

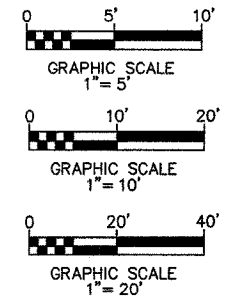
INDEX OF SHEETS

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STANDARDS

000001-05	604001-02	701331-02
001001-01	604006-03	701501-04
280001-04	604011-03	701801-03
424001-05	604036-01	701901
442201-03	604091-01	720001
542301-01	606001-03	720006-01
542606	606006-01	720011
602301-01	701001-01	720021-01
602306-01	701006-02	729001
602401-01	701011-01	780001-01
602601-01	701301-02	781001-02
602701-01	701311-02	

MICROFILMED _____
 REEL NUMBER _____
 AWARDED _____
 RESIDENT ENGINEER _____
 AS BUILT CHANGES WERE MADE ON THE FOLLOWING SHEETS _____
 DESIGN DESIGNATION _____



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.

JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS PHONE: 800-892-0123

ROADWAY CLASSIFICATION = TS-3 (URBAN MINOR ARTERIAL)
 DESIGN SPEED = 30 M.P.H.
 CURRENT TRAFFIC (2007) = 11,300
 DESIGN YEAR (2028) = 12,600

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED

FEDERAL AID HIGHWAY

F.A.U. 8852

POPLAR STREET WIDENING AND RESURFACING - PHASE 2

SECTION: 06-00056-01-WR

MADISON COUNTY

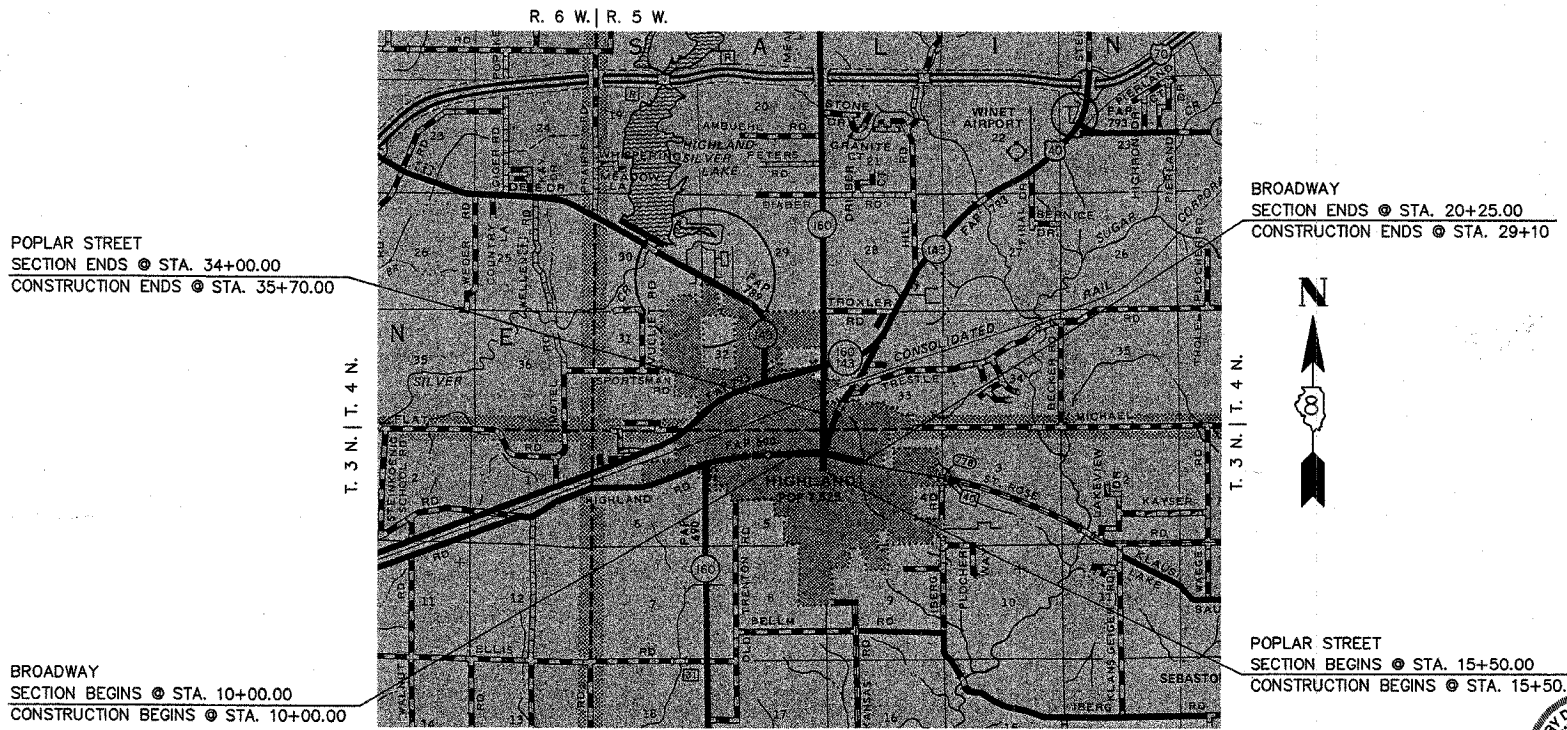
CITY OF HIGHLAND

PROJECT CMM-M-5011 (246)

JOB NO. C-98-312-08

CITY CONSTRUCTION CONTRACT NO. PW-01-05

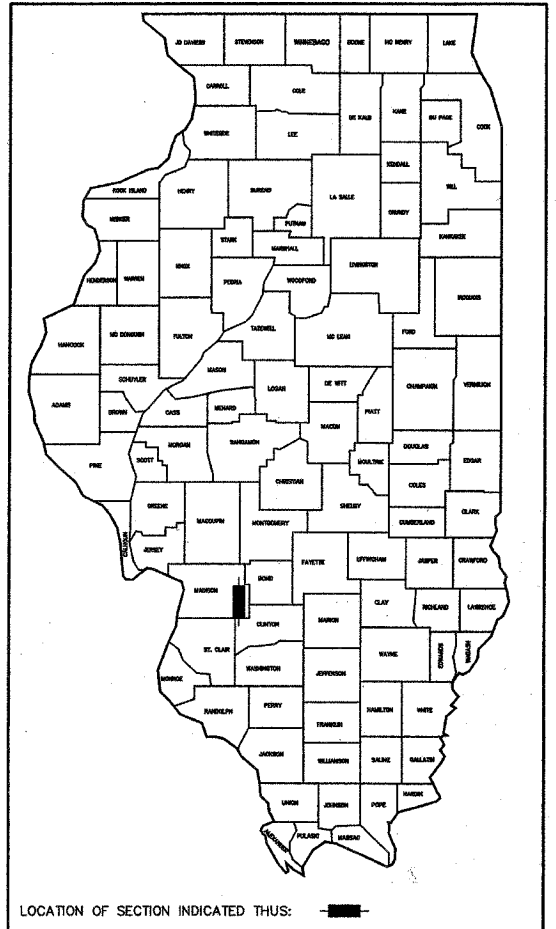
SCALE IN FEET
 PLAN 1" = 20'
 PROFILE HORIZ. 1" = 20'
 PROFILE VERT. 1" = 5'
 CROSS SECTIONS VERT. 1" = 5'
 CROSS SECTIONS HORIZ. 1" = 10'



LOCATION MAP
 SCALE: 1" = 4000'
 NET LENGTH OF POPLAR STREET = 1,850 FEET (0.350 MILE)
 NET LENGTH OF BROADWAY = 1,025 FEET (0.194 MILE)
 GROSS LENGTH OF PROJECT = 2,875 FEET (0.544 MILE)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	1
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
COVER SHEET				

CONTRACT NO. 97324



BROADWAY
 SECTION ENDS @ STA. 20+25.00
 CONSTRUCTION ENDS @ STA. 29+10



POPLAR STREET
 SECTION BEGINS @ STA. 15+50.00
 CONSTRUCTION BEGINS @ STA. 15+50.00

ILLINOIS DEPARTMENT OF TRANSPORTATION

APPROVED October 12 2007
Joseph R. Michaelis
 JOSEPH MICHAELIS MAYOR OF HIGHLAND

PASSED October 26 2007
[Signature]
 DISTRICT 8 ENGINEER OF LOCAL ROADS & STREETS

RELEASED FOR BID BASED ON LIMITED REVIEW October 26 2007
Mary Thomas
 DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER



Larry Thomason DATE: 10/12/07
 LARRY D. THOMASON, JR.
 IL P.E. NO. 062-051667



EXPIRES 11-30-2007

GENERAL NOTES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
GENERAL NOTES				

CONTRACT NO. 97324

1. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEIR LOCATIONS MUST BE CONSIDERED TO BE APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS NOT PRESENTLY KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID DAMAGE THERETO. ILLINOIS LAW REQUIRES A MINIMUM 48-HOUR NOTICE TO ALL UTILITY COMPANIES BEFORE DIGGING. FIELD LOCATIONS OF UNDERGROUND FACILITIES MAY BE OBTAINED BY CALLING THE J.U.L.I.E. SYSTEM AT 800-892-0123 AND PROVIDING 48 HOURS ADVANCE NOTICE. NON-J.U.L.I.E. MEMBERS MAY BE CONTACTED DIRECT. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT LIMITS ARE LISTED BELOW.
2. ANY FACILITIES OR APPURTENANCES WHICH ARE THE PROPERTY OF ANY PUBLIC UTILITY LOCATED WITHIN THE LIMITS OF CONSTRUCTION SHALL BE RELOCATED OR ADJUSTED BY THEIR RESPECTIVE OWNERS. THE CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE OWNERS OF ANY SUCH FACILITY IN THEIR REMOVAL AND REARRANGEMENT OPERATIONS IN ORDER THAT THESE OPERATIONS AND THE CONSTRUCTION OF THIS PROJECT MAY PROGRESS IN A REASONABLE MANNER. ALL ROADSIDE OBJECTS (UTILITY POLES, FIRE HYDRANTS, SIGNS, ETC.) SHALL BE RELOCATED TO PROVIDE A MINIMUM OF 2 FEET CLEARANCE, MEASURED FROM THE FACE OF CURB TO THE NEAR EDGE OF THE OBJECT.
3. THE FOLLOWING UTILITY COMPANIES MAY HAVE FACILITIES LOCATED WITHIN THE LIMITS OF CONSTRUCTION WHICH MAY REQUIRE ADJUSTMENT, RELOCATION OR REMOVAL. ALL ARE MEMBERS OF J.U.L.I.E., UNLESS NOTED OTHERWISE.

 CHARTER COMMUNICATIONS (CABLE TV)
 210 WEST DIVISION STREET
 MARYVILLE, IL 62062
 (618) 345-8121

 CITY OF HIGHLAND (WATER, SEWER & ELECTRIC)
 2610 PLAZA DRIVE
 HIGHLAND, IL 62249
 (618) 654-7511

 AMEREN IP (GAS & ELECTRIC)
 2900 NORTH CENTER
 MARYVILLE, IL 62062
 (618) 346-1287

 VERIZON COMMUNICATIONS (TELEPHONE)
 111 EAST STATE STREET
 MASCOUTAH, IL 62258
 (618) 566-9815
4. THE ABOVE INFORMATION REPRESENTS THE BEST INFORMATION AVAILABLE TO THE LOCAL AGENCY AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR HAS TAKEN THE FOREGOING INTO CONSIDERATION IN PREPARING HIS/HER BID, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY DELAYS OR INCONVENIENCE CAUSED BY SAME.
5. THE CONTRACTOR SHALL REMOVE, MAINTAIN IN A TEMPORARY LOCATION AND PERMANENTLY RESET ALL MAILBOXES, TRAFFIC SIGNS, STREET NAME SIGNS AND ALL PRIVATE AND COMMERCIAL SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS ACCORDING TO ARTICLES 107.20 AND 107.25 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND AS DIRECTED BY THE ENGINEER. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES BID FOR THE VARIOUS ITEMS OF WORK INVOLVED.
6. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE LOCAL POSTMASTER FOR APPROVAL OF THE TEMPORARY MAILBOX LOCATIONS.
7. THE CONTRACTOR SHALL PROVIDE SIZE 12"X12" BLOCKOUTS IN THE PROPOSED SIDEWALK FOR PLACEMENT OF SIGN POSTS AND MAILBOX SUPPORTS, AS DIRECTED BY THE ENGINEER.
8. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS AND COMMENCING CONSTRUCTION.
9. THE CONTRACTOR SHALL STAGE ALL WORK IN SUCH A WAY AS TO MAINTAIN INGRESS AND EGRESS TO ALL ABUTTING PROPERTIES AT ALL TIMES DURING CONSTRUCTION.
10. THE CONTRACTOR SHALL FERTILIZE, SEED AND MULCH ALL EARTH SURFACES DISTURBED BY CONSTRUCTION. SEE THE SEEDING SCHEDULE FOR ESTIMATED PLAN QUANTITIES.
11. WHERE TREE REMOVAL CONFLICTS WITH EXISTING UNDERGROUND UTILITIES, THE CONTRACTOR SHALL CUT THE TREE OFF AT THE GROUND LINE AND GRIND THE STUMP AS DIRECTED BY THE ENGINEER.
12. EARTH EXCAVATION INCLUDES THE REMOVAL OF THE EXISTING BITUMINOUS (OIL & CHIP) ROADWAY SURFACE AND AGGREGATE BASE. THE CONTRACTOR MAY INCORPORATE THESE MATERIALS INTO THE PROPOSED EMBANKMENT. SURPLUS AND/OR UNSUITABLE MATERIAL SHALL BE DISPOSED OUTSIDE THE LIMITS OF THE RIGHT OF ACCORDING TO ARTICLE 202.03 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION."
13. ANY UNSUITABLE MATERIAL ENCOUNTERED DURING CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR AND REPLACED WITH SUITABLE MATERIAL AS APPROVED BY THE ENGINEER. THIS WORK WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".
14. THE CONTRACTOR SHALL BENCH THE PROPOSED EMBANKMENT INTO THE EXISTING SLOPES TO THE SATISFACTION OF THE ENGINEER.
15. WHEN THE MILLING OPERATION COMMENCES, "ROUGH GROOVED SURFACE" (W8-1108-(0)-48) SIGNS SHALL BE PLACED BY THE CONTRACTOR AT EACH END OF THE SECTION, AND EACH INTERSECTING SIDE ROAD. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES BID FOR THE VARIOUS ITEMS OF WORK INVOLVED.

16. THE CONTRACTOR SHALL NOTE THE LOCATION OF ALL MANHOLE AND VALVE VAULT FRAMES AND LIDS LOCATED WITHIN THE RESURFACING LIMITS. APPROPRIATE CARE SHALL BE TAKEN TO PROTECT THESE ITEMS DURING MILLING OPERATIONS.
17. THE THICKNESS OF THE ASPHALT MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE ASPHALT MIXTURES ARE PLACED.
18. THE CONTRACTOR SHALL USE HIGH EARLY STRENGTH CONCRETE MIX FOR ALL PCC PATCHING.
19. THE CONTRACTOR SHALL COMPLETE ALL PAVEMENT PATCHING ON THIS PROJECT PRIOR TO ASPHALT SURFACE REMOVAL.
20. FULL DEPTH SAW CUTTING ON ALL EDGES FOR REMOVAL ITEMS SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEM INVOLVED ACCORDING TO SECTION 440 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION."
21. ALL EXISTING ROADWAY FEATURES SUCH AS PAVEMENT, CURB, SIDEWALK, DRIVEWAY PAVEMENT, CULVERTS, HEADWALLS, RIPRAP, FENCING, RETAINING WALLS, ETC. WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR UNLESS NOTED OTHERWISE ON THE PLANS. ALL MISCELLANEOUS FEATURES WHICH ARE TO BE REMOVED AND FOR WHICH THERE IS NO SPECIFIC PAY ITEM, WILL NOT BE MEASURED SEPARATELY FOR PAYMENT. THE COST OF THIS REMOVAL WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID FOR EARTH EXCAVATION.
22. STORM SEWER INVERTS SHOWN ON THE PLANS HAVE BEEN CALCULATED TO THE CENTER OF THE STRUCTURE. THE STORM SEWER SLOPES SHOWN ON THE PLANS IS THE PERCENT GRADE FROM CENTER TO CENTER OF STRUCTURE. THE LENGTH OF STORM SEWERS SHOWN ON THE PLANS IS THE DISTANCE FROM CENTER TO CENTER OF STRUCTURE. STORM SEWER SHALL BE MEASURED AND PAID FOR AS SPECIFIED IN ARTICLE 550.09 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION." FLARED END SECTIONS ARE LOCATED BY STATION, OFFSET AND FLOWLINE ELEVATION AT THE FLARED END OF THE FLARED END SECTION.
23. THE OFFSETS TO ALL INLETS AND MANHOLES ARE GIVEN TO THE CENTER OF THE OPENING AT THE BASE OF THE FRAME AND GRATE OR LID. CONCENTRIC DRAINAGE STRUCTURES WERE ASSUMED WHEN CALCULATING THESE DIMENSIONS.
24. THE CONTRACTOR SHALL INCLUDE THE COST OF MAKING CONNECTIONS TO EXISTING DRAINAGE STRUCTURES IN THE CONTRACT UNIT PRICE FOR THE STORM SEWER ITEMS INVOLVED.
25. ALL DRAINAGE STRUCTURES CONSTRUCTED, ADJUSTED OR RECONSTRUCTED UNDER THE CONTRACT, SHALL BE CLEANED OF ANY ACCUMULATION OF SILT, DEBRIS OR FOREIGN MATTER AT THE END OF EACH WORKING DAY AND AT THE TIME OF FINAL INSPECTION. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES BID FOR THE VARIOUS DRAINAGE STRUCTURE ITEMS INCLUDED IN THE CONTRACT.
26. THE CONTRACTOR SHALL APPLY SHORT-TERM PAVEMENT MARKINGS TO THE MILLED, PRIMED AND EACH ASPHALT SURFACE LAYER. WORK ZONE PAVEMENT MARKING REMOVAL PAYS FOR REMOVAL FROM FINAL SURFACE ONLY.
27. THE CONTRACTOR SHALL PLACE ALL TEMPORARY PAVEMENT MARKINGS IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
28. THE PAVEMENT MARKING LOCATIONS SHOWN IN THE PLANS ARE APPROXIMATE. PROPOSED CROSSWALKS AND STOP BARS MAY BE ADJUSTED BY THE CONTRACTOR, IF NECESSARY, TO MATCH FIELD CONDITIONS.
29. SEE THE SPECIAL PROVISIONS FOR OTHER INCIDENTAL CONSTRUCTION ITEMS AND OPERATIONS WHICH ARE TO BE INCLUDED WITH AND PAID FOR UNDER CERTAIN SPECIFICATION PAY ITEMS.
30. THE FOLLOWING ITEMS AND APPROXIMATE QUANTITIES ARE INCLUDED IN THE "SUMMARY OF QUANTITIES" IN ORDER TO ESTABLISH A UNIT COST FOR WORK WHICH MAY BE REQUIRED TO CONSTRUCT THIS SECTION. THE ACTUAL QUANTITY OF EACH ITEM SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

 ADJUSTING SANITARY SEWERS, 8-INCH DIAMETER OR LESS 163 FOOT
 AGGREGATE FOR TEMPORARY ACCESS 200 TON
31. THE FOLLOWING SYMBOLS, ABBREVIATIONS AND PATTERNS SUPPLEMENT OR SUPERCEDE HIGHWAY STANDARD 000001:

 AD ALGEBRAIC DIFFERENCE IN GRADE
 BVCE BEGINNING OF VERTICAL CURVE ELEVATION
 BVCS BEGINNING OF VERTICAL CURVE STATION
 BO BY OTHERS (USED IN CONJUNCTION WITH TBA & TBR)
 CONSTR CONSTRUCTION
 CP CONTROL POINT
 ESMT EASEMENT
 ELEV ELEVATION
 EVCE END OF VERTICAL CURVE ELEVATION
 EVCS END OF VERTICAL CURVE STATION
 FES FLARED END SECTION
 K LENGTH OF VERTICAL CURVE PER PERCENT GRADE DIFFERENCE
 N/F NOW OR FORMERLY
 O/C OIL AND CHIP
 PERM PERMANENT
 PVI POINT OF VERTICAL INTERSECTION
 PVC POLYVINYL CHLORIDE PIPE
 TCE TEMPORARY CONSTRUCTION EASEMENT
 TUP TEMPORARY USE PERMIT
 TBA TO BE ADJUSTED
 TBRL TO BE RELOCATED
 TYP TYPICAL
 W WIDTH

Summary of Commitments to Adjacent Property Owners

Parcel No.	Owner	Commitment
02-1-18-33-17-303-008	ROWE, VERNEDA	PENDING
01-1-24-04-05-102-006	JOHNSON, ARTHUR E, TRUSTEE	PENDING
01-1-24-04-05-102-007	JOHNSON, ARTHUR E, TRUSTEE	PENDING
01-1-24-04-05-102-008	FREY, LONNIE D & VICKI E	PENDING
01-1-24-04-05-102-020	CHILDERSON, DOUGLAS E.	City to replant a tree to replace the City owned tree located in front of this house. Owner wants two trees but only one tree is planned.
01-1-24-04-05-102-021	GELLY, MATTHEW C. & CARA M.	City to replant a tree of the owner's choice (tulip, see Sta. 19+50 LT) to replace tree lost to construction.
01-1-24-04-05-102-040	EMIG, ELMER & LOUISE E.	1) Earth grades shall be 4:1 or flatter. 2) Earth exc. from right of way and owner's property shall be deposited on owner's property at a location to be determined by a meeting between Contractor and owner (with City's concurrence). Property owner shall provide erosion control for the stockpiled soil. 3) Miscellaneous other commitments to be fulfilled by the City of Highland outside of the construction contract.

SUMMARY OF QUANTITIES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	3
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
SUMMARY OF QUANTITIES				

CONTRACT NO. 97324

CODE NO.	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODES		
				L 160 / POPLAR		POPLAR
				STATE	CMAQ	STU
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	54	8	46	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	252	46	158	48
20200100	EARTH EXCAVATION	CU YD	3,014	959	1088	967
20800150	TRENCH BACKFILL	CU YD	2,247	941	908	398
21101605	TOPSOIL FURNISH AND PLACE, 2"	SQ YD	4,881	1674	1964	1243
25000115	SEEDING, CLASS 1B	ACRE	1.1	0.4	0.4	0.3
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	99	36	36	27
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	99	36	36	27
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	99	36	36	27
25100115	MULCH, METHOD 2	ACRE	1.1	0.4	0.4	0.3
25100630	EROSION CONTROL BLANKET	SQ YD	967		967	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,120	448	392	280
28000400	PERIMETER EROSION BARRIER	FOOT	950	80	820	50
28000500	INLET AND PIPE PROTECTION	EACH	68	34	11	23
28100107	STONE RIPRAP, CLASS A4	SQ YD	316		316	
28200200	FILTER FABRIC	SQ YD	316		316	
31100910	SUB-BASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	4,270	2422	1848	
35100500	AGGREGATE BASE COURSE, TYPE A 6"	SQ YD	398	159	149	90
35400400	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 9"	SQ YD	107	5	32	70
35600712	HOT-MIX ASPHALT BASE COURSE WIDENING, 9"	SQ YD	155	107	30	18
40200500	AGGREGATE SURFACE COURSE, TYPE A 6"	SQ YD	298	15	134	149
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	200	45	90	65
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1,378	532	361	485
40600300	AGGREGATE (PRIME COAT)	TON	20	8	5	7
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	738	247	228	263
40603085	HOT-MIX ASPHALT BINDER COURSE, L-19.0, N70	TON	2,209	1074	847	288
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1,157	447	303	407
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	75	35	28	12
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	587	40	383	164
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	208	86	96	26
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	18,539	9638	6538	2363
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	1,278	661	527	90
42400800	DETECTABLE WARNINGS	SQ FT	553	343	158	52
44000100	PAVEMENT REMOVAL	SQ YD	4,841	2422	1848	371
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	5,972	2228	1181	2563
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	885	188	317	380
44000300	CURB REMOVAL	FOOT	2,892	1244	843	605
44000400	GUTTER REMOVAL	FOOT	43	43		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,679	503	944	232
44000600	SIDEWALK REMOVAL	SQ FT	10,858	5271	3586	2001
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	22	12	10	
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	111	43	16	52
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	731	207		524
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	3,877	907	870	2100

CODE NO.	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODES		
				L 160 / POPLAR		POPLAR
				STATE	CMAQ	STU
50105220	PIPE CULVERT REMOVAL	FOOT	27		27	
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	1		1	
54216190	REINFORCED CONCRETE PIPE TEE, 18" PIPE WITH 12" RISER	EACH	2			2
54216200	REINFORCED CONCRETE PIPE TEE, 24" PIPE WITH 12" RISER	EACH	1			1
54216210	REINFORCED CONCRETE PIPE TEE, 30" PIPE WITH 12" RISER	EACH	5	5		
54216220	REINFORCED CONCRETE PIPE TEE, 36" PIPE WITH 12" RISER	EACH	4	3	1	
55019500	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 12"	FOOT	823	325	189	309
55019600	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 15"	FOOT	62	56	6	
55019700	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 18"	FOOT	175	163	12	
55019900	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 24"	FOOT	347	53		294
55021600	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 12"	FOOT	174	85		89
55021800	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 18"	FOOT	254	41		213
55022200	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 30"	FOOT	440	440		
55022400	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 36"	FOOT	1,664	248	1416	
56100600	WATER MAIN 6"	FOOT	26	7	19	
56100800	WATER MAIN 10"	FOOT	449	181	268	
56105100	WATER VALVES 10"	EACH	1		1	
56108800	TAPPING VALVES AND SLEEVES 6"	EACH	1	1		
56200300	WATER SERVICE LINE 1"	FOOT	125	65	60	
56201400	CORPORATION STOPS 1"	EACH	5	3	2	
56300100	ADJUSTING SANITARY SEWERS, 8-INCH DIAMETER OR LESS	FOOT	163			163
56400710	FIRE HYDRANT AND VALVE (SPECIAL)	EACH	2	1	1	
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1		
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	2		1
60218500	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	1	1		
60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	5	2		3
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	11	3	8	
60222240	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	3		2	1
60230200	MANHOLES, SPECIAL, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1			1
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1			1
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	11	10		1
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	2		1	1
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	20	8	3	9
60238610	INLETS, TYPE A, WITH SALVAGED GRATE	EACH	1			1
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	9	7		2
60240328	INLETS, TYPE B, TYPE 24 FRAME AND GRATE	EACH	10	5	4	1
60242500	INLETS, SPECIAL, NO. 1	EACH	1		1	
60242600	INLETS, SPECIAL, NO. 2	EACH	1		1	
60242700	INLETS, SPECIAL, NO. 3	EACH	1			1
60242800	INLETS, SPECIAL, NO. 4	EACH	1			1
60248000	JUNCTION CHAMBER, NO. 1	EACH	1	1		
60248100	JUNCTION CHAMBER, NO. 2	EACH	1	1		
60255500	MANHOLES TO BE ADJUSTED	EACH	7	1	3	3
60255600	MANHOLES TO BE ADJUSTED (SPECIAL)	EACH	1			1

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODES		
				L 160 / POPLAR		POPLAR
				STATE	CMAQ	STU
60261540	INLETS TO BE ADJUSTED WITH NEW TYPE 24 FRAME AND GRATE	EACH	1			1
60266600	VALVE BOXES TO BE ADJUSTED	EACH	14	3	2	9
60500040	REMOVING MANHOLES	EACH	3		3	
60500060	REMOVING INLETS	EACH	11	4	4	3
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	2		2	
60600605	CONCRETE CURB, TYPE B	FOOT	189		107	82
60602400	CONCRETE GUTTER (SPECIAL)	FOOT	45	15		30
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	5,197	1923	1643	1631
60605900	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12	FOOT	276	149	127	
60606300	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12	FOOT	383	207	176	
60606521	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.24	FOOT	118		118	
60611600	COMBINATION CONCRETE CURB AND GUTTER, (SPECIAL)	FOOT	715	488	227	
67100100	MOBILIZATION	L SUM	1	0.40	0.40	0.20
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1	0.25	0.25	0.50
70101900	TRAFFIC CONTROL AND PROTECTION (DETOUR 1)	L SUM	1	0.50	0.50	
70102000	TRAFFIC CONTROL AND PROTECTION (DETOUR 2)	L SUM	1	0.50	0.50	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	2,088	910	806	372
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	81	51	30	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	570		570	
70300250	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1,672	898	774	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	689	300	266	123
72000100	SIGN PANEL - TYPE 1	SQ FT	401	254	96	51
72000105	SIGN PANEL - TYPE 1 (SPECIAL)	SQ FT	12		12	
72000205	SIGN PANEL - TYPE 2 (SPECIAL)	SQ FT	28	28		
72000305	SIGN PANEL - TYPE 3 (SPECIAL)	SQ FT	89	89		
72700200	TUBULAR STEEL SIGN SUPPORT - BREAKAWAY	POUND	751	751		
72900100	METAL POST - TYPE A	FOOT	63	12		51
72900200	METAL POST - TYPE B	FOOT	626	358	211	57
73000100	WOOD SIGN SUPPORT	FOOT	177	128	34	15
73400100	CONCRETE FOUNDATIONS	CU YD	4.2	4.2		
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	117	81	36	
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4,835	1254	1133	2448
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2,963	191	694	2078
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1,672	898	774	
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	68	68		
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	796	384	160	252
78006100	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	83	8	15	60
78200300	PRISMATIC CURB REFLECTOR	EACH	108	74	34	
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	0.50	0.50	
89502380	REMOVE EXISTING HANDHOLE	EACH	4	2	2	
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	5	3	2	
A2001120	TREE, ACER RUBRUM OCTOBER GLORY (OCTOBER GLORY RED MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	4	1	3	
A2001220	TREE, ACER RUBRUM RED SUNSET (RED SUNSET RED MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	4	2	1	1
A2003570	TREE, FRAXINUS AMERICANA AUTUMN PURPLE (AUTUMN PURPLE WHITE ASH), 8" HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	2		1	1

CODE NO.	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODES		
				IL 160 / POPLAR		POPLAR
				STATE	CMAQ	STU
A2005420	TREE, LIRODENDRON TULIPIFERA (TULIP TREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2		2	
A2007120	TREE, QUERCUS RUBRA (RED OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2		2	
B2001168	TREE, CERCIS CANADENSIS (EASTERN REDBUD) 7' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	8	2	5	1
B2001386	TREE, CORNUS FLORIDA (FLOWERING DOGWOOD), 6' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	10	1	5	4
C2C02618	SHRUB, EUONYMUS ALATA COMPACTA (DWARF WINGED EUONYMUS), 18" HEIGHT, CONTAINER	EACH	14			14
D2001872	EVERGREEN, PICEA GLAUCA (WHITE SPRUCE), 6' HEIGHT, BALLED AND BURLAPPED	EACH	2	1	1	
D2002088	EVERGREEN, PICEA OMORIKA (SERBIAN SPRUCE), 8' HEIGHT, BALLED AND BURLAPPED	EACH	2	1	1	
D2002288	EVERGREEN, PICEA PUNGENS GLAUCA (COLORADO BLUE SPRUCE), 8' HEIGHT, BALLED AND BURLAPPED	EACH	2	2		
LR430030	CONCRETE PAVER PAVEMENT	SQ YD	658	286	372	
X7800200	PAINT PAVEMENT MARKING CURB	FOOT	646	419	227	
XX000731	CASING PIPE	FOOT	182		182	
XX002176	CONCRETE STEP REMOVAL	L SUM	1			1
XX003470	SANITARY CLEANOUT 6"	EACH	2			2
XX005431	LOCATING UNDERGROUND UTILITY	EACH	20	1	12	7
XX146400	STORM SEWER REMOVAL	FOOT	516	45	395	76
Z0015000	CURB STOPS 1"	EACH	5	3	2	

• SPECIALITY ITEMS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	D6-00056-01-WR	MADISON	81	4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
SUMMARY OF QUANTITIES				

CONTRACT NO. 97324

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	5
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SCHEDULES
CONTRACT NO. 97324

PAVEMENT SCHEDULE

STATION	STATION	SUB GRAN MAT A 12	AGG BASE CSE A 6	PCC BASE CSE W 9	HMA BC WID 9	BIT MATLS PR CT	AGG PR CT	LEV BIND MM N70	HMA BC IL-19.0 N70	HMA SC "D" N70	INCIDENTAL HMA SURF	PAVEMENT REM	HMA SURF FEM VAR DP	STRIP REF CR CON TR
		31100910 (SQ YD)	35100500 (SQ YD)	35400400 (SQ YD)	35600712 (SQ YD)	(NOTE 1) 40600100 (GALLON)	(NOTE 2) 40600300 (TON)	(NOTE 3) 40600635 (TON)	40603085 (TON)	(NOTES 3 & 4) 40603340 (TON)	(NOTE 3) 40800050 (TON)	44000100 (SQ YD)	44000198 (SQ YD)	44300200 (FOOT)
POPLAR STREET														
15+50	18+36	823		16		121	2	38	289	101		823	145	211
18+92	22+60	1,134		5	107	270	4	128	583	226		1,134	1,165	619
22+60	27+54			48	18	240	4	156		201		282	1,257	597
27+54	29+35			22		79	1	51	71	67		29	183	547
29+35	34+00					166	2	56	217	139		60	1,123	956
IL ROUTE 160 / BROADWAY														
10+00	13+68	1,288	153			262	4	119	491	221	34	1,288	1,063	288
14+20	19+70	1,025	83	14	30	240	3	190	558	202	19	1,025	736	659
TOTAL		4,270	236	107	155	1,378	20	738	2,209	1,157	53	4,641	5,972	3,877

PAVEMENT NOTES:

1. BITUMINOUS MATERIALS PRIME COAT QUANTITIES CALCULATED AT A RATE OF 0.10 GAL/SQ YD. FIELD ENGINEER SHALL VERIFY FINAL APPLICATION RATE.
2. AGGREGATE (PRIME COAT) QUANTITIES CALCULATED AT A RATE OF 3 LBS/SQ YD. FIELD ENGINEER SHALL VERIFY FINAL APPLICATION RATE.
3. INCIDENTAL HOT-MIX ASPHALT SURFACE, HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, AND LEVELING BINDER (MACHINE METHOD), N70 QUANTITIES CALCULATED AT A RATE OF 112 LB./SQ. YD. PER INCH THICKNESS.
4. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, NOMINAL THICKNESS IS 1 1/2"

SIDEWALK SCHEDULE

STATION	STATION	PC CONC SIDEWALK 4 (NOTE 1) 42400100 (SQ FT)	PC CONC SIDEWALK 6 42400300 (SQ FT)	DETECTABLE WARNINGS 42400800 (SQ FT)	SIDEWALK REM 44000600 (SQ FT)
POPLAR STREET					
15+75	18+35	2344	89	71	1449
18+93	22+60	6317	490	192	3750
22+60	27+54	1312	90	16	943
27+54	29+35	854		26	703
29+35	34+00	197		10	355
IL ROUTE 160 / BROADWAY					
10+00	13+68	3321	171	151	1521
14+20	19+70	4194	438	87	2137
TOTAL		18,539	1,278	553	10,858

SIDEWALK NOTES:

1. SIDEWALK RAMPS ACCESSIBLE TO THE DISABLED ARE REQUIRED. SEE PLAN SHEETS FOR LOCATIONS AND TYPES. SEE HIGHWAY STANDARD 424001 FOR SIDEWALK RAMP DETAILS.

CURB & GUTTER SCHEDULE

STATION	STATION	CURB REM	GUTTER REM	COMB CONC GUTTER REM	CLASS SI CONC OUTLET	CONC CURB TB	GUTTER SPL	COMB CC&G TB6.24	COMB CC&G TB9.12	COMB CC&G TM2.12	COMB CC&G TM2.24	COMB CC&G SPL
		44000300 (FOOT)	44000400 (FOOT)	44000500 (FOOT)	60600095 (CU YD)	60600605 (FOOT)	60602400 (FOOT)	60605000 (FOOT)	60605900 (FOOT)	60608300 (FOOT)	60608521 (FOOT)	60611600 (FOOT)
POPLAR STREET												
15+75	18+35	5		609		35		501	58	81	39	114
18+93	22+60	457	43	477			15	1067	80	111		228
22+60	27+54	435		38			30	777				
27+54	29+35	139		163				388				
29+35	34+00	31		31		82		466				
IL ROUTE 160 / BROADWAY												
10+00	13+68	787		26				856	69	96		260
14+20	20+25	838		335	2	72		1142	69	95	79	113
TOTAL		2,692	43	1,679	2	189	45	5,197	276	383	118	715

NOTES:

1. DEPRESSED CURB THROUGH ENTRANCES AND ALLEYS SHALL BE PAID FOR PER FOOT OF COMBINATION CONCRETE CURB AND GUTTER TYPE B6.24.
2. THE CURB AND GUTTER BOUNDING THE MULTI-USE PATH CROSSING AT STA. 19+78 LT AND STA. 22+45 RT SHALL BE CONSTRUCTED AS COMBINATION CONCRETE CURB AND GUTTER (SPECIAL). THE CURBING FORMING THE GORE AT STA. 22+00 RT AND THE GORE PAVEMENT SHALL BE PAID FOR AS COMBINATION CONCRETE CURB AND GUTTER (SPECIAL). THE GORE PAVEMENT WILL NOT BE PAID FOR SEPARATELY.

EARTHWORK SCHEDULE

STATION	STATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE (+) OR SHORTAGE (-)
		20200100 (CU YD)	(NOTE 1) (CU YD)	(NOTE 2) (CU YD)	(NOTE 3) (CU YD)
POPLAR STREET					
15+75	18+00	117	88	37	51
18+00	19+50	610	458	861	-403
19+50	22+60	396	297	88	209
22+60	27+54	114	86	157	-71
27+54	29+35	156	117	10	107
29+35	34+00	697	523	12	511
IL ROUTE 160 / BROADWAY					
10+00	13+68	258	194	165	29
14+20	20+25	666	500	322	178
TOTAL		3,014	2,263	1,652	611

EARTHWORK NOTES:

1. ESTIMATED SHRINKAGE FACTOR = 25%.
2. APPROXIMATE EMBANKMENT QUANTITY IS SHOWN FOR INFORMATION ONLY.
3. APPROXIMATE EARTHWORK BALANCE IS SHOWN FOR INFORMATION ONLY.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	6
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
SCHEDULES				

CONTRACT NO. 97324

UTILITY ADJUSTMENTS

STATION	STATION	OFFSET	TRENCH BACKFILL (CU YD)	WATER MAIN 6 (FOOT)	WATER MAIN 10 (FOOT)	WATER VALVES 10 (EACH)	TAP VALVE & SLEEVE 6 (EACH)	WATER SERV LINE 1 (FOOT)	CORP STOPS 1 (EACH)	ADJ SAN SEWER 8 LESS (FOOT)	FIRE HYDNT & VAL SPL (EACH)	MAN ADJUST (EACH)	MAN ADJUST SPL (EACH)	VALVE BOX AJUST (EACH)	CASING PIPE (FOOT)	SANITARY CLEANOUT 6 (EACH)	CURB STOPS 1 (FOOT)
POPLAR STREET																	
16+31		34.4' LT										1					
17+24		21.2' LT										1					
19+15		21' LT												1			
20+29		41.2' LT										1					
20+37		58.4' LT												1			
22+27		28.5' LT												1			
26+01		27' LT												1			
26+10	27+58	RT	10						183				1			2	
26+47		1' LT												1			
27+08		21' LT												1			
27+42		18.8' LT												1			
27+62		30.3' LT												1			
27+62		8' RT												1			
29+22		18.2' LT												1			
29+24		16.4' LT												1			
29+41		9.5' RT										1					
31+22		8.6' RT										1					
32+78		11.2' RT										1					
33+18		16.7' RT												1			
IL 160 / BROADWAY																	
11+71	13+26	RT	4	7	181		1				1						
12+00		RT						25	1								1
12+40		RT						20	1								1
12+85		RT						20	1								1
13+26	15+64	RT	13		268	1									182		
13+30		RT						20	1								1
15+50		RT						40	1								1
16+21		28' LT												1			
16+24		7.4' RT												1			
16+34		2.6' RT										1					
16+54	16+58	LT	2	19							1						
			29	26	449	1	1	125	5	163	2	7	1	14	182	2	5

- NOTES:
1. THE CITY OF HIGHLAND WATER DEPARTMENT WILL LOCATE EXISTING WATER SERVICES AND DESIGNATE THE LOCATION OF THE PROPOSED WATER SERVICES.
 2. WATER MAIN 6" AND WATER MAIN 10" SHALL INCLUDE ALL FITTINGS, BENDS, AND TEES. WATER MAIN PIPE SHALL BE MEASURED ALONG THE CENTERLINE OF THE PIPE AND THROUGH ALL FITTINGS.
 3. HYDRANT ASSEMBLY STATION AND OFFSET IS THE CENTER OF THE FIRE HYDRANT. SEE DETAIL FOR PAY LENGTH OF HYDRANT ASSEMBLY. WATER MAIN NEEDED BEYOND THIS PAY LENGTH SHALL BE PAID FOR AS WATER MAIN 6".

LOCATING UNDERGROUND UTILITY SCHEDULE

STATION	OFFSET	OFFSET DISTANCE (FOOT)	UTILITY	LOC UNDERGR UTILITY XX005431 (EACH)	TRENCH BACKFILL (NOTE 1) (CU YD)
POPLAR STREET					
22+27	LT	40	WATER	1	2
25+25	RT	1	GAS	1	1
25+46	LT	27	WATER	1	2
26+02	LT	43	WATER	1	2
26+75	LT	23	WATER	1	2
27+58	LT	23	SANITARY	1	2
27+62	LT	23	GAS	1	1
29+69	RT	10	SANITARY	1	2
IL ROUTE 160 / BROADWAY					
14+48	RT	54	GAS	1	1
15+80	RT	31	MISC DRAIN	1	1
16+00	RT	9	WATER	1	2
16+22	LT	22	WATER	1	2
16+25	LT	22	SANITARY	1	2
17+30	RT	17	WATER	1	2
17+70	RT	17	MISC DRAIN	1	1
17+70	LT	3	WATER	1	2
17+70	LT	7	SANITARY	1	2
25+38	LT	18	WATER	1	2
26+05	LT	21	WATER	1	2
26+34	LT	20	WATER	1	2
TOTAL				20	35

- LOCATE UNDERGROUND UTILITY NOTES:
1. TRENCH BACKFILL QUANTITY IS SHOWN FOR INFORMATION ONLY. THE COST FOR TRENCH BACKFILL, IF REQUIRED, SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR LOCATE UNDERGROUND UTILITY.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	D6-00056-01-WR	MADISON	81	7
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
EXISTING TYPICAL SECTIONS (POPLAR STREET)				

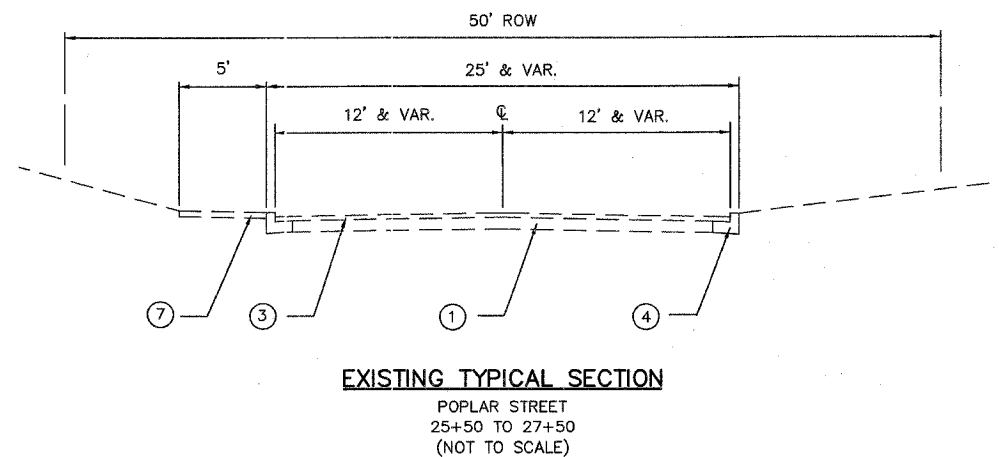
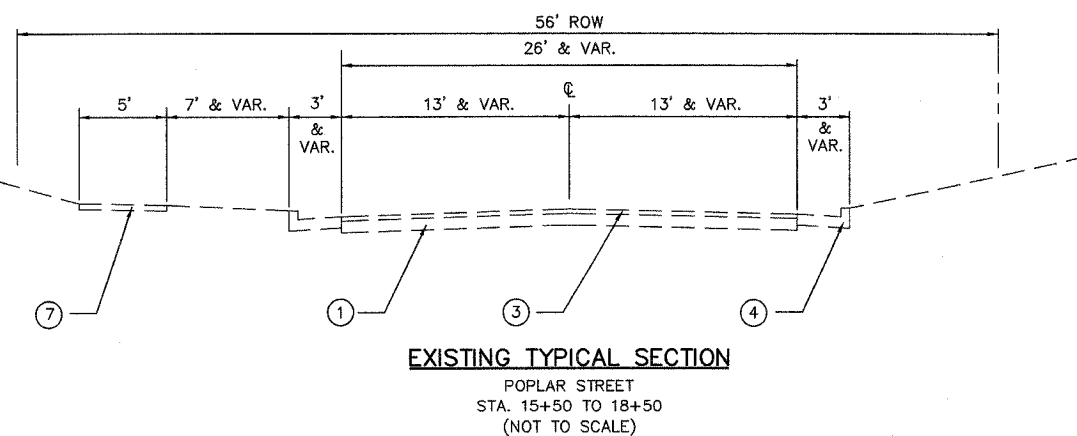
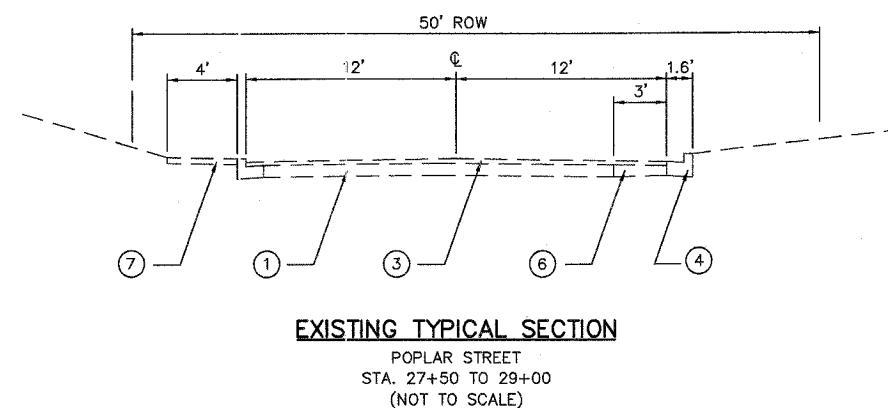
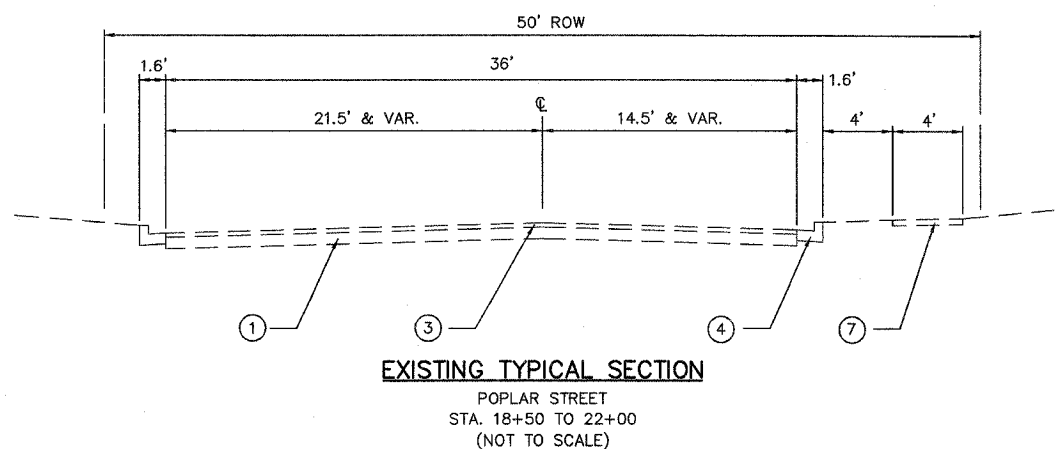
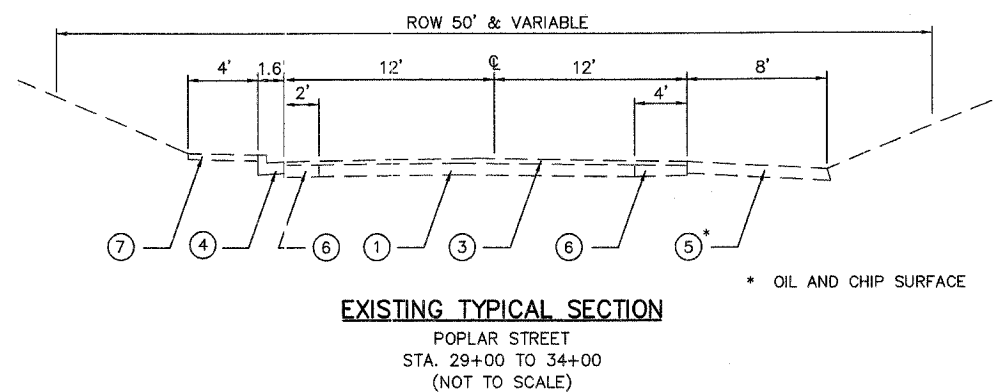
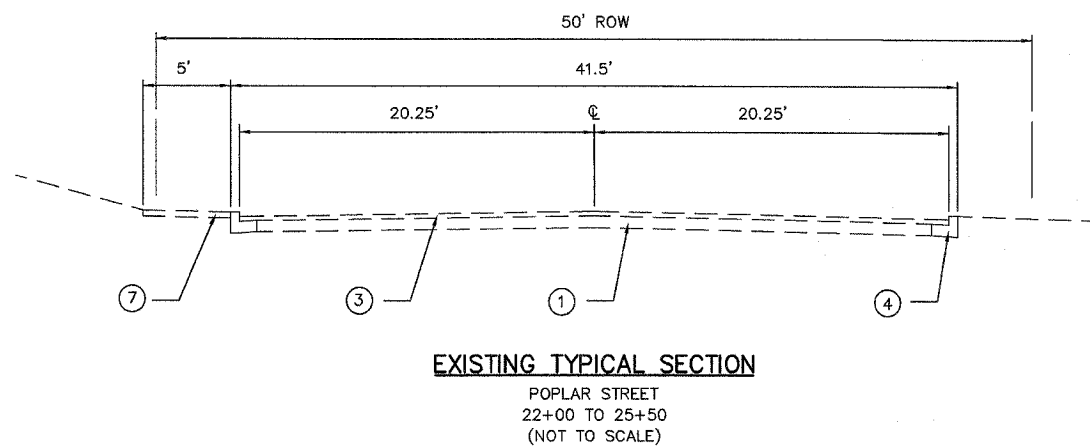
CONTRACT NO. 97324

LEGEND

- ① EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 8"
- ② EXISTING BITUMINOUS AGGREGATE BASE COURSE, 8"
- ③ EXISTING HOT-MIX ASPHALT SURFACE, 3"
- ④ EXISTING COMBINATION CONCRETE CURB AND GUTTER
- ⑤ EXISTING AGGREGATE SHOULDER
- ⑥ EXISTING HOT-MIX ASPHALT BASE COURSE WIDENING
- ⑦ EXISTING PORTLAND CEMENT CONCRETE SIDEWALK, 4"
- ⑧ EXISTING PAVEMENT WIDENED AS SHOWN ON THE PLANS
- ⑨ PROPOSED LEVELING BINDER (MACHINE METHOD), N70, VARIABLE DEPTH, MINIMUM THICKNESS 3/4"
- ⑩ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1-1/2"
- ⑪ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (SEE HIGHWAY STANDARD 606001)
- ⑫ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 4" (SEE HIGHWAY STANDARD 424001)
- ⑬ HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

DATE	
BY	
SURVEYED	
FLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
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NOTE BOOK	
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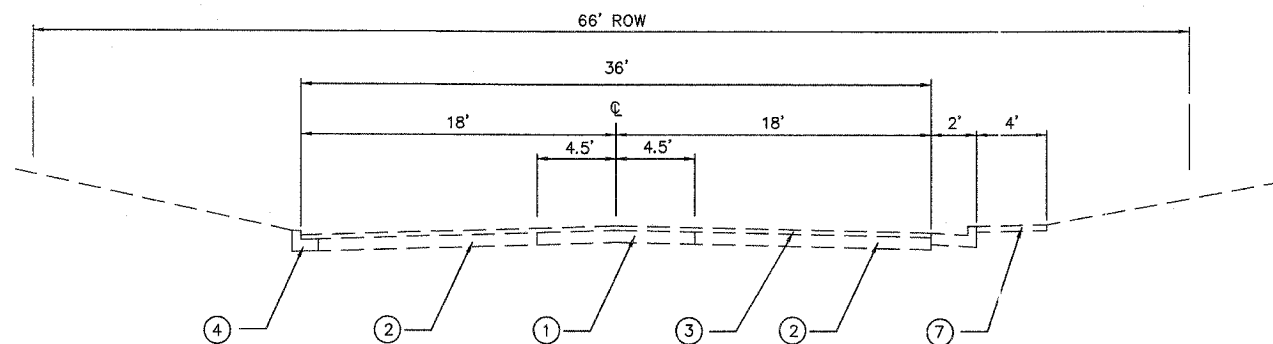


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	D6-00056-01-WR	MADISON	81	8
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
EXISTING TYPICAL SECTIONS (BROADWAY)				

CONTRACT NO. 97324

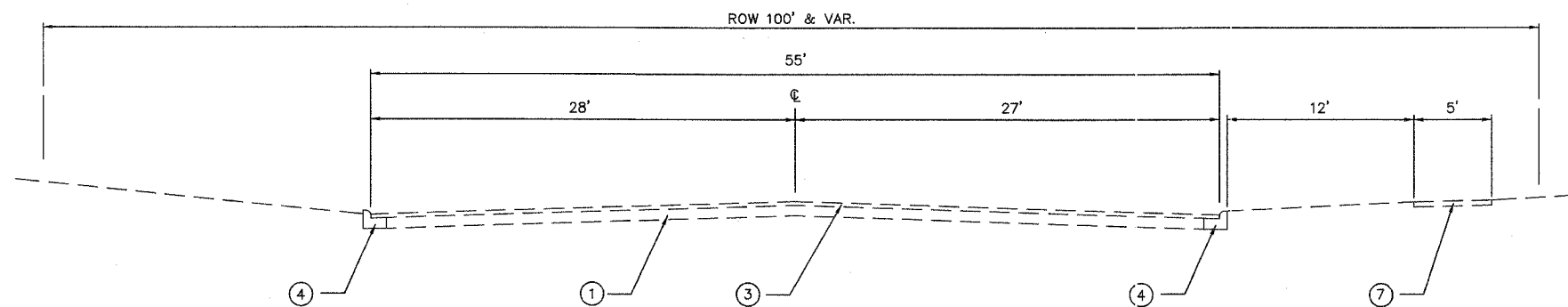
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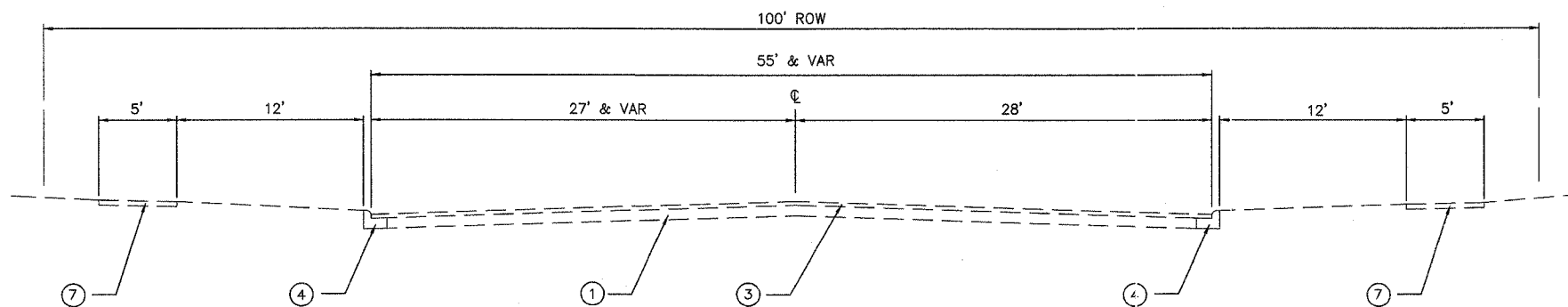
EXISTING TYPICAL SECTION

BROADWAY STREET
STA. 14+00 TO 16+50
(NOT TO SCALE)



EXISTING TYPICAL SECTION

BROADWAY STREET
STA. 11+50 TO 14+00
(NOT TO SCALE)



EXISTING TYPICAL SECTION

BROADWAY STREET
STA. 10+00 TO 11+50
(NOT TO SCALE)

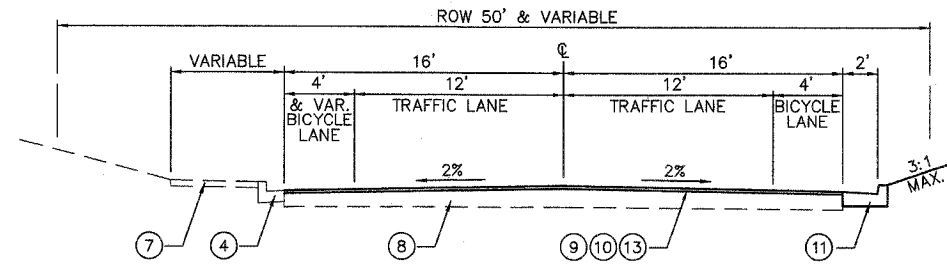
LEGEND

- ① EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 8"
- ② EXISTING BITUMINOUS AGGREGATE BASE COURSE, 8"
- ③ EXISTING HOT-MIX ASPHALT SURFACE, 3"
- ④ EXISTING COMBINATION CONCRETE CURB AND GUTTER
- ⑤ EXISTING AGGREGATE SHOULDER
- ⑥ EXISTING HOT-MIX ASPHALT BASE COURSE WIDENING
- ⑦ EXISTING PORTLAND CEMENT CONCRETE SIDEWALK, 4"
- ⑧ EXISTING PAVEMENT WIDENED AS SHOWN ON THE PLANS
- ⑨ PROPOSED LEVELING BINDER (MACHINE METHOD), N70, VARIABLE DEPTH, MINIMUM THICKNESS 3/4"
- ⑩ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1-1/2"
- ⑪ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (SEE HIGHWAY STANDARD 606001)
- ⑫ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 4" (SEE HIGHWAY STANDARD 424001)
- ⑬ HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

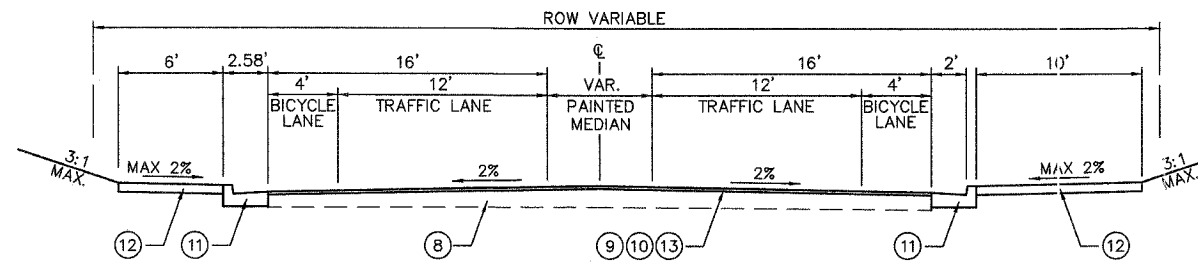
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
B852	06-00056-01-WR	MADISON	81	10
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
PROPOSED TYPICAL SECTIONS (POPLAR STREET)				
CONTRACT NO. 97324				

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

DATE	BY
ORIGINAL SURVEY PLOTTED	
NOTE BOOK TEMPLATE	
AREAS CHECKED	
NO.	

