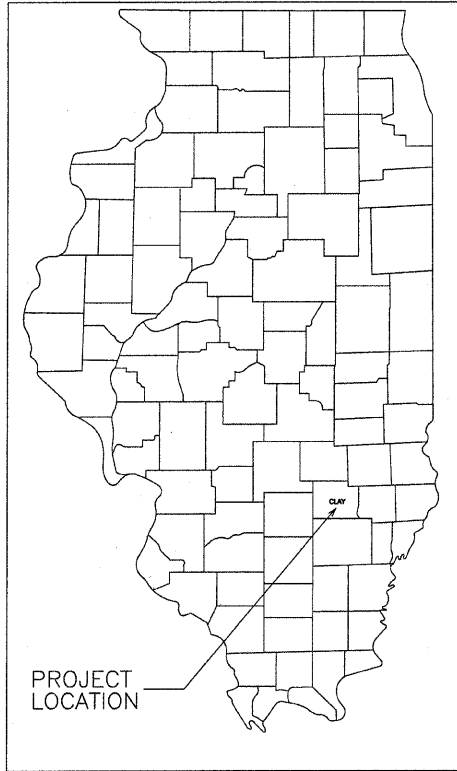


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
STU AND EDP PROJECT
SECTION 10-00054-00-PV CITY OF FLORA
JOB NO. C-97-072-12
PROJECT NO. M-5023(011)
WORTHY STREET - F.A.U. 8526

ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8526	10-00054-00-PV	FLORA	34	1
CONTRACT NO. 95672		ILLINOIS	PROJECT M-5023(011)	

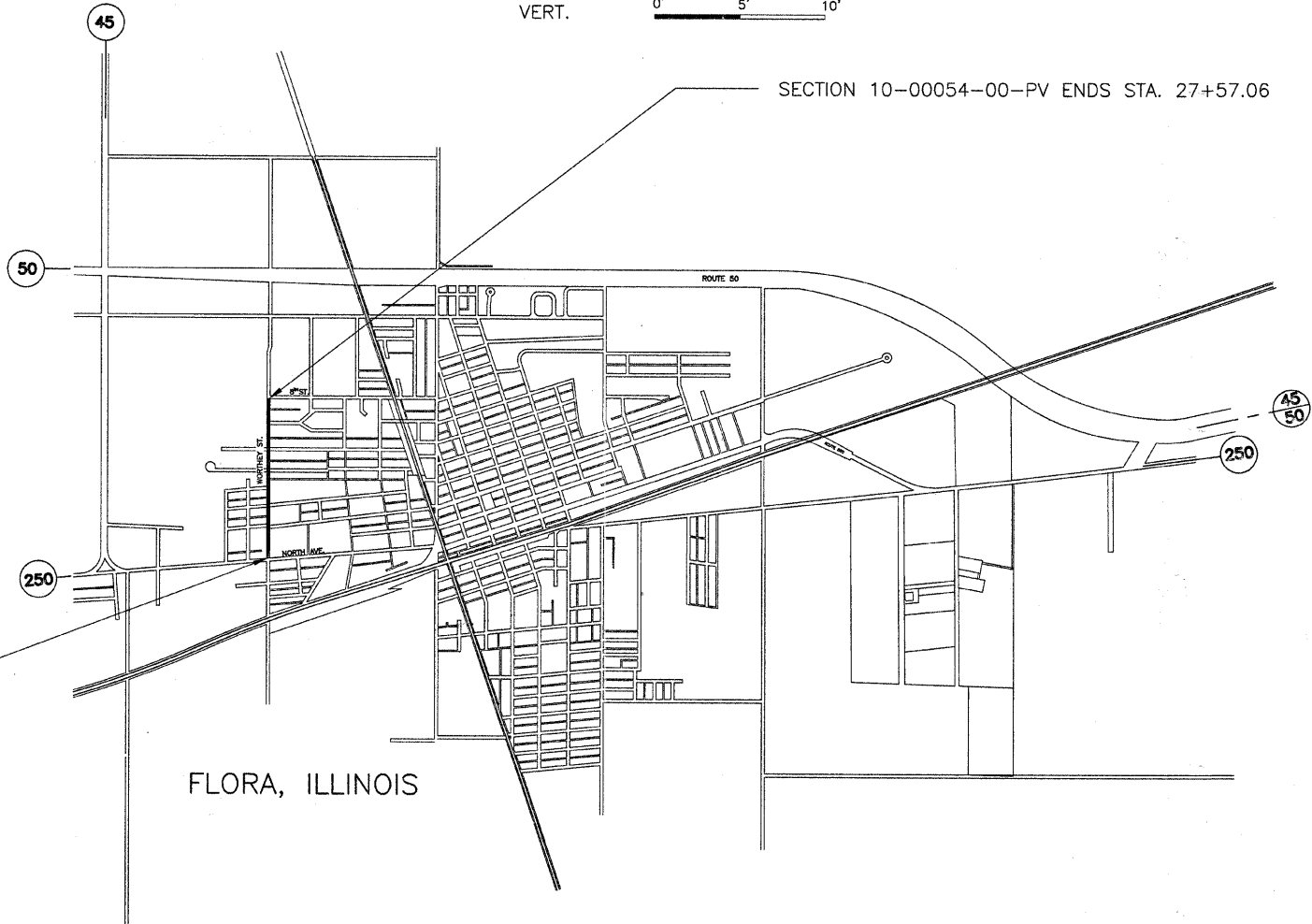


INDEX OF SHEETS

SHEET	ITEM
1	COVER SHEET
2	TYPICAL SECTIONS
3	SUMMARY OF QUANTITIES
4-6	DRAINAGE STRUCTURES / STORM SEWER
7-11	PLAN & PROFILE
12-14	INTERSECTION DETAILS
15-16	EROSION CONTROL
17	PUMP STATION DETAIL
18-34	CROSS SECTIONS
	STANDARD 000001-06
	STANDARD 280001-06
	STANDARD 420001-07
	STANDARD 424001-06
	STANDARD 424011
	STANDARD 424021
	STANDARD 424026
	STANDARD 602301-03
	STANDARD 602306-03
	STANDARD 602401-03
	STANDARD 602406-05
	STANDARD 602601-02
	STANDARD 602701-02
	STANDARD 604001-03
	STANDARD 604006-04
	STANDARD 604011-04
	STANDARD 604036-02
	STANDARD 604086-02
	STANDARD 606001-04
	STANDARD 701006-03
	STANDARD 701301-04
	STANDARD 701311-03
	STANDARD 701501-06
	STANDARD 701801-05
	STANDARD 701901-02
	STANDARD 780001-03
	STANDARD BLR 10-6
	STANDARD BLR 21-9
	STANDARD BLR 22-7

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

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



SECTION 10-00054-00-PV BEGINS STA. 1+08.73

FLORA, ILLINOIS

NET LENGTH SECTION 10-00054-00-PV = 2648.33 FEET = 0.502 MILE

CONTRACT NO. 95672

URBAN COLLECTOR
ADT = 2075
DESIGN SPEED = 30 M.P.H.

Tom A. Charleston
Ill. Reg. Prof. Eng. # 29673
1-9-2012
Lic. Expires 11/30/13

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 1-9 2012
Bob D'Arco
MAYOR - CITY OF FLORA

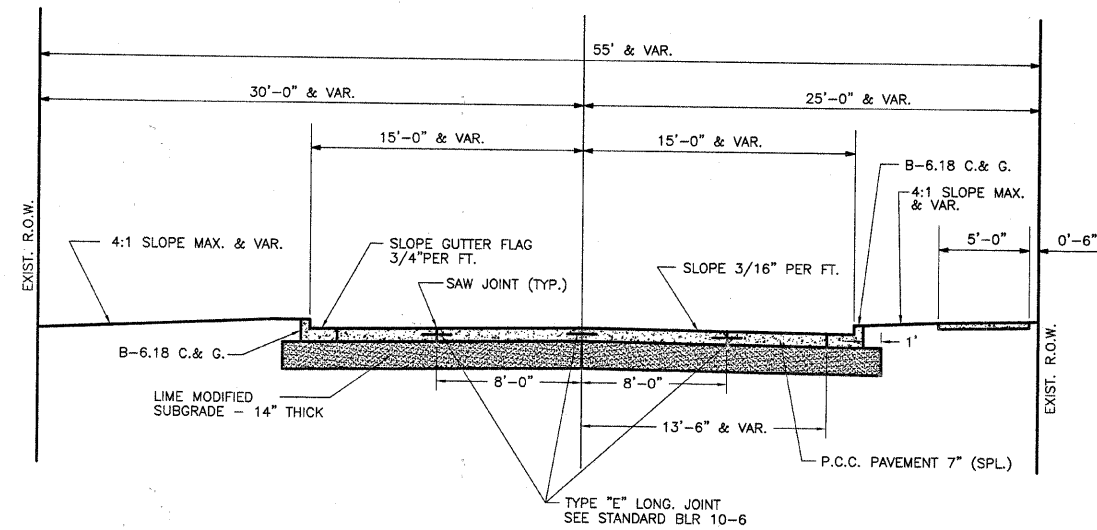
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PASSED 1-19 2012
Maureen Koval
DISTRICT SEVEN ENGINEER OF
LOCAL ROADS AND STREETS

Releasing For
Bid Based on
Limited Review

1-19 2012
Kevin R. Orndorff
DEPUTY DIRECTOR OF HIGHWAYS
REGION FOUR ENGINEER

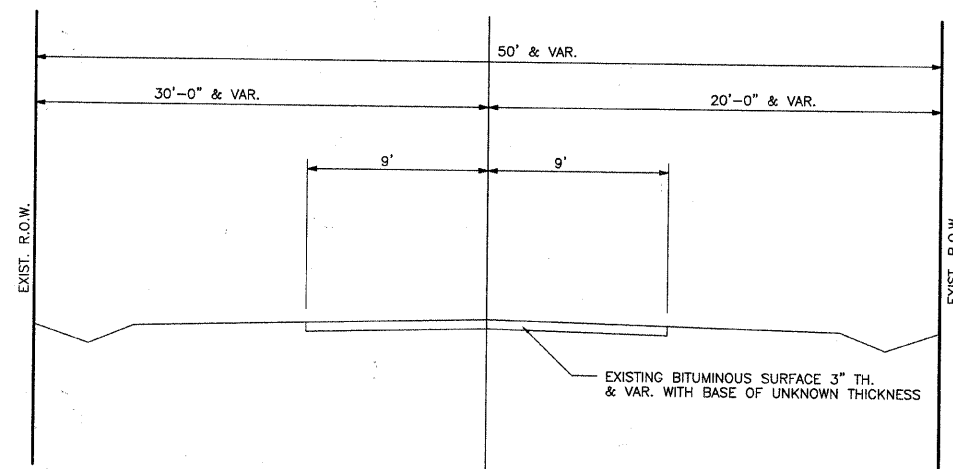
ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8526	10-00054-00-PV	FLORA	34	2
CONTRACT NO. 95672		ILLINOIS	PROJECT M-5023(011)	



TRANSVERSE CONTRACTION JOINT SPACING SHALL BE AT 12.5 FEET

PROPOSED TYPICAL CROSS SECTION

STA. 1+08.73 TO 27+57.06



EXISTING TYPICAL CROSS SECTION

GENERAL NOTES

1. THE CONTRACTOR SHALL CONTACT J.U.L.I.E. BEFORE INSTALLING ANY TRAFFIC CONTROL SIGNS.
2. EXCEPT FOR TREE REMOVAL, ALL OTHER CLEARING AND GRUBBING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR EARTH EXCAVATION.
3. THE BARS SHALL BE PLACED BETWEEN THE CURB AND GUTTER AND ALL CONCRETE PAVEMENT AND CONCRETE DRIVEWAYS. SEE SHEET 3 AND 12 FOR DETAILS.
4. ALL EXISTING SIGNS REQUIRING RELOCATION SHALL BE STORED AND REINSTALLED BY THE CONTRACTOR
5. NO PAYMENT FOR OVERHAUL WILL BE MADE ON THIS SECTION

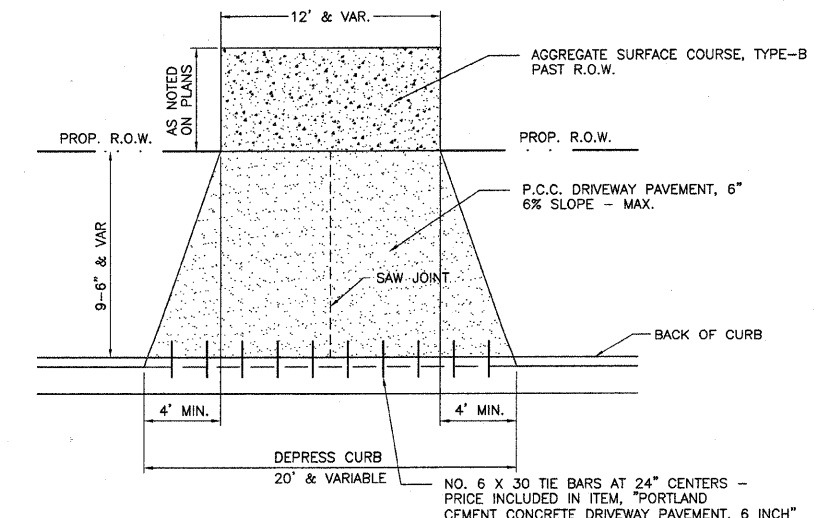
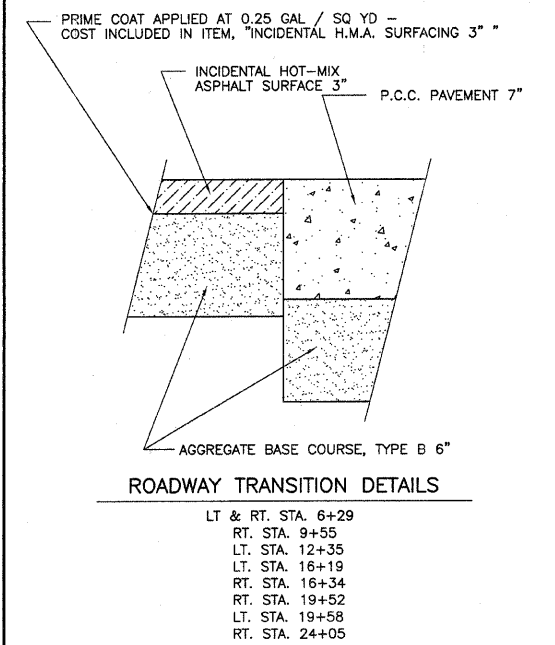
PAVEMENT DESIGN DATA

ADT = 2075 CLASS II
P = 2005
SU = 60
MU = 10
IBR = 3.0
T.F. = 0.50
URBAN COLLECTOR
PAVEMENT TYPE: P.C.C. PAVEMENT, 7" THICK
SUBGRADE TYPE: LIME MODIFIED SUBGRADE, 14" THICK

SUMMARY OF QUANTITIES				SUMMARY OF QUANTITIES				SUMMARY OF QUANTITIES																																																						
ITEM	UNIT	QUANT.		ITEM	UNIT	QUANT.	ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.																																																			
							F.A.U. 8526	10-00054-00-PV	FLORA	34	3																																																			
							CONTRACT NO. 95672 ILLINOIS PROJECT M-5023(011)																																																							
20200100	EARTH EXCAVATION	CU.YD.	2735	60500060	REMOVING INLETS	EACH	5	<table border="1"> <thead> <tr> <th>ITEM</th> <th>UNIT</th> <th>QUANT.</th> </tr> </thead> <tbody> <tr> <td>Z0051398</td> <td>REMOVE EXISTING SIGN POST</td> <td>EACH</td> <td>1</td> </tr> <tr> <td>Z0051400</td> <td>REMOVING AND RESETTING POSTS</td> <td>EACH</td> <td>16</td> </tr> <tr> <td>Z0051500</td> <td>REMOVING AND RESETTING STREET SIGNS</td> <td>EACH</td> <td>8</td> </tr> <tr> <td>Z0056604</td> <td>STORM SEWER (WATER MAIN REQUIREMENTS) 8 INCH</td> <td>FOOT</td> <td>15</td> </tr> <tr> <td>Z0056608</td> <td>STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH</td> <td>FOOT</td> <td>199</td> </tr> <tr> <td>Z0056610</td> <td>STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH</td> <td>FOOT</td> <td>23</td> </tr> <tr> <td>Z0056620</td> <td>STORM SEWER (WATER MAIN REQUIREMENTS) 30 INCH</td> <td>FOOT</td> <td>39</td> </tr> <tr> <td>Z0056622</td> <td>STORM SEWER (WATER MAIN REQUIREMENTS) 36 INCH</td> <td>FOOT</td> <td>21</td> </tr> <tr> <td>ΔZ0056700</td> <td>SANITARY SEWER 4"</td> <td>FOOT</td> <td>61</td> </tr> <tr> <td>ΔZ0056900</td> <td>SANITARY SEWER 8"</td> <td>FOOT</td> <td>60</td> </tr> <tr> <td>ΔZ0058100</td> <td>SANITARY SEWER, TYPE 1 4"</td> <td>FOOT</td> <td>63</td> </tr> <tr> <td>Z0075425</td> <td>TIE-DOWN DEVICES</td> <td>EACH</td> <td>63</td> </tr> </tbody> </table> <p style="text-align: center;">Δ SPECIALTY ITEMS</p>				ITEM	UNIT	QUANT.	Z0051398	REMOVE EXISTING SIGN POST	EACH	1	Z0051400	REMOVING AND RESETTING POSTS	EACH	16	Z0051500	REMOVING AND RESETTING STREET SIGNS	EACH	8	Z0056604	STORM SEWER (WATER MAIN REQUIREMENTS) 8 INCH	FOOT	15	Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	199	Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	23	Z0056620	STORM SEWER (WATER MAIN REQUIREMENTS) 30 INCH	FOOT	39	Z0056622	STORM SEWER (WATER MAIN REQUIREMENTS) 36 INCH	FOOT	21	ΔZ0056700	SANITARY SEWER 4"	FOOT	61	ΔZ0056900	SANITARY SEWER 8"	FOOT	60	ΔZ0058100	SANITARY SEWER, TYPE 1 4"	FOOT	63	Z0075425	TIE-DOWN DEVICES	EACH	63
ITEM	UNIT	QUANT.																																																												
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Z0075425	TIE-DOWN DEVICES	EACH	63																																																											
20800150	TRENCH BACKFILL	CU.YD.	1420	60500080	REMOVING CATCH BASINS TO MAINTAIN FLOW	EACH	1																																																							
21101610	TOPSOIL FURNISH AND PLACE, 3"	SQ YD	400	60500090	REMOVING INLETS TO MAINTAIN FLOW	EACH	2																																																							
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	800	60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	48																																																							
28000305	TEMPORARY DITCH CHECKS	FOOT	38	67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	8																																																							
28000500	INLET AND PIPE PROTECTION	EACH	47	67100100	MOBILIZATION	L SUM	1																																																							
30200750	PROCESSING MODIFIED SOIL 14"	SQ.YD.	9956	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1																																																							
30201500	LIME	TON	342	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	680																																																							
35101400	AGGREGATE BASE COURSE, TYPE B	TON	532	78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	454																																																							
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	294	78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	295																																																							
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	40	78300100	PAVEMENT MARKING REMOVAL	SQ FT	30																																																							
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	69	LR420125	PORTLAND CEMENT CONCRETE PAVEMENT 7" (SPECIAL) WITH INTEGRAL CURB	SQ.YD.	10612																																																							
42000800	HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT 7"	SQ.YD.	75	X0322881	TREE TRIMMING	EACH	8																																																							
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ.YD.	816	X0323389	STORM SEWER CONNECTION	EACH	1																																																							
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	12110	ΔX0324769	SANITARY SEWER LIFT STATION	L SUM	1																																																							
42400800	DETECTABLE WARNINGS	SQ FT	214	X0325323	MANHOLES, TYPE A, SANITARY, 4' - DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1																																																							
44000100	PAVEMENT REMOVAL	SQ.YD.	6860	ΔX0326713	SANITARY SEWER CONNECTION	EACH	1																																																							
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ.YD.	372	X0327301	RELOCATE EXISTING MAILBOX	EACH	1																																																							
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	286	X2500900	SEEDING, CLASS 1 (SPECIAL)	ACRE	1.2																																																							
44000600	SIDEWALK REMOVAL	SQ FT	504	ΔX5610706	WATER MAIN REMOVAL, 6"	FOOT	144																																																							
44004000	PAVED DITCH REMOVAL	FOOT	16	X6020074	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	EACH	2																																																							
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	X6020075	INLETS, TYPE B, TYPE 3V FRAME AND GRATE	EACH	1																																																							
50105220	PIPE CULVERT REMOVAL	FOOT	1303	X6022930	MANHOLES, TYPE A, 5'-DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH	1																																																							
54248510	CONCRETE COLLAR	CU YD	1.5	X6024242	INLETS, SPECIAL, NO. 1	EACH	3																																																							
550B0030	STORM SEWERS, CLASS B, TYPE 1 8"	FOOT	160	X6024244	INLETS, SPECIAL, NO. 2	EACH	1																																																							
550B0050	STORM SEWERS, CLASS B, TYPE 1 12"	FOOT	1465	X6024246	INLETS, SPECIAL, NO. 3	EACH	13																																																							
550B0070	STORM SEWERS, CLASS B, TYPE 1 15"	FOOT	492	X6024248	INLETS, SPECIAL, NO. 4	EACH	1																																																							
550B0090	STORM SEWERS, CLASS B, TYPE 1 18"	FOOT	7	X6024250	INLETS, SPECIAL, NO. 5	EACH	7																																																							
550B0120	STORM SEWERS, CLASS B, TYPE 1 24"	FOOT	231	X6024252	INLETS, SPECIAL, NO. 6	EACH	1																																																							
550B0140	STORM SEWERS, CLASS B, TYPE 1 30"	FOOT	317	ΔX6026054	SANITARY MANHOLES TO BE REMOVED	EACH	1																																																							
550B0160	STORM SEWERS, CLASS B, TYPE 1 36"	FOOT	1273	ΔX6026055	SANITARY MANHOLE, SPECIAL	EACH	1																																																							
55100700	STORM SEWER REMOVAL 15"	FOOT	617	X6029000	JUNCTION BOX	L SUM	1																																																							
55100900	STORM SEWER REMOVAL 18"	FOOT	51	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1																																																							
55101200	STORM SEWER REMOVAL 24"	FOOT	2	XX005239	PIPE TEE, 15" PIPE WITH 12" RISER	EACH	6																																																							
55101400	STORM SEWER REMOVAL 30"	FOOT	1	XX007267	PIPE TEE, 12" PIPE WITH 12" RISER	EACH	1																																																							
55101500	STORM SEWER REMOVAL 33"	FOOT	1	XX007269	PIPE TEE, 24" PIPE WITH 12" RISER	EACH	4																																																							
Δ56300100	ADJUSTING SANITARY SEWERS, 8-INCH DIAMETER OR LESS	FOOT	80	xx008647	PIPE TEE, 24" PIPE WITH 15" RISER	EACH	1																																																							
56500400	DOMESTIC METER VAULTS TO BE REMOVED	EACH	16	xx008648	PIPE TEE, 30" PIPE WITH 12" RISER	EACH	6																																																							
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	93	XX008649	PIPE TEE, 30" PIPE WITH 15" RISER	EACH	1																																																							
60100905	PIPE DRAINS 4"	FOOT	5	xx008650	PIPE TEE, 36" PIPE WITH 12" RISER	EACH	25																																																							
60219570	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3V FRAME AND GRATE	EACH	1	xx008651	PIPE TEE, 36" PIPE WITH 18" RISER	EACH	1																																																							
60221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	5	XX008652	PIPE TEE, 30" PIPE WITH 12" RISER, W.M.Q.	EACH	2																																																							
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	4	xx008653	PIPE TEE, 36" PIPE WITH 12" RISER, W.M.Q.	EACH	1																																																							
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	19	ΔXX007759	ADJUST SANITARY SEWER CLEANOUT	EACH	7																																																							
60237460	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	EACH	68	Z0001110	GAS VALVE TO BE ADJUSTED	EACH	6																																																							
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	1	Z0022800	FENCE REMOVAL	FOOT	119																																																							
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	1																																																											
60255500	MANHOLES TO BE ADJUSTED	EACH	1																																																											
60260100	INLETS TO BE ADJUSTED	EACH	1																																																											
60266600	VALVE BOXES TO BE ADJUSTED	EACH	17																																																											

