

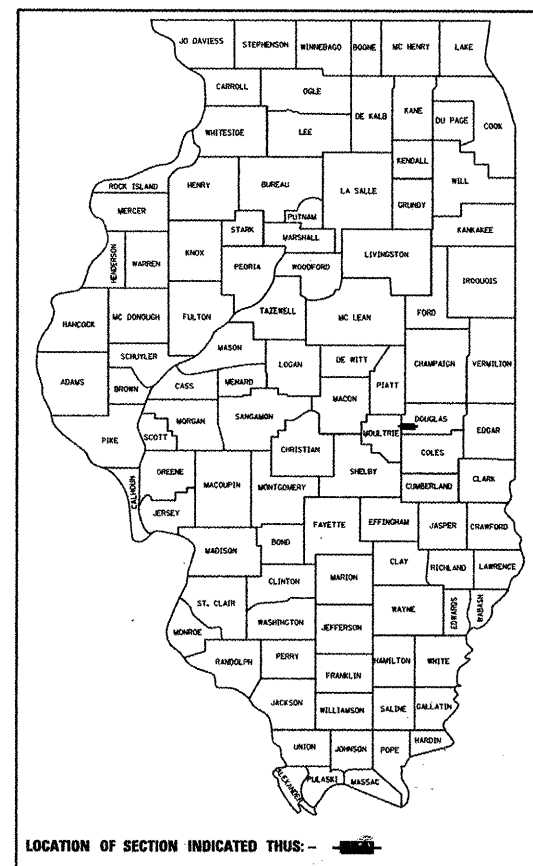
CONTRACT NO. 91379				
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
666	*	DOUGLAS	279	1
• 99-00080-00-RP				

INDEX OF SHEETS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
HIGHWAY PLANS

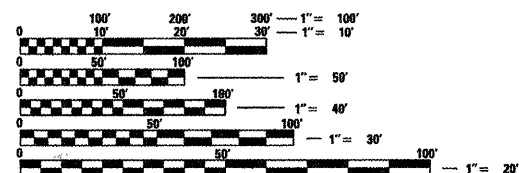
DOUGLAS COUNTY
CH 11 ROUTE (FAS 666)
SECTION 99-00080-00-RP
JOB NO. C-95-323-07
PROJECT NO. RS-666(106)



LOCATION OF SECTION INDICATED THUS: - [Symbol]

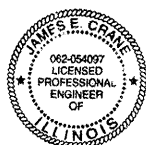
STANDARDS

SEE SHEET #2



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

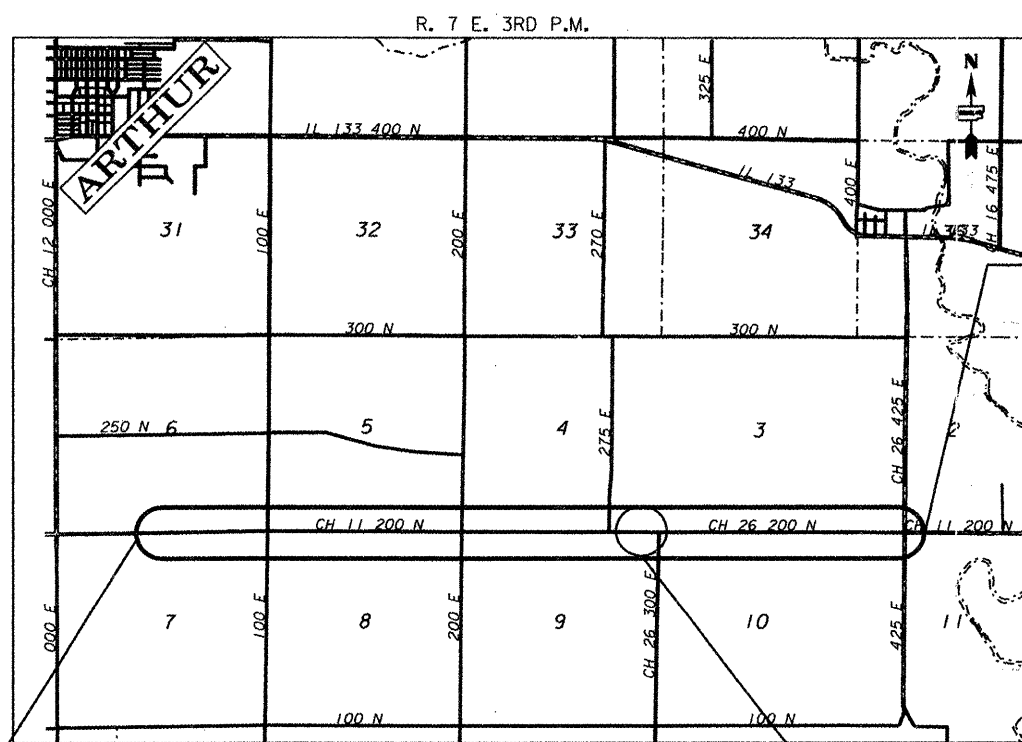
J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123



J.E.C.
 JAMES E. CRANE, P.E.
 REGISTERED PROFESSIONAL ENGINEER
 ILLINOIS NO. 054097 EXPIRES NOVEMBER 30, 2009

3/6/08
 DATE

CONTRACT NO. 91379



BEGIN CONSTRUCTION
21 + 00

DESIGN DESIGNATION - 1250 ADT
 FUNCTIONAL CLASSIFICATION - MAJOR COLLECTOR
 DESIGN SPEED - 50

PROPOSED STRUCTURE
021-4548

TOTAL LENGTH OF PROJECT = 21,100.65 FEET 3.996 MILES

END CONSTRUCTION
232 + 00.65

APPROVED	<i>Maren Co</i>	20 08
	<i>J. Crane</i>	COUNTY ENGINEER
PASSED	<i>3/17</i>	20 08
	<i>David A. Seal</i>	DISTRICT FIVE ENGINEER OF LOCAL ROADS & STREETS
Releasing For Bid Based on Limited Review	<i>3/18</i>	20 08
	<i>Joseph E. Lewis</i>	DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER
		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	2
FEDERAL DISTRICT NO. ...		ILLINOIS	PROJECT C-95-323-07	

SEE PROPOSAL DOCUMENTS FOR HIGHWAY STANDARD DRAWINGS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-01	AREAS OF REINFORCEMENT BARS
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
420401-06	BRIDGE APPROACH PAVEMENT
515001-02	NAME PLATE FOR BRIDGES
542301-01	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-01	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
602001	CATCH BASIN TYPE A
602011	CATCH BASIN TYPE C
602301-01	INLET TYPE A
602306-01	INLET TYPE B
602401-01	MANHOLE TYPE A
602601-01	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-01	MANHOLE STEPS
604001-02	FRAME AND LIDS TYPE 1
604006-03	FRAME AND GRATE TYPE 3
604036-01	GRATE TYPE B
606001-03	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001-07	STEEL PLATE BEAM GUARDRAIL
630301-04	SHOULDER WIDENING FRO TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631026-04	TRAFFIC BARRIER TERMINAL, TYPE 5
631031-06	TRAFFIC BARRIER TERMINAL, TYPE 6
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
667101	PERMANENT SURVEY MARKERS
701011-01	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-02	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701901	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
BLR 21-7	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE STATE OF ILLINOIS STANDARD SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2008. THESE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS, ARE BASED ON CAREFUL FIELD INVESTIGATION AND BEST INFORMATION AVAILABLE BUT THE LOCATIONS ARE NOT GARANTEED. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION. THE FOLLOWING UTILITY COMPANIES ARE KNOWN TO HAVE FACILITIES WITHIN THE PROJECT LIMITS;

Mr. Angelo Rosa
Illinois Consolidated Telephone Company
121 South 17th Street
Mattoon, IL 61938
(217) 235-3349

Mr. Dan Otto
West Prairie Water Company
751 E. Co Rd. 100N
Arcola, IL 61910
(217) 268-4417

Coles Moultrie Electric Cooperative
104 DeWitt Avenue East
Mattoon, IL 61938
(217) 235-0341