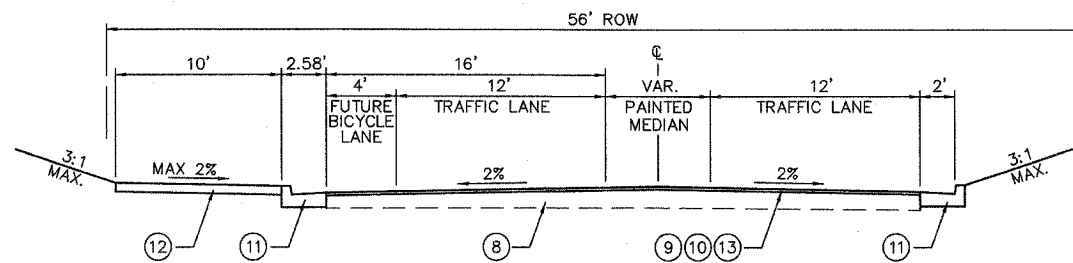


PROPOSED TYPICAL SECTION
POPLAR STREET
STA. 22+50 TO 25+20
(NOT TO SCALE)

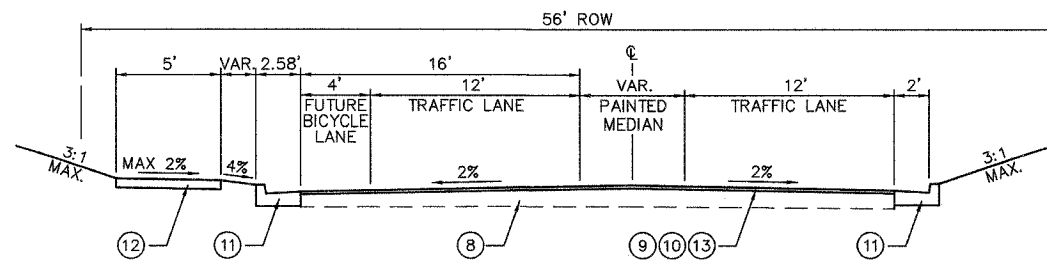


PROPOSED TYPICAL SECTION
POPLAR STREET
STA. 20+00 TO 22+50
(NOT TO SCALE)

* STA. 17+35 TO STA. 20+00
SEE ROUNDABOUT
DETAIL



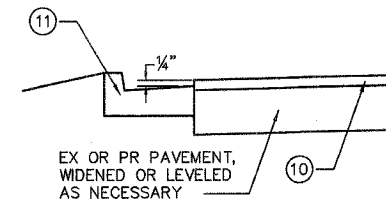
PROPOSED TYPICAL SECTION
POPLAR STREET
STA. 16+75 TO 17+35
(NOT TO SCALE)



PROPOSED TYPICAL SECTION
POPLAR STREET
STA. 15+50 TO 16+75
(NOT TO SCALE)

LEGEND

- ① EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 8"
- ② EXISTING BITUMINOUS AGGREGATE BASE COURSE, 8"
- ③ EXISTING HOT-MIX ASPHALT SURFACE, 3"
- ④ EXISTING COMBINATION CONCRETE CURB AND GUTTER
- ⑤ EXISTING AGGREGATE SHOULDER
- ⑥ EXISTING HOT-MIX ASPHALT BASE COURSE WIDENING
- ⑦ EXISTING PORTLAND CEMENT CONCRETE SIDEWALK, 4"
- ⑧ EXISTING PAVEMENT WIDENED AS SHOWN ON THE PLANS
- ⑨ PROPOSED LEVELING BINDER (MACHINE METHOD), N70, VARIABLE DEPTH, MINIMUM THICKNESS 3/4"
- ⑩ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1-1/2"
- ⑪ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (SEE HIGHWAY STANDARD 606001)
- ⑫ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 4" (SEE HIGHWAY STANDARD 424001)
- ⑬ HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH



PROPOSED RESURFACING DETAIL

STRUCTURAL DESIGN DATA

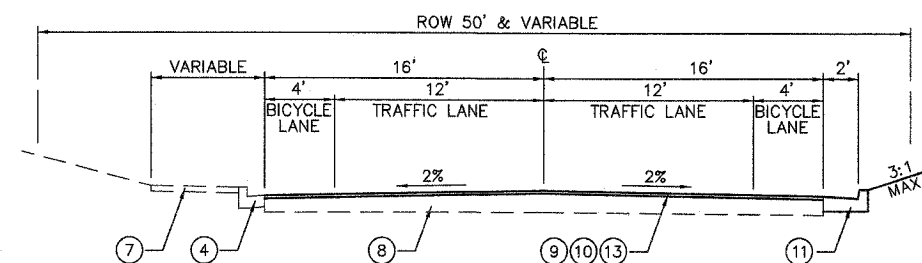
STRUCTURAL DESIGN TRAFFIC (S.D.T.) = 12,050 (S.D.T.) YEAR = 2018
P.V. 11,604 (96.3%) S.U. = 325 (2.7%) M.U. 121 (1.0%)
TRAFFIC FACTOR (T.F.) = 0.85
SUBGRADE SUPPORT RATING = POOR
USE: 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
9" HOT MIX ASPHALT BINDER COURSE, IL-19.0, N70
12" SUB-BASE GRANULAR MATERIAL, TYPE A 12"

HOT-MIX ASPHALT MIX DESIGN DATA

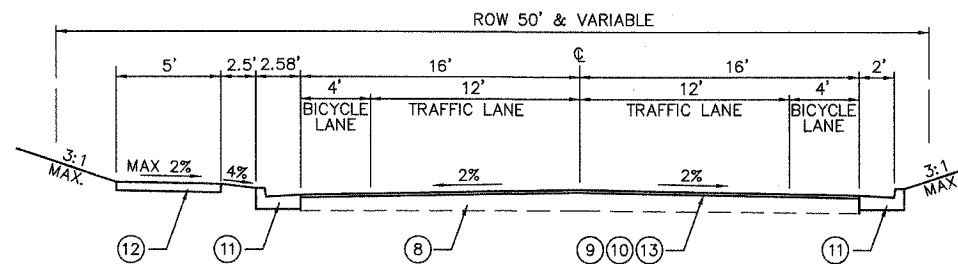
MIXTURE USE:	BASE CSE WD	SURF CSE	BINDER CSE	LEVEL BIND	INCIDENTAL
AC/PG:	PG 64-22	SBS PG 70-22	PG 64-22	PG 64-22	PG 64-22
MAX. RAP %:	15%	10%	15%	10%	10%
DESIGN AIR VOIDS:	4% @ Ndes=70	4% @ Ndes=70	4% @ Ndes=70	4% @ Ndes=70	4% @ Ndes=70
MIXTURE COMPOSITION:			IL 19.0		
FRICTION AGGREGATE:	BSE CSE	MIXTURE D	MIXTURE B	MIXTURE C	MIXTURE C

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	D6-00056-01-WR	MADISON	81	11
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
PROPOSED TYPICAL SECTIONS (POPLAR STREET)				
CONTRACT NO. 97324				

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



PROPOSED TYPICAL SECTION
POPLAR STREET
STA. 29+75 TO 34+00
(NOT TO SCALE)



PROPOSED TYPICAL SECTION
POPLAR STREET
STA. 25+20 TO 29+75
(NOT TO SCALE)

LEGEND

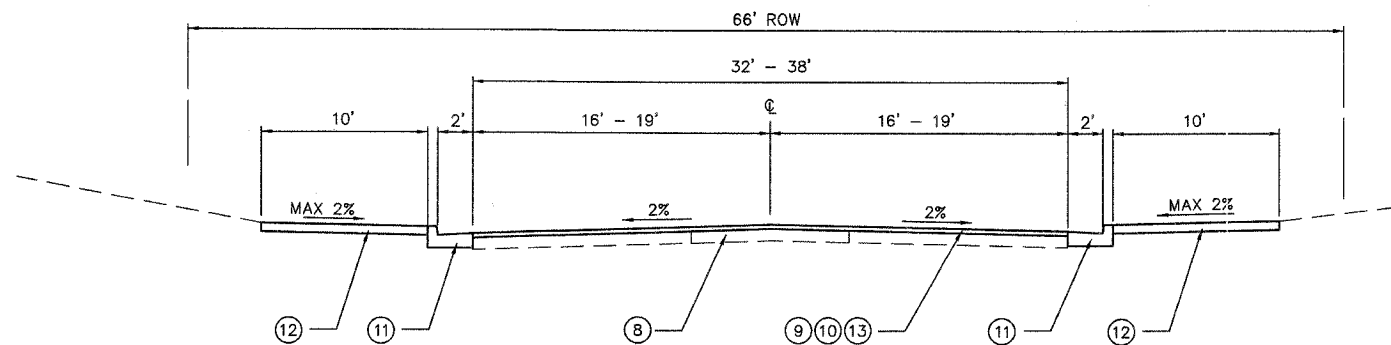
- ① EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 8"
- ② EXISTING BITUMINOUS AGGREGATE BASE COURSE, 8"
- ③ EXISTING HOT-MIX ASPHALT SURFACE, 3"
- ④ EXISTING COMBINATION CONCRETE CURB AND GUTTER
- ⑤ EXISTING AGGREGATE SHOULDER
- ⑥ EXISTING HOT-MIX ASPHALT BASE COURSE WIDENING
- ⑦ EXISTING PORTLAND CEMENT CONCRETE SIDEWALK, 4"
- ⑧ EXISTING PAVEMENT WIDENED AS SHOWN ON THE PLANS
- ⑨ PROPOSED LEVELING BINDER (MACHINE METHOD), N70, VARIABLE DEPTH, MINIMUM THICKNESS 3/4"
- ⑩ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1-1/2"
- ⑪ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (SEE HIGHWAY STANDARD 606001)
- ⑫ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 4" (SEE HIGHWAY STANDARD 424001)
- ⑬ HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

ORIGINAL SURVEY PLOTTED	BY	DATE
NOTE BOOK TEMPLATE		
AREAS CHECKED		
NO.		

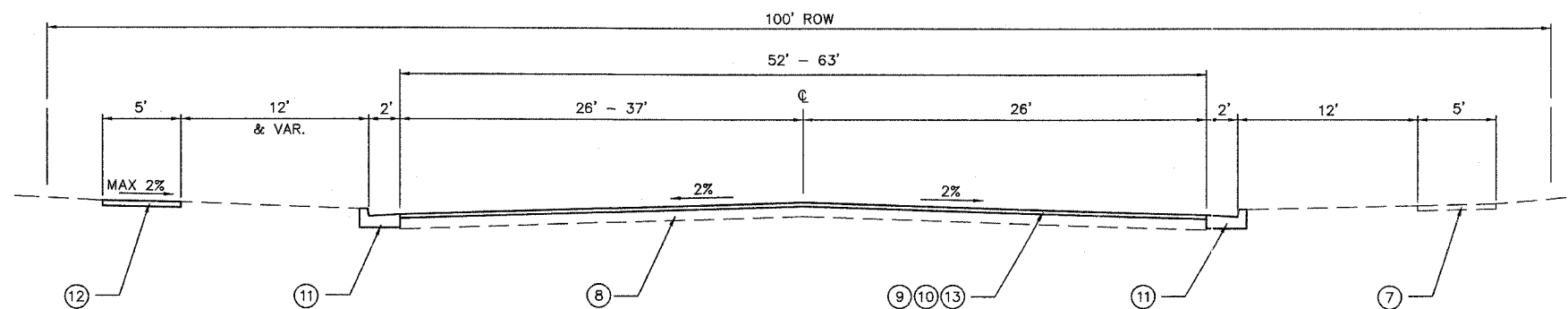
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	D6-00056-01-WF	MADISON	81	12
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
PROPOSED TYPICAL SECTIONS (BROADWAY)				
CONTRACT NO. 97324				

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

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS CHECKED		
NO.		

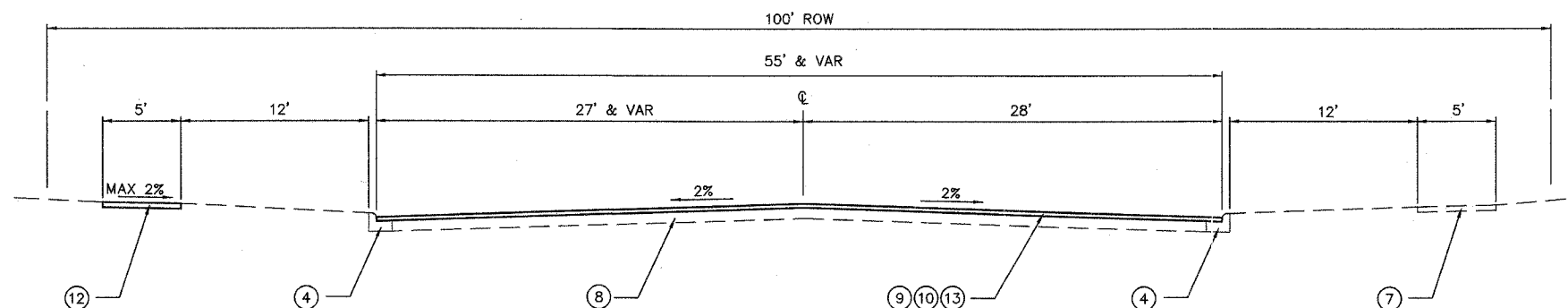


PROPOSED TYPICAL SECTION
 BROADWAY STREET
 STA. 15+35 TO 15+85
 (NOT TO SCALE)



PROPOSED TYPICAL SECTION
 BROADWAY STREET
 STA. 10+85 TO 11+90
 (NOT TO SCALE)

* STA. 11+90 TO STA. 15+35
 SEE ROUNDABOUT
 DETAIL



PROPOSED TYPICAL SECTION
 BROADWAY STREET
 STA. 10+00 TO 10+85
 (NOT TO SCALE)

LEGEND

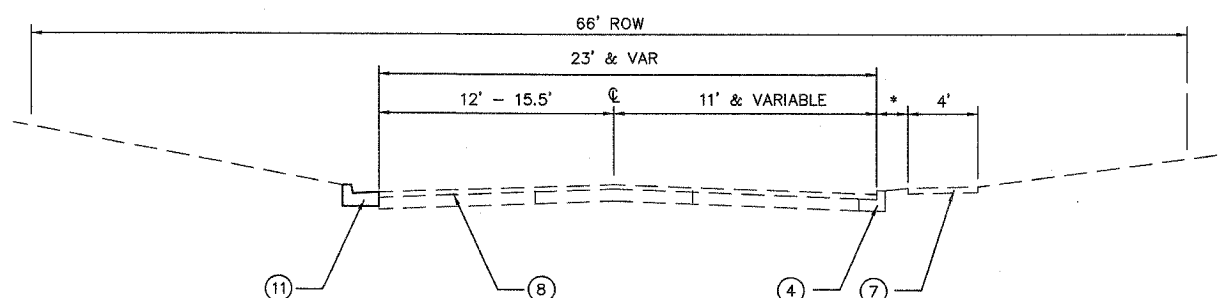
- ① EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 8"
- ② EXISTING BITUMINOUS AGGREGATE BASE COURSE, 8"
- ③ EXISTING HOT-MIX ASPHALT SURFACE, 3"
- ④ EXISTING COMBINATION CONCRETE CURB AND GUTTER
- ⑤ EXISTING AGGREGATE SHOULDER
- ⑥ EXISTING HOT-MIX ASPHALT BASE COURSE WIDENING
- ⑦ EXISTING PORTLAND CEMENT CONCRETE SIDEWALK, 4"
- ⑧ EXISTING PAVEMENT WIDENED AS SHOWN ON THE PLANS
- ⑨ PROPOSED LEVELING BINDER (MACHINE METHOD), N70, VARIABLE DEPTH, MINIMUM THICKNESS 3/4"
- ⑩ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1-1/2"
- ⑪ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (SEE HIGHWAY STANDARD 606001)
- ⑫ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 4" (SEE HIGHWAY STANDARD 424001)
- ⑬ HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	D6-00056-01-WR	MADISON	81	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
PROPOSED TYPICAL SECTIONS (BROADWAY)				

CONTRACT NO. 97324

FINAL SURVEY PLOTTED	DATE
NOTE BOOK	
AREAS CHECKED	
NO.	

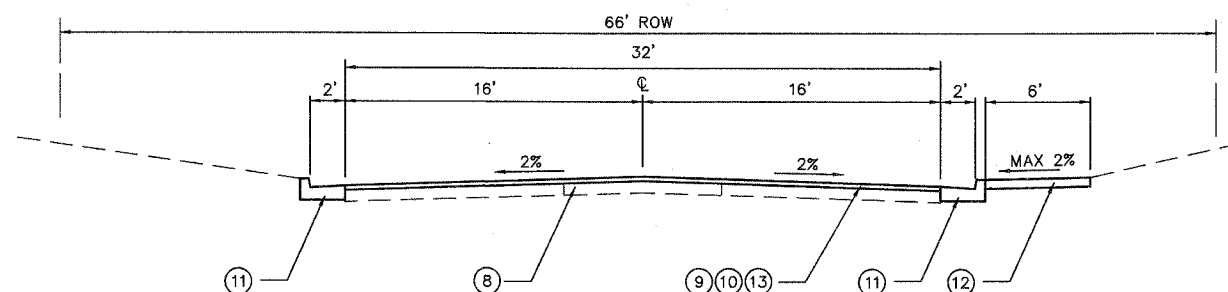
ORIGINAL SURVEY PLOTTED	DATE
NOTE BOOK	
AREAS CHECKED	
NO.	



PROPOSED TYPICAL SECTION

BROADWAY STREET
STA. 24+75 TO 26+75.75
(NOT TO SCALE)

* VARIABLE



PROPOSED TYPICAL SECTION

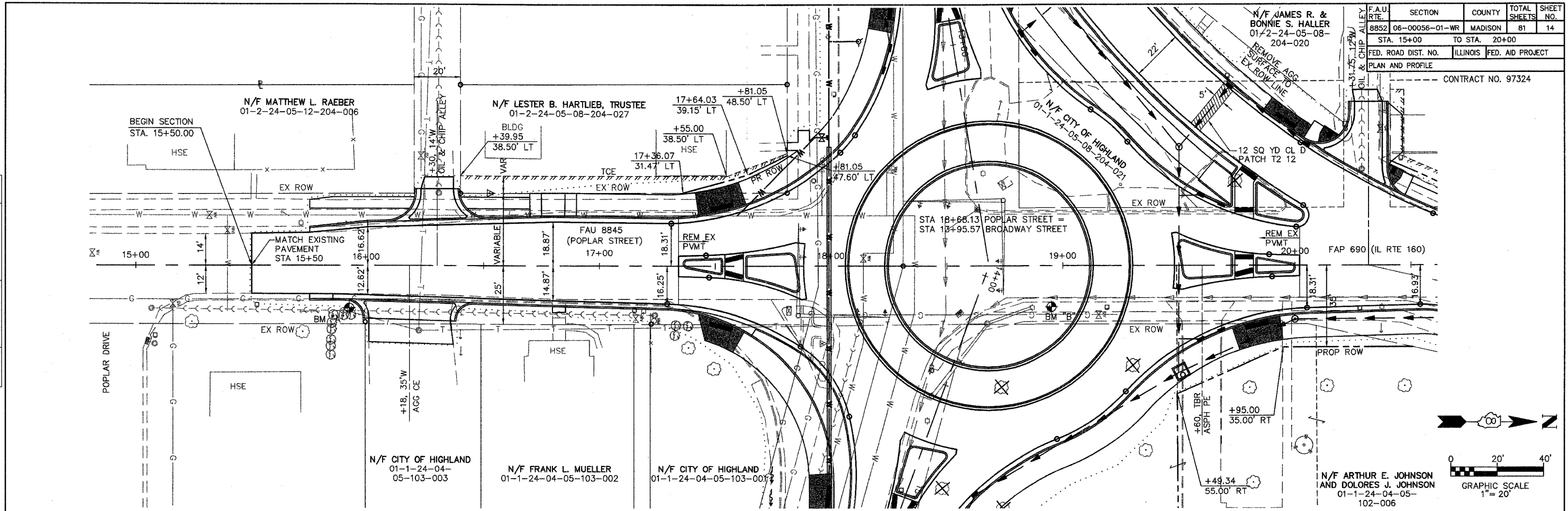
BROADWAY STREET
STA. 15+85 TO 20+25
(NOT TO SCALE)

LEGEND

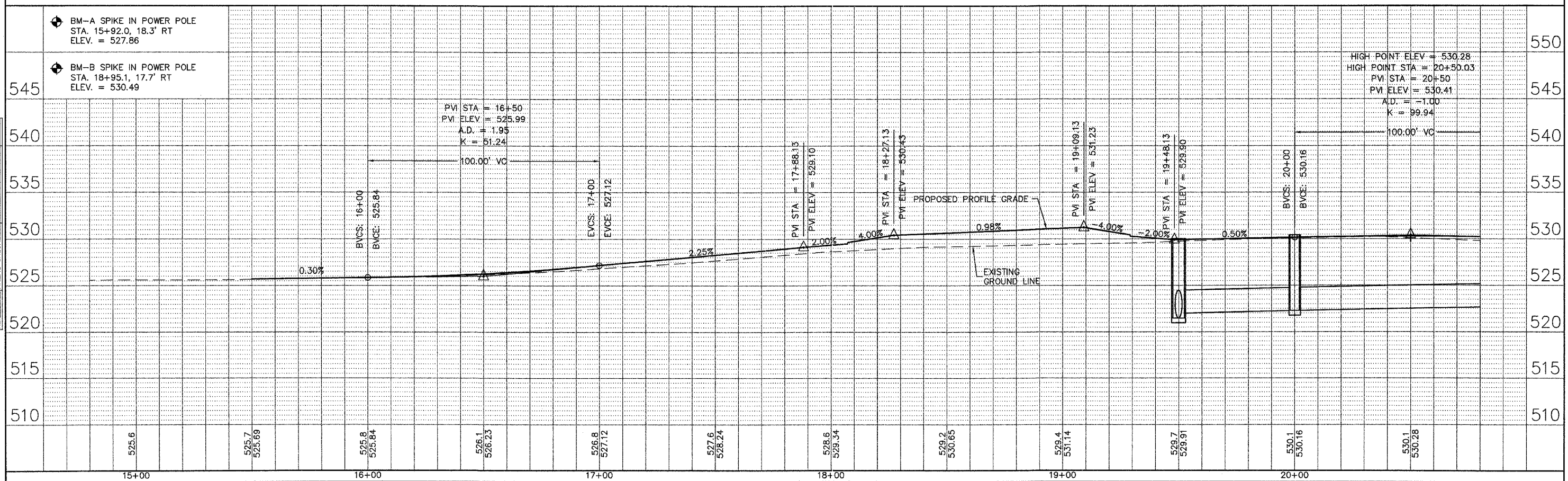
- ① EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 8"
- ② EXISTING BITUMINOUS AGGREGATE BASE COURSE, 8"
- ③ EXISTING HOT-MIX ASPHALT SURFACE, 3"
- ④ EXISTING COMBINATION CONCRETE CURB AND GUTTER
- ⑤ EXISTING AGGREGATE SHOULDER
- ⑥ EXISTING HOT-MIX ASPHALT BASE COURSE WIDENING
- ⑦ EXISTING PORTLAND CEMENT CONCRETE SIDEWALK, 4"
- ⑧ EXISTING PAVEMENT WIDENED AS SHOWN ON THE PLANS
- ⑨ PROPOSED LEVELING BINDER (MACHINE METHOD), N70, VARIABLE DEPTH, MINIMUM THICKNESS 3/4"
- ⑩ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1-1/2"
- ⑪ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (SEE HIGHWAY STANDARD 606001)
- ⑫ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 4" (SEE HIGHWAY STANDARD 424001)
- ⑬ HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

FINAL SURVEY PLOTTED	DATE
SURVEYED	BY
NOTE BOOK TEMPLATE	
AREAS CHECKED	

ORIGINAL SURVEY PLOTTED	DATE
SURVEYED	BY
NOTE BOOK TEMPLATE	
AREAS CHECKED	



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	14
STA. 15+00	TO STA. 20+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
PLAN AND PROFILE				
CONTRACT NO. 97324				



HIGH POINT ELEV = 530.28
HIGH POINT STA = 20+50.03
PVI STA = 20+50
PVI ELEV = 530.41
A.D. = -1.00
K = 99.94
100.00' VC

POPLAR STREET

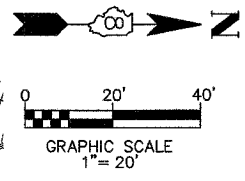
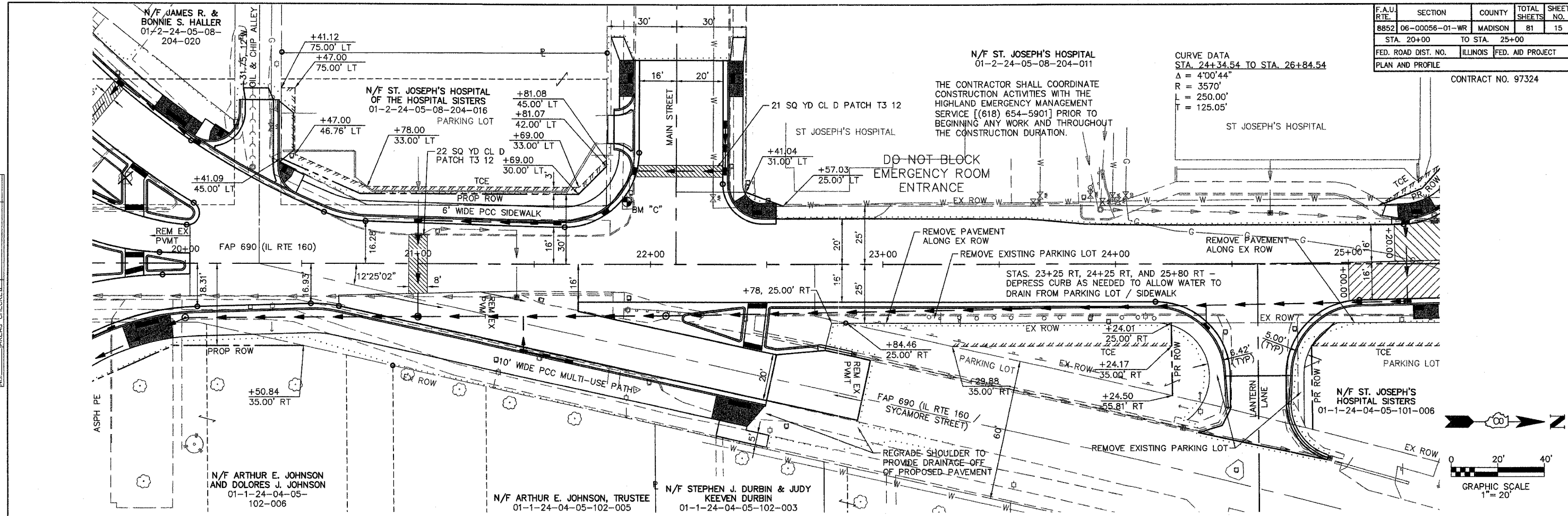
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	15
STA. 20+00 TO STA. 25+00				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
PLAN AND PROFILE				

CONTRACT NO. 97324

N/F ST. JOSEPH'S HOSPITAL
01-2-24-05-08-204-011

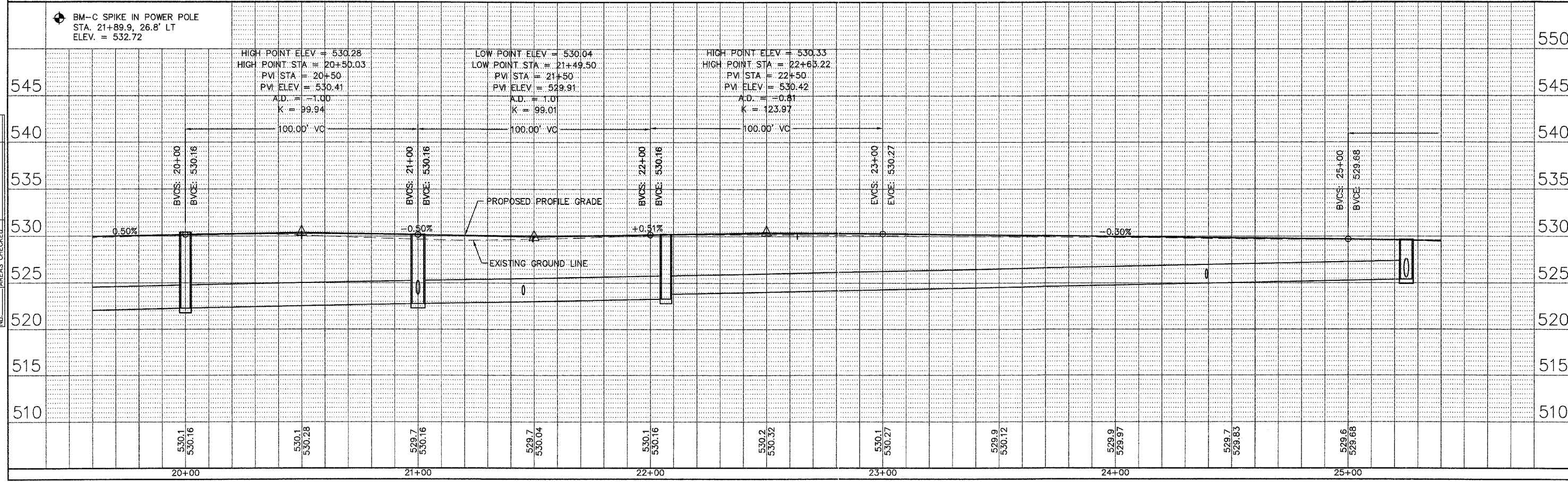
CURVE DATA
STA. 24+34.54 TO STA. 26+84.54
Δ = 4°00'44"
R = 3570'
L = 250.00'
T = 125.05'

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE HIGHLAND EMERGENCY MANAGEMENT SERVICE [(618) 654-5901] PRIOR TO BEGINNING ANY WORK AND THROUGHOUT THE CONSTRUCTION DURATION.



DATE	BY

DATE	BY

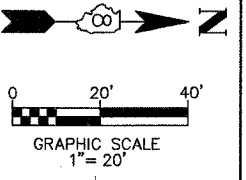
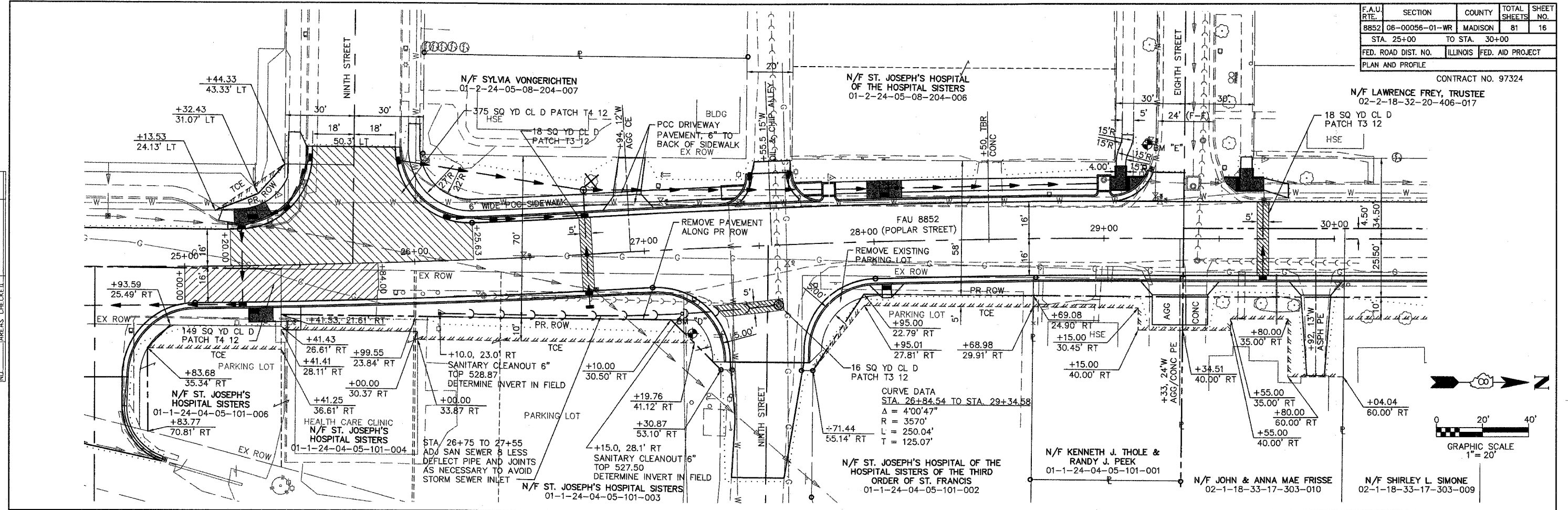


POPLAR STREET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	16
STA. 25+00 TO STA. 30+00				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
PLAN AND PROFILE				

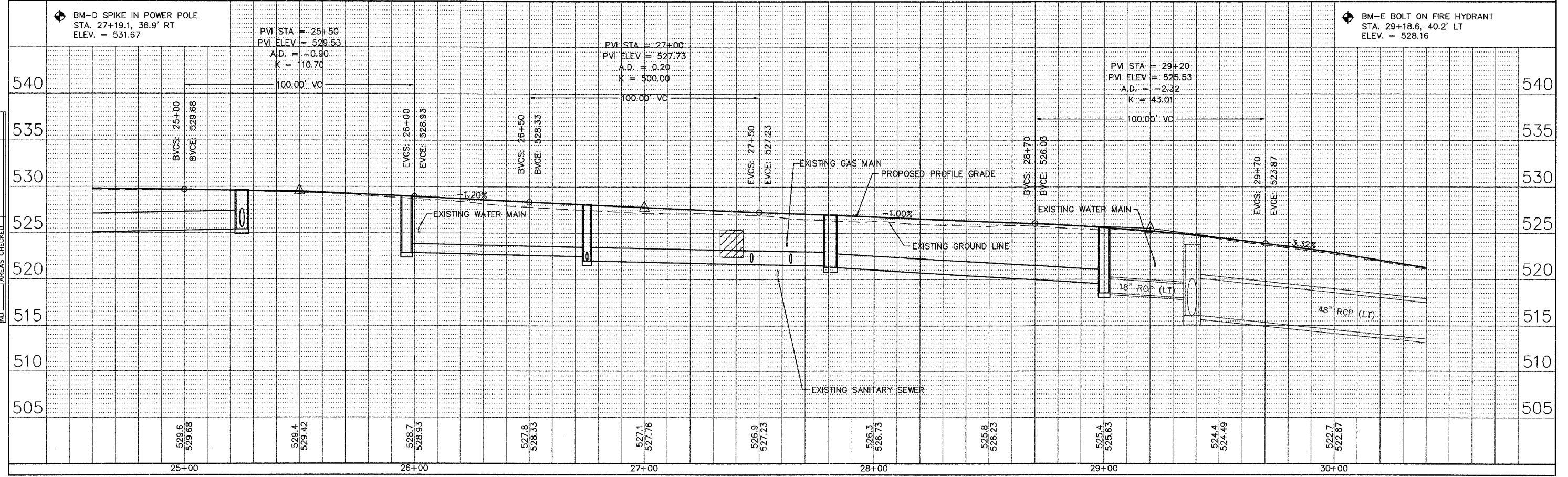
CONTRACT NO. 97324

N/F LAWRENCE FREY, TRUSTEE
02-2-18-32-20-406-017



BY	DATE

BY	DATE



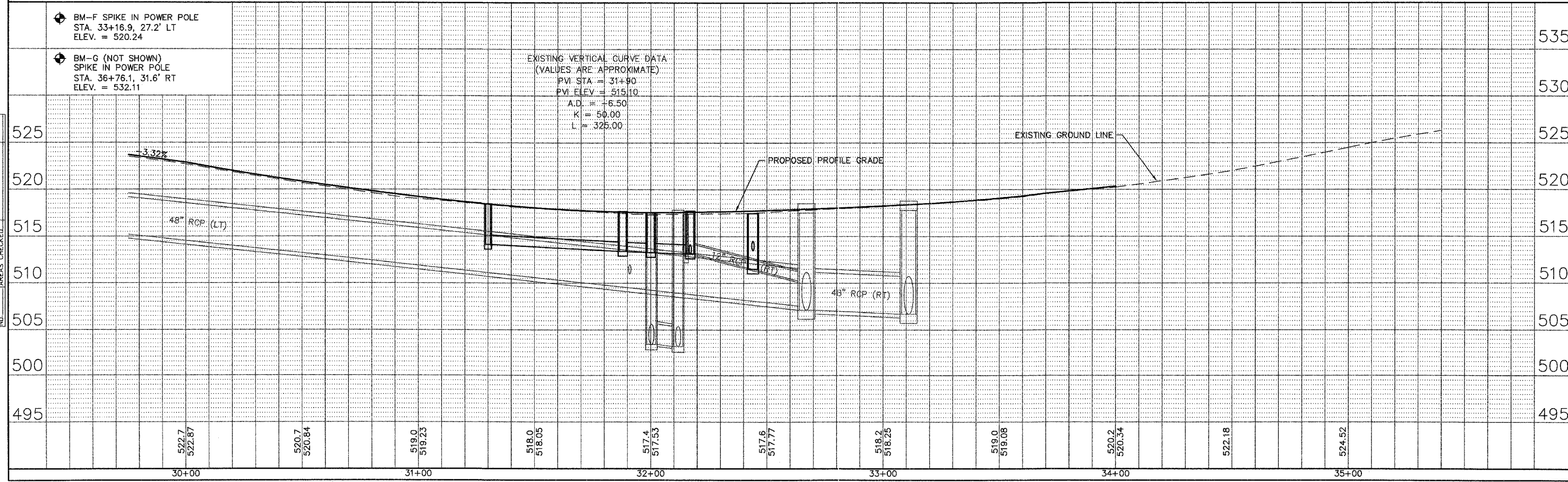
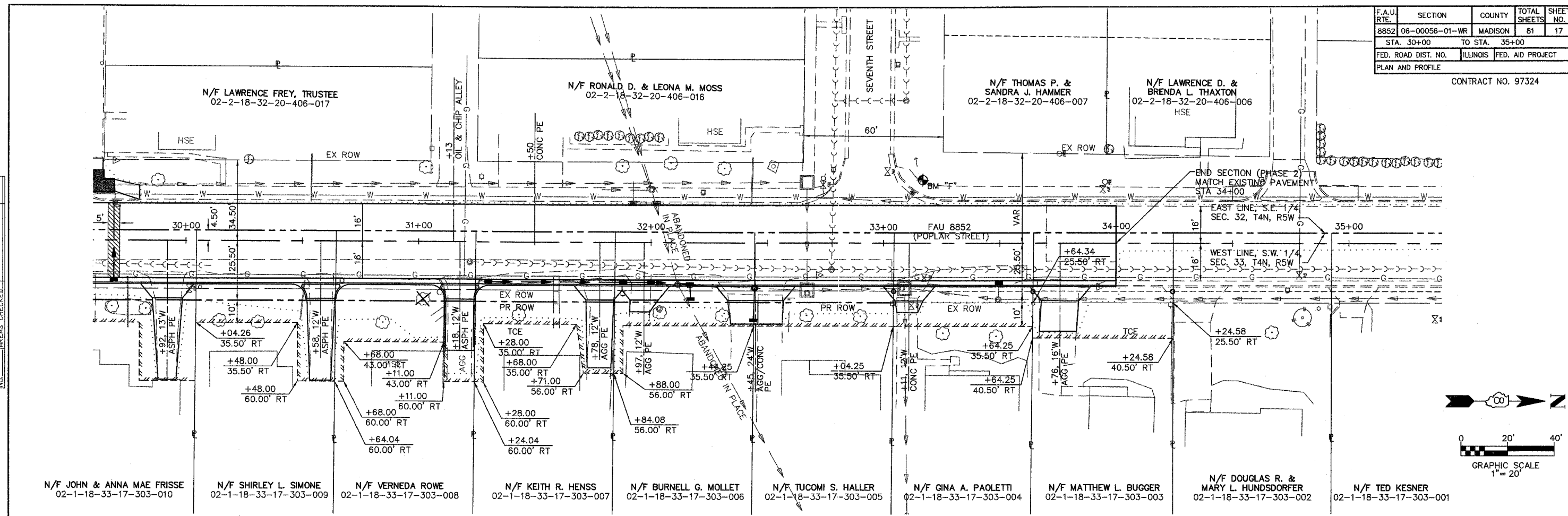
POPLAR STREET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	17
STA. 30+00 TO STA. 35+00		ILLINOIS FED. AID PROJECT		
PLAN AND PROFILE				

CONTRACT NO. 97324

BY	DATE

BY	DATE



POPLAR STREET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	18
STA. 10+00 TO STA. 15+00				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
PLAN AND PROFILE		CONTRACT NO. 97324		

IL 160 / BROADWAY CURVE DATA
 STA 11+37.43 TO STA. 11+94.06
 $\Delta = 9'16''11''$
 $R = 350'$
 $L = 56.62'$
 $T = 28.37'$
 PC STA. = 11+37.43
 PT STA. = 11+94.06

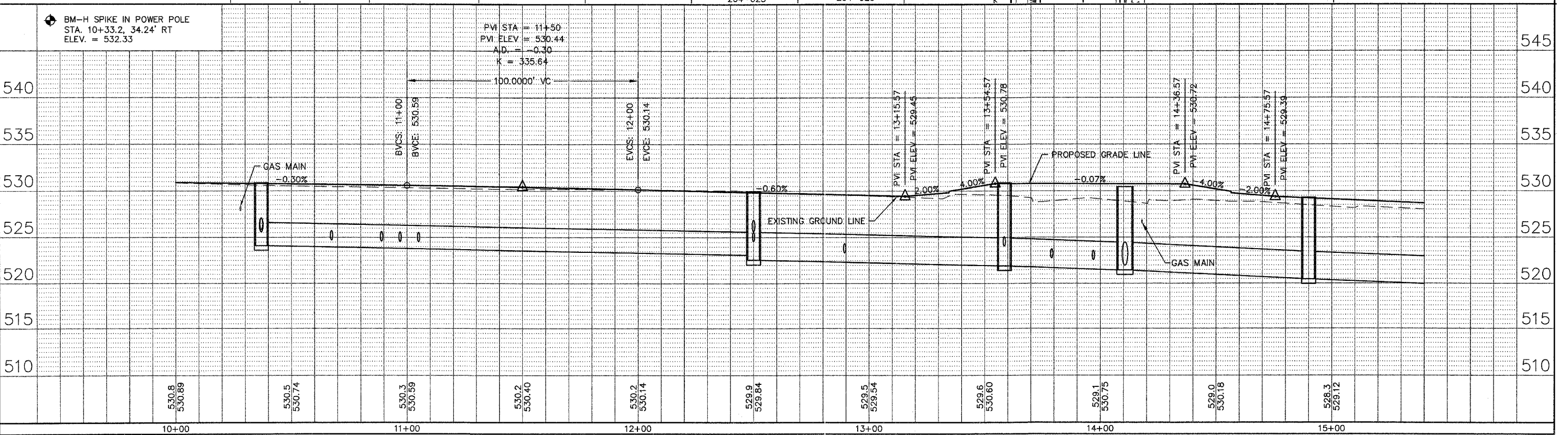
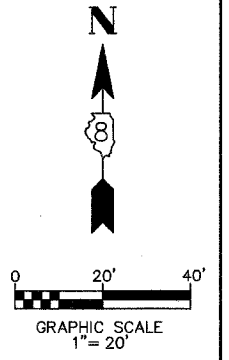
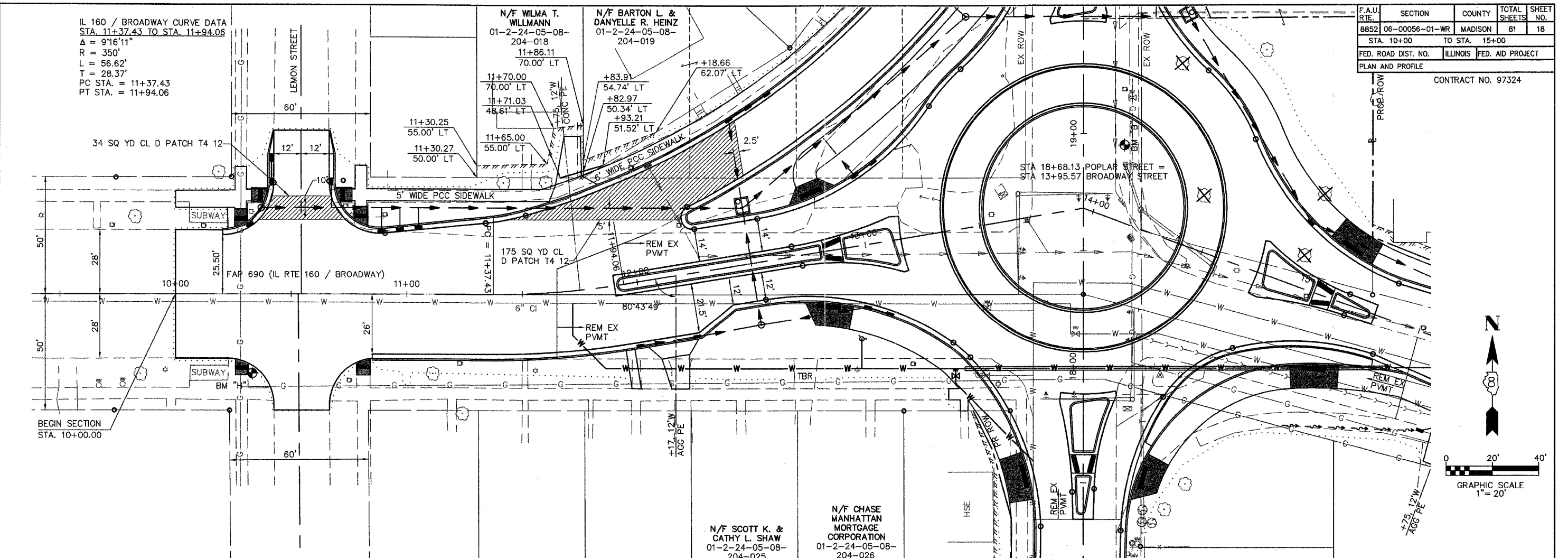
N/F WILMA T. WILLMANN
 01-2-24-05-08-204-018
 11+86.11
 70.00' LT

N/F BARTON L. & DANYELLE R. HEINZ
 01-2-24-05-08-204-019
 +83.91
 54.74' LT
 +82.97
 50.34' LT
 +93.21
 51.52' LT

STA 18+68.13, POPLAR STREET =
 STA 13+95.57 BROADWAY STREET

DATE	BY

DATE	BY



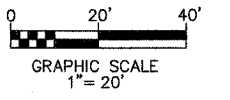
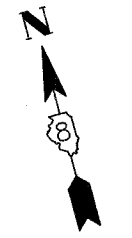
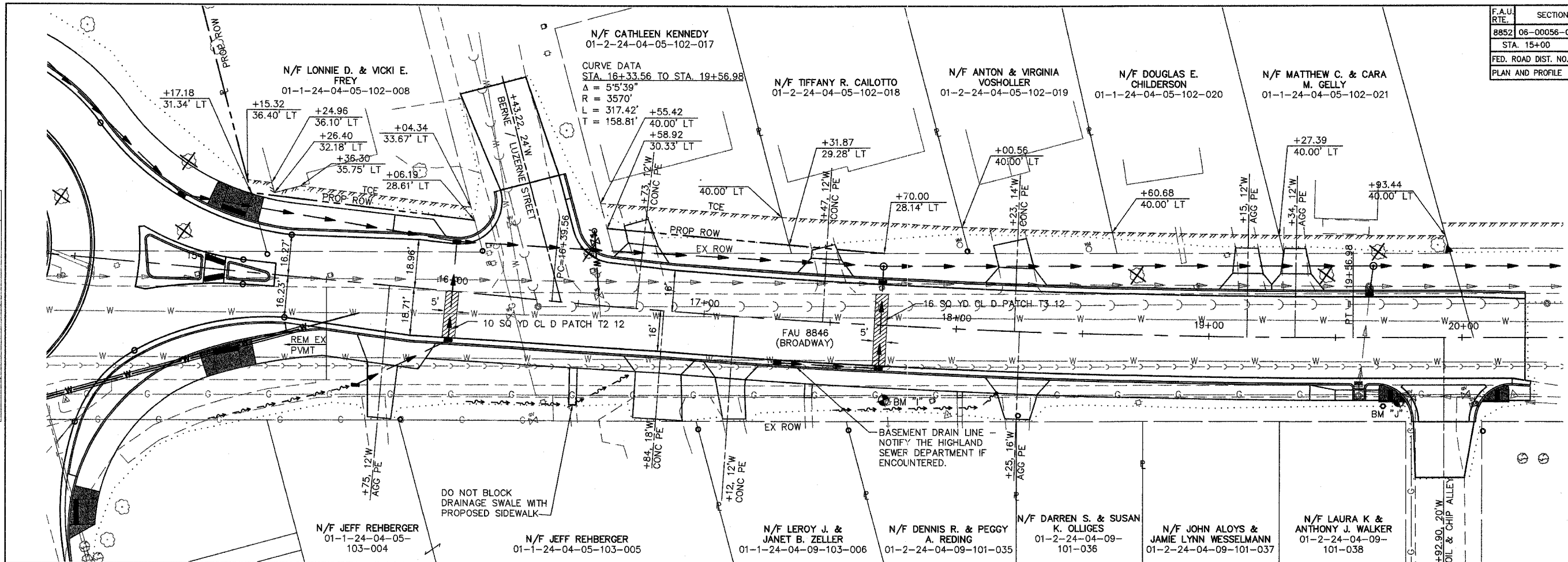
BROADWAY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	19
STA. 15+00 TO STA. 20+00				
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		
PLAN AND PROFILE				

CONTRACT NO. 97324

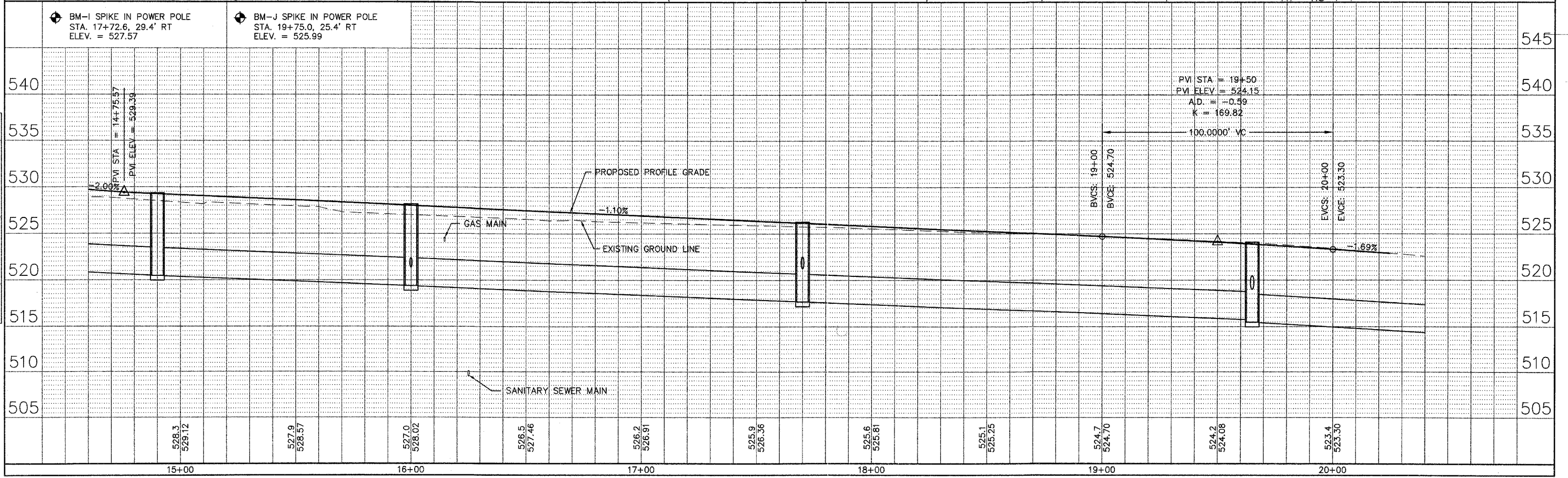
DATE	BY

FINAL SURVEY PLOTTED
NOTE BOOK DATE
AREAS CHECKED
NO.



DATE	BY

ORIGINAL SURVEY PLOTTED
NOTE BOOK DATE
AREAS CHECKED
NO.

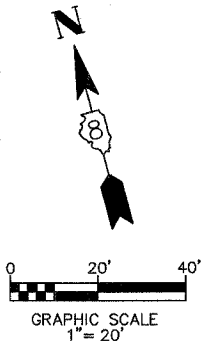
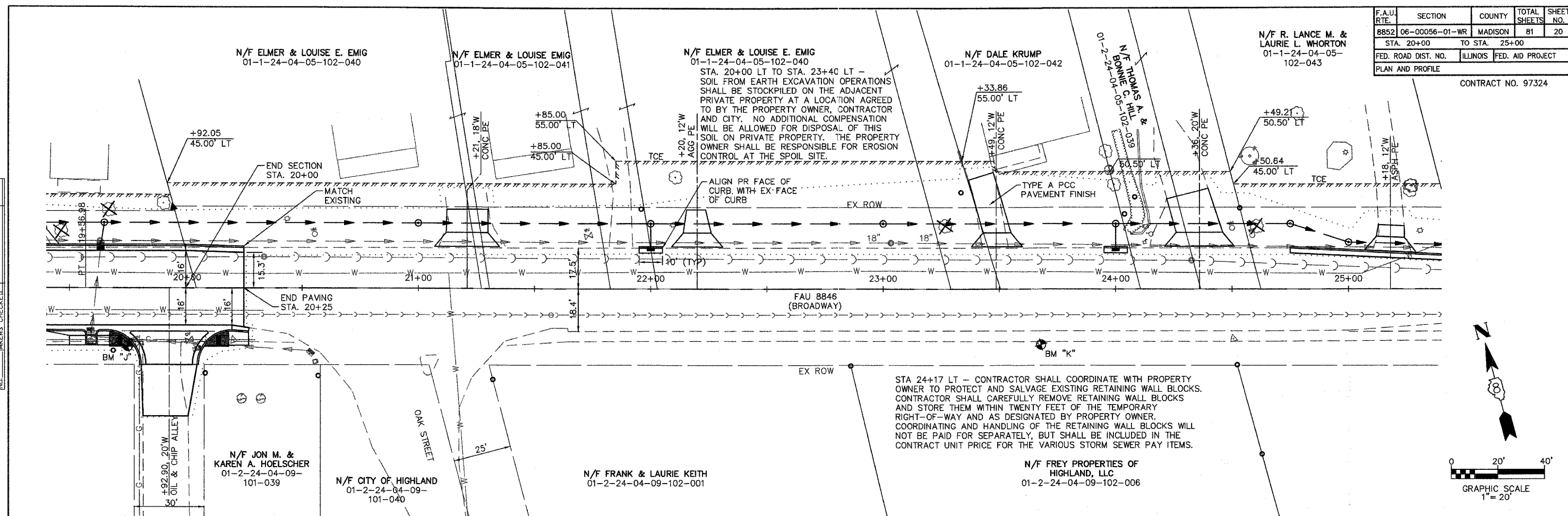


BROADWAY

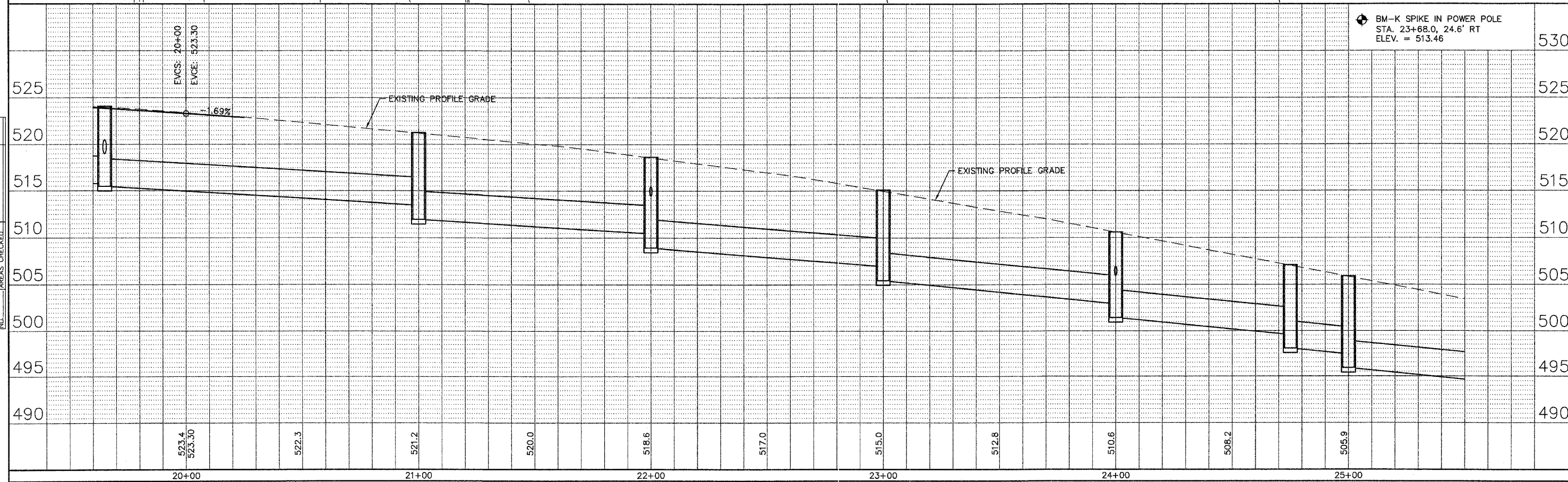
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	20
STA. 20+00		TO STA. 25+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
PLAN AND PROFILE				

CONTRACT NO. 97324

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



BY	DATE
ORIGINAL SURVEY PLOTTED	
NOTE BOOK TEMPLATE	
AREAS CHECKED	
NO.	



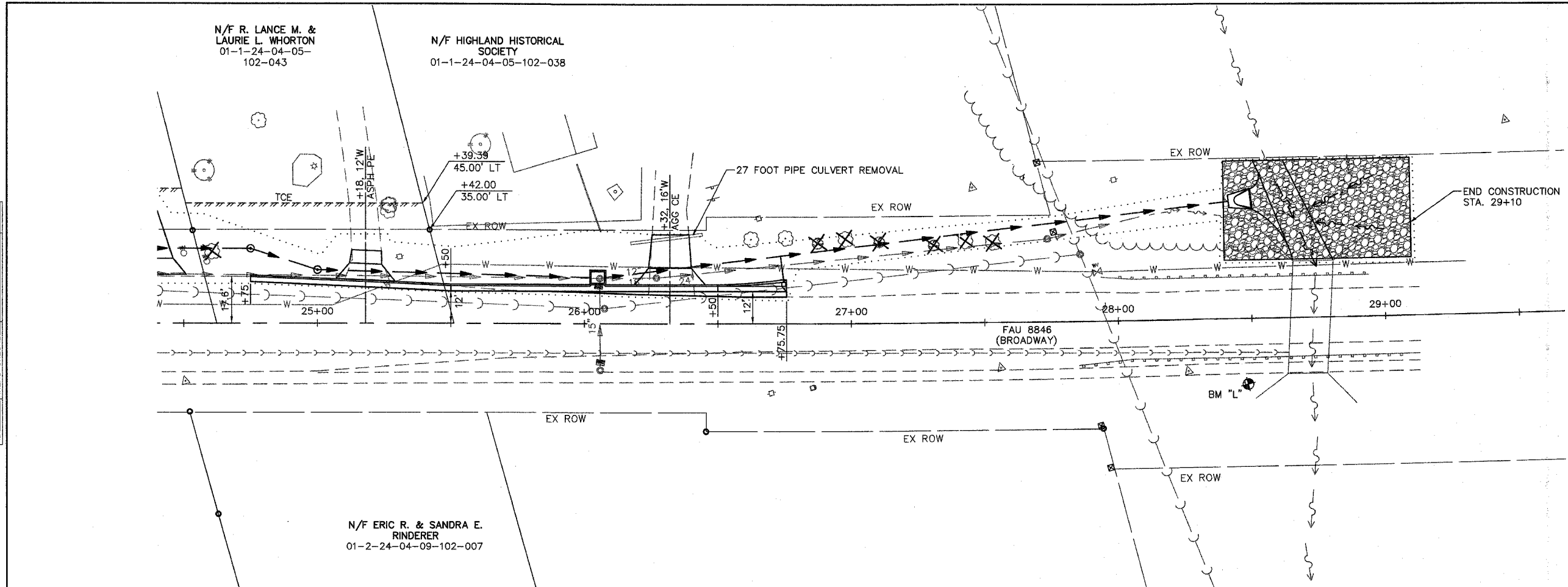
BROADWAY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	21
STA. 25+00		TO STA. 30+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
PLAN AND PROFILE				

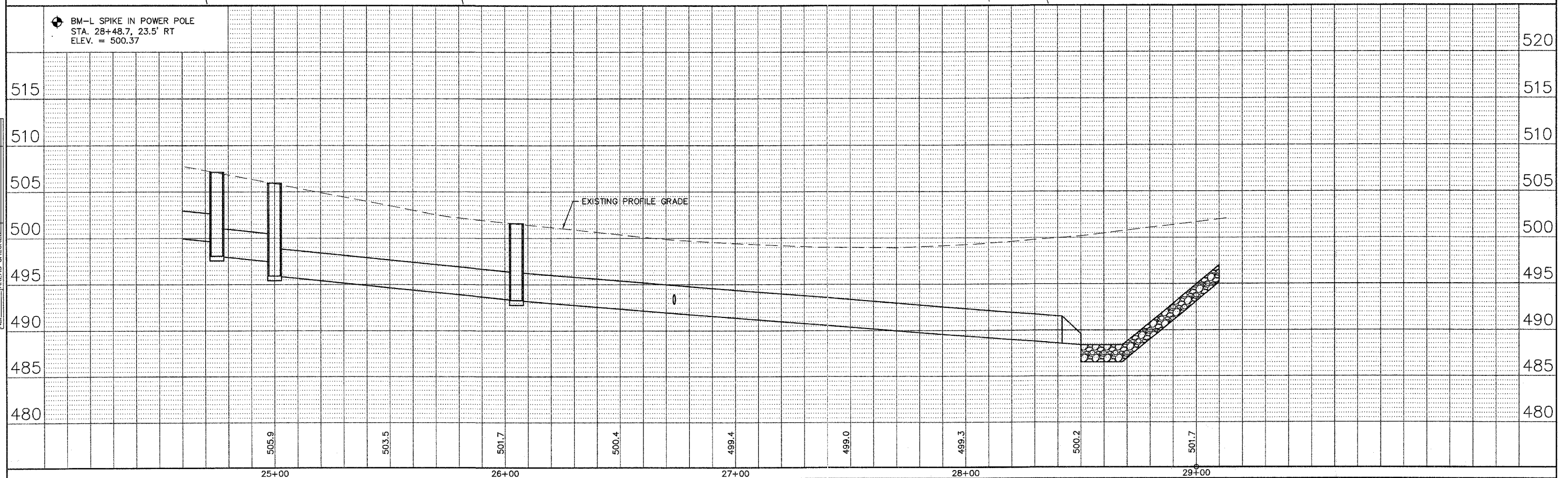
CONTRACT NO. 97324

BY	DATE

BY	DATE









BM-L SPIKE IN POWER POLE
 STA. 28+48.7, 23.5' RT
 ELEV. = 500.37



BROADWAY

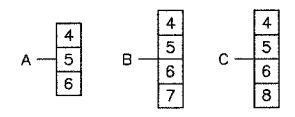
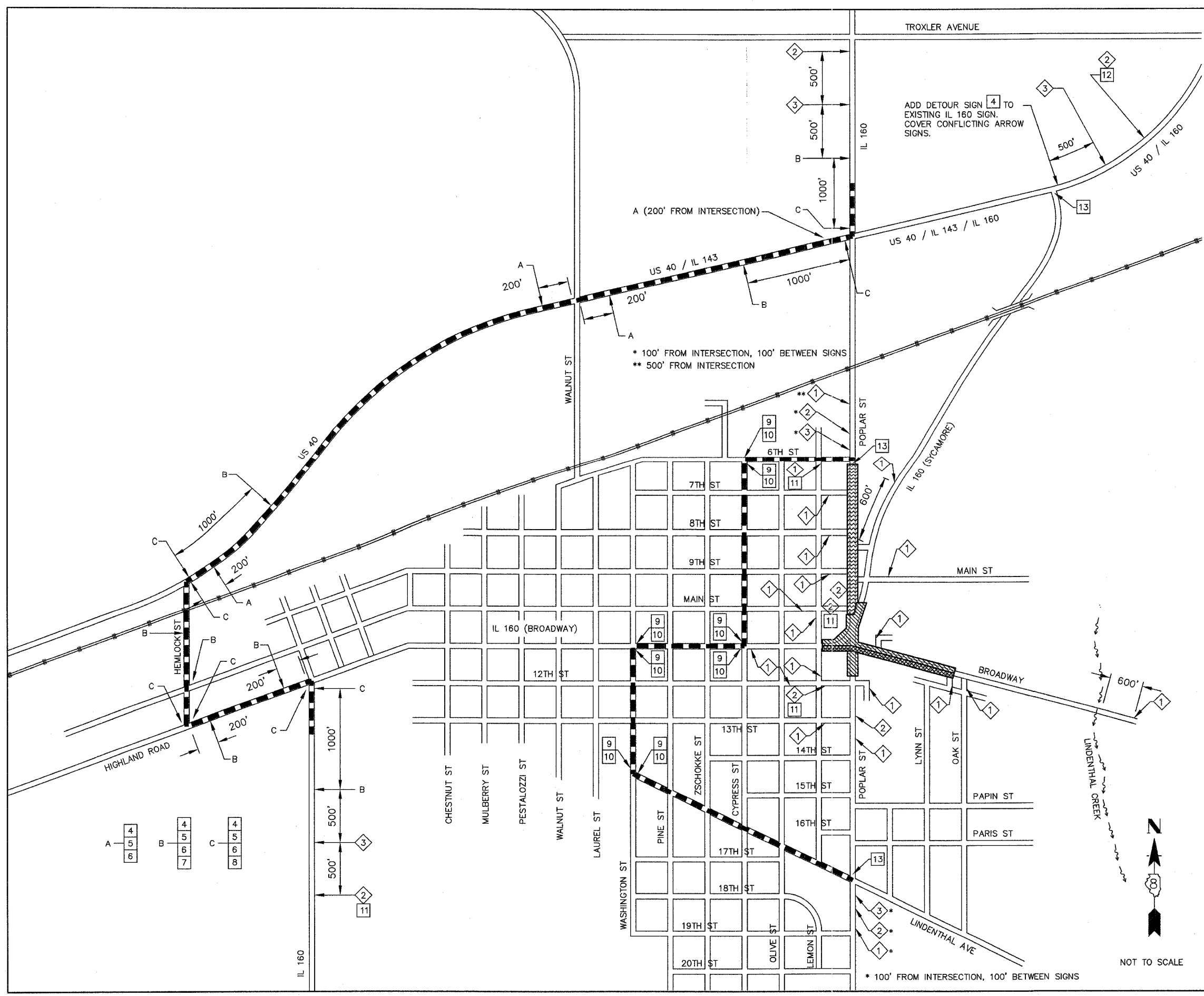
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	22
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
TRAFFIC CONTROL PLAN				
CONTRACT NO. 97324				

LEGEND

- 1 ROAD CONSTRUCTION AHEAD (W20-1) (KEEP MOUNTED THROUGH ALL CONSTRUCTION)
- 2 ROAD CLOSED AHEAD (W20-3)
- 3 DETOUR AHEAD (W20-2)
- 4 DETOUR (M4-8)
- 5 CARDINAL DIRECTION (NORTH OR SOUTH AS APPROPRIATE)
- 6 IL ROUTE 160 (IDOT 12045)
- 7 DETOUR ADVANCE ARROW (M5-1) (ARROW AS APPROPRIATE)
- 8 DETOUR ARROW (M6-1) (ARROW AS APPROPRIATE)
- 9 "POPLAR ST" (4" BLACK LETTERS ON ORANGE)
- 10 DETOUR (M4-9) (ARROW AS APPROPRIATE)
- 11  24" x 24" (ORANGE)
- 12  24" x 24" (ORANGE)
- 13 TYPE III BARRICADES STAGGERED WITH R11-4 (ROAD CLOSED TO THRU TRAFFIC) AND M4-10 (DETOUR) SIGNS AND TYPE A LOW INTENSITY FLASHING LIGHTS
-  STAGE 2 ROUNDABOUT CONSTRUCTION
-  STAGE 3 ROUNDABOUT CONSTRUCTION
-  POPLAR STREET WIDENING AND RESURFACING
-  DETOUR ROUTE

NOTES

- 1 TYPE III BARRICADES AND ROAD CLOSURE SIGNS SHALL BE POSITIONED AS SHOWN, ACCORDING TO HIGHWAY STANDARD 702001 AND AS DIRECTED BY THE ENGINEER.
- 2 TYPE A LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS.
- 3 ALL WARNING SIGNS SHALL BE A MINIMUM OF 48" x 48" AND HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
- 4 THE CONTRACTOR SHALL MAINTAIN ACCESS TO ENTRANCES AT ALL TIMES.
- 5 LONGITUDINAL DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
- 6 ALL TYPE III BARRICADES UTILIZED FOR ROAD CLOSURES SHALL HAVE A LOW INTENSITY FLASHING LIGHT MOUNTED ON TOP OF EACH BARRICADE.
- 7 EXACT LOCATION OF ALL WARNING SIGNS AND BARRICADES SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.
- 8 ALL BUSINESSES AND RESIDENTS FRONTING THE PROJECT SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ROAD CLOSURES AFFECTING THEIR ACCESS.
- 9 SEE HIGHWAY STANDARD 701201 FOR DAYTIME SINGLE LANE CLOSURES.
- 10 ROAD CONSTRUCTION AHEAD SIGNS SHALL BE MOUNTED THROUGH ALL OF THE IMPROVEMENTS TO BOTH THE INTERSECTION AND POPLAR STREET.