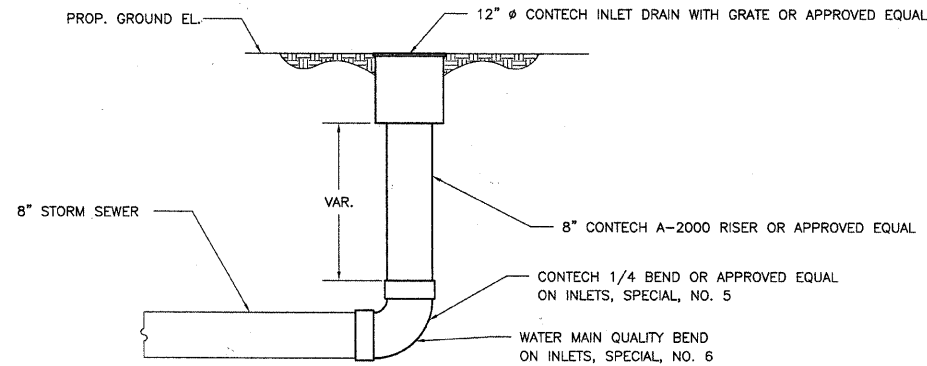
EXCAVATION AND EMBANKMENT

ITEM	CU.YD.
EXCAVATION	2390
ROADWAY EXCAVATION	100
SIDEWALK EXCAVATION	135
DRIVEWAY EXCAVATION	110
SIDEWALK EXCAVATION	110
TOTAL	2735
OTHER SOURCES OF EARTH FROM TRENCHES FROM STORM SEWER	1420
TOTAL	2005
EMBANKMENT ROADWAY	335
TOTAL	335



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

ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8526	10-00054-00-PV	FLORA	34	5
CONTRACT NO. 95672		ILLINOIS	PROJECT M-5023(011)	



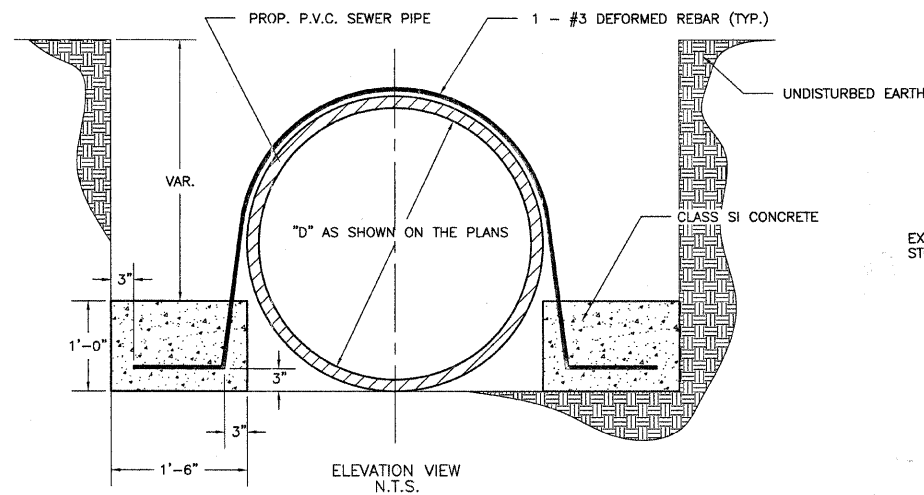
INLETS, SPECIAL, NO. 5

INLETS, SPECIAL, NO. 6

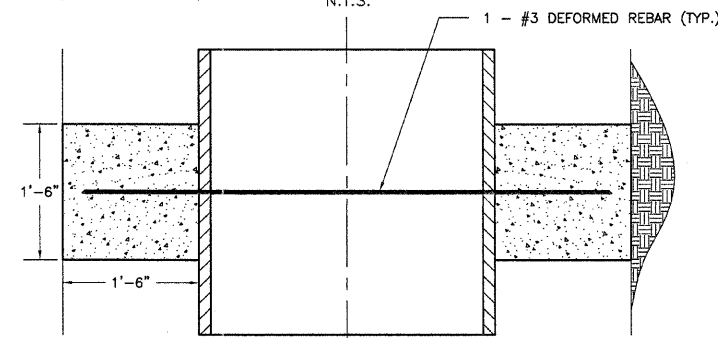
RT. STA. 7+00
RT. STA. 10+50
RT. STA. 15+95
RT. STA. 16+70
RT. STA. 18+15
RT. STA. 23+68
RT. STA. 25+75

RT. STA. 14+76

NOTE: RISER PIPE LENGTHS INCLUDED IN ITEMS "INLETS, SPECIAL, NO. 5 & 6"



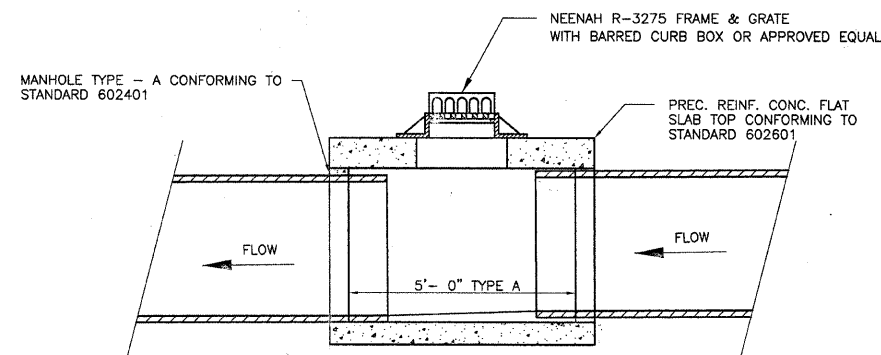
ELEVATION VIEW N.T.S.



PLAN VIEW N.T.S.

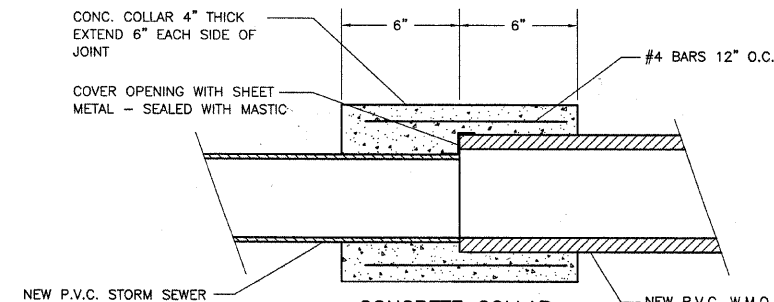
TIE-DOWN DEVICES

LT. STA. 0+85
LT. STA. 0+94
LT. STA. 1+02
LOCATED EVERY 15' O.C. AT THE FOLLOWING LOCATIONS:
LT. STA. 2+22 TO 2+97 LT. STA. 10+43 TO 10+58
LT. STA. 3+65 TO 4+15 LT. STA. 10+91 TO 11+06
LT. STA. 4+50 TO 4+80 LT. STA. 11+54 TO 11+99
LT. STA. 5+22 TO 5+97 LT. STA. 14+22 TO 14+52
LT. STA. 7+16 TO 7+91 LT. STA. 15+50 TO 15+95
LT. STA. 9+62 TO 10+07 LT. STA. 16+56 TO 18+06



MANHOLES, TYPE A, 5'-DIAMETER, WITH SPECIAL FRAME AND GRATE

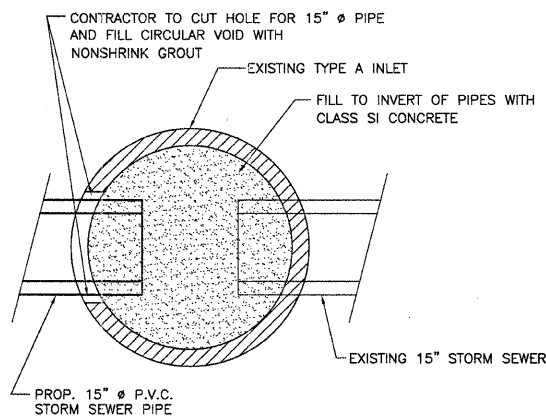
LT. STA. 1+46



CONCRETE COLLAR

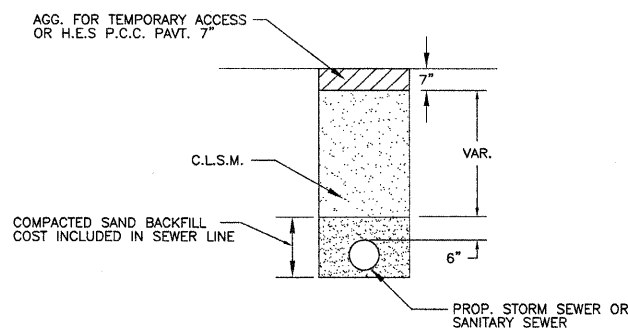
STA. 1+16 - 16' LT. STA. 18+01 - 20' LT.
STA. 1+17 - 18' RT. STA. 21+29 - 20' LT.
STA. 14+57 - 20' LT. STA. 21+50 - 20' LT.
STA. 14+77 - 20' LT. STA. 24+36 - 21' LT.
STA. 17+80 - 20' LT. STA. 24+56 - 21' LT.

NOTE: QUANTITY OF CONCRETE FOR EACH COLLAR LOCATION IS 0.15 CU YD CONCRETE



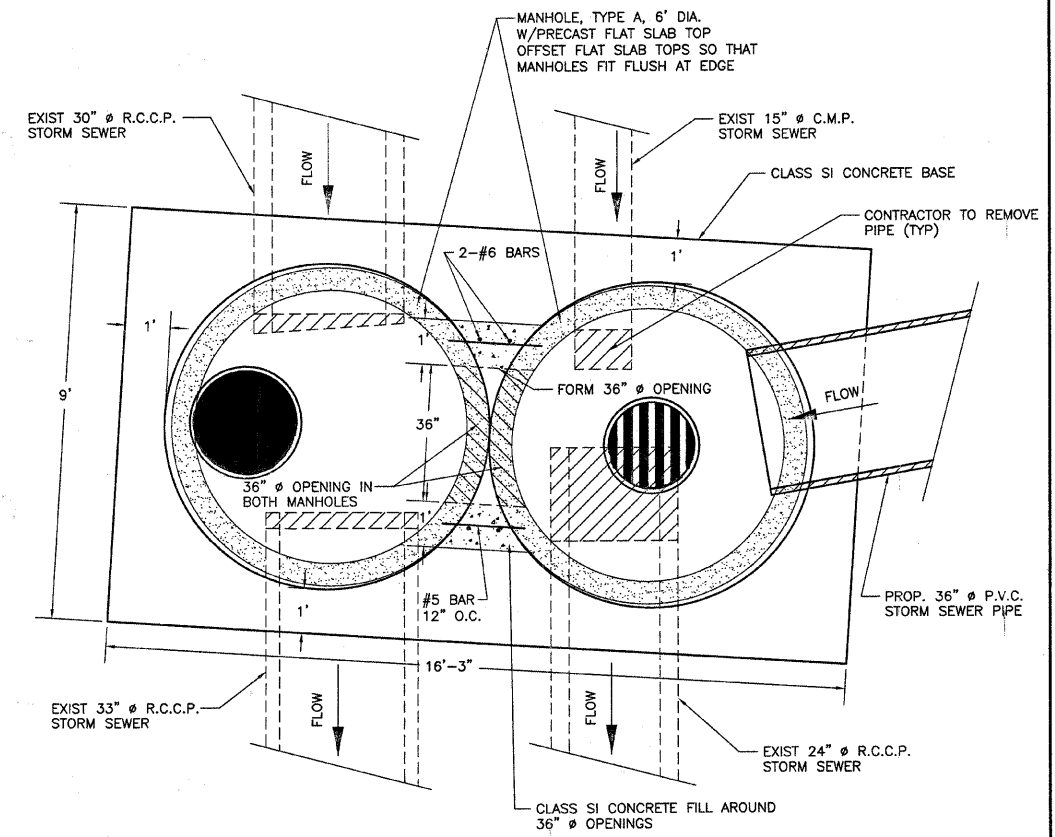
STORM SEWER CONNECTION

LT. STA. 27+38



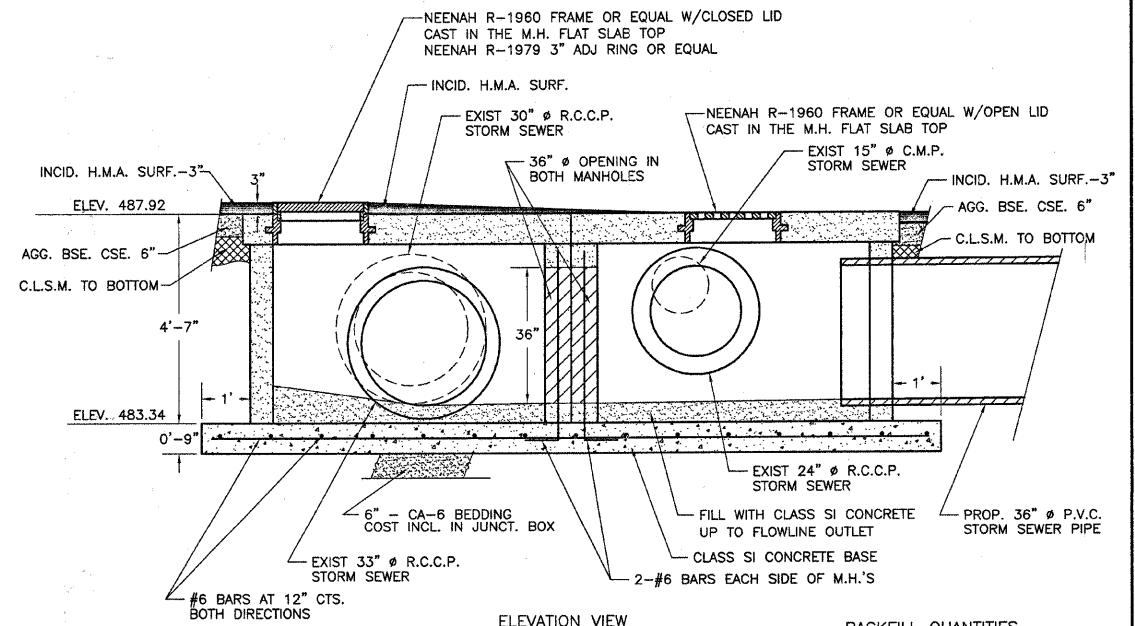
A.R. TRENCH DETAIL

LT. STA. 0+74 TO 0+98 (A.R. SAN. SEW.)
LT. STA. 0+81 TO 1+07 (A.R. ST. SEW.)



PLAN VIEW N.T.S.

1. FIELD DRILL HOLES IN PRECAST MANHOLES FOR THE #5 BARS.



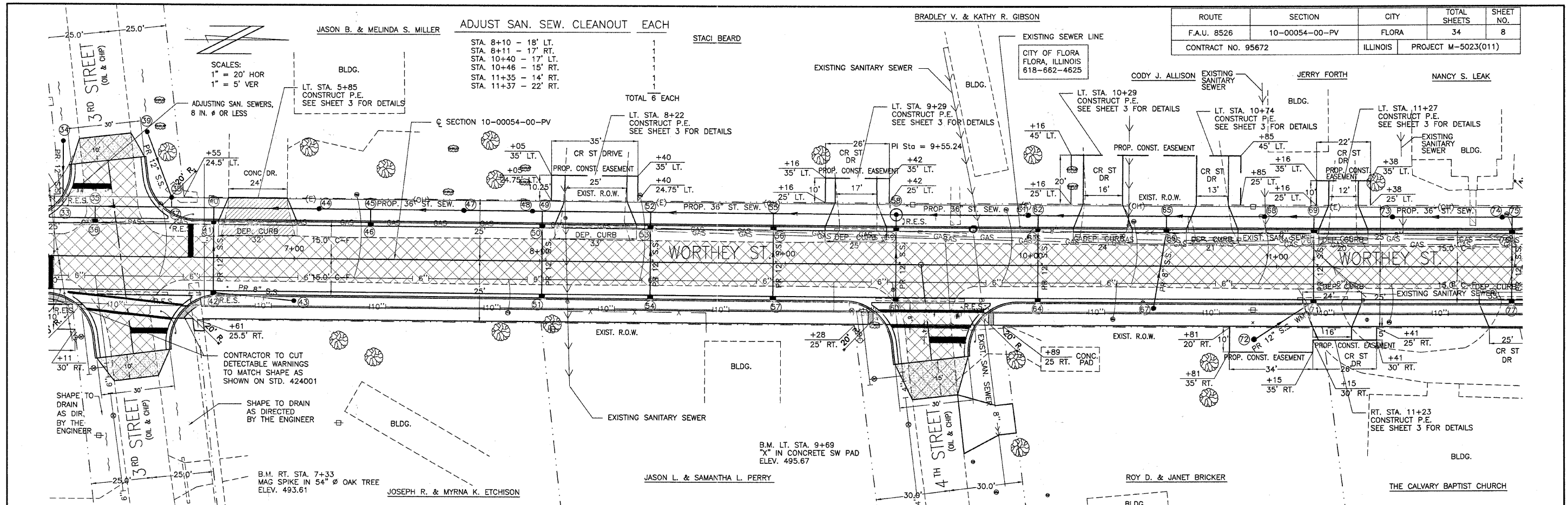
ELEVATION VIEW N.T.S.

1. THE EDGE OF THE EXCAVATION SHALL BE SAW CUT FOR A STRAIGHT CONST. JOINT.

JUNCTION BOX

LT. STA. 0+72

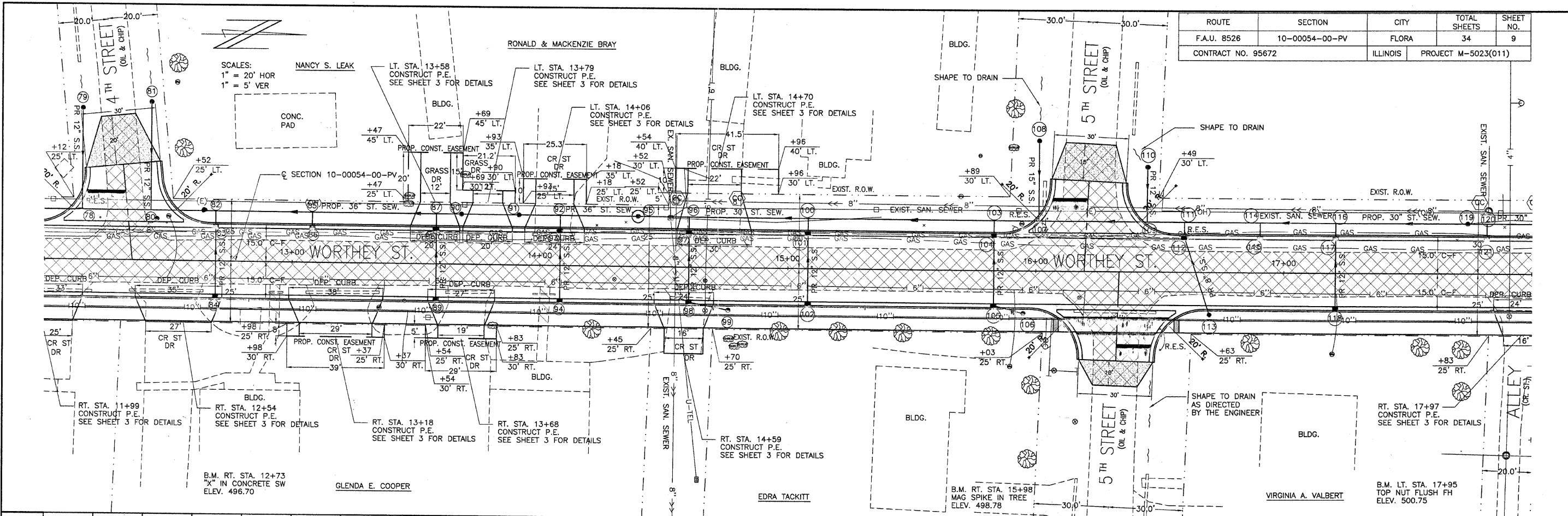
BACKFILL QUANTITIES
INCID. H.M.A. SURF 10 TON
AGG. BSE. CSE. B 10 TON
C.L.S.M. 30 C.Y.
THE BACKFILL ITEMS SHALL BE PAID FOR SEPARATELY AND ARE INCLUDED IN THE SUMMARY OF QUANTITIES.



ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8526	10-00054-00-PV	FLORA	34	8
CONTRACT NO. 95672		ILLINOIS	PROJECT M-5023(011)	

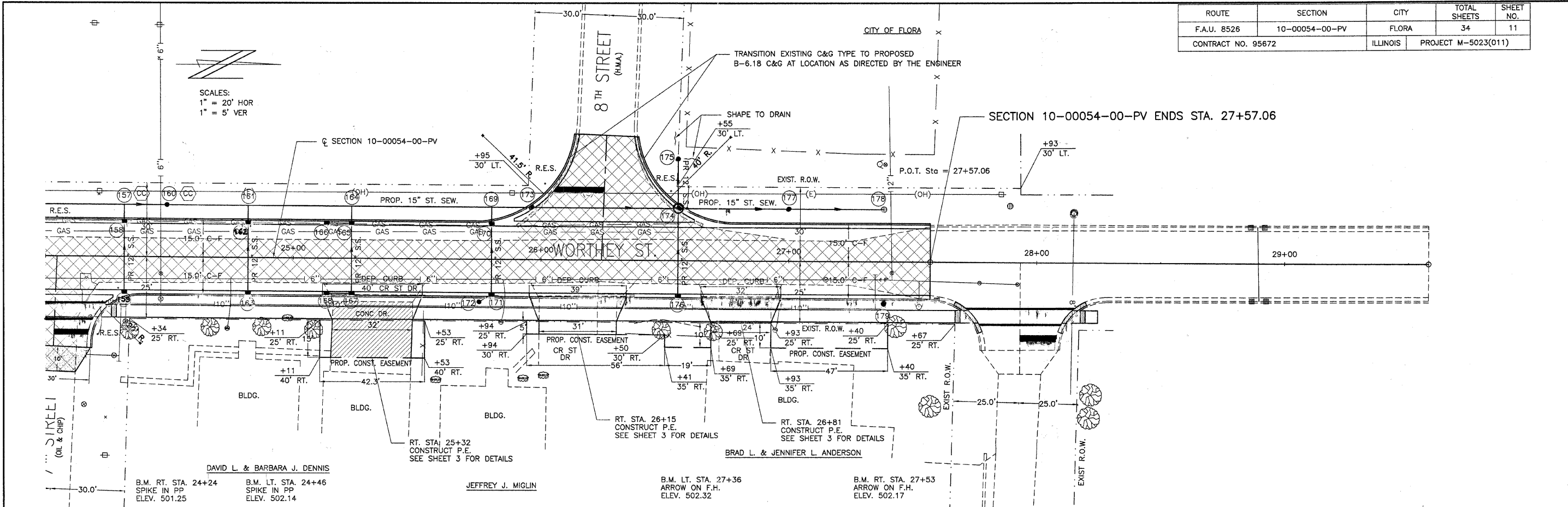
NO.	DESCRIPTION	QUANTITY	UNIT	NO.	DESCRIPTION	QUANTITY	UNIT
510	PIPE CULVERT REMOVAL	FOOT	TR. B'FILL	DOMESTIC METER VAULTS TO BE REM.	EACH	P.C.C. PAVEMENT 7" (SPL.) W/I.C.	SQ. YD.
505	REMOVING EXISTING SIGN POSTS	EACH	REMOVING & RESET POSTS	EACH	P.C.C. DRIVEWAY PAV'T. 6"	SQ. YD.	AGG. SURF. CSE., Y-B
500	REMOVING & RESET STREET SIGNS	EACH	REMOVING & RESET STREET SIGNS	EACH	PAINT PAV'T MARKING LINE 6"	FOOT	PAINT PAV'T MARKING LINE 24"
495	REMOVING & RESET STREET SIGNS	EACH	REMOVING & RESET STREET SIGNS	EACH	VALVE BOXES TO BE ADJUSTED	EACH	ADJ. SAN. SEW., 8-IN DIA. OR LESS
490	PROPOSED 36" ST. SEWER @ 0.50%						
485	ADJUSTING SAN. SEWERS, 8" OR LESS						
480	PAVEMENT REMOVAL	SQ. YD.					
475	DRIVEWAY PAVEMENT REMOVAL	SQ. YD.					
470	FENCE REMOVAL	FOOT					
465							

ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8526	10-00054-00-PV	FLORA	34	9
CONTRACT NO. 95672		ILLINOIS	PROJECT M-5023(011)	



STATION	DESCRIPTION	QUANTITY	UNIT	STATION	DESCRIPTION	QUANTITY	UNIT	STATION	DESCRIPTION	QUANTITY	UNIT	STATION	DESCRIPTION	QUANTITY	UNIT
515	PIPE CULVERT REMOVAL	FOOT			TR. B'FILL				WATER MAIN REMOVAL 6"	FOOT			P.C.C. DRIVEWAY PAV'T. 6"	SQ. YD.	
510	REM. & RESET POSTS	EACH			REM. & RESET STREET SIGNS	EACH			ADJUST SAN. SEW. CLEANOUT	EACH			AGG. SURF. CSE., TY-B	TON	
505	PAINT PAV'T MARKING	FOOT			LIME	TON			EXIST. & PROP. PROFILES				VALVE BOXES TO BE ADJUSTED	EACH	
500	TOTAL 364 FOOT TOTAL 47.5 CU YD														
495	0.50%														
490	PROP. 36" ST. SEWER @ 0.50%														
485	PAVEMENT REMOVAL	SQ. YD.			PROCESSING MODIFIED SOIL, 14"	SQ. YD.			INCID. H.M.A. SURFACING	TON			AGG. BASE CSE., TY-B	TON	
480	SIDEWALK REMOVAL	SQ. FT.			P.C.C. PAVEMENT 7" (SPL.) W/I.C.	SQ. YD.			SEEDING CLASS 1 (SPL.)	ACRE			TREE TRIMMING	TOTAL 45 FOOT EACH	
475	FENCE REMOVAL	FOOT			P.C.C. SIDEWALK 4"	SQ. FT.			GAS VALVE TO BE ADJUSTED	EACH			DETECTABLE WARNINGS	SQ. FT.	
470	TOTAL 37 FT				TOTAL 2870 SQ. FT								TOTAL 20 SQ. FT		

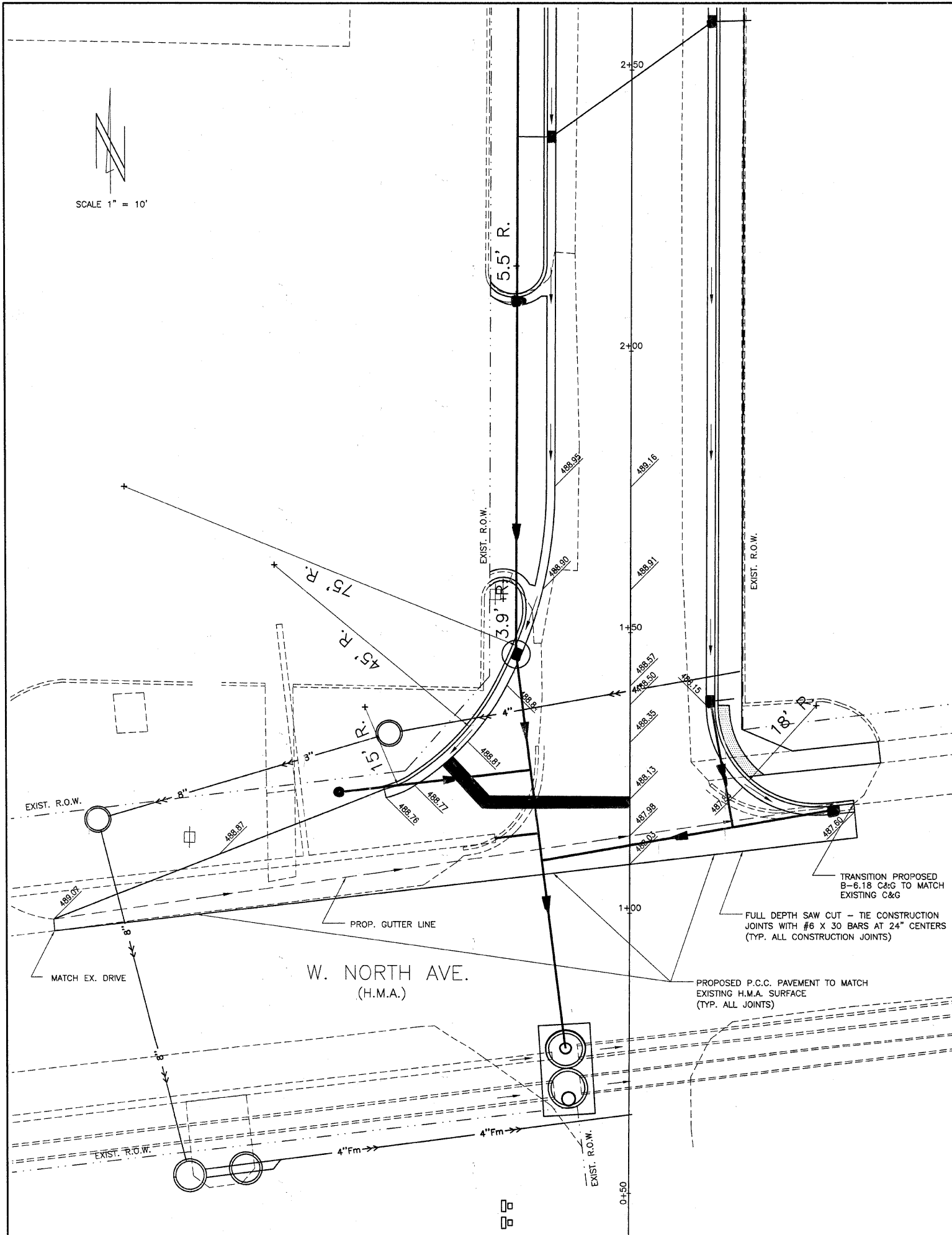
ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8526	10-00054-00-PV	FLORA	34	11
CONTRACT NO. 95672		ILLINOIS	PROJECT M-5023(011)	



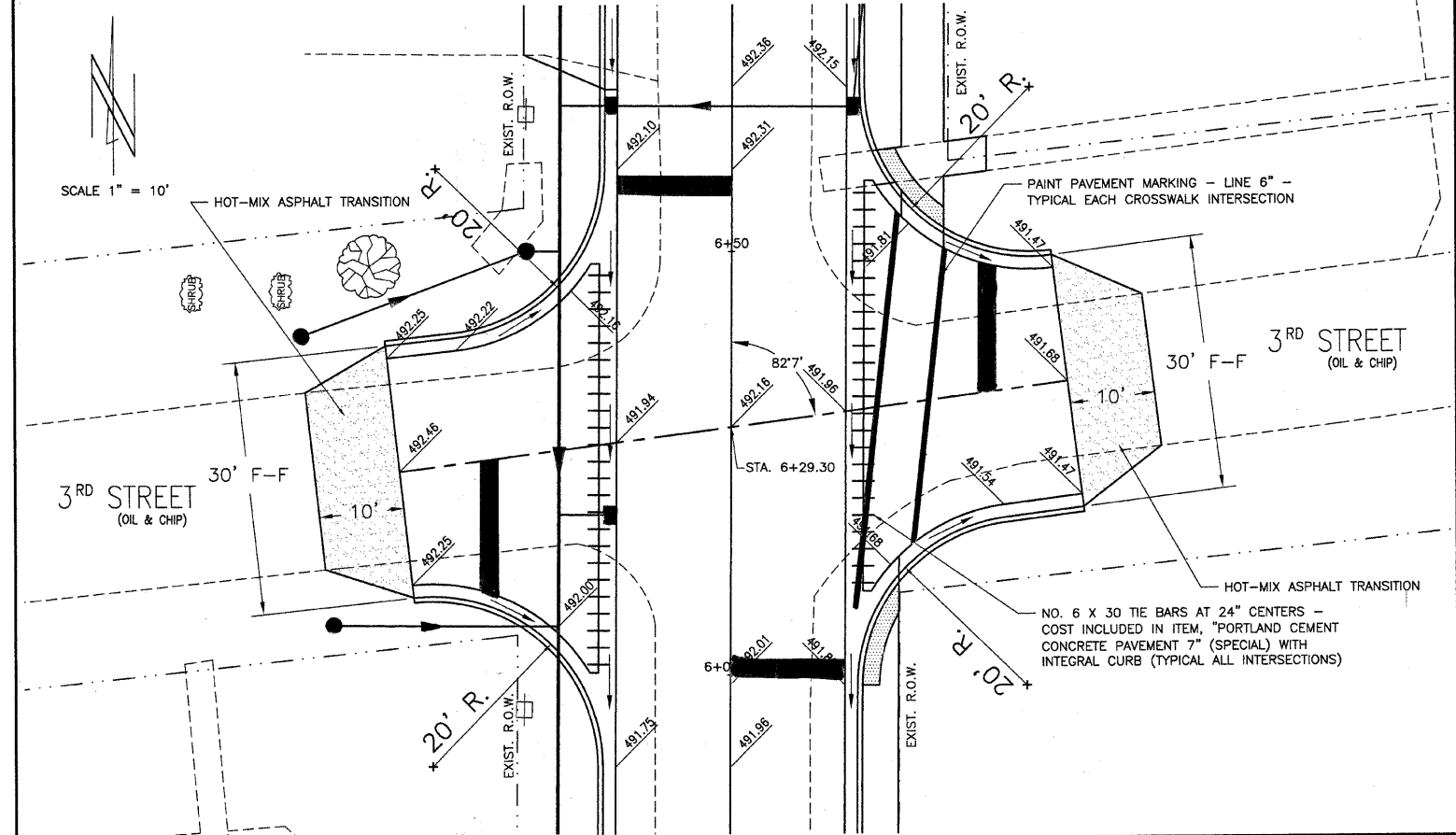
520	PIPE CULVERT REMOVAL	FOOT	TR. B'FILL	COMB. CURB & GUTTER REMOVAL	FOOT	VALVE BOXES TO BE ADJUSTED	EACH	P.C.C. PAVEMENT 7" (SPL.) W/I.C.	SQ. YD.	PAINT PAV'T MARKING LINE 4"	FOOT	520	
	RT. STA. 25+32 RT. STA. 26+15 RT. STA. 26+15 RT. STA. 26+81 RT. STA. 26+81	40 39 39 32 32	5.2 5.1 5.1 4.1 4.1	LT. STA. 25+90 TO 26+14 LT. STA. 26+39 TO 26+65 RT. STA. 27+72 RT. STA. 28+14	45 47 15 15	STA. 24+00 TO 27+57.06	4	STA. 24+00 TO 27+57.06	1463	STA. 24+00 TO 27+57.06	90		
515					TOTAL 122 FOOT	LIME	TON	COMB. CONC. CURB & GUTTER, TYPE 3-6.18	FOOT	PAINT PAV'T MARKING LINE 6"	FOOT	515	
		TOTAL 182 FOOT	TOTAL 23.6 CU YD			STA. 24+00 TO 27+57.06	45		15 15 TOTAL 30 FOOT	RT. STA. 24+00 TO 28+16	120		
510				FENCE REMOVAL	FOOT			P.C.C. DRIVEWAY PAV'T. 6"	SQ. YD.	PAINT PAV'T MARKING LINE 24"	FOOT	510	
				RT. STA. 25+53	4	VPI STA = 27+07.06 VPI EL = 500.87 CURVE LEN = 100.00 K = 110.72		RT. STA. 27+72 RT. STA. 28+14	92 37 30 TOTAL 159 SQ YD	RT. STA. 24+11 LT. STA. 28+16 LT. STA. 28+01	15 20 15 TOTAL 50 FOOT		
505				WATER MAIN REMOVAL, 6"	FOOT					GAS VALVE TO BE ADJUSTED	EACH	505	
				STA. 24+00 TO 27+57.06 TRENCHES	15					LT. STA. 26+59 LT. STA. 26+75	1 1 TOTAL 2 EACH		
500								P.C.C. SIDEWALK 4"	SQ. FT.			500	
495													
490													
485													
480													
475													
	24+00	24+50	25+00	25+50	26+00	26+50	27+00	27+50	28+00	28+50	29+00	29+50	30+00

ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8526	10-00054-00-PV	FLORA	34	12
CONTRACT NO. 95672		ILLINOIS	PROJECT M-5023(011)	

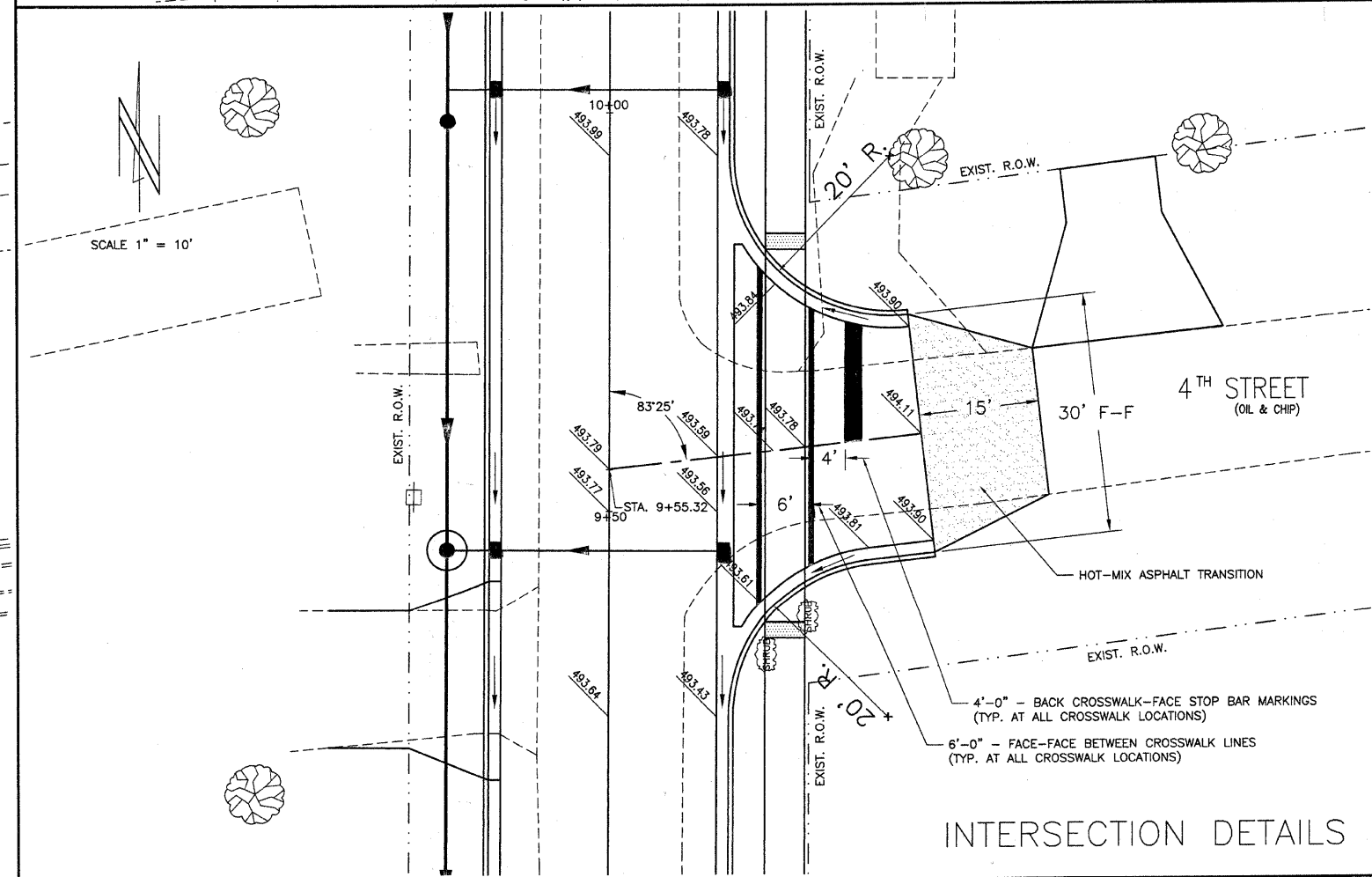
SCALE 1" = 10'



SCALE 1" = 10'

