467.4 467.84	467.3 467.86	467.0 467.25	466.5 466.73	465.9 466.22	465.5 465.70	465.2 465.37	464.9 465.08	465.0 465.21	440







SCALES:  
 1" = 20' HOR  
 1" = 5' VER



ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	13
CONTRACT NO. 95803		ILLINOIS		

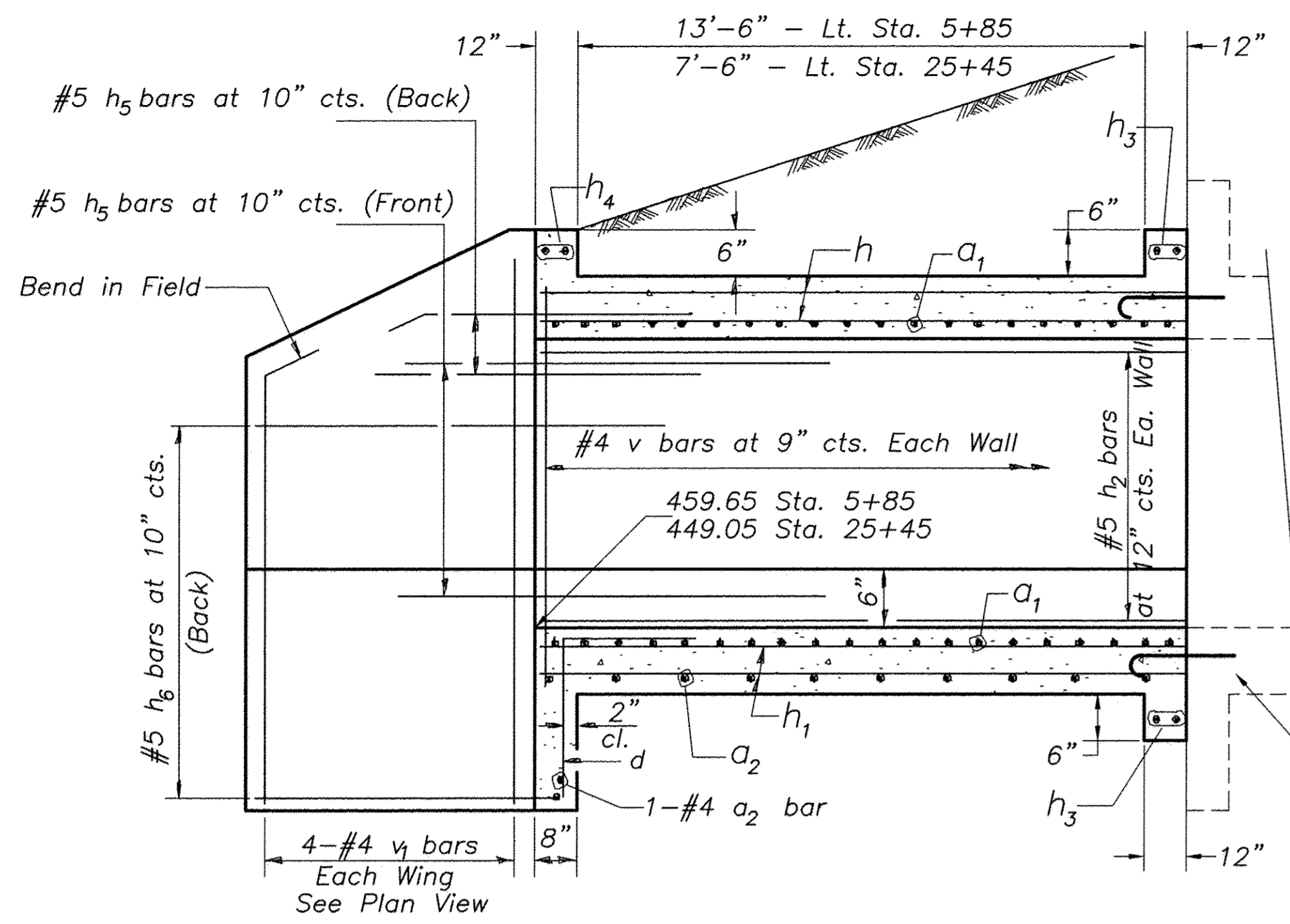
495	LEVELING BINDER (MACHINE METHOD), N70	TON		P.C.C. DRIVEWAY PAVEMENT, 7 INCH	SQ. YD.	RELOCATE EXISTING MAILBOX	EACH	H.M.A. SURFACE REMOVAL, 2"	SQ.YD.	495
	STA. 30+00 TO 35+00	90		LT. STA. 34+78	53	STA. 30+00 TO 35+00	1	STA. 30+00 TO 35+00	1000	
490	H.M.A. SURFACE COURSE MIX "C", N70	TON		REM. & RESET STREET SIGNS	EACH			VPI STA = 34+25.00 VPI EL = 476.45 CURVE LEN = 150.00	VPI STA = 35+75.00 VPI EL = 478.79 CURVE LEN = 150.00	490
	STA. 30+00 TO 35+00	170		STA. 30+00 TO 35+00	4					
485	THERMOPLASTIC PAV'T. MARKING LINE 4"	FOOT		AGG. BASE. CSE., TY.-B	TON	H.M.A. BINDER COURSE IL-19.0, N70	TON			485
	STA. 30+00 TO 35+00	125		STA. 30+00 TO 35+00	175	STA. 30+00 TO 35+00	170			
480	PIPE CULVERT REMOVAL	FOOT	TR. B'FILL CU.YD.	SEEDING CLASS 1 (SPL.)	ACRE					480
	LT. STA. 30+85 RT. STA. 30+93 LT. STA. 34+85	37 34 24	4.1 3.8 2.7	STA. 30+00 TO 35+00	0.40					
	TOTAL 95 FT TOTAL 10.6 C.Y.									
475										475
470										470
465	BITUMINOUS MATERIALS (TACK COAT)	POUND		COMB. CONC. CURB & GUTTER, TYPE B-6.24	FOOT	CLASS B PATCHES, TYPE II, 7 INCH	SQ. YD.	P.C.C. DRIVEWAY PAVEMENT, 6 INCH	SQ. YD.	465
	STA. 30+00 TO 35+00	1300		STA. 30+00 TO 35+00 LT. STA. 34+78	1000 50	STA. 30+08 STA. 31+68 STA. 32+66 STA. 33+00 STA. 34+33	9 7 8 13 14	LT. STA. 30+65 RT. STA. 30+93 LT. STA. 31+12 RT. STA. 34+85	33 39 40 26	
				TOTAL 1050 FOOT		TOTAL 51 SQ YD		TOTAL 138 SQ YD		
460	PIPE CULVERTS, CLASS A, TYPE 1 12" FOOT	FOOT		CLASS B PATCHES, TYPE IV, 7 INCH	SQ. YD.	CLASS B PATCHES, TYPE I, 7 INCH	SQ. YD.	DRIVEWAY PAVEMENT REMOVAL	SQ. YD.	460
	RT. STA. 34+85	28		STA. 31+00	20	STA. 30+67 STA. 31+53 STA. 33+70	4 3 4	RT. STA. 30+93 RT. STA. 34+85	58 18	
						TOTAL 11 SQ YD		TOTAL 76 SQ YD		
455	P.C.C. BASE COURSE WIDENING 7"	SQ.YD.								455
	STA. 30+00 TO 35+00	460								
450										450
	471.2 471.49									
	472.0 472.24									
	472.6 472.86									
	473.2 473.41									
	473.7 473.96									
	474.3 474.51									
	474.8 475.07									
	475.4 475.62									
	476.0 476.21									
	476.6 476.88									
	477.4 477.62									
	477.9 478.21									
	478.3 478.44									
	30+00	31+00	32+00	33+00	34+00	35+00	36+00			



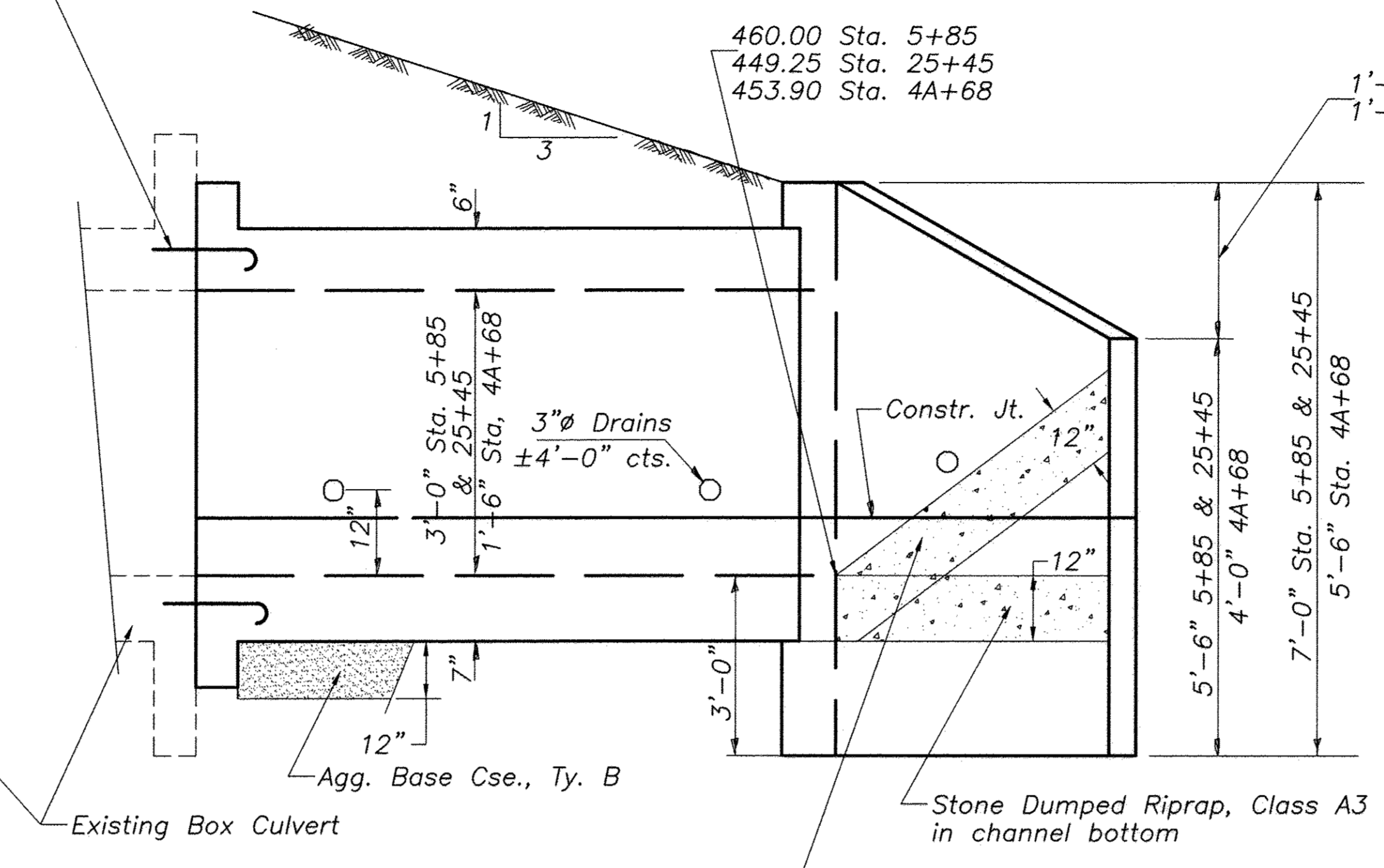


ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	15
CONTRACT NO. 95803		ILLINOIS		

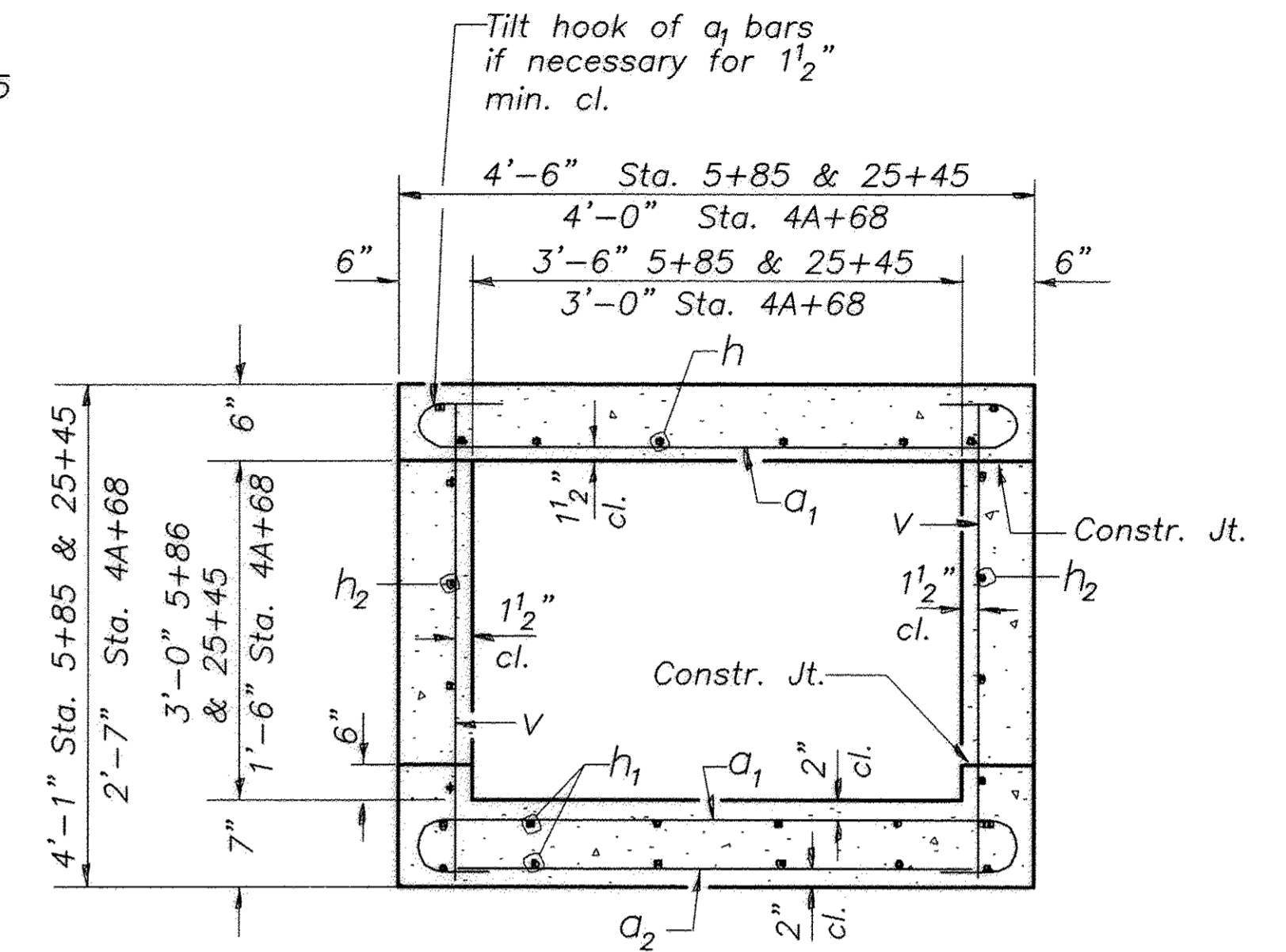
Expansion bolts shall be 3/4"  $\phi$  hooked bolts.  
Hooked bolts shall extend a minimum of 9" into new concrete.  
See sheet 16 for details



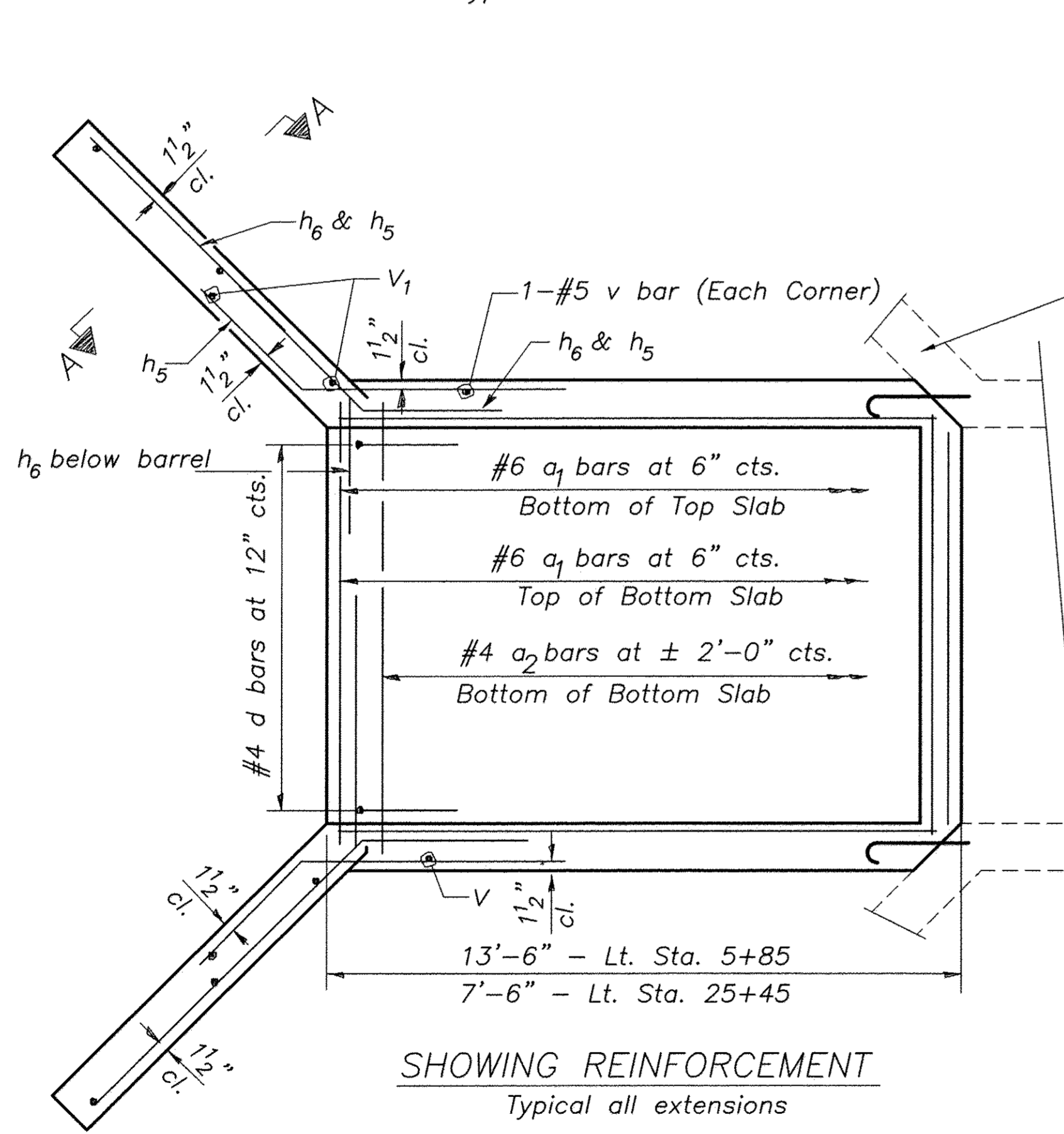
**HALF LONG SECTION**  
Typical all extensions