- WHERE SECTION OR SUB-SECTION MONUMENTS ARE UNCOUNTED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- TREES WITHIN THE RIGHT-OF-WAY WHICH INTERFERE WITH CONSTRUCTION AND LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED ONLY AT THE DIRECTION OF THE ENGINEER.
- THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT-OF-WAY AS DIRECTED BY THE ENGINEER.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

RIPRAP, SPECIAL	1.75 TON/CU YD
AGGREGATE MATERIALS	2.10 TON/CU YD
HMA ASPHALT	112 LB/SQ YD/INCH
LIME	45 LB/SQ YD
BITUMINOUS MATL(PRIME, COVER, & SEAL COAT)	0.40 GAL/ SQ YD
COVER & SEAL COAT AGGREGATE	25 LB/SQ YD
BITUMINOUS MATERIAL(FOG COAT)	0.05 GAL/SQ YD
- CONSTRUCTION STAKING SHALL BE PERFORMED BY DOUGLAS COUNTY FORCES. THE CONTRACTOR SHALL GIVE 48 HOURS NOTICE TO THE ENGINEER AS TO THE LOCATIONS AND WORK ITEM THAT IS NEEDED LAYED OUT.
- ALL LEVELING BINDER OR BINDER SHALL BE GIVEN A FOG COAT OF PRIME BEFORE THE SURFACE COURSE IS PLACED WHEN DIRECTED BY THE ENGINEER. THE FOG COAT SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER GALLON FOR BITUMINOUS MATERIAL (PRIME COAT) AND NO ADDITIONAL COMPENSATIONS WILL BE ALLOWED.

PAVEMENT DESIGN DATA, HMA PAVEMENT (FULL DEPTH), 6"			
STRUCTURAL DESIGN TRAFFIC:		YEAR <u>2019</u>	
PV=	<u>1144</u>	SU=	<u>91</u> MU= <u>65</u>
ROAD/STREET CLASSIFICATION:		FUNCTIONAL CLASSIFICATION <u>MAJOR COLLECTOR</u>	
		ROADWAY CLASSIFICATION <u>III</u>	
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:			
P=	<u>50%</u>	S=	<u>50%</u> M= <u>50%</u>
TRAFFIC FACTOR:		ACTUAL TF = <u>0.284</u>	
		MINIMUM TF = _____	
PG GRADE:	BINDER =	PG 64-22	SURFACE = PG 64-22
SUBGRADE SUPPORT RATING:			
SSR = FAJR		(STA. 21+00.00 TO 110+47.37)	
SSR = FAJR		(STA. 116+78.30 TO 229+81.65)	

PAVEMENT DESIGN DATA, HMA PAVEMENT (FULL DEPTH), 7 1/2"			
STRUCTURAL DESIGN TRAFFIC:		YEAR <u>2019</u>	
PV=	<u>1144</u>	SU=	<u>91</u> MU= <u>65</u>
ROAD/STREET CLASSIFICATION:		FUNCTIONAL CLASSIFICATION <u>MAJOR COLLECTOR</u>	
		ROADWAY CLASSIFICATION <u>III</u>	
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:			
P=	<u>50%</u>	S=	<u>50%</u> M= <u>50%</u>
TRAFFIC FACTOR:		ACTUAL TF = <u>0.351</u> (80,000 LB)	
		MINIMUM TF = _____	
PG GRADE:	BINDER =	PG 64-22	SURFACE = PG 64-22
SUBGRADE SUPPORT RATING:			
SSR = POOR		(STA.110+47.37 TO 116+78.30)	

GENERAL NOTES			
Revisions		Surveyed: DLE	FAS ROUTE 666 (CH 11) DOUGLAS COUNTY, ILLINOIS
No.	DATE	Designed: JEC	
1		Drawn: JEC	DOUGLAS COUNTY HIGHWAY DEPARTMENT TUSCOLA, ILLINOIS
2		Checked: ---	
3		Approved: JEC	
4			
5			
Job No.:	NA	Date:	1/08

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	3
FEDERAL DISTRICT	ILLINOIS	PROJECT	C-95-323-07	

SUMMARY OF QUANTITIES									
Item #	Pay Item #	Pay Item Description	Unit	Quantity	Item #	Pay Item #	Pay Item Description	Unit	Quantity
1	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	109	60	54207159	PIPE CULVERT, TYPE 1, RCCP ELLIPTICAL, EQUIVALENT ROUND SIZE, 24"	FOOT	632
2	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	157	61	54207165	PIPE CULVERT, TYPE 1, RCCP ELLIPTICAL, EQUIVALENT ROUND SIZE, 30"	FOOT	256
3	20200100	EARTH EXCAVATION	CU YD	29,900	62	54213675	PRECAST REINFORCED CONCRETE FLARED END SECTION, 30"	EACH	2
4	20300100	CHANNEL EXCAVATION	CU YD	135	63	54214503	PRECAST REINFORCED CONCRETE FLARED END SECTION-EQUIVULANT ROUND SIZE, 18"	EACH	4
5	20400800	FURNISHED EXCAVATION	CU YD	7,050	64	54214509	PRECAST REINFORCED CONCRETE FLARED END SECTION-EQUIVULANT ROUND SIZE, 24"	EACH	18
6	20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	78	65	54214515	PRECAST REINFORCED CONCRETE FLARED END SECTION-EQUIVULANT ROUND SIZE, 30"	EACH	8
7	20800150	TRENCH BACKFILL	CU YD	1,327	66	55019500	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 12"	FOOT	1,119
8	21301072	EXPLORATION TRENCH 72" DEPTH	FOOT	5,280	67	55019600	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 15"	FOOT	348
9	25000200	SEEDING, CLASS 2	ACRE	22	68	55019700	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 18"	FOOT	166
10	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1,944	69	60101705	PIPE DRAINS 6" (SPECIAL)	FOOT	3,295
11	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1,944	70	60101905	PIPE DRAINS 10" (SPECIAL)	FOOT	1,942
12	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1,944	71	60102005	PIPE DRAINS 12" (SPECIAL)	FOOT	8,386
13	25100115	MULCH, METHOD 2	ACRE	22	72	60102105	PIPE DRAINS 15" (SPECIAL)	FOOT	1,917
14	28000300	TEMPORARY DITCH CHECKS	EACH	90	73	60109580	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	106
15	28000400	PERIMETER EROSION BARRIER	FOOT	5,167	74	60200805	CATCH BASINS, TYPE A, 4' DIA, TYPE B GRATE	EACH	1
16	28000500	INLET AND PIPE PROTECTION	EACH	33	75	60207605	CATCH BASINS, TYPE C, TYPE B GRATE	EACH	12
17	28100210	STONE RIPRAP, CLASS A5 (SPECIAL)	TON	675	76	60218400	MANHOLES, TY A, 4' DIA, TYPE 1 FRAME CLOSED LID	EACH	5
18	30200650	PROCESSING MODIFIED SOIL, 12"	SO YD	99,138	77	60240210	INLETS, TYPE B, TYPE 1 FRAME OPEN LID	EACH	2
19	30201500	LIME	TON	2,231	78	60240215	INLETS, TYPE B, TYPE 1 FRAME CLOSED LID	EACH	5
20	31100100	SUB-BASE GRANULAR MATERIAL, TYPE A	TON	12,289	79	60240301	INLETS, TYPE B, TYPE B GRATE	EACH	5
21	35100100	AGGREGATE BASE COURSE, TYPE A	TON	2,828	80	60240800	INLETS, TYPE C, TYPE 3 FRAME AND GRATE	EACH	4
22	35101400	AGGREGATE BASE COURSE, TYPE B	TON	2,610	81	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6,24	FOOT	1,396
23	35600900	HOT-MIX ASPHALT BASE COURSE WIDENING	TON	19	82	63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	2
24	40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	124	83	63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2
25	40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	14,824	84	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)	EACH	3
26	40300300	BITUMINOUS MATERIALS (COVER & SEAL COATS)	GALLON	29,648	85	67000400	ENGINEER'S FIELD OFFICE, TY A	CAL MO	12
27	40300500	COVER COAT AGGREGATE	TON	463	86	67100100	MOBILIZATION	L SUM	1
28	40300600	SEAL COAT AGGREGATE	TON	463	87	70101800	TRAFFIC CONTROL & PROTECTION (SPECIAL)	L SUM	1
29	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2,819	88	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	55,665
30	40600625	LEVEL BINDER (MACHINE METHOD), N50	TON	107	89	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	271
31	40600982	HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT	SQ YD	369	90	78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	317
32	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	280	91	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	270
33	40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	408	92	78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	2
34	40701801	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6"	SQ YD	48,705	93	54200217	PIPE CULVERTS, CLASS D, TYPE 1, 12"	FOOT	234
35	40701831	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7 1/2"	SQ YD	2,017	94	54200220	PIPE CULVERTS, CLASS D, TYPE 1, 15"	FOOT	1,226
36	40800050	INCIDENTAL HOT-MIX ASPHALT ASPHALT SURFACING	TON	426	95	54200223	PIPE CULVERTS, CLASS D, TYPE 1, 18"	FOOT	126
37	40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2,982	96	54200226	PIPE CULVERTS, CLASS D, TYPE 1, 21"	FOOT	70
38	42001165	BRIDGE APPROACH PAVEMENT	SQ YD	260	97	54200229	PIPE CULVERTS, CLASS D, TYPE 1, 24"	FOOT	60
39	48101200	AGGREGATE SHOULDERS, TYPE B	TON	142	98	54200235	PIPE CULVERTS, CLASS D, TYPE 1, 30"	FOOT	116
40	48203105	HOT-MIX ASPHALT SHOULDERS, (SPECIAL)	TON	941	99	54200241	PIPE CULVERTS, CLASS D, TYPE 1, 36"	FOOT	56
41	50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	100	54205473	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	324
42	50105220	CULVERT REMOVAL	FOOT	2,027	101	54205479	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	88
43	50200100	STRUCTURE EXCAVATION	CU YD	122	102	54205485	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 30"	FOOT	124
44	50300225	CONCRETE STRUCTURES	CU YD	31	103	54205491	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 36"	FOOT	98
45	50300255	CONCRETE SUPERSTRUCTURES	CU YD	117	104	X0301232	SURVEY MARKER VAULTS	EACH	8
46	50300260	BRIDGE DECK GROOVING	SQ YD	296	105	Z0030900	INSPECTION WELLS	EACH	15
47	50300300	PROTECTIVE COAT	SQ YD	373					
48	50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1					
49	50500505	STUD SHEAR CONNECTORS	EACH	1,575					
50	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	29,990					
51	50800515	BAR SPLICERS	EACH	78					
52	51200958	FURNISHING METAL SHELL PILES 14" X 0.250	FOOT	533					
53	51202305	DRIVING PILES	FOOT	533					
54	51203200	TEST PILE METAL SHELLS	EACH	1					
55	51500100	NAME PLATES	EACH	1					
56	52100520	ANCHOR BOLTS, 1"	EACH	20					
57	54248515	CONCRETE COLLAR	EACH	2					
58	54200433	PIPE CULVERTS, TYPE 1 RCCP 18"	FOOT	248					
59	54207153	PIPE CULVERT, TYPE 1, RCCP ELLIPTICAL, EQUIVALENT ROUND SIZE, 18"	FOOT	112					