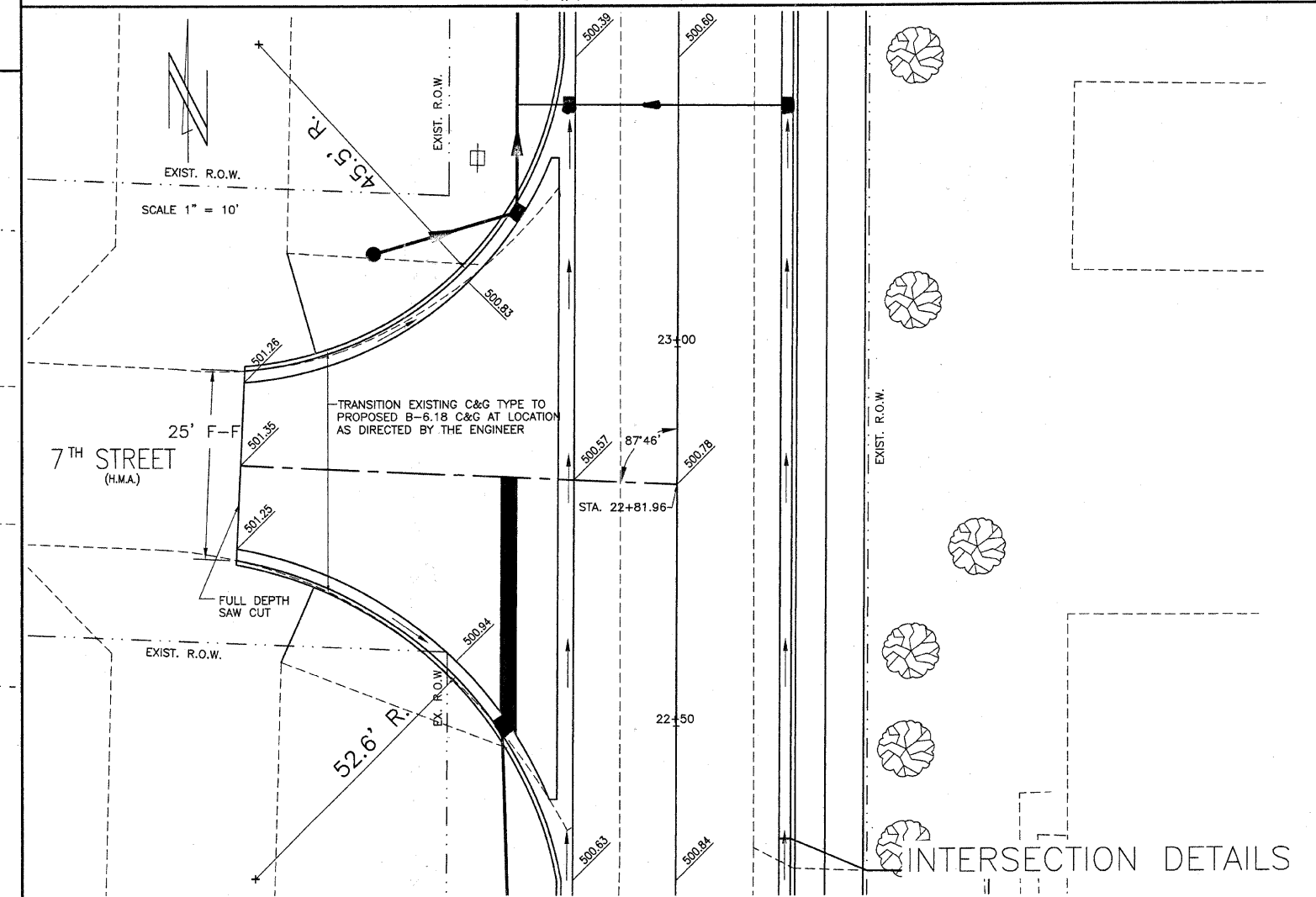
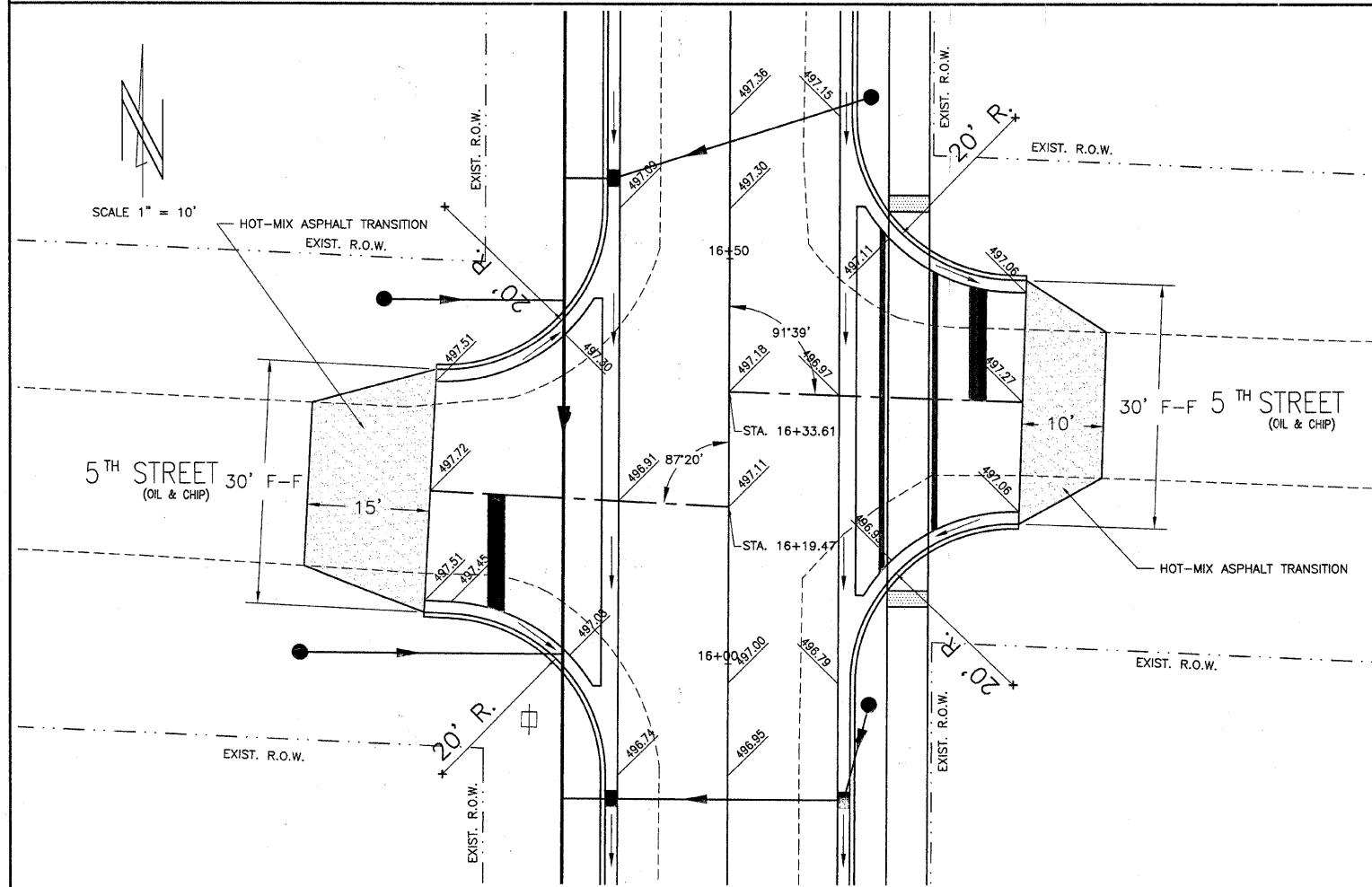
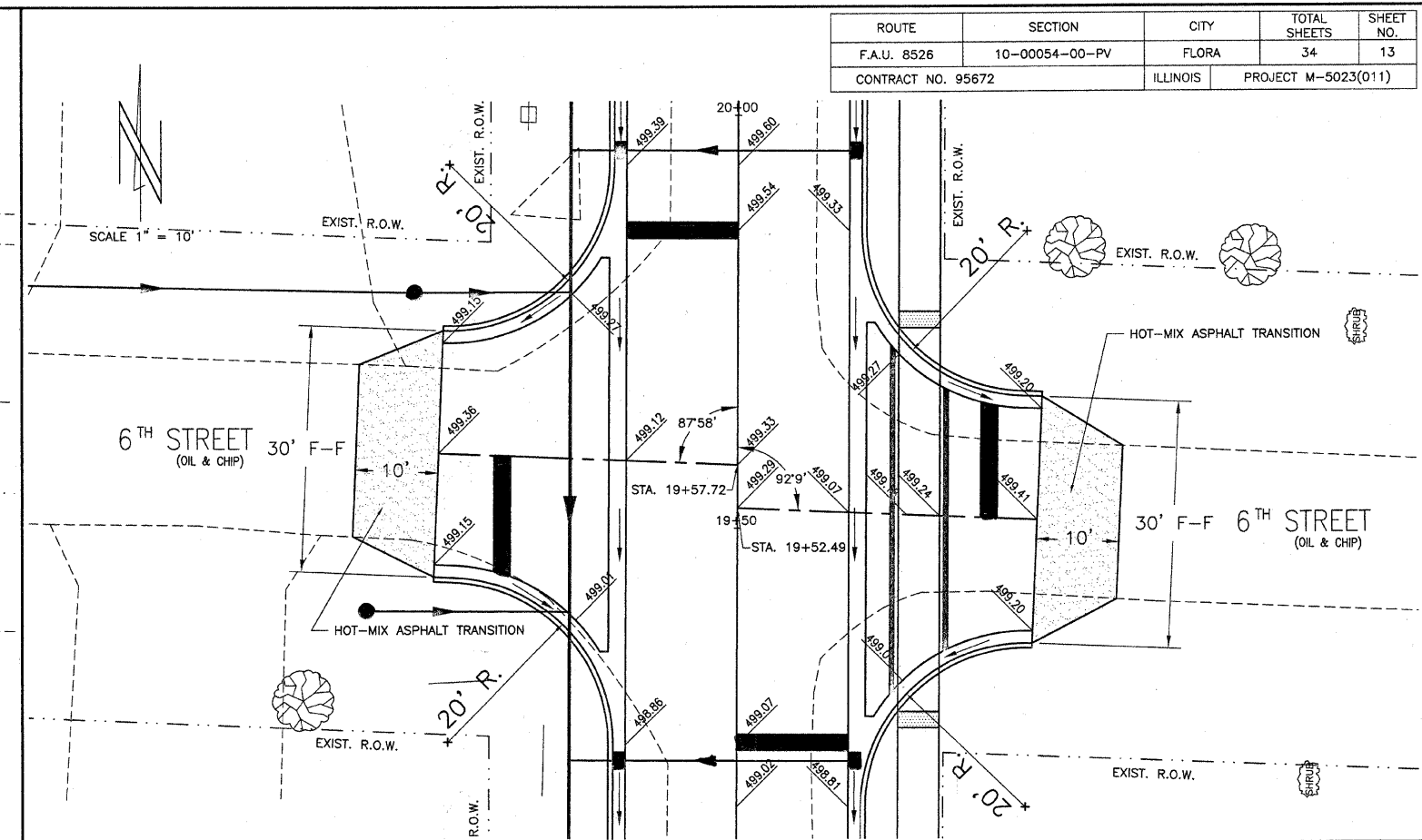
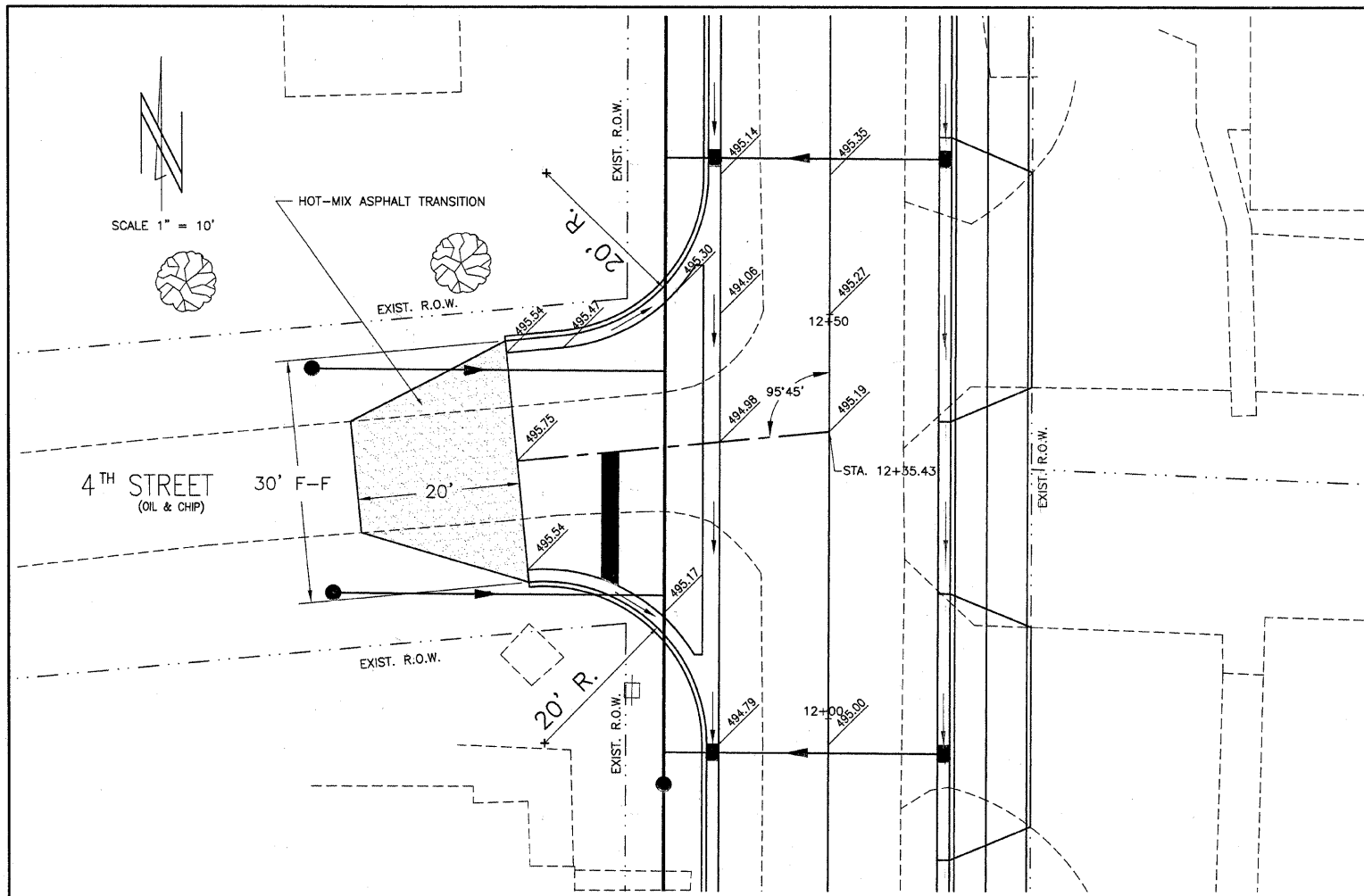


SCALE 1" = 10'

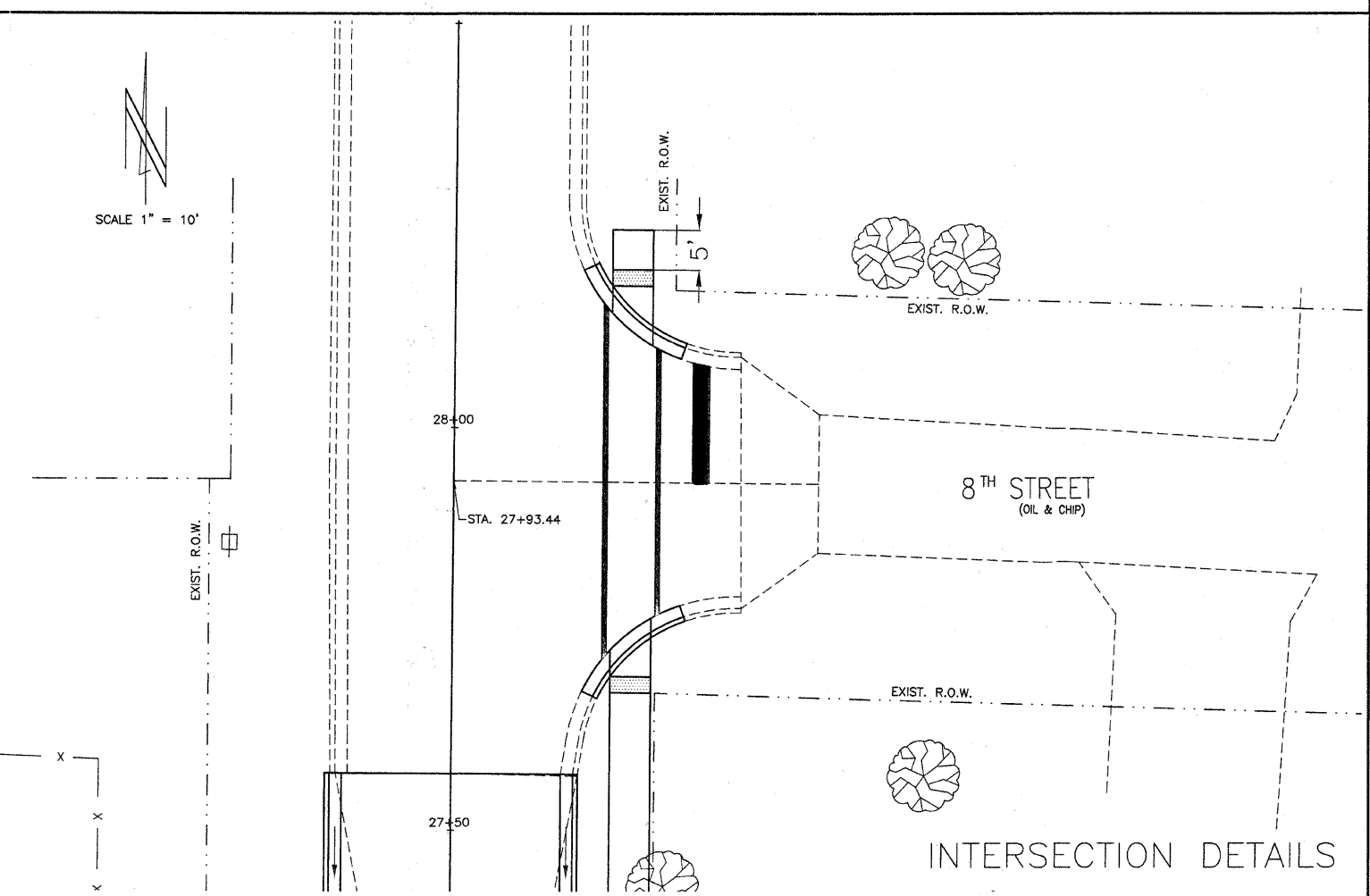
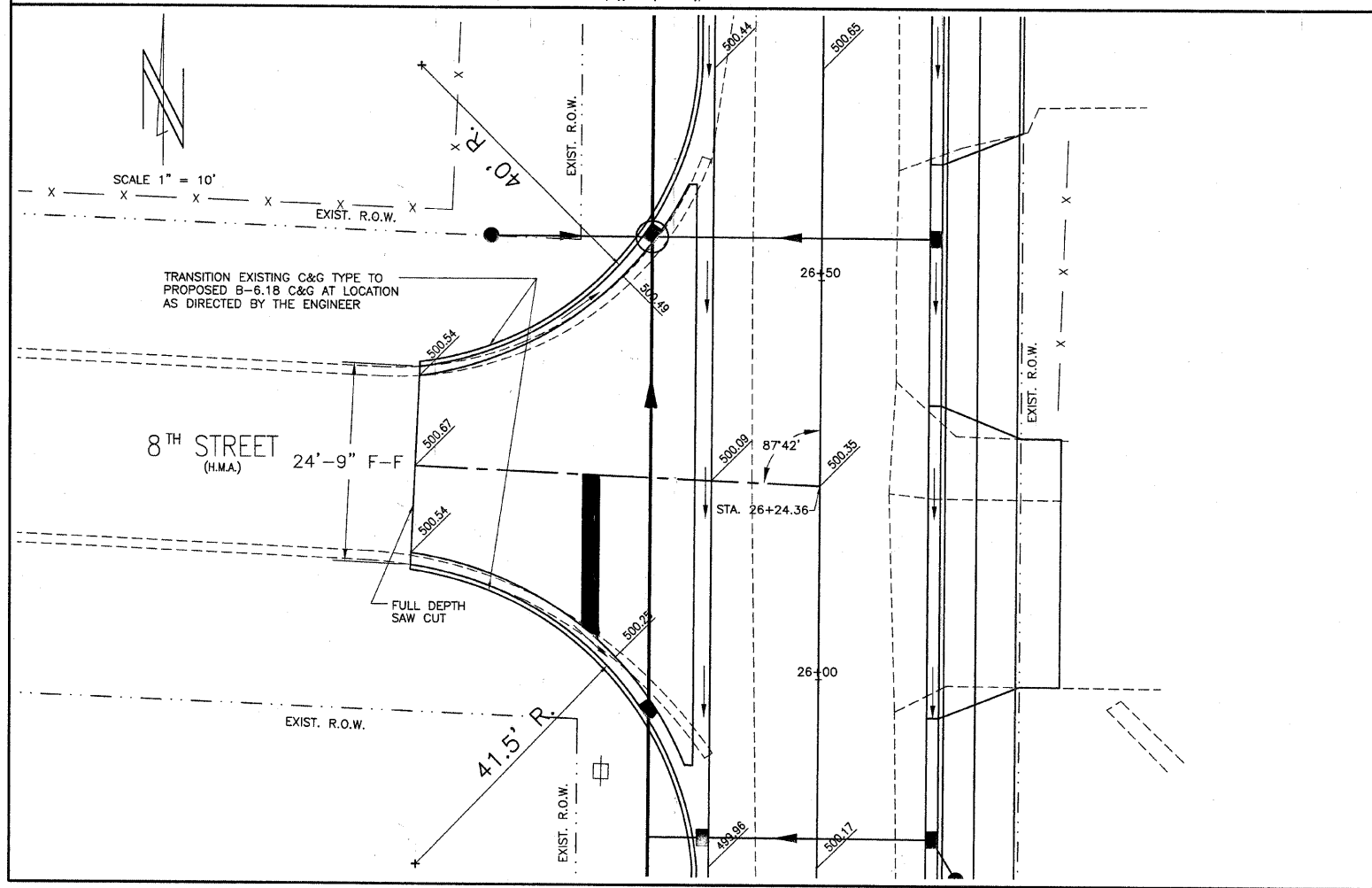
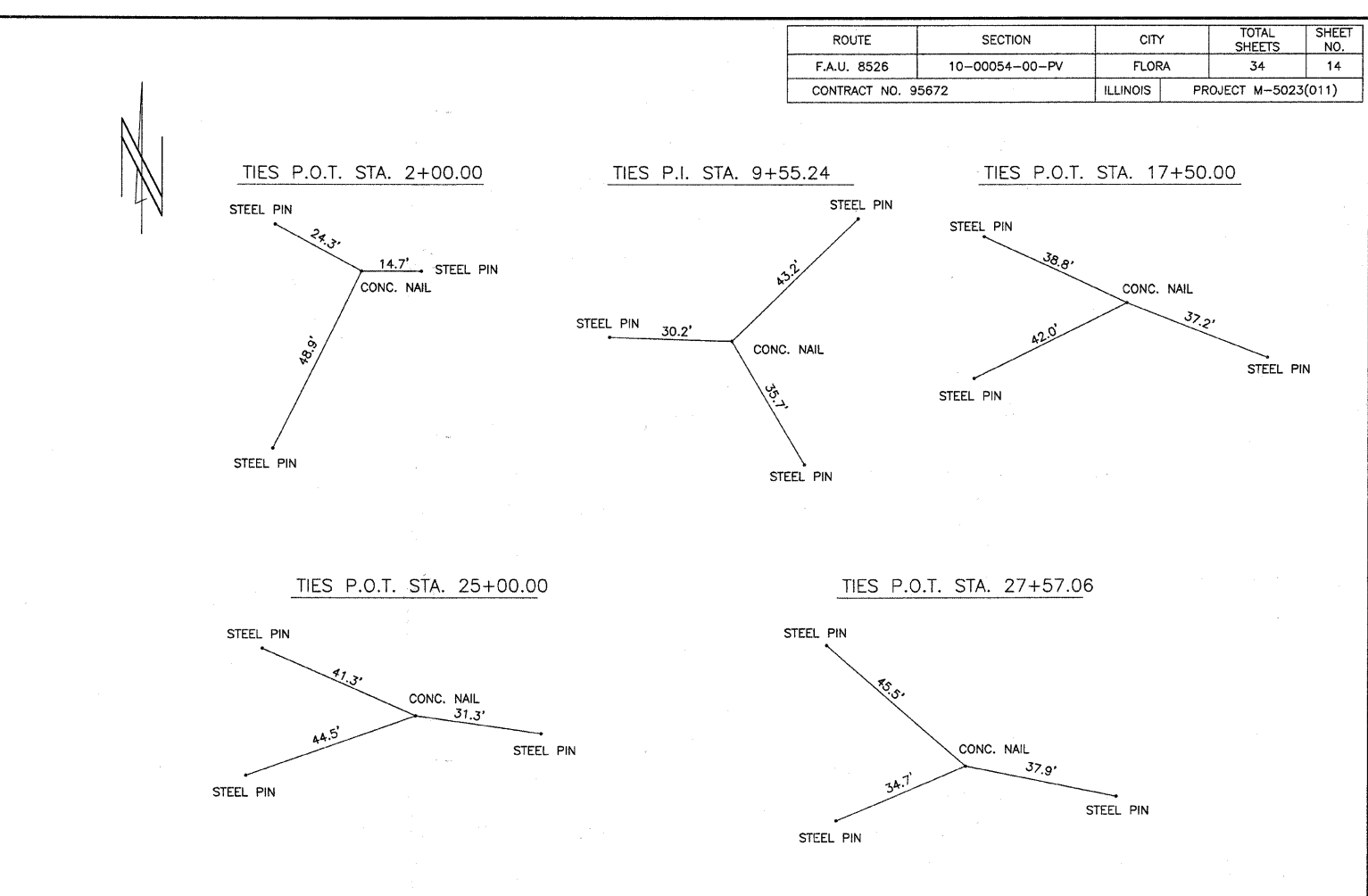
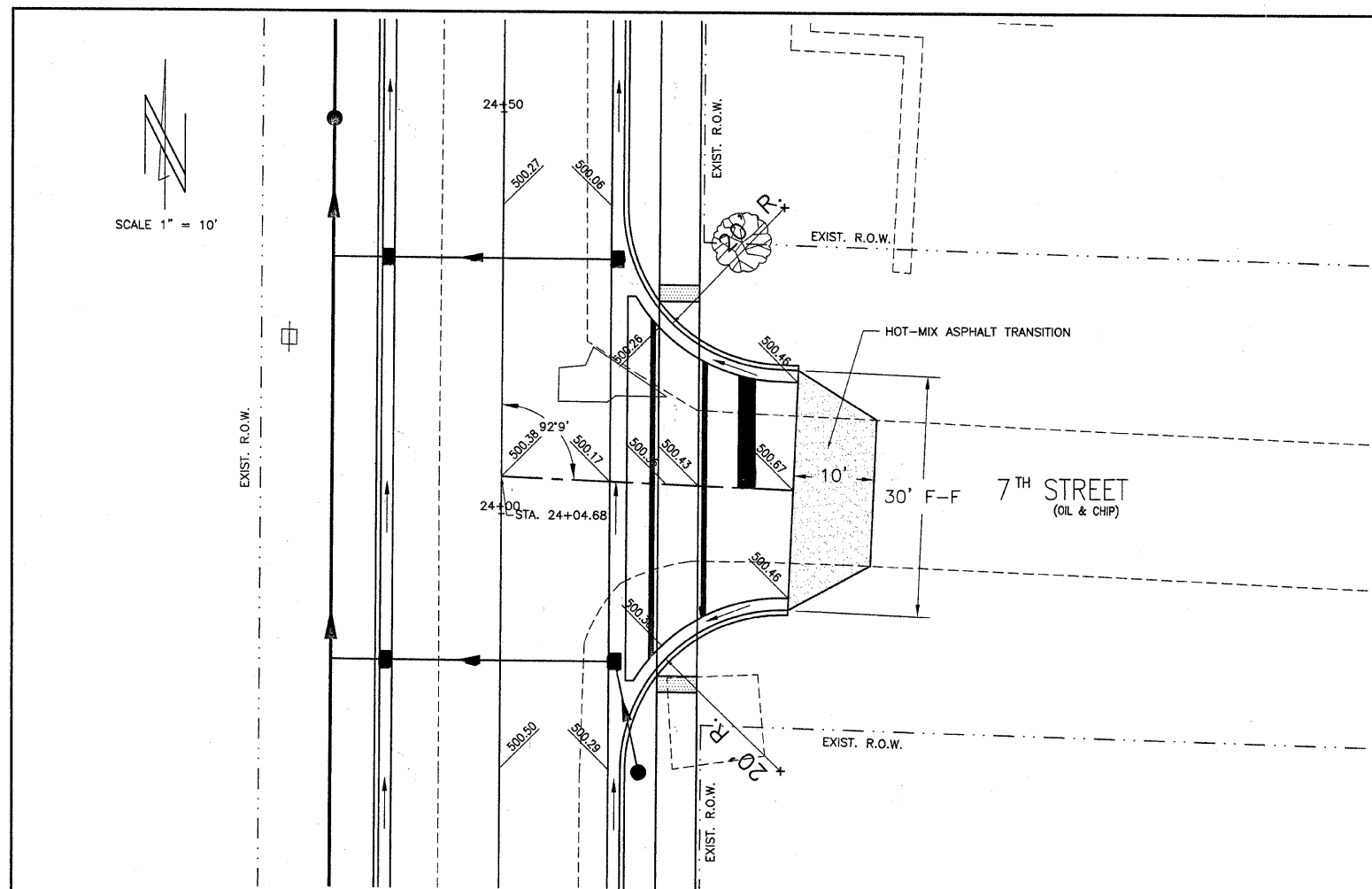