* 100' FROM INTERSECTION, 100' BETWEEN SIGNS

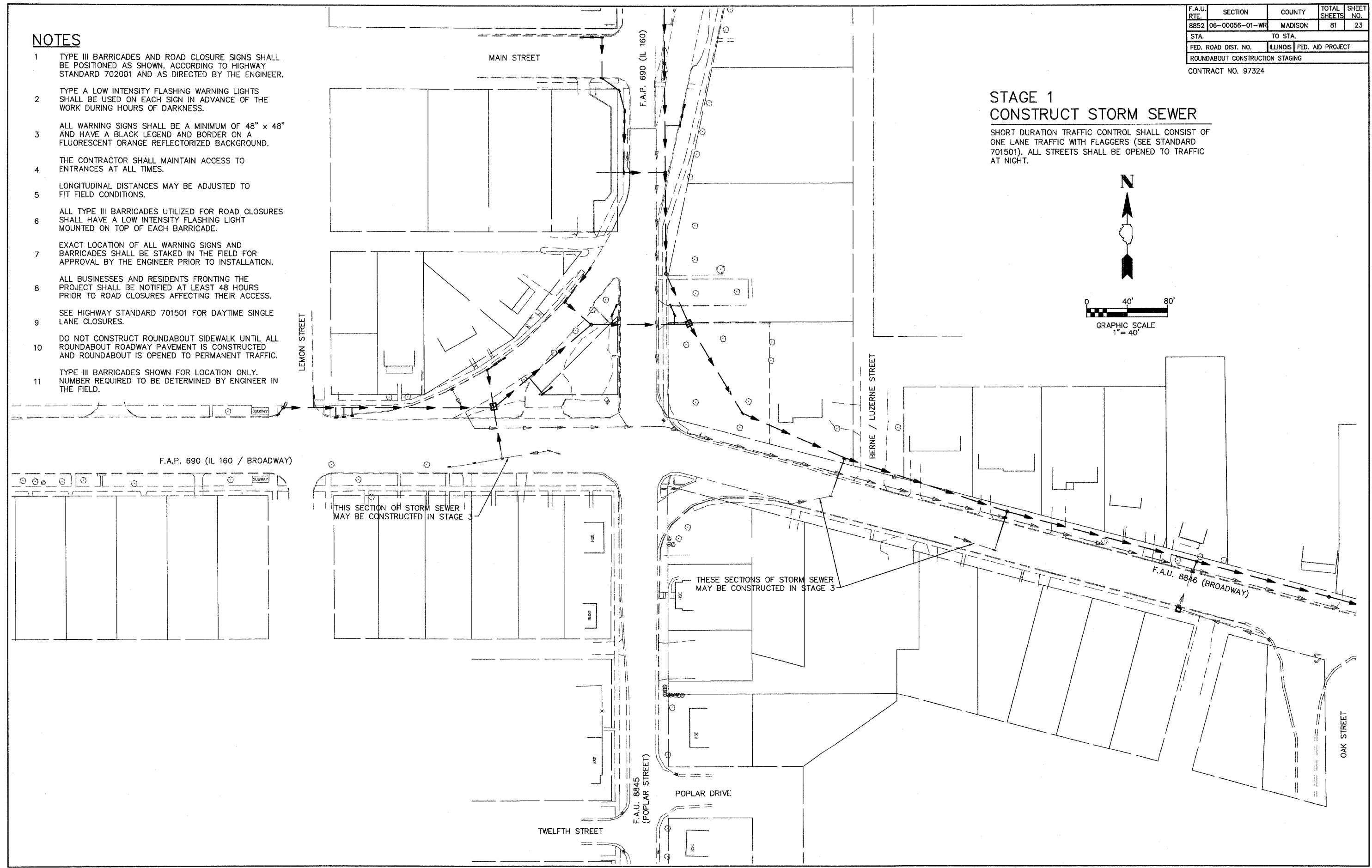
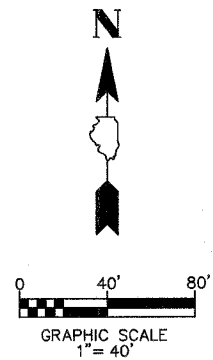
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	23
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
ROUNDBOUT CONSTRUCTION STAGING				
CONTRACT NO. 97324				

NOTES

- 1 TYPE III BARRICADES AND ROAD CLOSURE SIGNS SHALL BE POSITIONED AS SHOWN, ACCORDING TO HIGHWAY STANDARD 702001 AND AS DIRECTED BY THE ENGINEER.
- 2 TYPE A LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS.
- 3 ALL WARNING SIGNS SHALL BE A MINIMUM OF 48" x 48" AND HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
- 4 THE CONTRACTOR SHALL MAINTAIN ACCESS TO ENTRANCES AT ALL TIMES.
- 5 LONGITUDINAL DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
- 6 ALL TYPE III BARRICADES UTILIZED FOR ROAD CLOSURES SHALL HAVE A LOW INTENSITY FLASHING LIGHT MOUNTED ON TOP OF EACH BARRICADE.
- 7 EXACT LOCATION OF ALL WARNING SIGNS AND BARRICADES SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.
- 8 ALL BUSINESSES AND RESIDENTS FRONTING THE PROJECT SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ROAD CLOSURES AFFECTING THEIR ACCESS.
- 9 SEE HIGHWAY STANDARD 701501 FOR DAYTIME SINGLE LANE CLOSURES.
- 10 DO NOT CONSTRUCT ROUNDBOUT SIDEWALK UNTIL ALL ROUNDBOUT ROADWAY PAVEMENT IS CONSTRUCTED AND ROUNDBOUT IS OPENED TO PERMANENT TRAFFIC.
- 11 TYPE III BARRICADES SHOWN FOR LOCATION ONLY. NUMBER REQUIRED TO BE DETERMINED BY ENGINEER IN THE FIELD.

**STAGE 1
CONSTRUCT STORM SEWER**

SHORT DURATION TRAFFIC CONTROL SHALL CONSIST OF ONE LANE TRAFFIC WITH FLAGGERS (SEE STANDARD 701501). ALL STREETS SHALL BE OPENED TO TRAFFIC AT NIGHT.



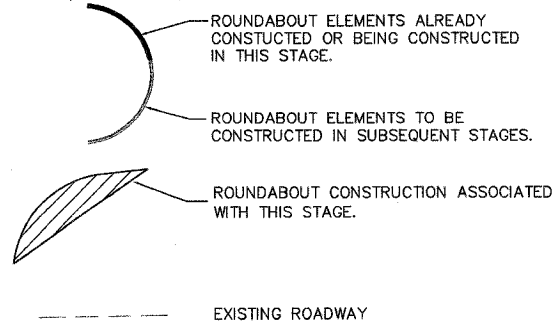
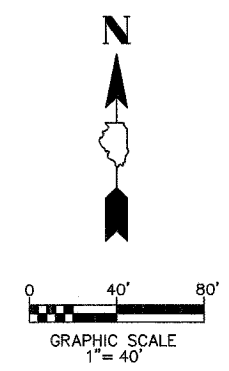
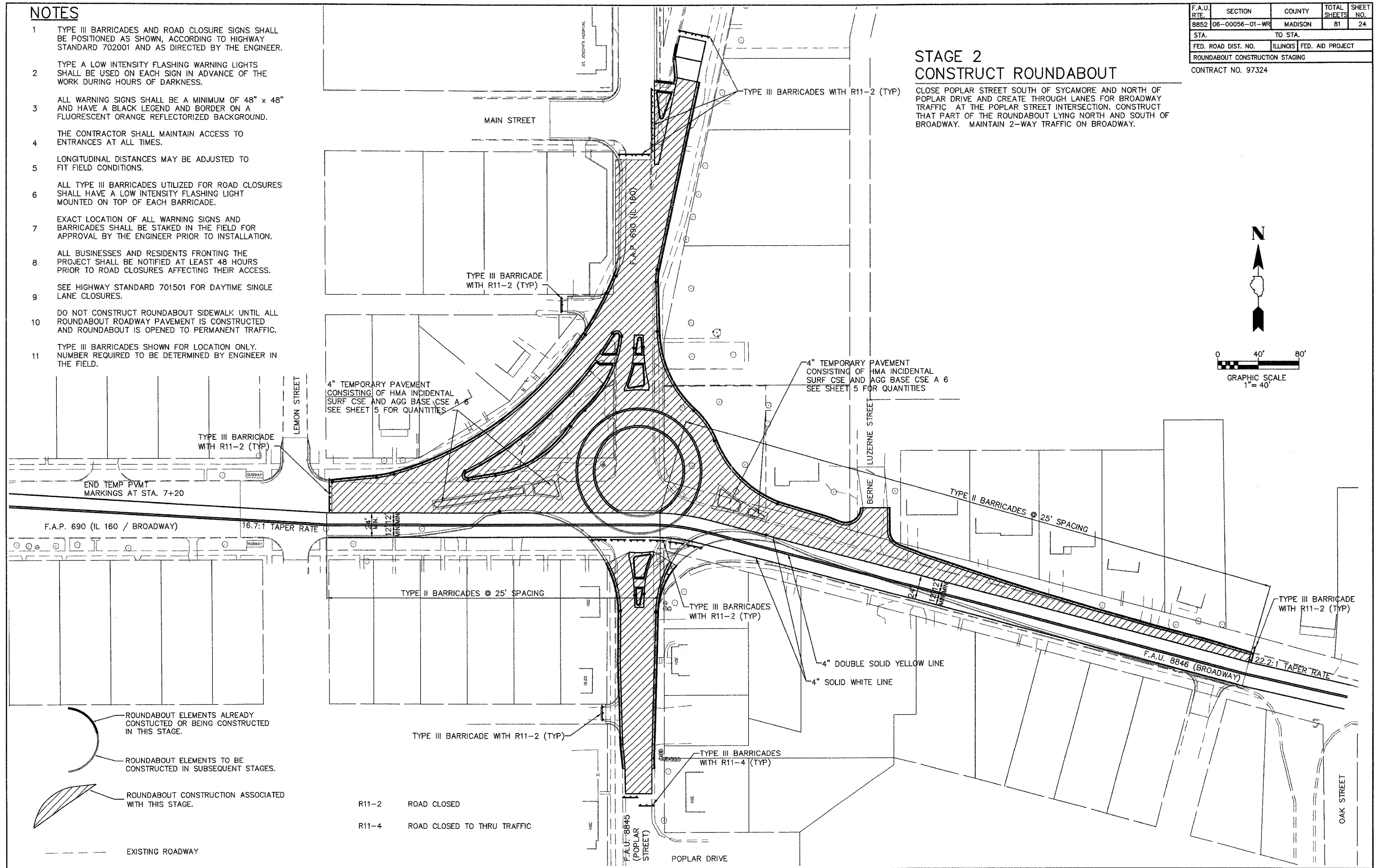
NOTES

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- 2 TYPE A LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS.
- 3 ALL WARNING SIGNS SHALL BE A MINIMUM OF 48" x 48" AND HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
- 4 THE CONTRACTOR SHALL MAINTAIN ACCESS TO ENTRANCES AT ALL TIMES.
- 5 LONGITUDINAL DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
- 6 ALL TYPE III BARRICADES UTILIZED FOR ROAD CLOSURES SHALL HAVE A LOW INTENSITY FLASHING LIGHT MOUNTED ON TOP OF EACH BARRICADE.
- 7 EXACT LOCATION OF ALL WARNING SIGNS AND BARRICADES SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.
- 8 ALL BUSINESSES AND RESIDENTS FRONTING THE PROJECT SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ROAD CLOSURES AFFECTING THEIR ACCESS.
- 9 SEE HIGHWAY STANDARD 701501 FOR DAYTIME SINGLE LANE CLOSURES.
- 10 DO NOT CONSTRUCT ROUNDABOUT SIDEWALK UNTIL ALL ROUNDABOUT ROADWAY PAVEMENT IS CONSTRUCTED AND ROUNDABOUT IS OPENED TO PERMANENT TRAFFIC.
- 11 TYPE III BARRICADES SHOWN FOR LOCATION ONLY. NUMBER REQUIRED TO BE DETERMINED BY ENGINEER IN THE FIELD.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	24
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
ROUNDABOUT CONSTRUCTION STAGING				
CONTRACT NO. 97324				

**STAGE 2
CONSTRUCT ROUNDABOUT**

CLOSE POPLAR STREET SOUTH OF SYCAMORE AND NORTH OF POPLAR DRIVE AND CREATE THROUGH LANES FOR BROADWAY TRAFFIC AT THE POPLAR STREET INTERSECTION. CONSTRUCT THAT PART OF THE ROUNDABOUT LYING NORTH AND SOUTH OF BROADWAY. MAINTAIN 2-WAY TRAFFIC ON BROADWAY.



R11-2 ROAD CLOSED
R11-4 ROAD CLOSED TO THRU TRAFFIC

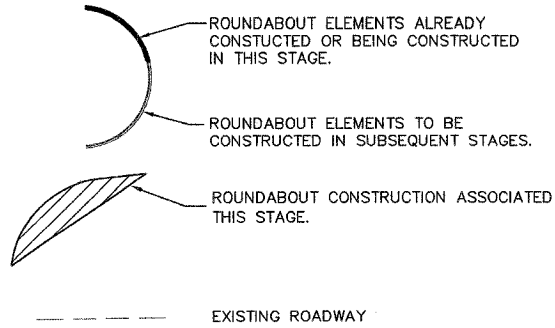
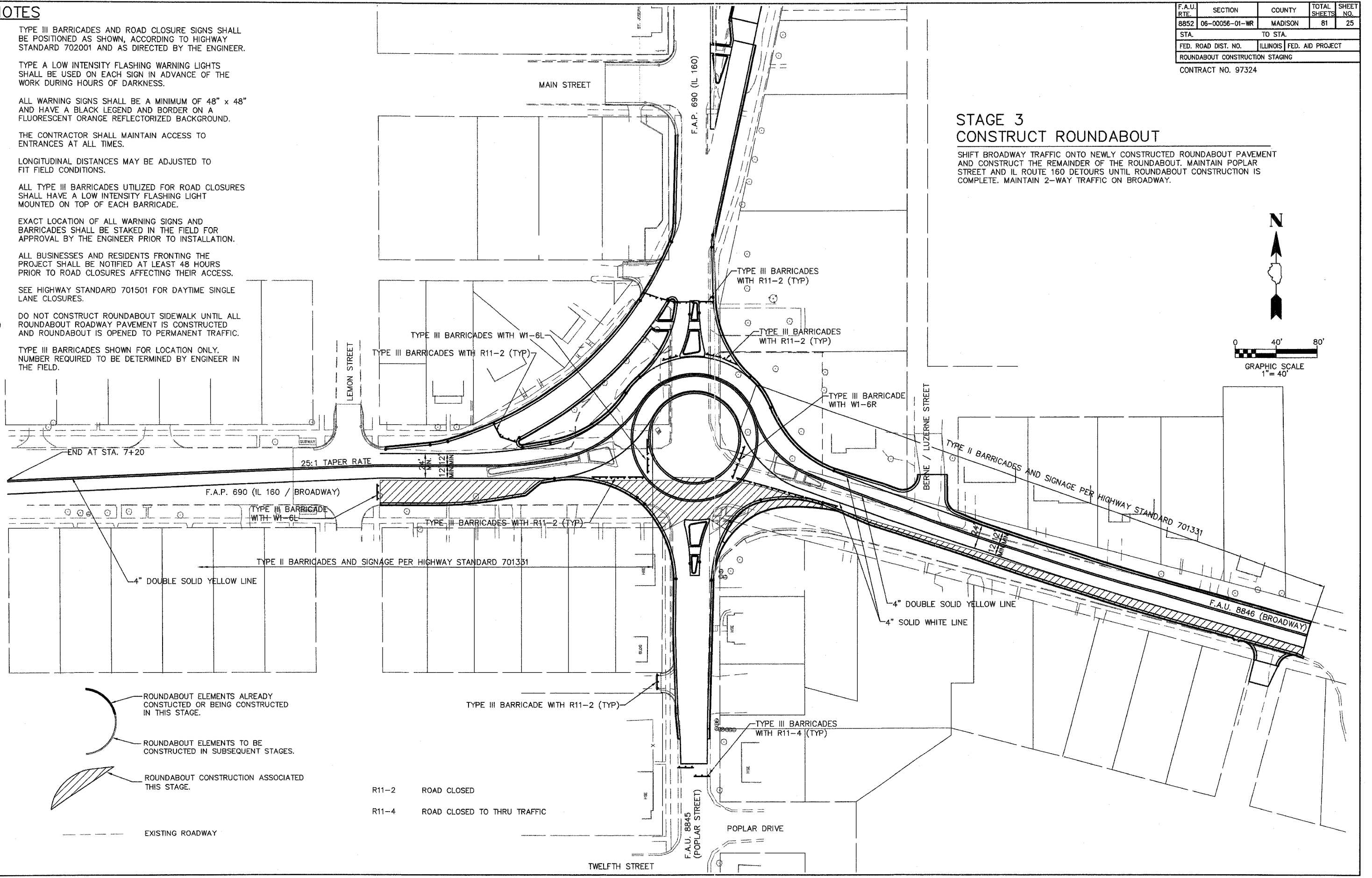
NOTES

- 1 TYPE III BARRICADES AND ROAD CLOSURE SIGNS SHALL BE POSITIONED AS SHOWN, ACCORDING TO HIGHWAY STANDARD 702001 AND AS DIRECTED BY THE ENGINEER.
- 2 TYPE A LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS.
- 3 ALL WARNING SIGNS SHALL BE A MINIMUM OF 48" x 48" AND HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
- 4 THE CONTRACTOR SHALL MAINTAIN ACCESS TO ENTRANCES AT ALL TIMES.
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- 8 ALL BUSINESSES AND RESIDENTS FRONTING THE PROJECT SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ROAD CLOSURES AFFECTING THEIR ACCESS.
- 9 SEE HIGHWAY STANDARD 701501 FOR DAYTIME SINGLE LANE CLOSURES.
- 10 DO NOT CONSTRUCT ROUNDABOUT SIDEWALK UNTIL ALL ROUNDABOUT ROADWAY PAVEMENT IS CONSTRUCTED AND ROUNDABOUT IS OPENED TO PERMANENT TRAFFIC.
- 11 TYPE III BARRICADES SHOWN FOR LOCATION ONLY. NUMBER REQUIRED TO BE DETERMINED BY ENGINEER IN THE FIELD.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	25
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
ROUNDABOUT CONSTRUCTION STAGING				
CONTRACT NO. 97324				

**STAGE 3
CONSTRUCT ROUNDABOUT**

SHIFT BROADWAY TRAFFIC ONTO NEWLY CONSTRUCTED ROUNDABOUT PAVEMENT AND CONSTRUCT THE REMAINDER OF THE ROUNDABOUT. MAINTAIN POPLAR STREET AND IL ROUTE 160 DETOURS UNTIL ROUNDABOUT CONSTRUCTION IS COMPLETE. MAINTAIN 2-WAY TRAFFIC ON BROADWAY.



R11-2 ROAD CLOSED
R11-4 ROAD CLOSED TO THRU TRAFFIC

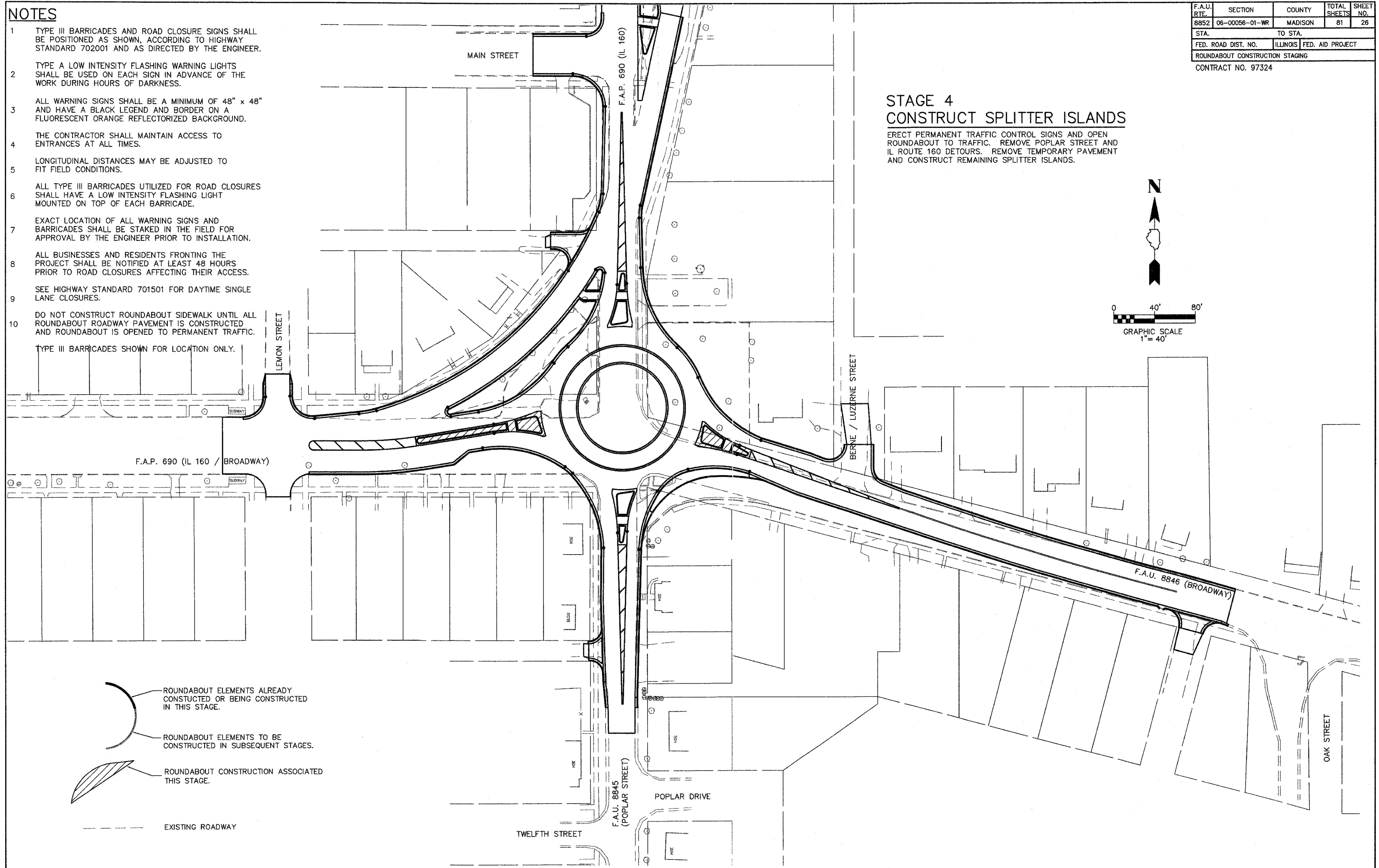
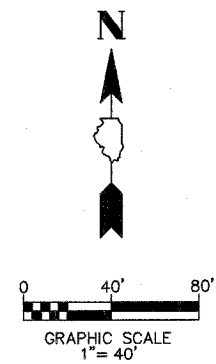
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 - 9 SEE HIGHWAY STANDARD 701501 FOR DAYTIME SINGLE LANE CLOSURES.
 - 10 DO NOT CONSTRUCT ROUNDABOUT SIDEWALK UNTIL ALL ROUNDABOUT ROADWAY PAVEMENT IS CONSTRUCTED AND ROUNDABOUT IS OPENED TO PERMANENT TRAFFIC.
- TYPE III BARRICADES SHOWN FOR LOCATION ONLY.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	26
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
ROUNDABOUT CONSTRUCTION STAGING				
CONTRACT NO. 97324				

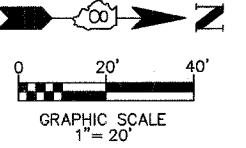
**STAGE 4
CONSTRUCT SPLITTER ISLANDS**

ERECT PERMANENT TRAFFIC CONTROL SIGNS AND OPEN ROUNDABOUT TO TRAFFIC. REMOVE POPLAR STREET AND IL ROUTE 160 DETOURS. REMOVE TEMPORARY PAVEMENT AND CONSTRUCT REMAINING SPLITTER ISLANDS.



- ROUNDABOUT ELEMENTS ALREADY CONSTRUCTED OR BEING CONSTRUCTED IN THIS STAGE.
- ROUNDABOUT ELEMENTS TO BE CONSTRUCTED IN SUBSEQUENT STAGES.
- ROUNDABOUT CONSTRUCTION ASSOCIATED THIS STAGE.
- EXISTING ROADWAY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	28
STA. 15+00 TO STA. 26+00				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
STORM WATER POLLUTION PREVENTION PLAN				
CONTRACT NO. 97324				

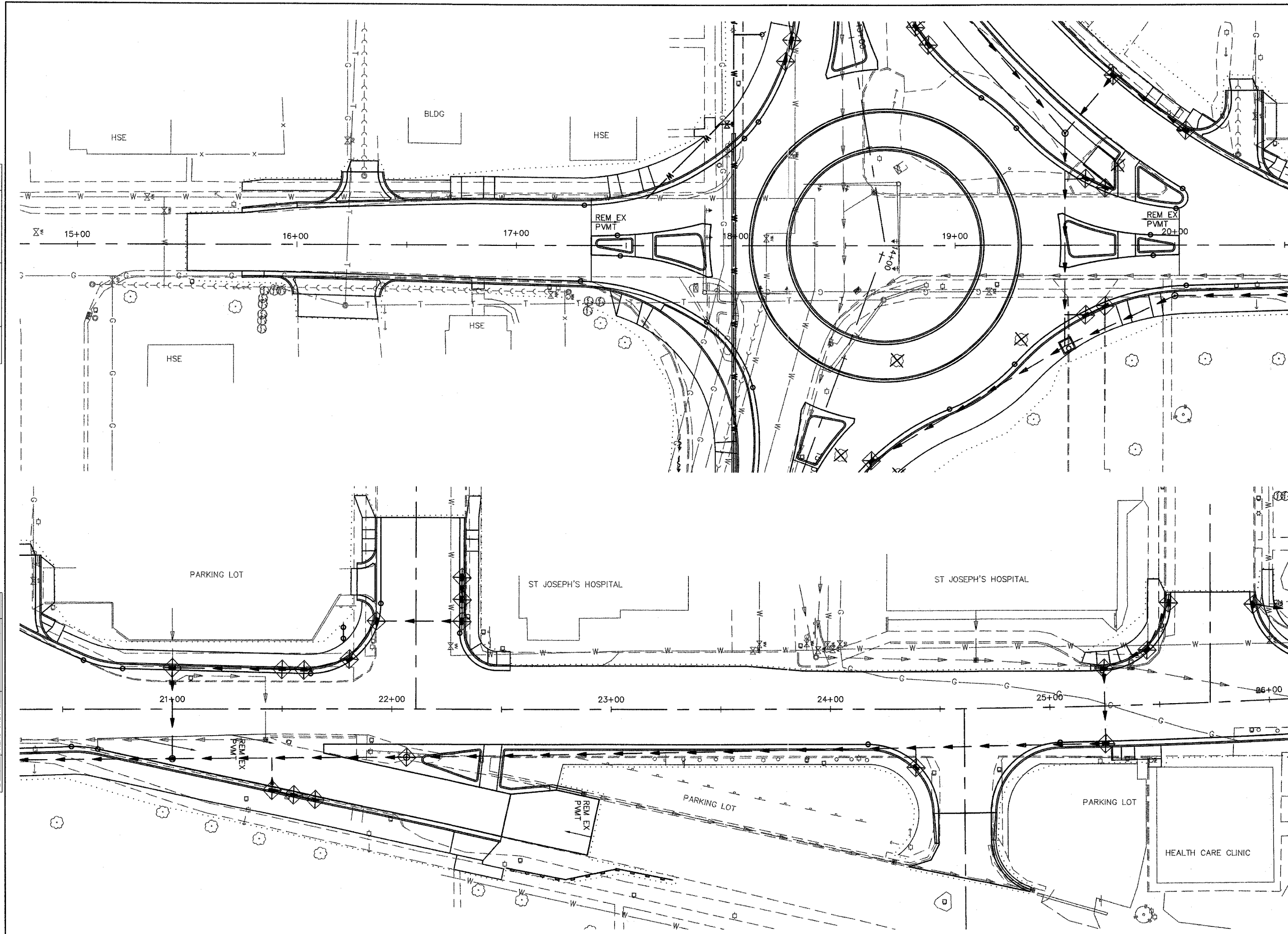


BY	DATE

FINAL SURVEY PLOTTED
NOTE BOOK DATE
AREAS CHECKED

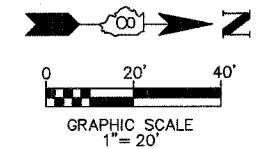
BY	DATE

ORIGINAL SURVEY PLOTTED
NOTE BOOK DATE
AREAS CHECKED



POPLAR STREET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	29
STA. 26+00		TO STA. 36+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
STORM WATER POLLUTION PREVENTION PLAN				
CONTRACT NO. 97324				

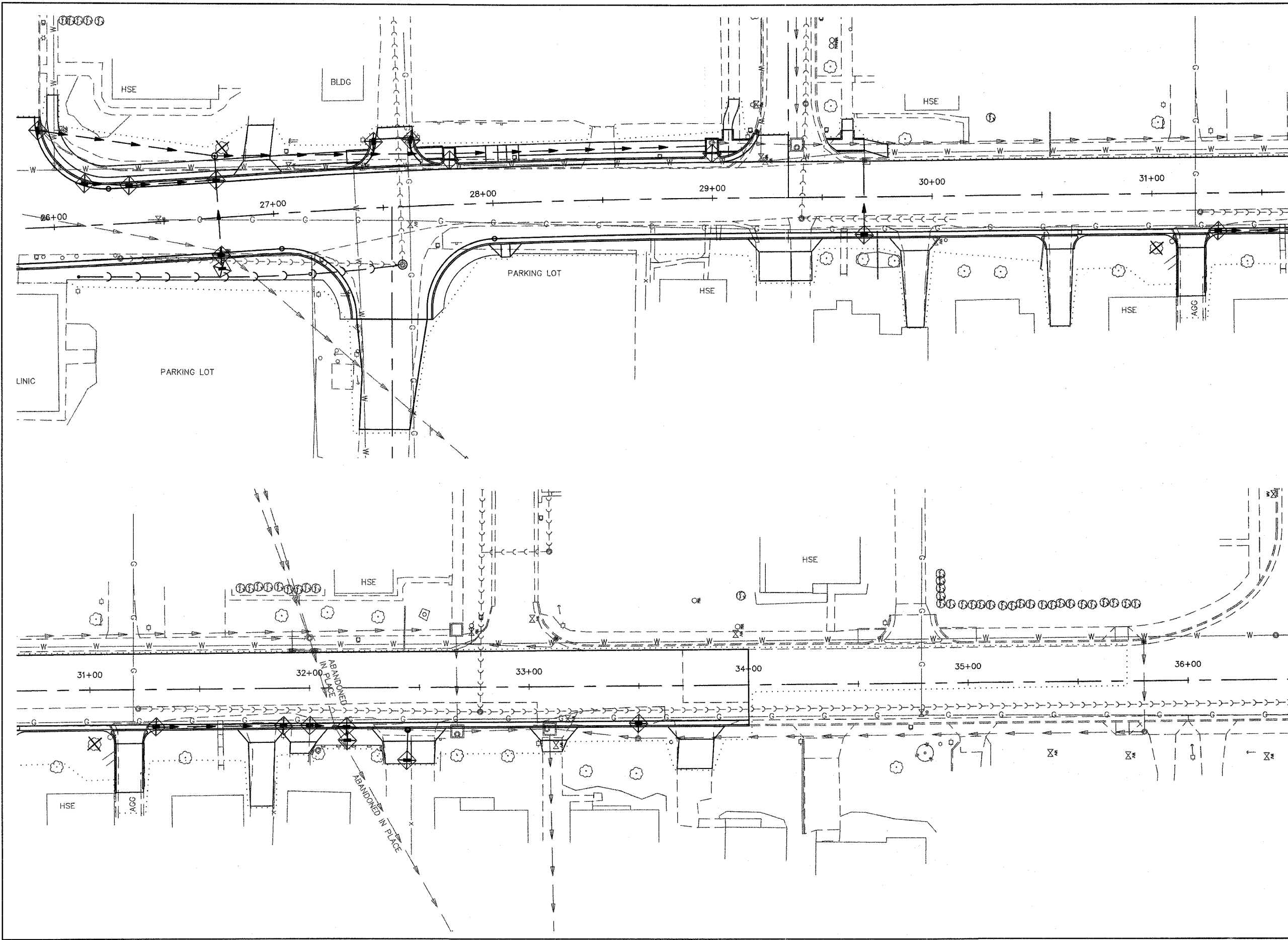


BY	DATE

FINAL SURVEY PLOTTED
NOTE BOOK TEMPLATE
AREAS CHECKED
NO.

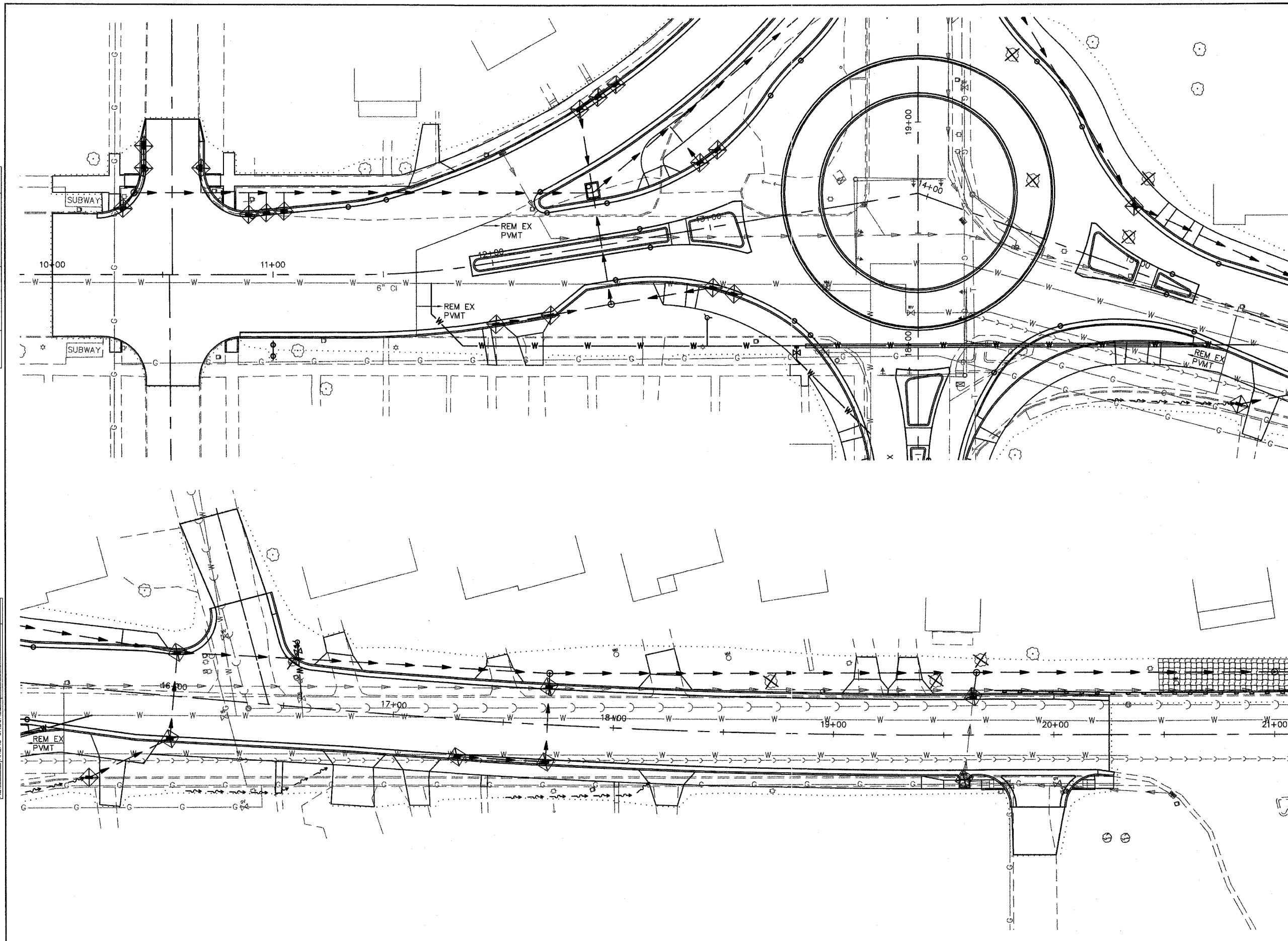
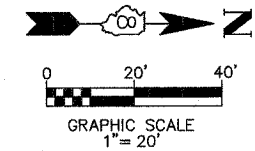
BY	DATE

ORIGINAL SURVEY PLOTTED
NOTE BOOK TEMPLATE
AREAS CHECKED
NO.



POPLAR STREET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	30
STA. 10+00 TO STA. 21+00				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
STORM WATER POLLUTION PREVENTION PLAN				
CONTRACT NO. 97324				

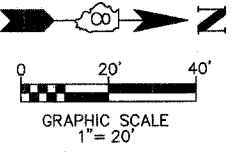


BY	DATE

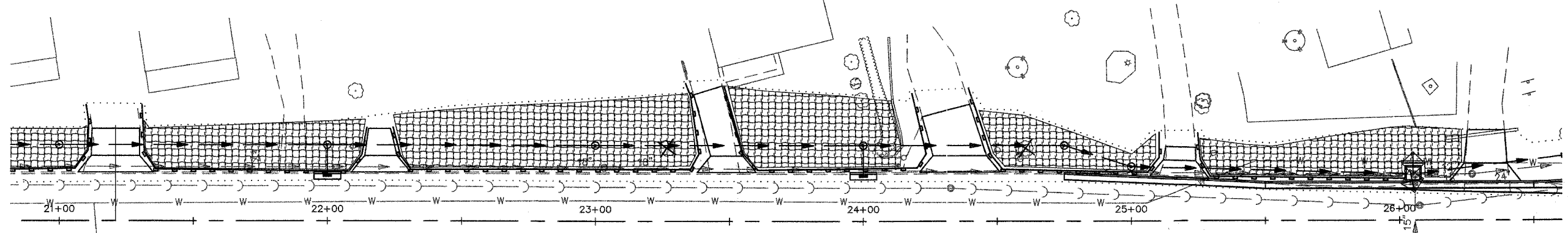
BY	DATE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	31
STA. 21+00		TO STA. 29+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
STORM WATER POLLUTION PREVENTION PLAN				

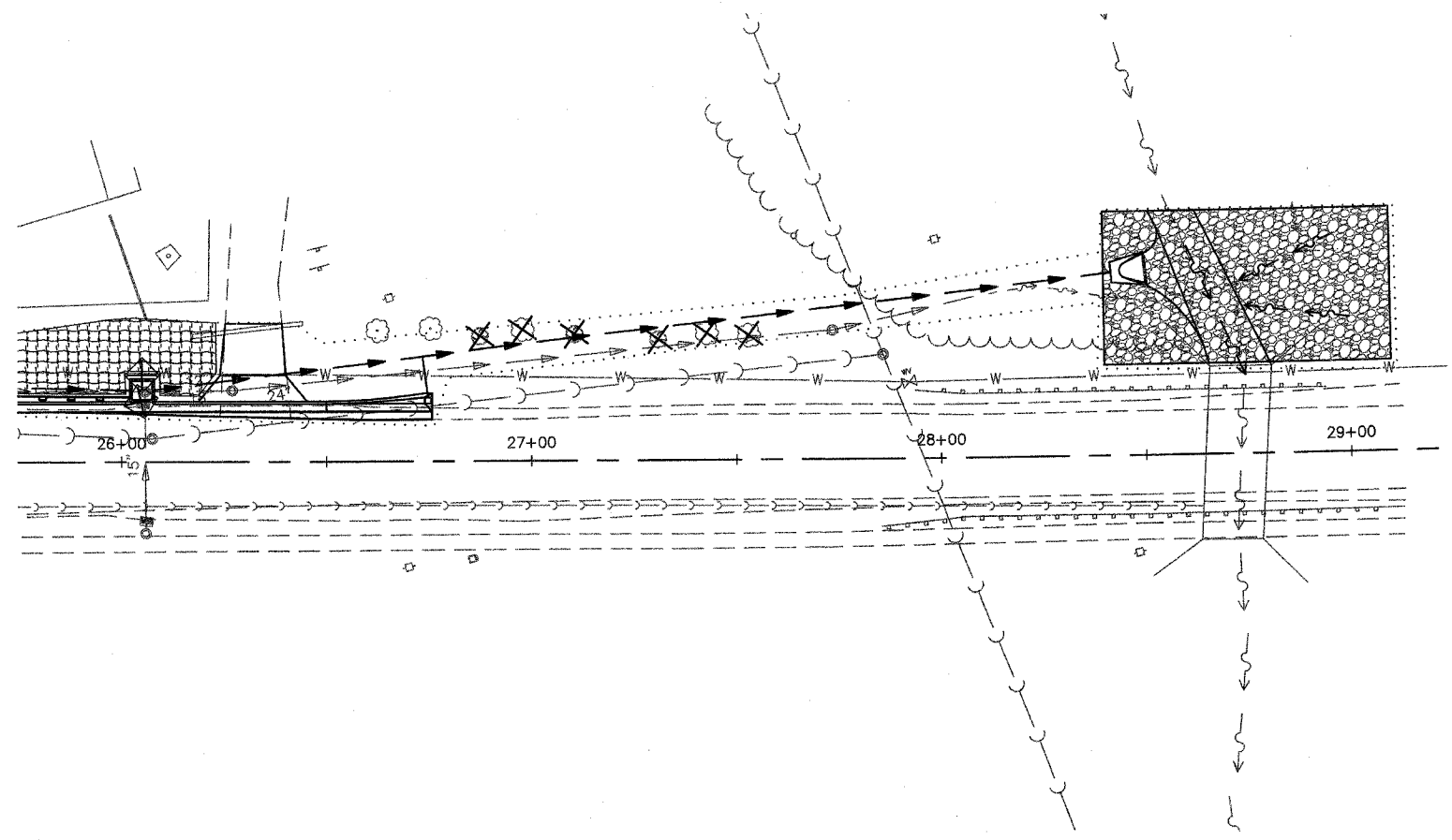
CONTRACT NO. 97324



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






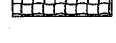


BY	DATE
ORIGINAL SURVEYED	
SURVEY PLOTTED	
NOTE BOOK TEMPLATE	
AREAS CHECKED	
NO.	



EROSION CONTROL SCHEDULE

STATION	STATION	EROSION CONTROL BLANKET 25100630 (SQ YD)	TEMP EROS CONTR SEED 28000250 (POUND)	PERIMETER EROS BAR 28000400 (FOOT)	INLET & PIPE PROTECTION 28000500 (EACH)
POPLAR STREET					
15+75	18+68		112		
18+68	22+60		224	80	18
22+60	34+00		280	50	23
IL ROUTE 160 / BROADWAY					
10+00	13+96		224		16
13+96	29+00	967	280	820	11
TOTAL		967	1,120	950	68

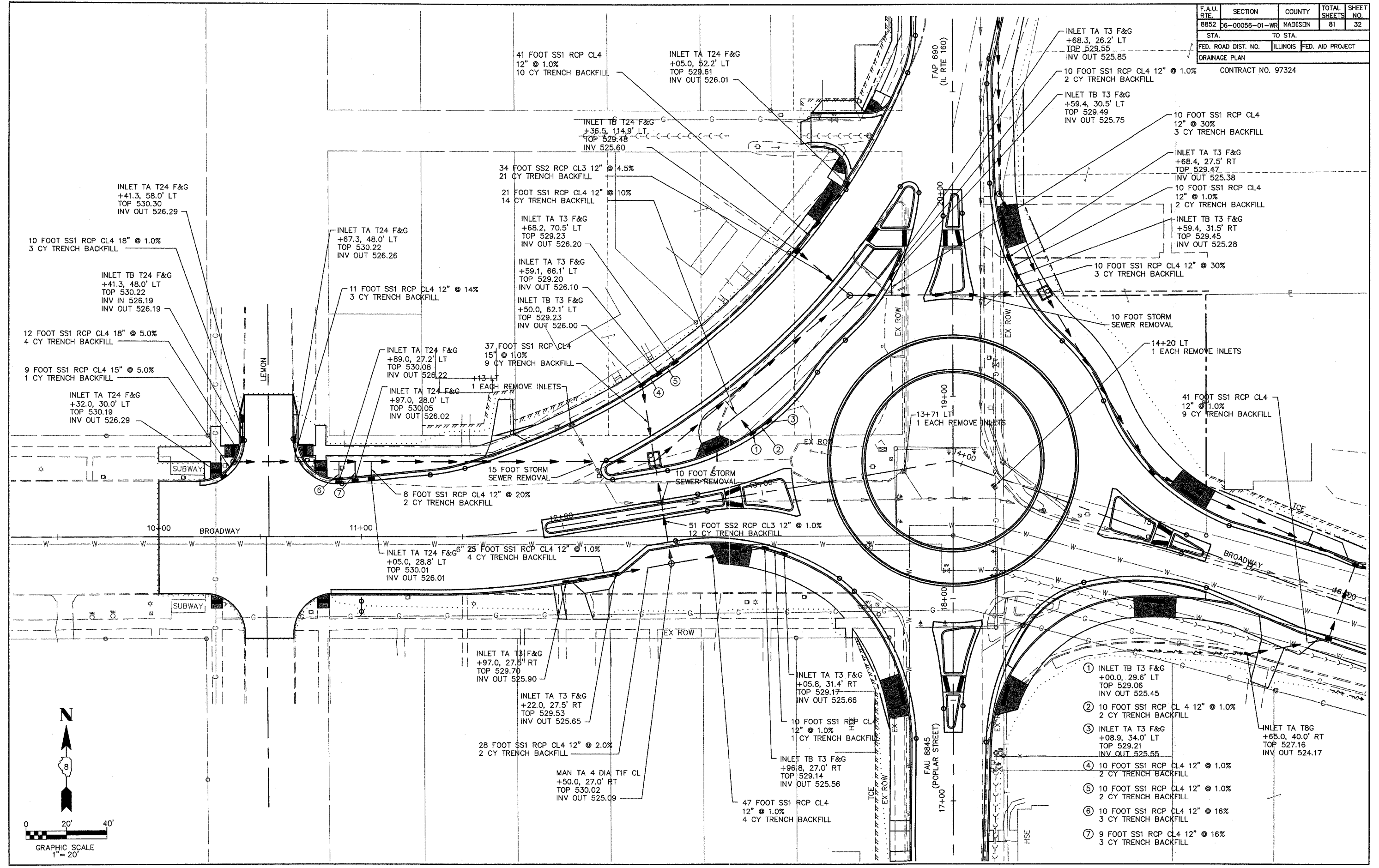
LEGEND

-  LIMITS OF CONSTRUCTION
-  TEMPORARY DITCH CHECK
-  RIPRAP
-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
-  INLET AND PIPE PROTECTION

NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER. MAINTENANCE AND CLEANING OF THE EROSION CONTROL ITEMS SHALL BE INCLUDED IN THE RESPECTIVE EROSION CONTROL PAY ITEM.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	D6-00056-01-WR	MADISON	81	32
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
DRAINAGE PLAN				

CONTRACT NO. 97324



INLET TA T24 F&G
+41.3, 58.0' LT
TOP 530.30
INV OUT 526.29

10 FOOT SS1 RCP CL4 18" @ 1.0%
3 CY TRENCH BACKFILL

INLET TB T24 F&G
+41.3, 48.0' LT
TOP 530.22
INV IN 526.19
INV OUT 526.19

12 FOOT SS1 RCP CL4 18" @ 5.0%
4 CY TRENCH BACKFILL

9 FOOT SS1 RCP CL4 15" @ 5.0%
1 CY TRENCH BACKFILL

INLET TA T24 F&G
+32.0, 30.0' LT
TOP 530.19
INV OUT 526.29

INLET TA T24 F&G
+67.3, 48.0' LT
TOP 530.22
INV OUT 526.26

11 FOOT SS1 RCP CL4 12" @ 14%
3 CY TRENCH BACKFILL

INLET TA T24 F&G
+89.0, 27.2' LT
TOP 530.08
INV OUT 526.22

INLET TA T24 F&G
+97.0, 28.0' LT
TOP 530.05
INV OUT 526.02

37 FOOT SS1 RCP CL4
15" @ 1.0%
9 CY TRENCH BACKFILL

15 FT STORM SEWER REMOVAL

10 FOOT STORM SEWER REMOVAL

8 FOOT SS1 RCP CL4 12" @ 20%
2 CY TRENCH BACKFILL

25 FOOT SS1 RCP CL4 12" @ 1.0%
4 CY TRENCH BACKFILL

INLET TA T24 F&G
+05.0, 28.8' LT
TOP 530.01
INV OUT 526.01

INLET TA T3 F&G
+97.0, 27.5' RT
TOP 529.70
INV OUT 525.90

INLET TA T3 F&G
+22.0, 27.5' RT
TOP 529.53
INV OUT 525.65

28 FOOT SS1 RCP CL4 12" @ 2.0%
2 CY TRENCH BACKFILL

MAN TA 4 DIA TIF CL
+50.0, 27.0' RT
TOP 530.02
INV OUT 525.09

INLET TA T24 F&G
+05.0, 52.2' LT
TOP 529.61
INV OUT 526.01

INLET TB T24 F&G
+36.5, 114.9' LT
TOP 529.48
INV OUT 525.60

34 FOOT SS2 RCP CL3 12" @ 4.5%
21 CY TRENCH BACKFILL

21 FOOT SS1 RCP CL4 12" @ 10%
14 CY TRENCH BACKFILL

INLET TA T3 F&G
+68.2, 70.5' LT
TOP 529.23
INV OUT 526.20

INLET TA T3 F&G
+59.1, 66.1' LT
TOP 529.20
INV OUT 526.10

INLET TB T3 F&G
+50.0, 62.1' LT
TOP 529.23
INV OUT 526.00

INLET TA T3 F&G
+05.8, 31.4' RT
TOP 529.17
INV OUT 525.66

10 FOOT SS1 RCP CL
12" @ 1.0%
1 CY TRENCH BACKFILL

INLET TB T3 F&G
+96.8, 27.0' RT
TOP 529.14
INV OUT 525.56

47 FOOT SS1 RCP CL4
12" @ 1.0%
4 CY TRENCH BACKFILL

INLET TA T3 F&G
+68.3, 26.2' LT
TOP 529.55
INV OUT 525.85

10 FOOT SS1 RCP CL4 12" @ 1.0%
2 CY TRENCH BACKFILL

INLET TB T3 F&G
+59.4, 30.5' LT
TOP 529.49
INV OUT 525.75

10 FOOT SS1 RCP CL4
12" @ 30%
3 CY TRENCH BACKFILL

INLET TA T3 F&G
+68.4, 27.5' RT
TOP 529.47
INV OUT 525.38

10 FOOT SS1 RCP CL4
12" @ 1.0%
2 CY TRENCH BACKFILL

INLET TB T3 F&G
+59.4, 31.5' RT
TOP 529.45
INV OUT 525.28

10 FOOT SS1 RCP CL4 12" @ 30%
3 CY TRENCH BACKFILL

10 FOOT STORM SEWER REMOVAL

14+20 LT
1 EACH REMOVE INLETS

41 FOOT SS1 RCP CL4
12" @ 1.0%
9 CY TRENCH BACKFILL

① INLET TB T3 F&G
+00.0, 29.6' LT
TOP 529.06
INV OUT 525.45

② 10 FOOT SS1 RCP CL 4 12" @ 1.0%
2 CY TRENCH BACKFILL

③ INLET TA T3 F&G
+08.9, 34.0' LT
TOP 529.21
INV OUT 525.55

④ 10 FOOT SS1 RCP CL4 12" @ 1.0%
2 CY TRENCH BACKFILL

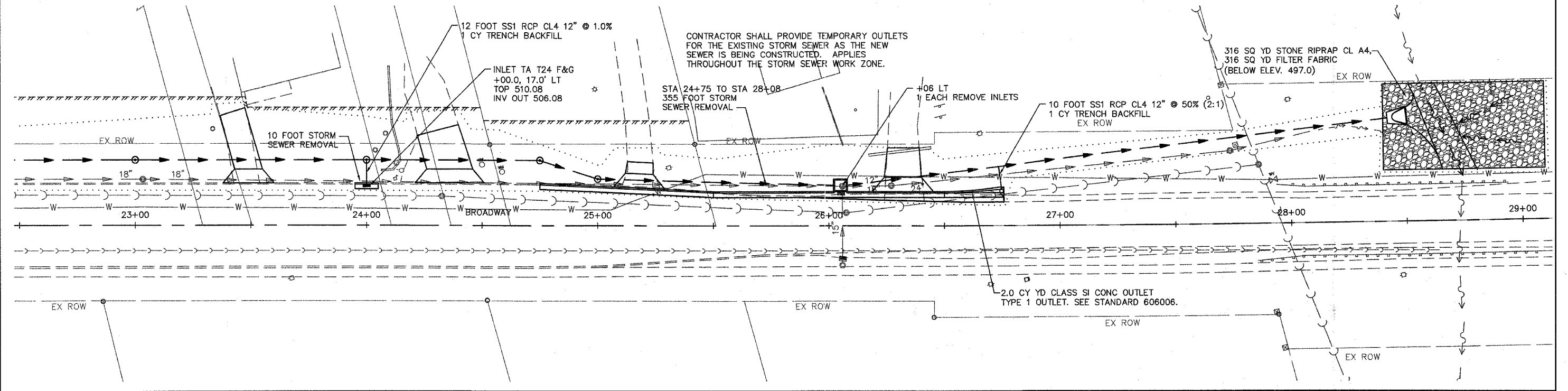
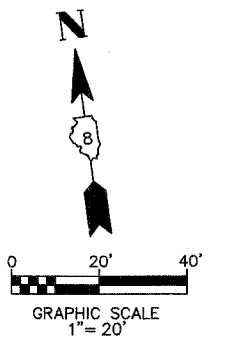
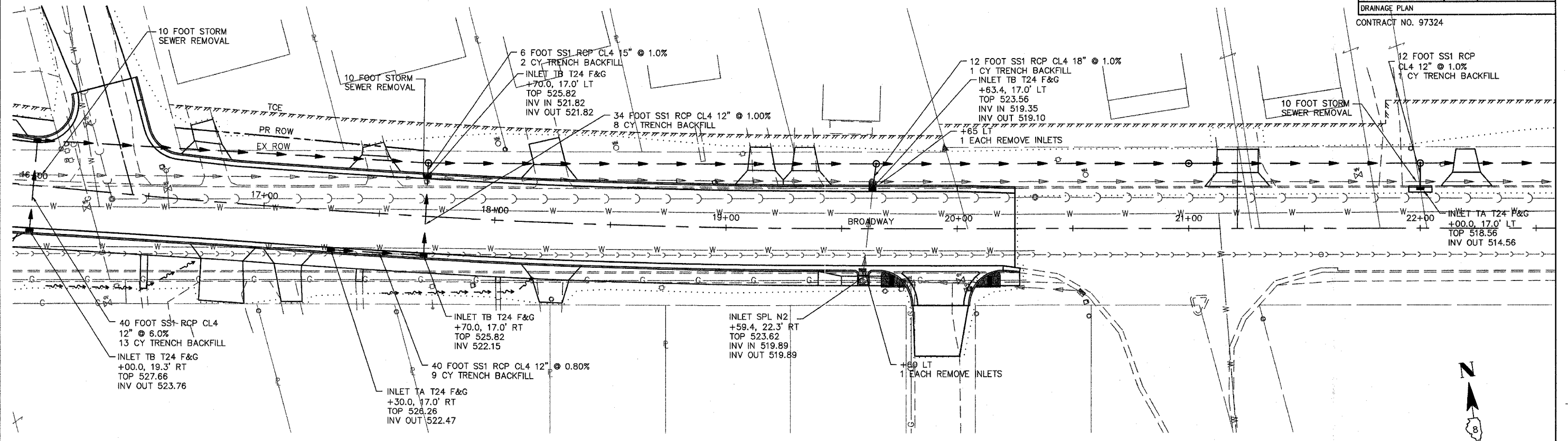
⑤ 10 FOOT SS1 RCP CL4 12" @ 1.0%
2 CY TRENCH BACKFILL