PREPARED BY: JEC
CHECKED BY: GD

Δ Specialty Items

5/8/2008

SUMMARY QUANTITIES			
Revisions	Surveyed:	DLE	FAS ROUTE 666 (CH 11) DOUGLAS COUNTY, ILLINOIS DOUGLAS COUNTY HIGHWAY DEPARTMENT TUSCOLA, ILLINOIS
1 5/8/08	JEC	Designed: JEC	
2 5/07/08	JEC	Drawn: JEC	
3 5/08/08	JEC	Checked: ---	
4		Approved: JEC	
5			
6			
Job No.:	NA	Date:	1/08

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	8
FEDERAL DISTRICT NO.	ILLINOIS	PROJECT	C-95-323-07	

PAVEMENT MARKING SCHEDULE										
STATION	TO STATION	LENGTH (FOOT)	78000200		78000650		78000910		78001005	
			THERMOPLASTIC PAVEMENT MARKING - 4" LINE WHITE (FOOT)	THERMOPLASTIC PAVEMENT MARKING - 4" LINE YELLOW (FOOT)	THERMOPLASTIC PAVEMENT MARKING - 24" LINE WHITE (FOOT)	EPOXY PAVEMENT MARKING - LINE 4" YELLOW (FOOT)	EPOXY PAVEMENT MARKING - LINE 4" WHITE (FOOT)	RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER) (EACH)	RAISED REFLECTIVE PAVEMENT MARKER (GRID) (TWO-WAY AMBER) (EACH)	
CH 11 (2008)										
21+00.00	161+72.00	14072	28144	5628.8			180			
161+72.00	161+94.00	132							2	
163+04.00	228+41.47	6537.47	13074.94	2614.988			82			
228+41.47	229+91.47	150	300		15.25		4			
230+71.47	232+21.48	150.01	300.02	300.02	15.72		4			
100E										
203+95.33	204+71.09	115.76	373	231.52	37.04					
205+20.09	206+71.59	151.5	450	303	37.73					
200E										
304+28.66	305+35.49	106.83	327	213.66	29.51					
305+84.49	306+91.70	107.21	336	214.42	29.39					
275E										
405+84.50	406+92.03	107.53	336	215.06	25.94					
300E										
129+75.14	131+75.14	200	566	400	38.08					
425E										
49+50.00	50+48.23	98.23	290	196.46	19.91					
51+07.23	52+42.28	135.05	280	270.1	22.29					
SUBTOTAL			44776.96	10888.028	270.86	264	52.8	270	2	
TOTAL QUANTITY			55665		271	317		270	2	

PREPARED BY: JEC
CHECKED BY: GO
3/5/2008

LANDSCAPING SCHEDULE												
STATION	TO STATION	AREA (SQ FT)	25000200				25000400		25000600		25001015	
			SEEDING CLASS 2 (ACRE)	NITROGEN FERTILIZER NUTRIENT (POUND)	PHOSPHORUS FERTILIZER NUTRIENT (POUND)	POTASSIUM FERTILIZER NUTRIENT (POUND)	MULCH METHOD 2 (ACRE)					
21+00.00	57+35.48	114,000	2.62	235.54	235.54	235.54	2.62					
57+35.48	110+00.00	228,628	5.25	472.37	472.37	472.37	5.25					
110+00.00	150+00.00	168,768	3.87	348.69	348.69	348.69	3.87					
150+00.00	163+65.00	79,459	1.82	164.17	164.17	164.17	1.82					
163+65.00	230+31.61	331,594	7.61	685.11	685.11	685.11	7.61					
230+31.61	232+55.00	18,238	0.42	37.68	37.68	37.68	0.42					
SUBTOTAL			21.60	1943.57	1943.57	1943.57	21.60					
TOTAL QUANTITY			22	1944	1944	1944	22					

PREPARED BY: JEC
CHECKED BY: GO
3/5/2008

AIR CULVERT SCHEDULE																	
STATION	TRENCH BACKFILL (CU YD)	20800150		54213675		54214501		54214509		54214515		54207153		54207159		54207165	
		PRECAST REINFORCED CONC F.E.S. 30" (EACH)	PRECAST REINFORCED CONC F.E.S. 18" (EACH)	PRECAST REINFORCED CONC F.E.S. 18" (EACH)	PRECAST REINFORCED CONC F.E.S. 24" (EACH)	PRECAST REINFORCED CONC F.E.S. 30" (EACH)	PIPE CULVERT TYPE 1, RCCP ELLIPTICAL, EQUIVALENT ROUND SIZE 18" (FOOT)	PIPE CULVERT TYPE 1, RCCP ELLIPTICAL, EQUIVALENT ROUND SIZE 24" (FOOT)	PIPE CULVERT TYPE 1, RCCP ELLIPTICAL, EQUIVALENT ROUND SIZE 30" (FOOT)								
30+90.14	14.15																
50+56.47	11.52																
56+50.00	11.12																
204+62.81 (100 E)	18.83																
205+28.37 (100 E)	18.75																
71+50.00	12.47																
98+12.03	12.03																
107+50.00	14.67																
122+11.27	11.71																
138+94.01	14.31																
405+95.62 (275 E)	14.30																
131+58.85 (FAS 666)	49.91																
178+50.30	20.50																
50+41.8 (425 E)	52.25																
51+10.25 (425 E)	57.50																
SUBTOTAL		334.01	2	4	18	8	112	632	256								
TOTAL QUANTITY		335	2	4	18	8	112	632	256								