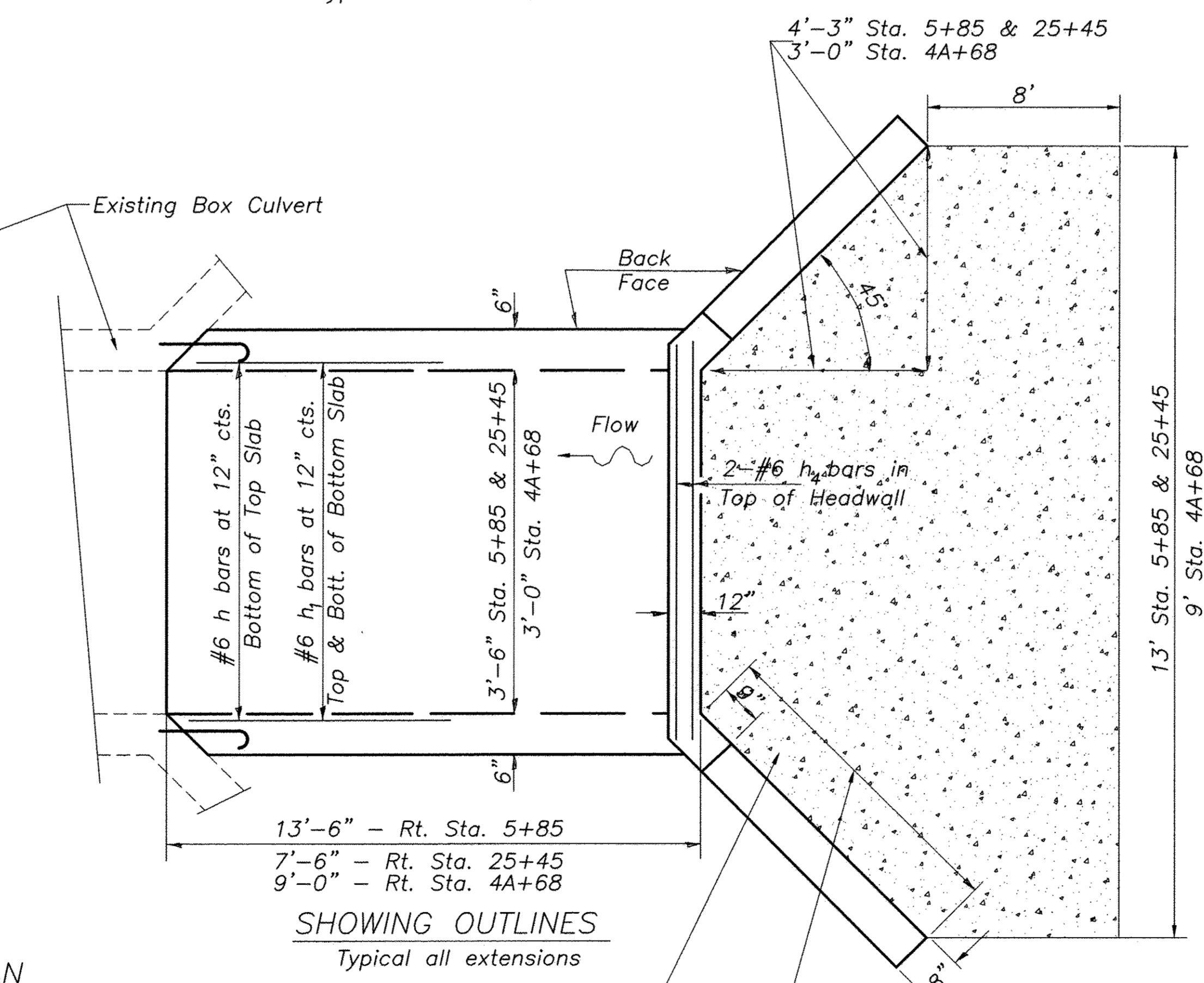
**HALF ELEVATION**  
Typical all extensions



**SECTION THRU BARREL**  
Typical all extensions

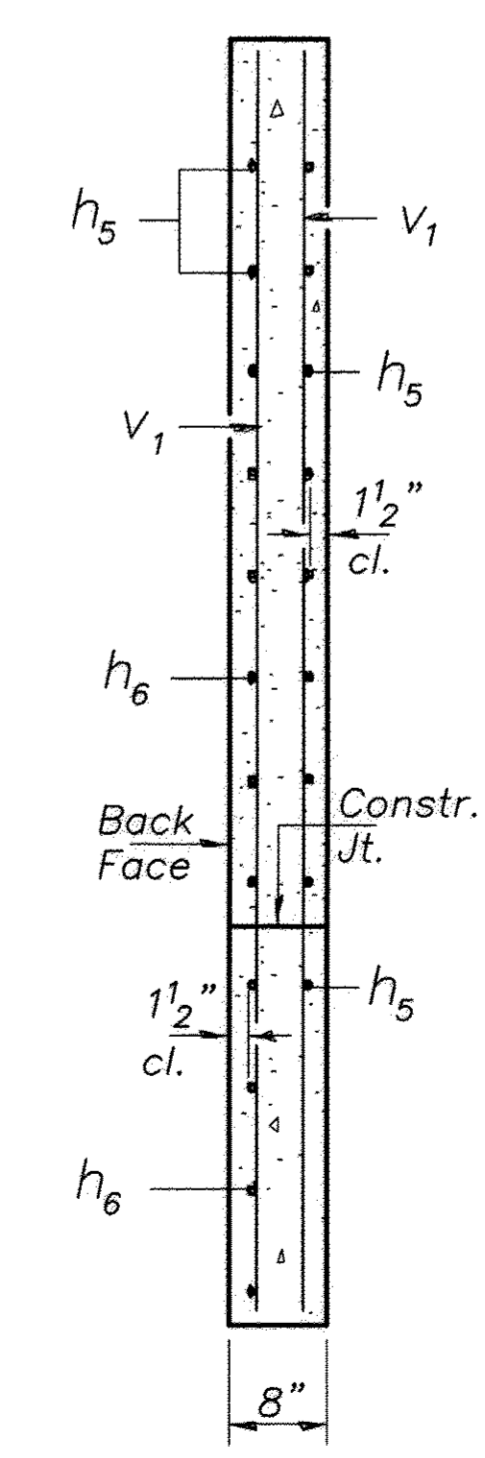
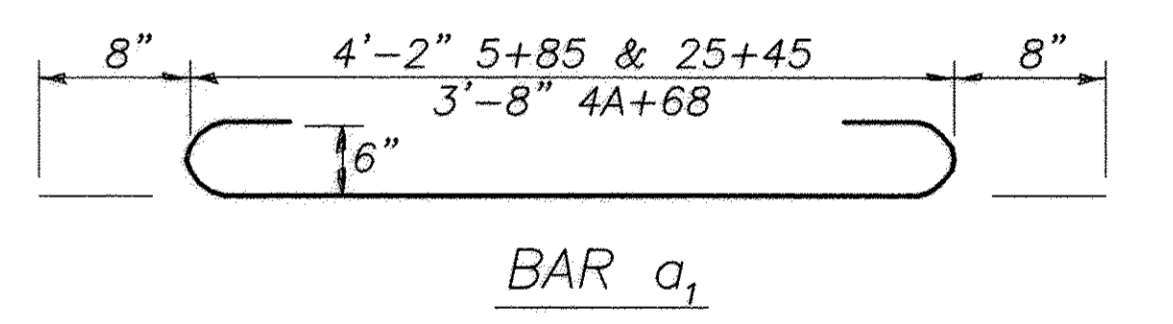
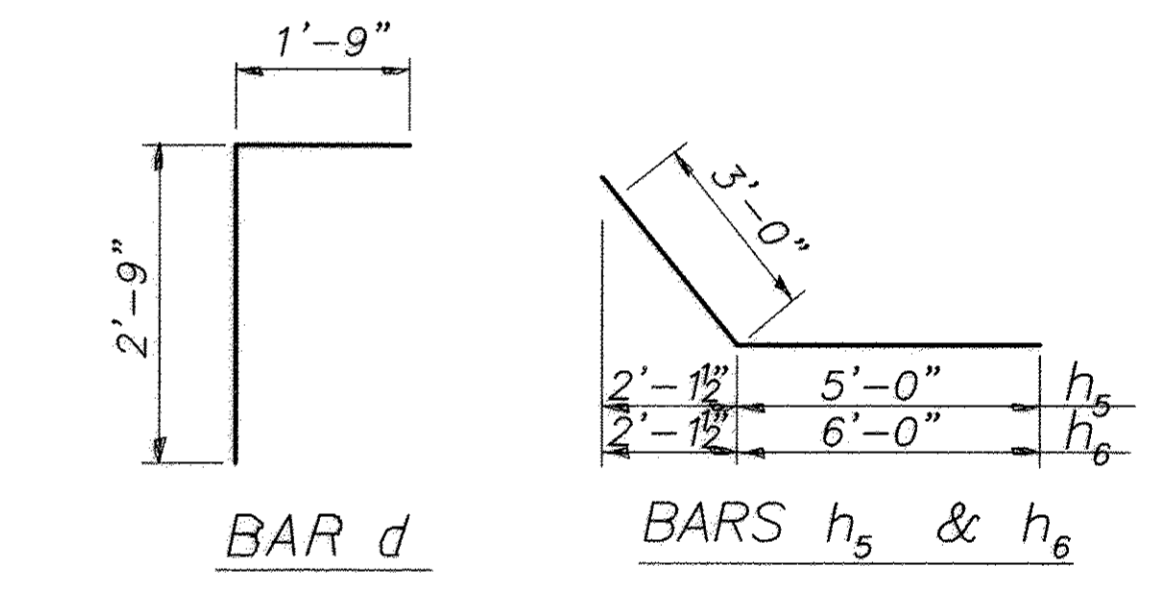


**SHOWING REINFORCEMENT**  
Typical all extensions

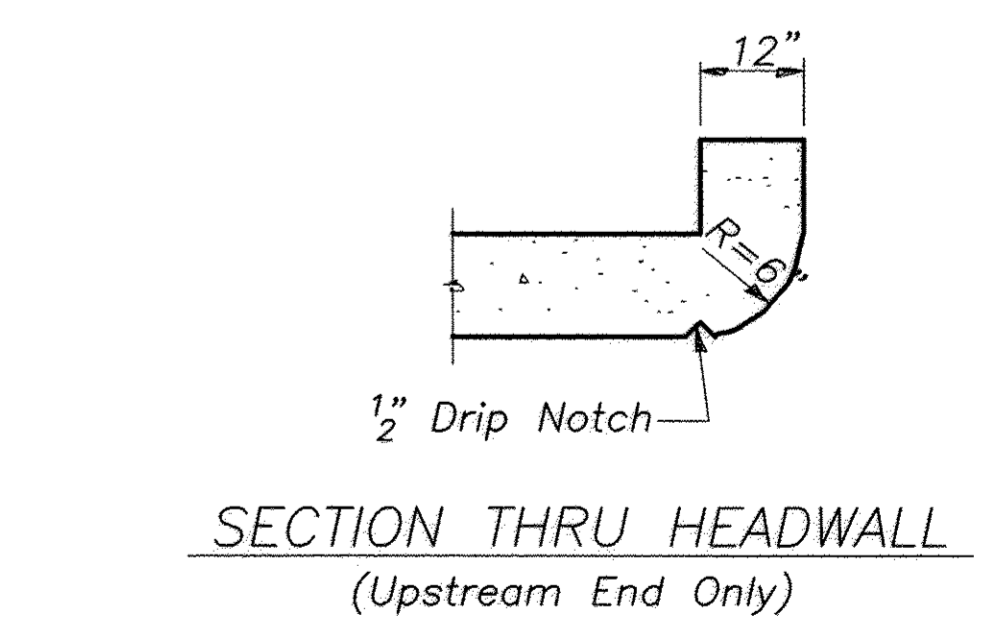


**SHOWING OUTLINES**  
Typical all extensions

**DESIGN STRESSES**  
 $f_y = 60,000$  psi  
 $f'_c = 3,500$  psi  
**LOADING HL-93**



**SECTION A-A**  
Typical all extensions



**SECTION THRU HEADWALL**  
(Upstream End Only)

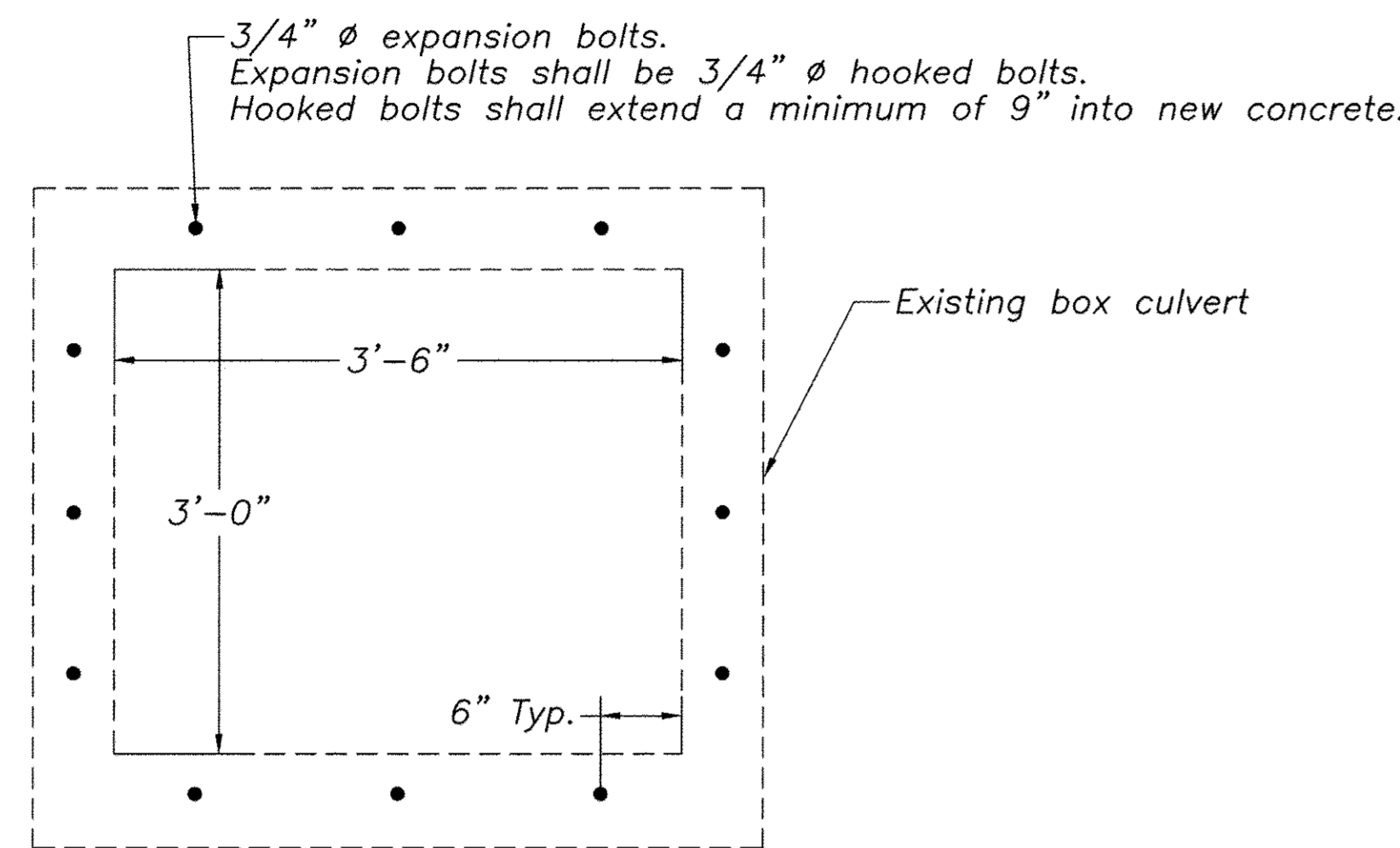
**PLAN**

**NOTES**

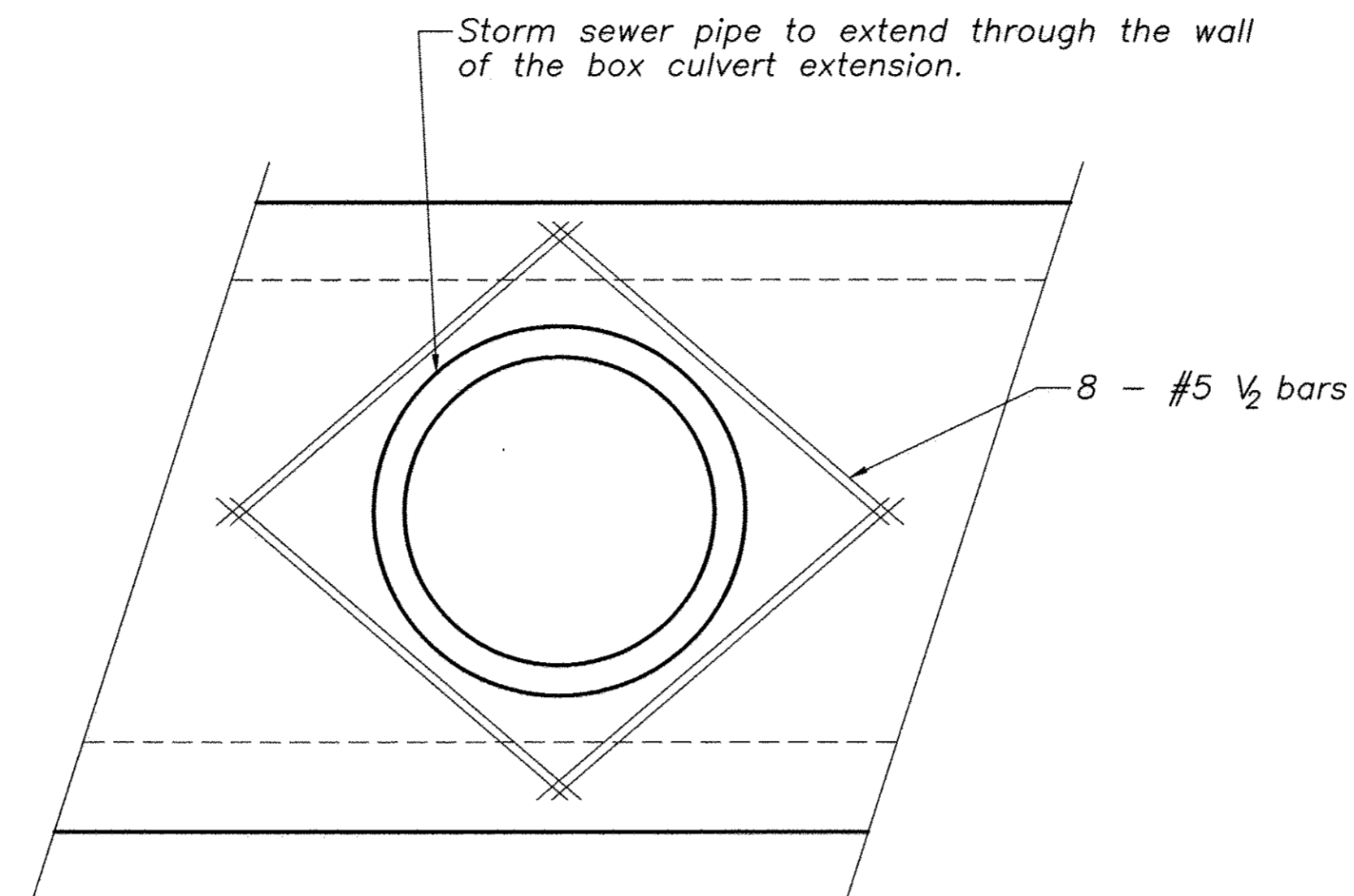
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.  
Reinforcement Bars shall conform to the requirements of AASHTO M-31, M-42 or M-53, Grade 60.  
Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.  
All construction joints shall be bonded.  
See sheet 16 for bill of material