⑥ 10 FOOT SS1 RCP CL4 12" @ 16%
3 CY TRENCH BACKFILL

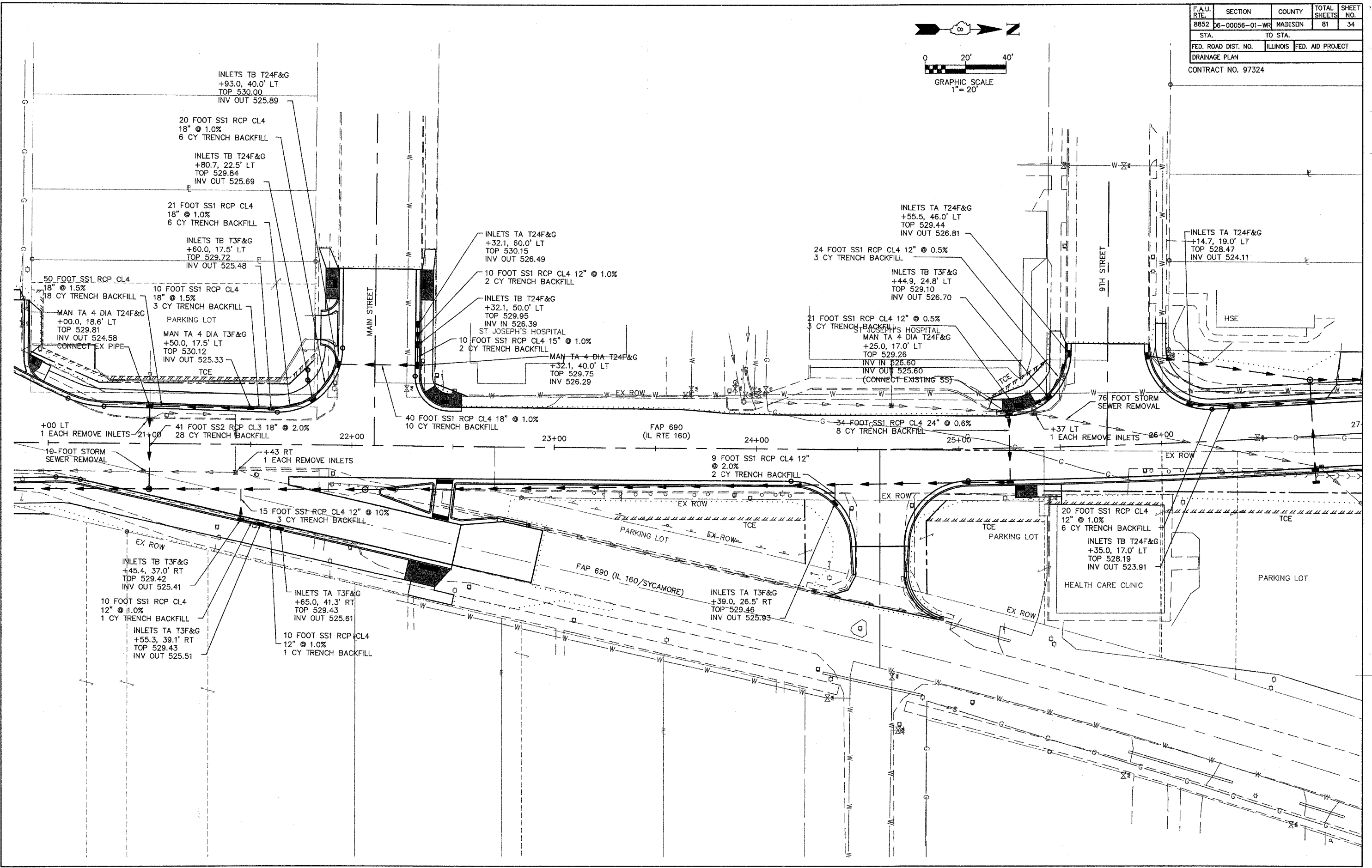
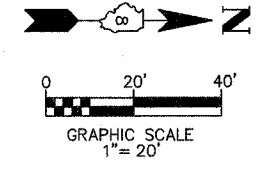
⑦ 9 FOOT SS1 RCP CL4 12" @ 16%
3 CY TRENCH BACKFILL

INLET TA T8G
+65.0, 40.0' RT
TOP 527.16
INV OUT 524.17

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	33
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
DRAINAGE PLAN				
CONTRACT NO. 97324				



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	D6-00056-01-WR	MADISON	81	34
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
DRAINAGE PLAN				
CONTRACT NO. 97324				



INLETS TB T24F&G
+93.0, 40.0' LT
TOP 530.00
INV OUT 525.89

20 FOOT SS1 RCP CL4
18" @ 1.0%
6 CY TRENCH BACKFILL

INLETS TB T24F&G
+80.7, 22.5' LT
TOP 529.84
INV OUT 525.69

21 FOOT SS1 RCP CL4
18" @ 1.0%
6 CY TRENCH BACKFILL

INLETS TB T3F&G
+60.0, 17.5' LT
TOP 529.72
INV OUT 525.48

50 FOOT SS1 RCP CL4
18" @ 1.5%
18 CY TRENCH BACKFILL

MAN TA 4 DIA T24F&G
+00.0, 18.6' LT
TOP 529.81
INV OUT 524.58
CONNECT EX PIPE

10 FOOT SS1 RCP CL4
18" @ 1.5%
3 CY TRENCH BACKFILL

PARKING LOT
MAN TA 4 DIA T3F&G
+50.0, 17.5' LT
TOP 530.12
INV OUT 525.33

INLETS TA T24F&G
+32.1, 60.0' LT
TOP 530.15
INV OUT 526.49

10 FOOT SS1 RCP CL4 12" @ 1.0%
2 CY TRENCH BACKFILL

INLETS TB T24F&G
+32.1, 50.0' LT
TOP 529.95
INV IN 526.39

10 FOOT SS1 RCP CL4 15" @ 1.0%
2 CY TRENCH BACKFILL

MAN TA 4 DIA T24F&G
+32.1, 40.0' LT
TOP 529.75
INV 526.29

40 FOOT SS1 RCP CL4 18" @ 1.0%
10 CY TRENCH BACKFILL

FAP 690
(IL RTE 160)

24 FOOT SS1 RCP CL4 12" @ 0.5%
3 CY TRENCH BACKFILL

INLETS TA T24F&G
+55.5, 46.0' LT
TOP 529.44
INV OUT 526.81

INLETS TB T3F&G
+44.9, 24.8' LT
TOP 529.10
INV OUT 526.70

21 FOOT SS1 RCP CL4 12" @ 0.5%
3 CY TRENCH BACKFILL

MAN TA 4 DIA T24F&G
+25.0, 17.0' LT
TOP 529.26
INV IN 526.60
INV OUT 525.60
(CONNECT EXISTING SS)

34 FOOT SS1 RCP CL4 24" @ 0.6%
8 CY TRENCH BACKFILL

INLETS TA T24F&G
+14.7, 19.0' LT
TOP 528.47
INV OUT 524.11

+00 LT
1 EACH REMOVE INLETS-21+00

41 FOOT SS2 RCP CL3 18" @ 2.0%
28 CY TRENCH BACKFILL

10-FOOT STORM
SEWER REMOVAL

+43 RT
1 EACH REMOVE INLETS

9 FOOT SS1 RCP CL4 12"
@ 2.0%
2 CY TRENCH BACKFILL

+37 LT
1 EACH REMOVE INLETS

15 FOOT SS1 RCP CL4 12" @ 10%
3 CY TRENCH BACKFILL

INLETS TB T3F&G
+45.4, 37.0' RT
TOP 529.42
INV OUT 525.41

10 FOOT SS1 RCP CL4
12" @ 1.0%
1 CY TRENCH BACKFILL

INLETS TA T3F&G
+55.3, 39.1' RT
TOP 529.43
INV OUT 525.51

INLETS TA T3F&G
+65.0, 41.3' RT
TOP 529.43
INV OUT 525.61

10 FOOT SS1 RCP CL4
12" @ 1.0%
1 CY TRENCH BACKFILL

INLETS TA T3F&G
+39.0, 26.5' RT
TOP 529.46
INV OUT 525.93

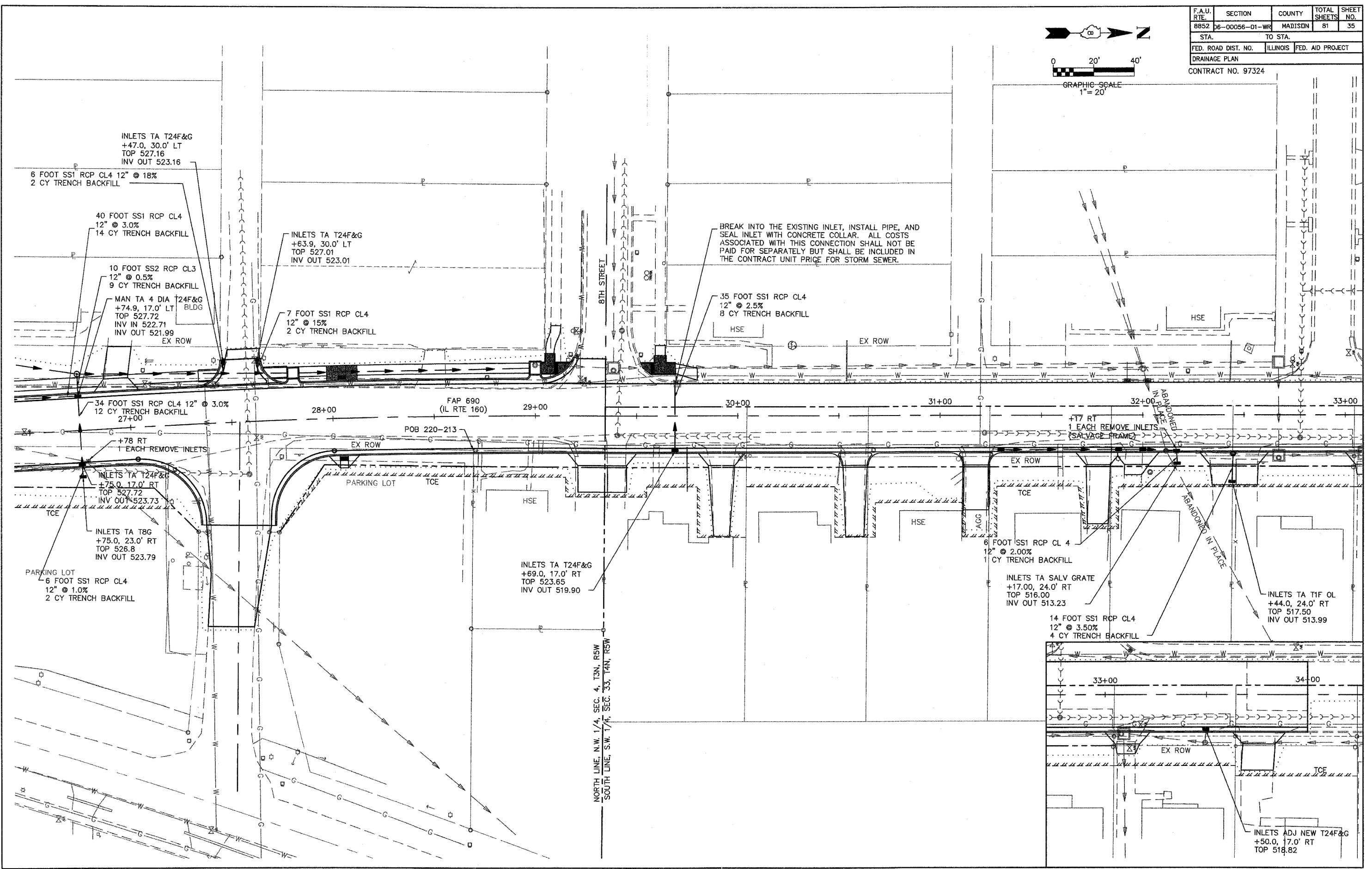
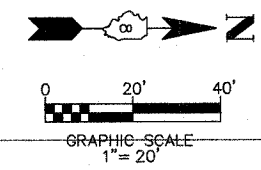
20 FOOT SS1 RCP CL4
12" @ 1.0%
6 CY TRENCH BACKFILL

INLETS TB T24F&G
+35.0, 17.0' LT
TOP 528.19
INV OUT 523.91

HEALTH CARE CLINIC

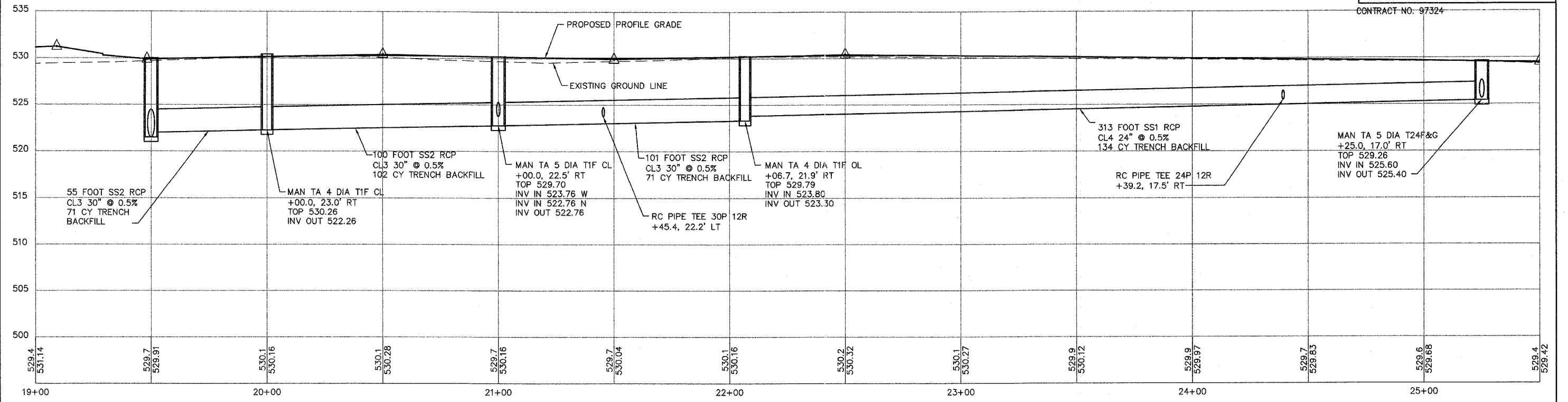
PARKING LOT

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	D6-00056-01-WR	MADISON	81	35
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
DRAINAGE PLAN				
CONTRACT NO. 97324				

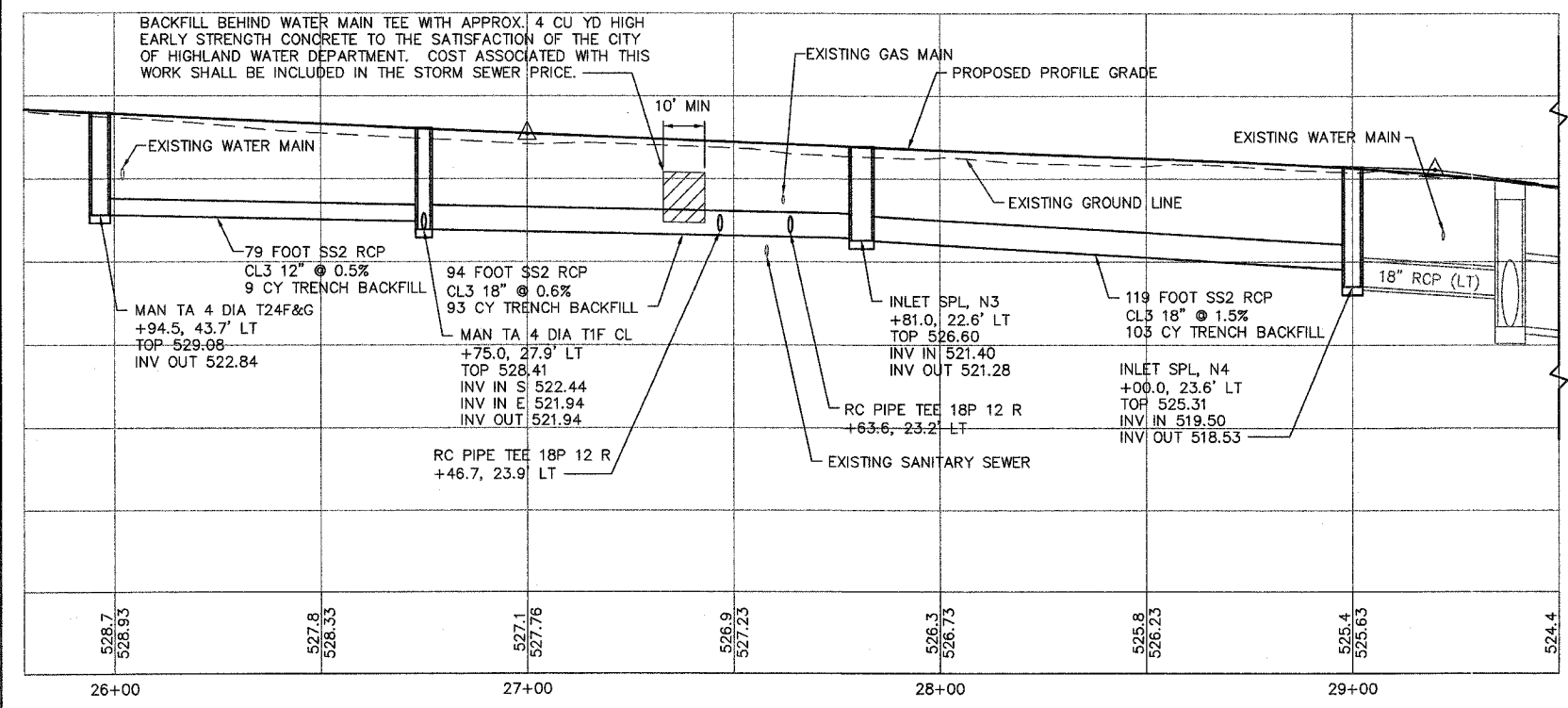


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	D6-00056-01-WR	MADISON	81	36
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
DRAINAGE PROFILE				

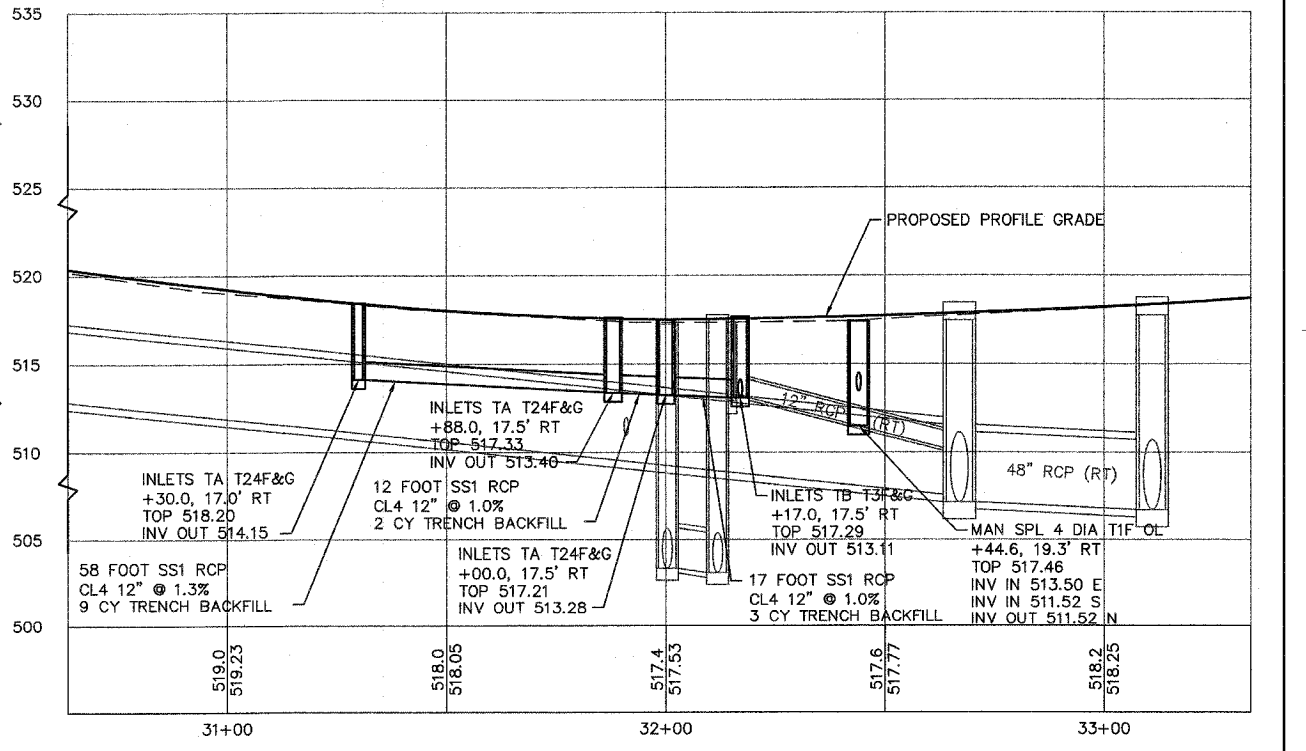
CONTRACT NO. 97324



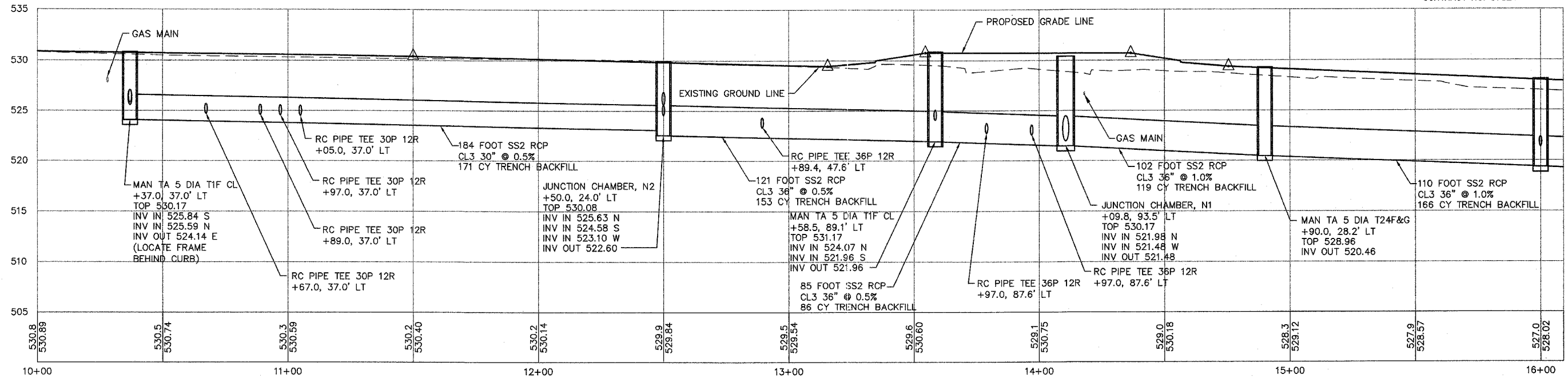
POPLAR STREET
SCALE: 1" = 20' HORIZ
1" = 5' VERT



POPLAR STREET
SCALE: 1" = 20' HORIZ
1" = 5' VERT

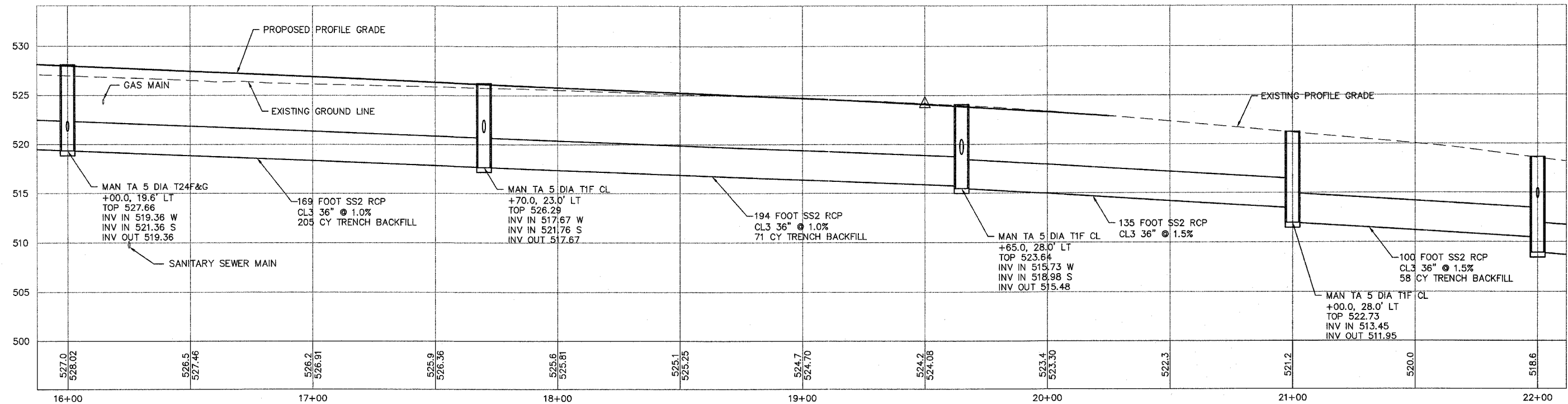


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	D6-00056-01-WR	MADISON	81	37
STA. TO STA.				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
DRAINAGE PROFILES				
CONTRACT NO. 97324				



BROADWAY

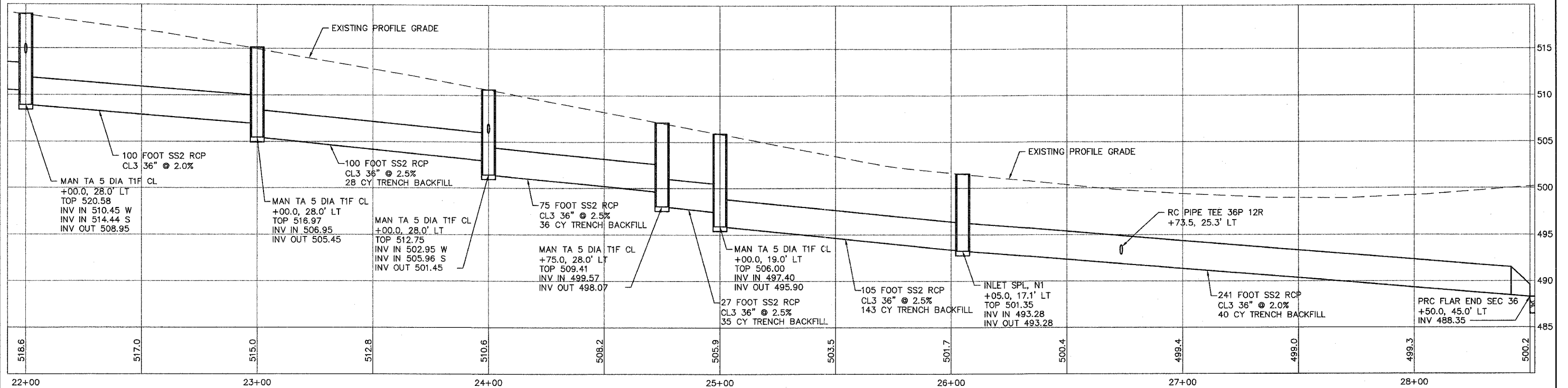
SCALE: 1" = 20' HORIZ
1" = 5' VERT



BROADWAY

SCALE: 1" = 20' HORIZ
1" = 5' VERT

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	38
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
DRAINAGE PROFILE				
CONTRACT NO. 97324				



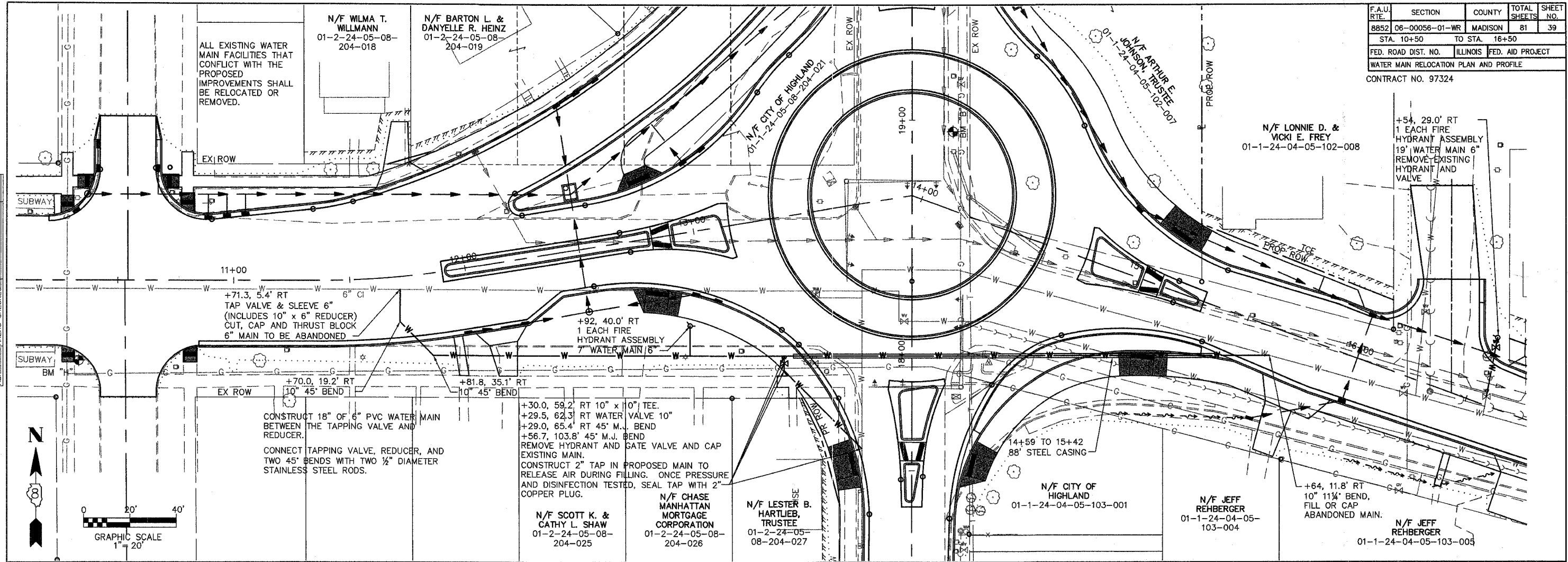
BROADWAY

SCALE: 1" = 20' HORIZ
 1" = 5' VERT

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	39
STA. 10+50		TO STA. 16+50		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
WATER MAIN RELOCATION PLAN AND PROFILE				
CONTRACT NO. 97324				

DATE	BY

DATE	BY

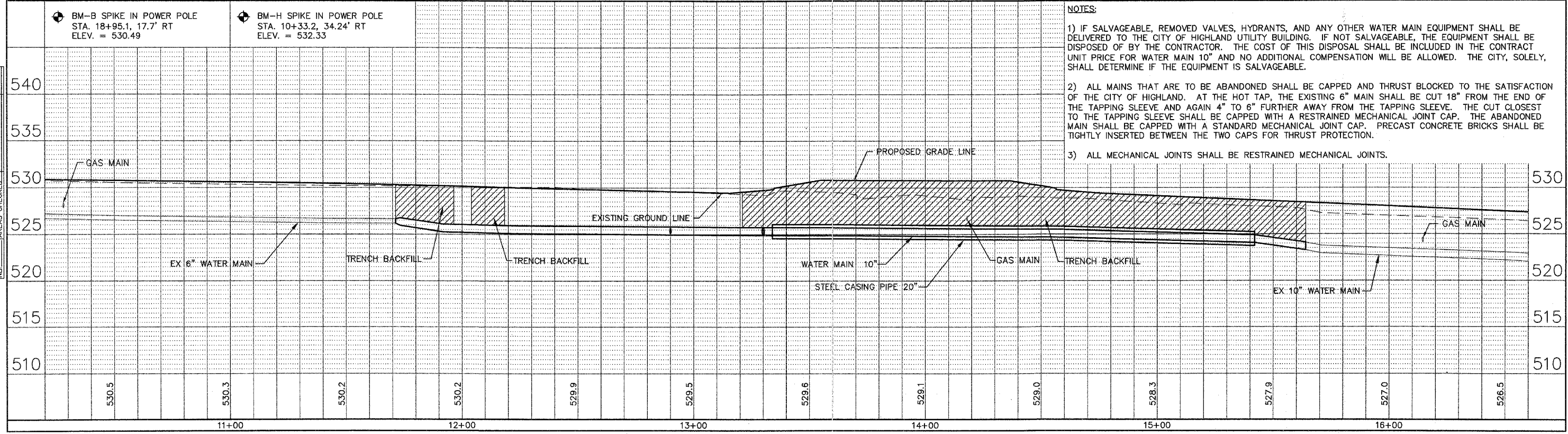


BM-B SPIKE IN POWER POLE STA. 18+95.1, 17.7' RT ELEV. = 530.49

BM-H SPIKE IN POWER POLE STA. 10+33.2, 34.24' RT ELEV. = 532.33

NOTES:


- 1) IF SALVAGEABLE, REMOVED VALVES, HYDRANTS, AND ANY OTHER WATER MAIN EQUIPMENT SHALL BE DELIVERED TO THE CITY OF HIGHLAND UTILITY BUILDING. IF NOT SALVAGEABLE, THE EQUIPMENT SHALL BE DISPOSED OF BY THE CONTRACTOR. THE COST OF THIS DISPOSAL SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR WATER MAIN 10" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE CITY, SOLELY, SHALL DETERMINE IF THE EQUIPMENT IS SALVAGEABLE.
- 2) ALL MAINS THAT ARE TO BE ABANDONED SHALL BE CAPPED AND THRUST BLOCKED TO THE SATISFACTION OF THE CITY OF HIGHLAND. AT THE HOT TAP, THE EXISTING 6" MAIN SHALL BE CUT 18" FROM THE END OF THE TAPPING SLEEVE AND AGAIN 4" TO 6" FURTHER AWAY FROM THE TAPPING SLEEVE. THE CUT CLOSEST TO THE TAPPING SLEEVE SHALL BE CAPPED WITH A RESTRAINED MECHANICAL JOINT CAP. THE ABANDONED MAIN SHALL BE CAPPED WITH A STANDARD MECHANICAL JOINT CAP. PRECAST CONCRETE BRICKS SHALL BE TIGHTLY INSERTED BETWEEN THE TWO CAPS FOR THRUST PROTECTION.
- 3) ALL MECHANICAL JOINTS SHALL BE RESTRAINED MECHANICAL JOINTS.



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	40
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
ROUNDABOUT DETAIL				

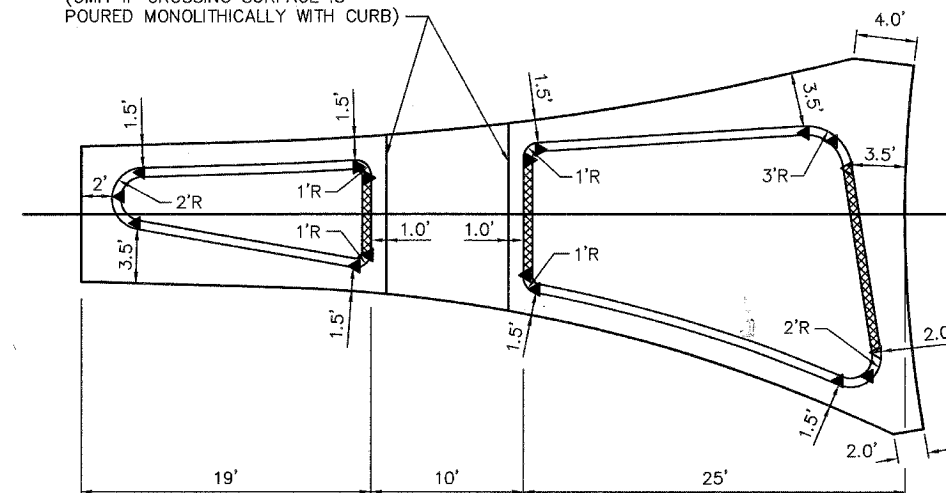
CONTRACT NO. 97324

NOTES:

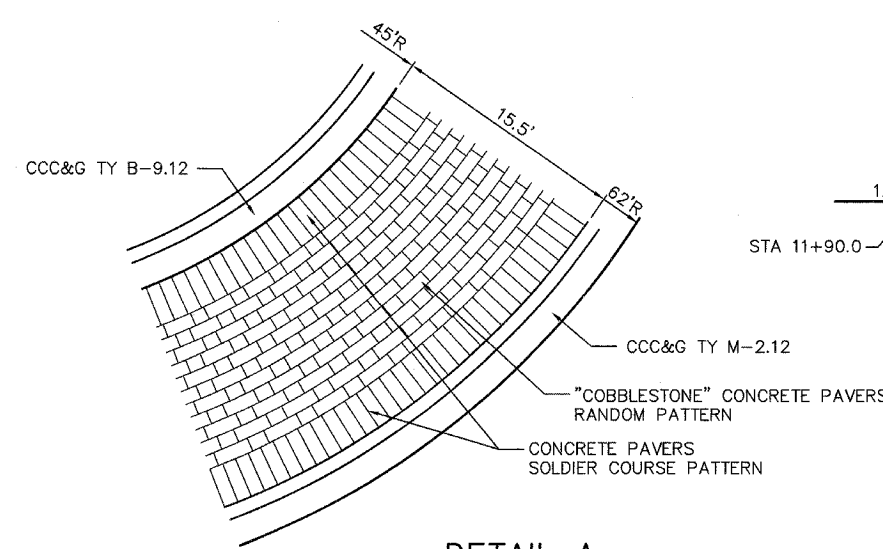
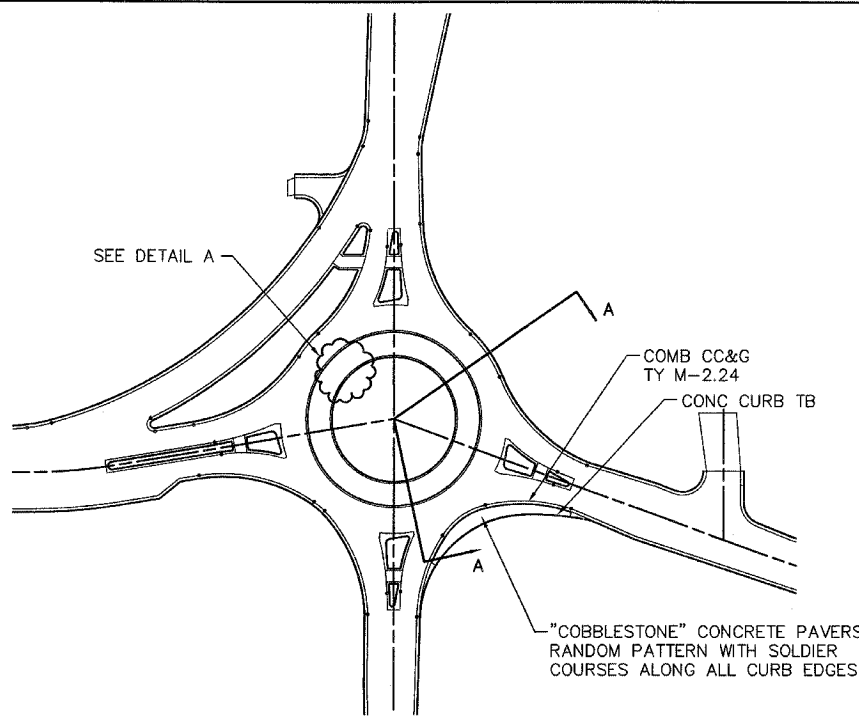
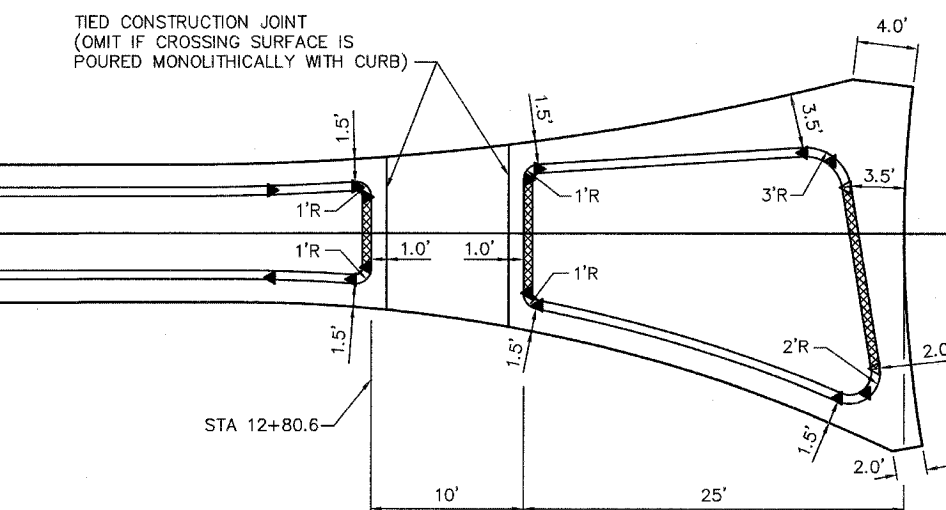
1. ALL RADII DIMENSIONED TO FACE OF CURB, UNLESS OTHERWISE NOTED.
2. ALL CURB AND GUTTER AT THE SPLITTER ISLANDS ARE COMBINATION CONCRETE CURB AND GUTTER, (SPECIAL).
3. PRISMATIC REFLECTORS SHALL BE MONO-DIRECTIONAL AND POSITIONED SO THAT THE REFLECTIVE FACE IS FACING THE APPROACHING TRAFFIC.
4. PRISMATIC REFLECTORS SHALL BE SECURED IN PLACE WITH AN EPOXY ADHESIVE.
5. PRISMATIC REFLECTORS SHALL BE CRYSTAL OR AMBER IN COLOR.
6. CURB FACE AND TOP SHALL BE PAINTED IN ACCORDANCE WITH SECTION 780.06 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION." ALL CURBS SHALL BE PAINTED YELLOW UNLESS OTHERWISE NOTED.
 WHITE CURB FACE AND TOPS
7. THE BACK OF THE MOUNTABLE CURB AND GUTTER AND THE FRONT EDGE OF THE GUTTER AT THE B-9.12 CURB AND GUTTER SHALL BE VERTICAL TO ENSURE A TIGHT FIT AGAINST THE CONCRETE PAVER.
8. GENERALLY, CONCRETE PAVERS SHALL BE SET SO THAT RADIAL JOINTS ON ADJACENT ROWS ARE AT LEAST 2" APART. OCCASIONAL ALIGNMENT OF THE JOINTS MAY BE ALLOWED IF APPROVED BY THE ENGINEER. PAVERS SHALL BE SET A 90° TO THE CURB LINE. PAVERS SHALL BE IN A RADIAL PATTERN. HOT-MIX ASPHALT BINDER COURSE ELEVATION SHALL BE ESTABLISHED ONCE THE CONCRETE PAVER IS CHOSEN.
9. A POLYMER STABILIZED SAND (ORGANIC JOINT SAND STABILIZER) SHALL BE USED TO FILL THE PAVER JOINTS.
10. THE BEDDING SAND THICKNESS SHALL BE A NOMINAL 1" THICK.
11. SEE PAVEMENT MARKING PLANS FOR PAVEMENT MARKINGS IN THE VICINITY OF THE SPLITTER ISLANDS.

- ▷ ONE-WAY CRYSTAL PRISMATIC CURB REFLECTOR
- ▶ ONE-WAY AMBER PRISMATIC CURB REFLECTOR

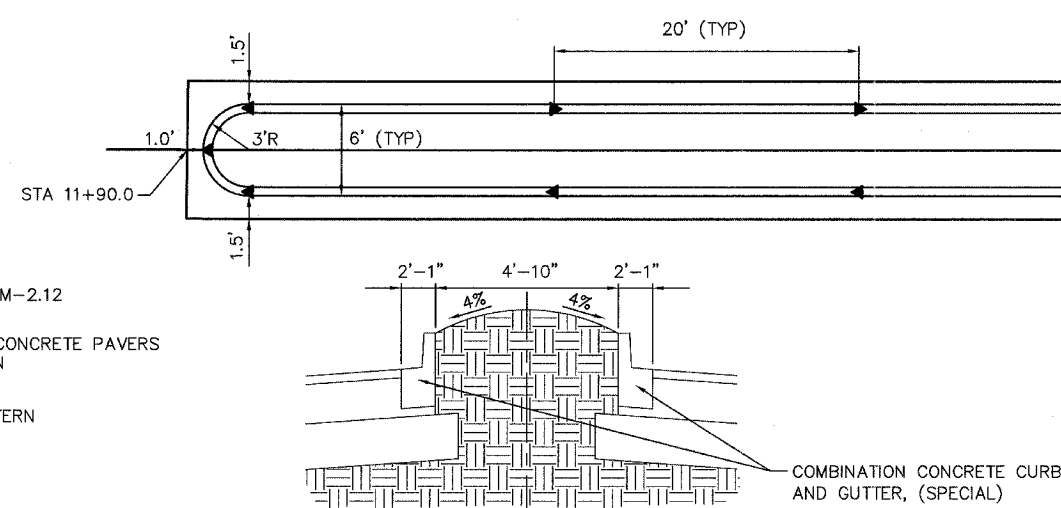
TIED CONSTRUCTION JOINT
(OMIT IF CROSSING SURFACE IS
POURED MONOLITHICALLY WITH CURB)



TIED CONSTRUCTION JOINT
(OMIT IF CROSSING SURFACE IS
POURED MONOLITHICALLY WITH CURB)

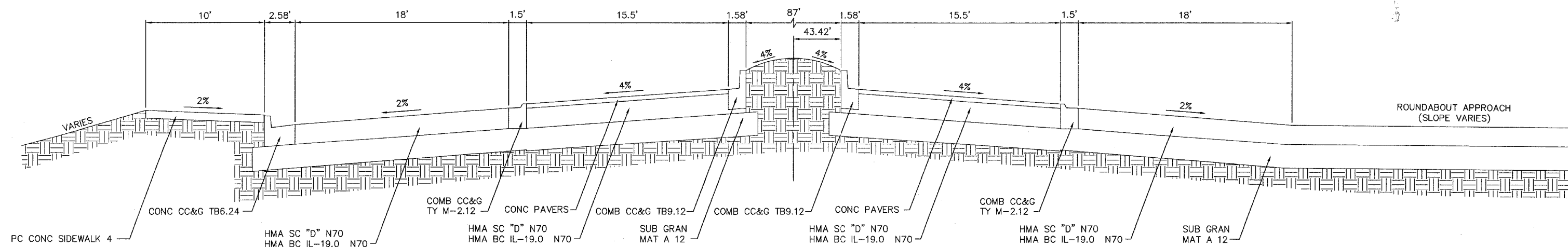


DETAIL A
(NOT TO SCALE)



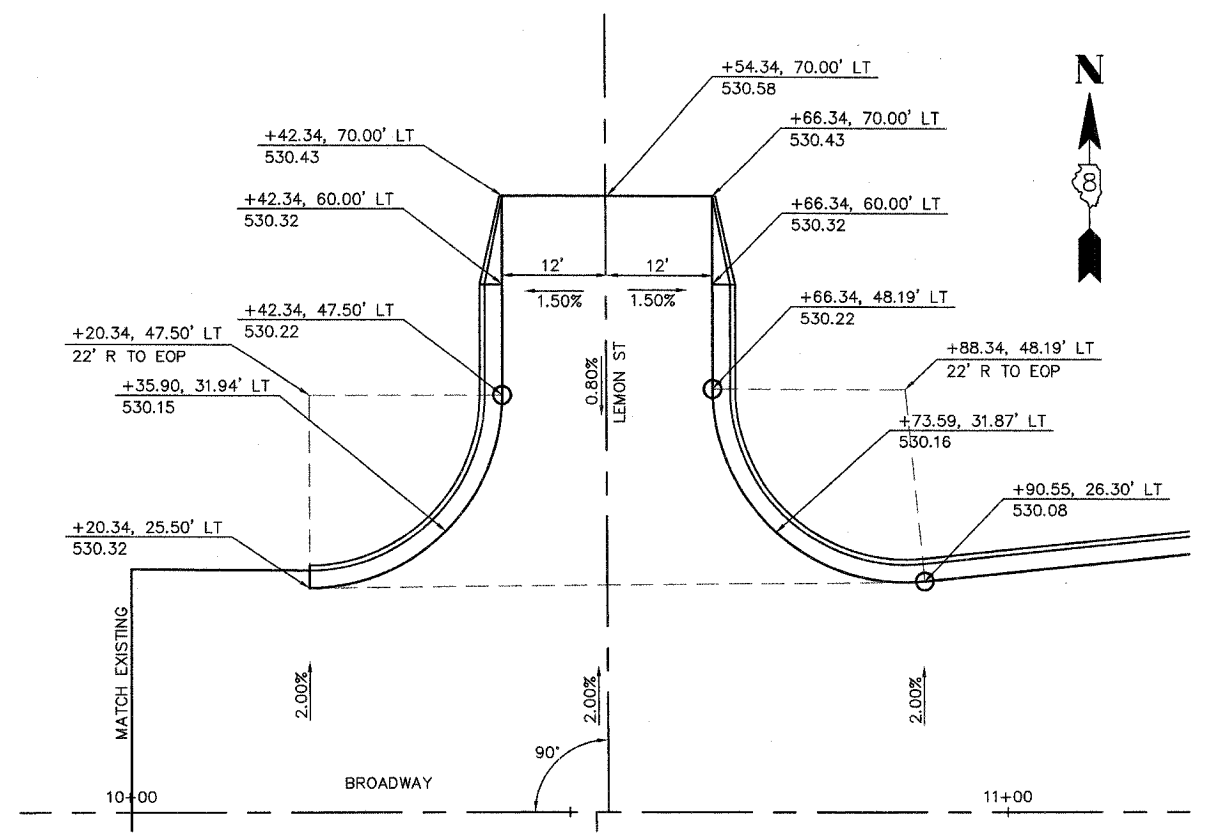
SECTION B-B
(NOT TO SCALE)

SPLITTER ISLAND DETAILS
(NOT TO SCALE)



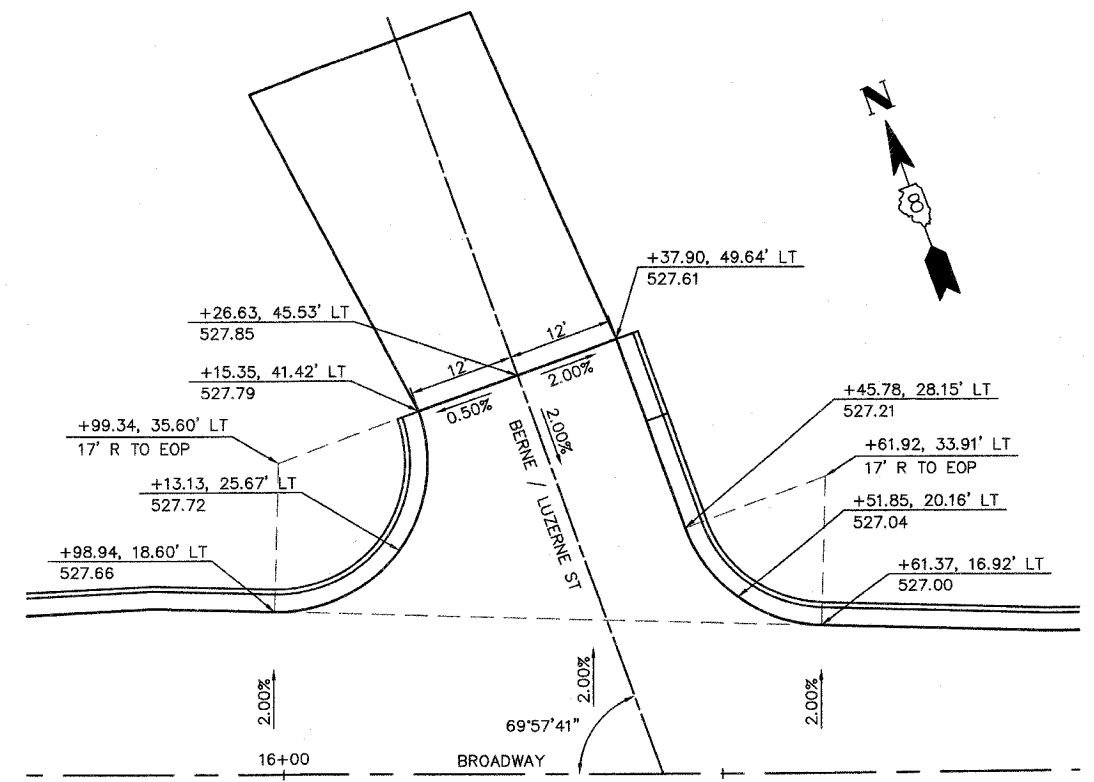
SECTION A-A
(NOT TO SCALE)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	41
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
INTERSECTION DETAILS				
CONTRACT NO. 97324				



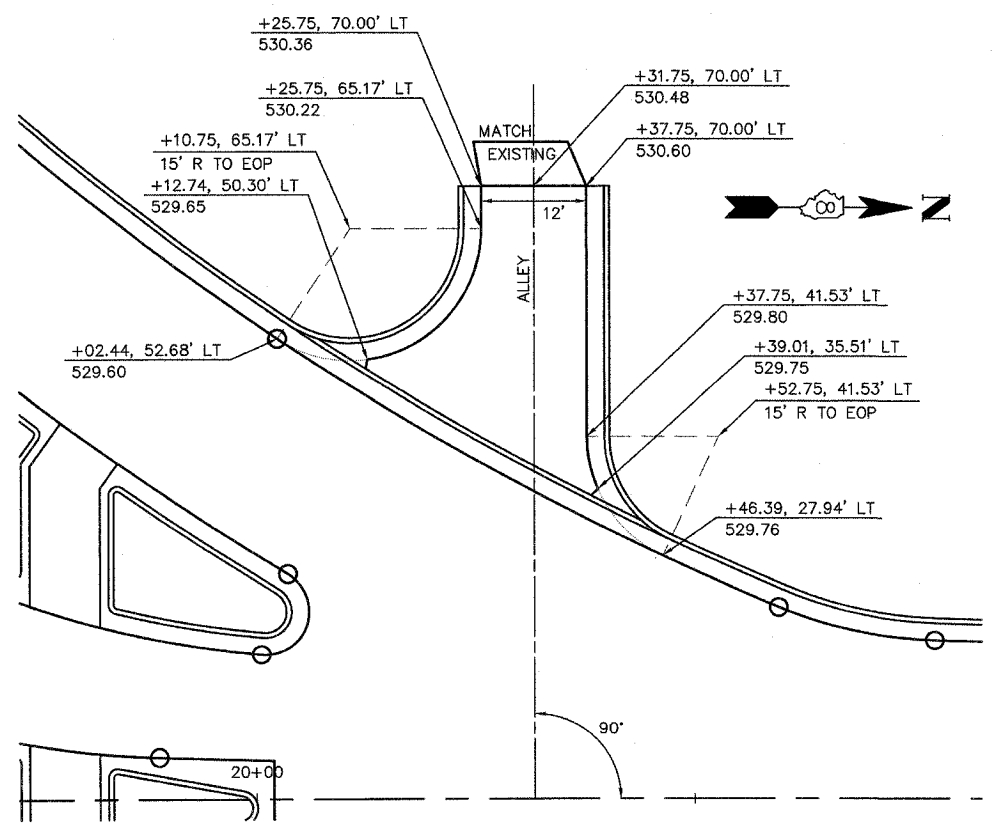
BROADWAY INTERSECTION WITH LEMON STREET

NOT TO SCALE



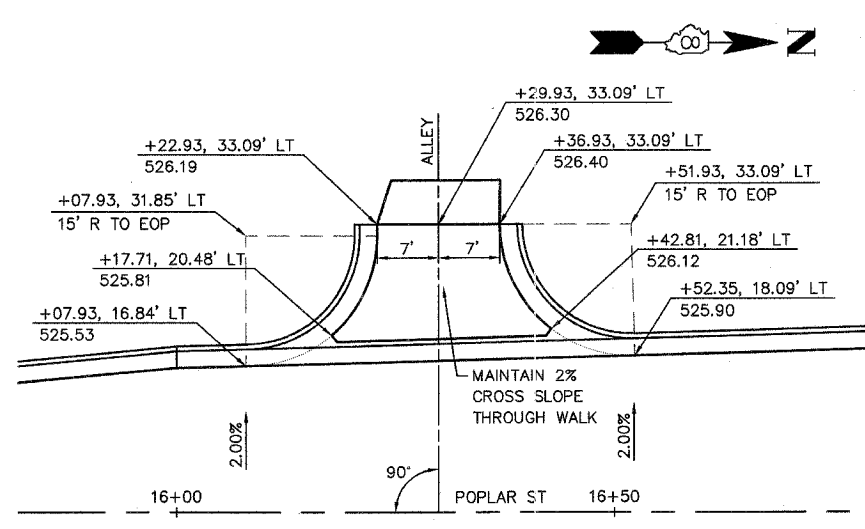
BROADWAY INTERSECTION WITH BERNE / LUZERNE STREET

NOT TO SCALE



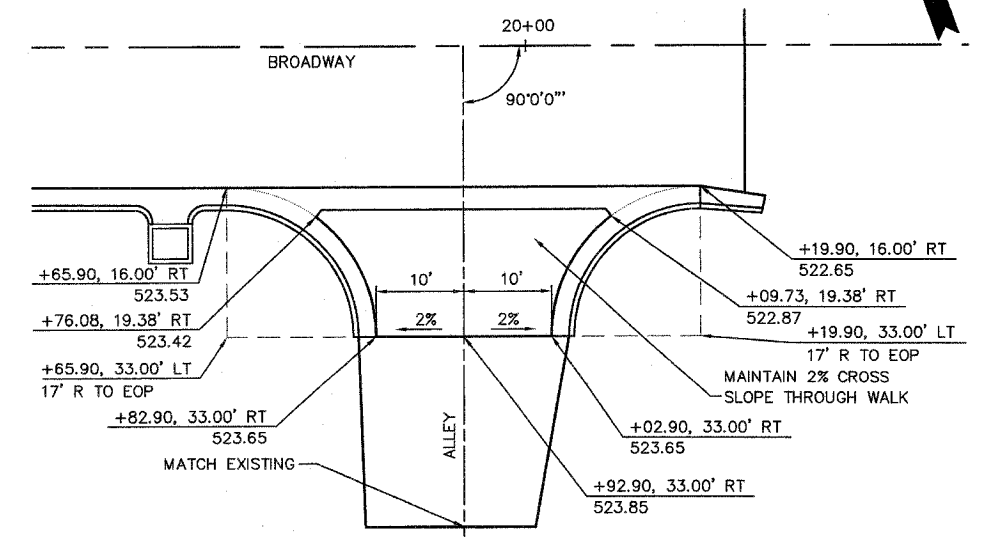
POPLAR STREET INTERSECTION WITH OIL AND CHIP ALLEY

NOT TO SCALE



POPLAR STREET INTERSECTION WITH OIL AND CHIP ALLEY

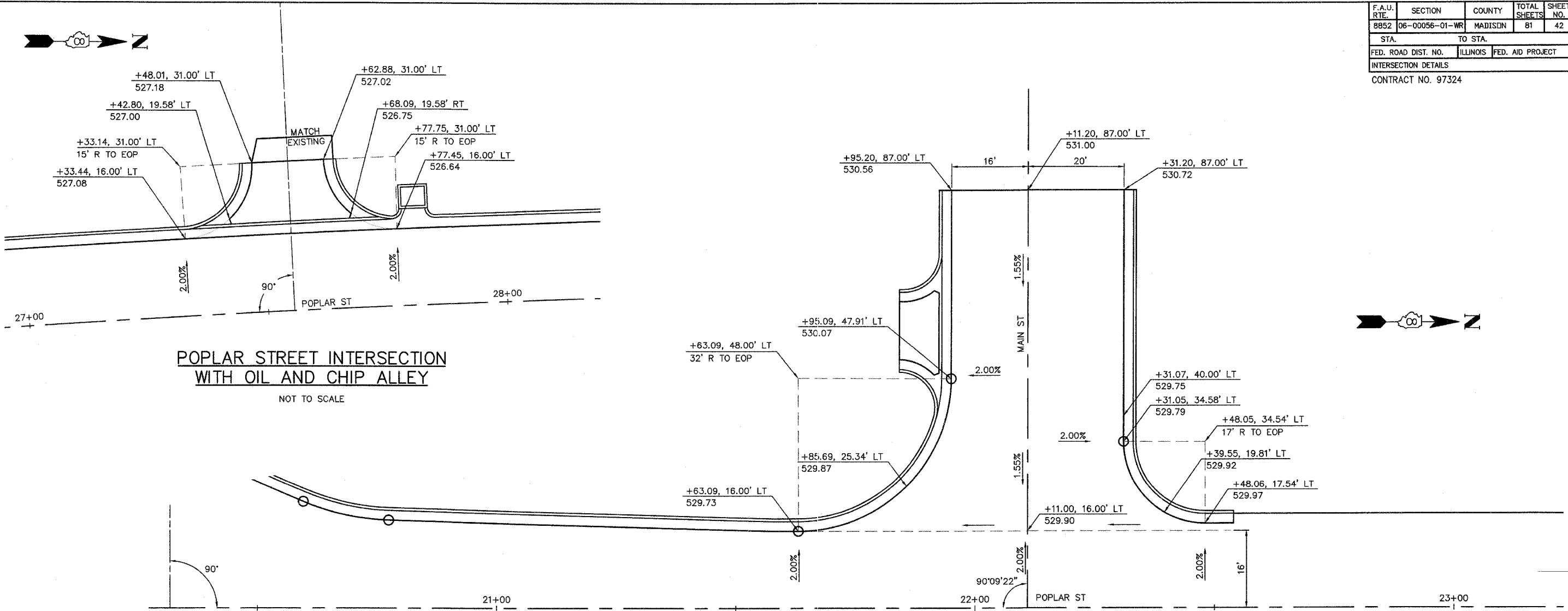
NOT TO SCALE



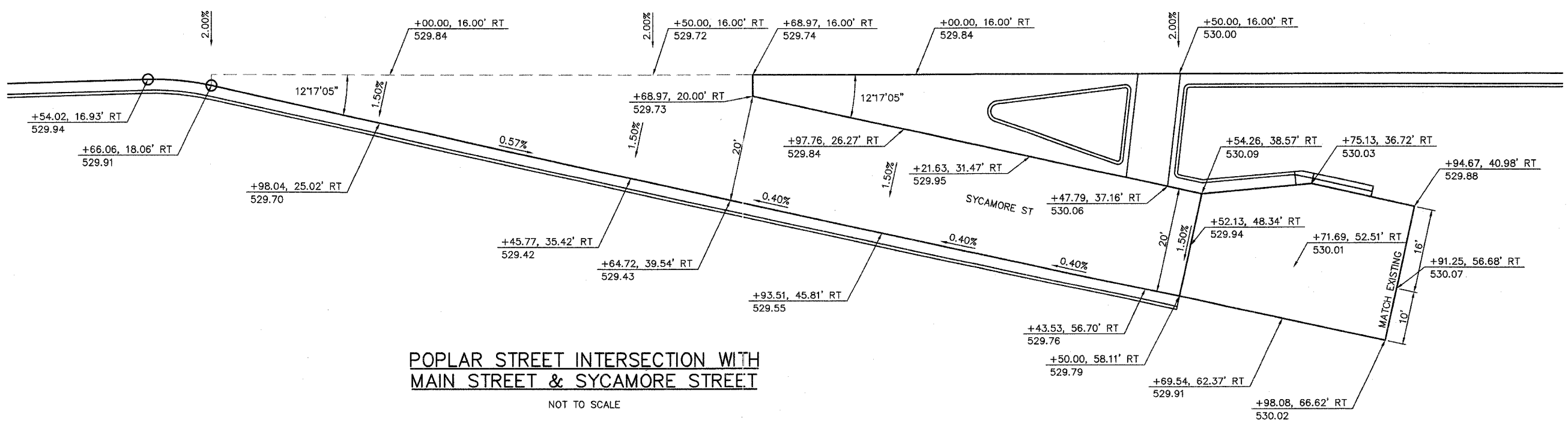
BROADWAY INTERSECTION WITH OIL AND CHIP ALLEY