INTERSECTION DETAILS

ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8526	10-00054-00-PV	FLORA	34	13
CONTRACT NO. 95672		ILLINOIS	PROJECT M-5023(011)	

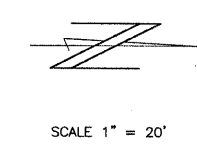


ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8526	10-00054-00-PV	FLORA	34	14
CONTRACT NO. 95672		ILLINOIS	PROJECT M-5023(011)	



INTERSECTION DETAILS

ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8526	10-00054-00-PV	FLORA	34	15
CONTRACT NO. 95672		ILLINOIS	PROJECT M-5023(011)	

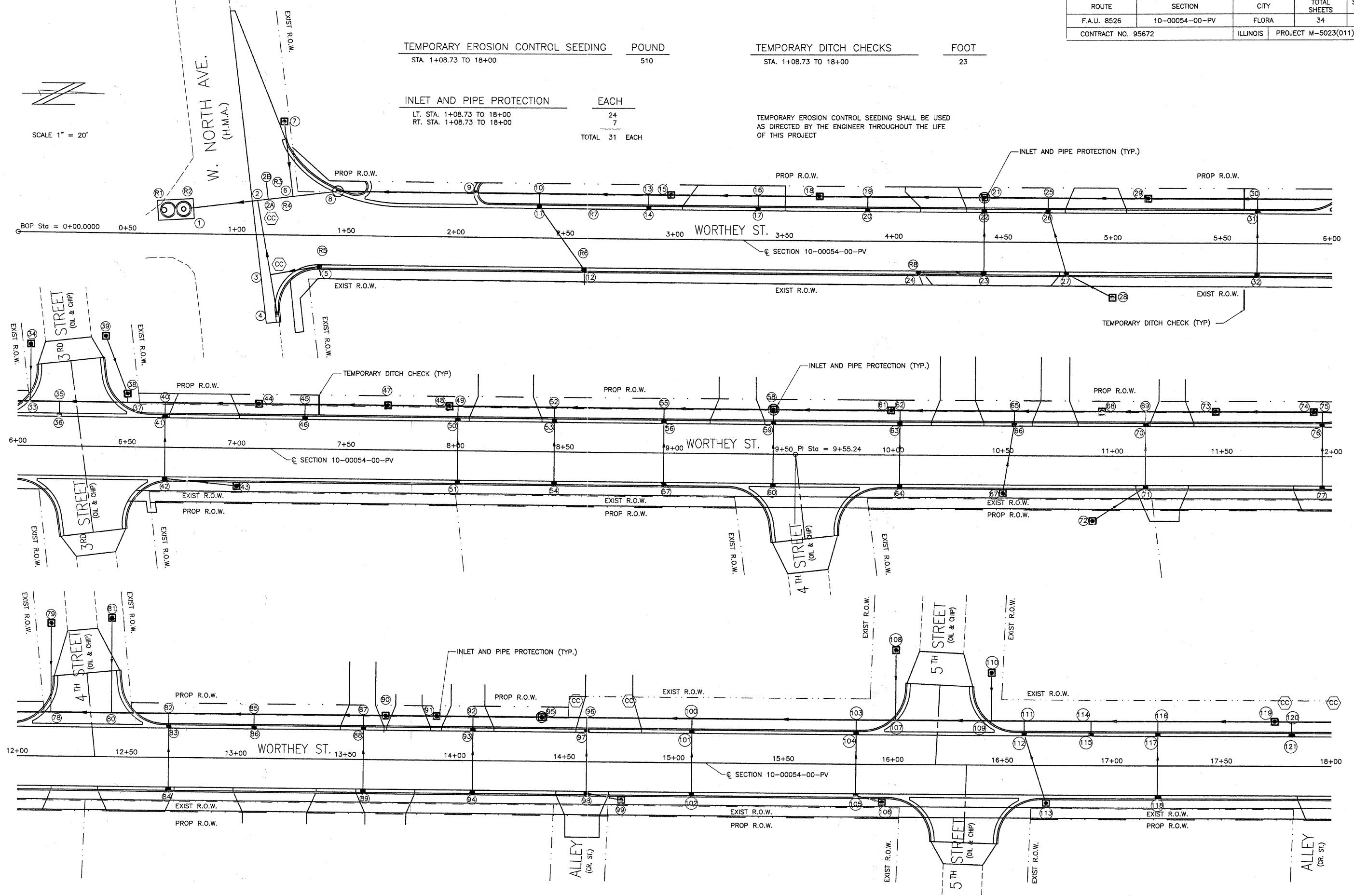


TEMPORARY EROSION CONTROL SEEDING POUND
STA. 1+08.73 TO 18+00 510

TEMPORARY DITCH CHECKS FOOT
STA. 1+08.73 TO 18+00 23

INLET AND PIPE PROTECTION EACH
LT. STA. 1+08.73 TO 18+00 24
RT. STA. 1+08.73 TO 18+00 7
TOTAL 31 EACH

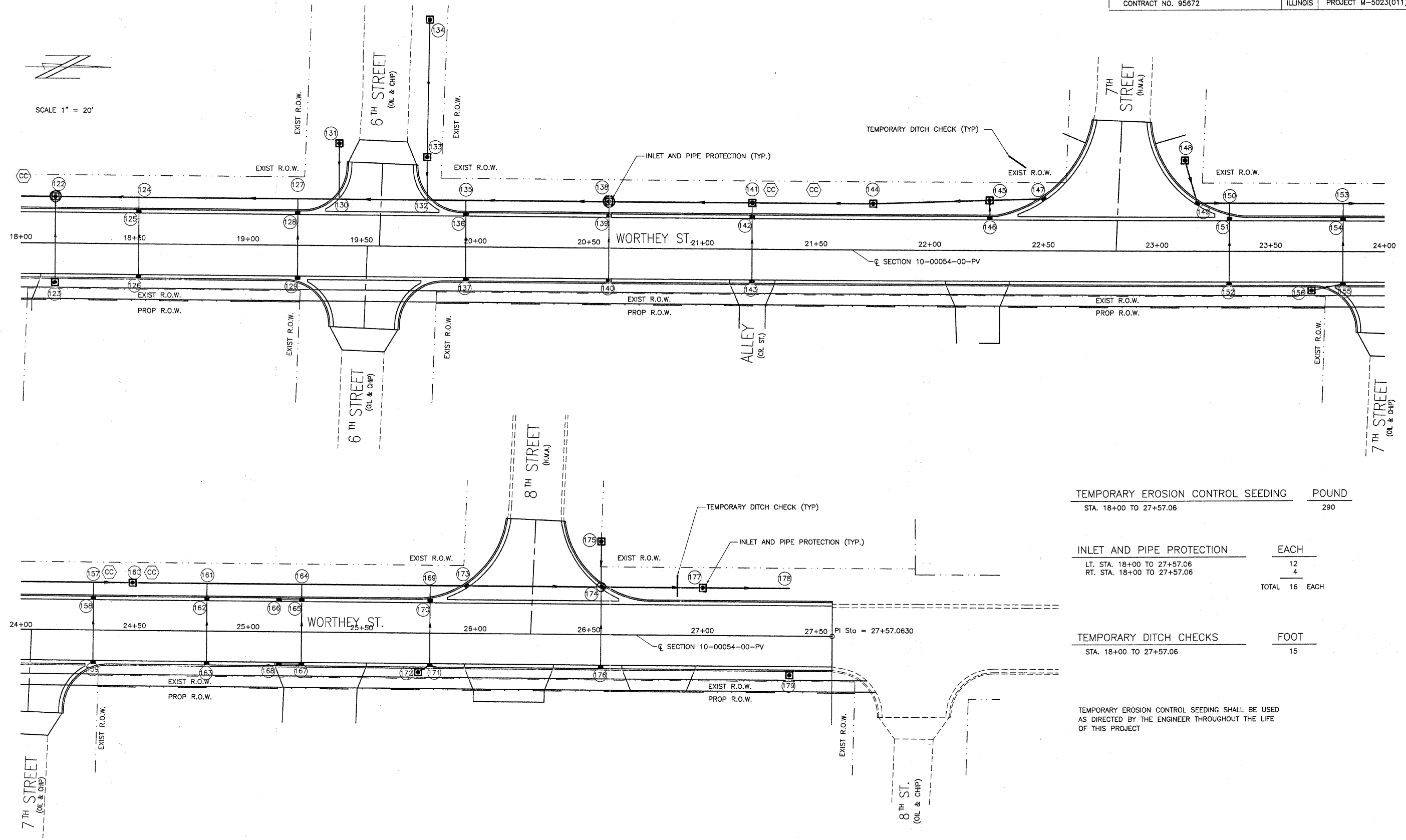
TEMPORARY EROSION CONTROL SEEDING SHALL BE USED AS DIRECTED BY THE ENGINEER THROUGHOUT THE LIFE OF THIS PROJECT



EROSION CONTROL DETAILS

ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8526	10-00054-00-PV	FLORA	34	16
CONTRACT NO. 95672		ILLINOIS	PROJECT M-5023(011)	

SCALE 1" = 20'

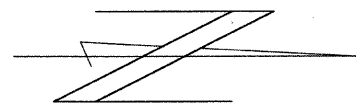


TEMPORARY EROSION CONTROL SEEDING	POUND
STA. 18+00 TO 27+57.06	290
INLET AND PIPE PROTECTION	
LT. STA. 18+00 TO 27+57.06	12
RT. STA. 18+00 TO 27+57.06	4
TOTAL	16 EACH
TEMPORARY DITCH CHECKS	
STA. 18+00 TO 27+57.06	15

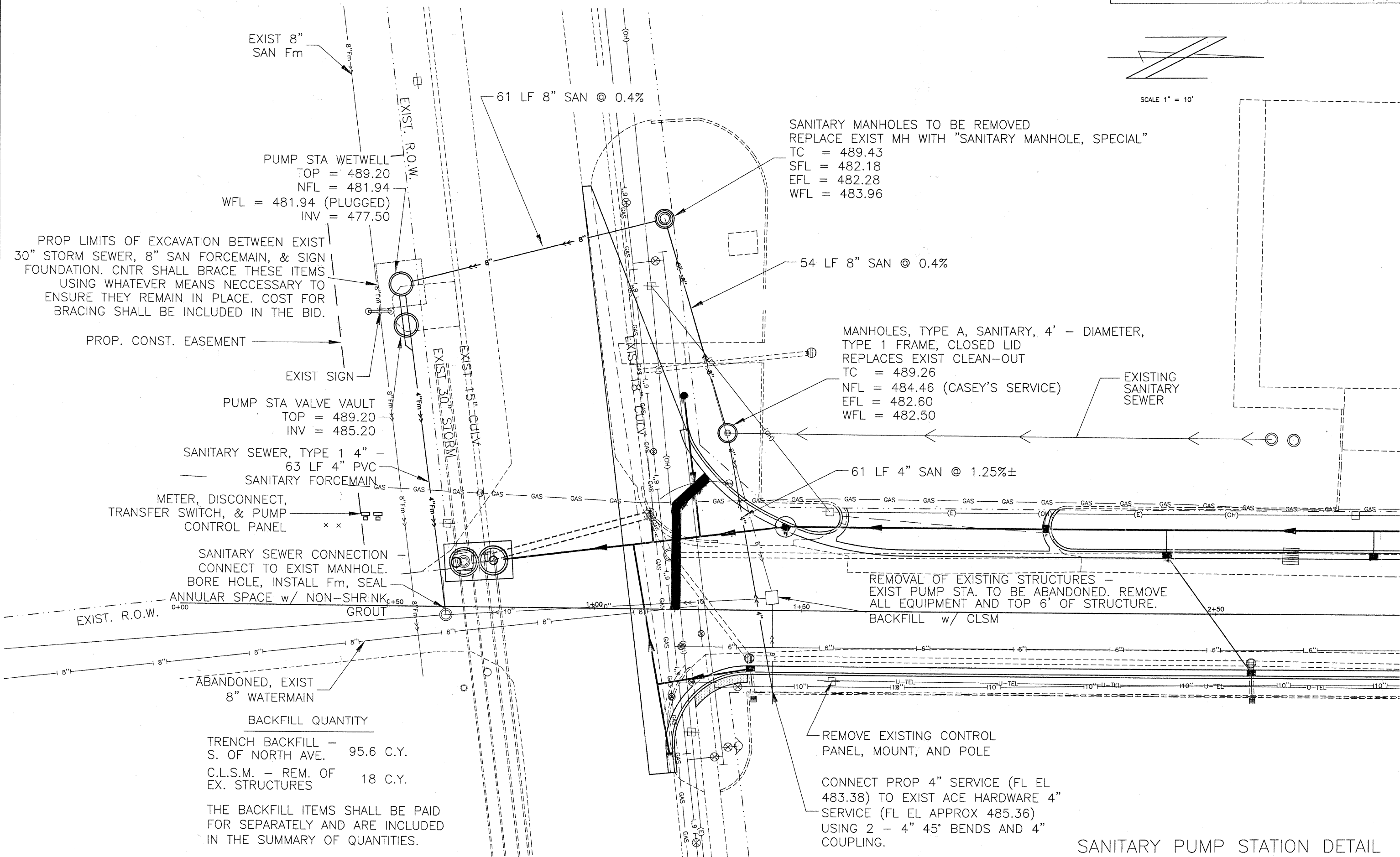
TEMPORARY EROSION CONTROL SEEDING SHALL BE USED AS DIRECTED BY THE ENGINEER THROUGHOUT THE LIFE OF THIS PROJECT

EROSION CONTROL DETAILS

ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8526	10-00054-00-PV	FLORA	34	17
CONTRACT NO. 95672		ILLINOIS	PROJECT M-5023(011)	



SCALE 1" = 10'



PUMP STA WETWELL
 TOP = 489.20
 NFL = 481.94
 WFL = 481.94 (PLUGGED)
 INV = 477.50

PROP LIMITS OF EXCAVATION BETWEEN EXIST 30" STORM SEWER, 8" SAN FORCEMAIN, & SIGN FOUNDATION. CNTR SHALL BRACE THESE ITEMS USING WHATEVER MEANS NECESSARY TO ENSURE THEY REMAIN IN PLACE. COST FOR BRACING SHALL BE INCLUDED IN THE BID.

PROP. CONST. EASEMENT

PUMP STA VALVE VAULT
 TOP = 489.20
 INV = 485.20

SANITARY SEWER, TYPE 1 4" -
 63 LF 4" PVC
 SANITARY FORCEMAIN

METER, DISCONNECT,
 TRANSFER SWITCH, & PUMP
 CONTROL PANEL

SANITARY SEWER CONNECTION
 CONNECT TO EXIST MANHOLE.
 BORE HOLE, INSTALL Fm, SEAL
 ANNULAR SPACE w/ NON-SHRINK
 GROUT

ABANDONED, EXIST
 8" WATERMAIN

BACKFILL QUANTITY

TRENCH BACKFILL - 95.6 C.Y.
 S. OF NORTH AVE.
 C.L.S.M. - REM. OF 18 C.Y.
 EX. STRUCTURES

THE BACKFILL ITEMS SHALL BE PAID FOR SEPARATELY AND ARE INCLUDED IN THE SUMMARY OF QUANTITIES.

61 LF 8" SAN @ 0.4%

SANITARY MANHOLES TO BE REMOVED
 REPLACE EXIST MH WITH "SANITARY MANHOLE, SPECIAL"
 TC = 489.43
 SFL = 482.18
 EFL = 482.28
 WFL = 483.96

54 LF 8" SAN @ 0.4%

MANHOLES, TYPE A, SANITARY, 4' - DIAMETER,
 TYPE 1 FRAME, CLOSED LID
 REPLACES EXIST CLEAN-OUT
 TC = 489.26
 NFL = 484.46 (CASEY'S SERVICE)
 EFL = 482.60
 WFL = 482.50

EXISTING
 SANITARY
 SEWER

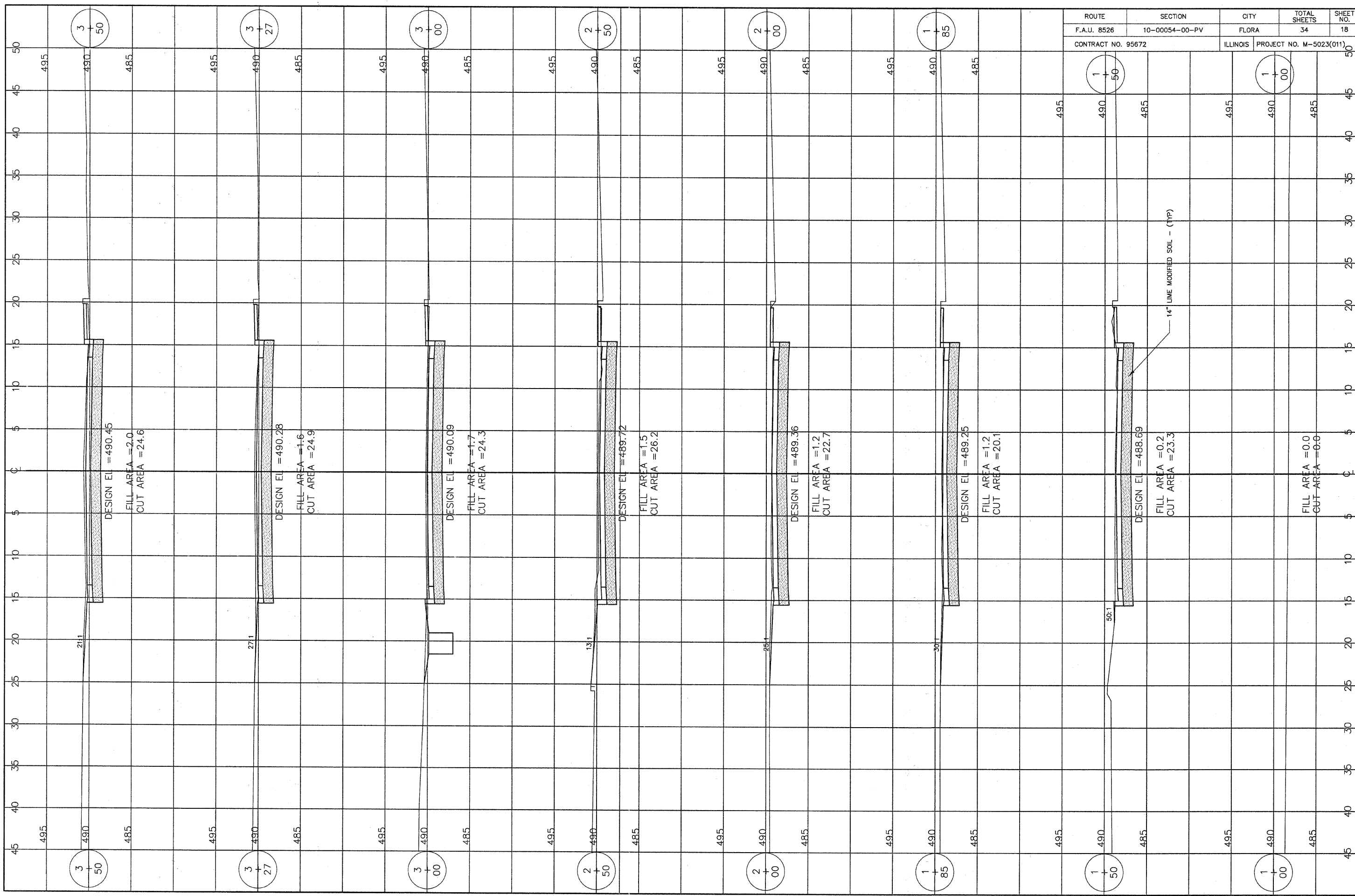
61 LF 4" SAN @ 1.25%±

REMOVAL OF EXISTING STRUCTURES -
 EXIST PUMP STA. TO BE ABANDONED. REMOVE
 ALL EQUIPMENT AND TOP 6' OF STRUCTURE.
 BACKFILL w/ CLSM