**F.A.U. 8492**  
**SEC. 14-00082-00-WR**  
**CITY OF OLNEY**  
**BOX CULVERT EXTENSIONS**

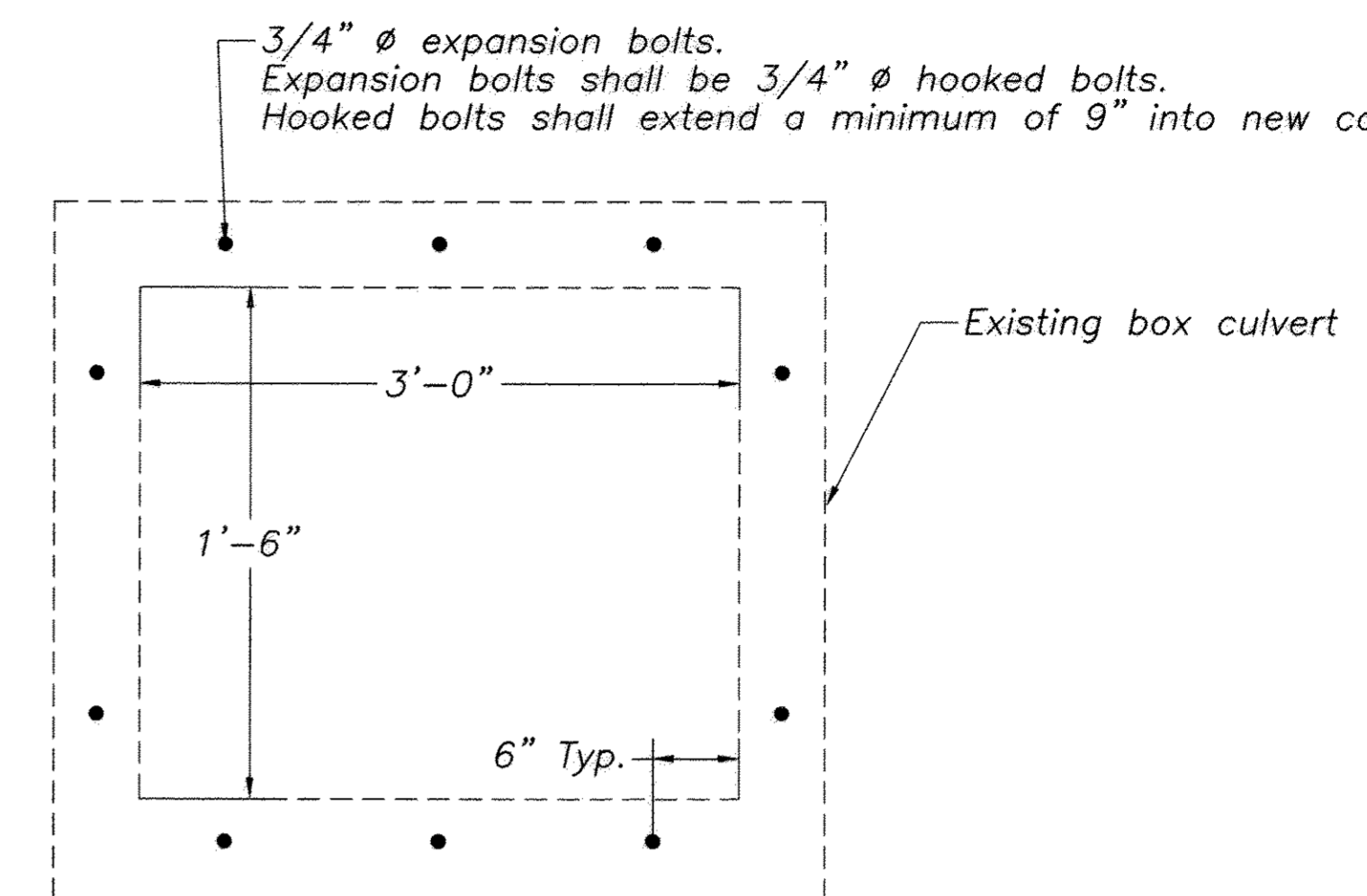
ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	16
CONTRACT NO. 95803		ILLINOIS		



CULVERT EXTENSION CONNECTION DETAIL  
Sta. 5+85 & 25+45



STORM SEWER CONNECTION DETAIL  
Sta. 5+85 & 25+45



CULVERT EXTENSION CONNECTION DETAIL  
Rt. Sta. 4a+68

BILL OF MATERIAL  
RT. STA. 5+85

Bar	No.	Size	Length	Shape
a <sub>1</sub>	54	#6	5'-6"	┌──┐
a <sub>2</sub>	8	#4	4'-3"	──
d	5	#4	4'-6"	└─┘
h	7	#6	13'-3"	──
h <sub>1</sub>	10	#6	13'-3"	──
h <sub>2</sub>	6	#5	13'-3"	──
h <sub>3</sub>	4	#6	3'-6"	──
h <sub>4</sub>	4	#6	4'-3"	──
h <sub>5</sub>	12	#5	8'-0"	──
h <sub>6</sub>	14	#5	9'-0"	──
V	40	#5	3'-9"	──
V <sub>1</sub>	8	#4	6'-8"	──
V <sub>2</sub>	8	#5	3'-0"	──
Concrete Box Culv.	Cu. Yd.	6.3		
Reinforcement Bars	Pound	1,383		
Agg. Bse. Cse. B	Ton	10		
St. Dump Riprap A3	Ton	10		
Exp. Bolts 3/4"	Each	12		
Storm Sewer Conn.	Each	2		

BILL OF MATERIAL  
LT. STA. 5+85

Bar	No.	Size	Length	Shape
a <sub>1</sub>	54	#6	5'-6"	┌──┐
a <sub>2</sub>	8	#4	4'-3"	──
d	5	#4	4'-6"	└─┘
h	7	#6	13'-3"	──
h <sub>1</sub>	10	#6	13'-3"	──
h <sub>2</sub>	6	#5	13'-3"	──
h <sub>3</sub>	4	#6	3'-6"	──
h <sub>4</sub>	4	#6	4'-3"	──
h <sub>5</sub>	12	#5	8'-0"	──
h <sub>6</sub>	14	#5	9'-0"	──
V	40	#5	3'-9"	──
V <sub>1</sub>	8	#4	6'-8"	──
V <sub>2</sub>	8	#5	3'-0"	──
Concrete Box Culv.	Cu. Yd.	6.3		
Reinforcement Bars	Pound	1,383		
Agg. Bse. Cse. B	Ton	10		
St. Dump Riprap A3	Ton	10		
Exp. Bolts 3/4"	Each	12		
Storm Sewer Conn.	Each	2		

BILL OF MATERIAL  
LT. STA. 25+45

Bar	No.	Size	Length	Shape
a <sub>1</sub>	30	#6	5'-6"	┌──┐
a <sub>2</sub>	5	#4	4'-3"	──
d	5	#4	4'-6"	└─┘
h	7	#6	7'-3"	──
h <sub>1</sub>	10	#6	7'-3"	──
h <sub>2</sub>	6	#5	7'-3"	──
h <sub>3</sub>	4	#6	3'-6"	──
h <sub>4</sub>	4	#6	4'-3"	──
h <sub>5</sub>	12	#5	8'-0"	──
h <sub>6</sub>	14	#5	9'-0"	──
V	24	#5	3'-9"	──
V <sub>1</sub>	8	#4	6'-8"	──
V <sub>2</sub>	8	#5	3'-0"	──
Concrete Box Culv.	Cu. Yd.	4.5		
Reinforcement Bars	Pound	925		
Agg. Bse. Cse. B	Ton	6		
St. Dump Riprap A3	Ton	10		
Exp. Bolts 3/4"	Each	12		
Storm Sewer Conn.	Each	2		

BILL OF MATERIAL  
RT. STA. 25+45

Bar	No.	Size	Length	Shape
a <sub>1</sub>	30	#6	5'-6"	┌──┐
a <sub>2</sub>	5	#4	4'-3"	──
d	5	#4	4'-6"	└─┘
h	7	#6	7'-3"	──
h <sub>1</sub>	10	#6	7'-3"	──
h <sub>2</sub>	6	#5	7'-3"	──
h <sub>3</sub>	4	#6	3'-6"	──
h <sub>4</sub>	4	#6	4'-3"	──
h <sub>5</sub>	12	#5	8'-0"	──
h <sub>6</sub>	14	#5	9'-0"	──
V	24	#5	3'-9"	──
V <sub>1</sub>	8	#4	6'-8"	──
V <sub>2</sub>	8	#5	3'-0"	──
Concrete Box Culv.	Cu. Yd.	4.5		
Reinforcement Bars	Pound	925		
Agg. Bse. Cse. B	Ton	6		
St. Dump Riprap A3	Ton	10		
Exp. Bolts 3/4"	Each	12		
Storm Sewer Conn.	Each	2		

BILL OF MATERIAL  
RT. STA. 4A+68

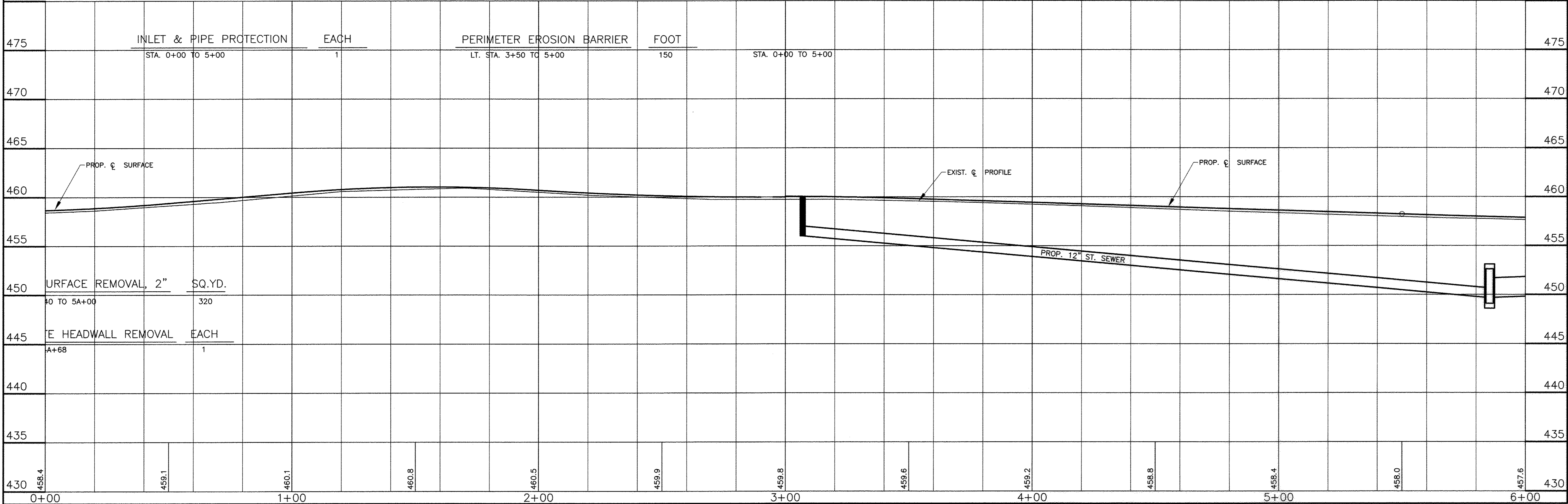
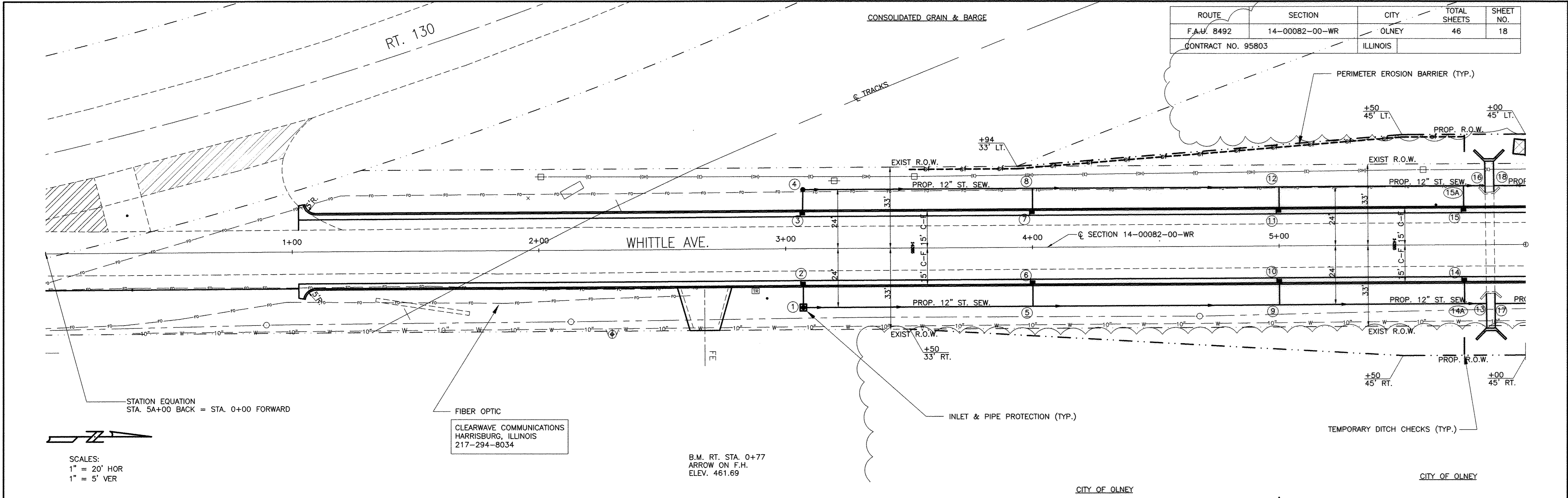
Bar	No.	Size	Length	Shape
a <sub>1</sub>	38	#6	5'-0"	┌──┐
a <sub>2</sub>	6	#4	3'-9"	──
d	5	#4	4'-6"	└─┘
h	7	#6	8'-9"	──
h <sub>1</sub>	10	#6	8'-9"	──
h <sub>2</sub>	6	#5	8'-9"	──
h <sub>3</sub>	4	#6	3'-0"	──
h <sub>4</sub>	4	#6	3'-9"	──
h <sub>5</sub>	12	#5	8'-0"	──
h <sub>6</sub>	10	#5	9'-0"	──
V	28	#5	2'-3"	──
V <sub>1</sub>	8	#4	5'-2"	──
Concrete Box Culv.	Cu. Yd.	3.2		
Reinforcement Bars	Pound	950		
Agg. Bse. Cse. B	Ton	8		
St. Dump Riprap A3	Ton	10		
Exp. Bolts 3/4"	Each	10		

F.A.U. 8492  
SEC. 14-00082-00-WR  
CITY OF OLNEY  
BOX CULVERT EXTENSIONS





ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.W. 8492	14-00082-00-WR	OLNEY	46	18
CONTRACT NO. 95803		ILLINOIS		

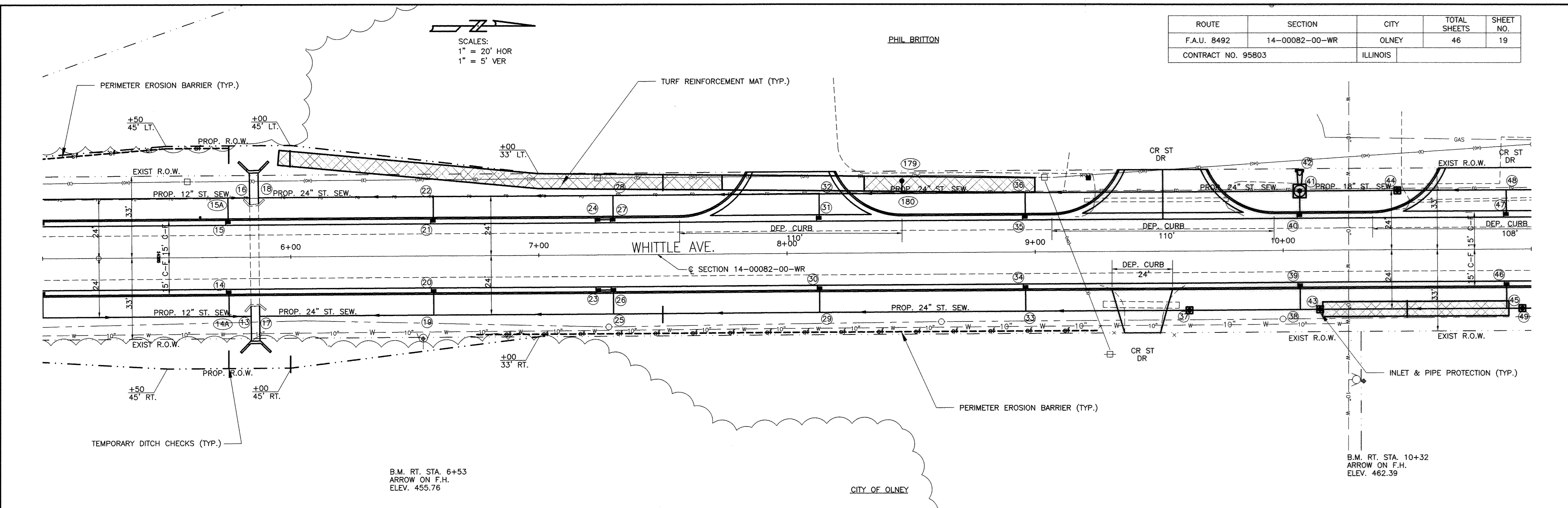




PHIL BRITTON

ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	19
CONTRACT NO. 95803		ILLINOIS		

SCALES:  
1" = 20' HOR  
1" = 5' VER



STATION	TEMPORARY DITCH CHECKS	FOOT	PERIMETER EROSION BARRIER	FOOT	TURF REINFORCEMENT MAT	SQ. YD.	INLET & PIPE PROTECTION	EACH	STATION					
475	LT. & RT. STA. 5+75 LT. & RT. STA. 6+00 LT. & RT. STA. 7+50	14 14 14	LT. STA. 5+00 TO 5+85 RT. STA. 6+75 TO 7+50	85 75	LT. STA. 5+95 TO 9+25	240	STA. 5+00 TO 10+00	1	475					
470		TOTAL 42 FOOT	TOTAL 160 FOOT						470					
465									465					
460									460					
455									455					
450									450					
445									445					
440									440					
435									435					
430	458.4 458.63	458.0 458.22	457.6 457.88	457.4 457.64	457.3 457.53	457.4 457.52	457.5 457.64	457.6 457.86	457.8 458.15	458.1 458.43	458.5 458.72	458.7 459.00	459.1 459.29	430
5+00			6+00		7+00		8+00		9+00		10+00		11+00	









SCALES:  
1" = 20' HOR  
1" = 5' VER

IRON HORSE PIPE & STEEL

HOWARD & LISA CANTRELL

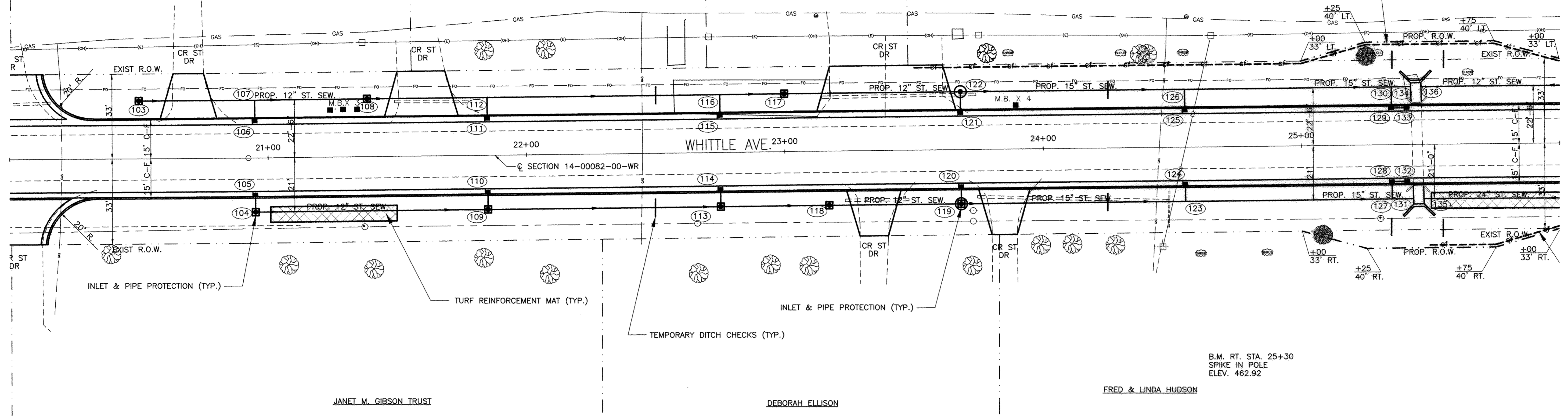
GARY F. COWMAN

WILLIAM DEIBEL & C. BRADHAM

ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	22
CONTRACT NO. 95803		ILLINOIS		

WILLIAM DEIBEL & C. BRADHAM

PERIMETER EROSION BARRIER (TYP.)