NOT TO SCALE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	42
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
INTERSECTION DETAILS				
CONTRACT NO. 97324				

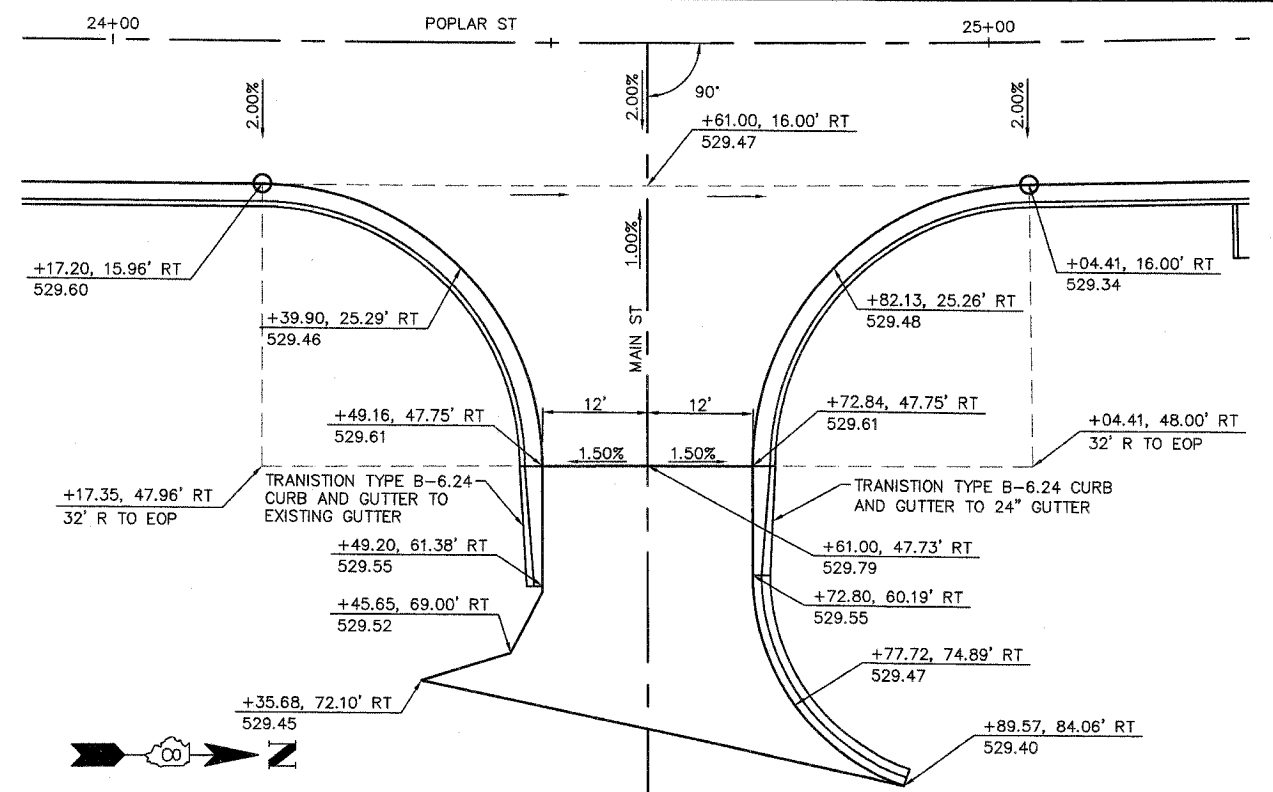


POPLAR STREET INTERSECTION WITH OIL AND CHIP ALLEY
NOT TO SCALE

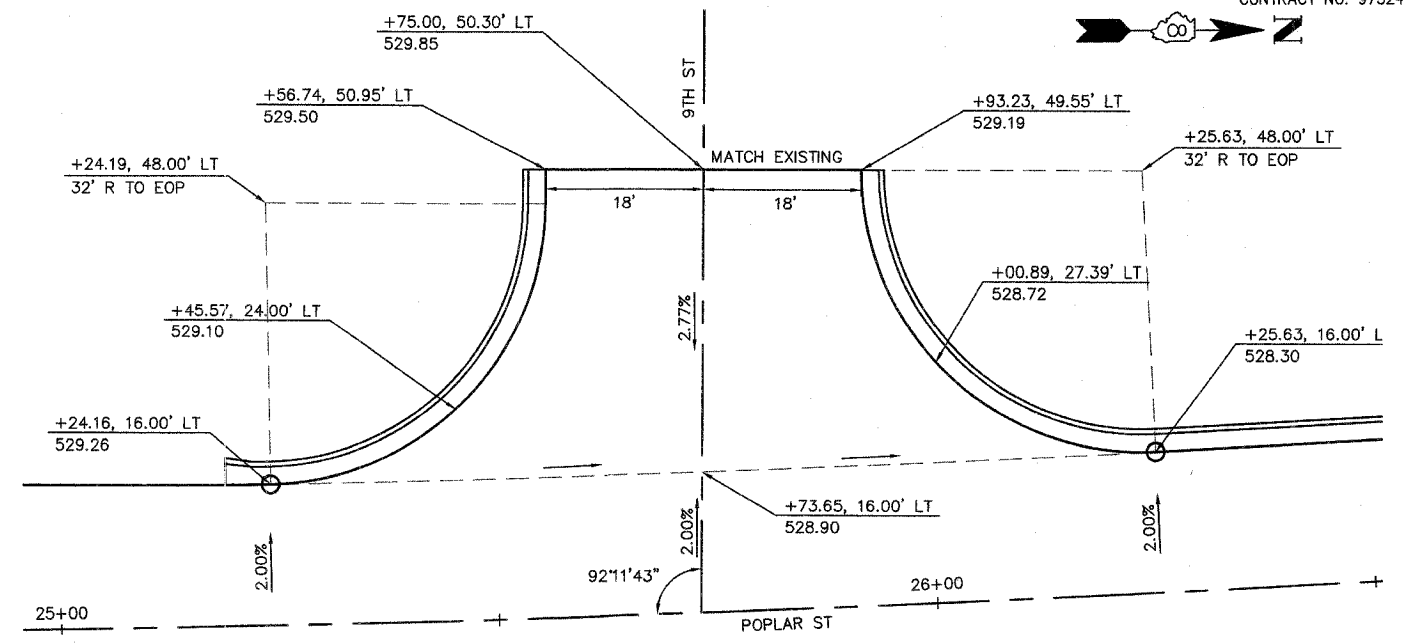


POPLAR STREET INTERSECTION WITH MAIN STREET & SYCAMORE STREET
NOT TO SCALE

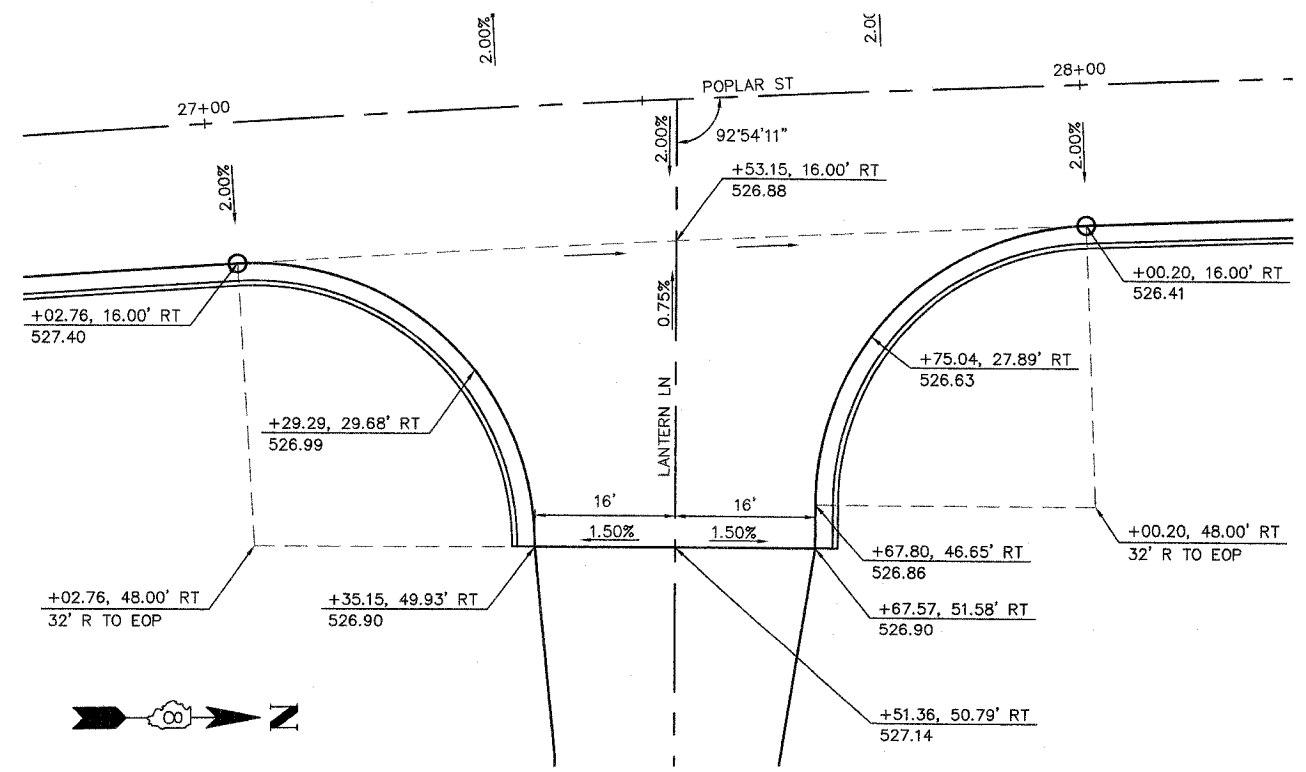
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	43
STA. TO STA.				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
INTERSECTION DETAILS				
CONTRACT NO. 97324				



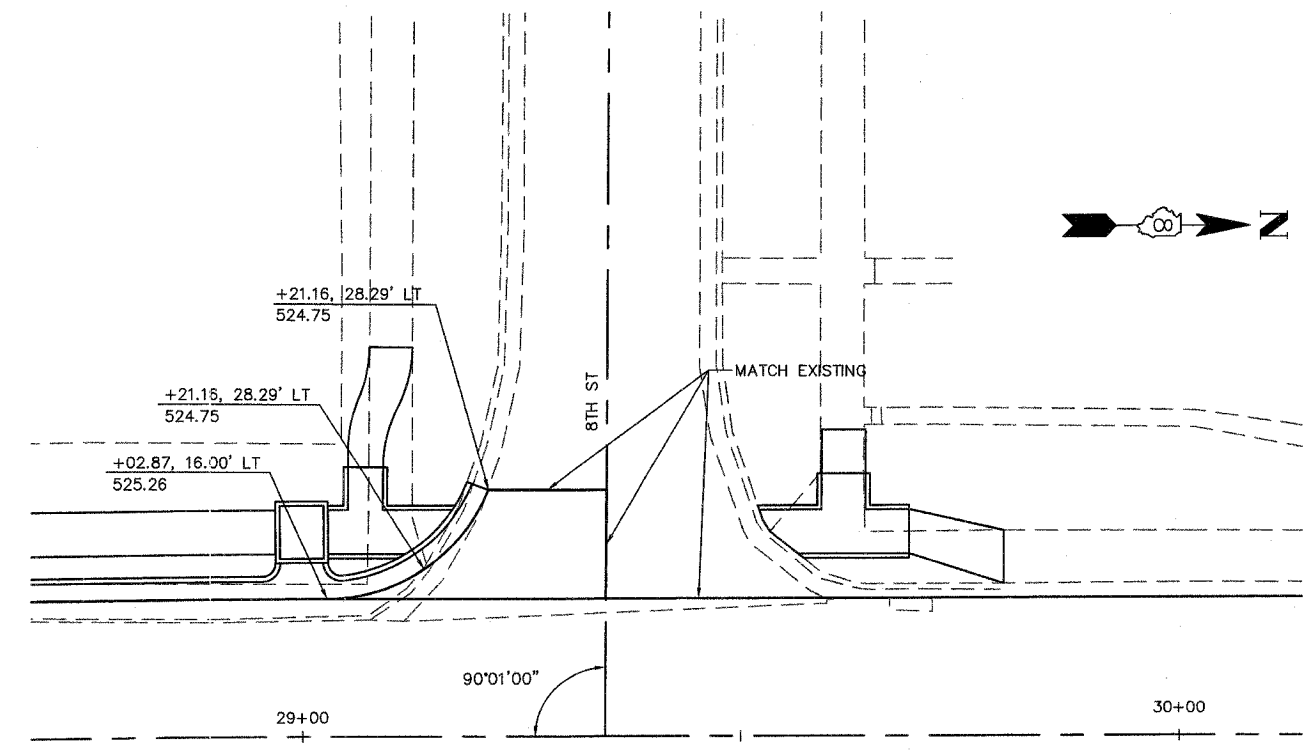
POPLAR STREET INTERSECTION WITH MAIN STREET
NOT TO SCALE



POPLAR STREET INTERSECTION WITH NINTH STREET
NOT TO SCALE



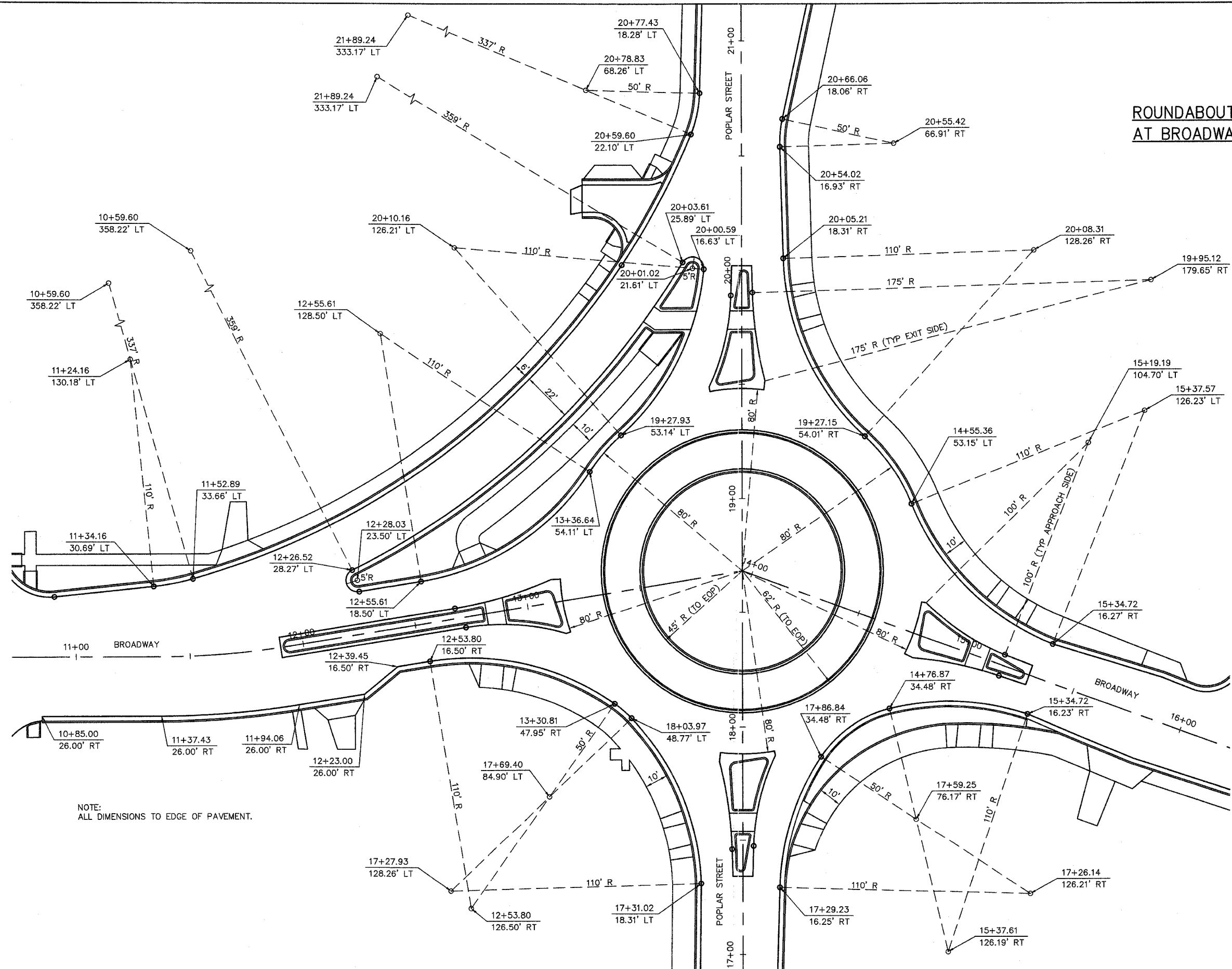
POPLAR STREET INTERSECTION WITH LANTERN LANE
NOT TO SCALE



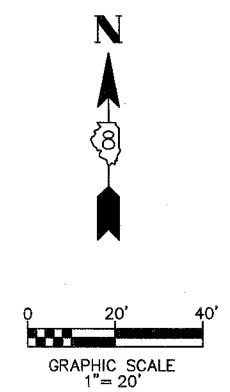
POPLAR STREET INTERSECTION WITH EIGHTH STREET
NOT TO SCALE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	44
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
INTERSECTION DETAILS				
CONTRACT NO. 97324				

ROUNDABOUT INTERSECTION AT BROADWAY AND POPLAR

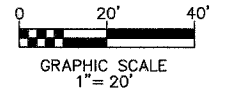
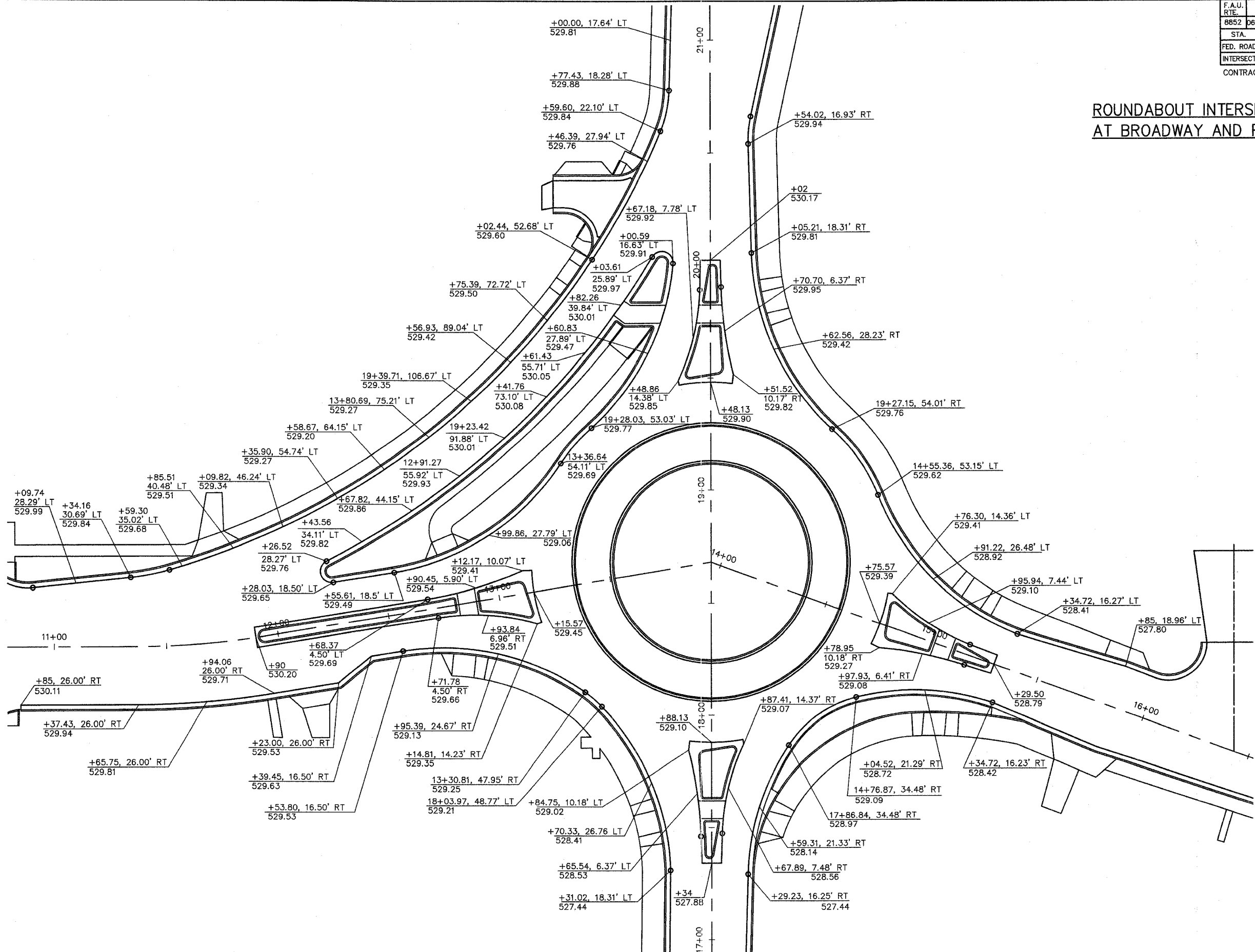


NOTE:
ALL DIMENSIONS TO EDGE OF PAVEMENT.

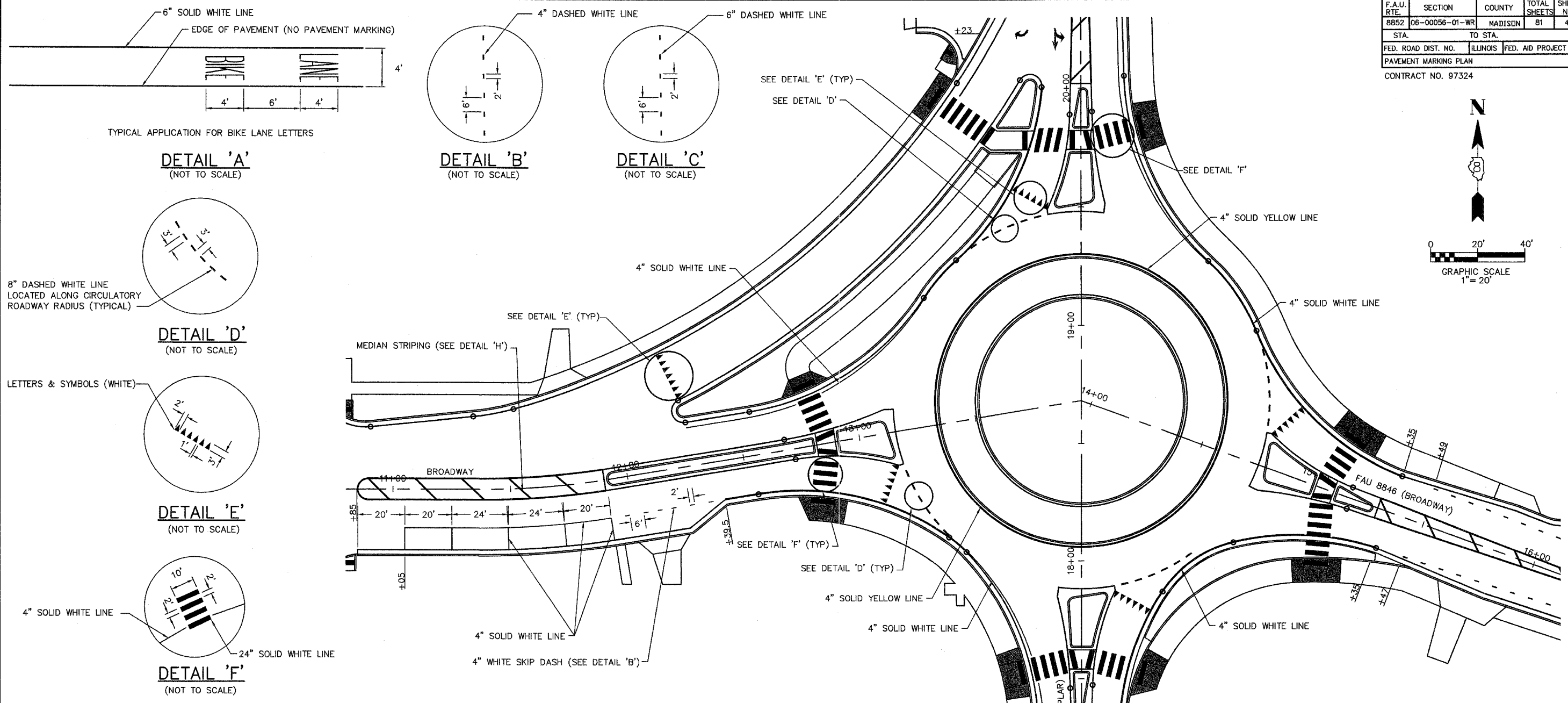
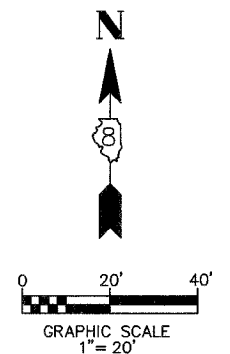


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	D6-00056-01-WR	MADISON	81	45
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
INTERSECTION DETAILS				
CONTRACT NO. 97324				

ROUNDAABOUT INTERSECTION AT BROADWAY AND POPLAR



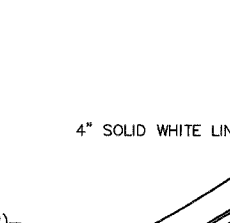
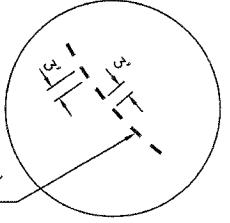
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	46
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
PAVEMENT MARKING PLAN				
CONTRACT NO. 97324				



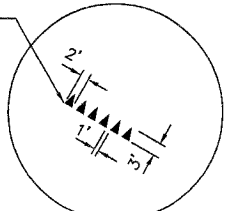
DETAIL 'A'
(NOT TO SCALE)

DETAIL 'B'
(NOT TO SCALE)

DETAIL 'C'
(NOT TO SCALE)



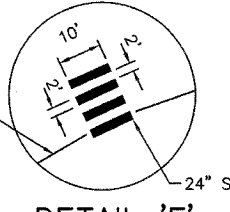
DETAIL 'D'
(NOT TO SCALE)



SEE DETAIL 'E' (TYP)

SEE DETAIL 'D' (TYP)

DETAIL 'E'
(NOT TO SCALE)



4" SOLID WHITE LINE

4" SOLID WHITE LINE

DETAIL 'F'
(NOT TO SCALE)

4" WHITE SKIP DASH (SEE DETAIL 'B')

PAVEMENT MARKING SCHEDULE

STATION	STATION	SHORT-TERM PAVT MKING	TEMP PVT MK LTR & SYM	TEMP PVT MK LINE 4	TEMP PVT MK LINE 8	WORK ZONE PAVT MK REM	THPL PVT MK LTR & SYM	THPL PVT MK LINE 4	THPL PVT MK LINE 6	THPL PVT MK LINE 8	THPL PVT MK LINE 12	THPL PVT MK LINE 24	PREF THPL PM LTR-SYM	PRISMATIC CURB REFL	PAINT PVT MARK CURB
		70300100 (FOOT)	70300210 (SQ FT)	70300220 (FOOT)	70300250 (FOOT)	70301000 (SQ FT)	78000100 (SQ FT)	78000200 (FOOT)	78000400 (FOOT)	78000500 (FOOT)	78000600 (FOOT)	78000650 (FOOT)	78006100 (SQ FT)	78200300 (EACH)	X7800200 (FOOT)
POPLAR STREET															
15+50	18+21	387	15		387	128	18	292		387		70		17	114
19+03	22+60	612	15		600	202	42	785	191	600	68	314	8	39	159
22+60	35+70	372				123		2448	2078			252	80		
IL 180 / BROADWAY															
10+85	13+60	298	36		298	98	39	469		298		70		35	260
14+32	19+70	419	15	570	387	138	18	841	694	387		90	15	17	113
TOTAL		2,088	81	570	1,672	689	117	4,835	2,963	1,672	68	796	83	108	646

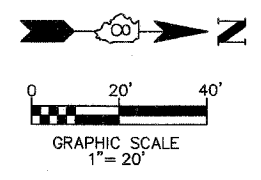
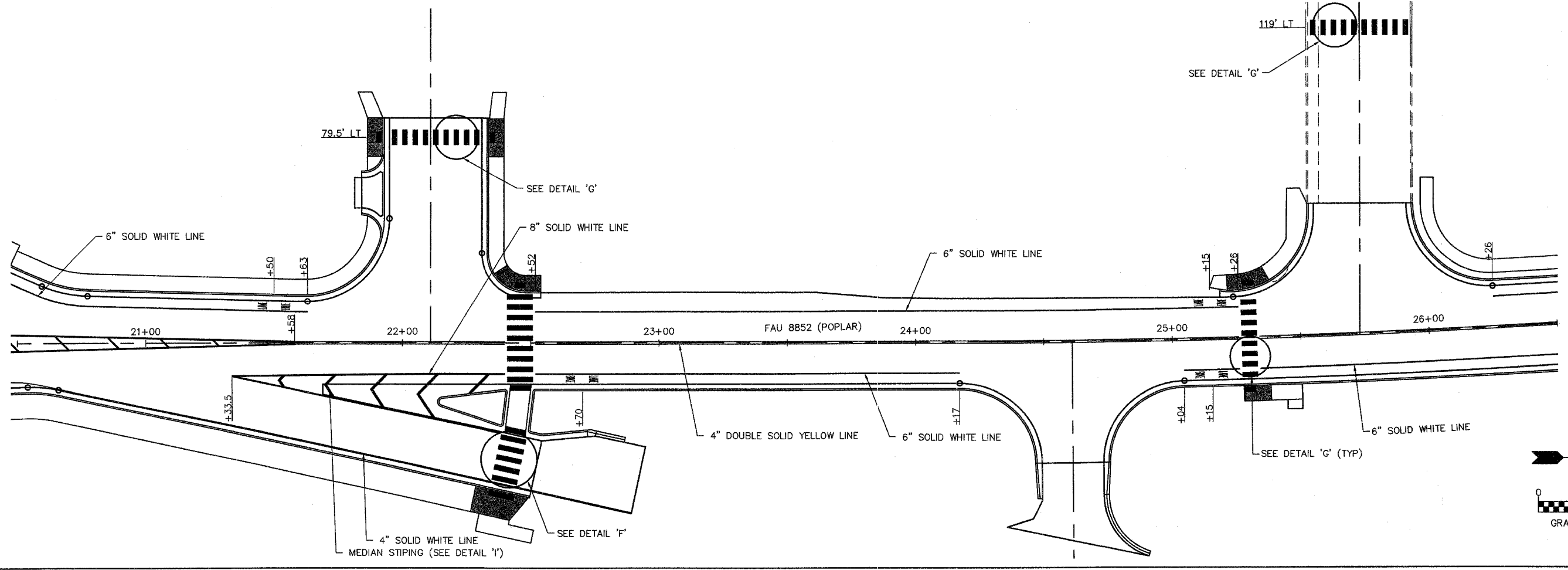
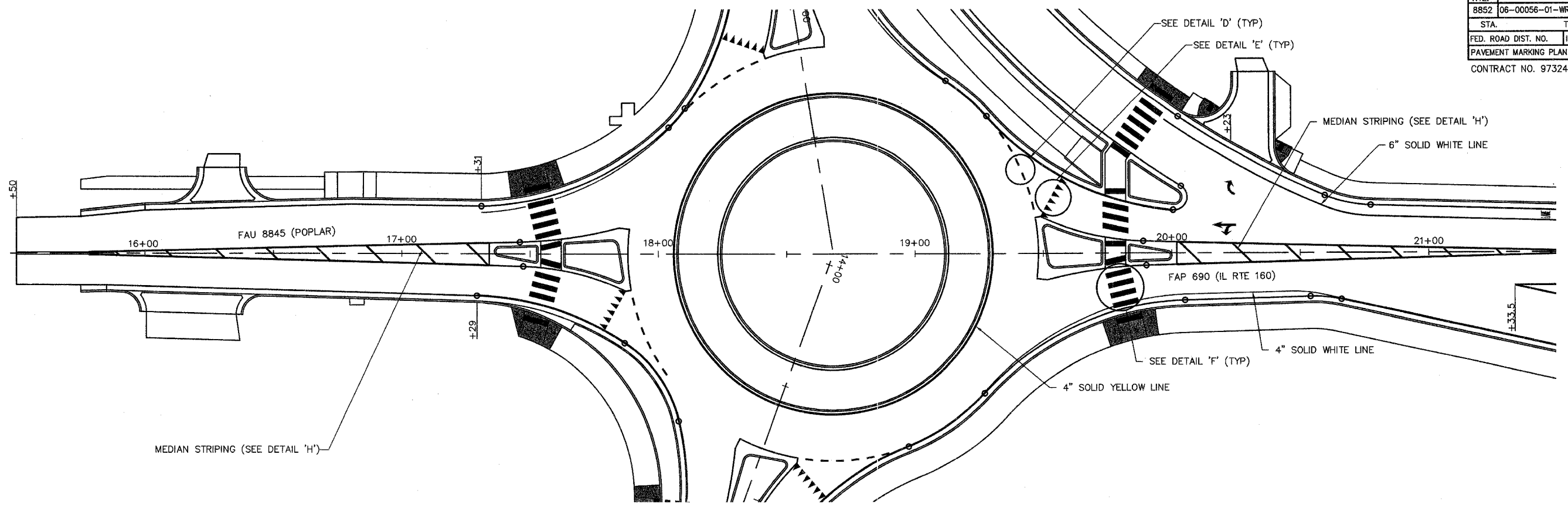
PAVEMENT MARKING NOTES:
1. SEE HIGHWAY STANDARD 780001 FOR PAVEMENT MARKING DETAILS.

DETAIL 'G'
(NOT TO SCALE)

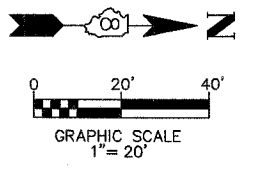
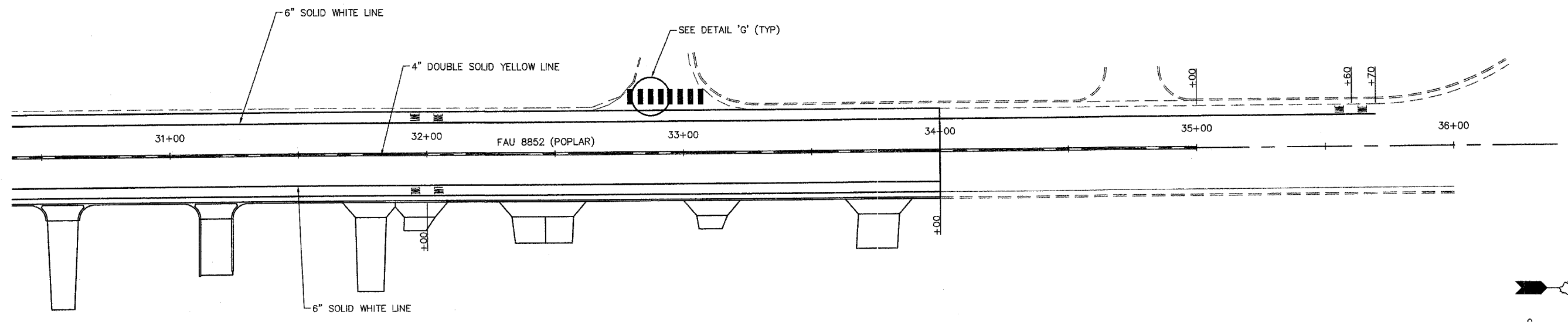
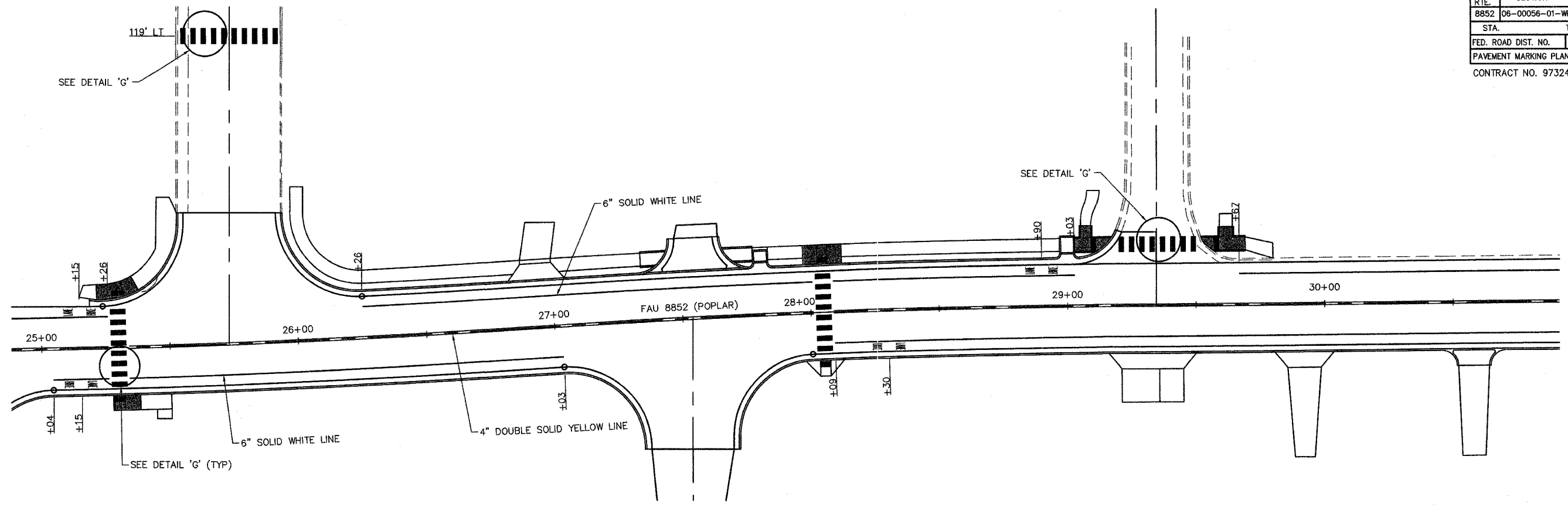
DETAIL 'H'
(NOT TO SCALE)

DETAIL 'I'
(NOT TO SCALE)

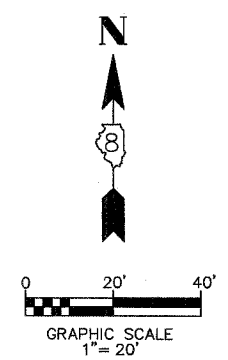
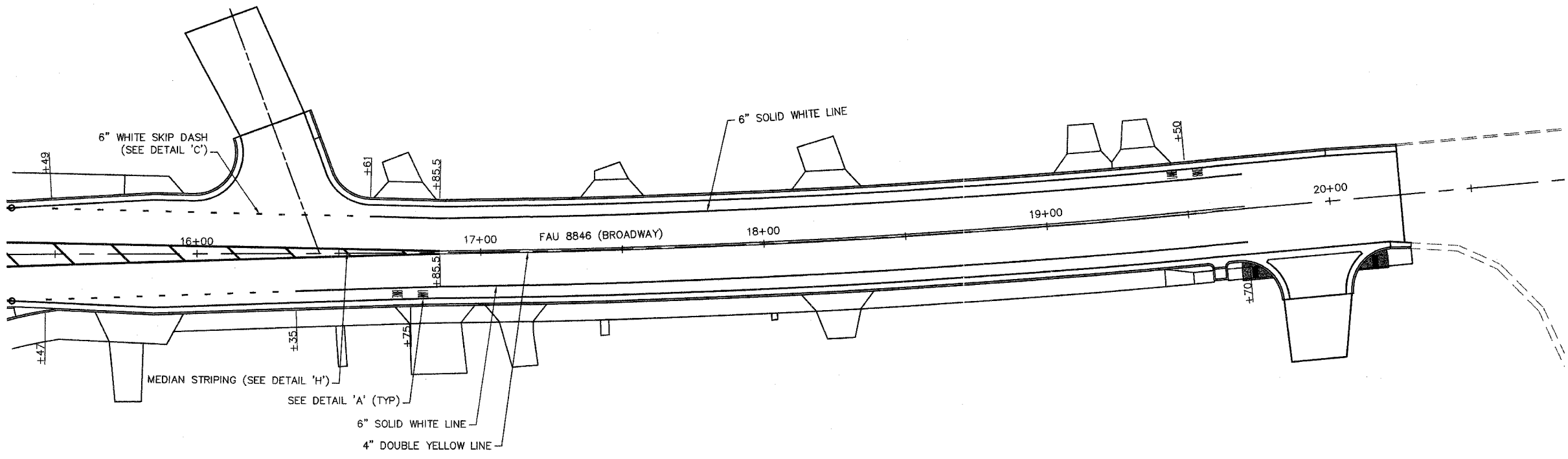
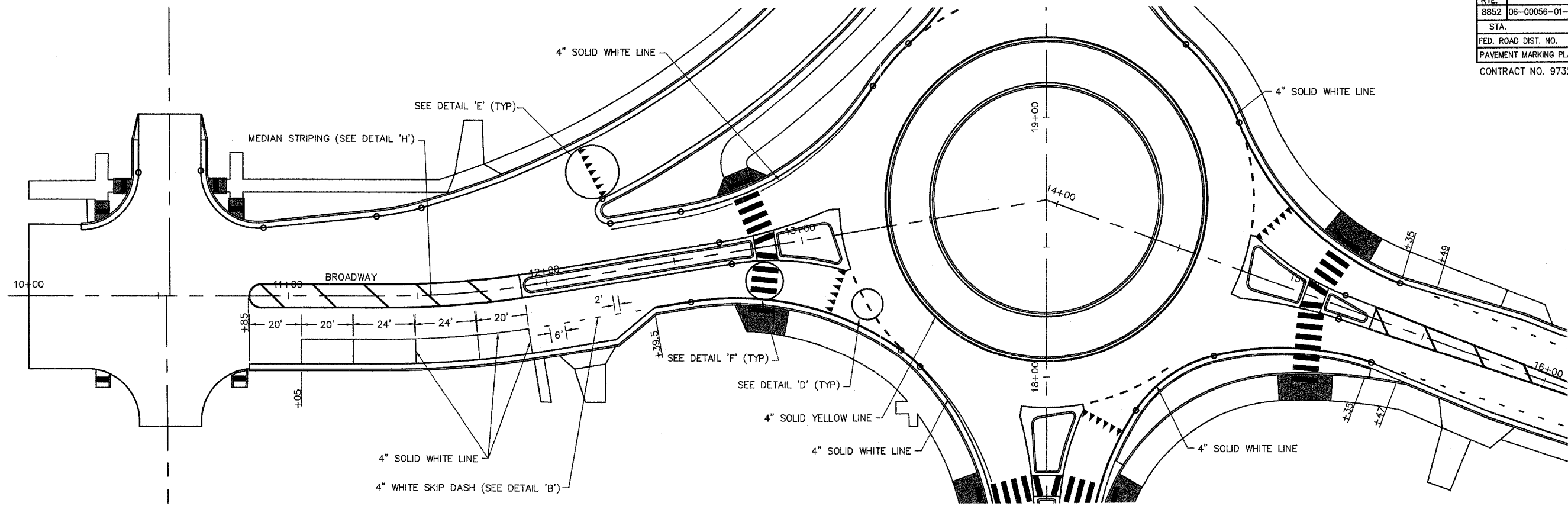
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	47
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
PAVEMENT MARKING PLAN				
CONTRACT NO. 97324				



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	48
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
PAVEMENT MARKING PLAN				
CONTRACT NO. 97324				



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	49
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
PAVEMENT MARKING PLAN				
CONTRACT NO. 97324				



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WF	MADISON	81	50
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
SIGNING PLAN, SCHEDULE & DETAILS				
CONTRACT NO. 97324				

SIGN AND POST SCHEDULE

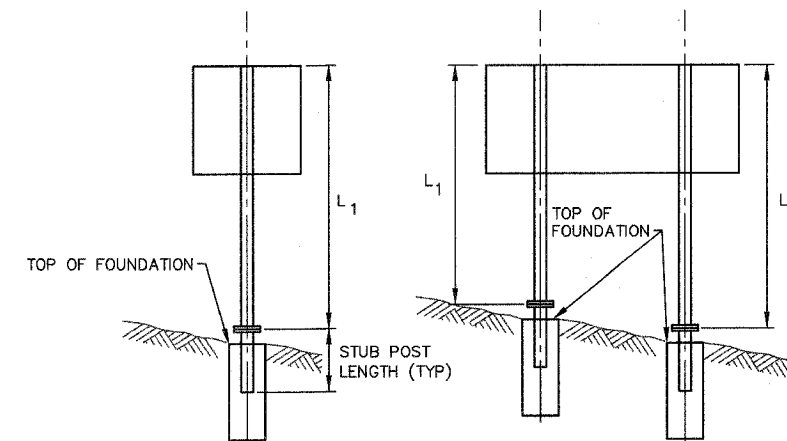
STATION	OFFSET	TYPE	DESCRIPTION	SIGN PANEL T1 72000100 (SQ FT)	SIGN PANEL T1 SPL 72000105 (SQ FT)	SIGN PANEL T2 SPL 72000205 (SQ FT)	SIGN PANEL T3 SPL 72000305 (SQ FT)	TUBULAR STEEL SIGN POST SUPPORT - BREAK AWAY					METAL AND WOOD POSTS			CONC FOUNDATION 73400100 (CU YD)		
								TUBULAR STEEL POST SIZE	STUB POST LENGTH (FOOT)	MAIN POST LENGTH		WEIGHT (POUND) PER FOOT	TUB STL SN SUPPORT BA 72700200 (POUND)	NO. OF POSTS	METAL POST TYPE A 72900100 (FOOT)		METAL POST TYPE B 72900200 (FOOT)	WOOD SIGN SUPPORT 73000100 (FOOT)
										L1 (FOOT)	L2 (FOOT)							
POPLAR STREET																		
15+50	18' RT	W2-6 30"	CIRCULAR INTERSECTION	6.3											17			
15+50	18' RT	W13-1 18"	ADVISORY SPEED (20 MPH)	2.3														
16+60	20' RT	W3-2-30	YIELD AHEAD	6.3														
17+38	1' LT	R4-7	KEEP RIGHT	5.0														
17+46	24.7' RT	W11A-2	PEDESTRIAN TRAFFIC	6.3														
17+58	28.5' LT	W11A-2	PEDESTRIAN TRAFFIC	6.3														
17+73	38.5' RT	R1-2 30"	YIELD	3.9														
17+73	38.5' RT	R5-1 30"	DO NOT ENTER	6.3														
17+81	2.4' LT	DGS-1	DESTINATION GUIDE		6.0													
18+04	56' LT	R2-1	SPEED LIMIT (20 MPH)	5.0														
18+34	19' RT	R6-1R	ONE WAY	3.0														
19+02	19.3' LT	R6-1R	ONE WAY	3.0														
19+16	70' RT	R2-1	SPEED LIMIT (20 MPH)	5.0														
19+24	64' LT	R2-1	SPEED LIMIT (20 MPH)	5.0														
19+55	2.4' RT	DGS-2	DESTINATION GUIDE			14.0		TS3 x 2 x 1/4	2.25	12	7.11	101			0.7			
19+55	2.4' RT	D9-2	HOSPITAL	4.0														
19+60	34.5' LT	R1-2 30"	YIELD	3.9														
19+60	34.5' LT	R5-1 30"	DO NOT ENTER	6.3														
19+78	28.5' RT	W11A-2	PEDESTRIAN TRAFFIC	6.3														
19+85	25' LT	W11A-2	PEDESTRIAN TRAFFIC	6.3														
19+96	25' LT	W12-1-30	DOUBLE ARROW	6.3														
19+98	1' RT	R4-7	KEEP RIGHT	5.0														
20+02	59.8' LT	W11A-2	PEDESTRIAN TRAFFIC	6.3														
20+50	22' RT	IDOT 12045	STATE ROUTE (IL 180)	5.0											17			
20+50	22' RT	M3-1	CARDINAL DIRECTION AUXILIARY (NORTH)	2.0														
20+50	22' RT	M6-2	DIRECTIONAL ARROW AUXILIARY (RIGHT)	2.2														
20+55	35' LT	IDOT 12045	STATE ROUTE (IL 180)	5.0											17			
20+55	35' LT	M3-3	CARDINAL DIRECTION AUXILIARY (SOUTH)	2.0														
20+55	35' LT	M6-2	DIRECTIONAL ARROW AUXILIARY (RIGHT)	2.2														
20+78	28' LT	W3-2-30	YIELD AHEAD	6.3														
21+78	34.5' LT	ADGS-1	ADVANCED DEST. GUIDE			42.5		TS4 x 2 x 1/4	2.25	11.5	11.5	8.81	242		1.4			
21+84	38' LT	R1-1 30"	STOP	6.3											15			
21+84	38' LT	R9-3b (L)	USE CROSSWALK	1.5														
21+87	83' LT	W11A-2	PEDESTRIAN TRAFFIC	6.3														
22+33	60.9' RT	S2-1	SCHOOL CROSSING	9.0											15			
22+39	22.5' RT	S2-1	SCHOOL CROSSING	9.0											15			
22+40	76' LT	W11A-2	PEDESTRIAN TRAFFIC	6.3														
22+42	29.5' LT	R9-3b (R)	USE CROSSWALK	1.5									12					
22+51	22.3' LT	S2-1	SCHOOL CROSSING	9.0											15			
22+80	23.8' LT	W2-6 30"	CIRCULAR INTERSECTION	6.3											17			
22+80	23.8' LT	W13-1 18"	ADVISORY SPEED (20 MPH)	2.3														
22+85	79' RT	IDOT 12045	STATE ROUTE (IL 180)	5.0											14			
22+85	79' RT	M3-1	CARDINAL DIRECTION AUXILIARY (NORTH)	2.0														
24+38	31' RT	R5-1 30"	DO NOT ENTER	6.3											15			
24+38	31' RT	R1-1 30"	STOP	6.3														
24+38	31' RT	R1-H00	CROSS TRAFFIC DOES NOT STOP	3.8														
24+84	31' RT	R1-1 30"	STOP	6.3											15			
24+84	31' RT	R1-H00	CROSS TRAFFIC DOES NOT STOP	3.8														
24+84	31' RT	R5-1 30"	DO NOT ENTER	6.3														
25+43	38' LT	R1-1 30"	STOP	6.3											15			
25+43	38' LT	R9-3b (L)	USE CROSSWALK	1.5														
26+18	27' LT	R9-3b (R)	USE CROSSWALK	1.5									12					
27+80	30.5' RT	R1-1 30"	STOP	6.3											15			
27+80	30.5' RT	R1-H00	CROSS TRAFFIC DOES NOT STOP	3.8														
28+50	25' LT	R2-1	SPEED LIMIT (30 MPH)	5.0											14			
28+50	21' RT	R2-1	SPEED LIMIT (30 MPH)	5.0											14			
29+16	30' LT	R1-1 30"	STOP	6.3											14			
29+50	20' RT	R8-3 24"x30"	NO PARKING	5.0									13					
31+50	20' RT	R8-3 24"x30"	NO PARKING	5.0									13					
33+55	20' RT	R8-3 24"x30"	NO PARKING	5.0									13					

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WF	MADISON	81	51
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
SIGNING PLAN, SCHEDULE & DETAILS				
CONTRACT NO. 97324				

SIGN AND POST SCHEDULE

STATION	OFFSET	TYPE	DESCRIPTION	SIGN PANEL T1 72000100 (SQ FT)	SIGN PANEL T1 SPL 72000105 (SQ FT)	SIGN PANEL T2 SPL 72000205 (SQ FT)	SIGN PANEL T3 SPL 72000305 (SQ FT)	TUBULAR STEEL SIGN POST SUPPORT - BREAK AWAY				METAL AND WOOD POSTS			CONC FOUNDATION 73400100 (CU YD)			
								TUBULAR STEEL POST SIZE	STUB POST LENGTH (FOOT)	MAIN POST LENGTH		WEIGHT (POUND) PER FOOT	TUB STL SN SUPPORT BA 72700200 (POUND)	NO. OF POSTS		METAL POST TYPE A 72900100 (FOOT)	METAL POST TYPE B 72900200 (FOOT)	WOOD SIGN SUPPORT 73000100 (FOOT)
										L1 (FOOT)	L2 (FOOT)							
IL ROUTE 160 / BROADWAY																		
10+00	31' RT	W2-6	CIRCULAR INTERSECTION	6.3										1			17	
10+00	31' RT	W13-1 18"	ADVISORY SPEED (20 MPH)	2.3														
10+00	31' LT	DOT 12045	STATE ROUTE (IL 160)	5.0										1		14		
10+00	31' LT	M3-3	CARDINAL DIRECTION AUXILIARY (SOUTH)	2.0														
11+00	34.25' RT	ADGS-2	ADVANCED DEST. GUIDE				46.8	TS4 x 3 x 1/4	2.5	12	12	10.51	305				1.4	
11+94	CL	R4-7	KEEP RIGHT	5.0										1		14		
12+18	54.5' LT	R1-2 30"	YIELD	3.9										1		14		
12+18	54.5' LT	R5-1 30"	DO NOT ENTER	6.3														
12+30	29' RT	W3-2-30	YIELD AHEAD	6.3										1		15		
12+30	24' LT	R5-1 30"	DO NOT ENTER	6.3										1		14		
12+74	24' RT	W11A-2	PEDESTRIAN TRAFFIC	6.3										1		15		
12+85	28' LT	W11A-2	PEDESTRIAN TRAFFIC	6.3										1		15		
13+04	35' RT	R1-2 30"	YIELD	3.9										1		14		
13+04	35' RT	R5-1 30"	DO NOT ENTER	6.3										1		14		
13+08	2.3' LT	DGS-3	DESTINATION GUIDE			14.0		TS3 x 2 x 1/4	2.25	10		7.11	103				0.7	
13+40	122' LT	R2-1	SPEED LIMIT (30 MPH)	5.0										1		14		
13+65	24' RT	R6-1R	ONE WAY	3.0										1		12		
14+28	21' LT	R6-1R	ONE WAY	3.0										1		12		
14+83	2.5' RT	DGS-4	DESTINATION GUIDE		6.0									1		13		
14+87	34.5' LT	R1-2 30"	YIELD	3.9										1		14		
14+87	34.5' LT	R5-1 30"	DO NOT ENTER	6.3										1		14		
15+07	35' RT	W11A-2	PEDESTRIAN TRAFFIC	6.3										1		15		
15+17	24' LT	W11A-2	PEDESTRIAN TRAFFIC	6.3										1		15		
15+25	1' RT	R4-7	KEEP RIGHT	5.0										1		15		
15+96	24' LT	W3-2-30	YIELD AHEAD	6.3										1		15		
17+30	22' LT	W2-6	CIRCULAR INTERSECTION	6.3										1		17		
17+30	22' LT	W13-1	ADVISORY SPEED (20 MPH)	2.3														
TOTALS (POPLAR AND BROADWAY)				401	12	28	89						751	60	63	626	177	4.2



















- NOTES:
1. UNLESS OTHERWISE NOTED, ALL SIGNS SHALL BE CONVENTIONAL SIGNS AS SPECIFIED IN THE LATEST ADDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
 2. ALL SIGNS SHALL BE INSTALLED PER IDOT STANDARD 720006. STATIONS AND OFFSETS STATED HERE ARE APPROXIMATE. THE ENGINEER SHALL ADJUST THE SIGNS TO COMPLY WITH THE STANDARD AND TO MATCH FIELD CONDITIONS.
 3. ALL PEDESTRIAN TRAFFIC SIGNS SHALL BE FLORESCENT YELLOW-GREEN AND CONTAIN CROSS WALK LINES.
 4. SIGN AREAS CALCULATED ACCORDING TO ARTICLE 720.03 OF THE STANDARDS SPECIFICATION.

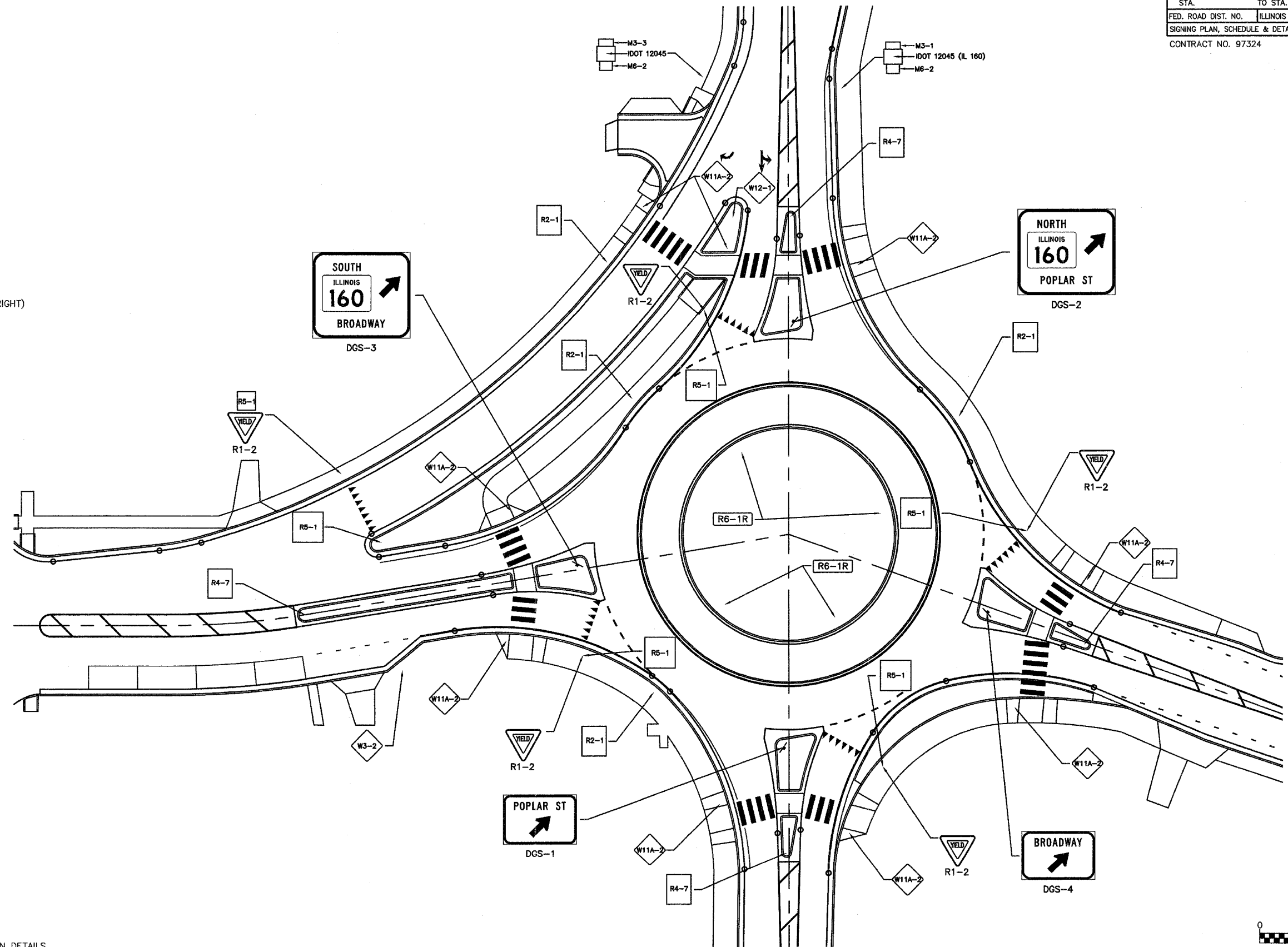


**PROPOSED TUBULAR
STEEL SIGN SUPPORT DETAIL**
NOT TO SCALE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	52
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
SIGNING PLAN, SCHEDULE & DETAILS				
CONTRACT NO. 97324				

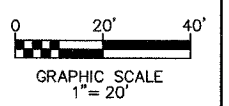
SIGN LEGEND

-  YIELD
 -  R1-2
 -  W2-6
 -  W13-1
 -  W3-2
 -  W11A-2
 -  R4-7
 -  R6-1R
 -  R5-1
 -  R2-1
 -  D8-2
 -  M1-5
 -  M3-1
 -  M3-2
 -  M3-3
 -  M3-4
 -  M6-2
 -  S2-1
- ROUNDABOUT INTERSECTION SIGN WITH ADVISORY SPEED SIGN (20 M.P.H.)
 - YIELD AHEAD
 - PEDESTRIAN CROSSING
 - KEEP RIGHT
 - ONE WAY (ARROW POINTING TO RIGHT)
 - DO NOT ENTER
 - SPEED LIMIT (20 M.P.H.)
 - HOSPITAL
 - STATE ROUTE MARKER (IL ROUTE 160)
 - NORTH
 - EAST
 - SOUTH
 - WEST
 - ARROW
 - SCHOOL CROSSING





















NOTES

1. SEE STANDARD 720006 FOR SIGN ERECTION DETAILS.
2. SIGN LOCATIONS MAY BE ADJUSTED BY THE ENGINEER TO MEET FIELD CONDITIONS.



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	53
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
SIGNING PLAN, SCHEDULE & DETAILS				
CONTRACT NO. 97324				

SIGN LEGEND

-  YIELD
-  R1-2
-  W2-6
-  W13-1
-  W3-2
-  W11A-2
-  R4-7
-  R6-1R
-  R5-1
-  R2-1
-  D9-2
-  M1-5
-  M3-1
-  M3-2
-  M3-3
-  M3-4
-  M6-2
-  S2-1

YIELD

ROUNDAABOUT INTERSECTION SIGN WITH ADVISORY SPEED SIGN (20 M.P.H.)

YIELD AHEAD

PEDESTRIAN CROSSING

KEEP RIGHT

ONE WAY (ARROW POINTING TO RIGHT)

DO NOT ENTER

SPEED LIMIT (20 M.P.H.)