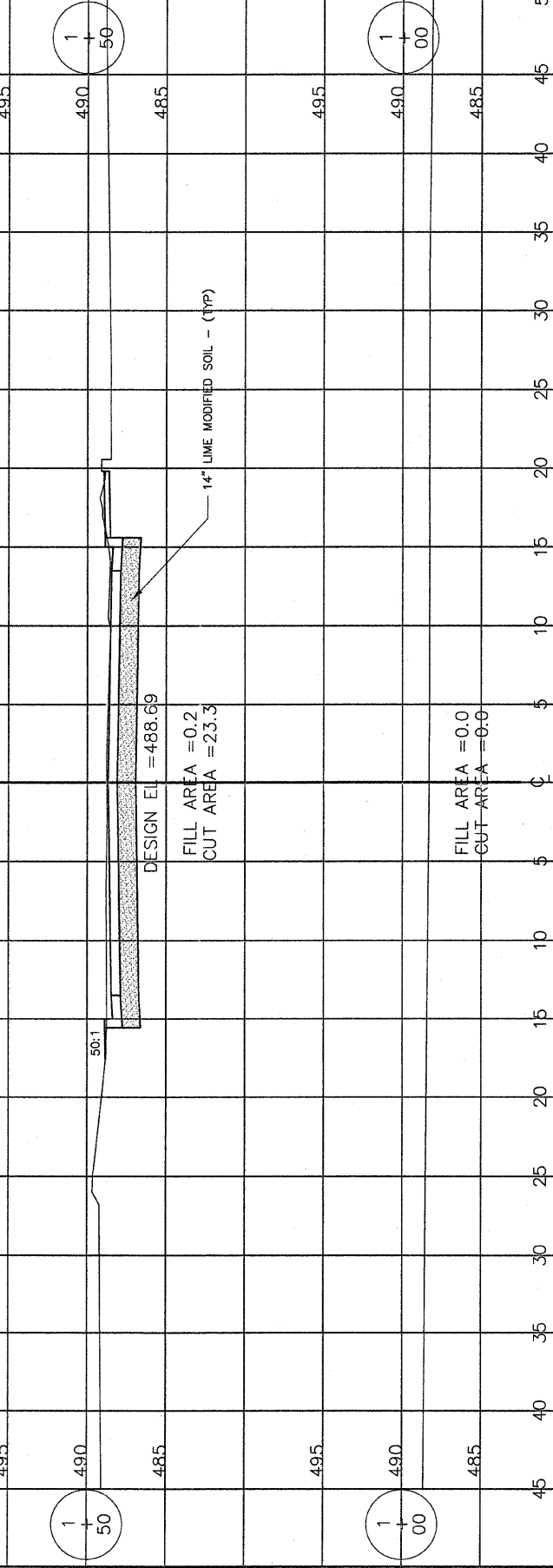
REMOVE EXISTING CONTROL
 PANEL, MOUNT, AND POLE

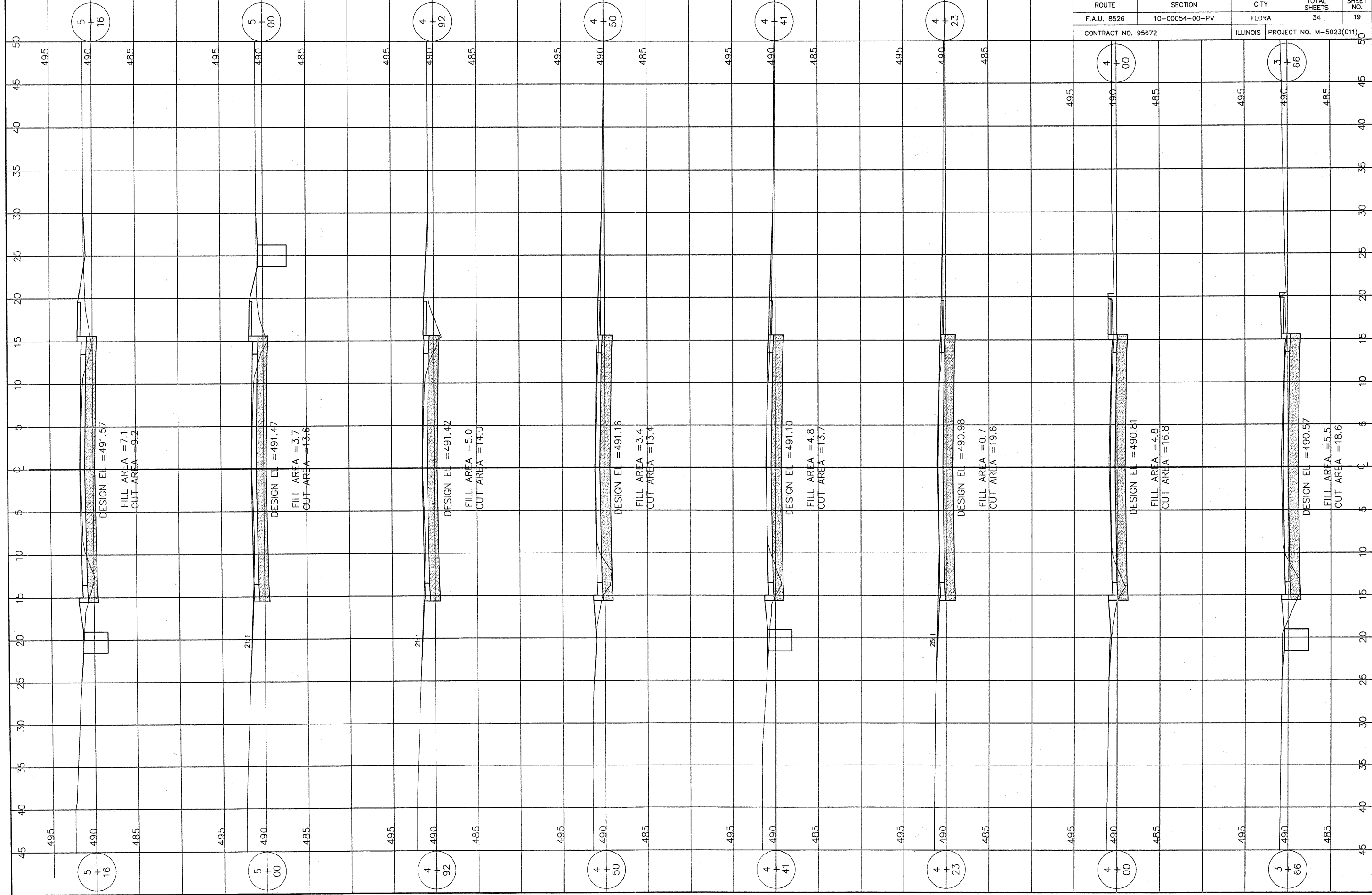
CONNECT PROP 4" SERVICE (FL EL 483.38) TO EXIST ACE HARDWARE 4" SERVICE (FL EL APPROX 485.36) USING 2 - 4" 45° BENDS AND 4" COUPLING.

SANITARY PUMP STATION DETAIL

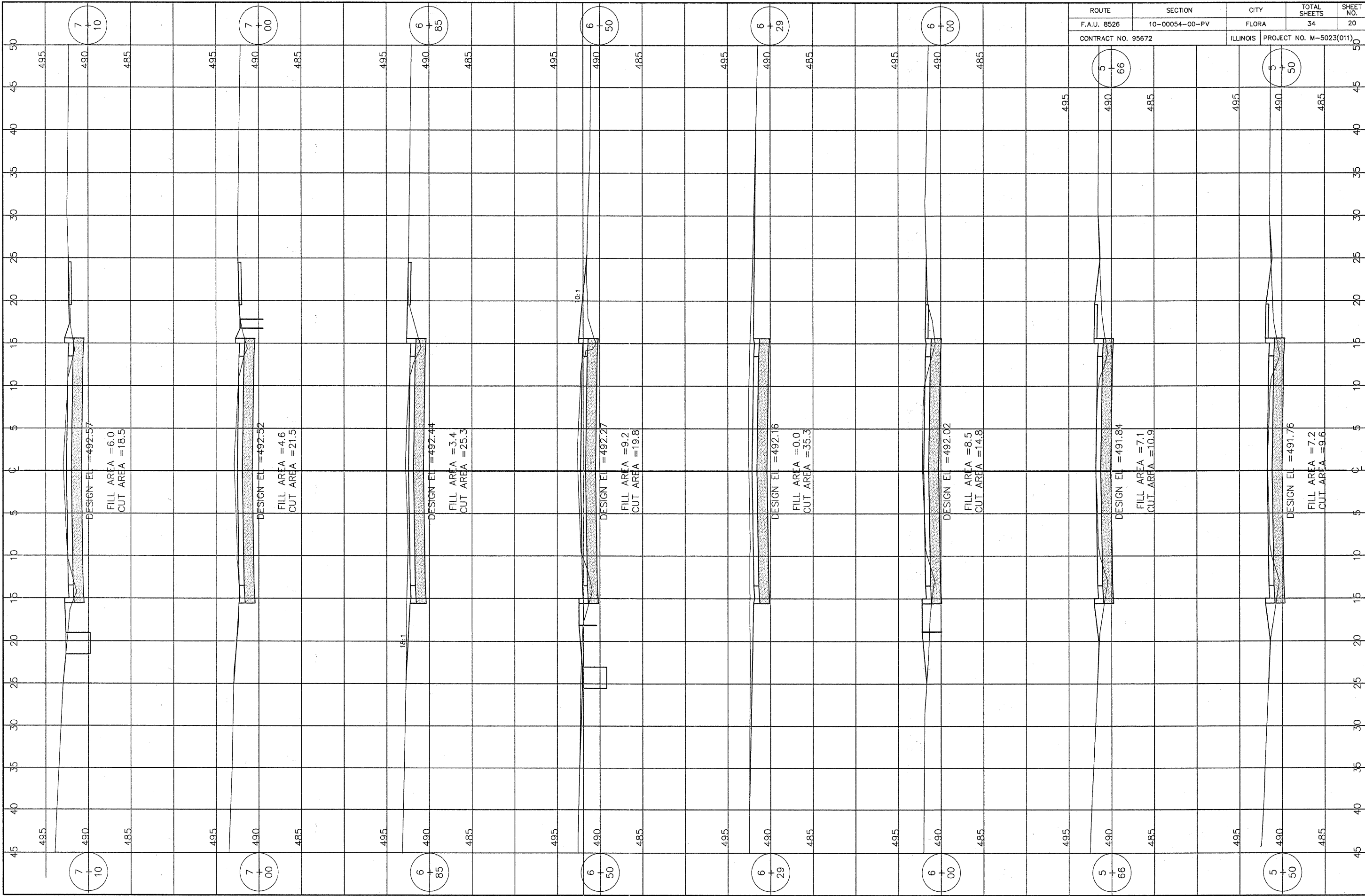


ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8526	10-00054-00-PV	FLORA	34	18
CONTRACT NO. 95672		ILLINOIS	PROJECT NO. M-5023(011)	

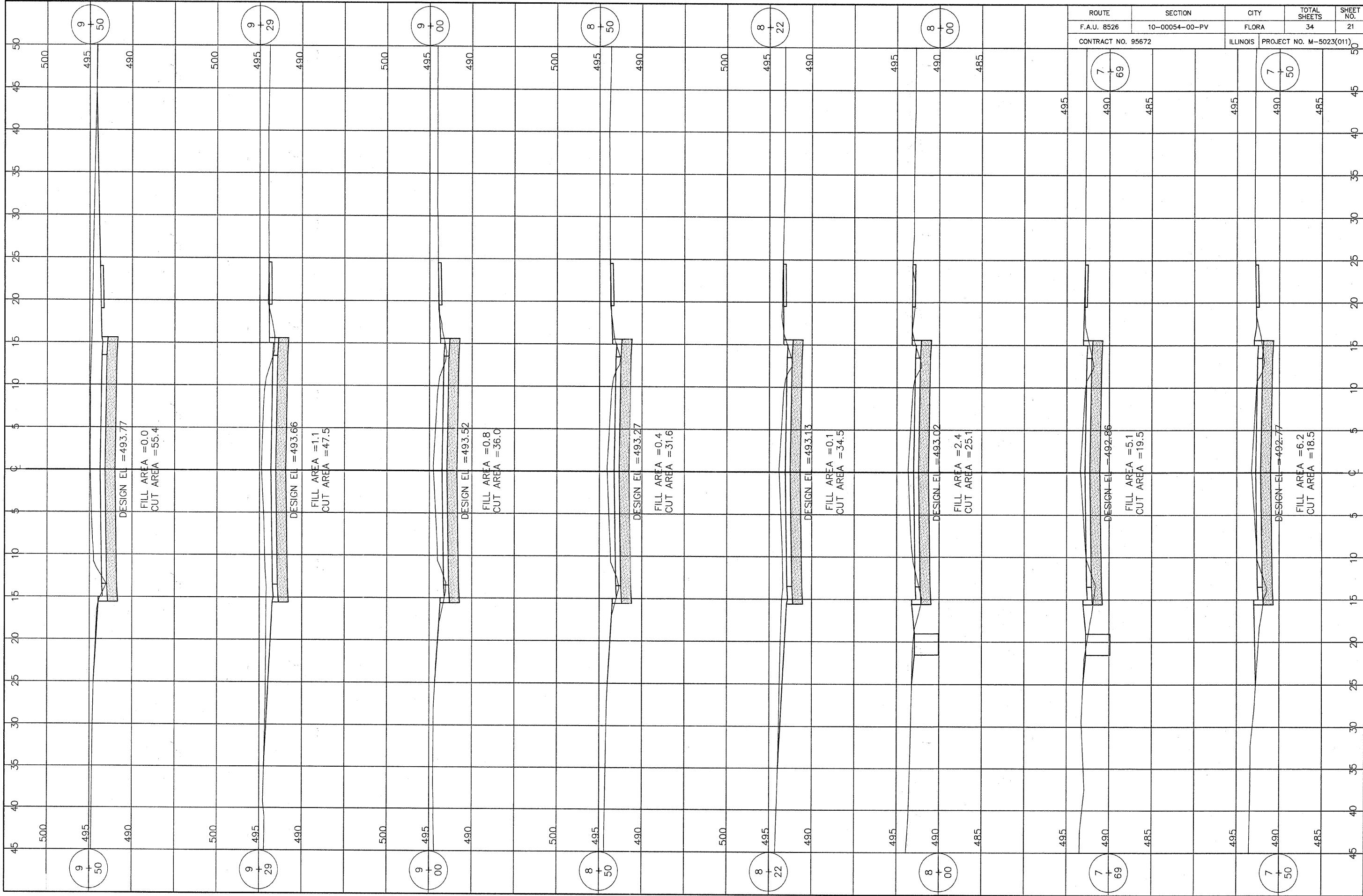




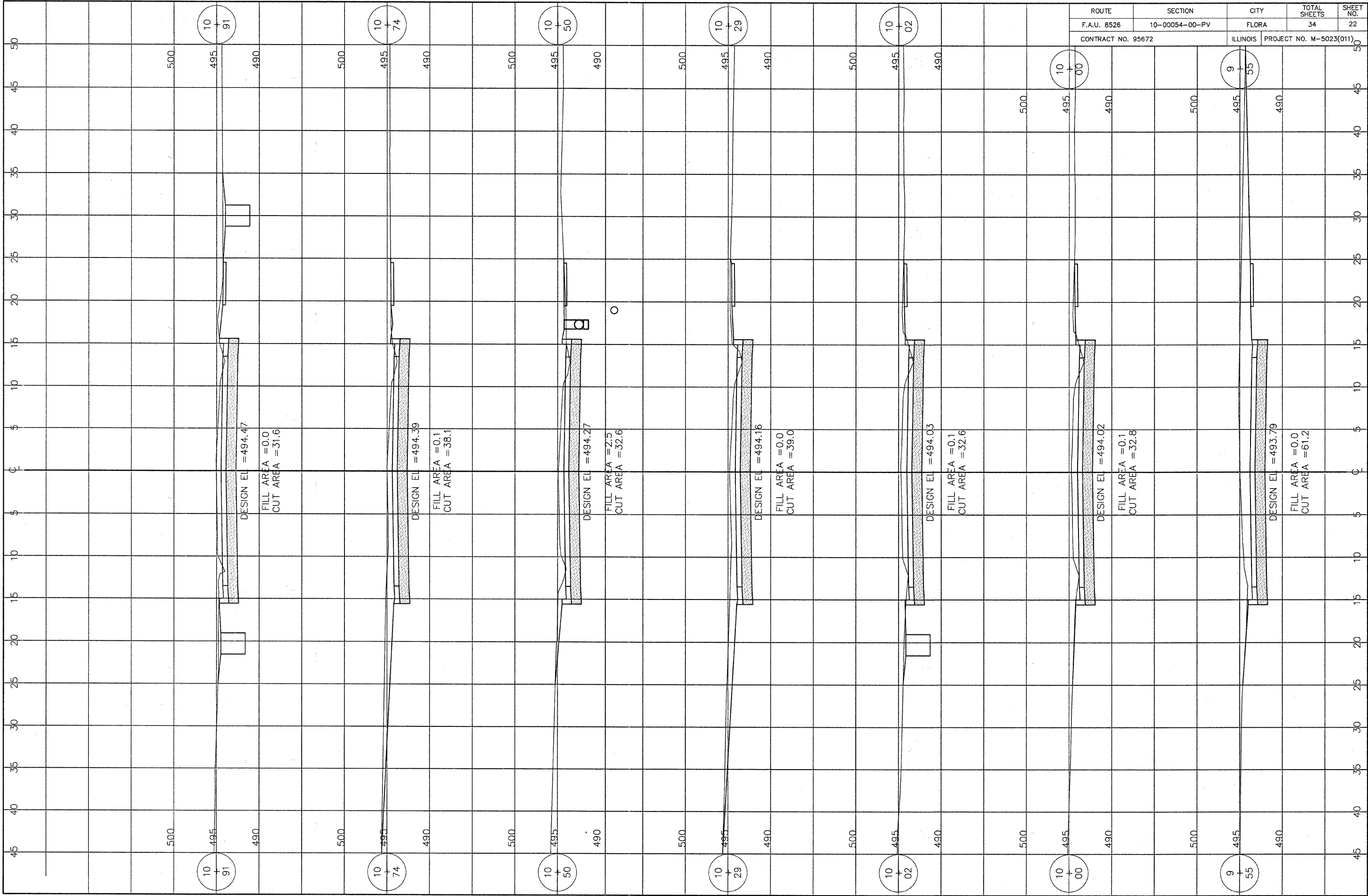
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F.A.U. 8526	10-00054-00-PV	FLORA	34	19
CONTRACT NO. 95672		ILLINOIS	PROJECT NO. M-5023(011)	



ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8526	10-00054-00-PV	FLORA	34	20
CONTRACT NO. 95672		ILLINOIS	PROJECT NO. M-5023(011)	



ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8526	10-00054-00-PV	FLORA	34	21
CONTRACT NO. 95672		ILLINOIS	PROJECT NO. M-5023(011)	



ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8526	10-00054-00-PV	FLORA	34	22
CONTRACT NO. 95672		ILLINOIS	PROJECT NO. M-5023(011)	

DESIGN EL = 494.47
 FILL AREA = 0.0
 CUT AREA = 31.6

DESIGN EL = 494.39
 FILL AREA = 0.1
 CUT AREA = 38.1

DESIGN EL = 494.27
 FILL AREA = 2.5
 CUT AREA = 32.6

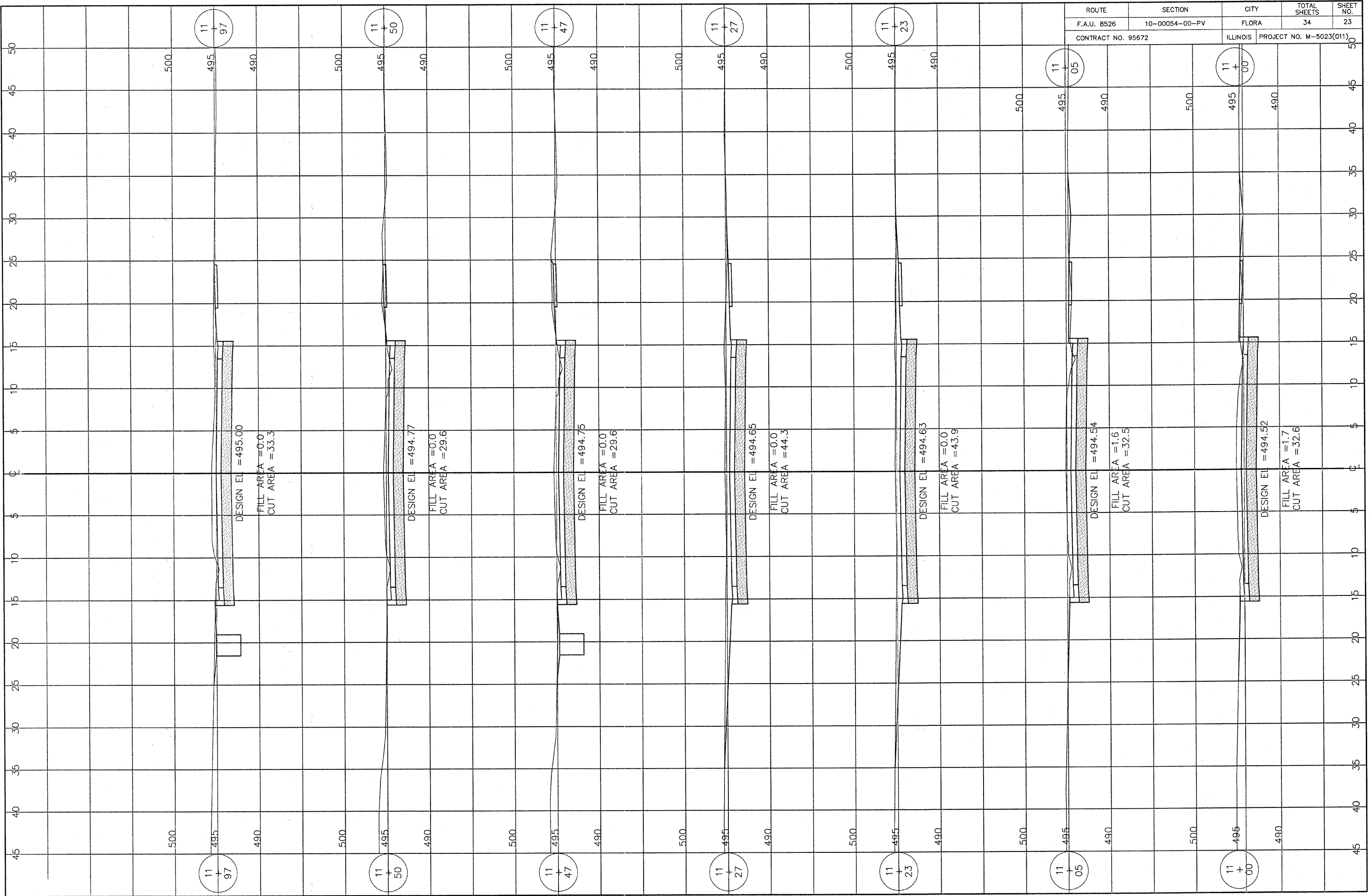
DESIGN EL = 494.16
 FILL AREA = 0.0
 CUT AREA = 39.0

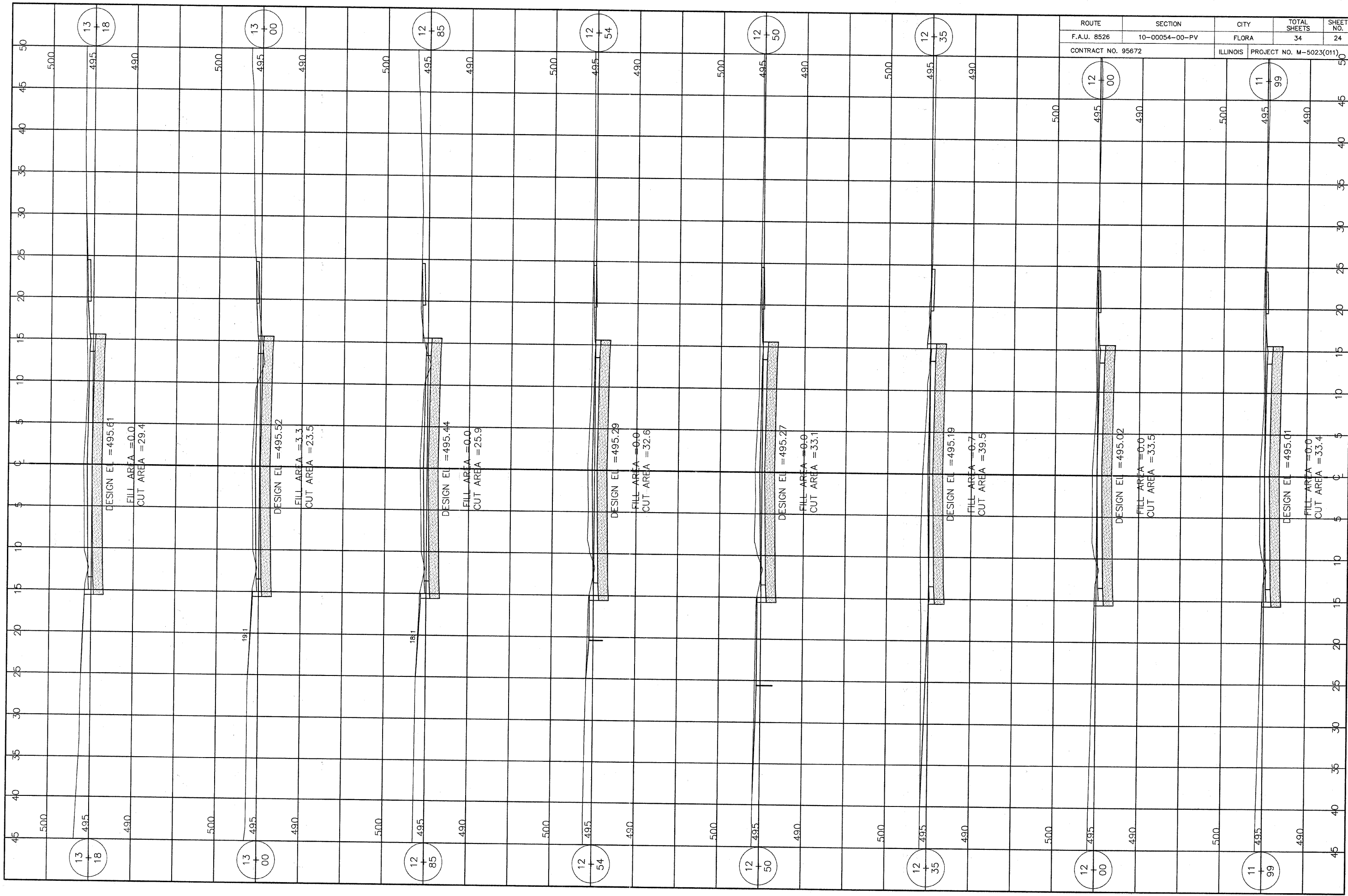
DESIGN EL = 494.03
 FILL AREA = 0.1
 CUT AREA = 32.6