STATION	DESCRIPTION	QUANTITY	UNIT	TOTAL QUANTITY	UNIT	STATION
485	INLET & PIPE PROTECTION	EACH				485
	STA. 20+00 TO 25+00	8				
	TEMPORARY DITCH CHECKS		FOOT			
	LT. & RT. STA. 22+50	14				
	LT. & RT. STA. 24+25	14				
	TOTAL	28	FOOT			
	PERIMETER EROSION BARRIER		FOOT			
	LT. STA. 23+50 TO 25+00	150				
	TURF REINFORCEMENT MAT		SQ. YD.			
	RT. STA. 21+00 TO 21+50	40				

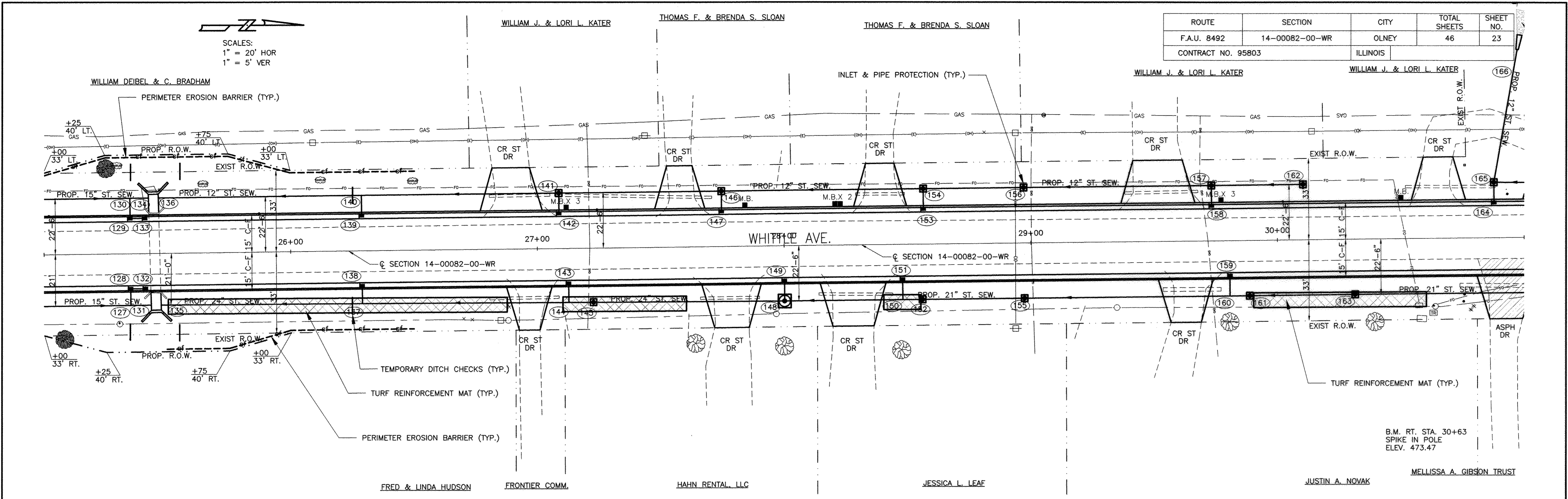
  

STATION	ELEVATION
20+00	467.0
	467.54
	467.4
	467.80
21+00	467.4
	467.84
	467.3
	467.66
22+00	467.0
	467.25
	466.5
	466.73
23+00	465.9
	466.22
	465.5
	465.70
24+00	465.2
	465.37
	464.9
	465.16
25+00	465.0
	465.07
	464.9
	465.06
26+00	465.0
	465.21



SCALES:  
 1" = 20' HOR  
 1" = 5' VER

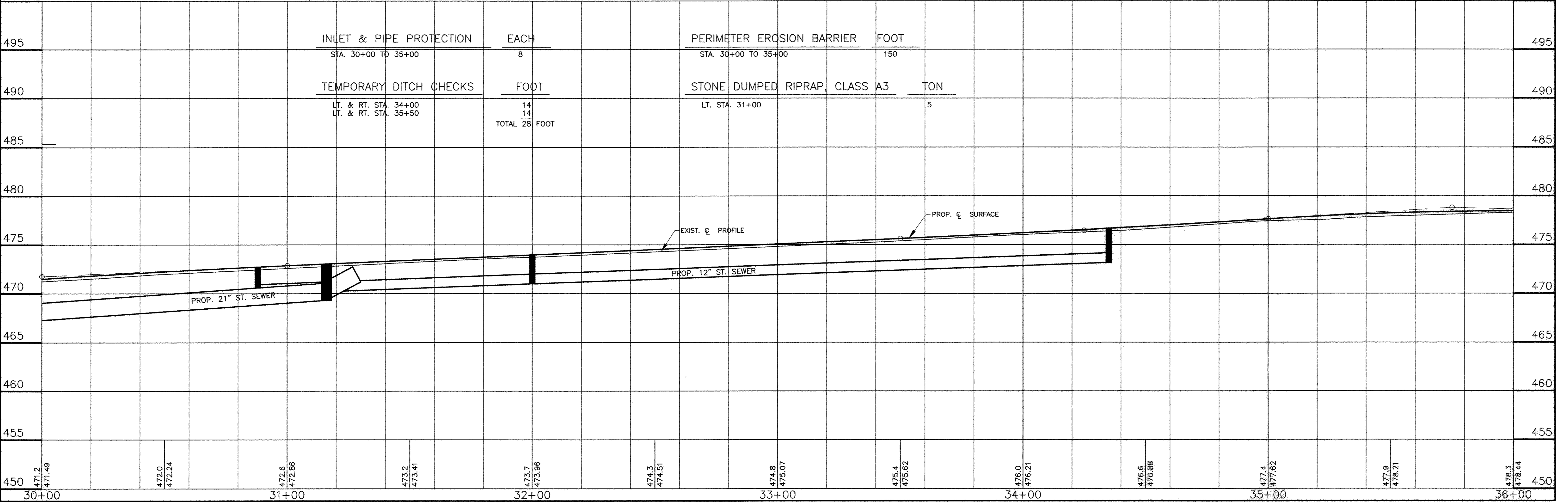
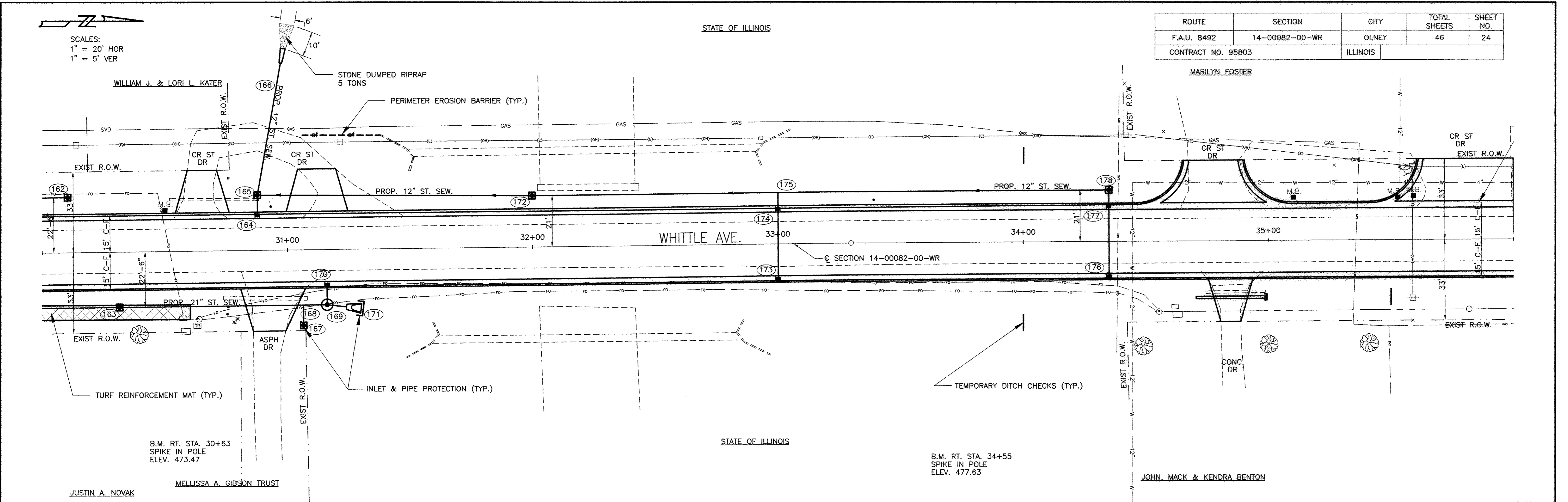
ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	23
CONTRACT NO. 95803		ILLINOIS		



485	TURF REINFORCEMENT MAT	SQ.YD.	TEMPORARY DITCH CHECKS	FOOT	PERIMETER EROSION BARRIER	FOOT	INLET & PIPE PROTECTION	EACH	485
	RT. STA. 25+50 TO 26+90	105	LT. & RT. STA. 25+35	14	RT. STA. 25+50 TO 26+50	100	STA. 25+00 TO 30+00	10	
	RT. STA. 27+10 TO 27+60	40	LT. & RT. STA. 25+55	14					
	RT. STA. 28+40 TO 28+55	15	LT. & RT. STA. 26+25	14					
	RT. STA. 29+90 TO 30+60	50							
480	TOTAL	210		TOTAL	42				480
475									475
470									470
465									465
460									460
455									455
450									450
445									445
440									440
25+00	465.0 465.07								
26+00	464.9 465.08								
27+00	465.0 465.21								
28+00	465.2 465.45								
29+00	465.6 465.87								
30+00	466.4 466.55								
31+00	467.3 467.49								

SCALES:  
 1" = 20' HOR  
 1" = 5' VER

ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	24
CONTRACT NO. 95803		ILLINOIS		



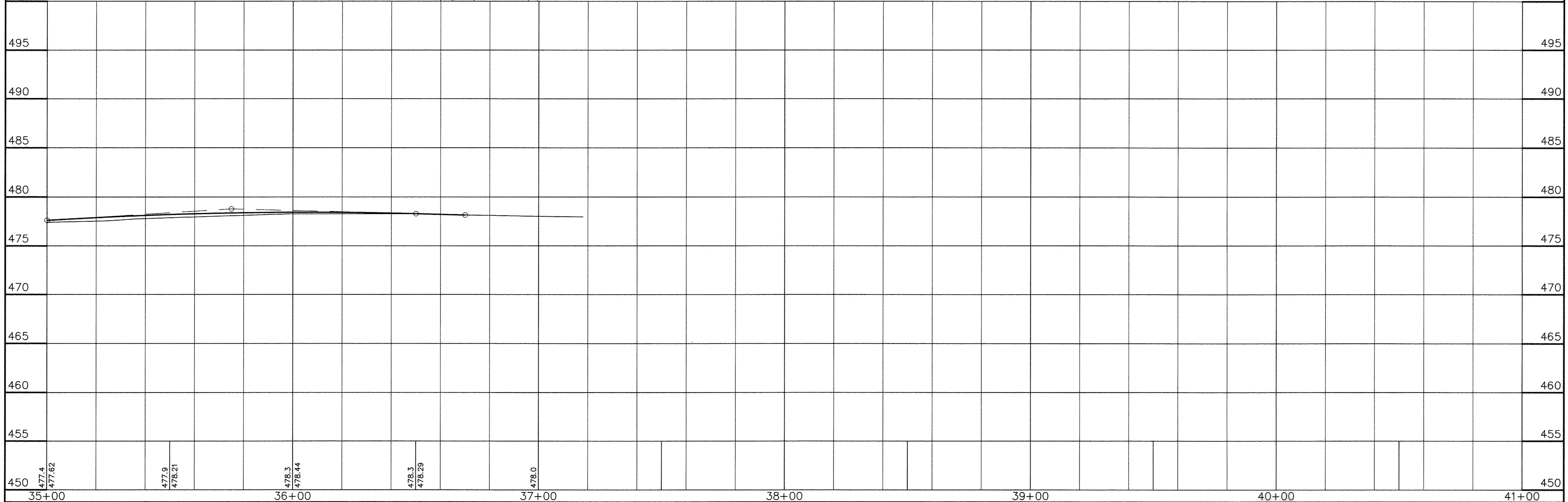
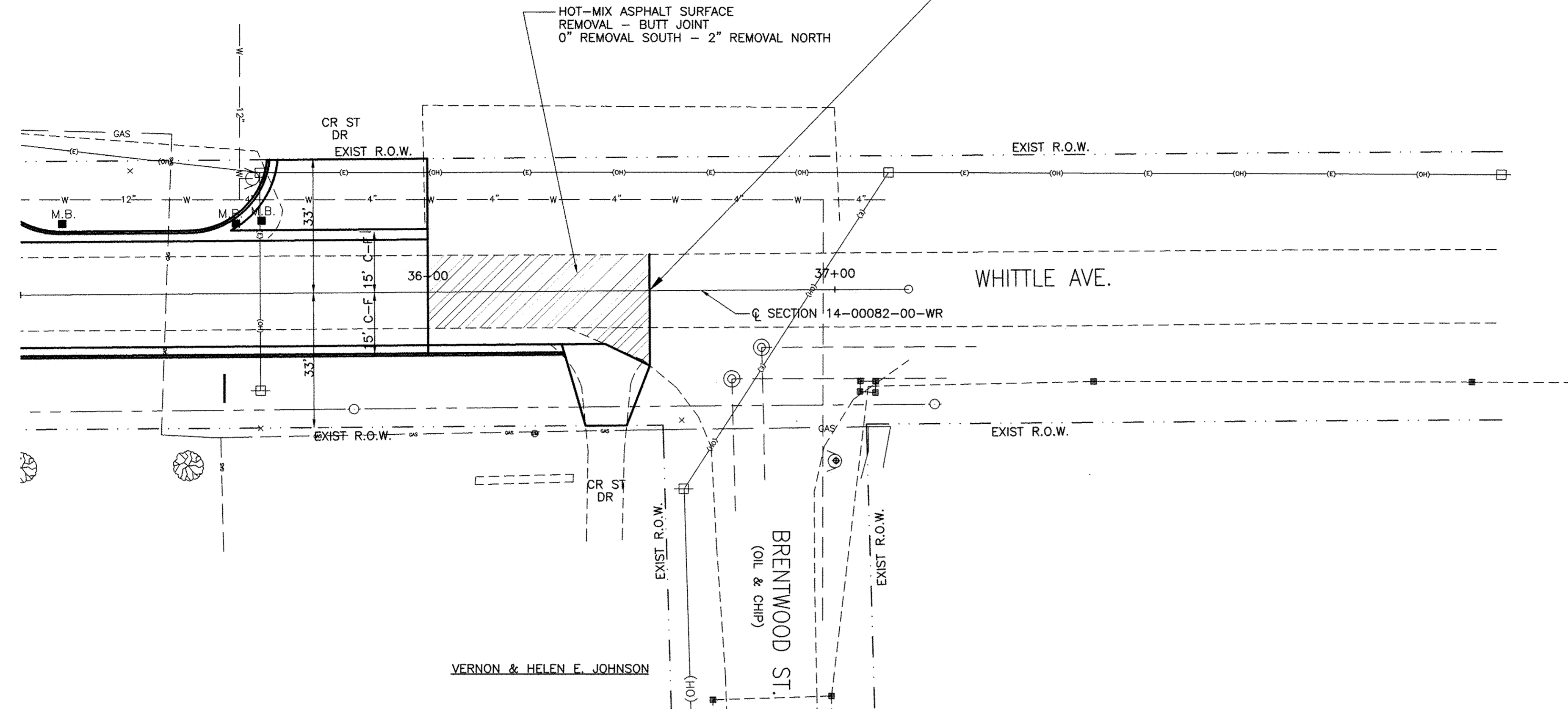




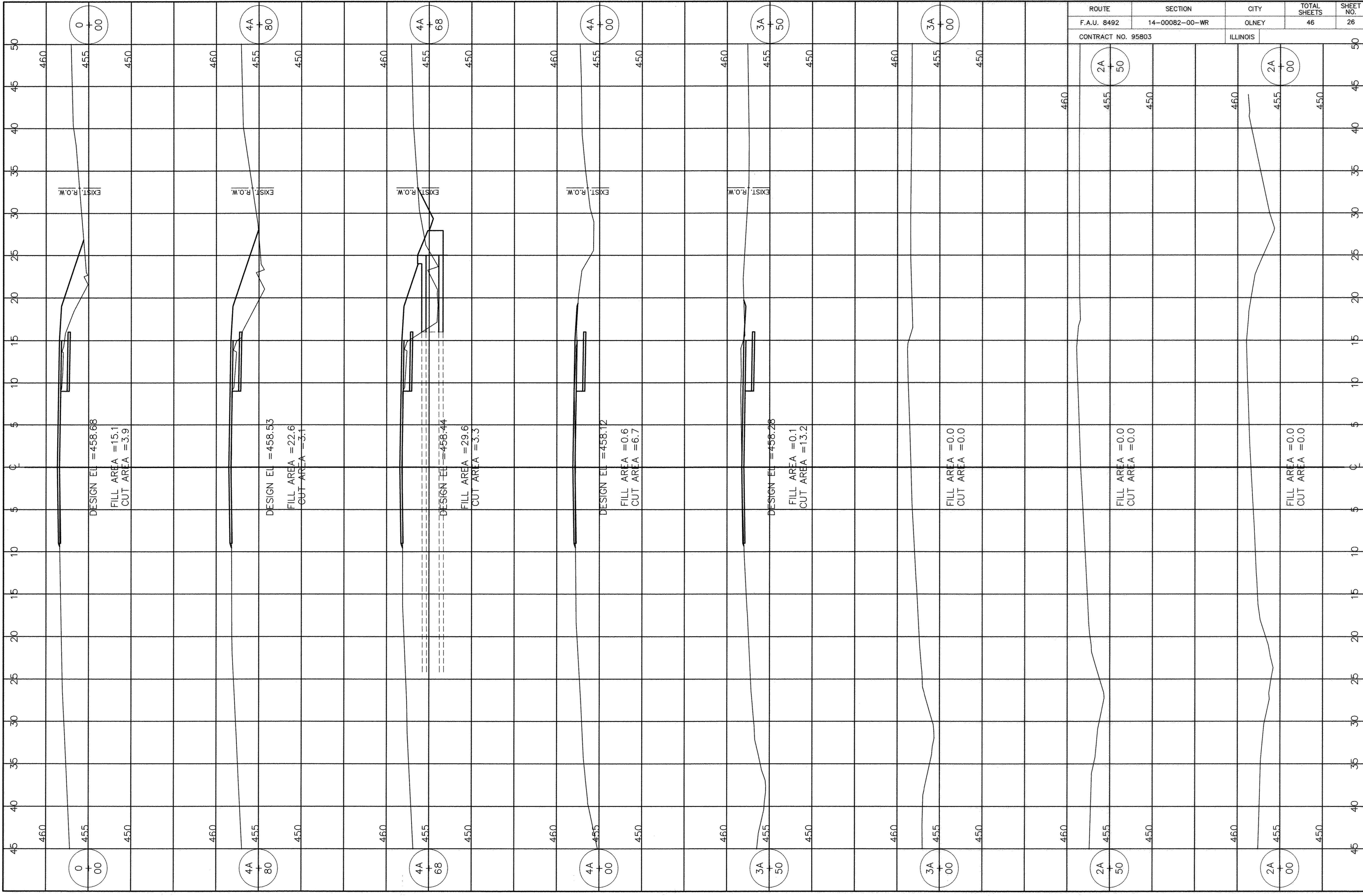
SCALES:  
 1" = 20' HOR  
 1" = 5' VER

ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	25
CONTRACT NO. 95803		ILLINOIS		

SECTION 14-00082-00-WR ENDS STA. 36+54.00



ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	26
CONTRACT NO. 95803		ILLINOIS		