HOSPITAL

STATE ROUTE MARKER (IL ROUTE 160)

NORTH

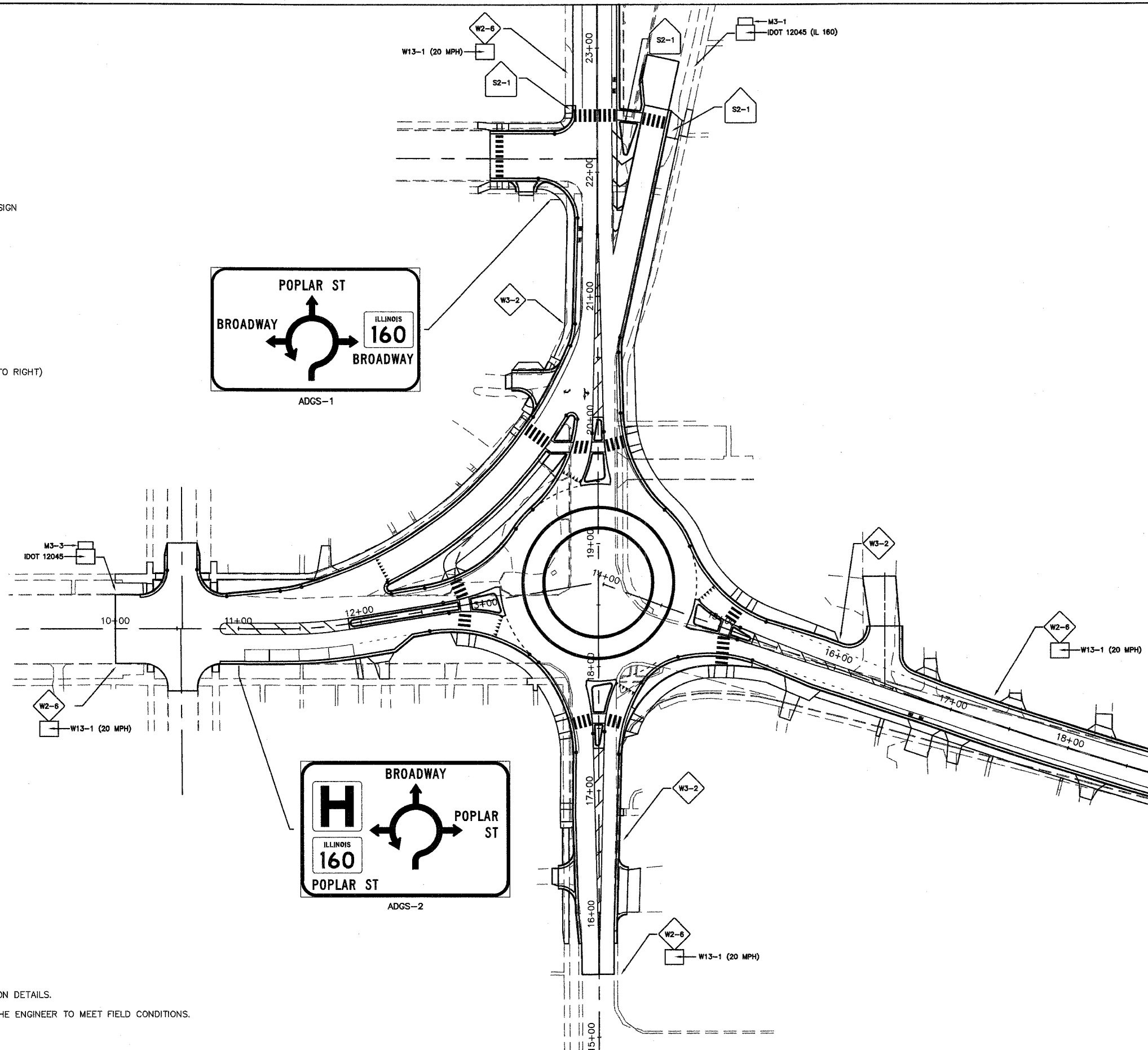
EAST

SOUTH

WEST

ARROW

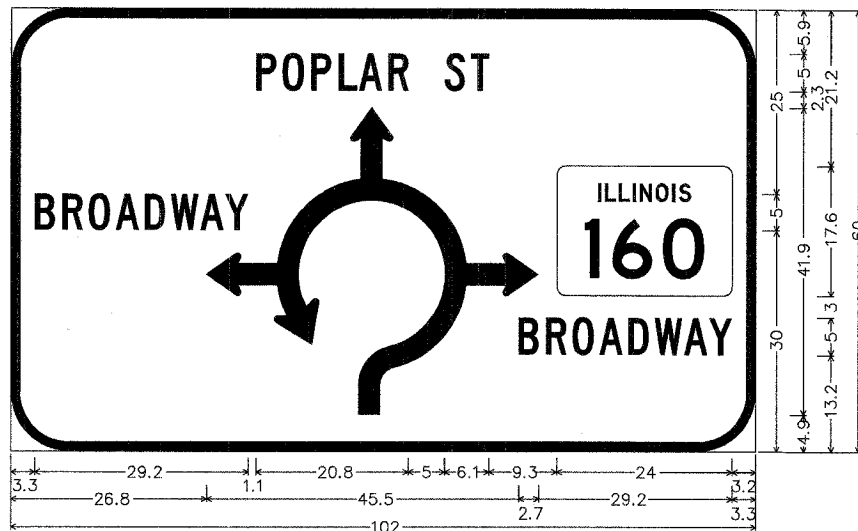
SCHOOL CROSSING



NOTES

1. SEE STANDARD 720006 FOR SIGN ERECTION DETAILS.
2. SIGN LOCATIONS MAY BE ADJUSTED BY THE ENGINEER TO MEET FIELD CONDITIONS.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00058-01-WR	MADISON	81	54
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
SIGNING PLAN, SCHEDULE & DETAILS				
CONTRACT NO. 97324				

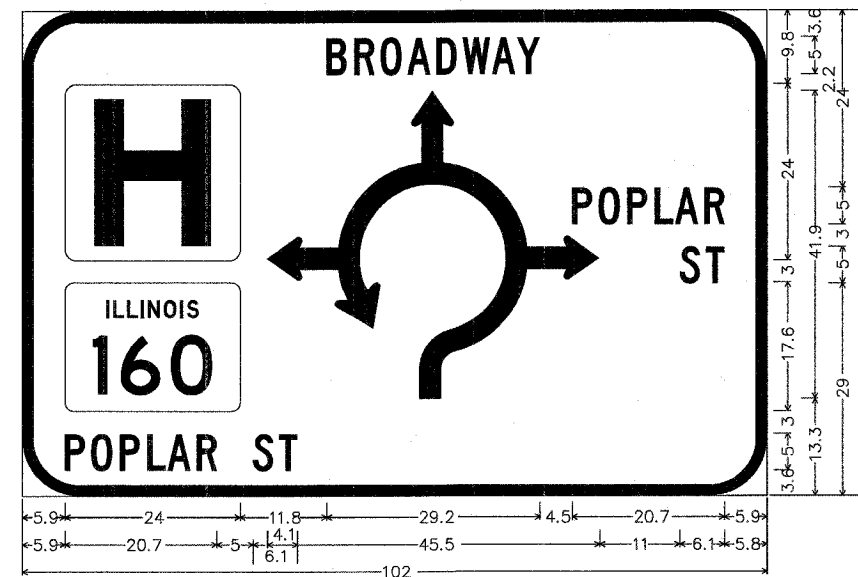


8.0" Radius, 1.3" Border, White on Green;
 [BROADWAY] C; [] C; [POPLAR ST] C; roundabout w/ arrow;
 [] C; [BROADWAY] C;
 Table of letter and object lefts.

B	R	O	A	D	W	A	Y	P	O	P	L	A	R	S	T
3.3	7.1	10.6	14.4	18.3	21.9	26.0	29.4	33.6	37.2	41.1	44.9	47.7	51.6	59.4	63.0
↖	↗														
26.8	74.8														
B	R	O	A	D	W	A	Y								
69.5	73.3	76.9	80.6	84.6	88.2	92.2	95.8								

ADVANCED DESTINATION GUIDE SIGN 1 (ADGS-1)

NOT TO SCALE

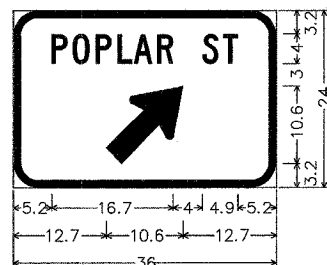


8.0" Radius, 1.5" Border, White on Green;
 [] C; hospital; [POPLAR ST] C; [BROADWAY] C; roundabout w/ arrow;
 [] C; [] C; [POPLAR ST] C; [ST] C; [] C;
 Table of letter and object lefts.

B	R	O	A	D	W	A	Y								
41.7	45.5	49.1	52.8	56.8	60.4	64.4	67.8								
H	↖	P	O	P	L	A	R								
5.9	33.6	75.4	78.9	82.9	86.7	89.4	93.4								
Ⓜ	S	T													
5.9	90.1	93.6													
P	O	P	L	A	R	S	T								
5.9	9.4	13.4	17.2	19.9	23.9	31.6	35.2								

ADVANCED DESTINATION GUIDE SIGN 2 (ADGS-2)

NOT TO SCALE

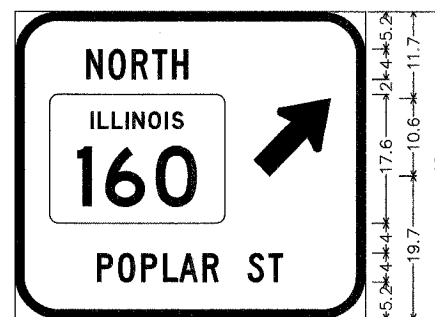


3.5" Radius, 1.0" Border, White on Green;
 [POPLAR ST] C;
 Standard Arrow Custom 13.4" X 8.1" 45°;
 Table of widths and spaces.

P	O	P	L	A	R									
5.2	2.2	0.7	2.3	0.9	2.2	0.8	2.0	0.2	2.5	0.7	2.2			
		S	T											
		4.0	2.2	0.7	2.0	5.2								
↖	↗													
12.7	10.6	12.7												

DESTINATION GUIDE SIGN 1 (DGS-1)

NOT TO SCALE



6.0" Radius, 1.3" Border, White on Green;
 [NORTH] C;
 Standard Arrow Custom 13.4" X 8.1" 45°;
 [POPLAR ST] C;
 Table of widths and spaces.

N	O	R	T	H										
9.8	2.2	0.8	2.3	0.9	2.2	0.6	2.0	0.7	2.2					
		↖	↗											
		9.0	10.6	4.7										
Ⓜ														
4.7	24.0	19.3												
P	O	P	L	A	R									
11.2	2.2	0.7	2.3	0.9	2.2	0.8	2.0	0.2	2.5	0.7	2.2			
		S	T											
		4.0	2.2	0.7	2.0	11.2								

DESTINATION GUIDE SIGN 2 (DGS-2)

NOT TO SCALE

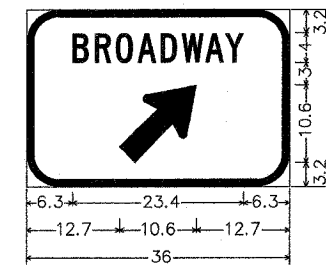


6.0" Radius, 1.3" Border, White on Green;
 [SOUTH] C;
 Standard Arrow Custom 13.4" X 8.1" 45°;
 [BROADWAY] C;
 Table of widths and spaces.

S	O	U	T	H												
9.9	2.2	0.6	2.3	0.9	2.2	0.6	2.0	0.7	2.2							
		↖	↗													
		9.1	10.6	4.7												
Ⓜ																
4.7	24.0	19.3														
B	R	O	A	D	W	A	Y									
12.3	2.2	0.8	2.2	0.7	2.3	0.7	2.5	0.7	2.2	0.6	3.0	0.3	2.5	0.2	2.5	12.3

DESTINATION GUIDE SIGN 3 (DGS-3)

NOT TO SCALE



4.5" Radius, 1.0" Border, White on Green;
 [BROADWAY] C;
 Standard Arrow Custom 13.4" X 8.1" 45°;
 Table of widths and spaces.

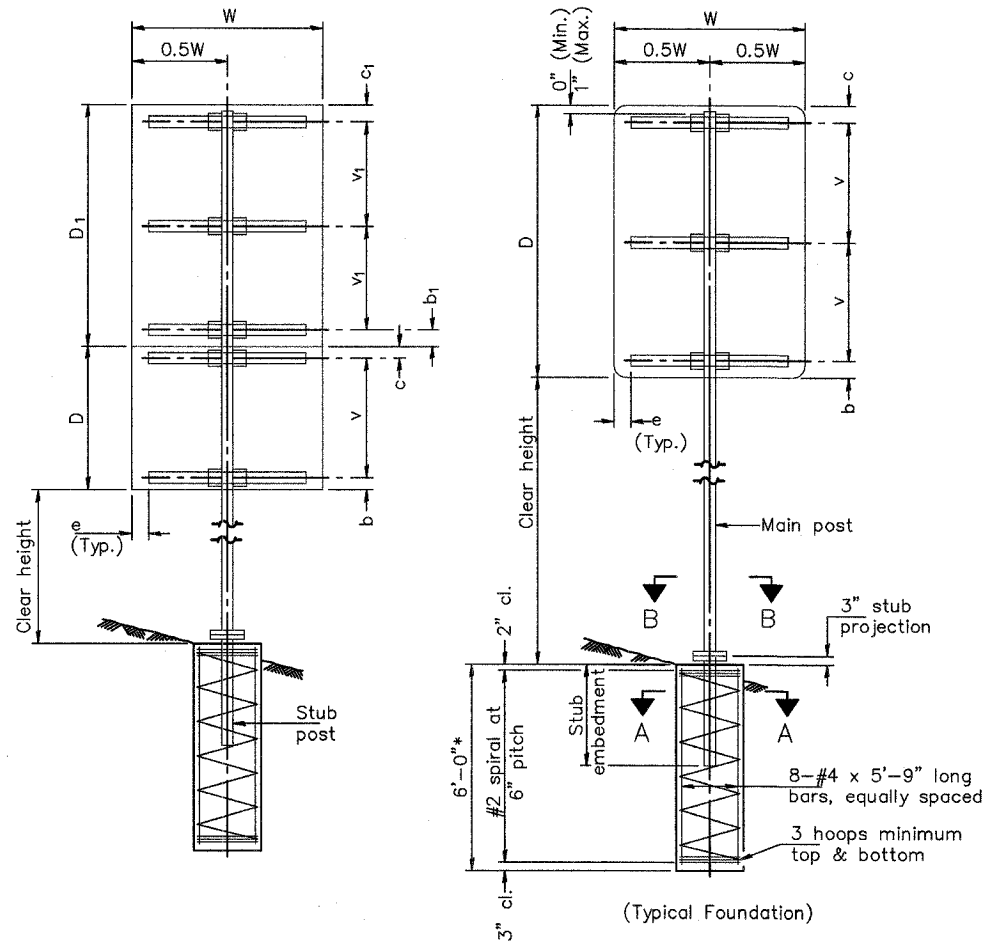
B	R	O	A	D	W	A	Y									
6.3	2.2	0.8	2.2	0.7	2.3	0.7	2.5	0.7	2.2	0.6	3.0	0.3	2.5	0.2	2.5	6.3
		↖	↗													
		12.7	10.6	12.7												

DESTINATION GUIDE SIGN 4 (DGS-4)

NOT TO SCALE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

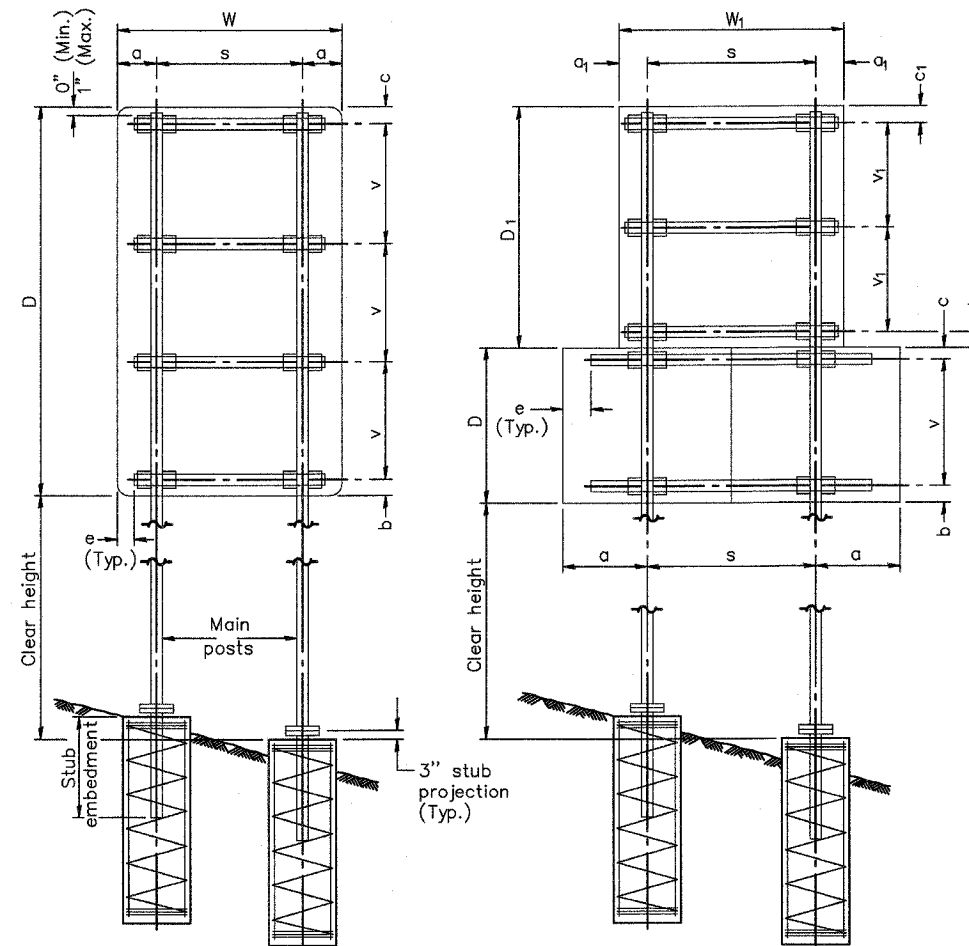
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	55
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
SIGNING PLAN, SCHEDULE & DETAILS				
CONTRACT NO. 97324				



SINGLE POST ASSEMBLY EXAMPLES

*Dimensional changes required for varying site conditions shall be approved by the Engineer.

- a or a₁ = 6" Min. to 2'-0" Max. (Approximately 0.2W or 0.2W₁)
- b or b₁ = 3" Min. to 4" Max.
- c or c₁ = 3" Min. to 4" Max.
- e = 0" Min. to 6" Max.
- s = 3'-0" Min. to 6'-0" Max. (Approximately 0.6W or 0.6W₁)
- v or v₁ = 2'-0" Min. to 2'-11" Max.



DUAL POST ASSEMBLY EXAMPLES

GENERAL NOTES

Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 505.04(f)(3), and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

One foundation requires 0.7 cubic yards of concrete and 46 pounds of reinforcement bars and spiral hoops.

LOADING: 80 mph wind with 30% gust factor, normal to sign.

DESIGN STRESSES:
Structural steel - 20,000 psi
Reinforcing steel - 20,000 psi
Concrete - 1,400 psi
Footing soil pressure - 2,000 psf

After fabrication, the post, fuse plate, base plate and upper 6" (minimum) of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.

For Sections A-A and B-B, see Base Sheet BAT-A-2.

FOUNDATIONS:

All necessary excavation or drilling (except in rock); backfilling with excavated material; disposal of unsuitable or surplus material; formwork; and furnishing and placing the Class SI Concrete and reinforcement bars, shall be included in the pay item used for foundations.

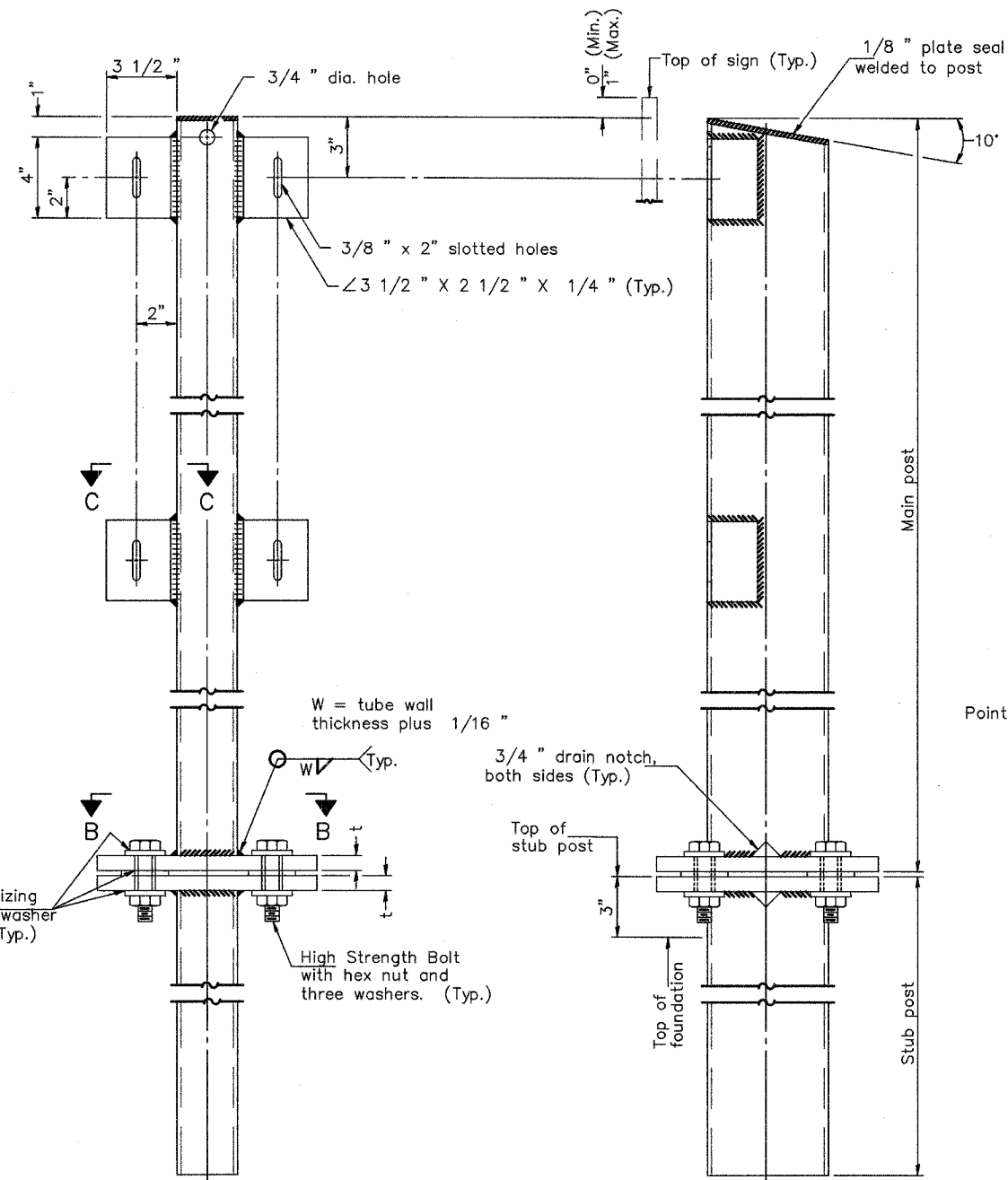
The measurement of the tubular steel shall be computed on the basis of the weight per foot of the support, multiplied by the combined length of the main posts and stub posts.

MAIN POST STEEL TUBING	WEIGHT PER FOOT (POUND)	STUB POST TABLE		MAIN POST TABLE				
		Stub Embedment	Stub Post Length	Bolt Size	A	t	R	Bolt Circle
3" x 2" x 1/4"	7.11	2'-0"	2'-3"	1/2" x 2 3/4"	8 1/4"	5/8"	9/32"	6 1/2"
4" x 2" x 1/4"	8.81	2'-0"	2'-3"	1/2" x 2 3/4"	8 1/4"	5/8"	9/32"	6 1/2"
4" x 3" x 1/4"	10.51	2'-3"	2'-6"	5/8" x 3 1/4"	10"	3/4"	11/32"	8"
5" x 3" x 1/4"	12.21	2'-3"	2'-6"	5/8" x 3 1/4"	10"	3/4"	11/32"	8"
6" x 3" x 1/4"	13.91	2'-3"	2'-6"	5/8" x 3 1/4"	11 1/2"	3/4"	11/32"	9 1/2"
6" x 4" x 1/4"	15.62	2'-3"	2'-6"	3/4" x 3 1/2"	11 1/2"	3/4"	13/32"	9 1/2"
6" x 4" x 5/16"	19.08	2'-3"	2'-6"	3/4" x 3 1/2"	11 1/2"	3/4"	13/32"	9 1/2"
7" x 5" x 1/4"	19.02	2'-6"	2'-9"	3/4" x 3 1/2"	1'-2"	3/4"	13/32"	1'-0"
8" x 4" x 1/4"	19.02	2'-6"	2'-9"	3/4" x 3 1/2"	1'-2"	3/4"	13/32"	1'-0"
8" x 6" x 1/4"	22.42	2'-6"	2'-9"	7/8" x 3 1/2"	1'-2"	3/4"	15/32"	1'-0"

BREAK-AWAY TUBULAR STEEL
SIGN POSTS AND FOUNDATIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

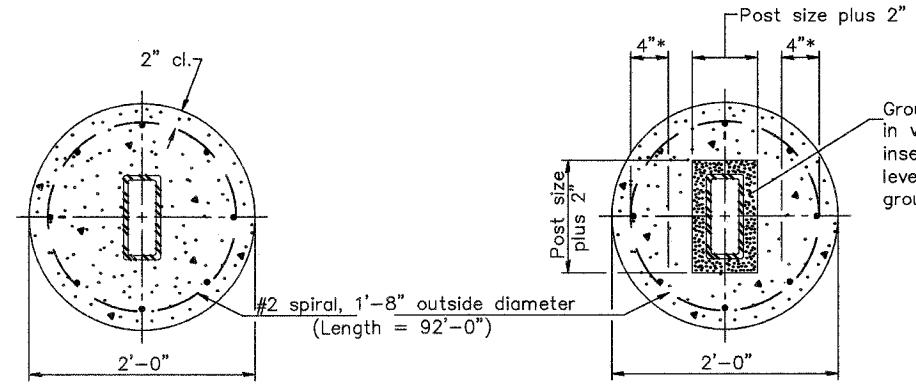
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	56
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
SIGNING PLAN, SCHEDULE & DETAILS				
CONTRACT NO. 97324				



FRONT ELEVATION

SIDE ELEVATION

MAIN POST & STUB POST

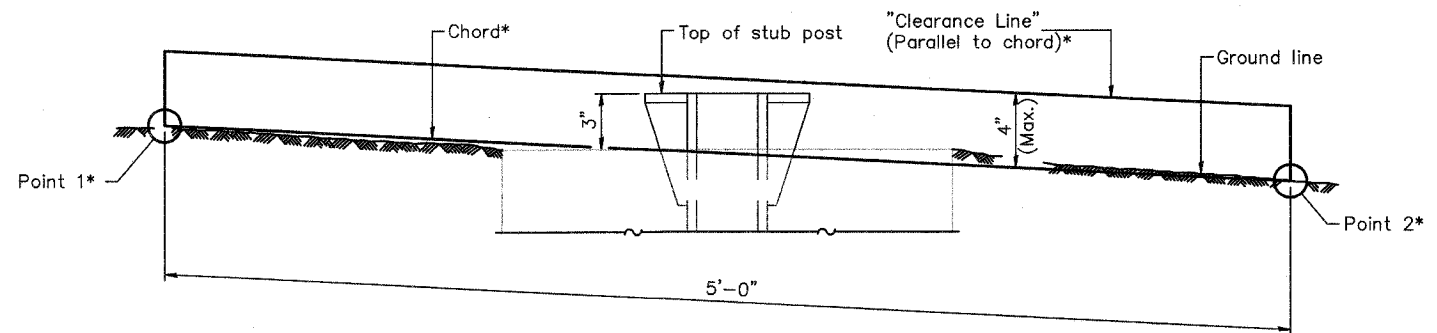


SECTION A-A
(CAST-IN-PLACE)

OR

SECTION A-A
(PRECAST)

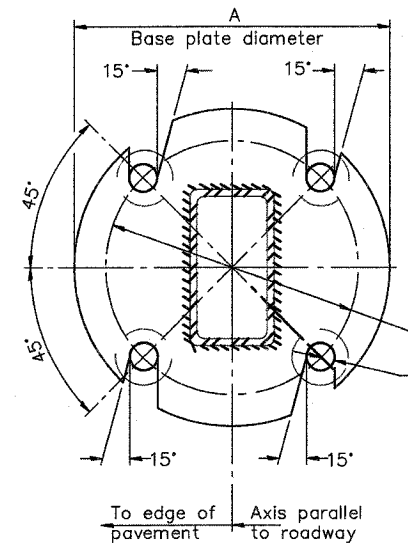
*Hot dip galvanized lifting loops or inserts may be placed in precast foundation inside the spiral reinforcement but not within 6" of the long axis of the post. Inserts must be adequate for safely lifting a total of 3,000 pounds and must not interfere with installation of the stub post or proper functioning of the slip base.



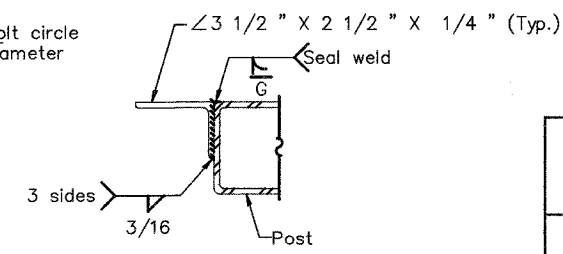
ELEVATION

GROUND LINE & STUB POST

*For all "Point 1" and "Point 2" locations, "Clearance Line" must be at or above top of stub post.

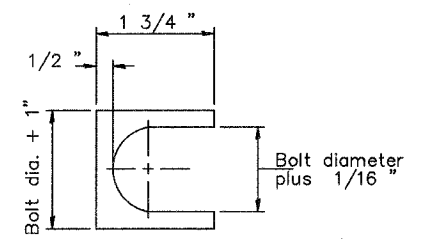


SECTION B-B



SECTION C-C

Weld continuously around corners.

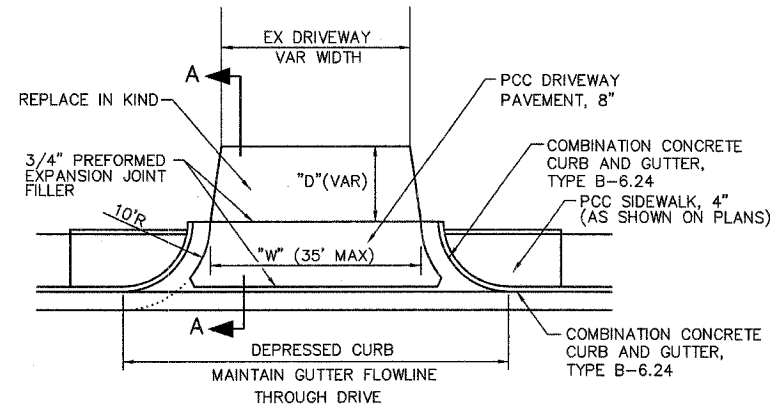


SHIM DETAIL

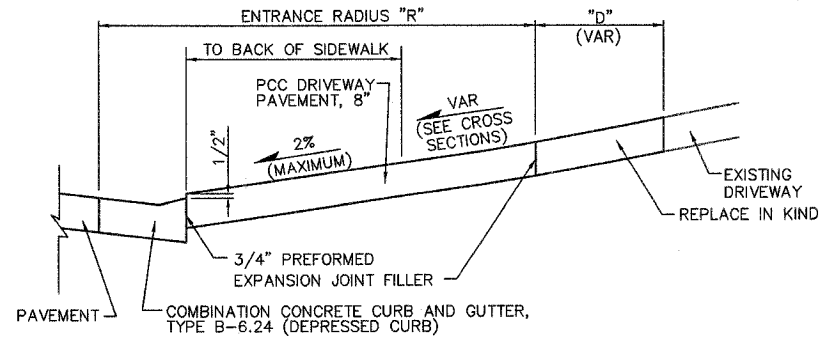
Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.

BREAK-AWAY TUBULAR STEEL
SIGN POSTS AND DETAILS

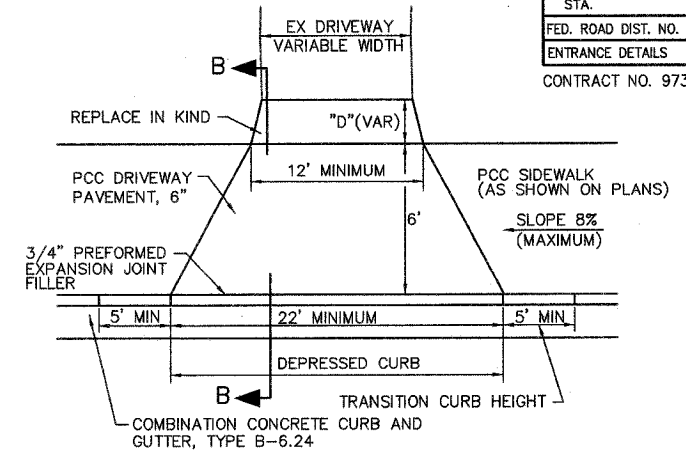
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	57
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
ENTRANCE DETAILS				
CONTRACT NO. 97324				



TYPICAL COMMERCIAL ENTRANCE DETAIL
(NOT TO SCALE)



SECTION A-A
(NOT TO SCALE)



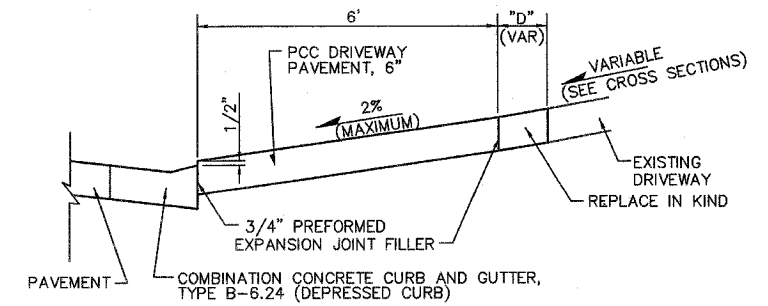
TYPICAL PRIVATE ENTRANCE DETAIL
(NOT TO SCALE)

ENTRANCE SCHEDULE

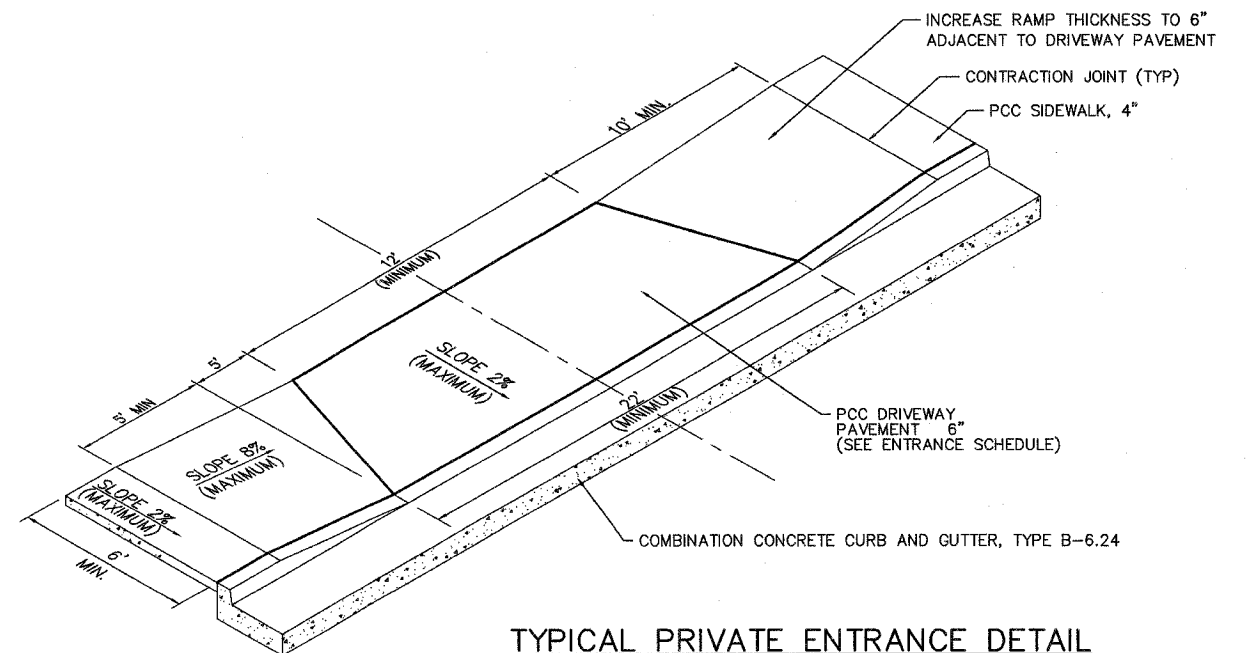
STATION (NOTE 1)	OFFSET	ENTRANCE TYPE	ENTRANCE WIDTH "W" (NOTE 1) (FOOT)	ENTRANCE DEPTH "D" (FOOT)	EXISTING SURFACE TYPE	AGG BASE CSE A 6 (SQ YD)	AGG SURF CSE A 6 (SQ YD)	INCIDENTAL HMA SURF (NOTE 2) (TON)	PCC DRIVEWAY PAVT 6 (NOTE 3) (SQ YD)	PCC DRIVEWAY PAVT 8 (NOTE 3) (SQ YD)	DRIVE PAVEMENT REM (SQ YD)
POPLAR STREET											
16+18	RT	CE	18	10	AGGREGATE		40			30	
16+30	LT	ALLEY	14	5	OIL & CHIP	7		1		26	13
19+37	LT	CE	TBR		CONCRETE						34
19+60	RT	PE	TBR		ASPHALT						67
20+31.75	LT	ALLEY	12	5	OIL & CHIP	6		1		55	42
20+46	56' LT	CE	16		CONCRETE					14	20
21+87	58' LT	CE	12	3	CONCRETE					17	16
22+45 TO 24+48	RT	CE	TBR		ASPHALT						139
24+78 TO 25+39	RT	CE	TBR		ASPHALT						28
26+94	LT	CE	12	16	AGGREGATE		19		13		5
27+55.50	LT	ALLEY	15	5	OIL & CHIP	9		2		26	13
28+50	LT	CE	TBR		CONCRETE						24
29+33	RT	PE	24	13	AGG / CONC		21		33		36
29+92	RT	PE	13	36	ASPHALT	40		5	12		53
30+58	RT	PE	12	35	ASPHALT	41		5	11		48
31+18	RT	PE	12	22	AGGREGATE		30		11		
31+78	RT	PE	12	29	AGGREGATE		36		11		
31+97	RT	PE	12	5	AGGREGATE		6		11		
32+45	RT	PE	24	10	AGG / CONC		14		31		15
33+11	RT	PE	12	5	CONCRETE				17		19
33+76	RT	PE	16	13	AGGREGATE		23		14		
IL ROUTE 160 / BROADWAY											
11+75	LT	PE	12	16	CONCRETE				30		9
12+17	RT	PE	12	6	AGGREGATE		15		10		
15+75	RT	PE	12	21	AGGREGATE		25		29		4
16+73	LT	PE	12	10	CONCRETE				22		31
16+84	RT	PE	18	18	CONCRETE				53		28
17+12	RT	PE	12	22	CONCRETE				30		20
17+47	LT	PE	12	5	CONCRETE				17		21
18+23	LT	PE	14	11	CONCRETE				28		32
18+25	RT	PE	16	10	AGGREGATE		14		14		5
19+15	LT	PE	12	10	AGGREGATE		12		11		
19+34	LT	PE	12	10	AGGREGATE		12		11		
19+92.90	RT	ALLEY	20	22	OIL & CHIP	53		7		40	8
21+21	LT	PE	18	10	CONCRETE				35		38
22+20	LT	PE	12	10	AGGREGATE		11		11		
23+47	LT	PE	12	26	CONCRETE				43		38
24+36	LT	PE	20	18	CONCRETE				53		64
25+18	LT	PE	12	5	ASPHALT	6		1	11		15
26+32	LT	CE	16	12.5	AGGREGATE		20		15		
TOTAL						162	298	22	587	208	885

ENTRANCE NOTES:

- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT EACH PROPERTY OWNER AND VERIFY THE LOCATION AND WIDTH OF ALL ENTRANCES.
- INCIDENTAL HOT-MX ASPHALT SURFACING QUANTITY IS CALCULATED AT A RATE OF 120 LB / SQ YD. BITUMINOUS MATERIALS (PRIME COAT) AND AGGREGATE (PRIME COAT) ARE REQUIRED BUT WILL NOT BE MEASURED SEPARATELY FOR PAYMENT. THE COST FOR BITUMINOUS MATERIALS AND AGGREGATE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR INCIDENTAL HOT-MX ASPHALT SURFACING.
- DEPRESSED CURB AND GUTTER THROUGH ENTRANCES SHALL BE MEASURED FOR PAYMENT AS COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24.



SECTION B-B
(NOT TO SCALE)



TYPICAL PRIVATE ENTRANCE DETAIL
(NOT TO SCALE)

LANDSCAPING SCHEDULE

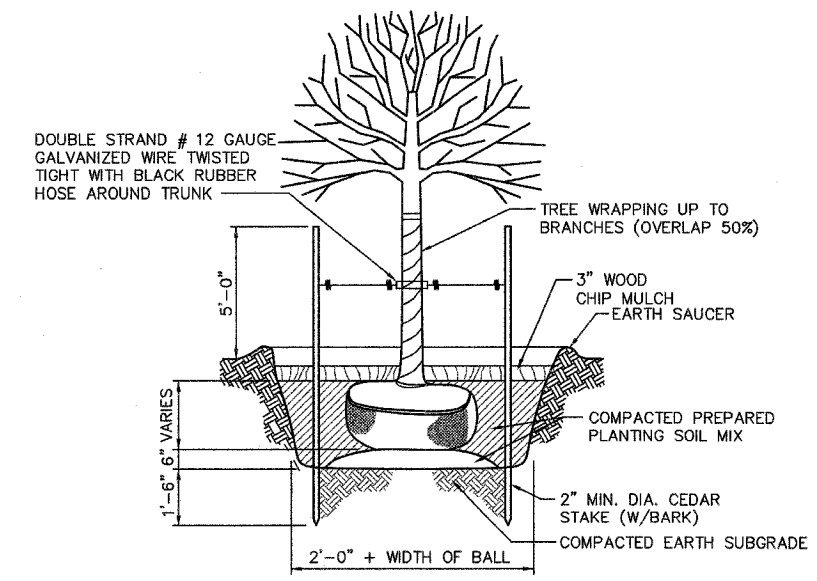
STATION	OFFSET	TREE REMOV 6-15 20100110 (UNIT)	TREE REMOV OVER 15 20100210 (UNIT)	T-ACER RUB OG 2-1/2 (OCTOBER GLORY RED MAPLE) A2001120 (EACH)	T-ACER RUB RS 2-1/2 (RED SUNSET RED MAPLE) A2001220 (EACH)	T-FRAX AP CL 8' (AUTUMN PURPLE WHITE ASH) A2003570 (EACH)	T-LIRIODEN TUL 2-1/2 (TULIP) A2005420 (EACH)	T-QUERCUS RUBRA 2-1/2 (RED OAK) A2007120 (EACH)	T-CERCIS CAN CL 7' (EASTERN REDBUD) B2001166 (EACH)	T-CORNUS FLOR CL 6' (FLOWERING DOGWOOD) B2001366 (EACH)	S-EUONY ALAT COMP 18C (DWARF WINGED EUONYMUS) C2C02618 (EACH)	E-PICEA GLAUCA 6' (WHITE SPRUCE) D2001872 (EACH)	E-PICEA OMORIKA 8' (SERBIAN SPRUCE) D2002088 (EACH)	E-PICEA PUNG GLAU 8' (COLORADO BLUE SPRUCE) D2002288 (EACH)	
POPLAR STREET															
18+68	LT & RT												1	1	2
18+73	52' RT														
19+30	43' RT														18
19+74	37' LT	8													28
20+00	71' LT				1										
20+65	40' LT												1		
21+75	35' LT									1					
25+52 TO 26+04	20.58' LT											14			
26+70	37' LT				1										
26+78	31' LT		30												
27+30	32' LT									1					
27+90	31' LT									1					
28+30	30' LT									1					
28+80	28' LT									1					
29+10	28' RT								1						
29+17	48' LT					1									
31+02	25' RT		18												
IL ROUTE 160 / BROADWAY															
11+70	35' RT												1		
12+45	34' RT			1											
13+00	45' RT				1										
14+85	60' LT											1			
14+91	42' LT														18
14+92	14' LT														18
15+38	39' RT														1
16+00	32' RT														1
16+20	32' RT												1		
17+00	38' RT											1			
17+20	34' LT										1				
17+85	32' LT				1										
18+71	23' LT														30
18+75	38' LT														1
19+46	24' LT														30
19+50	34' LT														1
19+67	33' LT														13
20+30	40' LT														1
21+00	165' RT														1
21+70	40' LT														1
22+60	40' LT														
23+20	40' LT				1										
23+27	26' LT														42
23+63	34' LT														
23+70	40' LT														1
24+61	26' LT														20
24+65	38' LT														1
24+95	38' LT														1
26+95	38' LT														1
26+98	31' LT														10
27+15	38' LT														1
27+35	38' LT														1
27+43	30' LT														13
27+53	30' LT														10
27+55	38' LT														1
TOTAL		64	252	4	4	2	2	2	8	10	14	2	2	2	

- NOTES:
1. EXACT TREE AND SHRUB LOCATIONS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
 2. TREES WITHIN THE ROUNDABOUT CENTRAL ISLAND SHALL BE PLANTED 25 FEET FROM THE BACK OF THE TRUCK APRON CURB.
 3. PLANT DWARF WINGED EUONYMUS AT 4' CENTERS.
 4. NO TREES SHALL BE PLANTED WITHIN 10 FEET OF A UTILITY LINE, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
 5. PLANTING TIME, MULCHING, WRAPPING, BRACING AND OTHER ITEMS INVOLVED IN THE PLANTING OF TREES SHALL BE IN ACCORDANCE WITH ARTICLE 263 OF "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION."
 6. EXISTING TREES LOCATED OUTSIDE THE CONSTRUCTION LIMITS SHALL BE PRESERVED.

SEEDING SCHEDULE

STATION	STATION	TOPSOIL F & P 2 21101605 (SQ YD)	SEEDING CL 1B 25000115 (ACRE)	NITROGEN FERT NUTR 25000400 (POUND)	PHOSPHORUS FERT NUTR 25000500 (POUND)	POTASSIUM FERT NUTR 25000600 (POUND)	MULCH METHOD 2 25100115 (ACRE)
POPLAR STREET							
15+75	18+68	374	0.1	9	9	9	0.1
18+68	22+60	797	0.2	18	18	18	0.2
22+60	34+00	1243	0.3	27	27	27	0.3
IL ROUTE 160 / BROADWAY							
10+00	13+96	877	0.2	18	18	18	0.2
13+96	29+00	1590	0.3	27	27	27	0.3
TOTAL		4,881	1.1	99	99	99	1.1

- SEEDING NOTES:
1. THE PREPARED SEED BED SHALL BE FREE OF ALL CONSTRUCTION DEBRIS AND AGGREGATE PRIOR TO SEEDING.



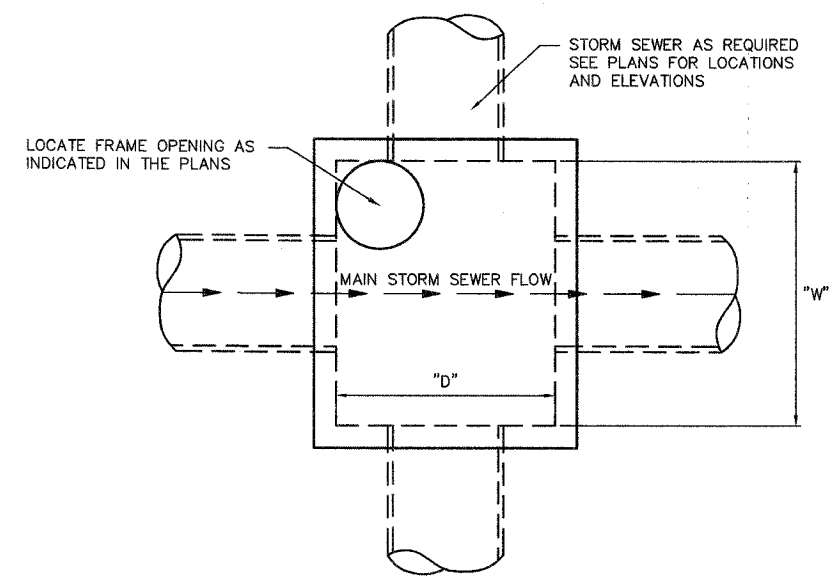
TREE PLANTING DETAIL
(NOT TO SCALE)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BBS2	D6-00056-01-WR	MADISON	81	59
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
DRAINAGE STRUCTURE DETAILS				
CONTRACT NO. 97324				

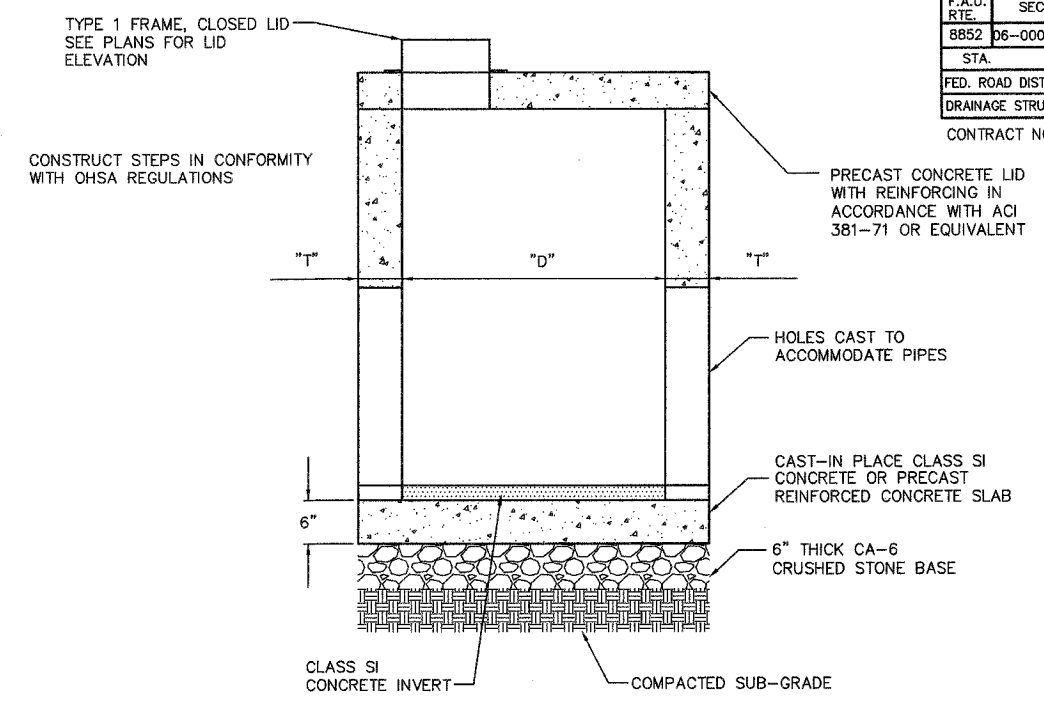
ALTERNATE MATERIALS FOR INLET WALLS	"T" (MIN.)
CONCRETE MASONRY UNITS	5"
BRICK MASONRY	8"
PRECAST REINFORCED CONCRETE SECTIONS	6"
CAST-IN-PLACE CONCRETE	6"

JUNCTION CHAMBER,	"W" x "D"
NO. 1	5' x 5'
NO. 2	6' x 5'

INLET SPECIAL,	"W" x "D"	"X"
NO. 1	5' x 4.5'	0"
NO. 2	4' x 3.5'	18"
NO. 3	5' x 5'	18"
NO. 4	5' x 6'	18"

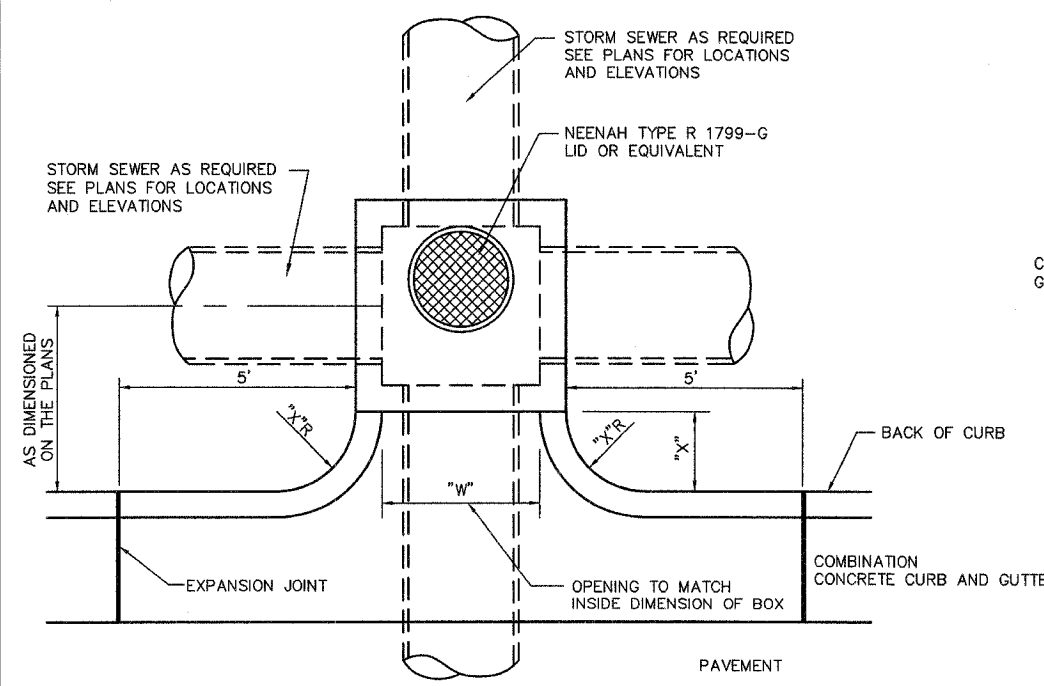


PLAN VIEW

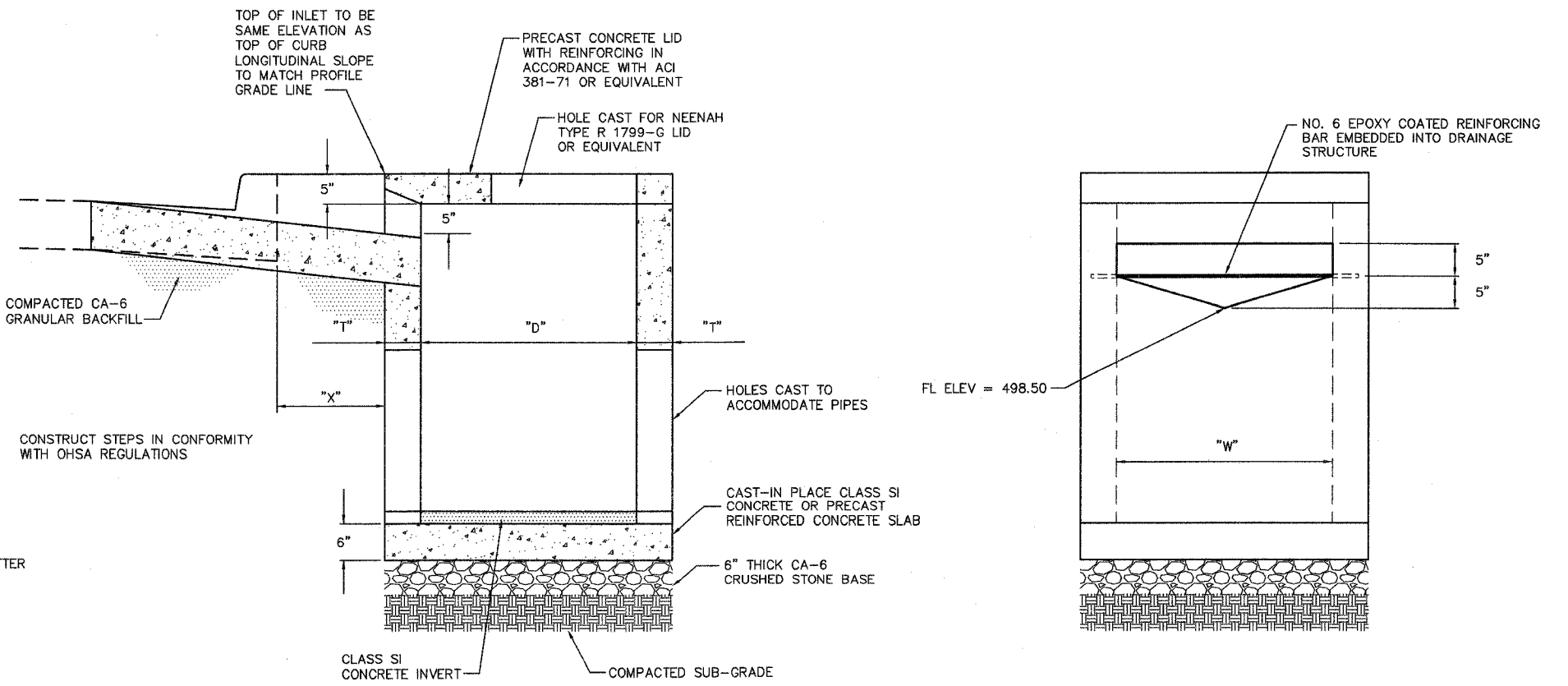


SIDE VIEW

JUNCTION CHAMBER
(NOT TO SCALE)



PLAN VIEW

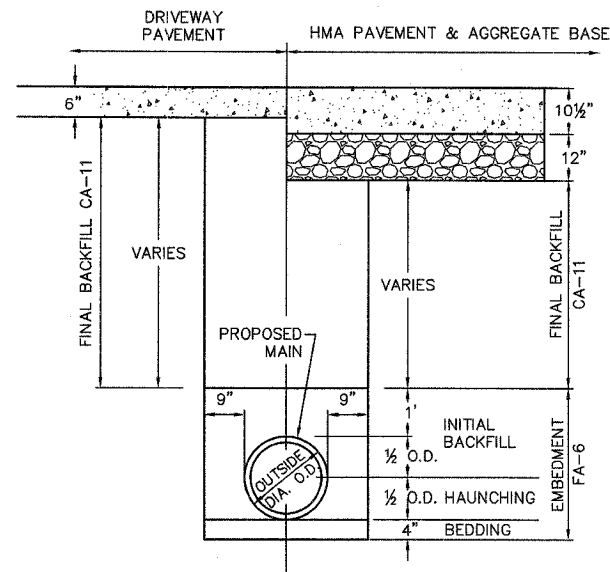


SIDE VIEW

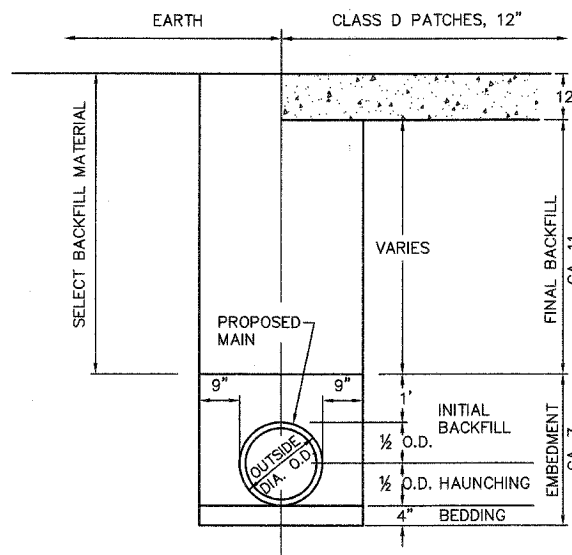
BACK OF INLET AT
BROADWAY STA. 26+05 LT

INLETS, SPECIAL
(NOT TO SCALE)

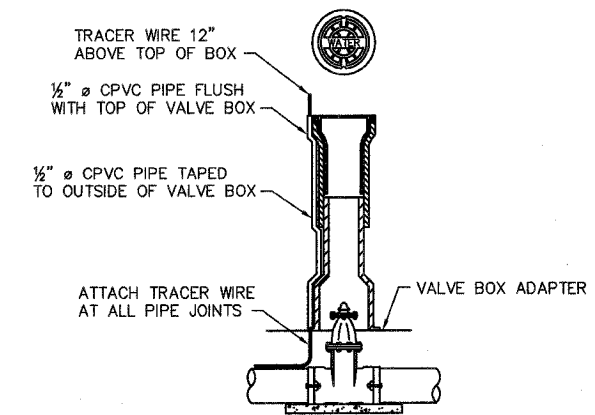
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	60
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONSTRUCTION DETAILS				
CONTRACT NO. 97324				