PREPARED BY: JEC
CHECKED BY: GO
3/5/2008

SURVEY MARKERS				
STATION	O/S	MARKER VAULTS (EACH)	20301232	
			SURVEY MARKER VAULTS (EACH)	
30+85.20	21.46	RT	1	
57+20.41	16.91	LT	1	
83+74.23	14.93	RT	1	
110+08.08	0.00	CL	1	
136+90.25	0.00	CL	1	
163+66.25	0.00	CL	1	
190+53.33	12.63	RT	1	
216+91.00	1.55	LT	1	
SUBTOTAL			8	
TOTAL QUANTITY			8	

PREPARED BY: DLE
CHECKED BY: JEC
3/5/2008

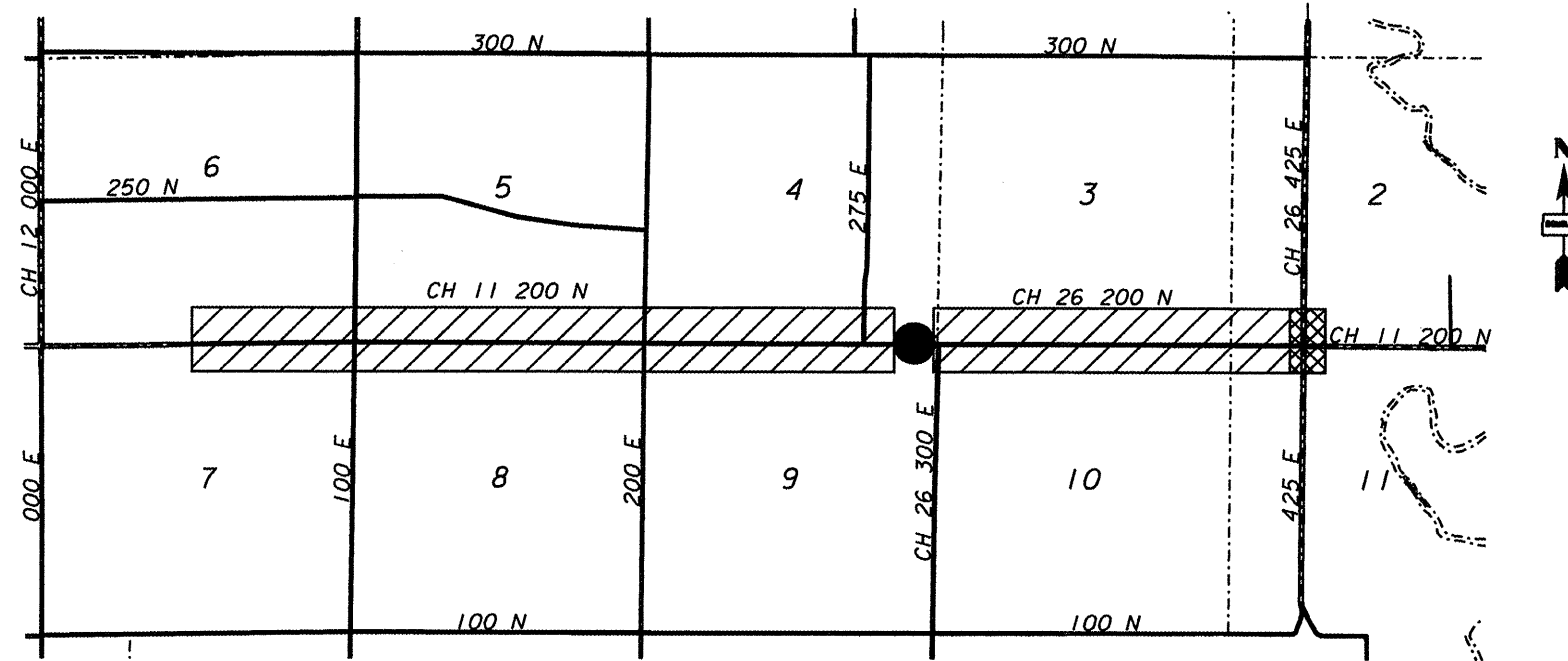
SCHEDULES				
NO.	DATE	INITIALS	DESIGNED BY	DESIGNED BY
1			JEC	JEC
2			JEC	JEC
3			---	---
4			JEC	JEC
5			---	---
6			JEC	JEC
7			---	---
8			---	---

Job No.: NA Date: 1/08




FAS ROUTE 666 (CH 11)
DOUGLAS COUNTY, ILLINOIS

DOUGLAS COUNTY HIGHWAY DEPARTMENT
TUSCOLA, ILLINOIS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	9
FED. ROAD DIST. NO.	ILLINOIS	PROJECT	C-95-323-07	



LEGEND

-  RE-ALIGNMENT OF EXISTING ROADWAY, FULL DEPTH HMA PAVEMENT CONSTRUCTION
-  BRIDGE REPLACEMENT
-  INTERSECTION CONSTRUCTION-PAVEMENT WIDENING & HMA OVERLAY.

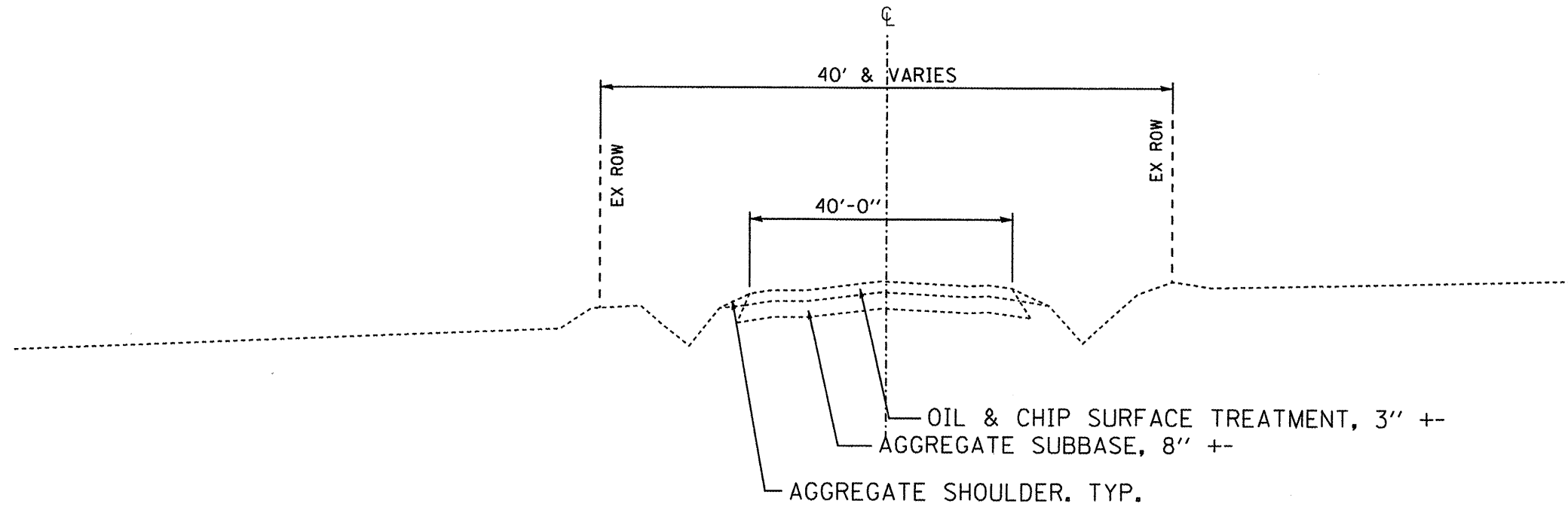
MAINTENANCE OF TRAFFIC-GENERAL NOTES

1. THE PROJECT AREA SHALL BE CLOSED TO THRU TRAFFIC FOR THE DURATION OF THE PROJECT. DUE TO THE LARGE NUMBER OF RESIDENCES AND BUSINESS ALONG THE PROJECT CORRIDOR, THE CONTRACTOR SHALL CONSTRUCT THE PROJECT IN A SEQUENCE THAT ALLOWS FOR LOCAL TRAFFIC ACCESS AT ALL TIMES.
2. ONLY ONE ADJACENT INTERSECTION SHALL BE CLOSED TO TRAFFIC. AT LEAST ONE INTERSECTION EVERY 2 MILES SHALL REMAIN OPEN TO THE TRAVELING PUBLIC.
3. THE CONTRACTOR SHALL MAKE EVERY EFFORT POSSIBLE TO KEEP THE LOCAL RESIDENTS INFORMED OF THE PROGRESS OF THE PROJECT AND THE STAGES OF TRAFFIC CONTROL.