DESIGN EL = 458.68  
 FILL AREA = 15.1  
 CUT AREA = 3.9

DESIGN EL = 458.53  
 FILL AREA = 22.6  
 CUT AREA = 3.1

DESIGN EL = 458.44  
 FILL AREA = 29.6  
 CUT AREA = 5.3

DESIGN EL = 458.12  
 FILL AREA = 0.6  
 CUT AREA = 6.7

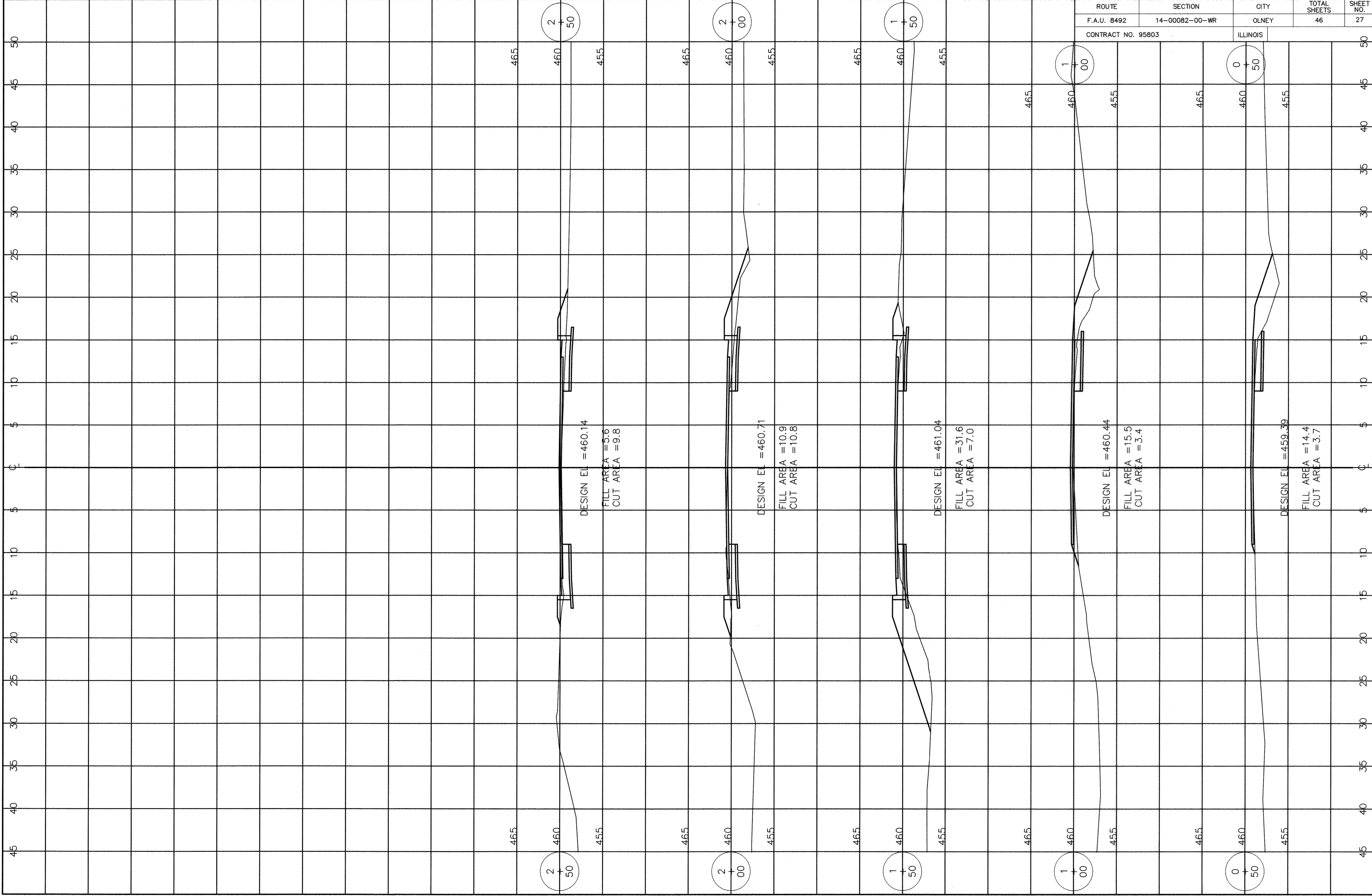
DESIGN EL = 458.28  
 FILL AREA = 0.1  
 CUT AREA = 13.2

FILL AREA = 0.0  
 CUT AREA = 0.0

FILL AREA = 0.0  
 CUT AREA = 0.0

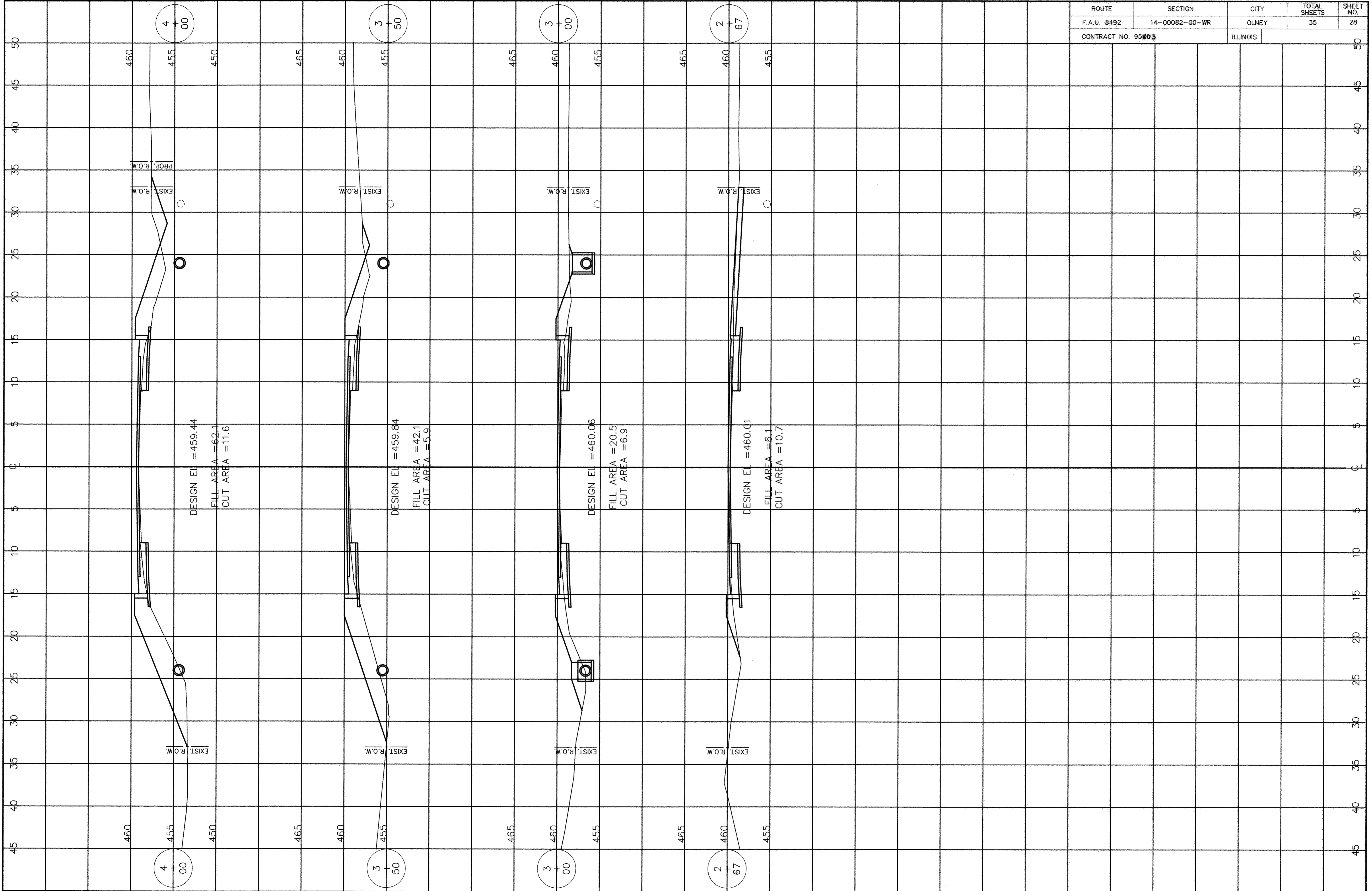
FILL AREA = 0.0  
 CUT AREA = 0.0





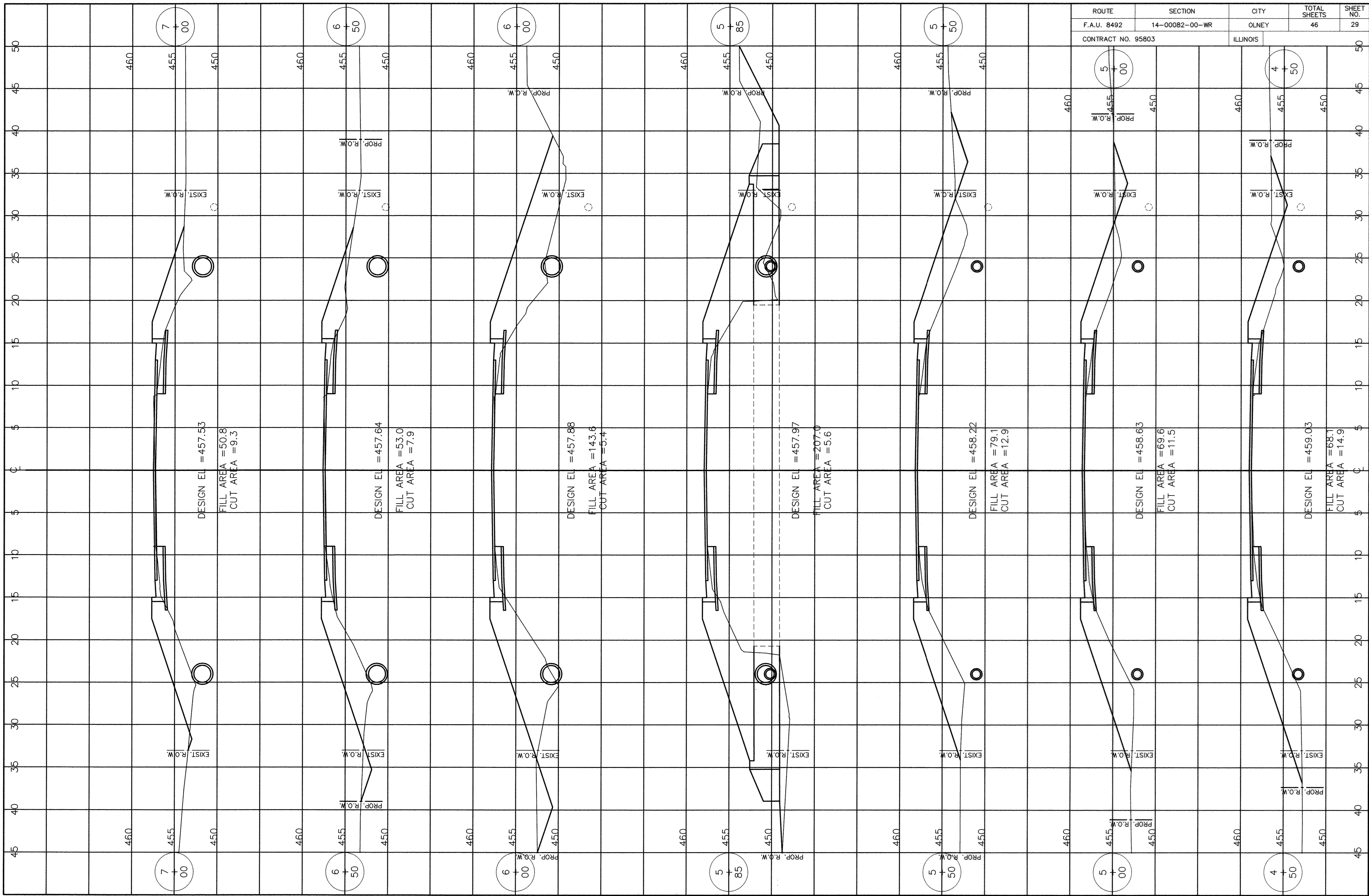
ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	27
CONTRACT NO. 95803		ILLINOIS		

ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	35	28
CONTRACT NO. 95803		ILLINOIS		

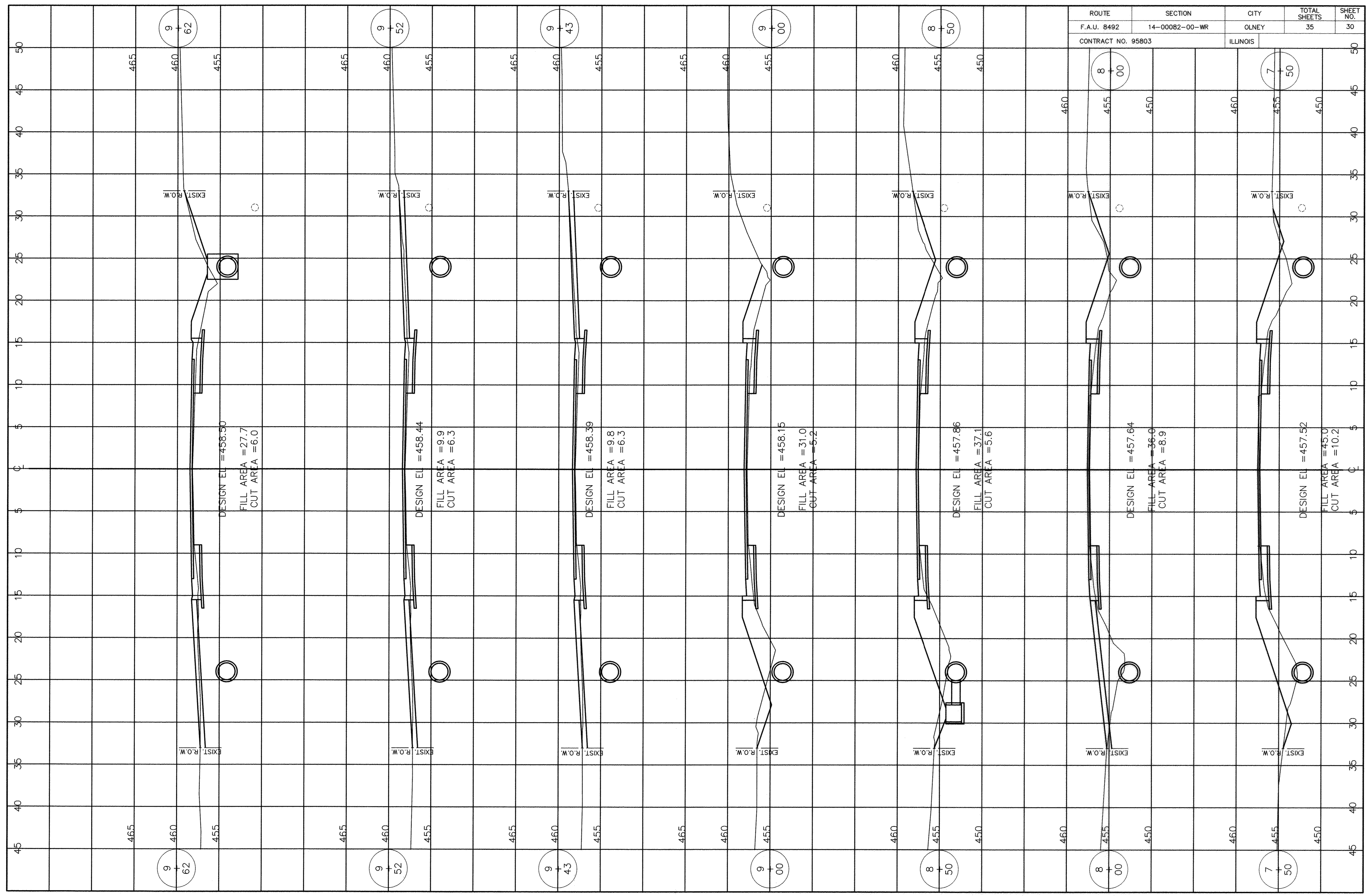




ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	29
CONTRACT NO. 95803		ILLINOIS		

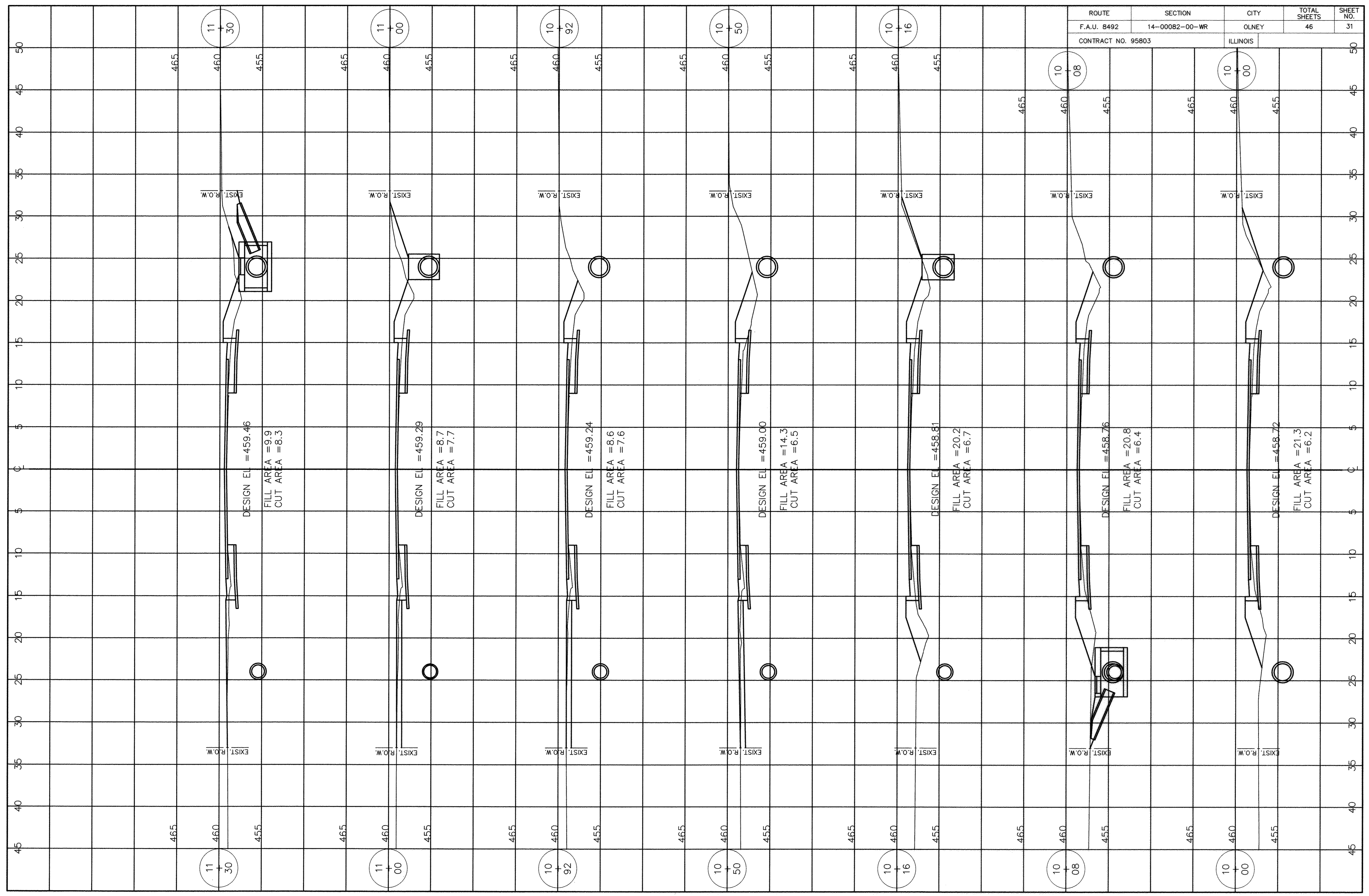


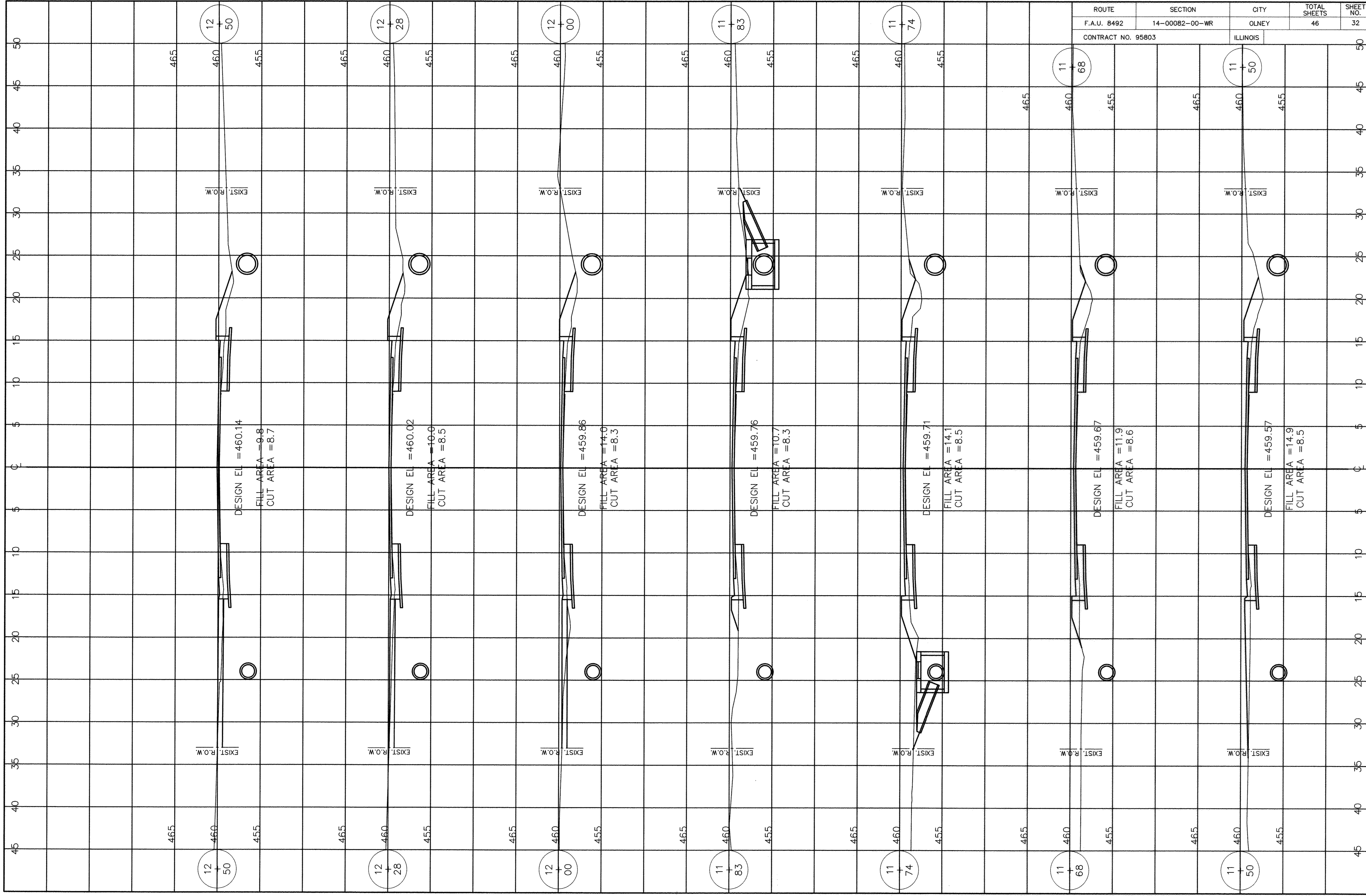
ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	35	30
CONTRACT NO. 95803		ILLINOIS		





ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	31
CONTRACT NO. 95803		ILLINOIS		

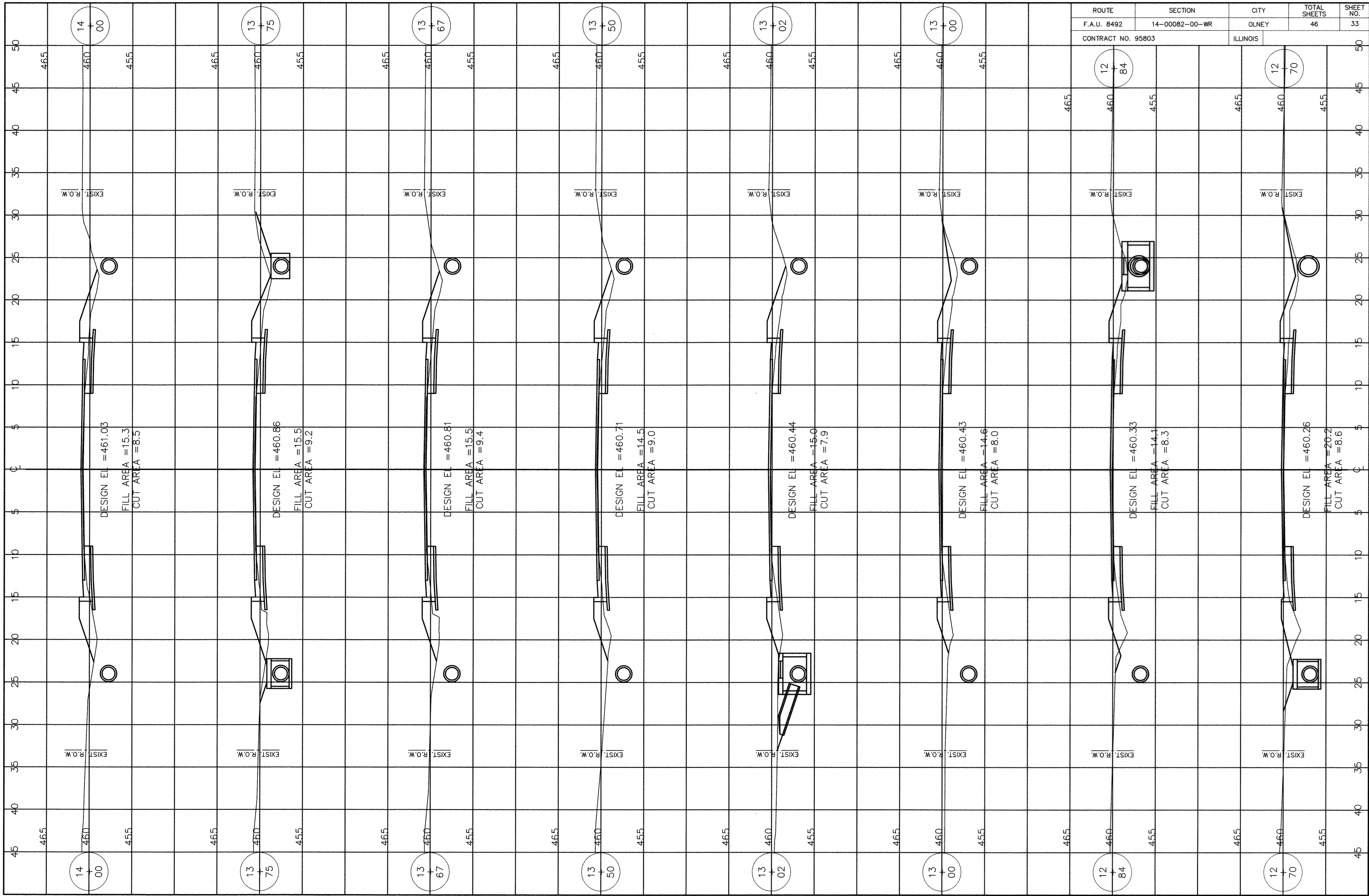


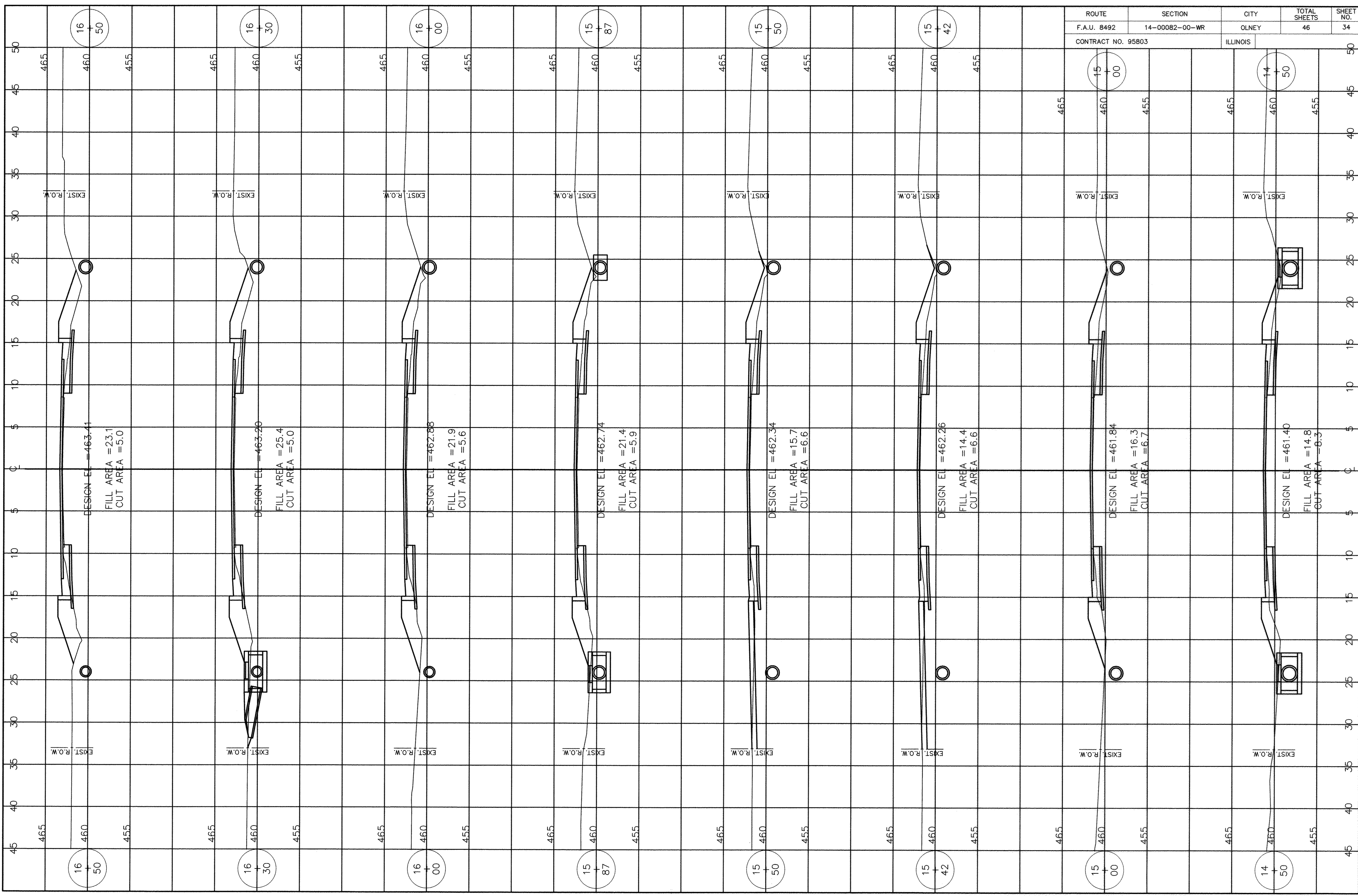


ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	32
CONTRACT NO. 95803		ILLINOIS		



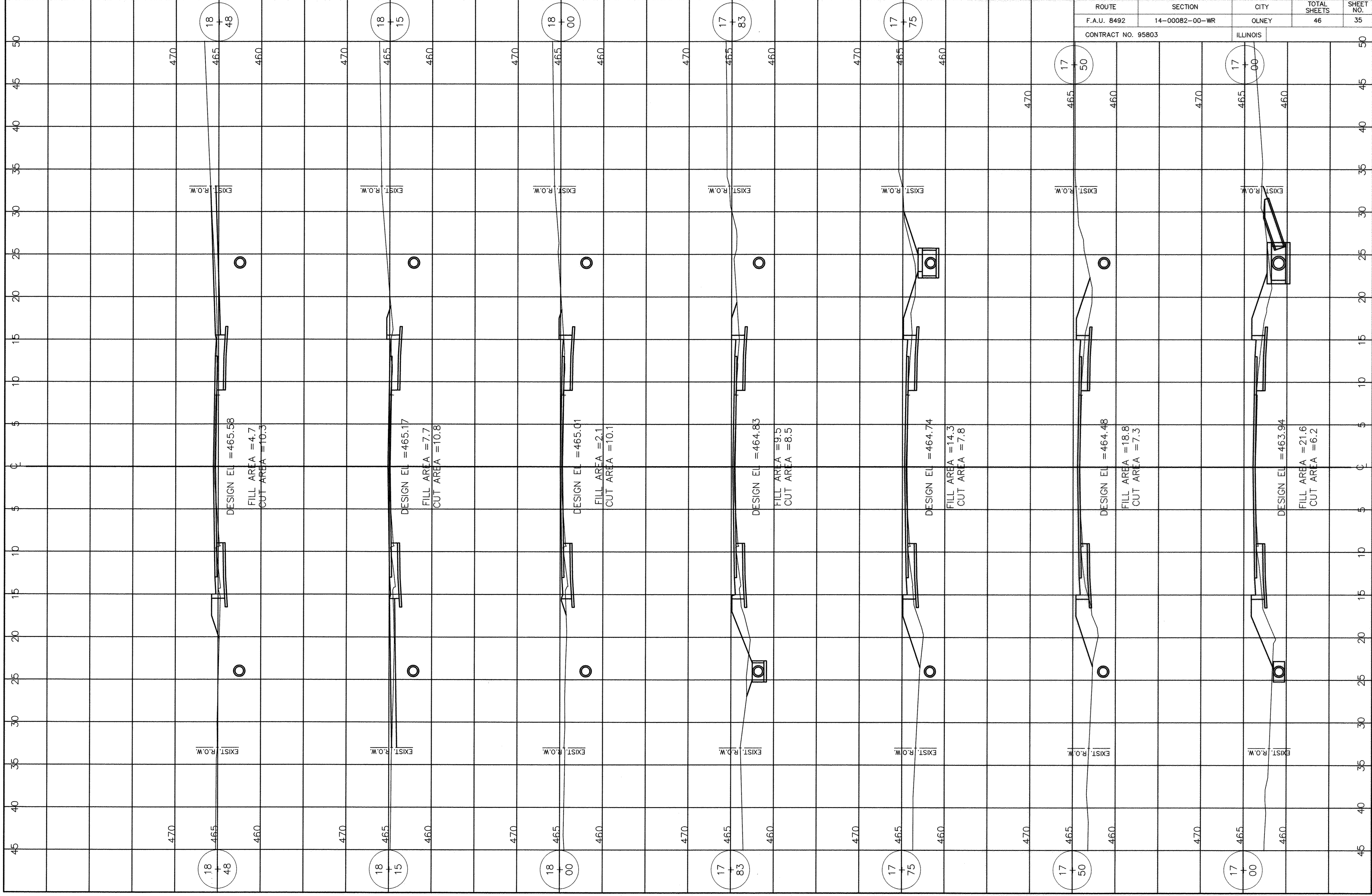
ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	33
CONTRACT NO. 95803		ILLINOIS		



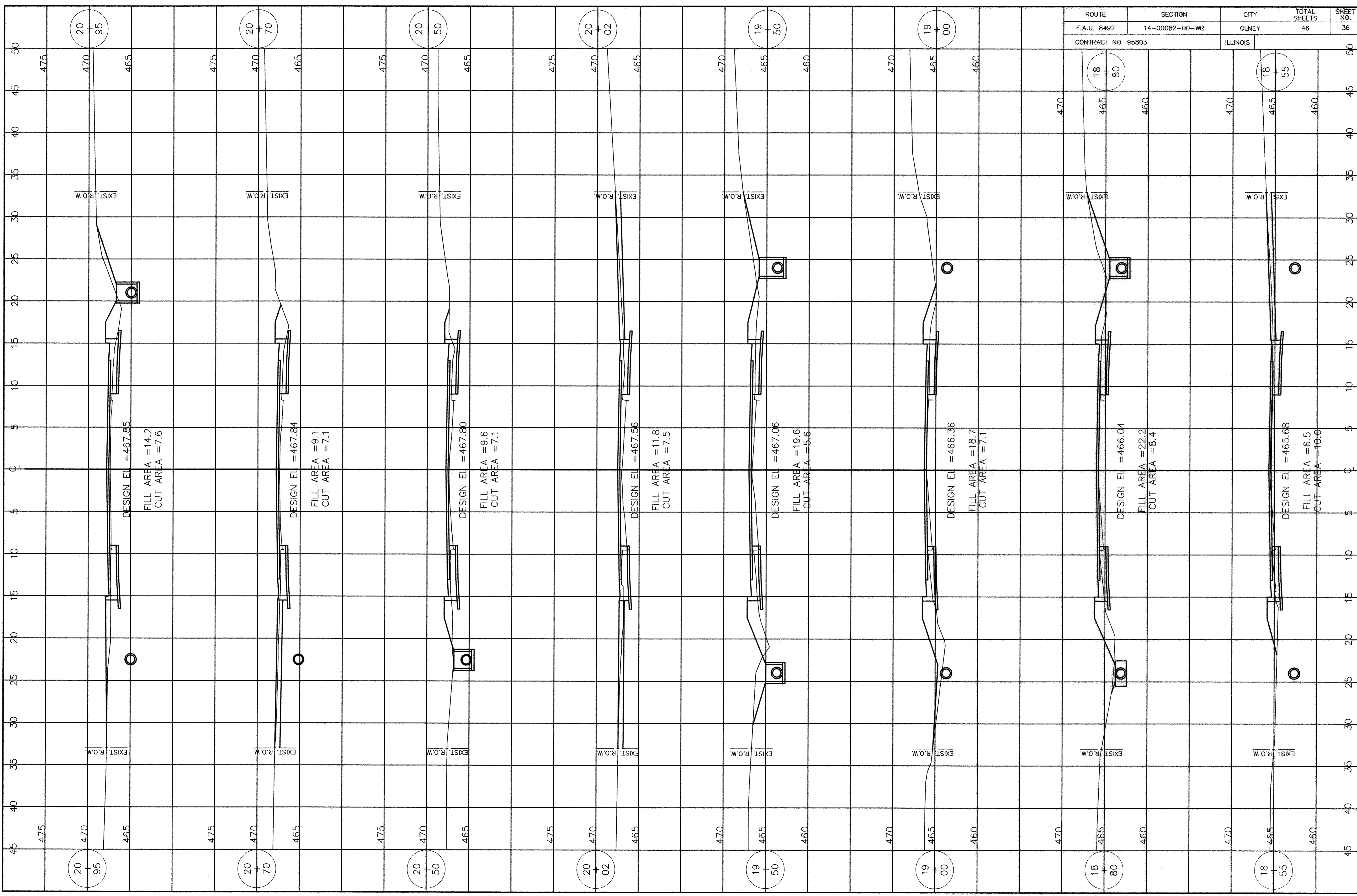


ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	34
CONTRACT NO. 95803		ILLINOIS		





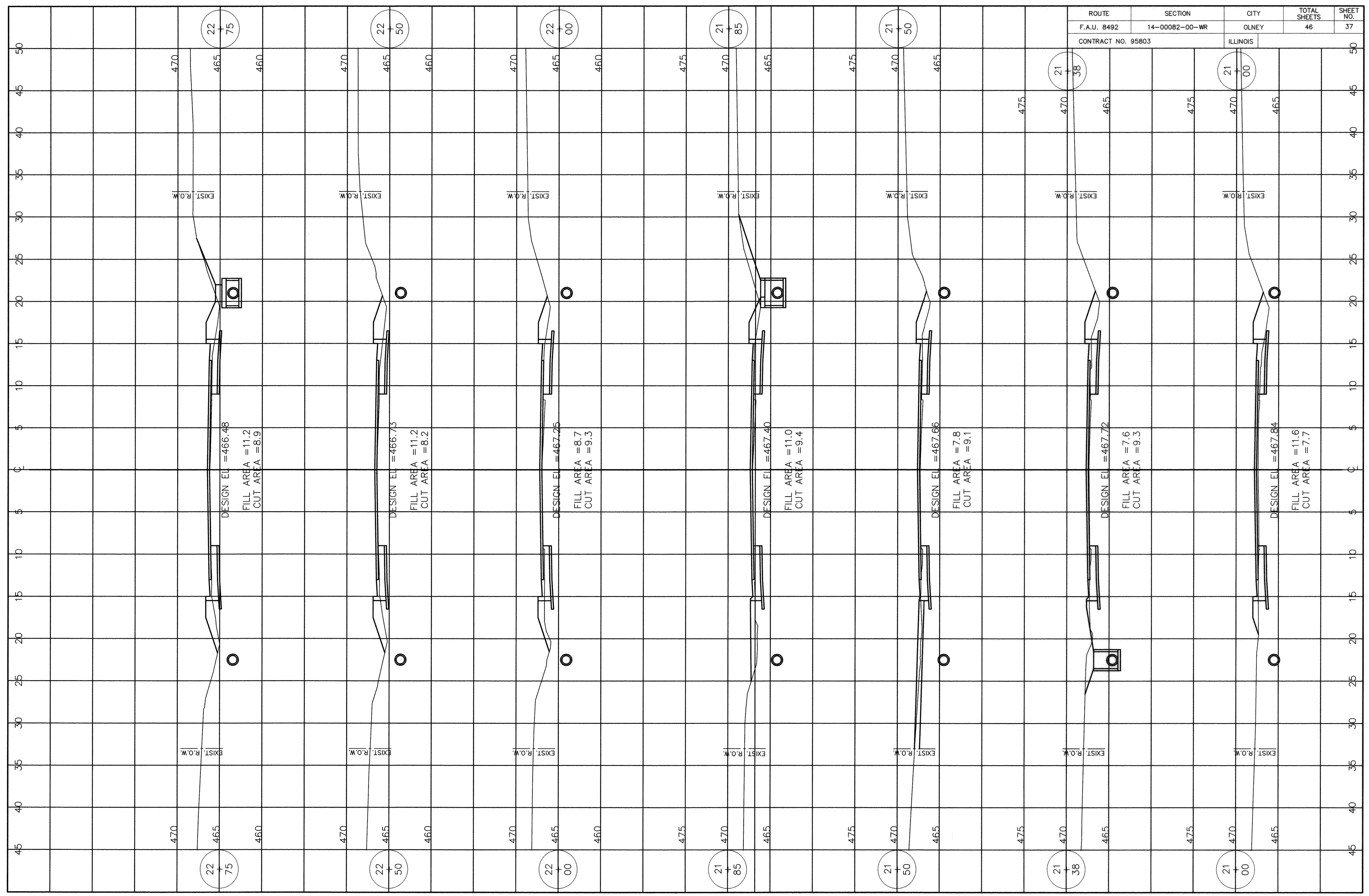
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F.A.U. 8492	14-00082-00-WR	OLNEY	46	35
CONTRACT NO. 95803		ILLINOIS		