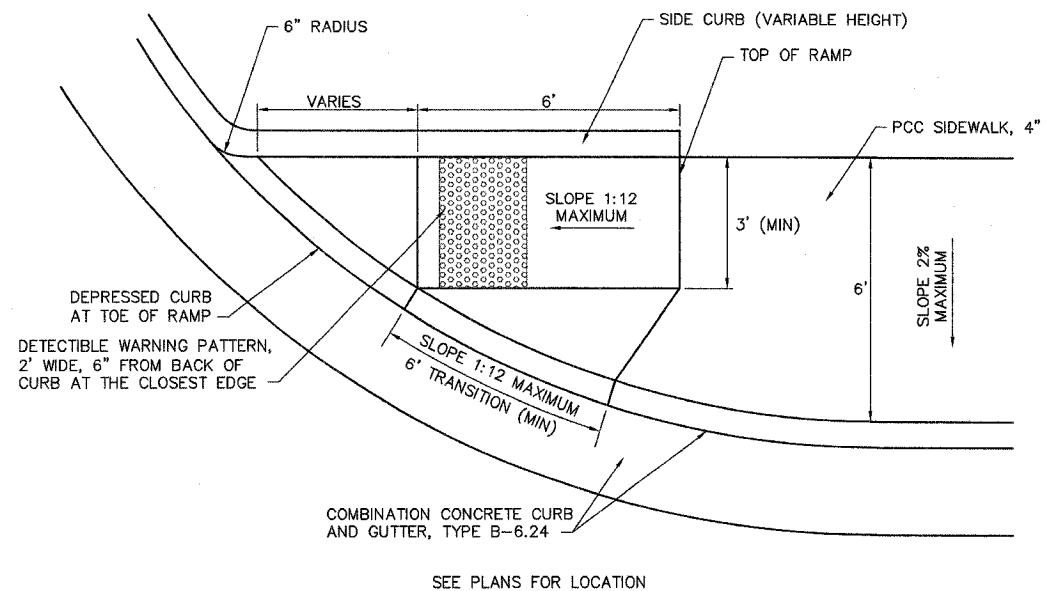
WATER MAIN DETAIL
NO SCALE



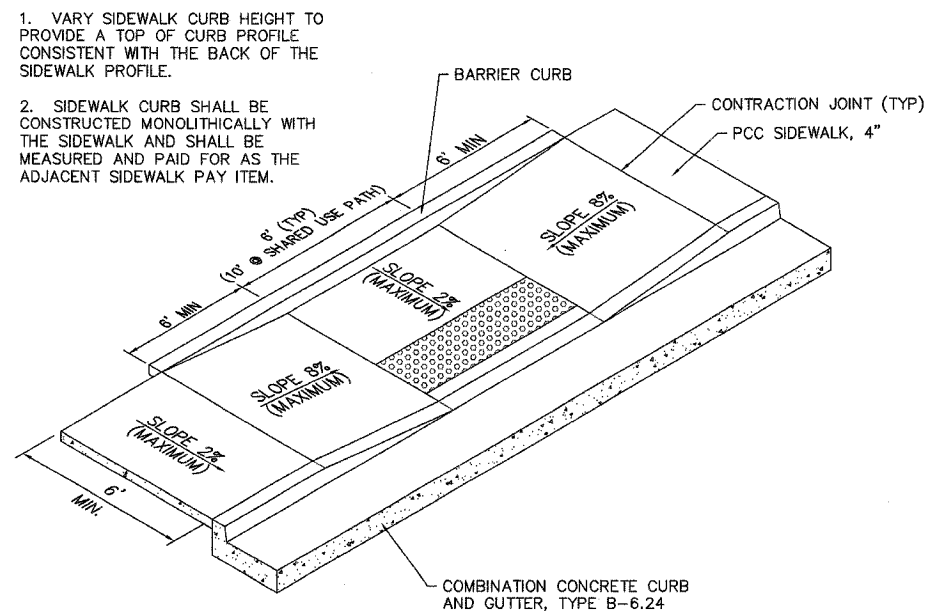
SANITARY SEWER DETAIL
NO SCALE



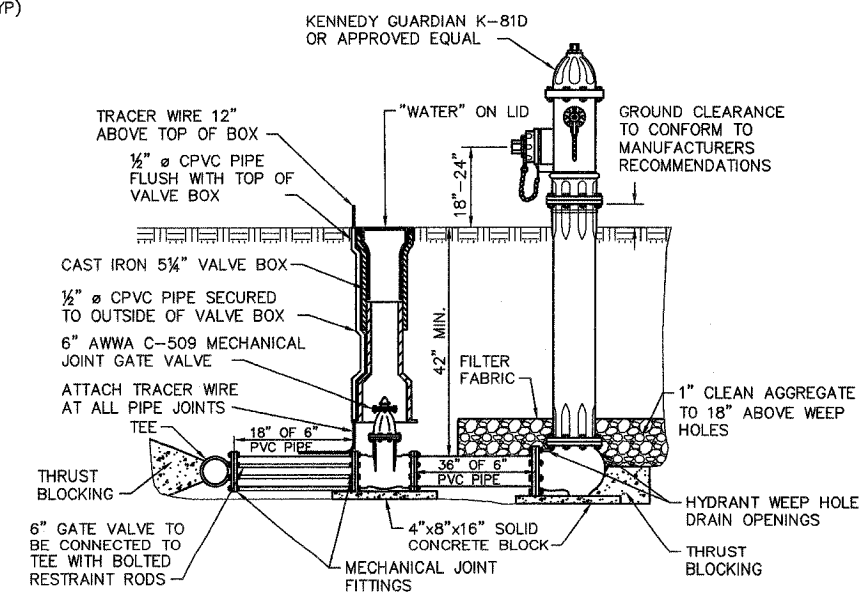
GATE VALVE INSTALLATION DETAIL
NOT TO SCALE



SIDEWALK RAMPS
(NOT TO SCALE)

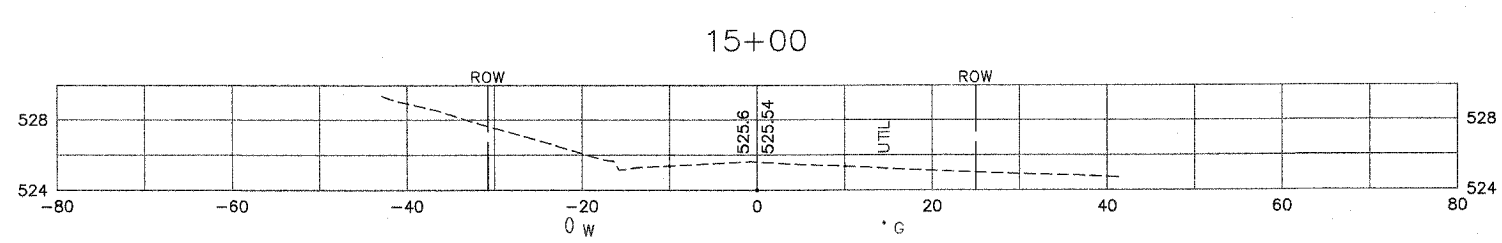
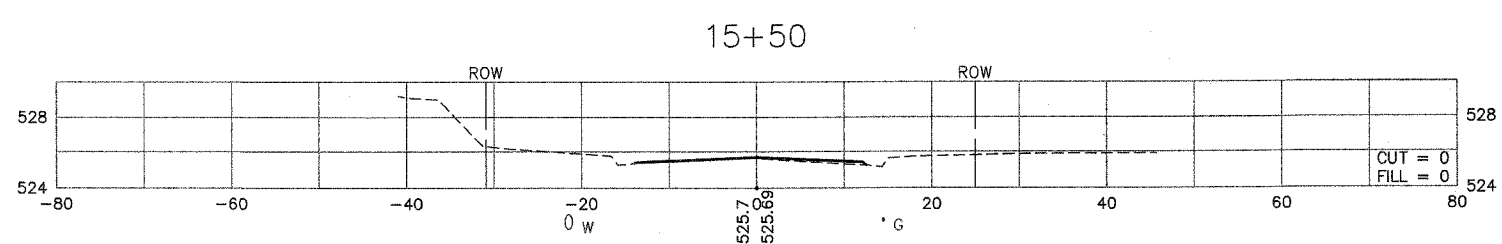
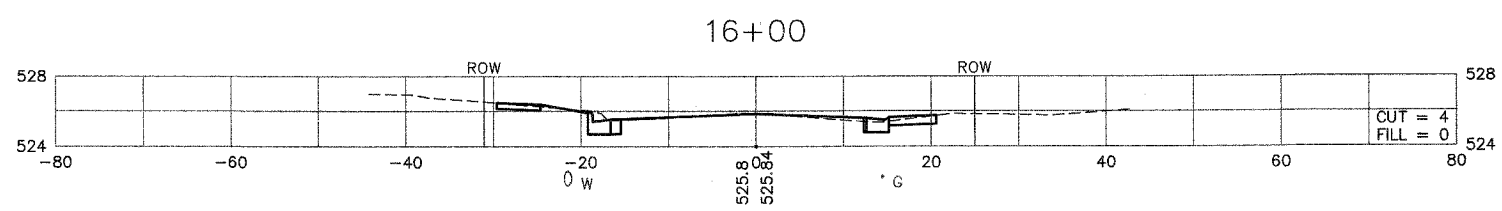
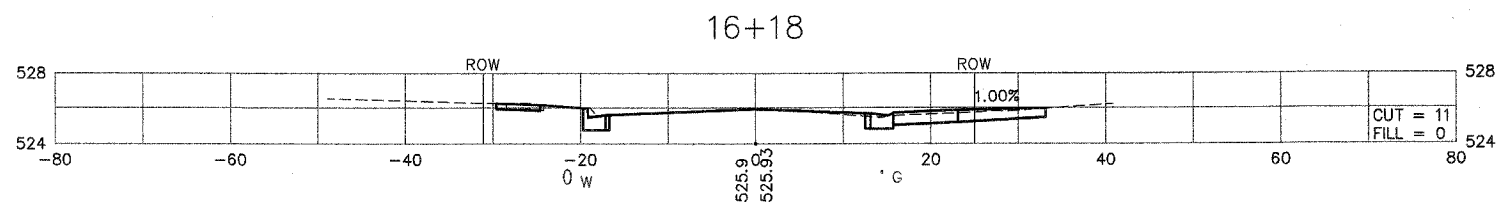
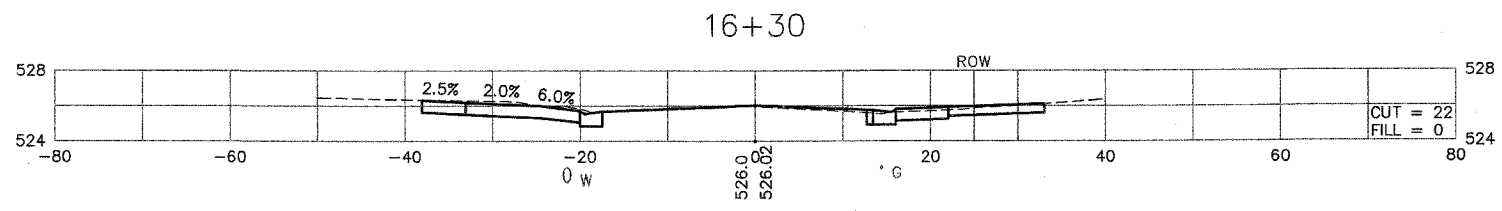
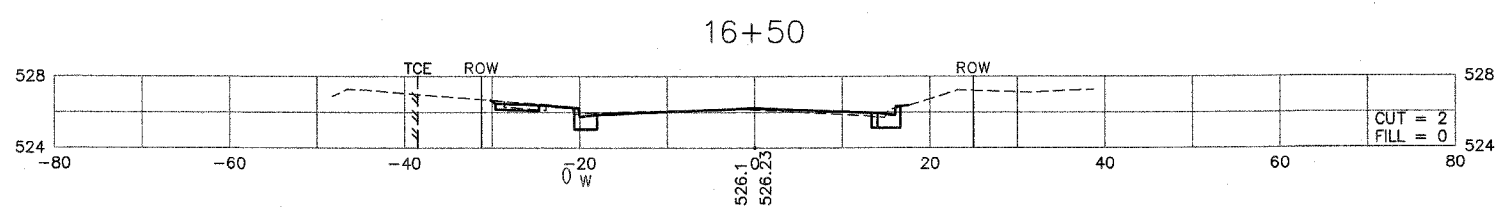
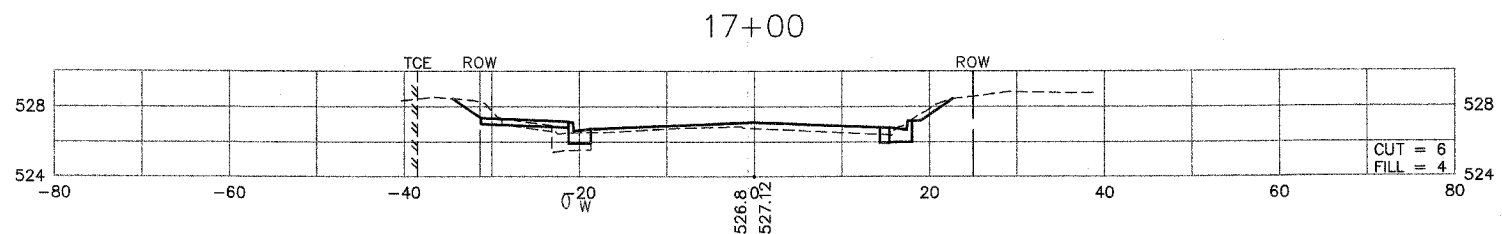


SIDEWALK RAMP DETAIL
(NOT TO SCALE)

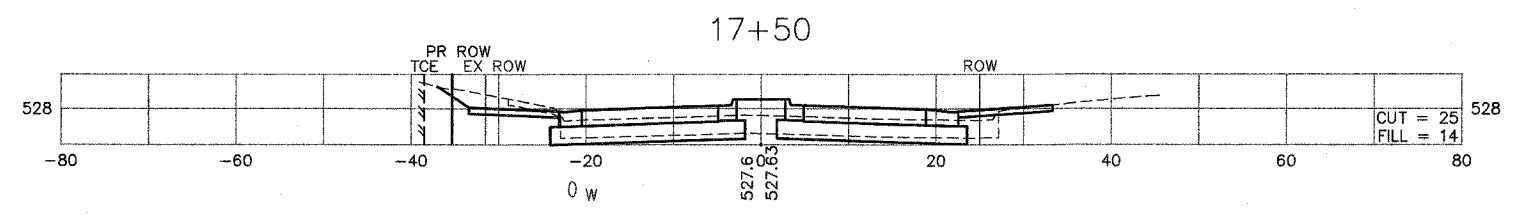
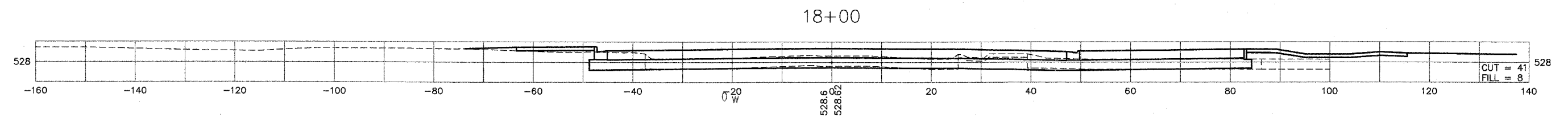
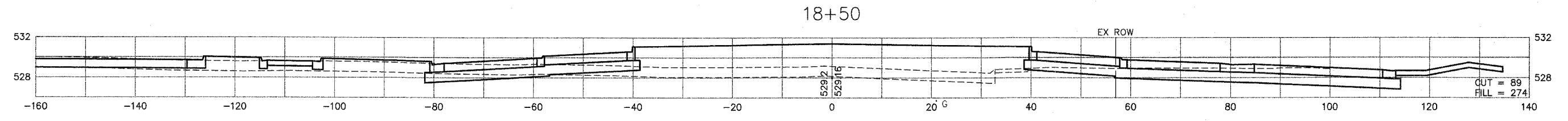
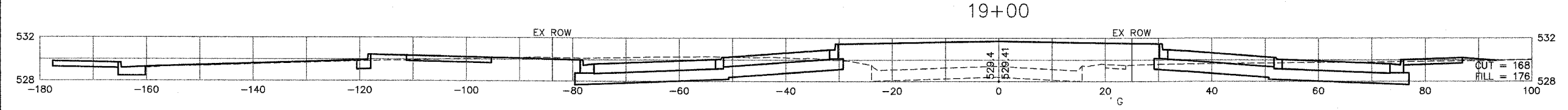
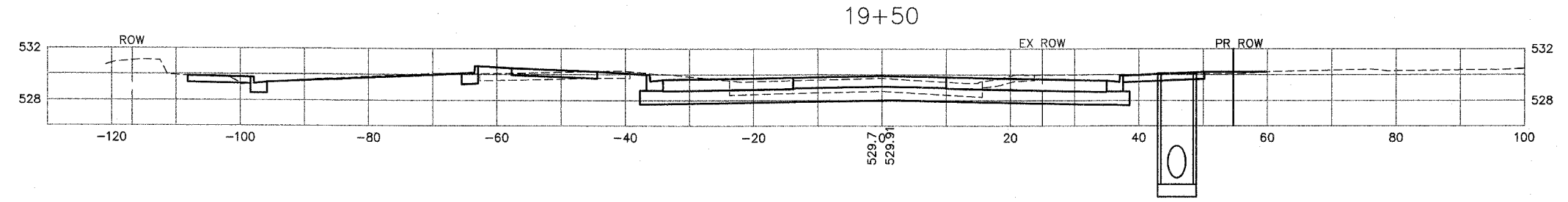
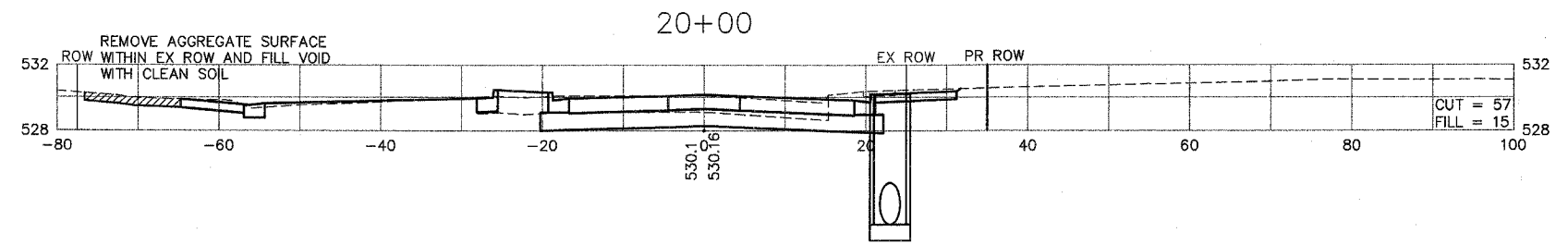
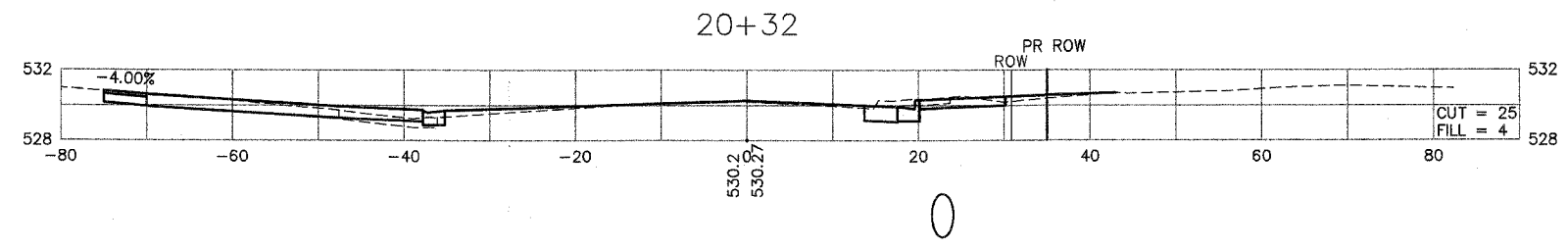


FIRE HYDRANT & VALVE (SPECIAL)
NOT TO SCALE

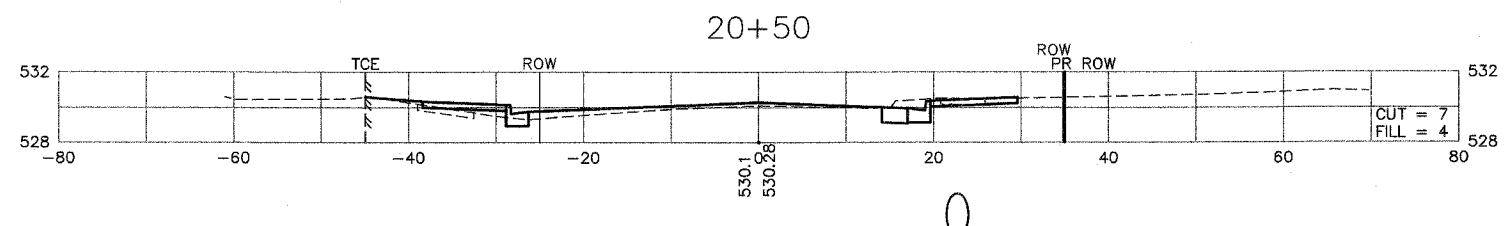
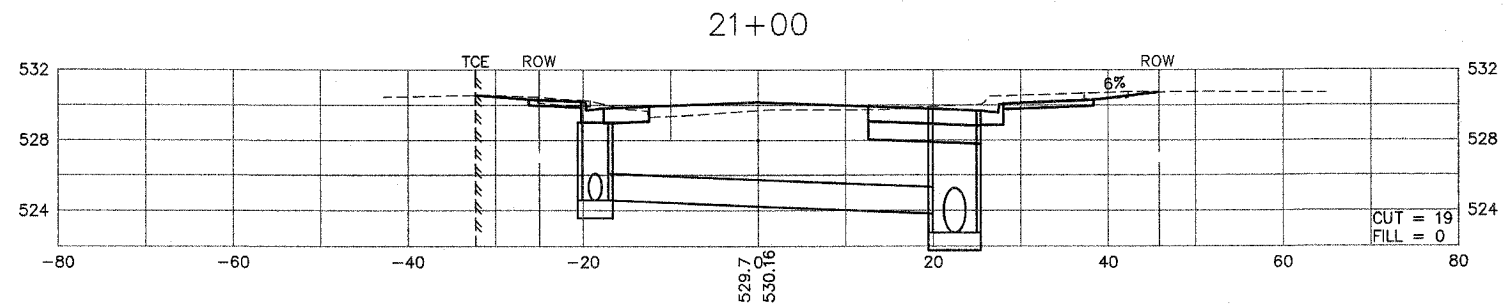
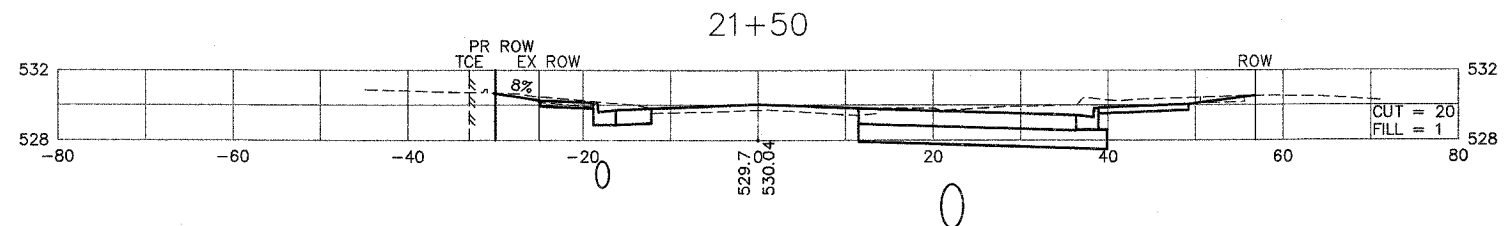
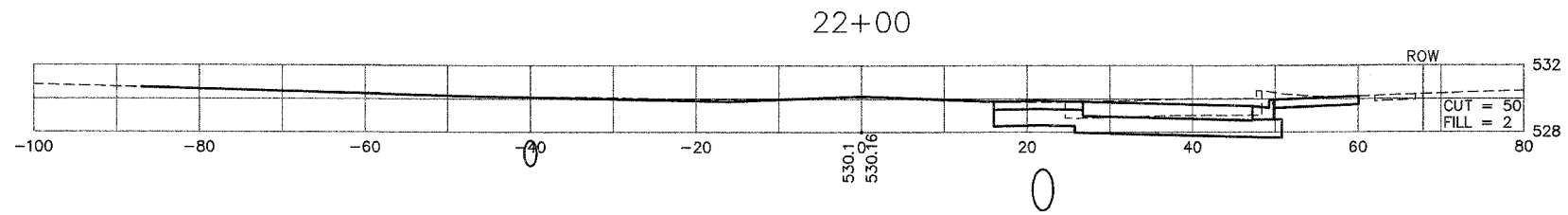
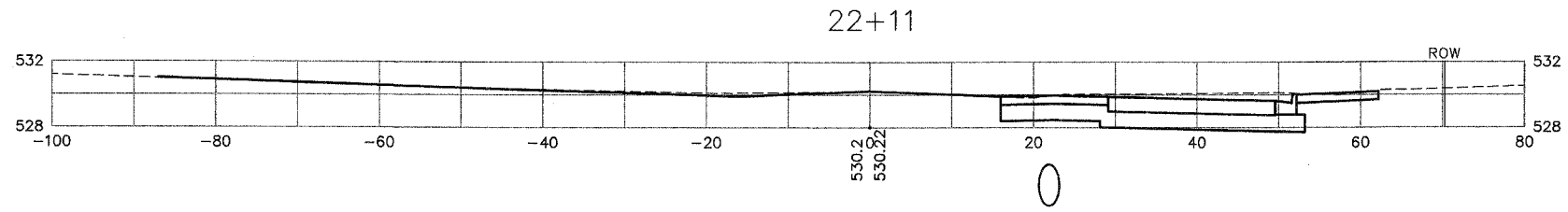
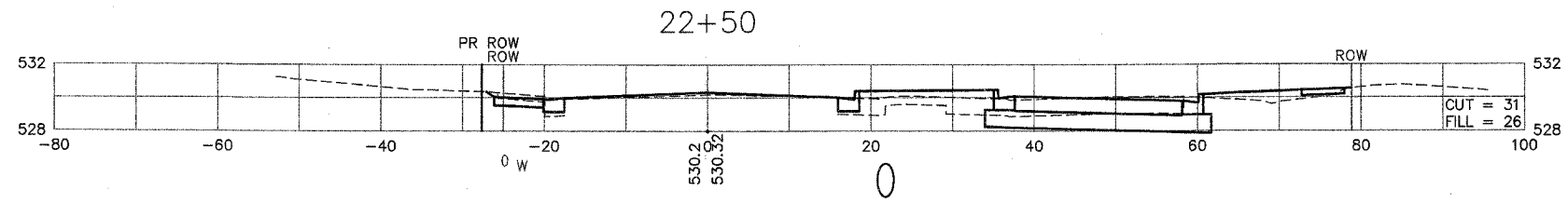
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	61
STA. 15+00		TO STA. 17+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CROSS SECTIONS				
CONTRACT NO.: 97324				



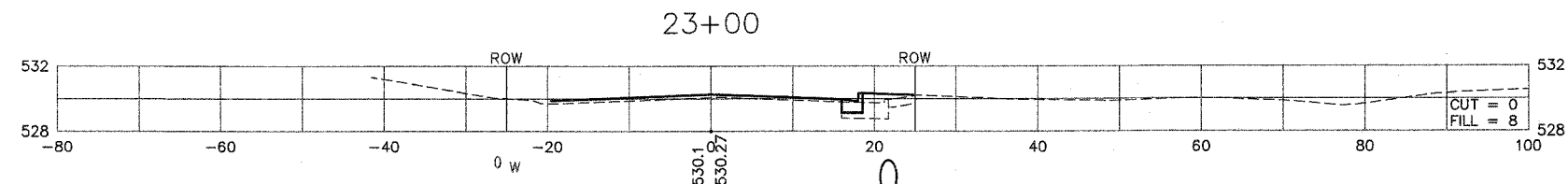
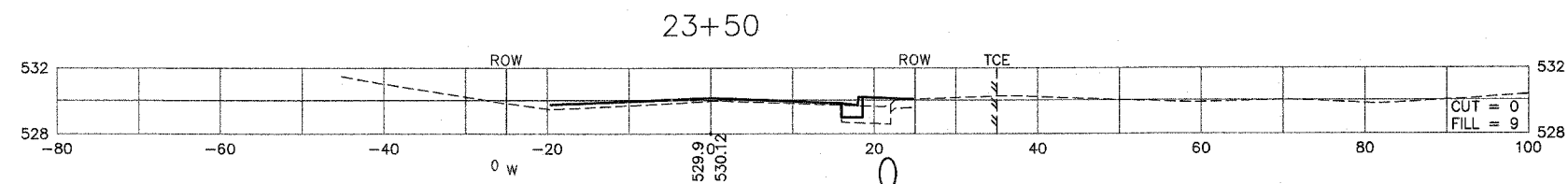
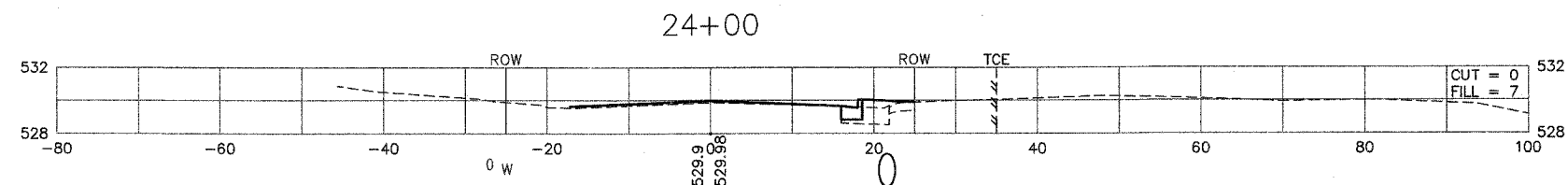
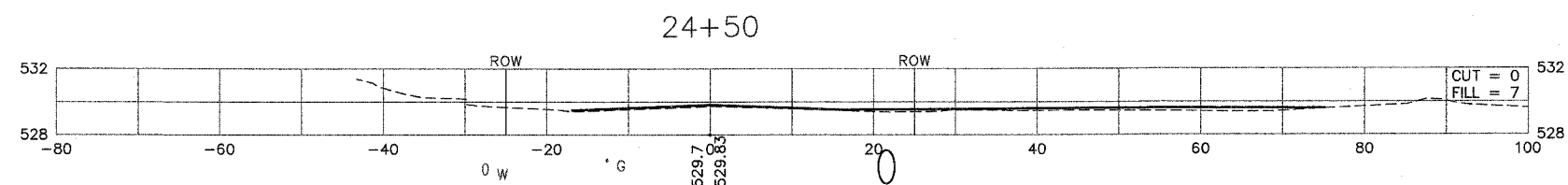
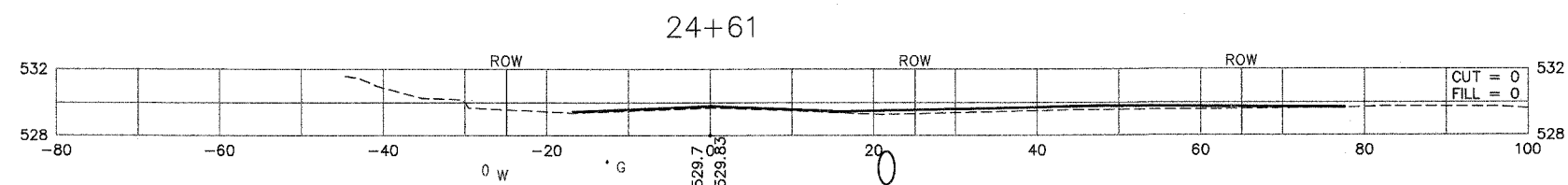
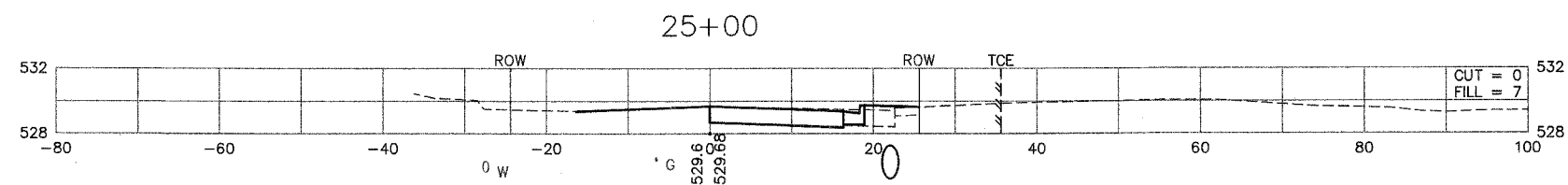
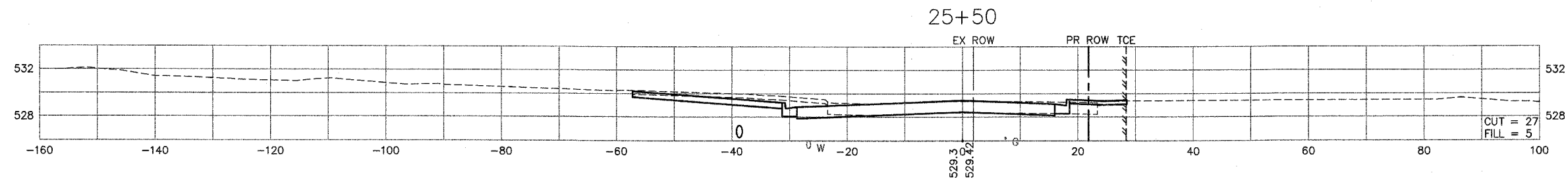
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	62
STA. 17+50 TO STA. 20+32				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CROSS SECTIONS				
CONTRACT NO.: 97324				



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	63
STA. 20+50 TO STA. 22+50				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CROSS SECTIONS				
CONTRACT NO.: 97324				

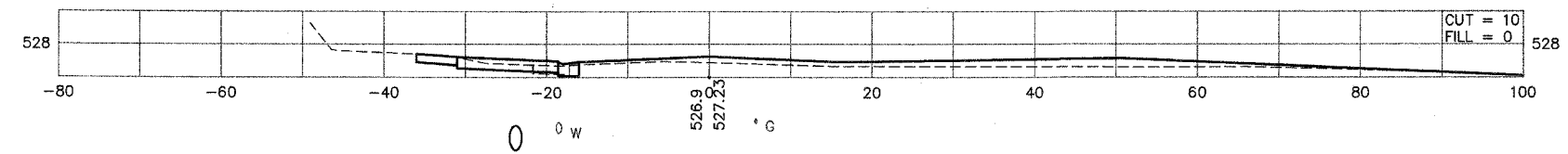


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	64
STA.	23+00	TO STA.	25+50	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CROSS SECTIONS				
CONTRACT NO.: 97324				

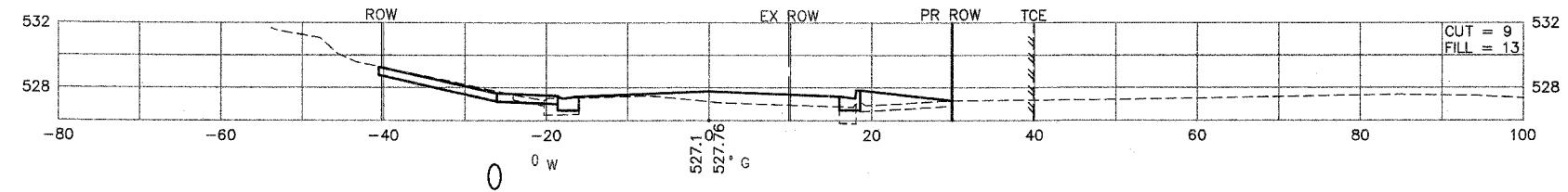


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	65
STA. 25+73 TO STA. 27+50				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CROSS SECTIONS				
CONTRACT NO.: 97324				

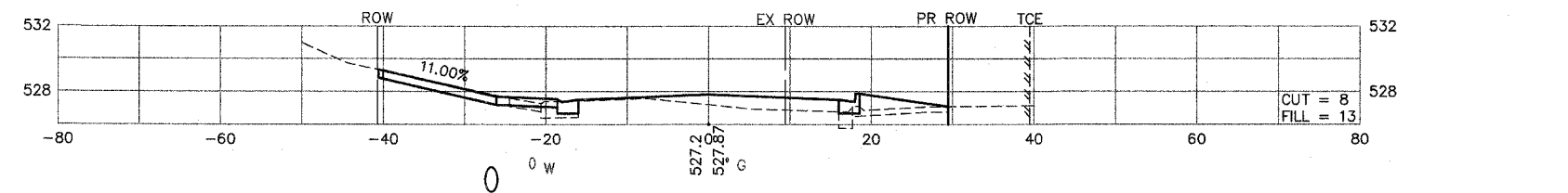
27+50



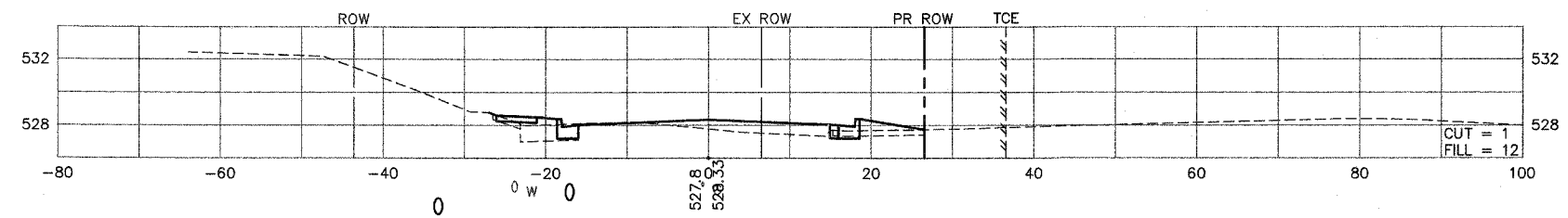
27+00



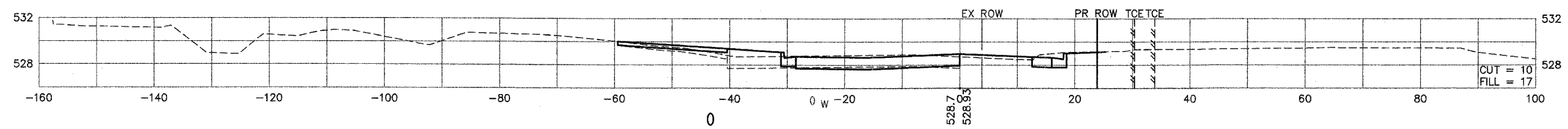
26+94



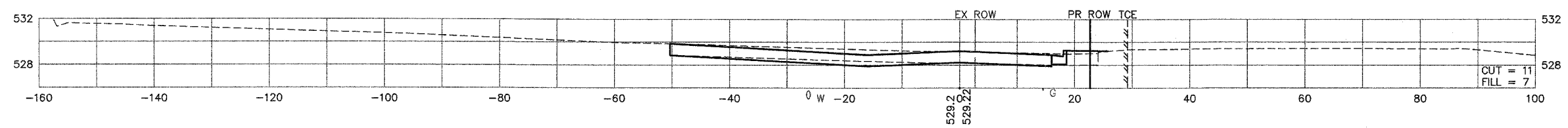
26+50



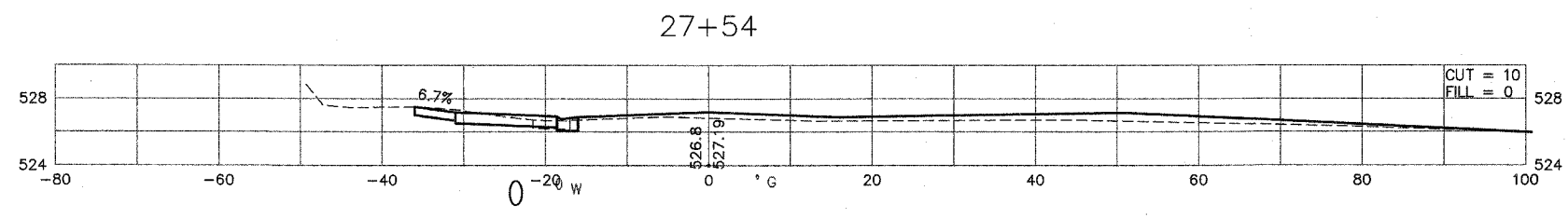
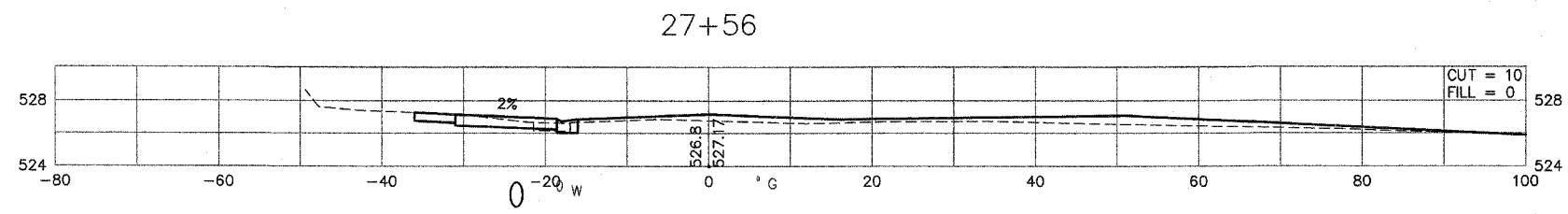
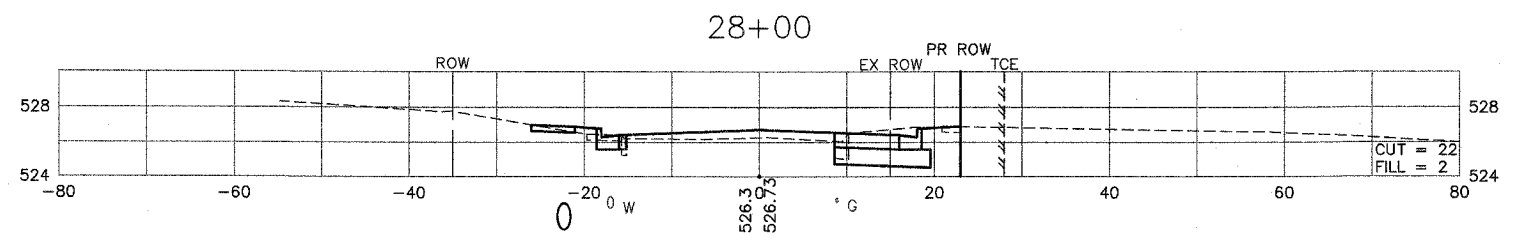
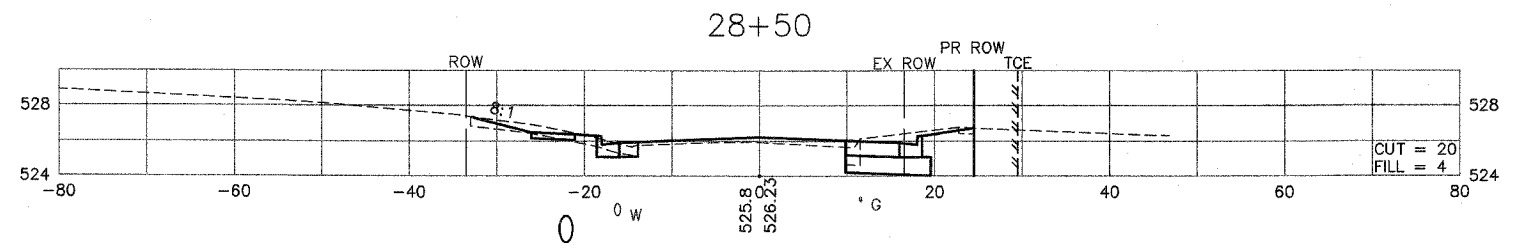
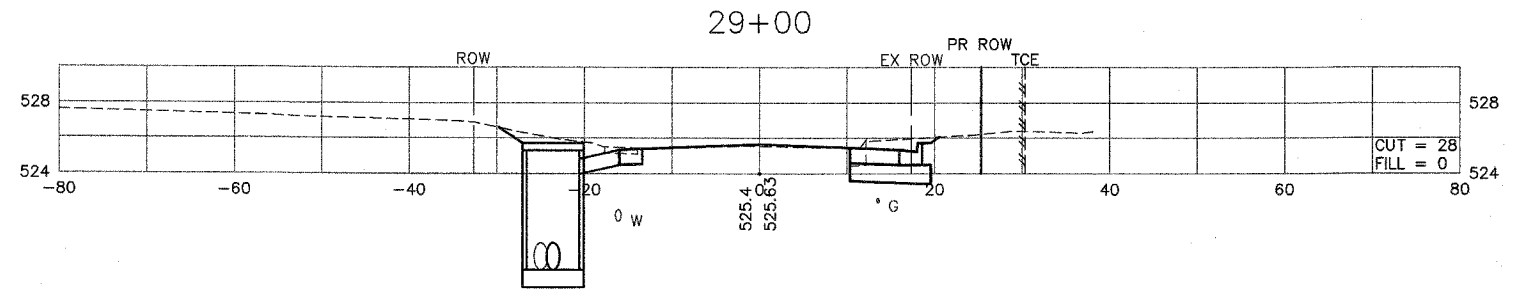
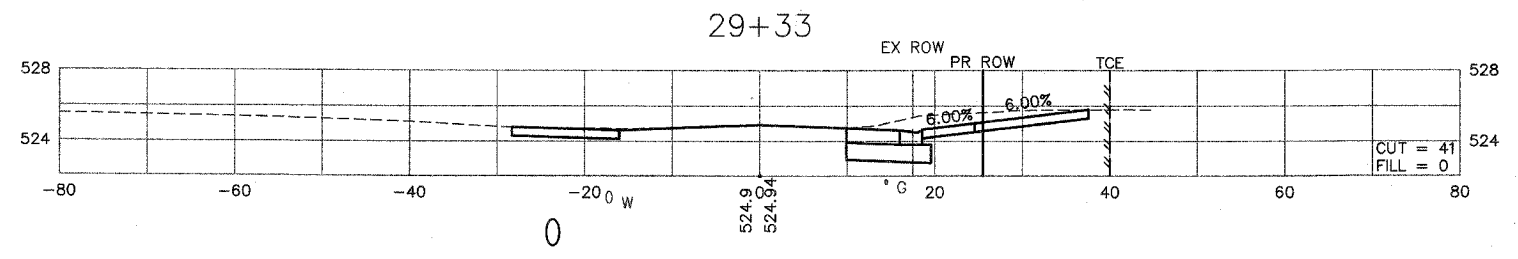
26+00



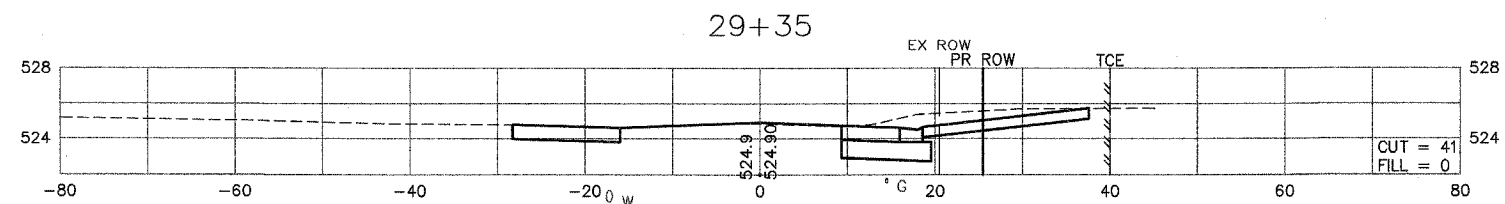
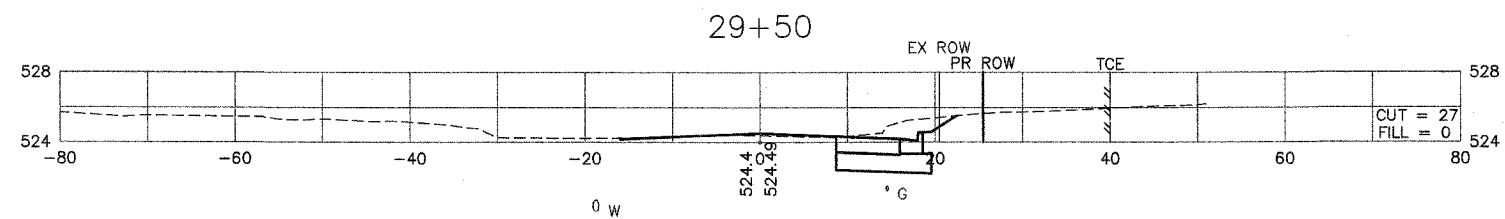
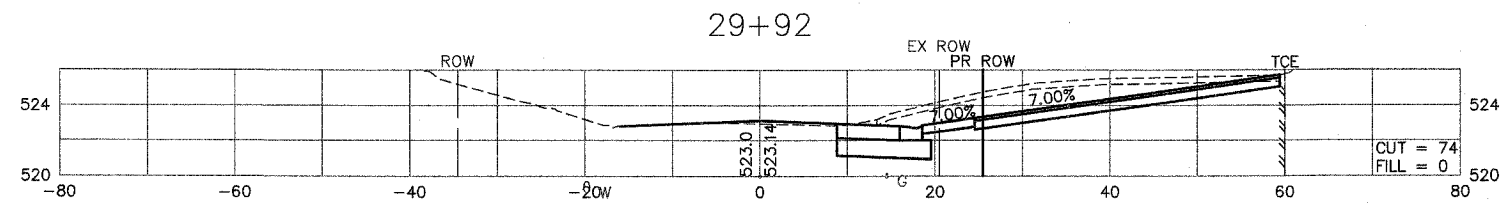
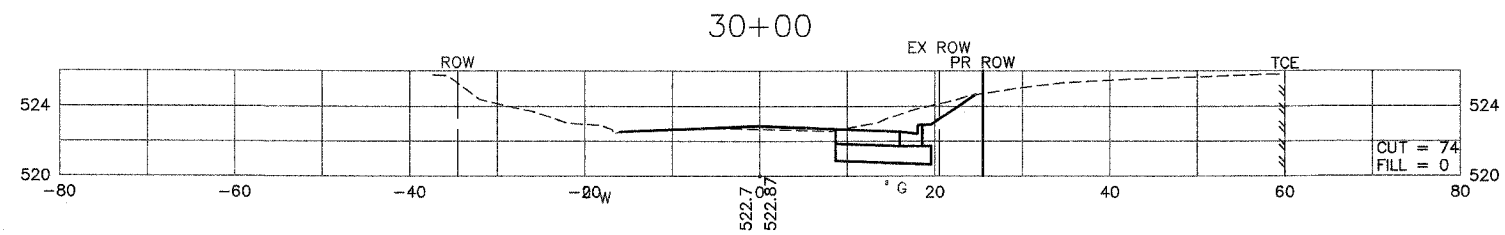
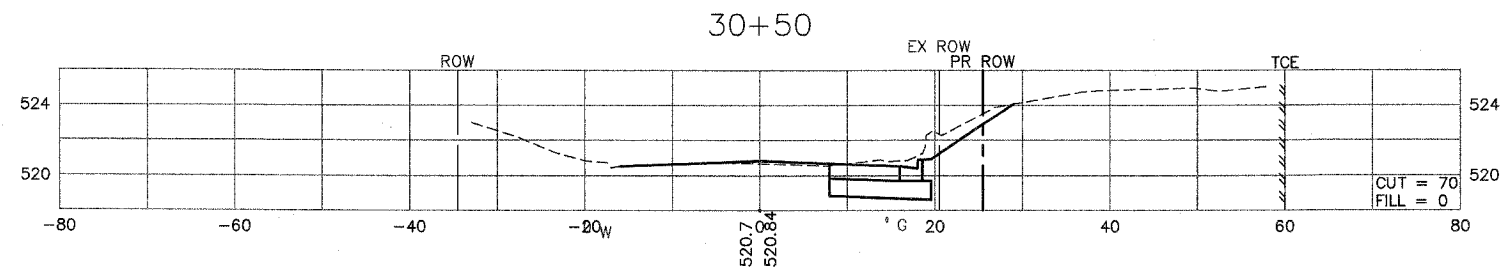
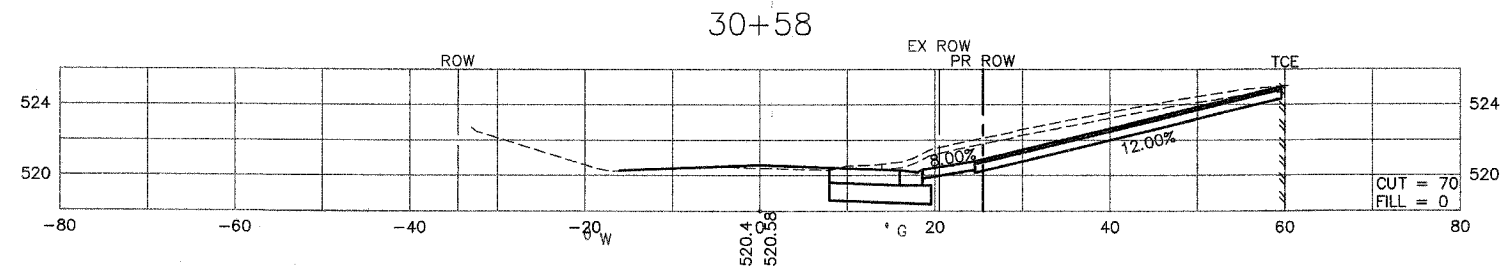
25+73



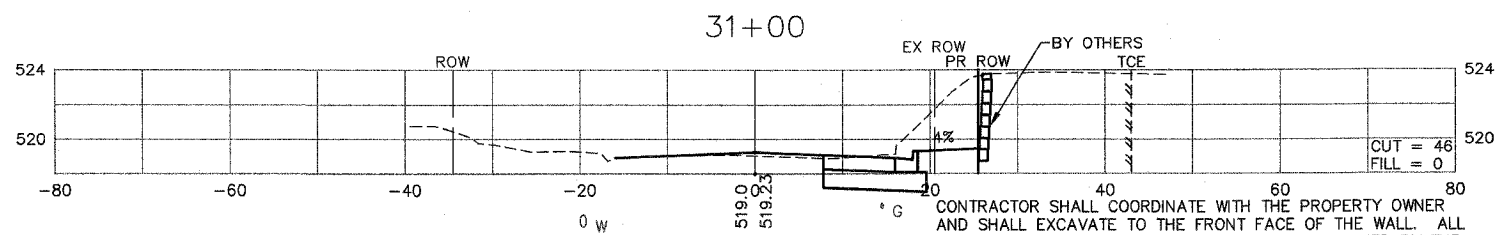
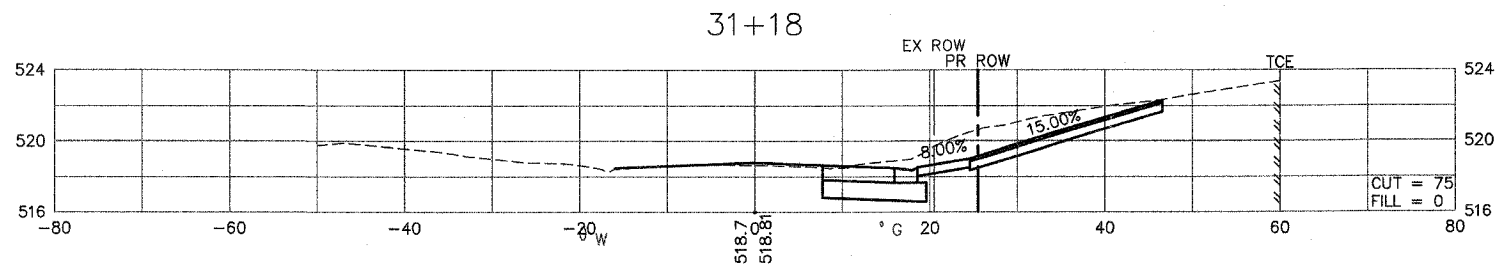
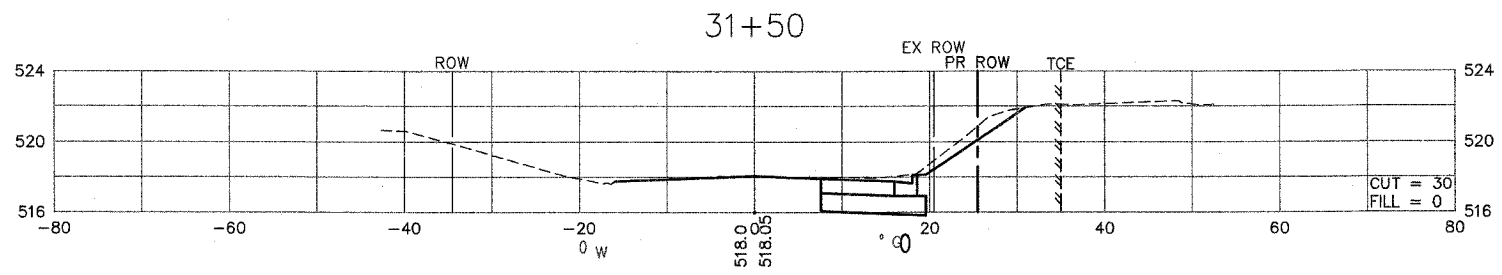
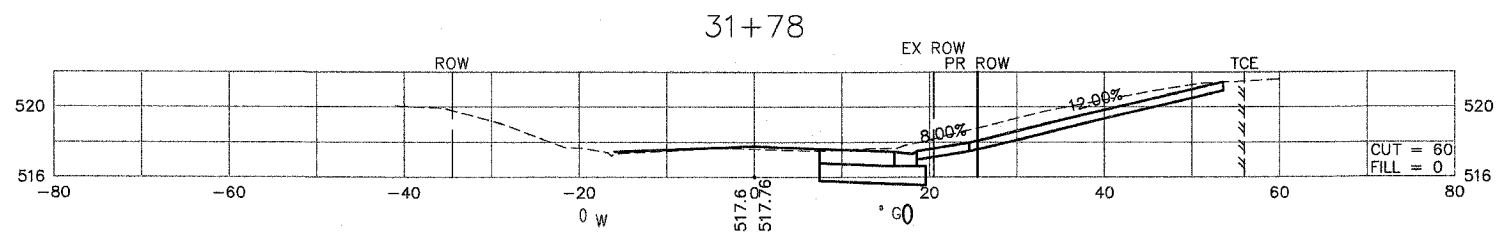
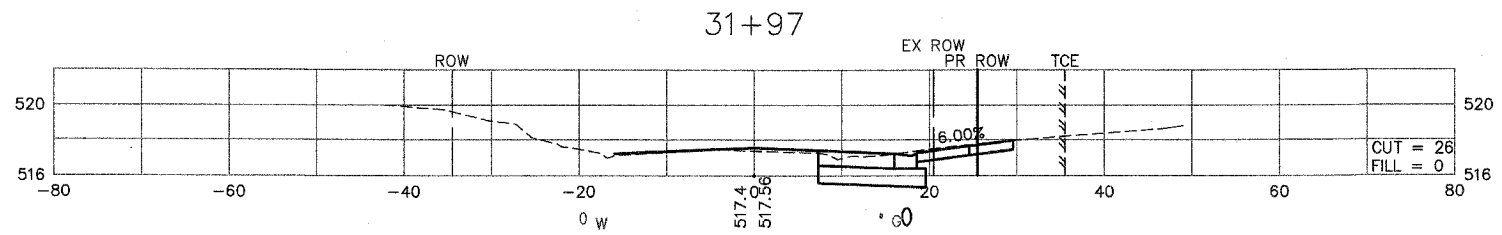
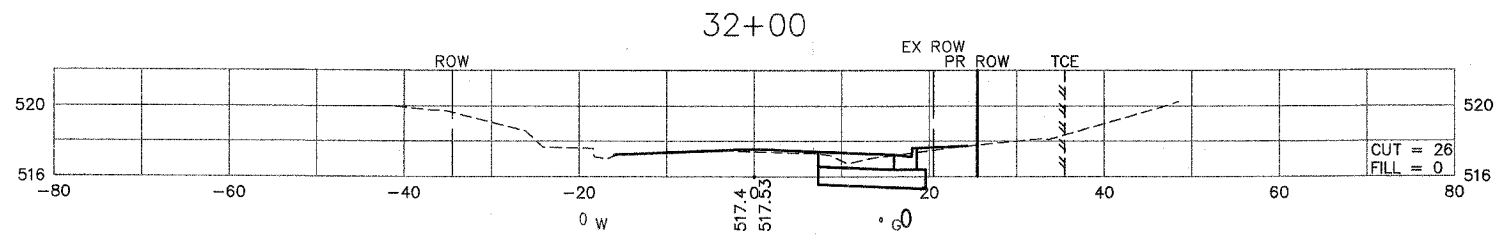
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	66
STA. 27+54 TO STA. 29+33				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CROSS SECTIONS				
CONTRACT NO.: 97324				



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	67
STA. 29+35 TO STA. 30+58				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CROSS SECTIONS				
CONTRACT NO.: 97324				