M O T P L A N

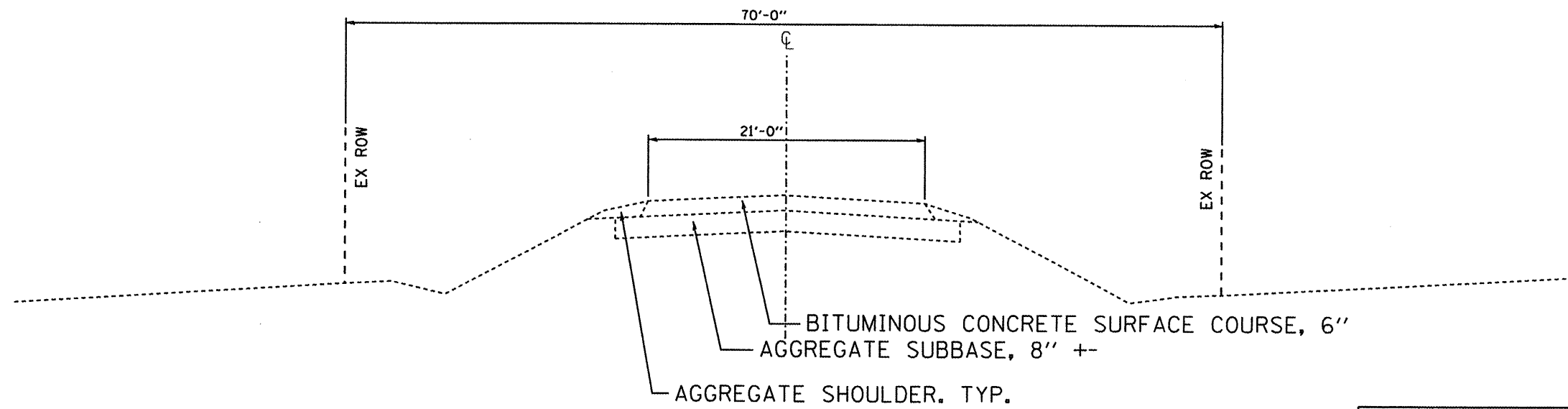
Revisions	Surveyed: DLE	FAS ROUTE 666 (CH 11) DOUGLAS COUNTY, ILLINOIS DOUGLAS COUNTY HIGHWAY DEPARTMENT TUSCOLA, ILLINOIS
1. DATE: INITIALS	Designed: JEC	
2. DATE: INITIALS	Drawn: JEC	
3. DATE: INITIALS	Checked: ---	
4. DATE: INITIALS	Approved: JEC	
5. DATE: INITIALS		
6. DATE: INITIALS		
Job No.: NA	Date: 1/08	

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	219	10
FED. ROAD DIST. NO. ...	ILLINOIS	PROJECT	C-95-323-07	



FAS 666 (CH 11)
EXISTING TYPICAL SECTION

STA. 21+00.00 TO STA. 229+87.76

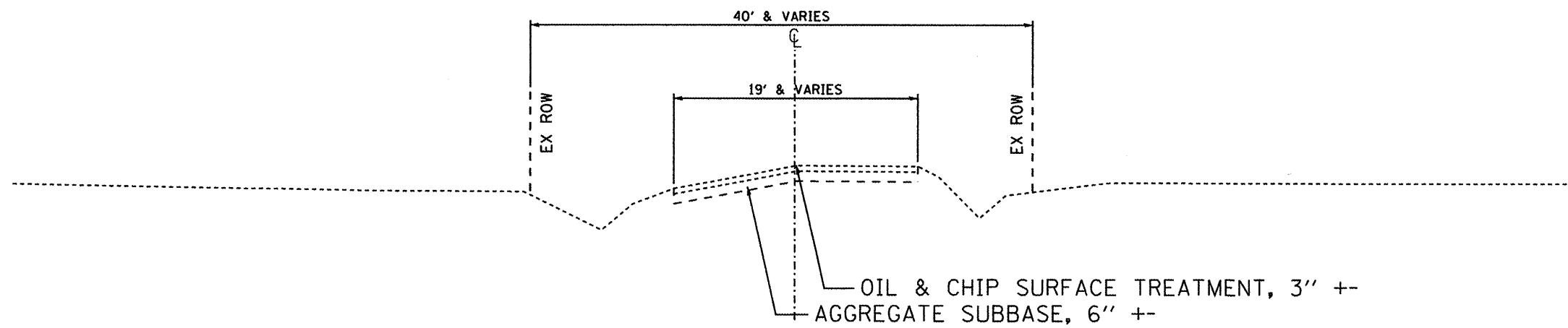


FAS 666 (CH 11)
EXISTING TYPICAL SECTION

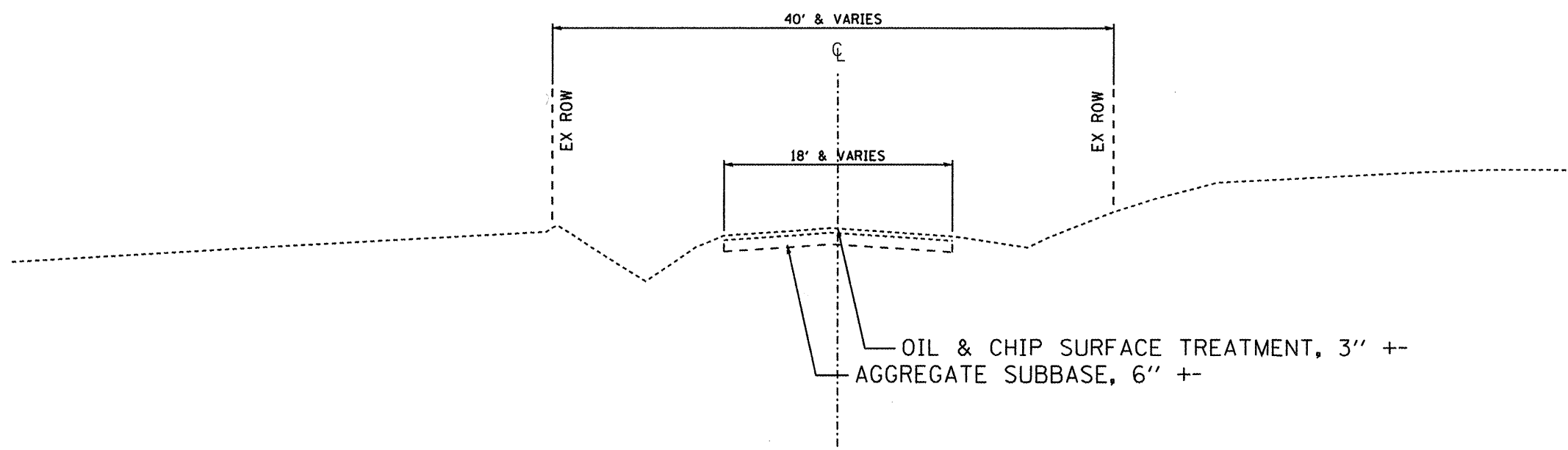
STA. 229+87.77 TO STA. 232+00.65

EXISTING TYPICAL SECTIONS			
Revisions		Surveyed: DLE	FAS ROUTE 666 (CH11 - 200N) DOUGLAS COUNTY DOUGLAS COUNTY HIGHWAY DEPARTMENT TUSCOLA, ILLINOIS
No.	DATE	INITIALS	
1		Designed: JEC	
2		Drawn: JEC	
3		Checked: ---	
4		Approved: ---	
5			
6			
7			
Job No.:	NA	Date:	5/2007