DESIGN EL = 494.02
 FILL AREA = 0.1
 CUT AREA = 32.8

DESIGN EL = 493.79
 FILL AREA = 0.0
 CUT AREA = 61.2

ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8526	10-00054-00-PV	FLORA	34	23
CONTRACT NO. 95672		ILLINOIS	PROJECT NO. M-5023(011)	





ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8526	10-00054-00-PV	FLORA	34	24
CONTRACT NO. 95672		ILLINOIS	PROJECT NO. M-5023(011)	

13
18

13
00

12
85

12
54

12
50

12
35

12
00

11
99

13
18

13
00

12
85

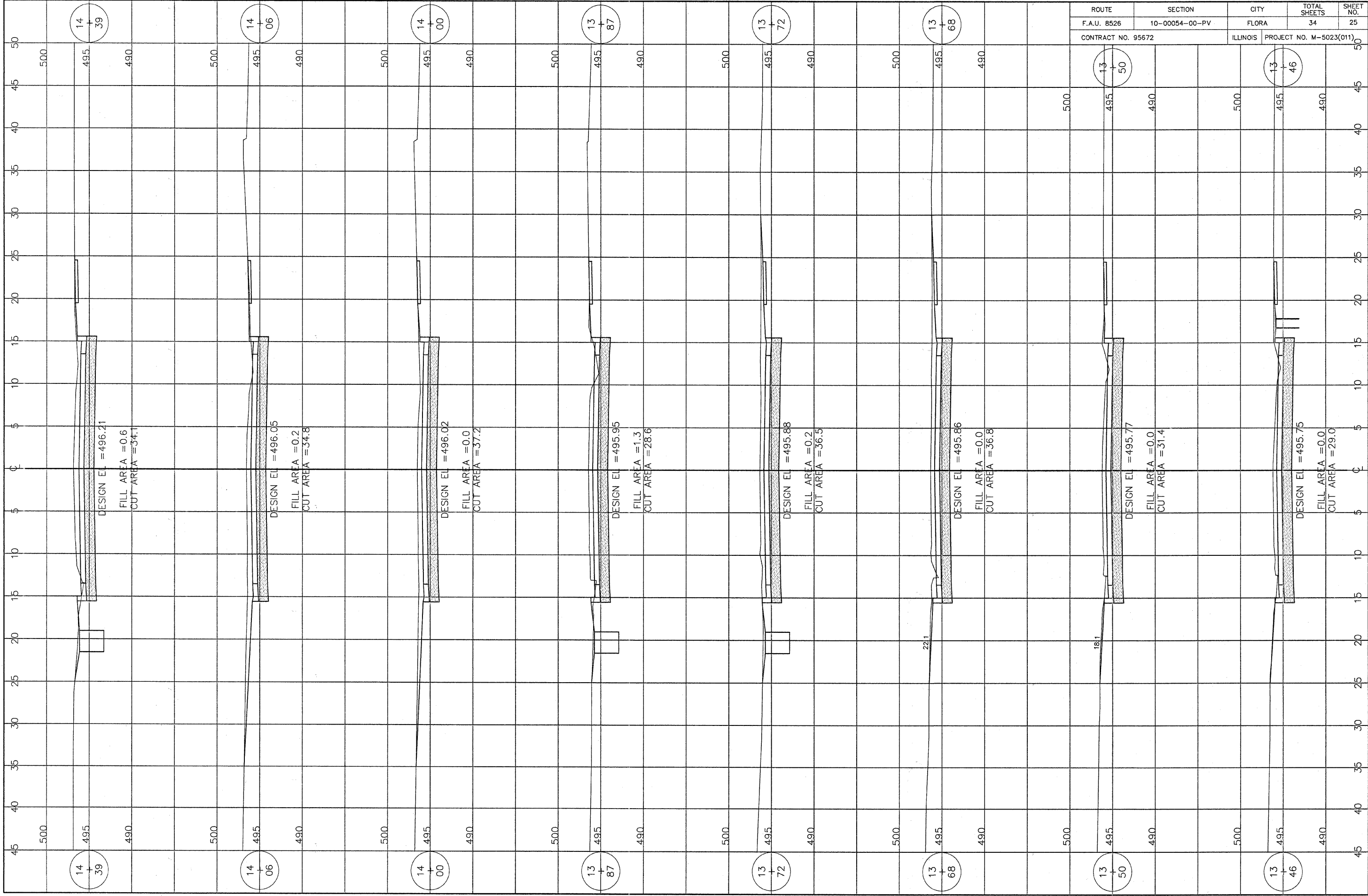
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54

12
50

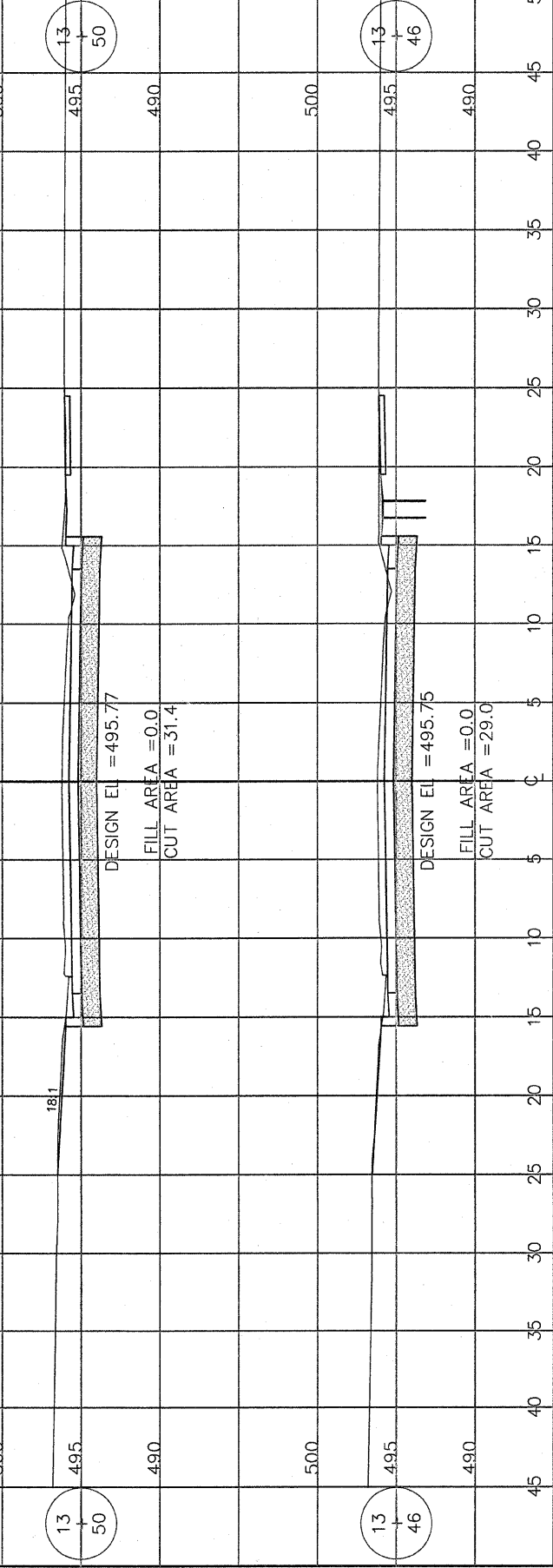
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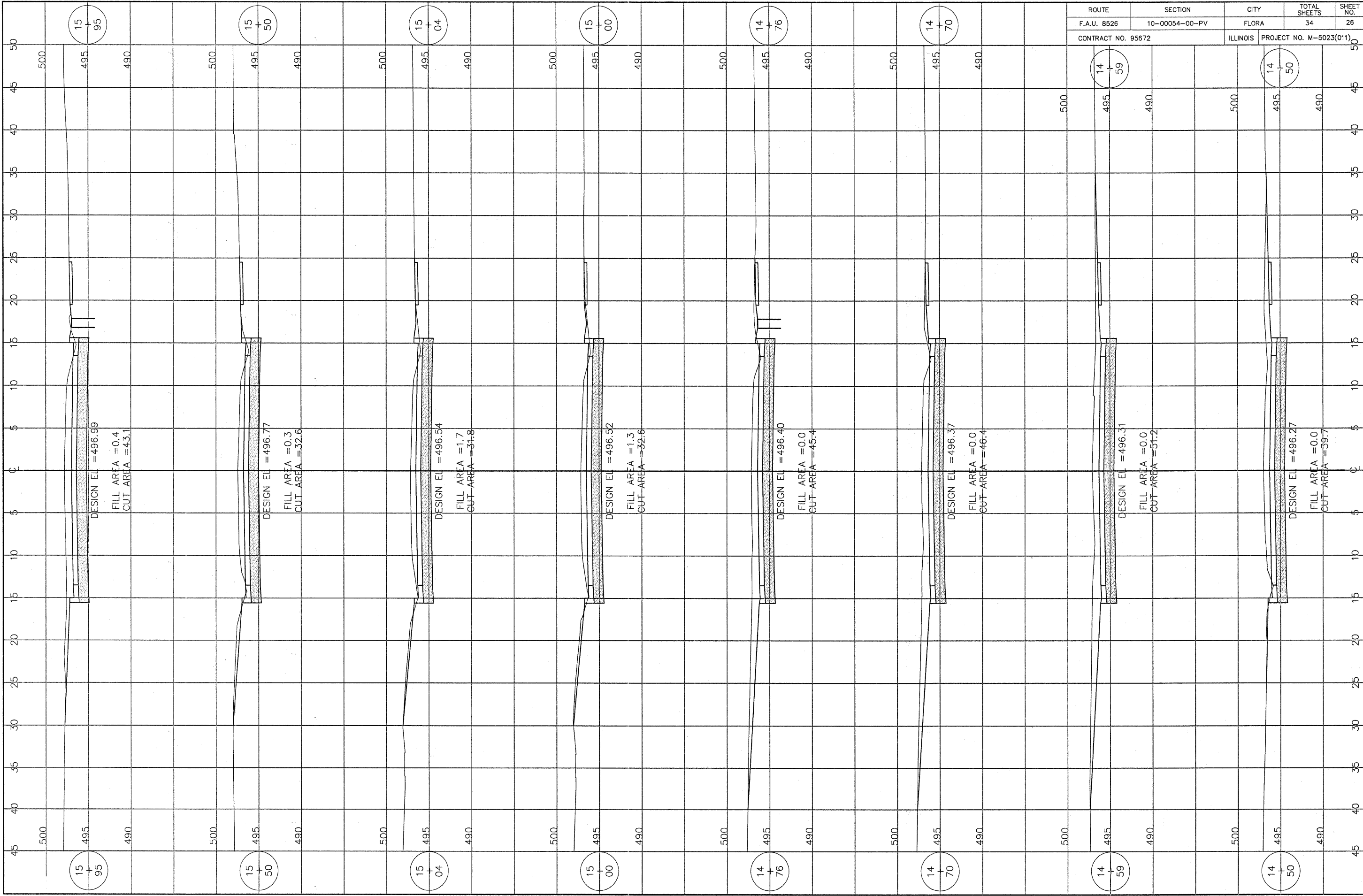
12
00

11
99

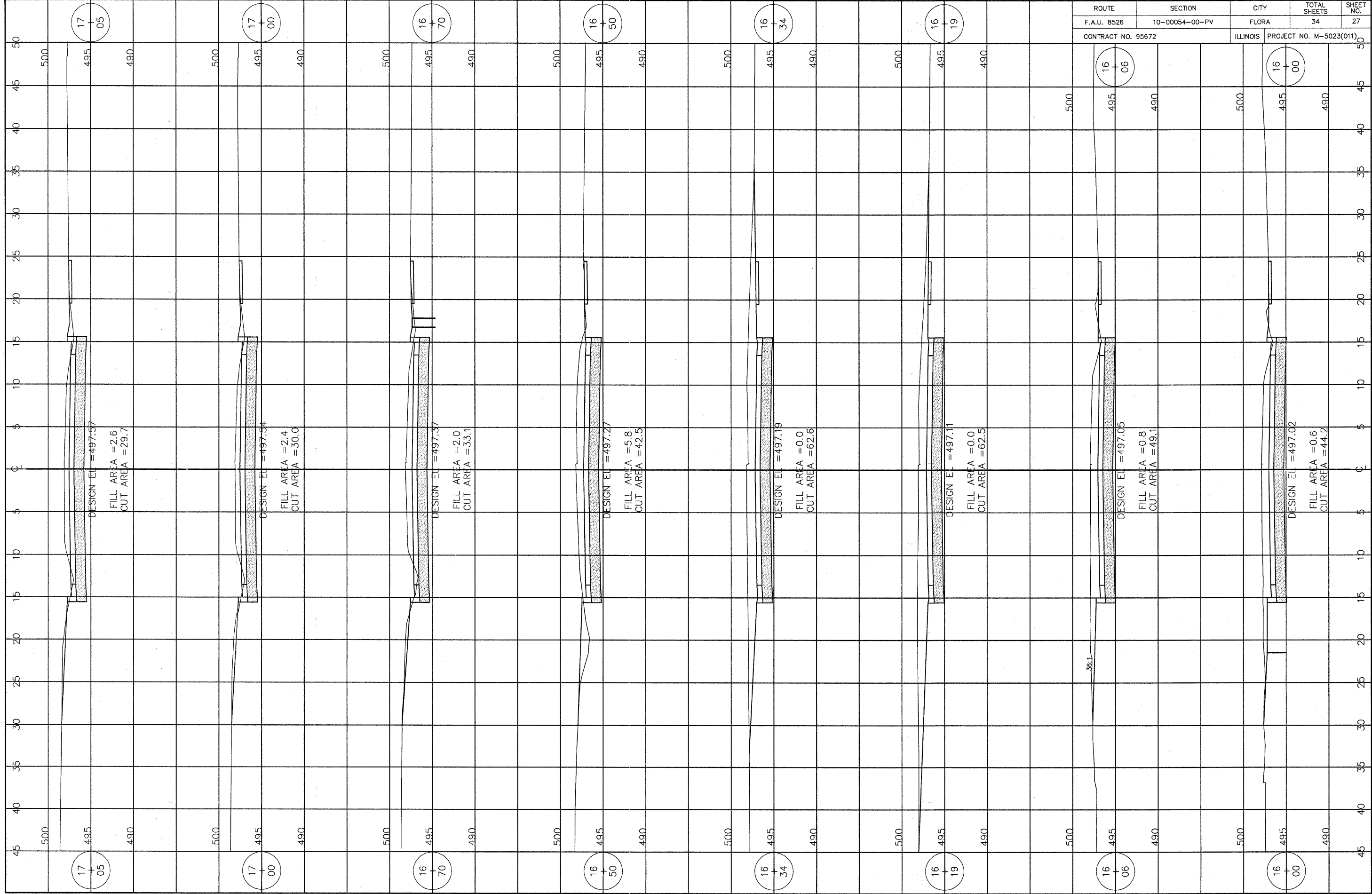


ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 95672		ILLINOIS	PROJECT NO. M-5023(011)	

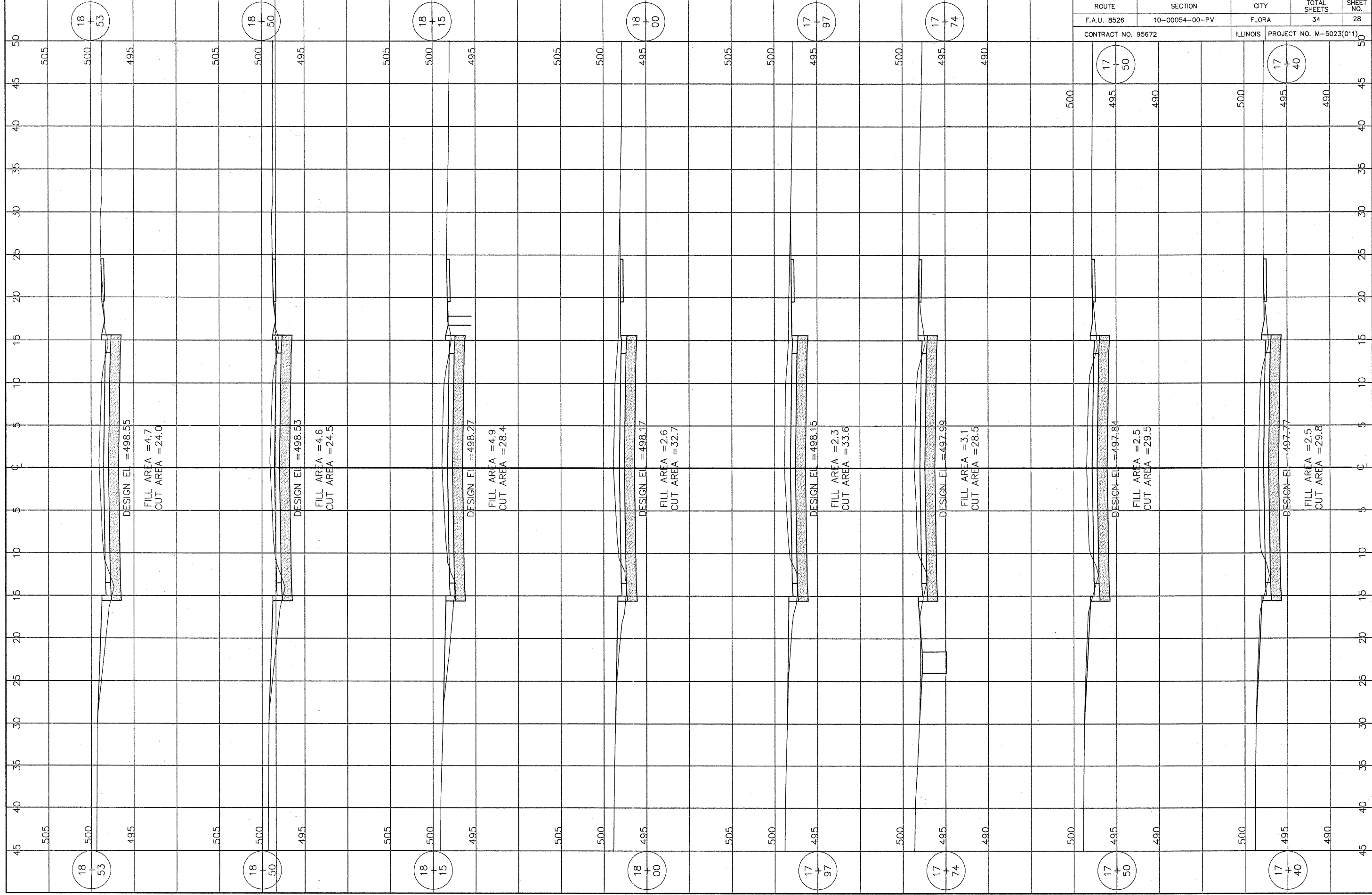




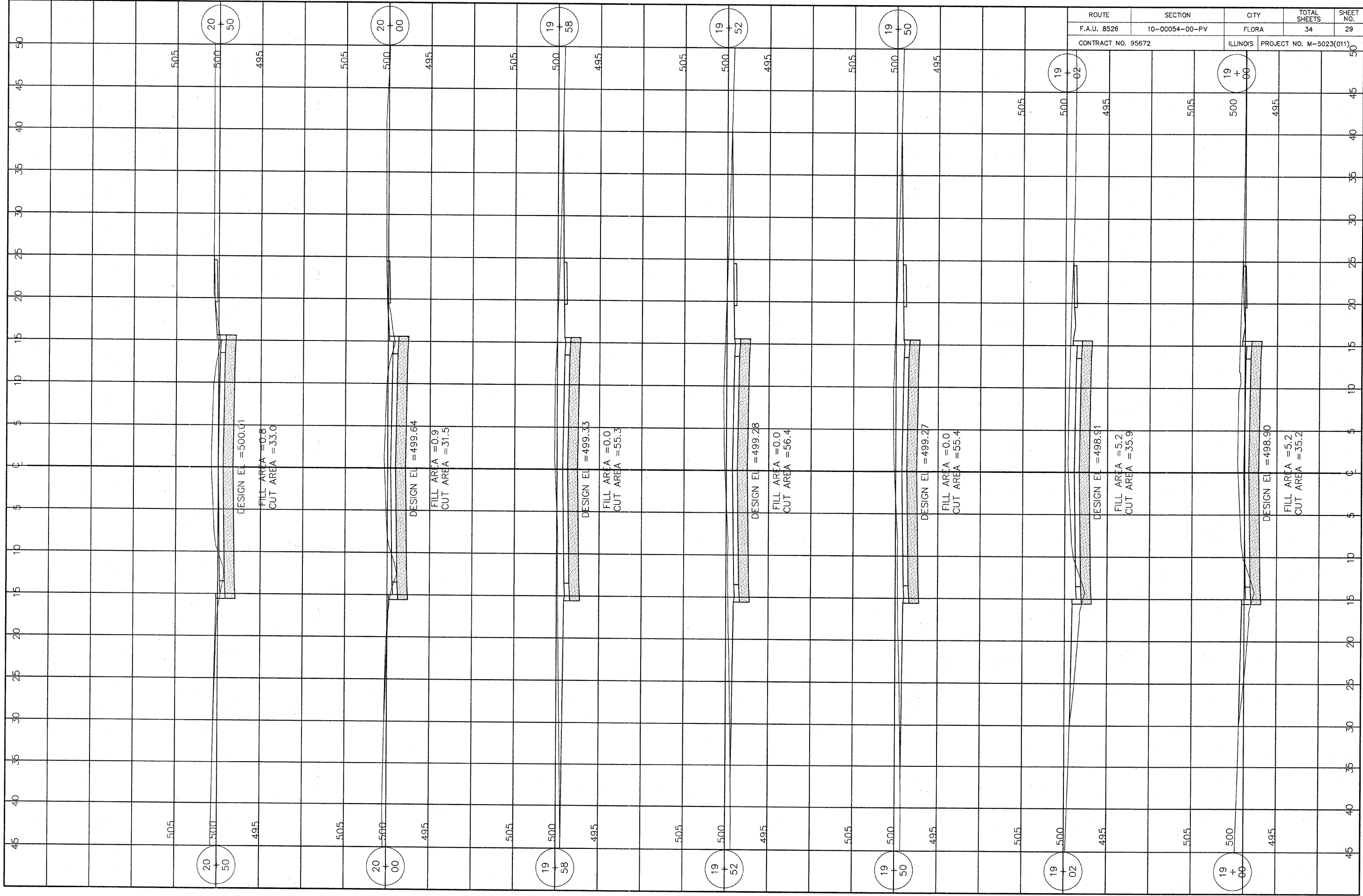
ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8526	10-00054-00-PV	FLORA	34	28
CONTRACT NO. 95672		ILLINOIS	PROJECT NO. M-5023(011)	