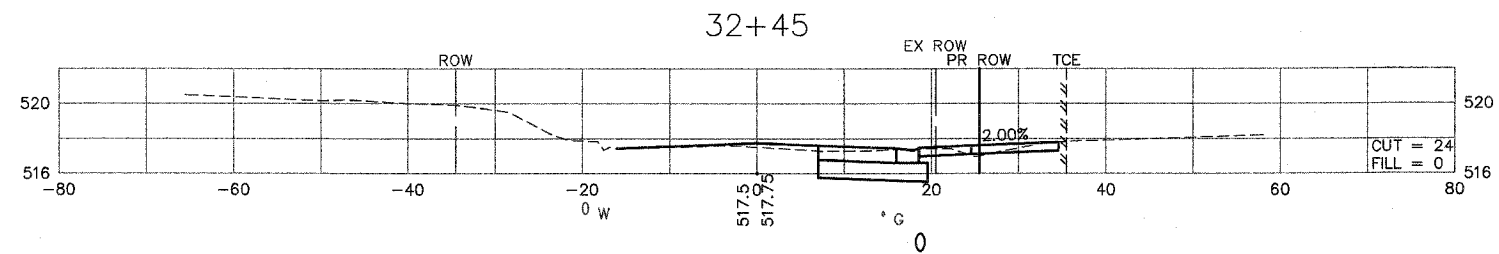
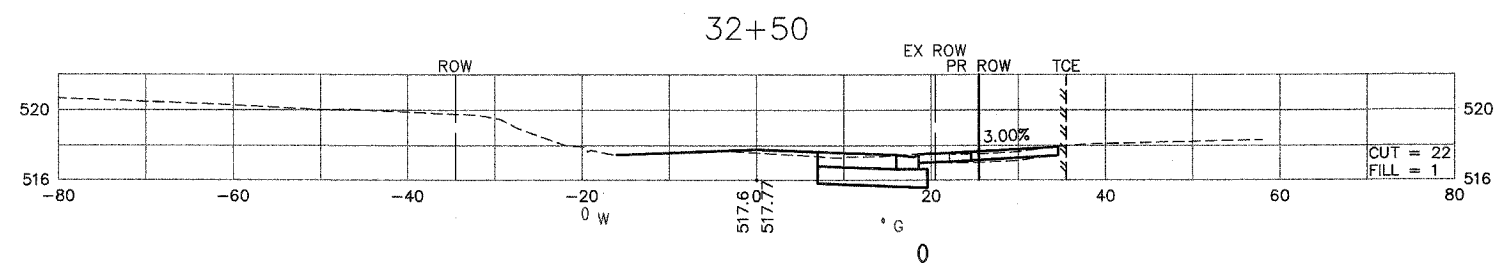
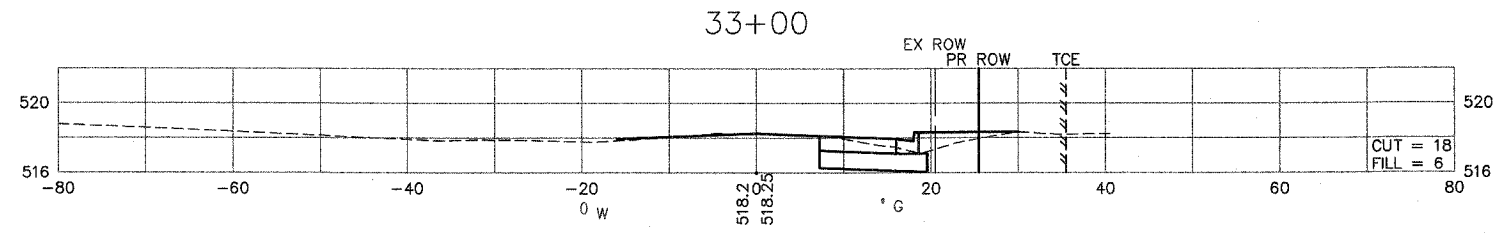
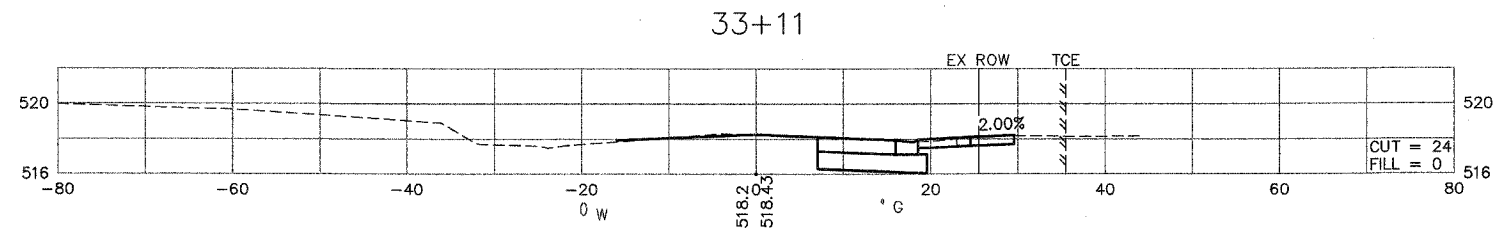
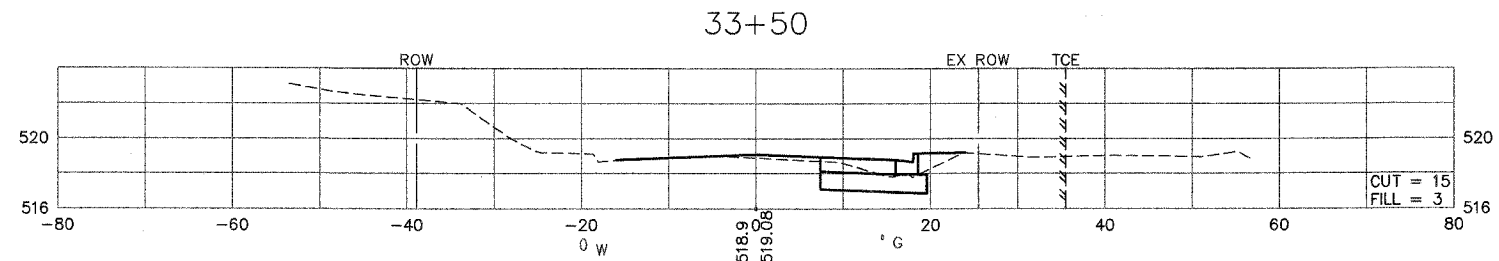
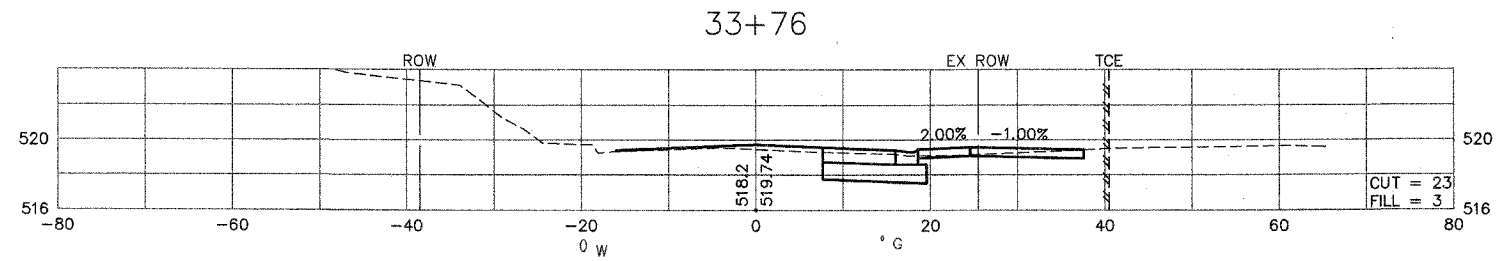


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	68
STA. 31+00		TO STA. 32+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CROSS SECTIONS				
CONTRACT NO.: 97324				

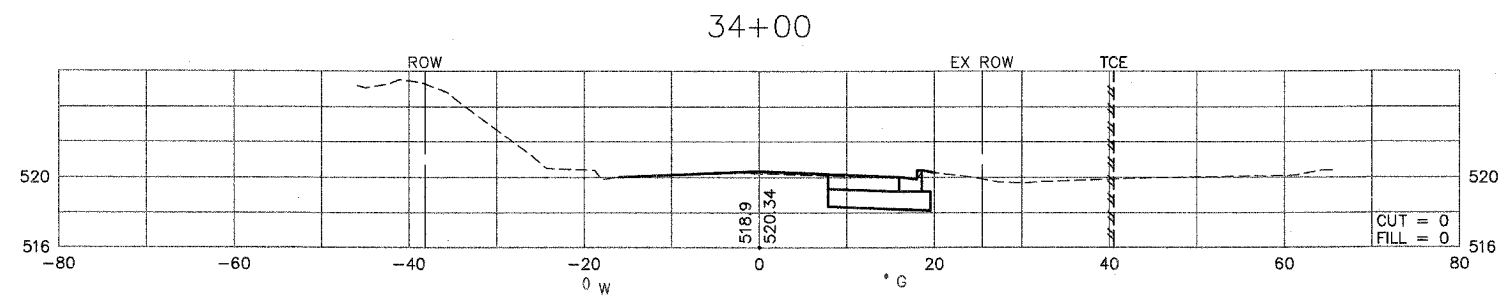
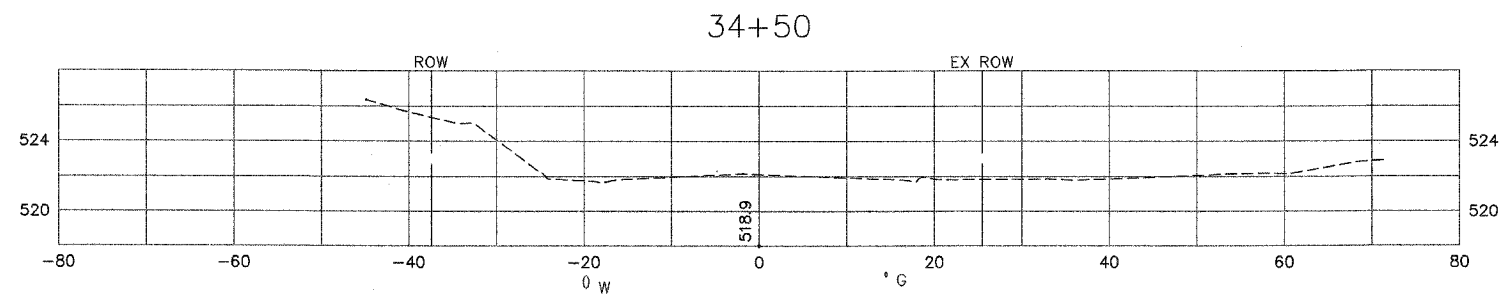


CONTRACTOR SHALL COORDINATE WITH THE PROPERTY OWNER AND SHALL EXCAVATE TO THE FRONT FACE OF THE WALL. ALL WORK BEYOND THE FRONT FACE SHALL BE PERFORMED BY THE ADJACENT PROPERTY OWNER.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	69
STA. 32+45 TO STA. 33+76				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CROSS SECTIONS				
CONTRACT NO.: 97324				

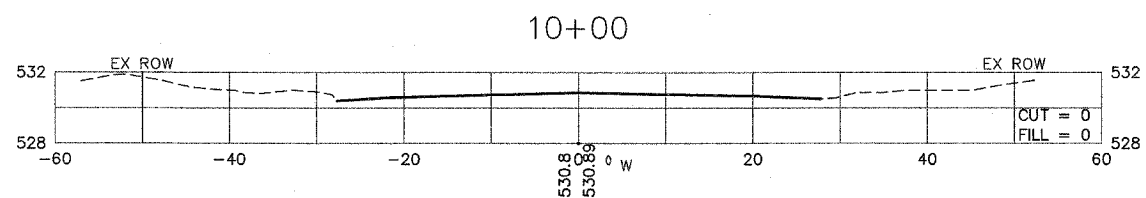
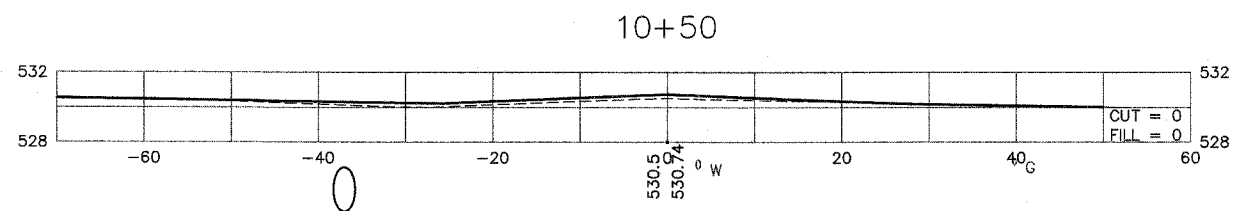
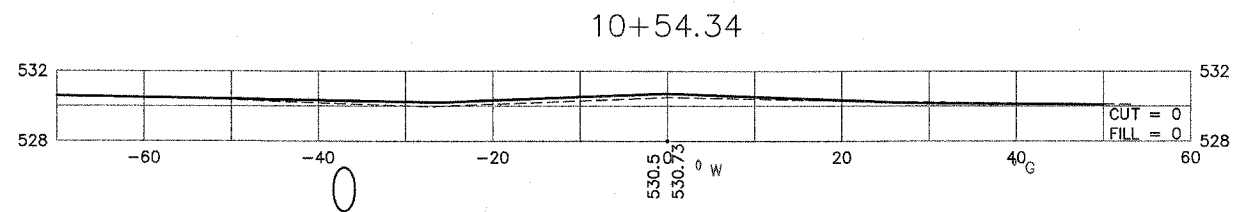
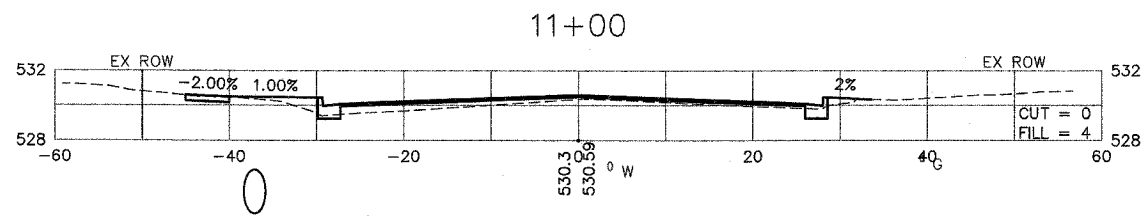
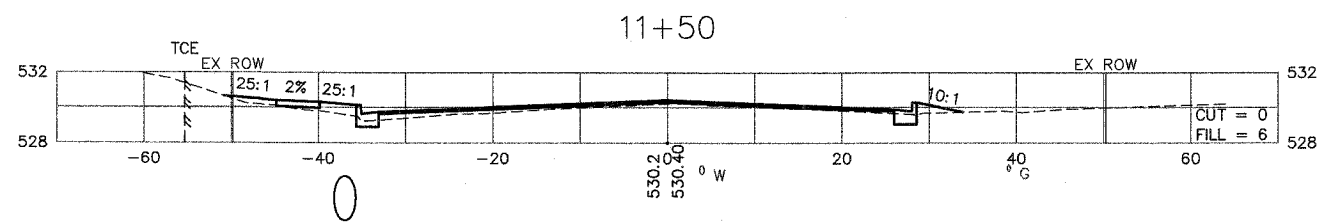
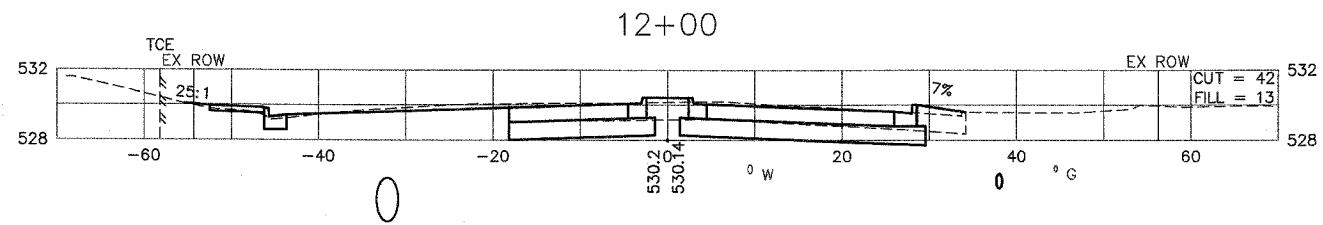
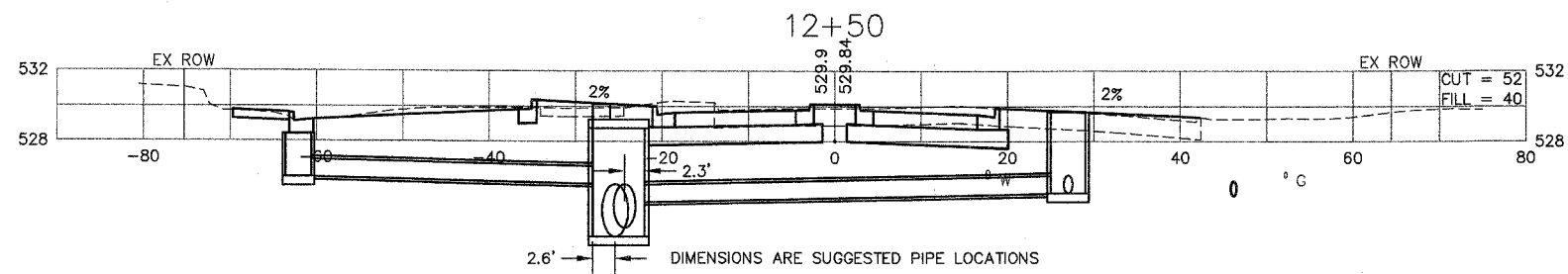


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
B852	06-00056-01-WR	MADISON	81	70
STA. 34+00		TO STA. 34+50		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CROSS SECTIONS				
CONTRACT NO.: 97324				



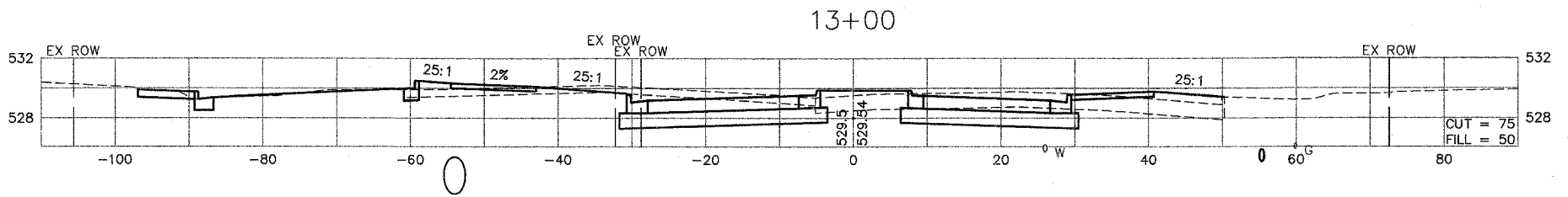
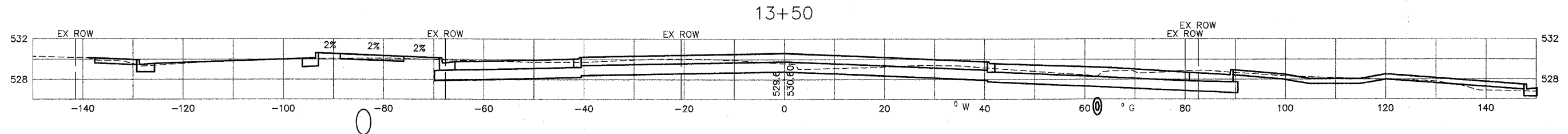
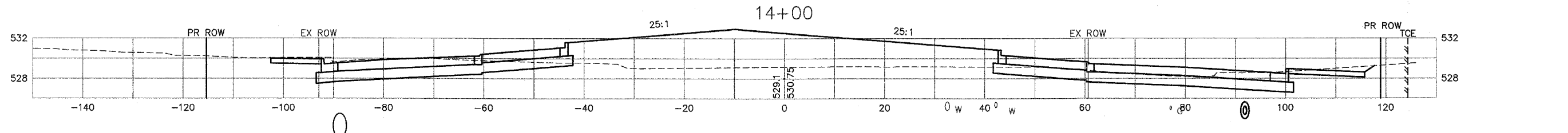
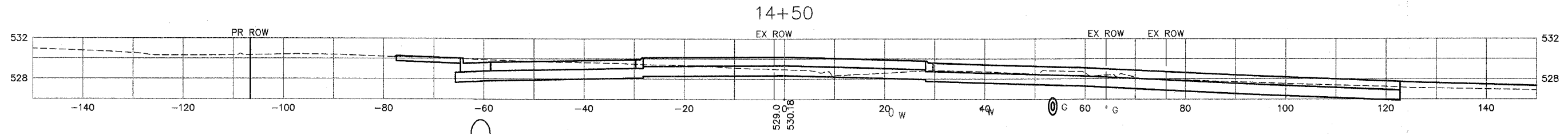
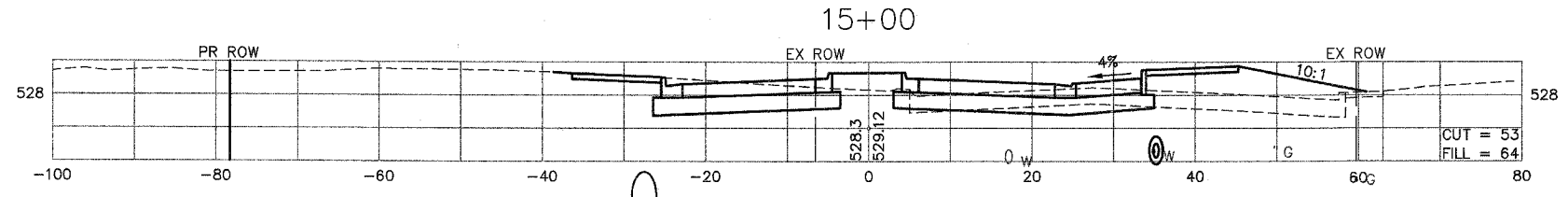
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	71
STA. 10+00 TO STA. 12+50				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CROSS SECTIONS				

CONTRACT NO.: 97324

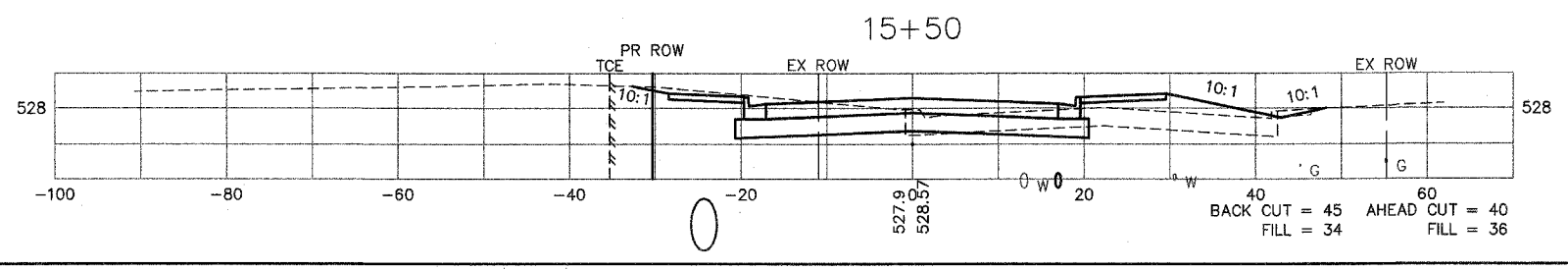
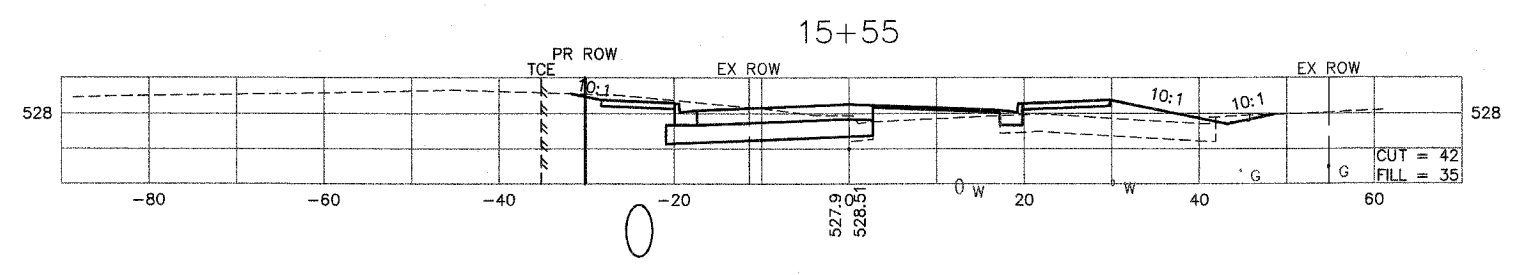
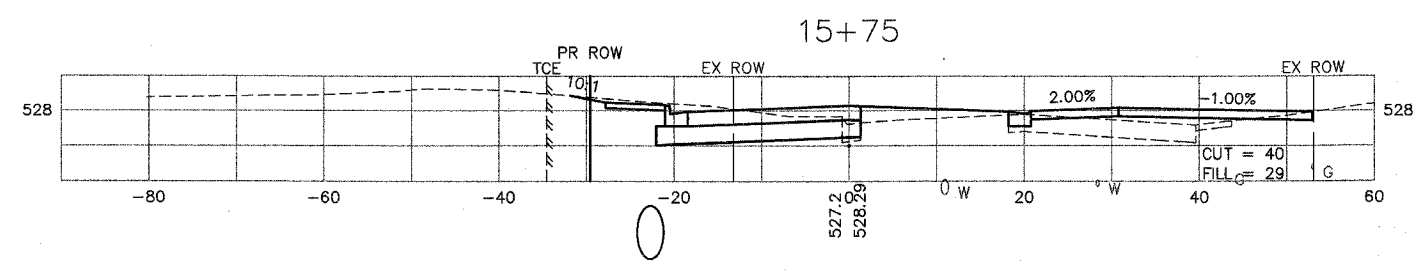
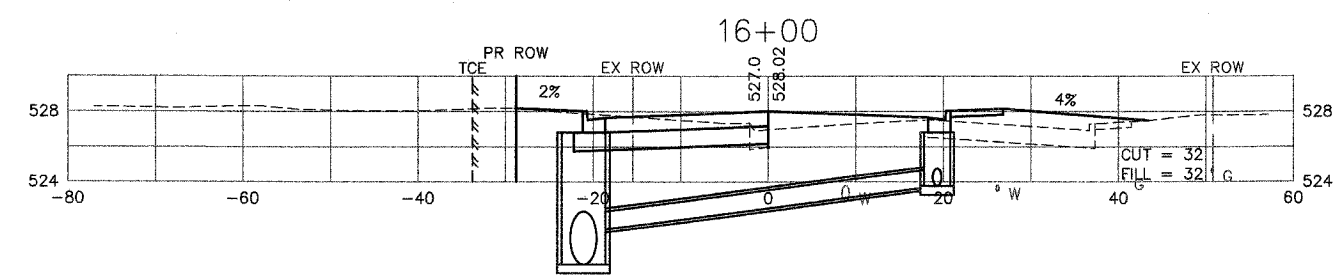
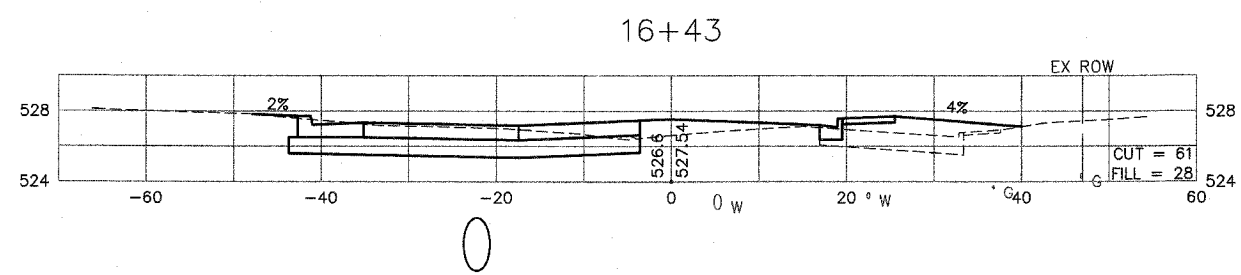
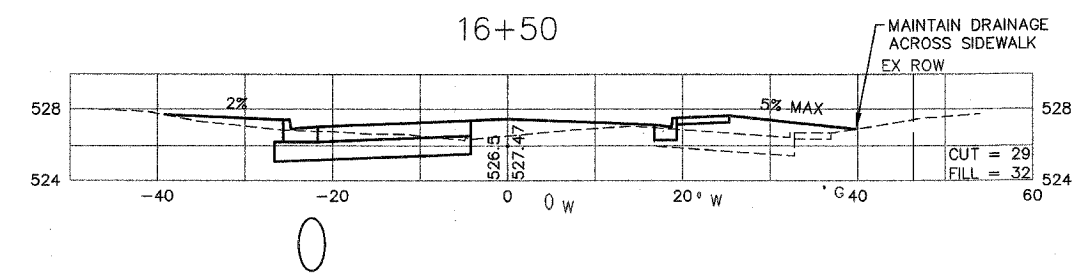


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	72
STA. 12+62 TO STA. 15+00				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CROSS SECTIONS				

CONTRACT NO.: 97324

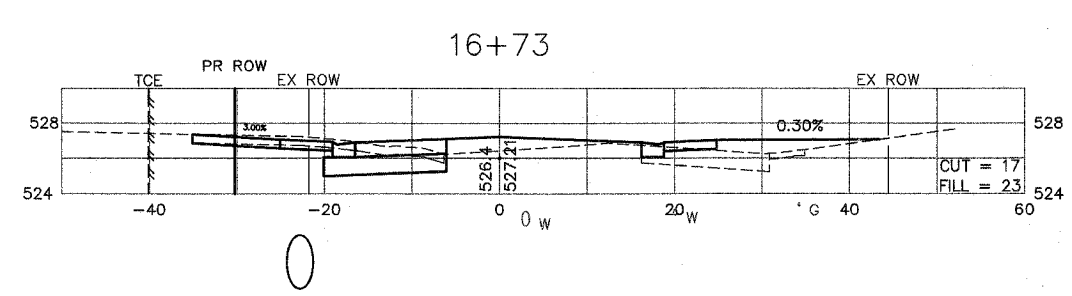
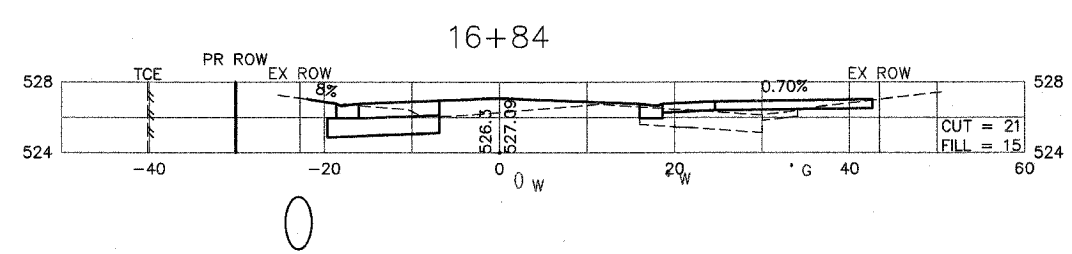
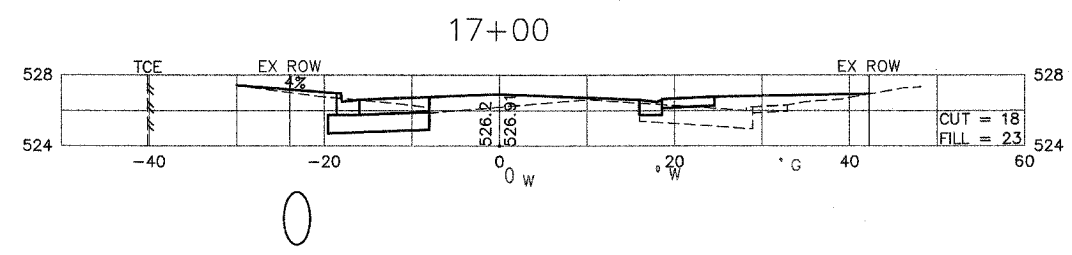
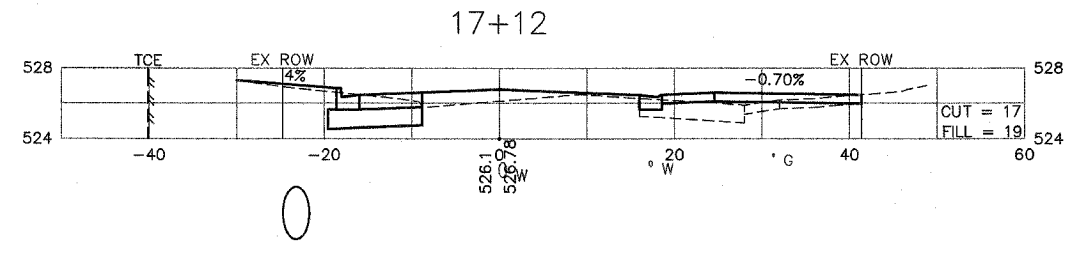
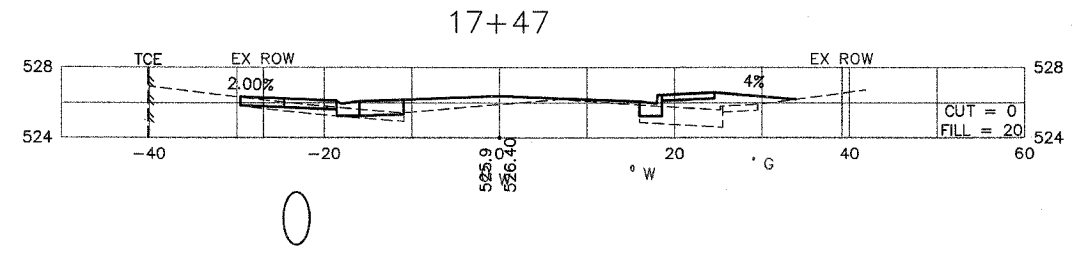
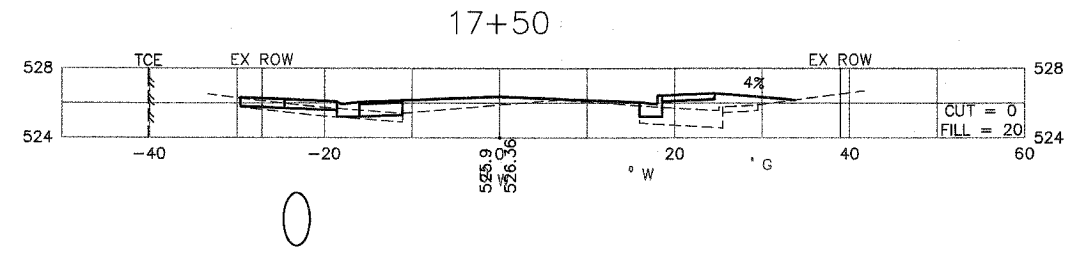


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	73
STA. 15+50		TO STA. 16+50		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CROSS SECTIONS				
CONTRACT NO.: 97324				

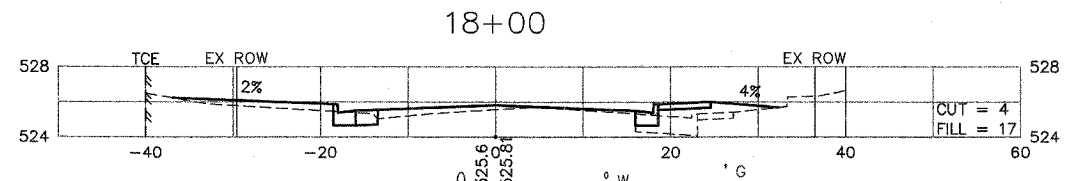
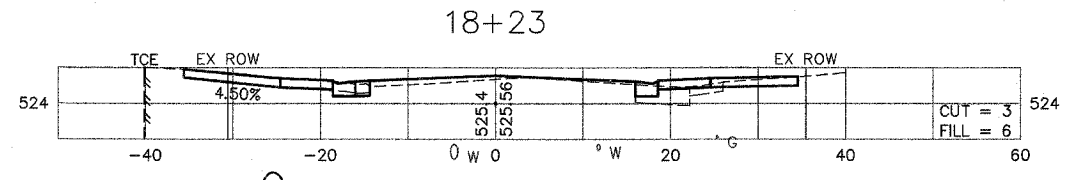
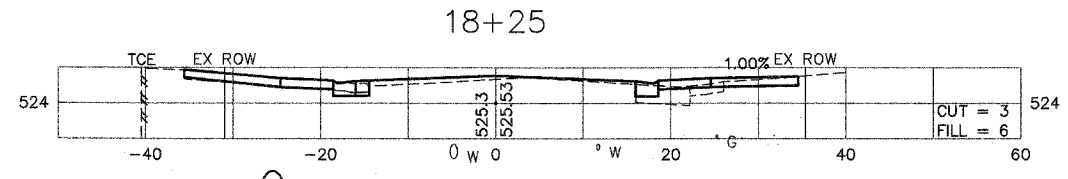
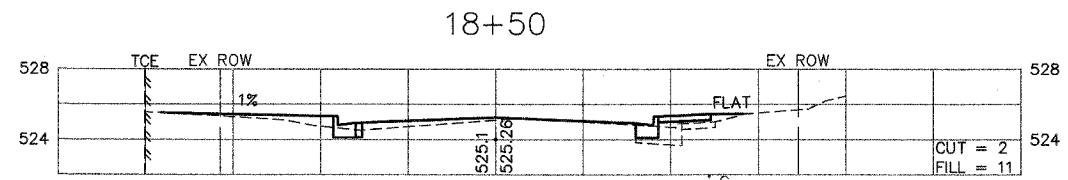
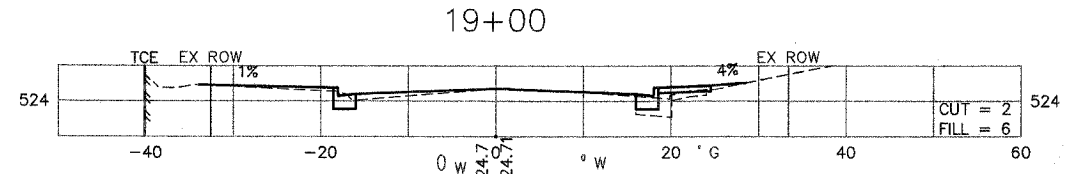
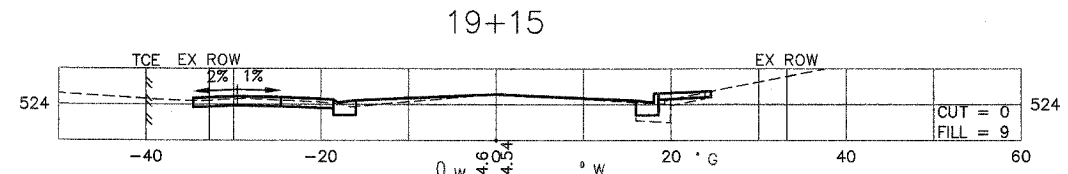


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
B852	06-00056-01-WR	MADISON	81	74
STA. 16+73 TO STA. 17+50				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CROSS SECTIONS				

CONTRACT NO.: 97324

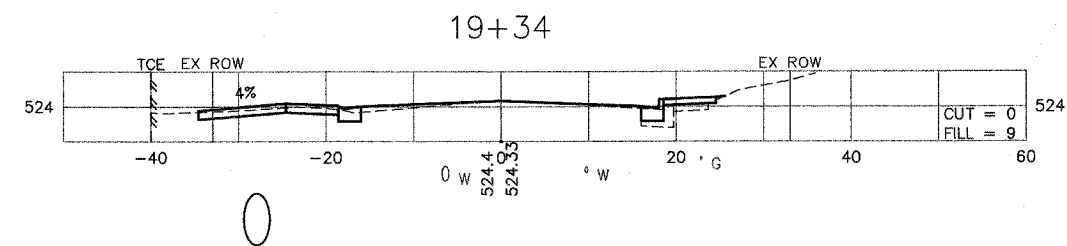
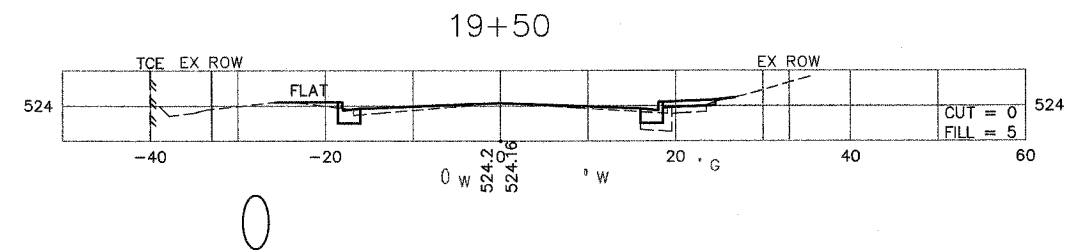
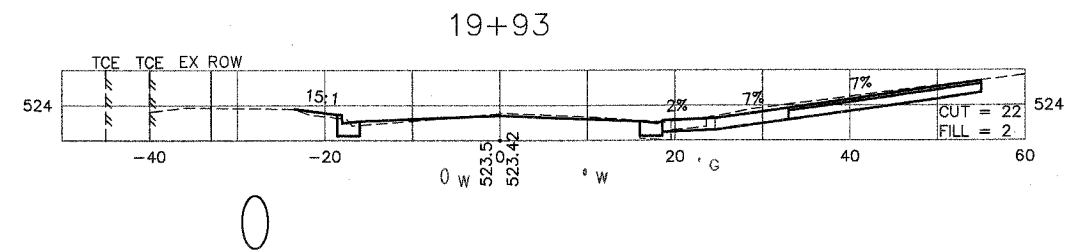
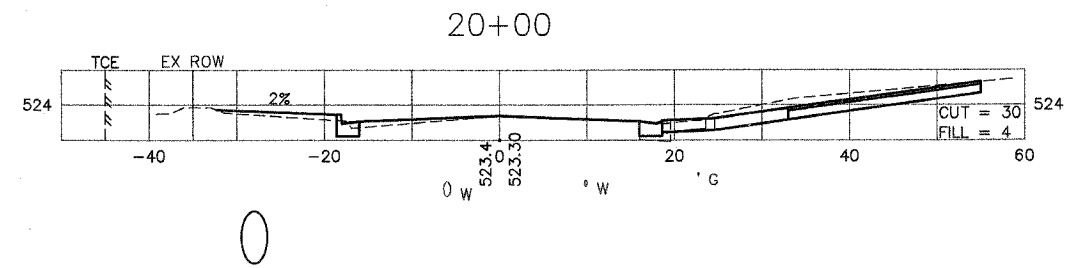
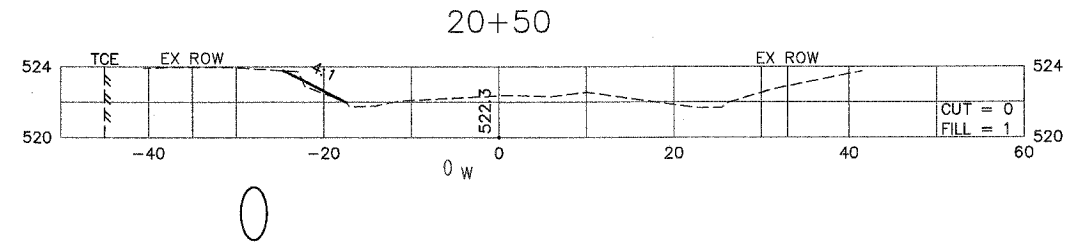
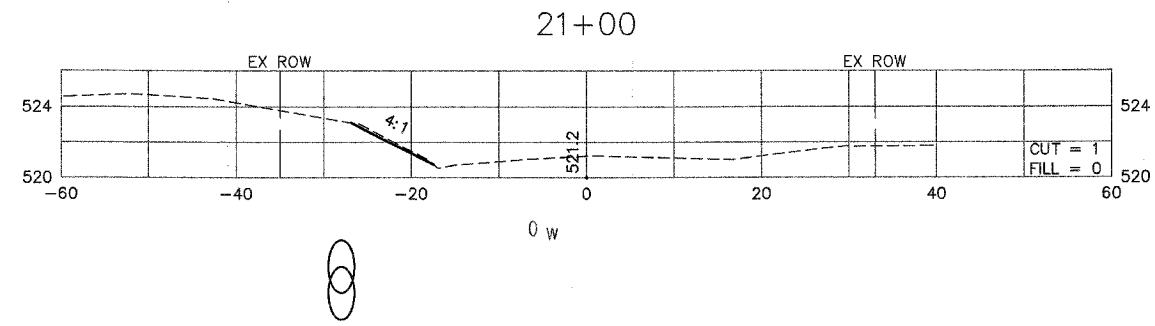


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	75
STA. 18+00 TO STA. 19+15				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CROSS SECTIONS				
CONTRACT NO.: 97324				



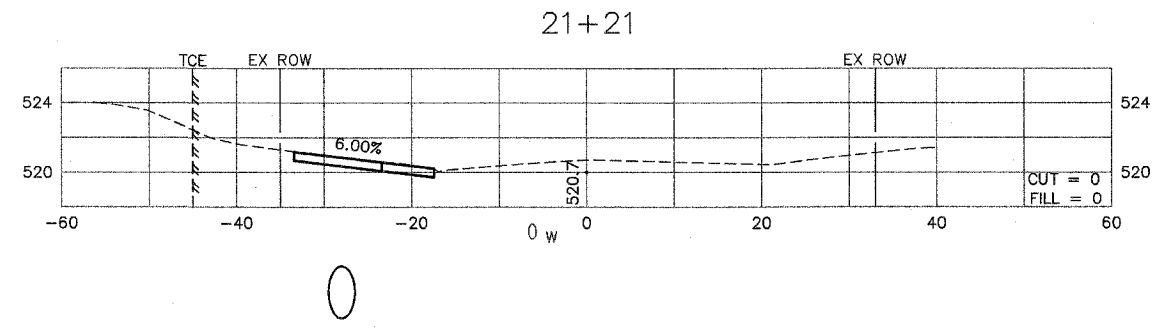
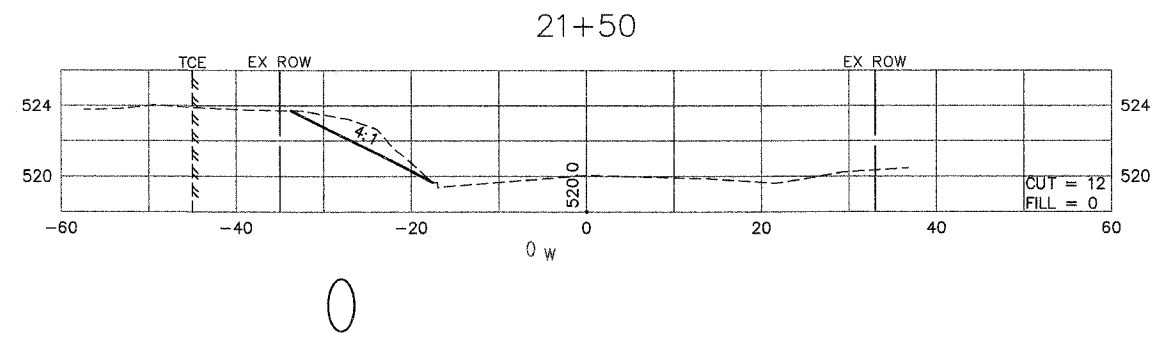
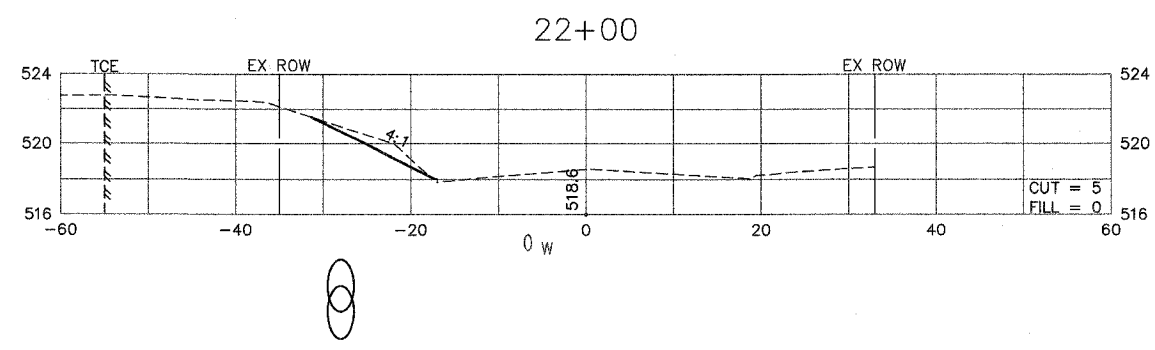
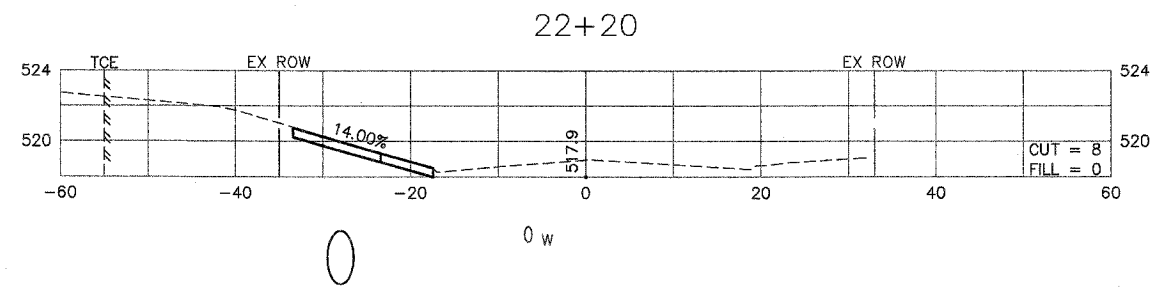
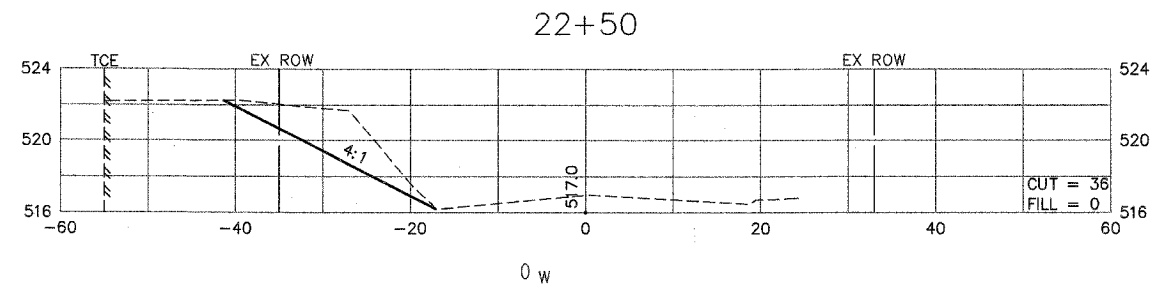
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
B852	06-00056-01-WR	MADISON	81	76
STA. 19+34		TO STA. 21+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CROSS SECTIONS				

CONTRACT NO.: 97324

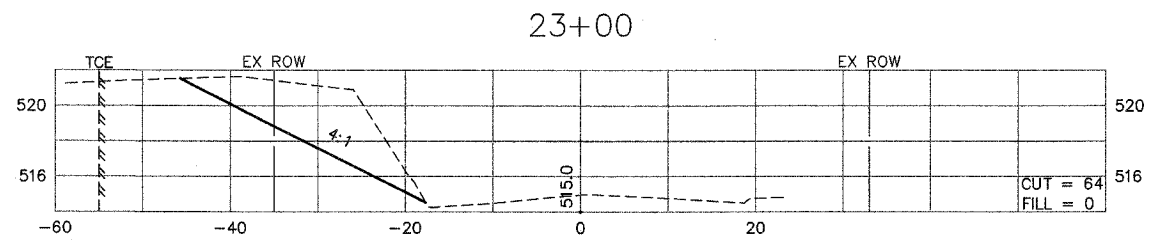
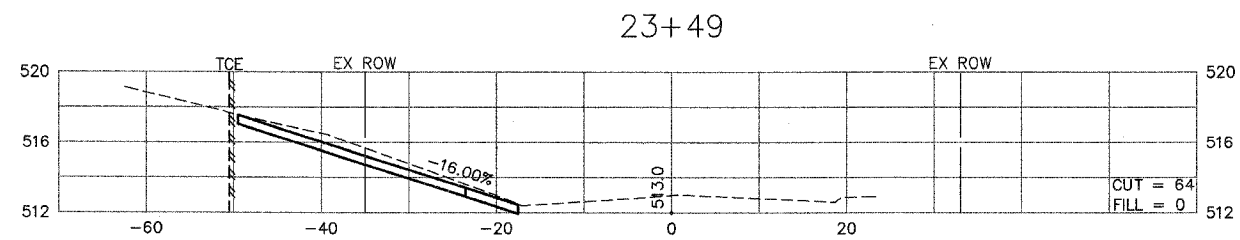
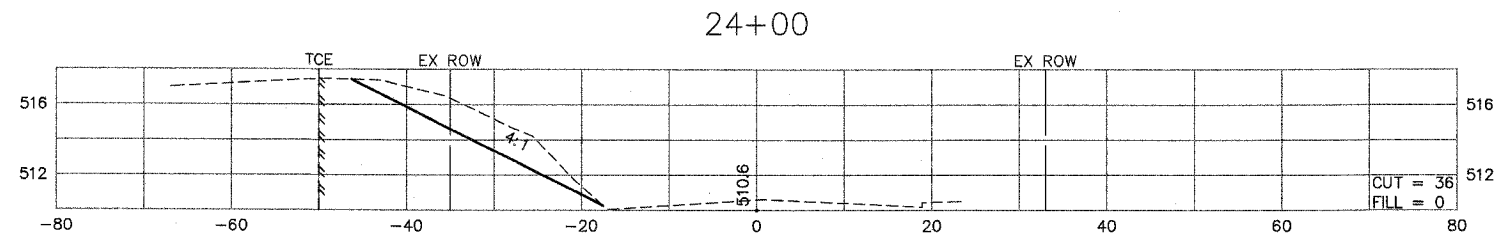


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	77
STA. 21+21		TO STA. 22+50		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CROSS SECTIONS				

CONTRACT NO.: 97324

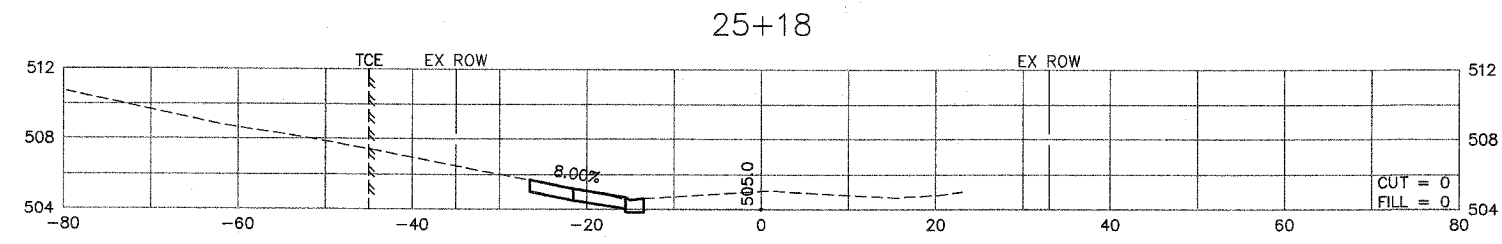


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	78
STA. 23+00		TO STA. 24+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CROSS SECTIONS				
CONTRACT NO.: 97324				

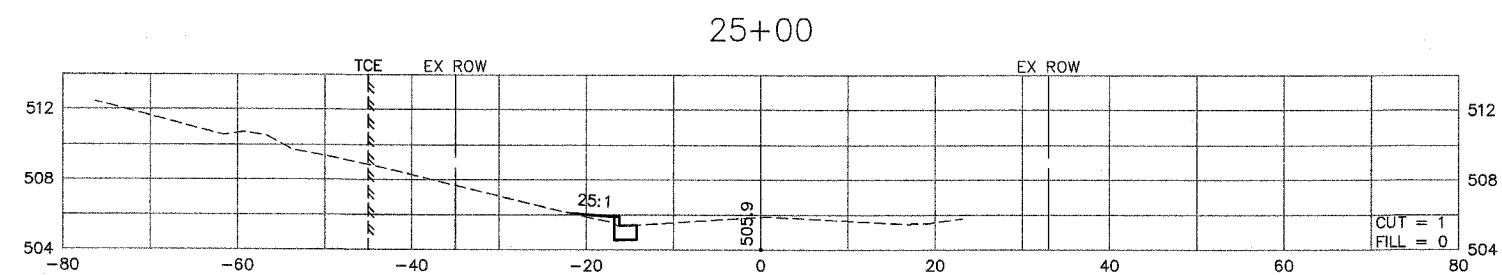


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
B852	06-00056-01-WR	MADISON	81	79
STA. 24+36 TO STA. 25+18				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CROSS SECTIONS				

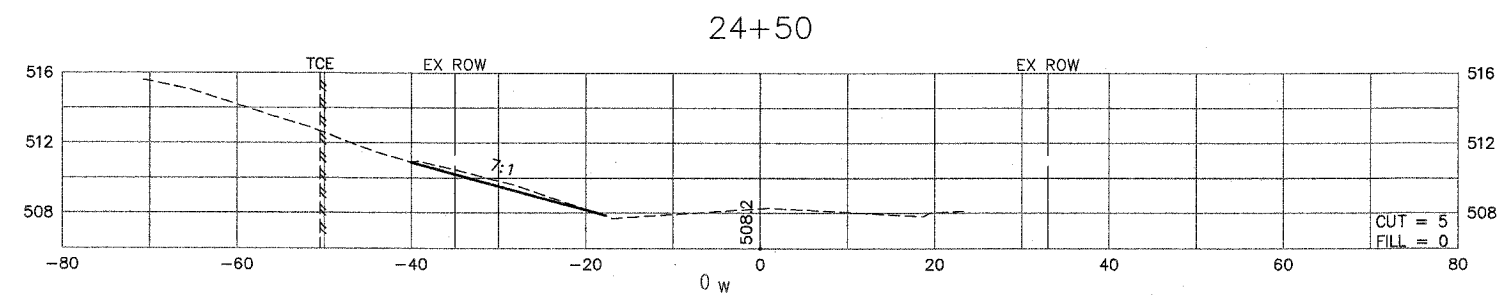
CONTRACT NO.: 97324



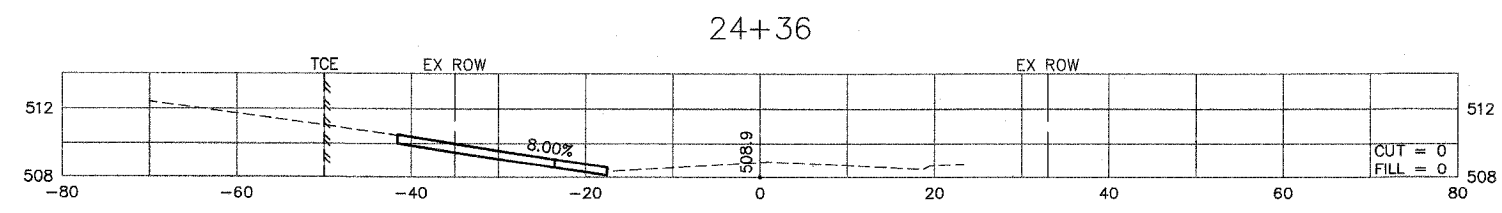
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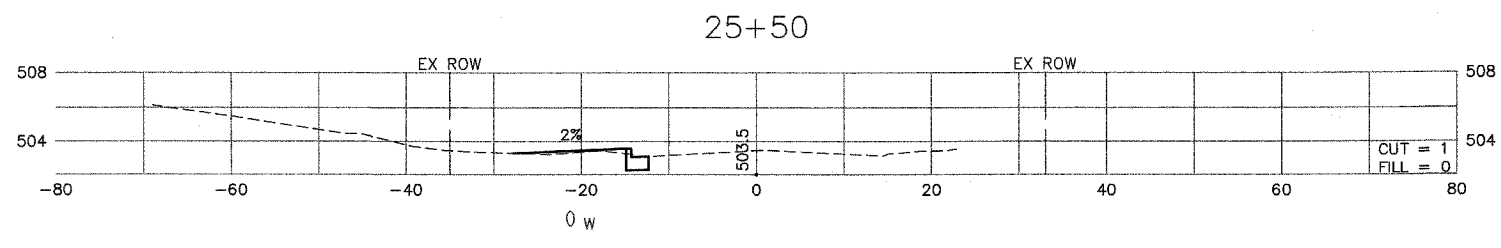
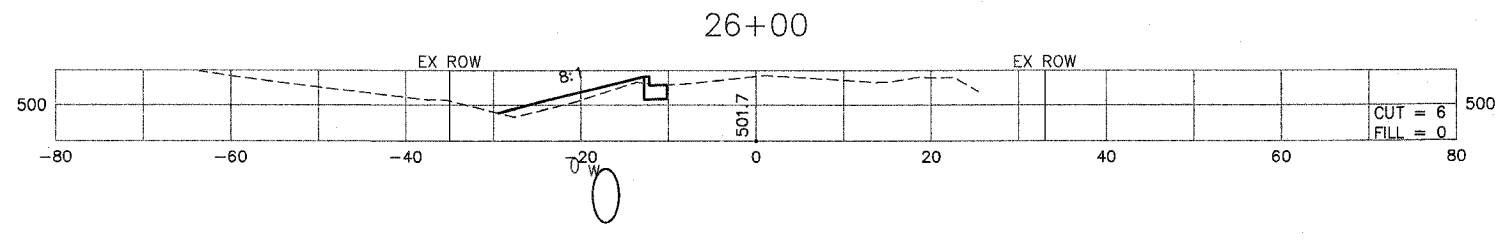
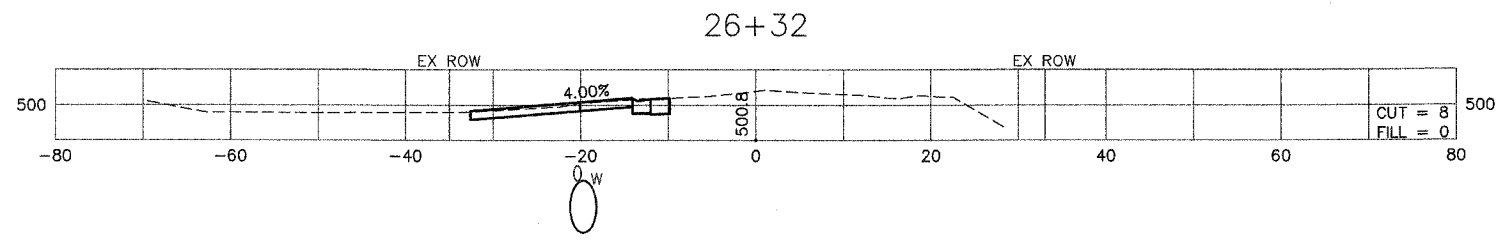
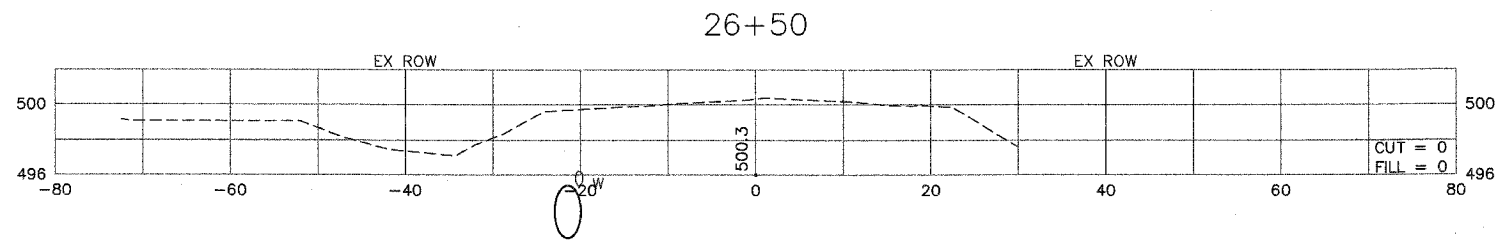
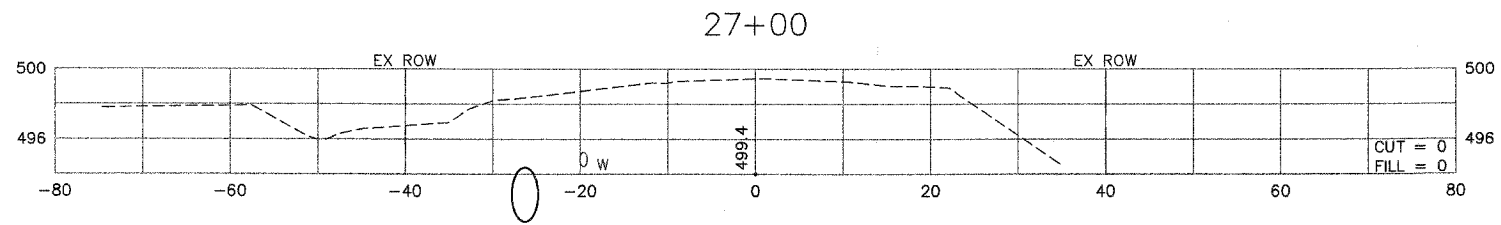
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8852	06-00056-01-WR	MADISON	81	80
STA. 25+50 TO STA. 27+00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CROSS SECTIONS				
CONTRACT NO.: 97324				



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
B852	06-00056-01-WR	MADISON	81	81
STA. 27+50	TO STA. 29+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CROSS SECTIONS
CONTRACT NO.: 97324