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	11
FED. ROAD DIST. NO. ...	ILLINOIS	PROJECT	C-95-323-07	



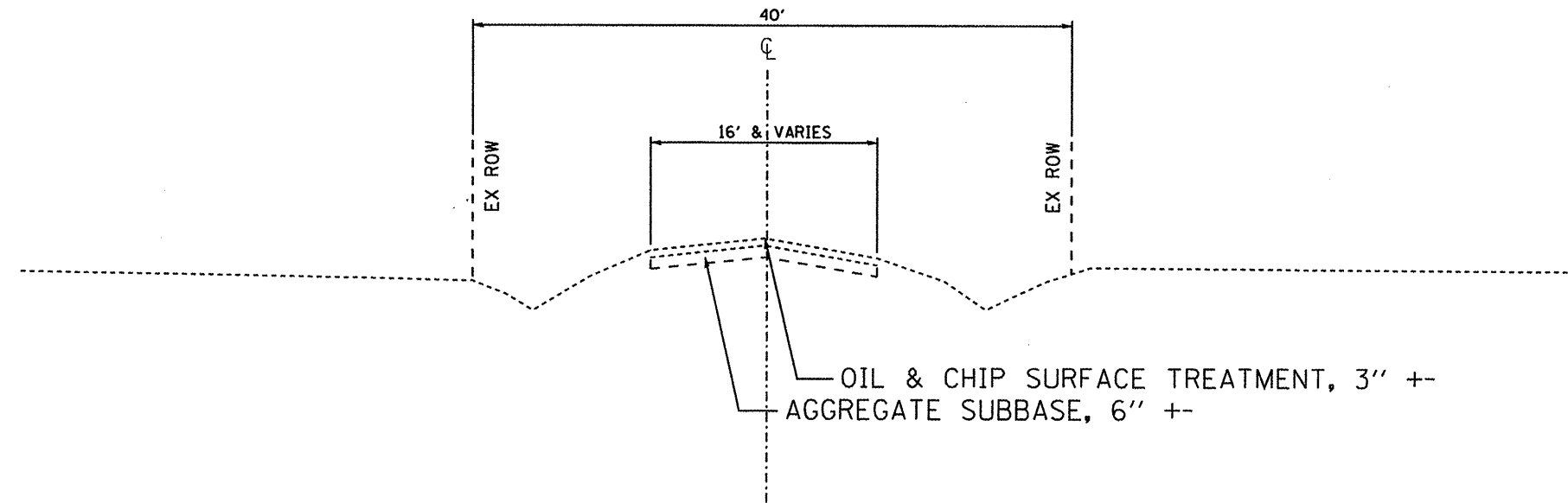
TR 8 (100 E)
EXISTING TYPICAL SECTION
 STA. 203+55.33 TO STA. 204+84.59
 STA. 205+06.59 TO STA. 206+71.60



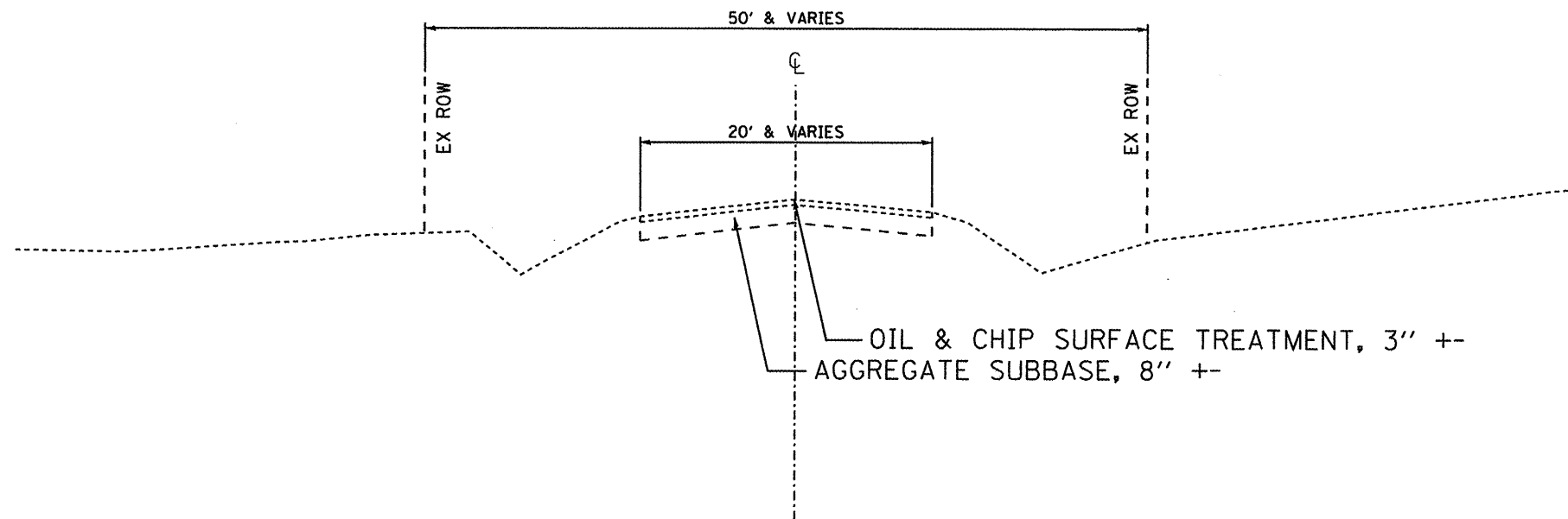
TR 18 (200 E)
EXISTING TYPICAL SECTION
 STA. 304+28.66 TO STA. 305+49.00
 STA. 305+71.00 TO STA. 306+91.70

Revisions			Surveyed:	DLE	FAS ROUTE 666 (CH11 - 200N) DOUGLAS COUNTY
No.	DATE	INITIALS	Designed:	JEC	
1			Drawn:	JEC	DOUGLAS COUNTY HIGHWAY DEPARTMENT TUSCOLA, ILLINOIS
2			Checked:	---	
3			Approved:	---	
4					
5					
6					
7					
Job No.:			NA	Date:	5/2007

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	12
FED. ROAD DIST. NO.	ILLINOIS	PROJECT	C-95-323-07	