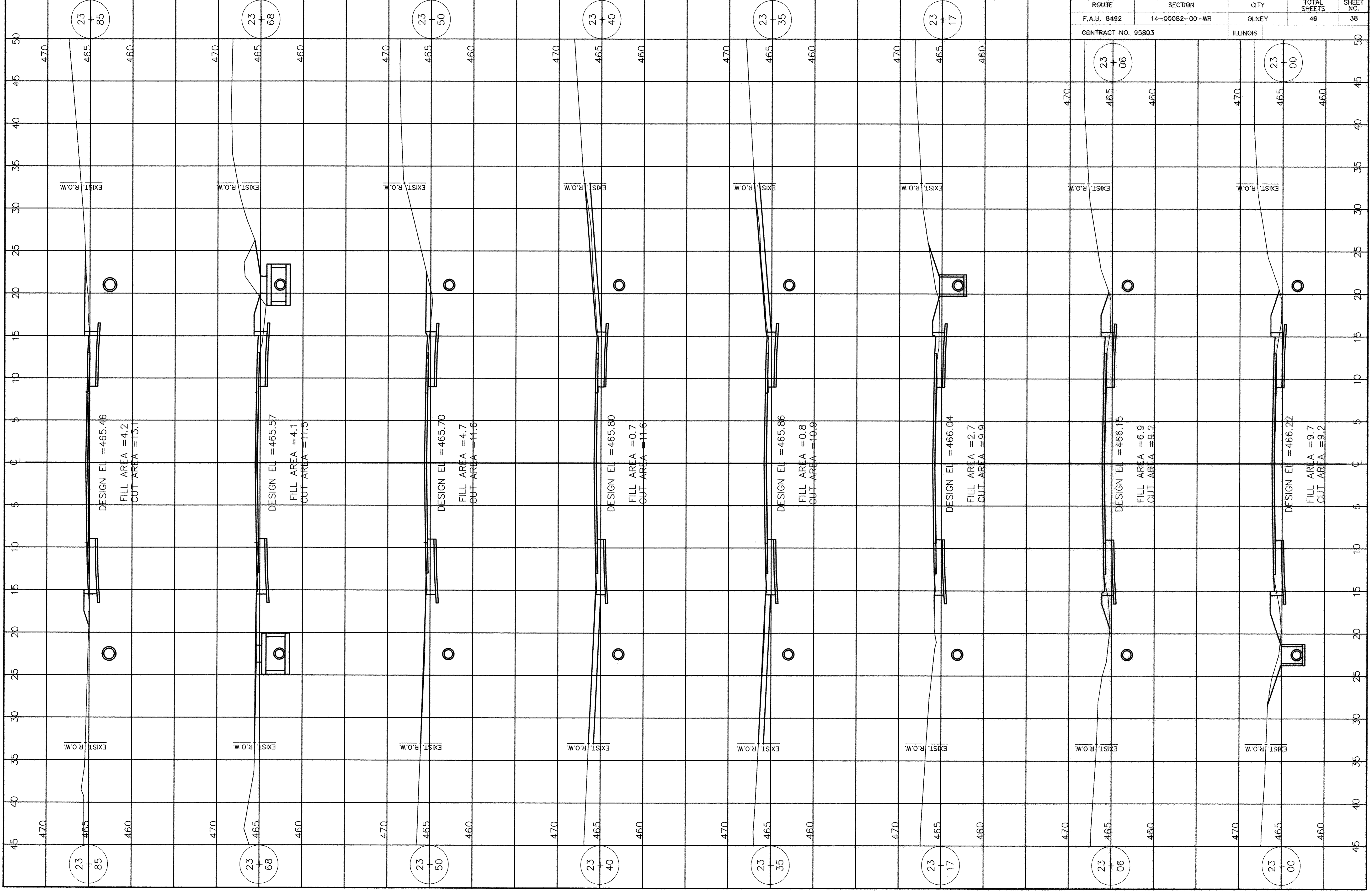
ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	36
CONTRACT NO. 95803		ILLINOIS		



ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	37
CONTRACT NO. 95803		ILLINOIS		

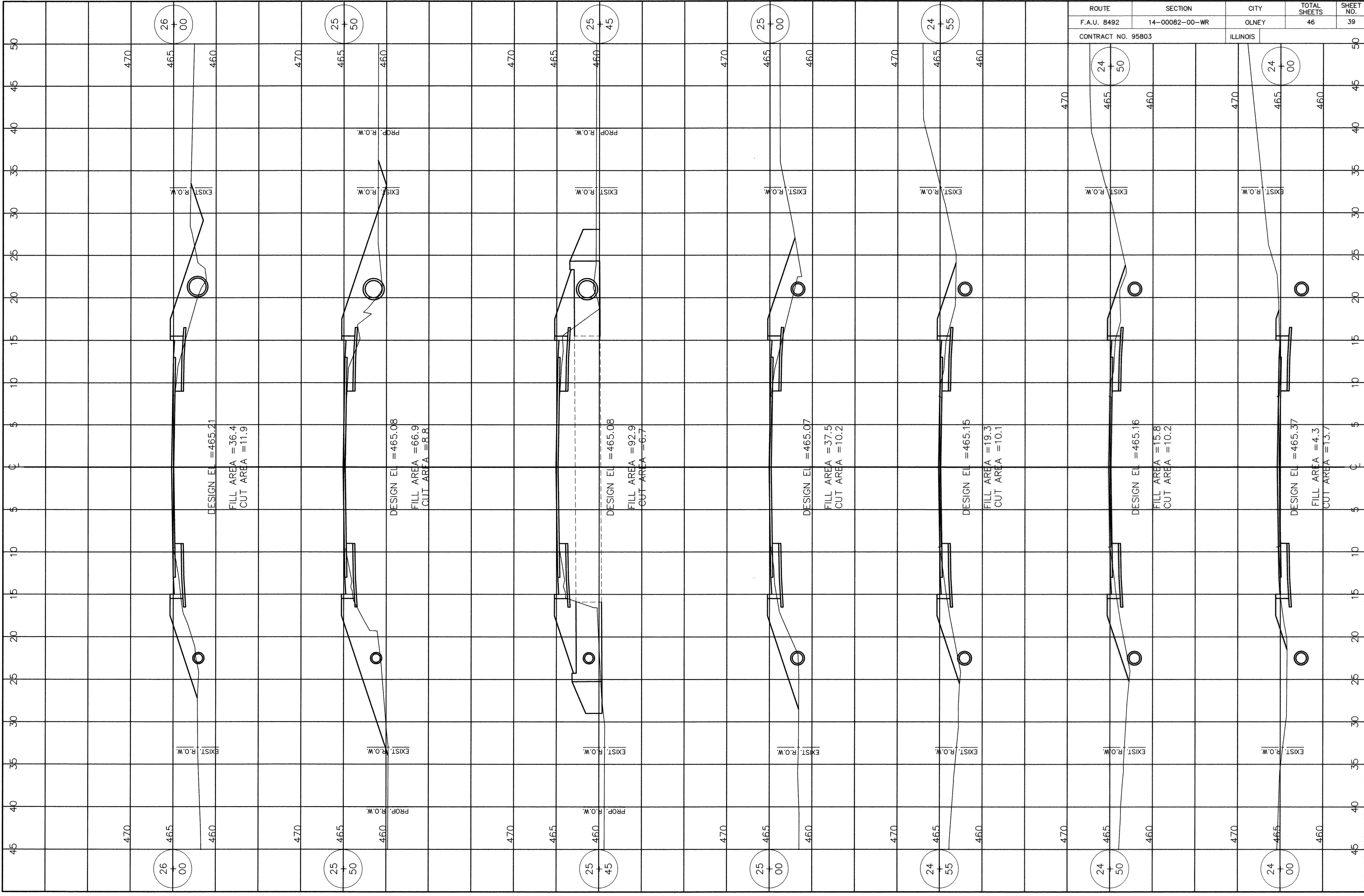


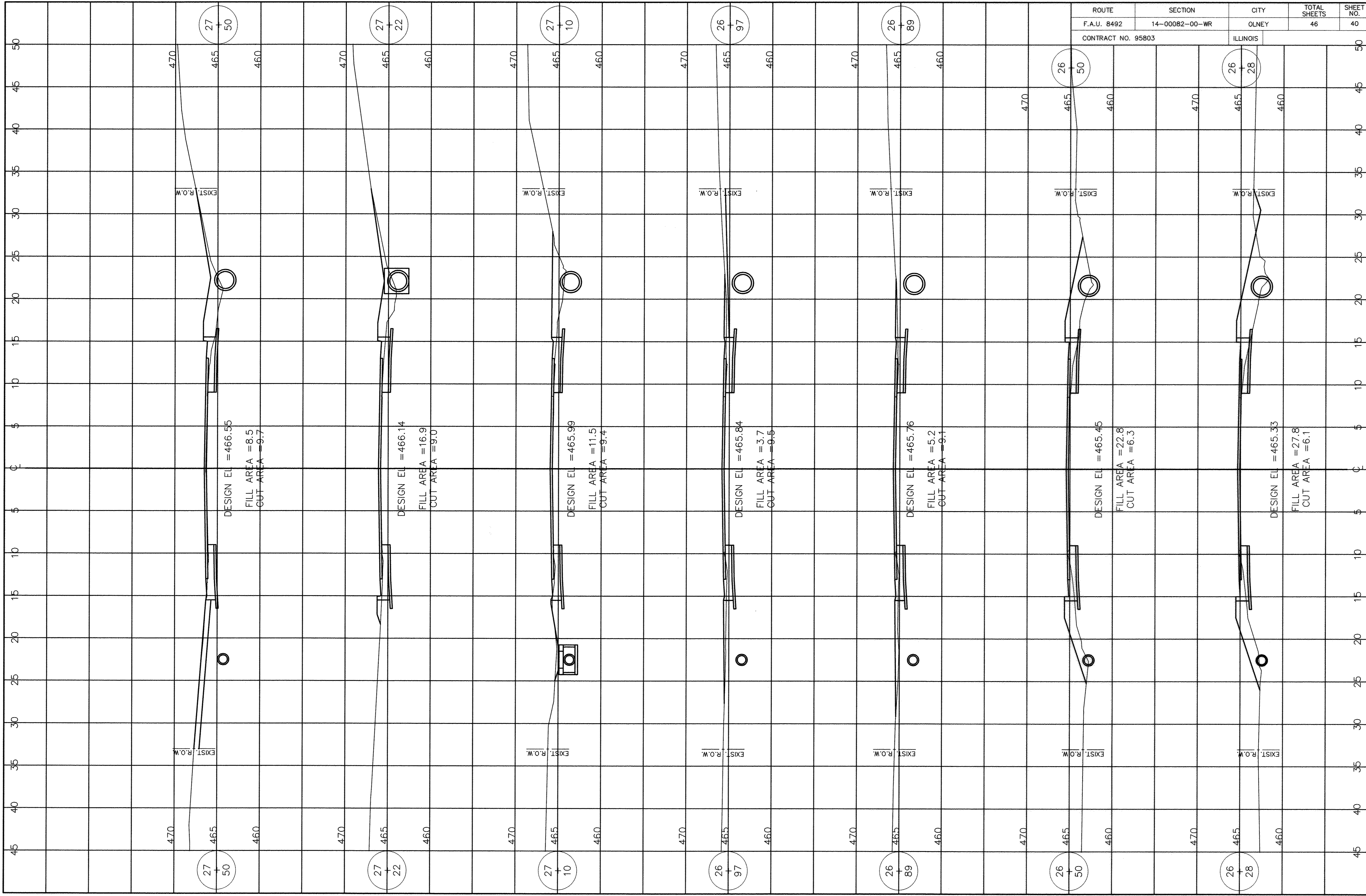
ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	38
CONTRACT NO. 95803		ILLINOIS		





ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	39
CONTRACT NO. 95803		ILLINOIS		

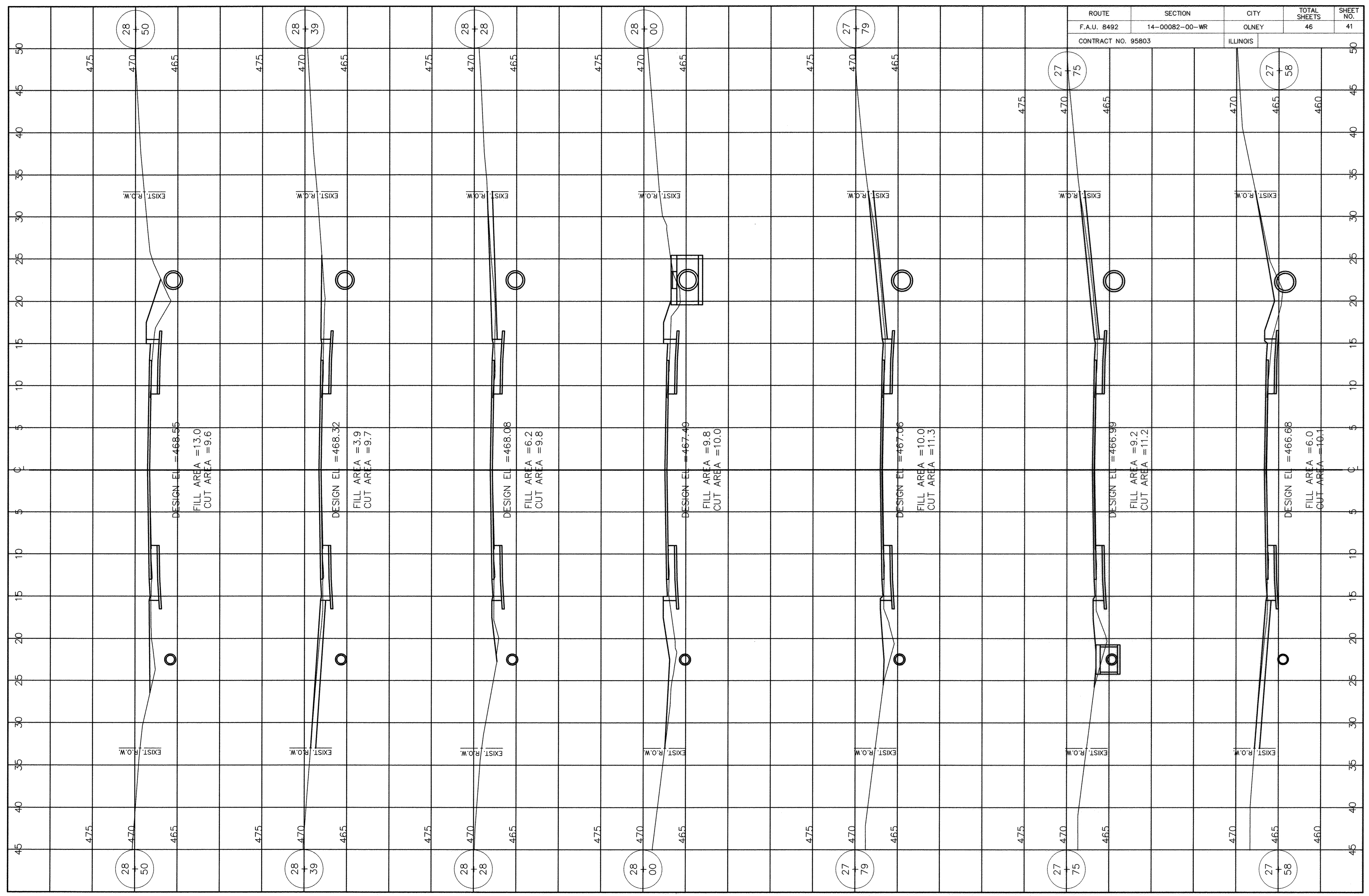




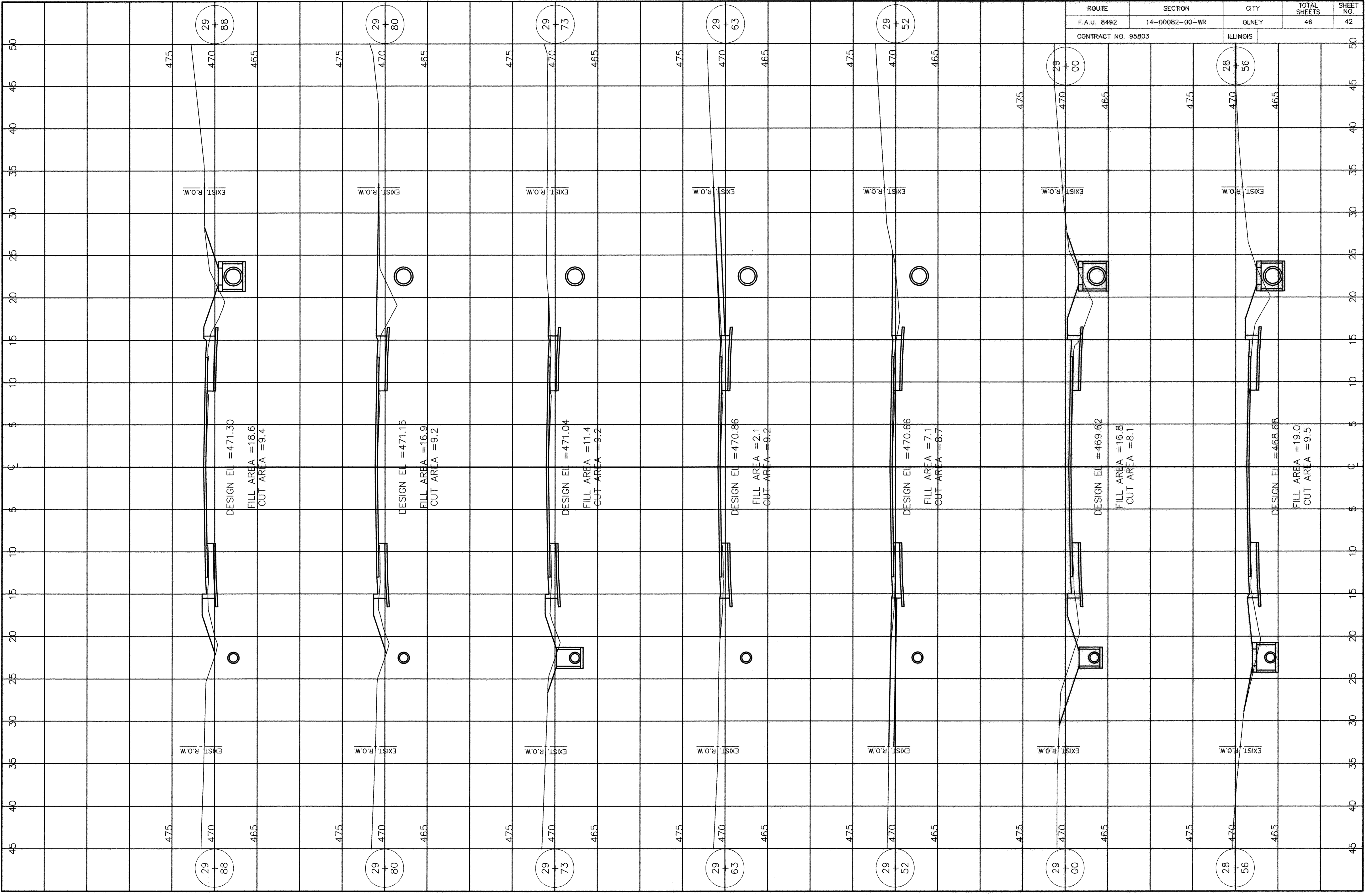
ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	40
CONTRACT NO. 95803		ILLINOIS		



ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	41
CONTRACT NO. 95803		ILLINOIS		

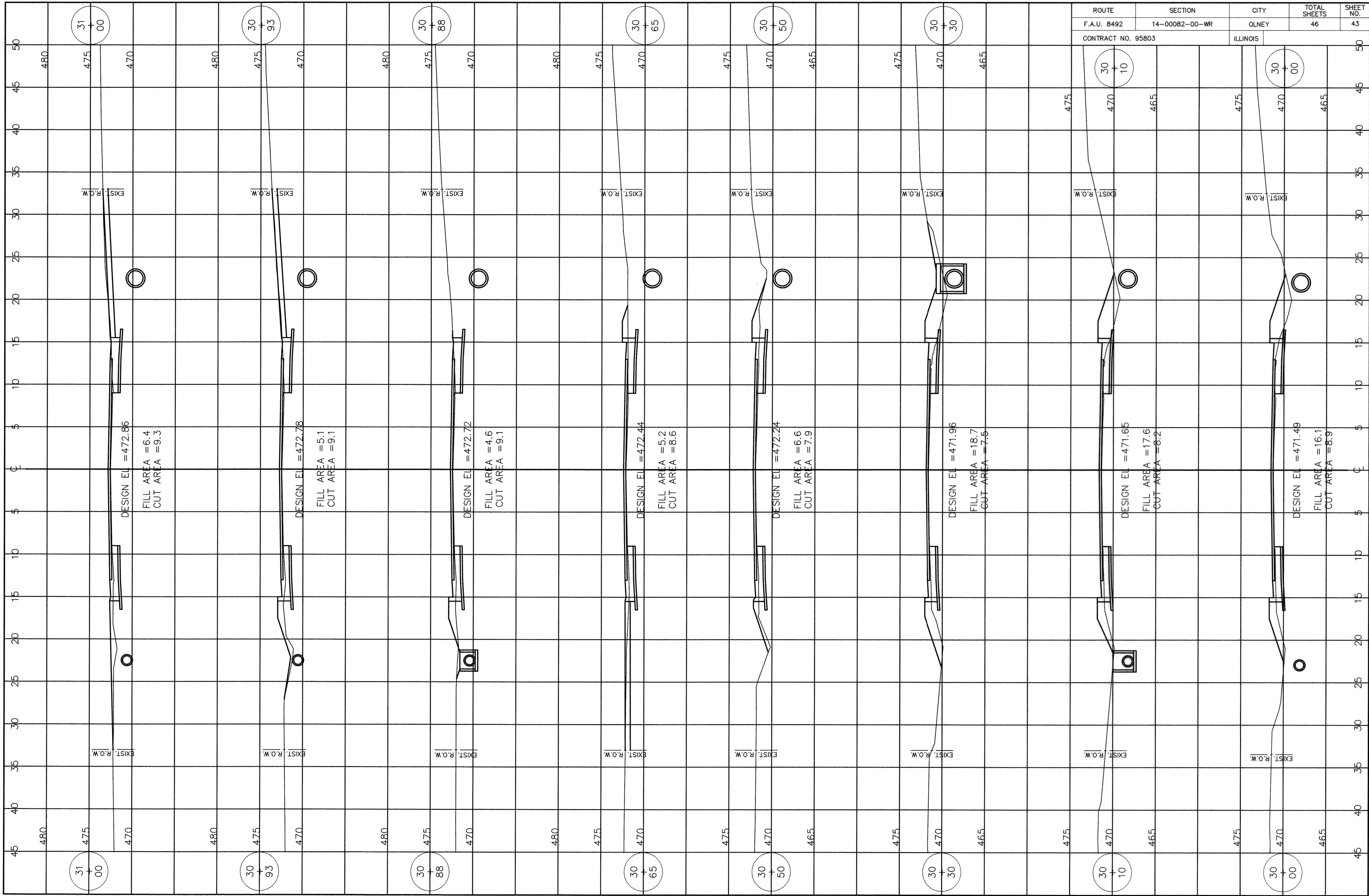


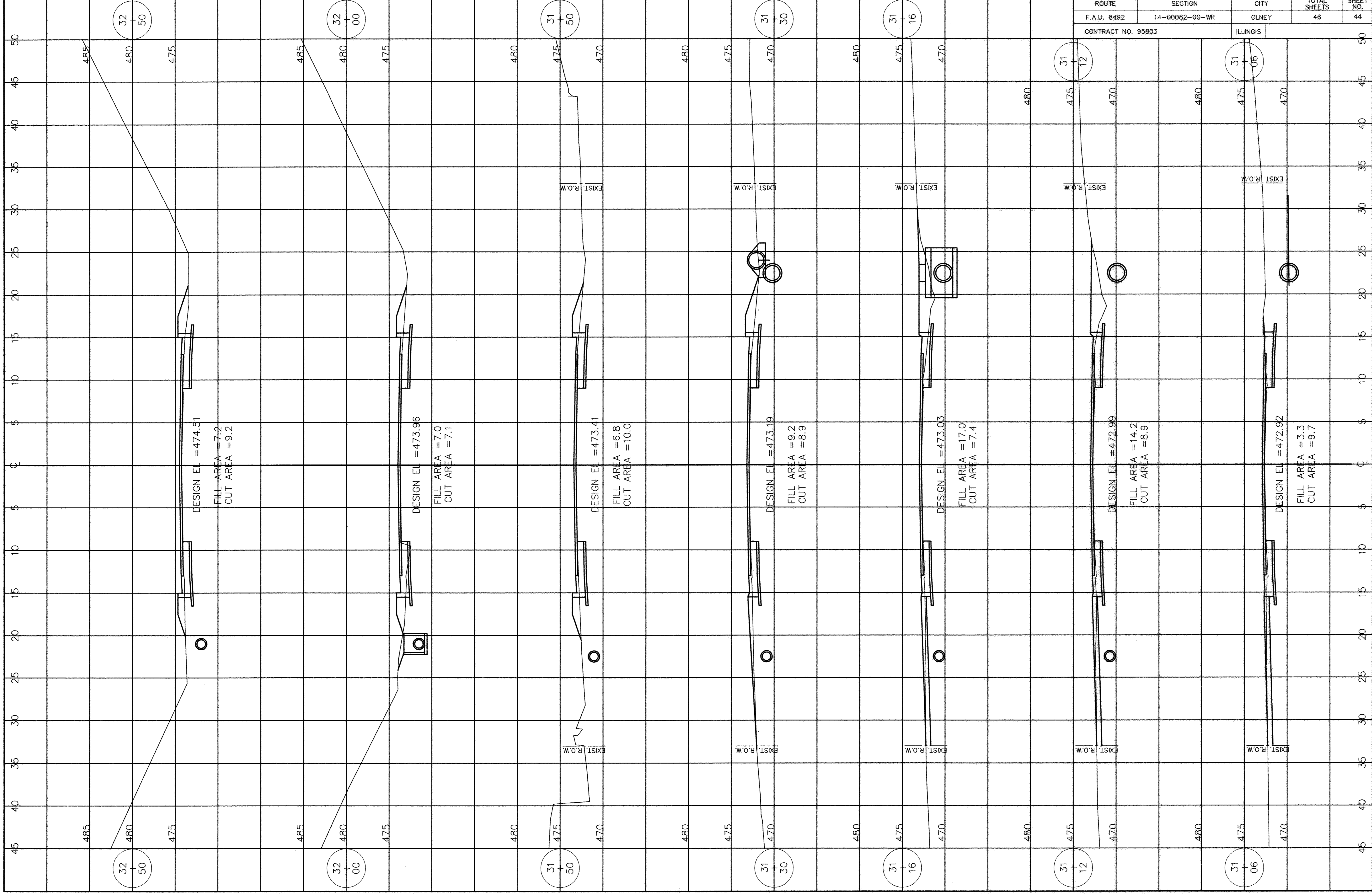
ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	42
CONTRACT NO. 95803		ILLINOIS		





ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	43
CONTRACT NO. 95803		ILLINOIS		





ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	44
CONTRACT NO. 95803		ILLINOIS		

32  
50

32  
00

31  
50

31  
30

31  
16

31  
12

31  
06

DESIGN EL = 474.51  
FILL AREA = 7.2  
CUT AREA = 9.2

DESIGN EL = 473.96  
FILL AREA = 7.0  
CUT AREA = 7.1

DESIGN EL = 473.41  
FILL AREA = 6.8  
CUT AREA = 10.0

DESIGN EL = 473.19  
FILL AREA = 9.2  
CUT AREA = 8.9

DESIGN EL = 473.03  
FILL AREA = 17.0  
CUT AREA = 7.4

DESIGN EL = 472.99  
FILL AREA = 14.2  
CUT AREA = 8.9

DESIGN EL = 472.92  
FILL AREA = 3.3  
CUT AREA = 9.7

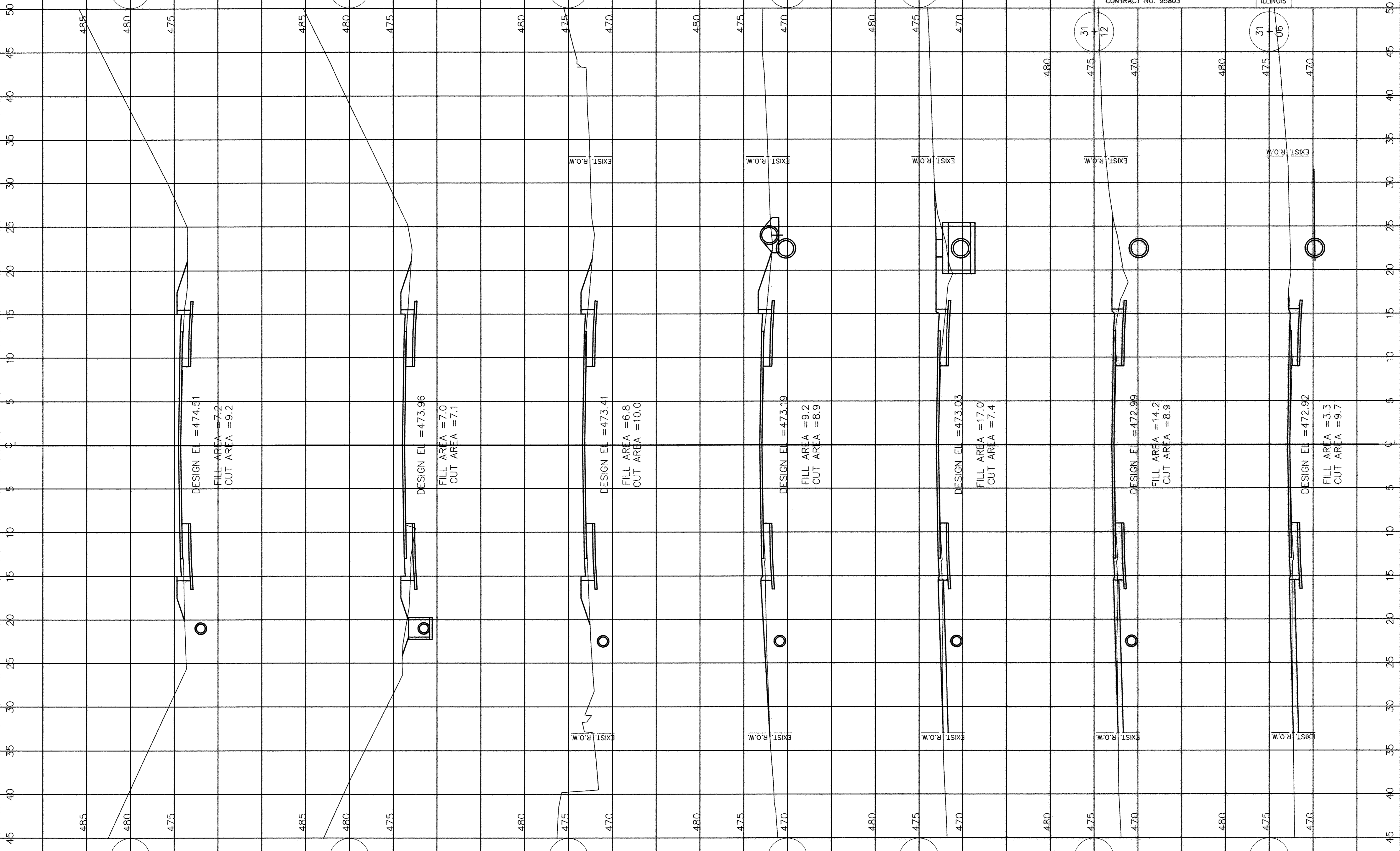
EXIST. R.O.W.

EXIST. R.O.W.

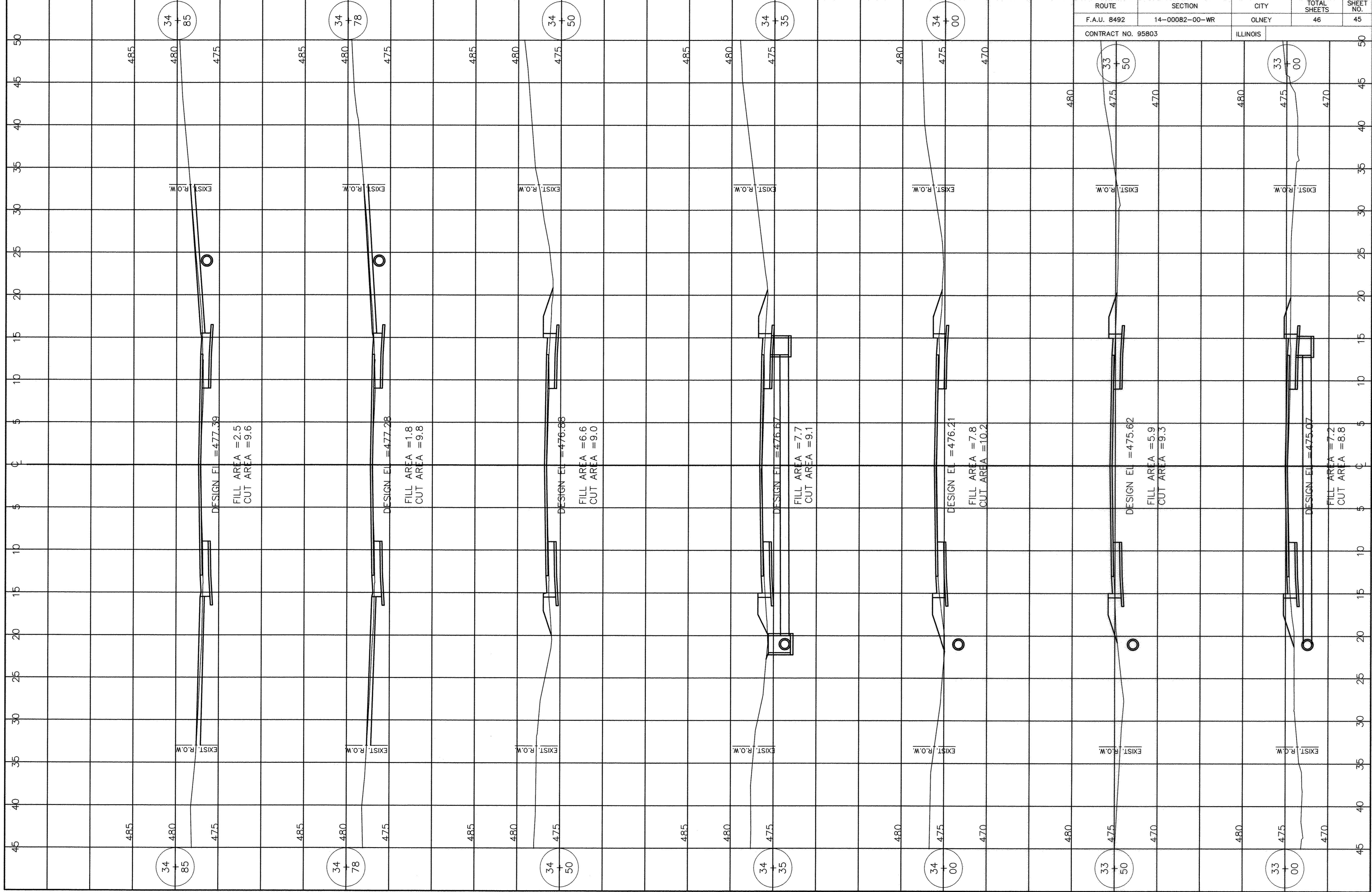
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EXIST. R.O.W.

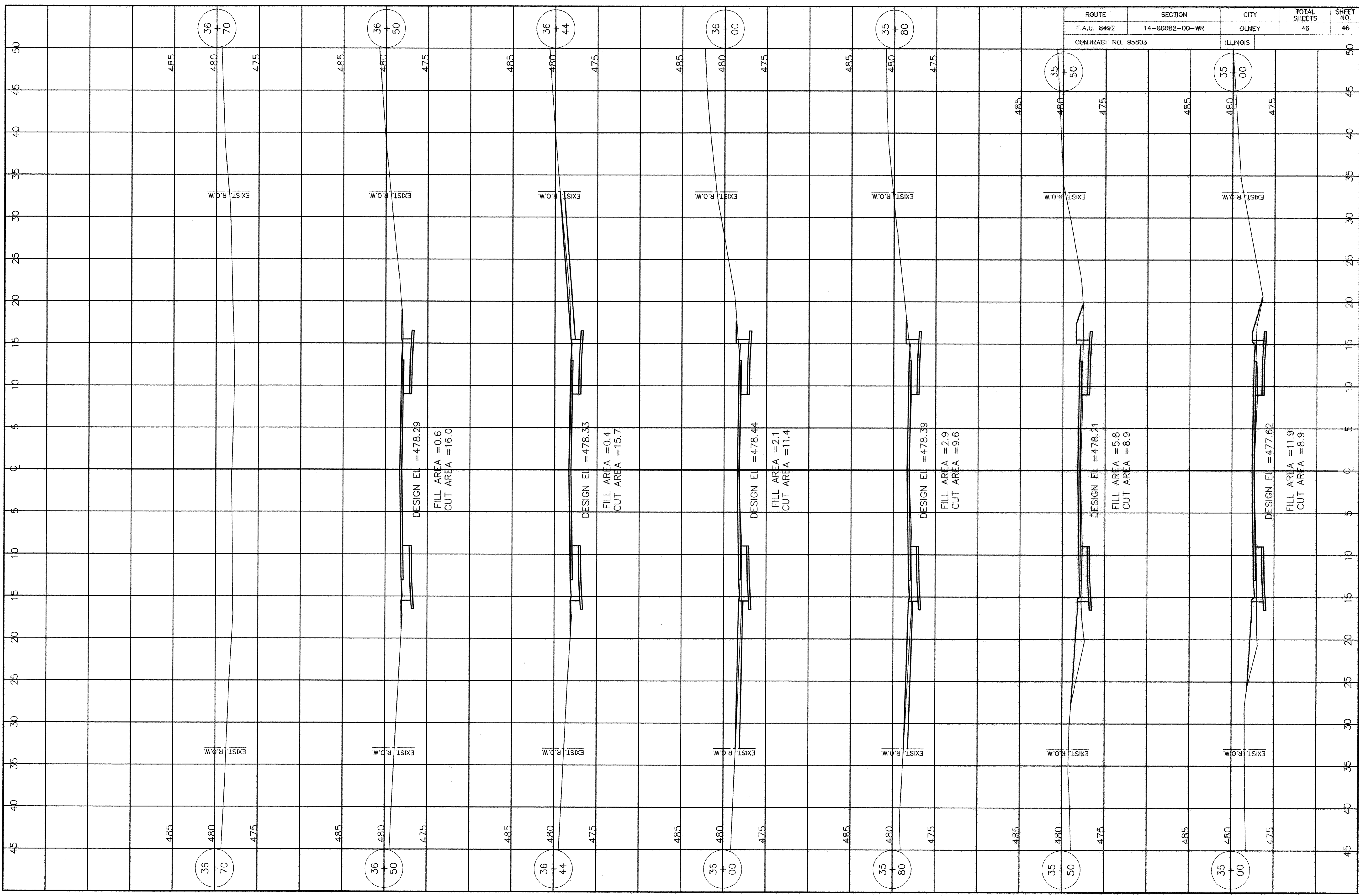
EXIST. R.O.W.







ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	45
CONTRACT NO. 95803		ILLINOIS		



ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8492	14-00082-00-WR	OLNEY	46	46
CONTRACT NO. 95803		ILLINOIS		