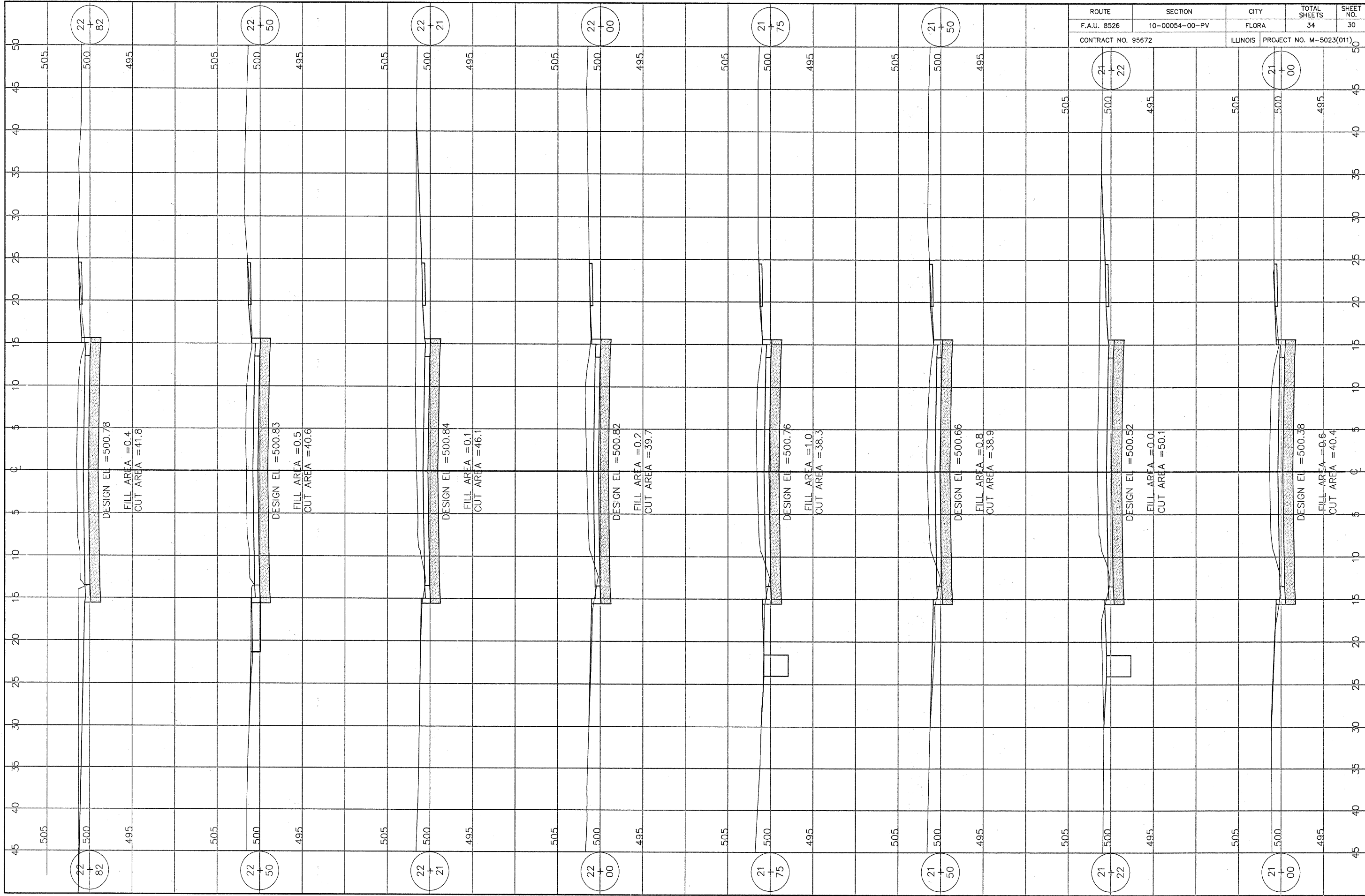
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F.A.U. 8526	10-00054-00-PV	FLORA	34	27
CONTRACT NO. 95672		ILLINOIS	PROJECT NO. M-5023(011)	



ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8526	10-00054-00-PV	FLORA	34	28
CONTRACT NO. 95672		ILLINOIS	PROJECT NO. M-5023(011)	



ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8526	10-00054-00-PV	FLORA	34	29
CONTRACT NO. 95672		ILLINOIS	PROJECT NO. M-5023(011)	



ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8526	10-00054-00-PV	FLORA	34	30

CONTRACT NO. 95672	ILLINOIS	PROJECT NO. M-5023(011)
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22
+
82

22
+
50

22
+
21

22
+
00

21
+
75

21
+
50

21
+
22

21
+
00

22
+
82

22
+
50

22
+
21

22
+
00

21
+
75

21
+
50

21
+
22

21
+
00

DESIGN EL = 500.78
FILL AREA = 0.4
CUT AREA = 41.8

DESIGN EL = 500.83
FILL AREA = 0.5
CUT AREA = 40.6

DESIGN EL = 500.84
FILL AREA = 0.1
CUT AREA = 46.1

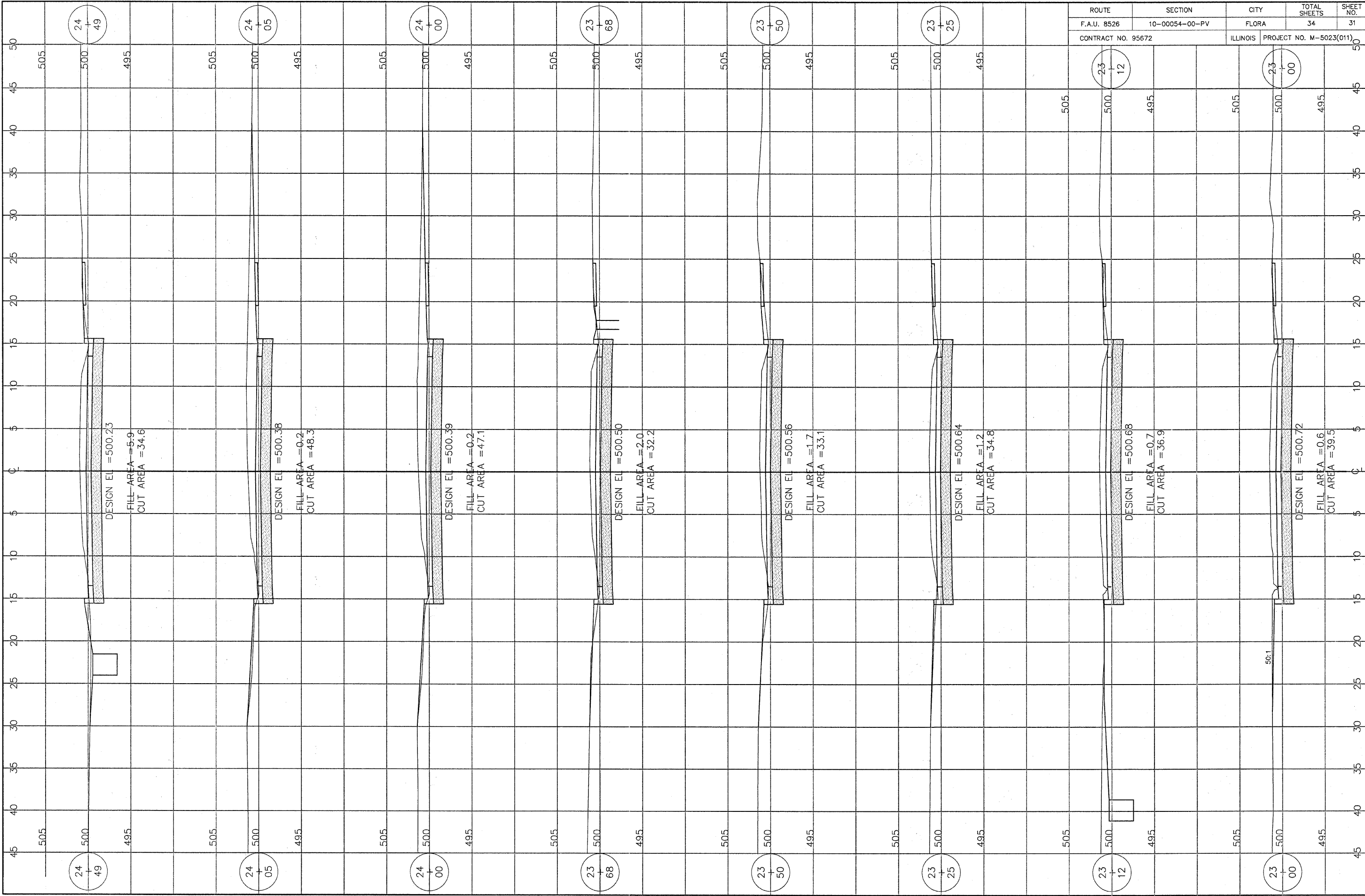
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FILL AREA = 0.2
CUT AREA = 39.7

DESIGN EL = 500.76
FILL AREA = 1.0
CUT AREA = 38.3

DESIGN EL = 500.66
FILL AREA = 0.8
CUT AREA = 38.9

DESIGN EL = 500.52
FILL AREA = 0.0
CUT AREA = 50.1

DESIGN EL = 500.38
FILL AREA = 0.6
CUT AREA = 40.4



24
+
49

DESIGN EL = 500.23
FILL AREA = 5.9
CUT AREA = 34.6

24
+
05

DESIGN EL = 500.38
FILL AREA = 0.2
CUT AREA = 48.3

24
+
00

DESIGN EL = 500.39
FILL AREA = 0.2
CUT AREA = 47.1

23
+
68

DESIGN EL = 500.50
FILL AREA = 2.0
CUT AREA = 32.2

23
+
50

DESIGN EL = 500.56
FILL AREA = 1.7
CUT AREA = 33.1

23
+
25

DESIGN EL = 500.64
FILL AREA = 1.2
CUT AREA = 34.8

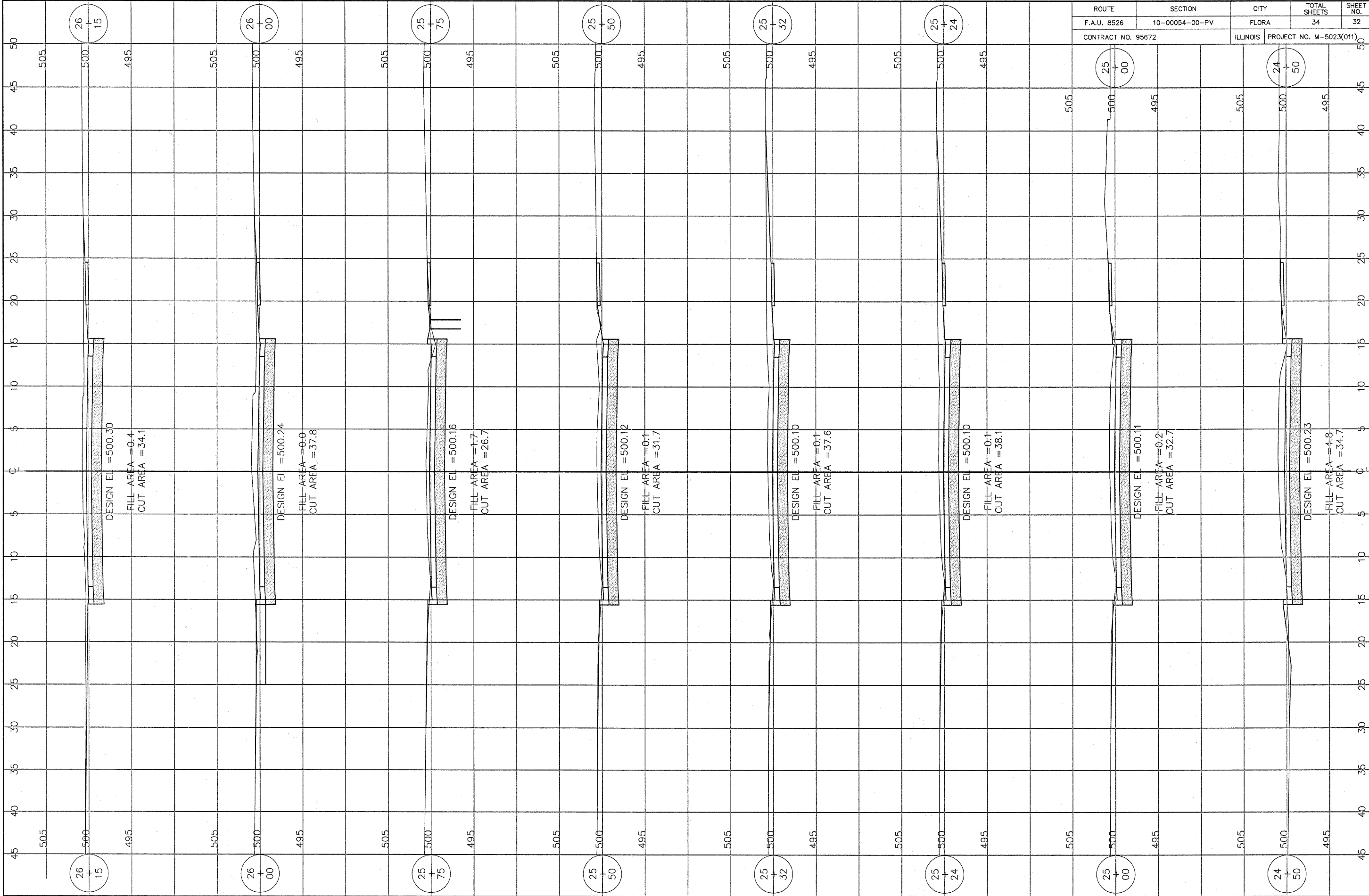
23
+
12

DESIGN EL = 500.68
FILL AREA = 0.7
CUT AREA = 36.9

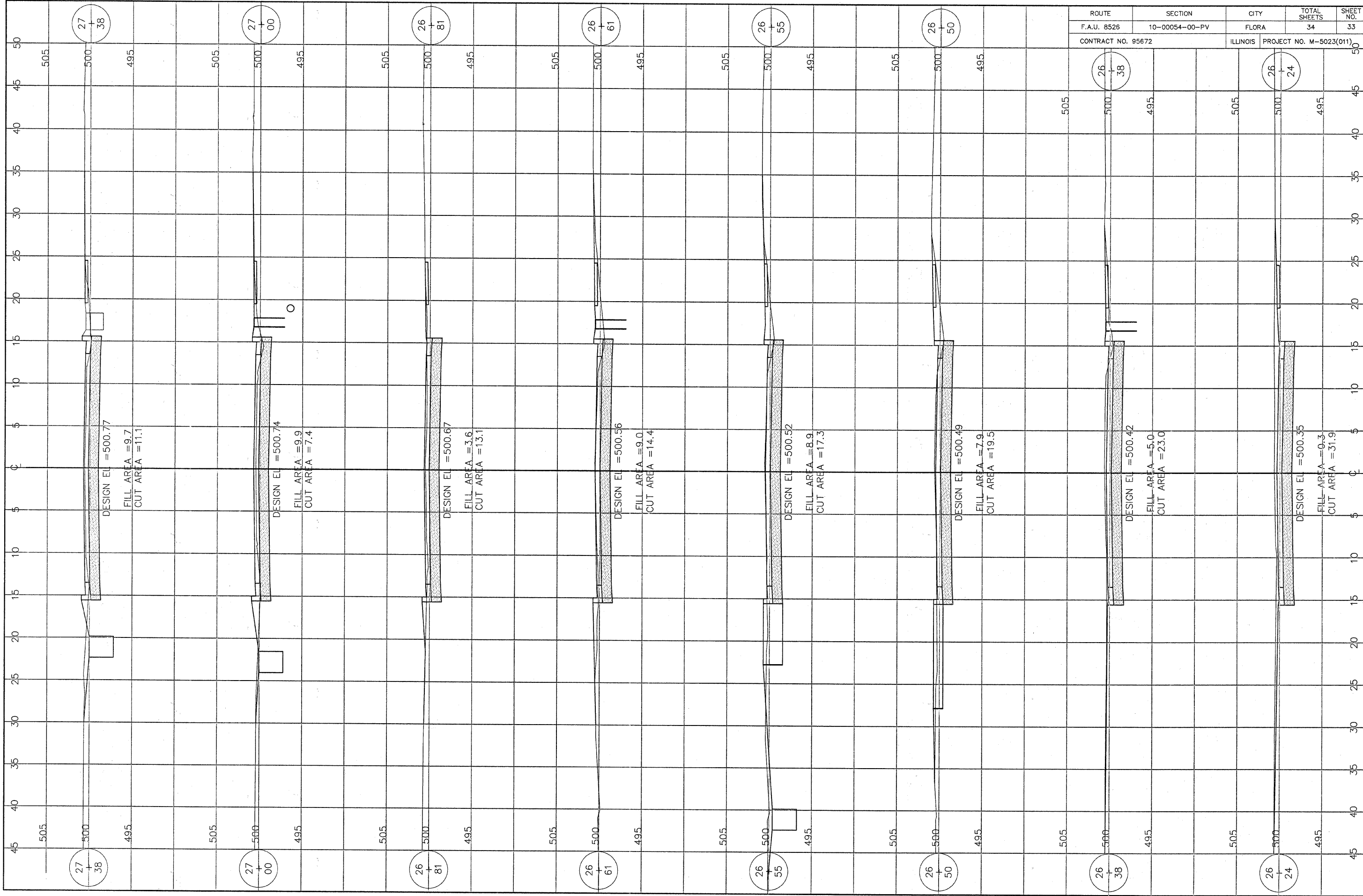
23
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DESIGN EL = 500.72
FILL AREA = 0.6
CUT AREA = 39.5

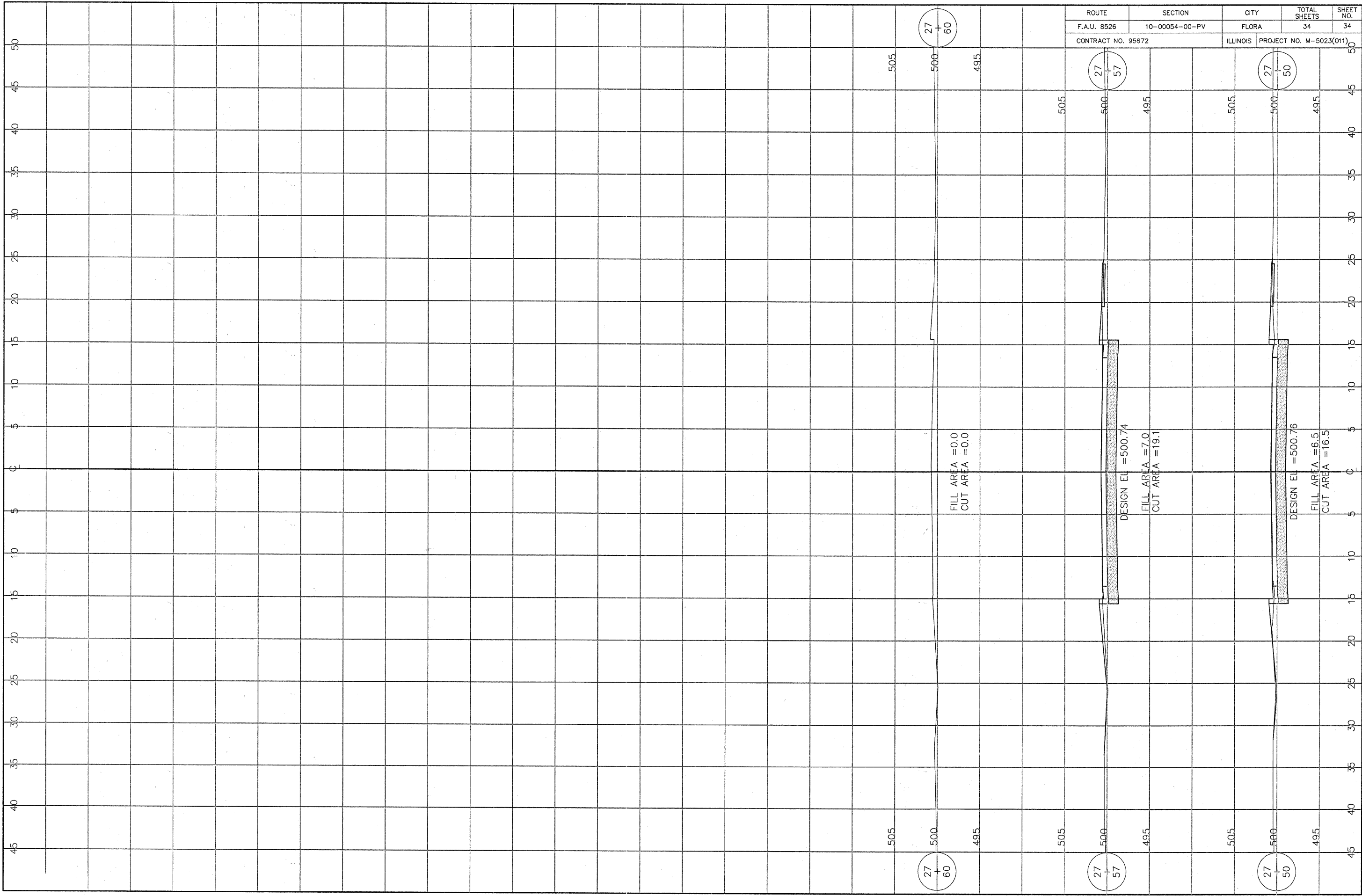
50:1



ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8526	10-00054-00-PV	FLORA	34	32
CONTRACT NO. 95672		ILLINOIS	PROJECT NO. M-5023(011)	



ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8526	10-00054-00-PV	FLORA	34	33
CONTRACT NO. 95672		ILLINOIS	PROJECT NO. M-5023(011)	



ROUTE	SECTION	CITY	TOTAL SHEETS	SHEET NO.
F.A.U. 8526	10-00054-00-PV	FLORA	34	34
CONTRACT NO. 95672		ILLINOIS	PROJECT NO. M-5023(011)	

27
+
60

27
+
57

27
+
50

27
+
60

27
+
57

27
+
50

FILL AREA = 0.0
CUT AREA = 0.0

DESIGN EL = 500.74
FILL AREA = 7.0
CUT AREA = 19.1

DESIGN EL = 500.76
FILL AREA = 6.5
CUT AREA = 16.5