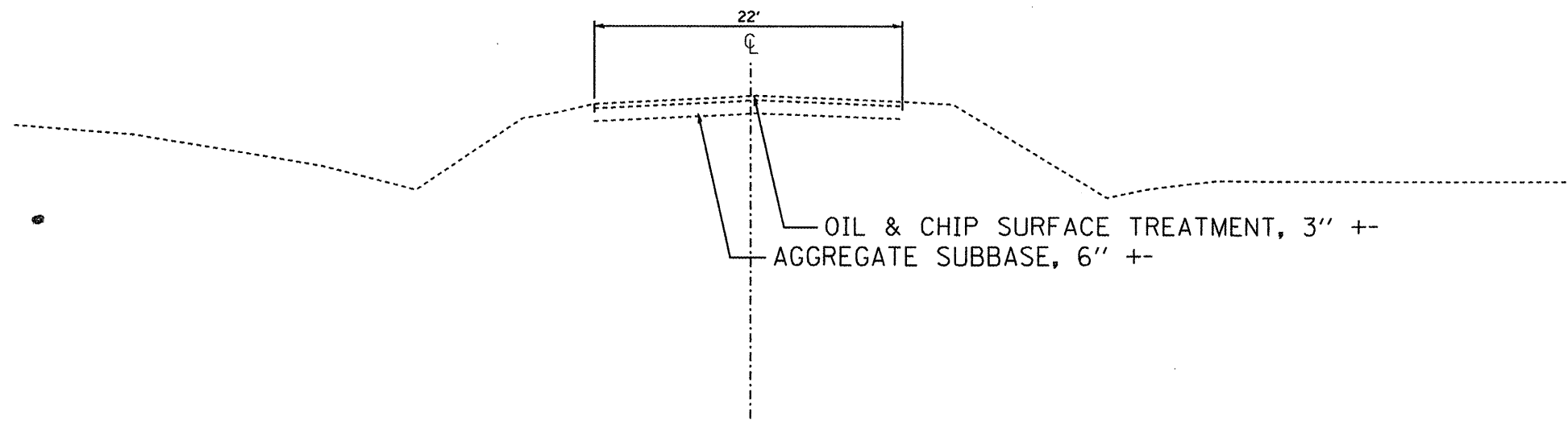
TR 28 (275 E)
EXISTING TYPICAL SECTION
STA. 405+71.00 TO STA. 406+92.03



FAS 670 (CH 26)
EXISTING TYPICAL SECTION
STA. 129+50.00 TO STA. 131+89.00

Revisions				Surveyed:	DLE	FAS ROUTE 666 (CH11 - 200N) DOUGLAS COUNTY
No.	DATE	INITIALS	Designed:	JEC		
1			Drawn:	JEC	DOUGLAS COUNTY HIGHWAY DEPARTMENT TUSCOLA, ILLINOIS	
2			Checked:	---		
3			Approved:	---		
4						
5						
Job No.:				NA	Date:	5/2007

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	13
FED. ROAD DIST. NO. ...		ILLINOIS	PROJECT C-95-323-07	



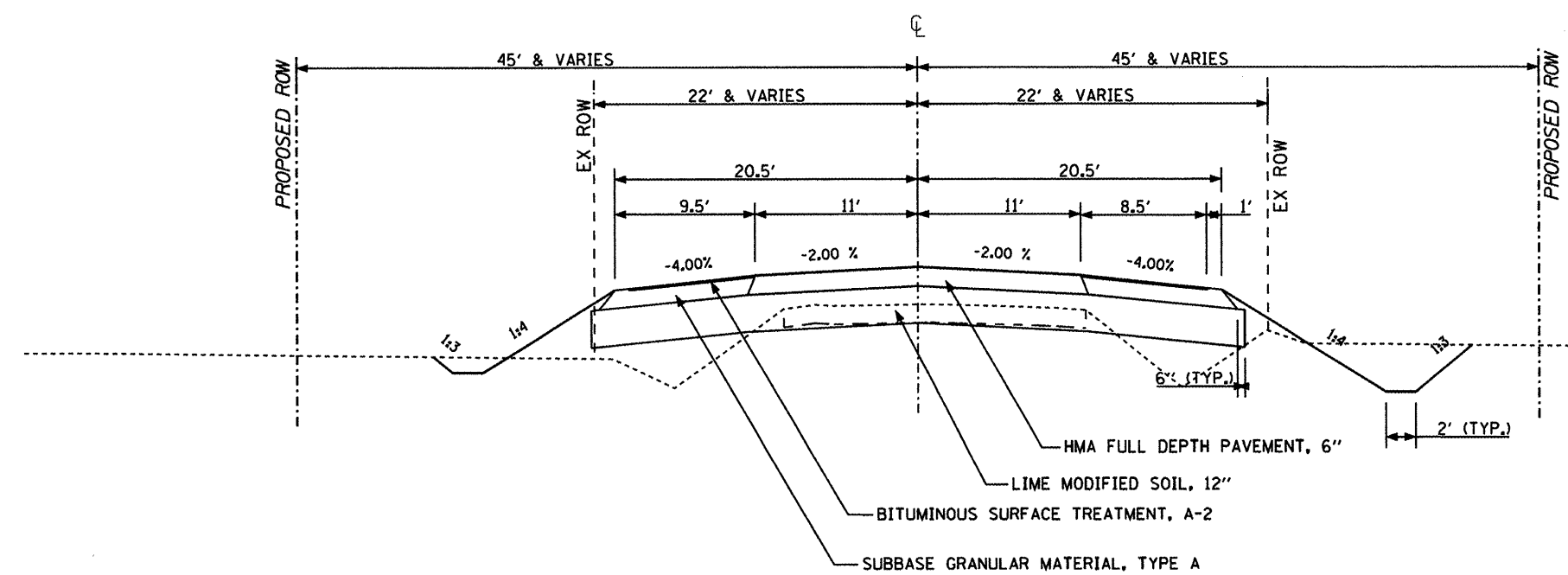
TR 54 (425 E) - FAS 665 (CH 26)
EXISTING TYPICAL SECTION
 STA. 49+50.00 TO STA. 50+66.70
 STA. 50+88.70 TO STA. 52+00.00

EXISTING TYPICAL SECTIONS			
Revisions		Surveyed:	DLE
NO.	DATE	INITIALS	
1			Designed: JEC
2			Drawn: JEC
3			Checked: ---
4			Approved: ---
5			
6			
7			
Job No.: NA		Date: 5/2007	

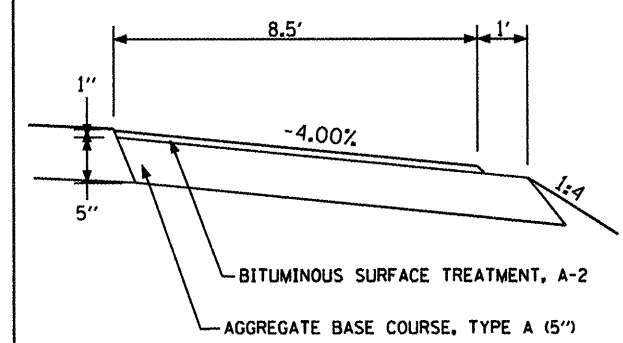
FAS ROUTE 666 (CH11 - 200N)
DOUGLAS COUNTY

DOUGLAS COUNTY HIGHWAY
DEPARTMENT
TUSCOLA, ILLINOIS

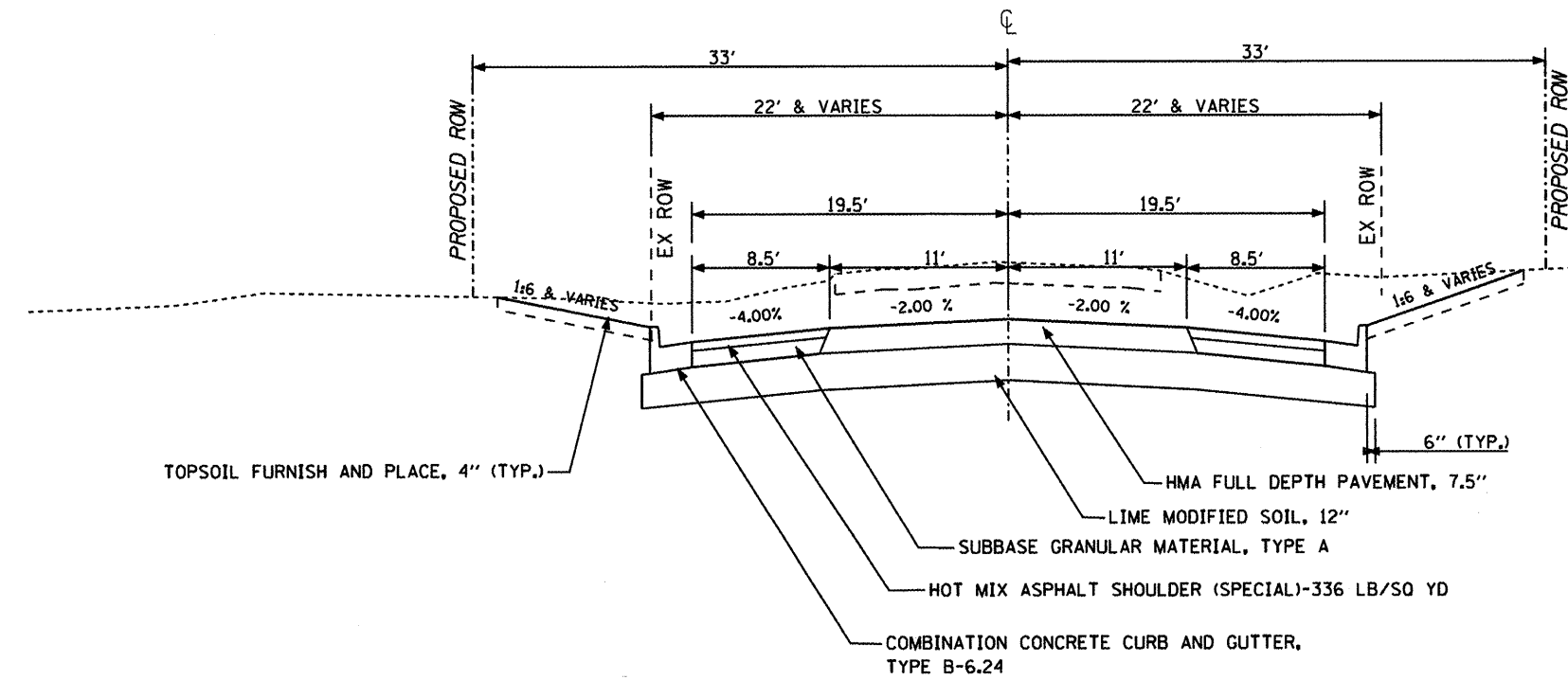
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	14
FEDERAL DIST. NO.		ILLINOIS	PROJECT	C-95-323-07



TYPICAL IMPROVED SHOULDER DETAIL
(ALL LOCATIONS WITH IMPROVED A-2 SURFACE)



FAS 666 (CH 11)
PROPOSED TYPICAL SECTION
STA. 21+00.00 TO STA. 110+47.37
STA. 116+78.30 TO STA. 161+72.00
STA. 163+04.00 TO STA. 229+81.65



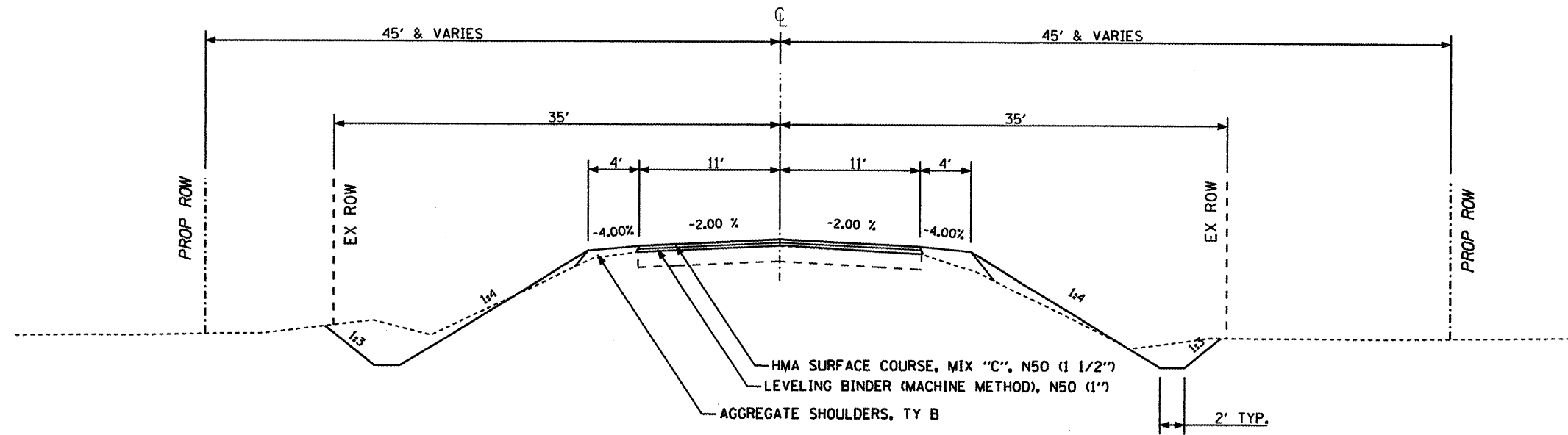
NOTE: TRANSITION HMA FULL DEPTH PAVEMENT:
FROM 6" @ STA 109+00 TO 7 1/2" @ STATION 109+25
FROM 7 1/2" @ STA 117+00 TO 6" @ STA 117+25

NOTE: COMBINATION CURB & GUTTER, B6.24
TERMINATES AT STATION 116+78.30, LT
& STATION 116+61.28, RT.

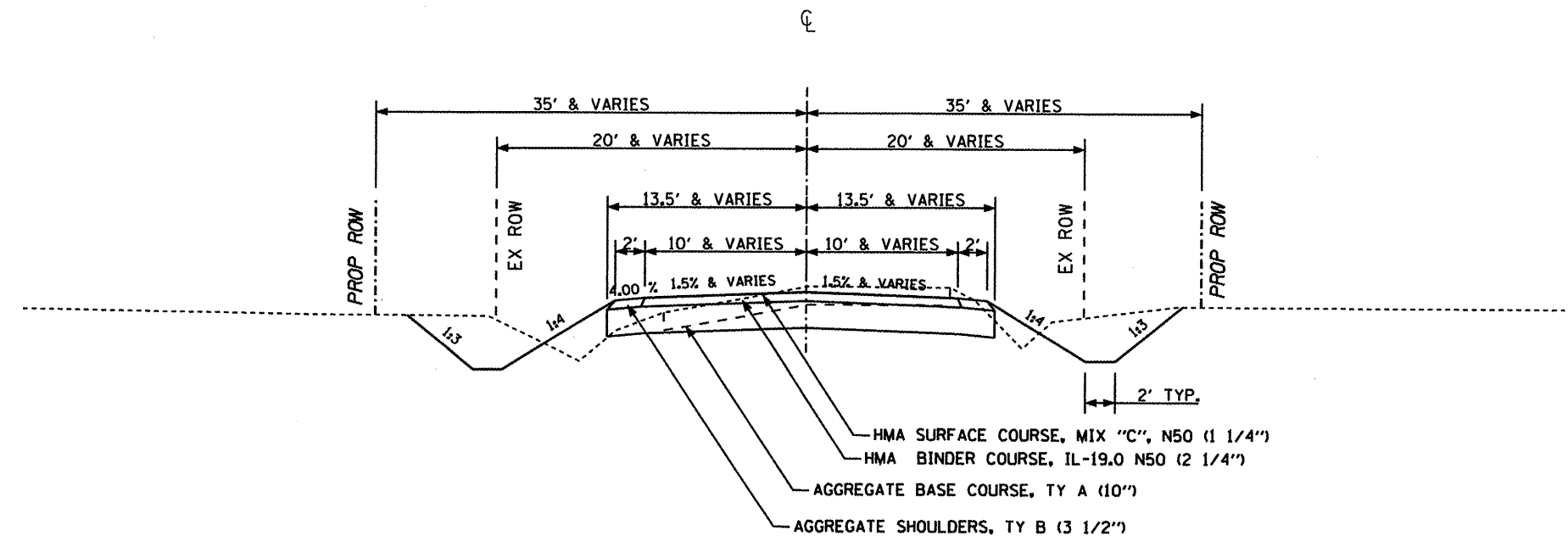
FAS 666 (CH 11)
PROPOSED TYPICAL SECTION
STA. 110+47.37 TO STA. 116+78.30

Revisions			Surveyed: DLE	FAS ROUTE 666 (CH11 - 200N)	
No.	DATE	INITIALS	Designed: JEC	DOUGLAS COUNTY	
1			Drawn: JEC		
2			Checked: ---		
3			Approved: ---		
4				DOUGLAS COUNTY HIGHWAY DEPARTMENT	
5				TUSCOLA, ILLINOIS	
6					
7					
Job No.:	NA	Date:	5/2007		

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	15
FED. ROAD DIST. NO.	ILLINOIS	PROJECT	C-95-323-07	



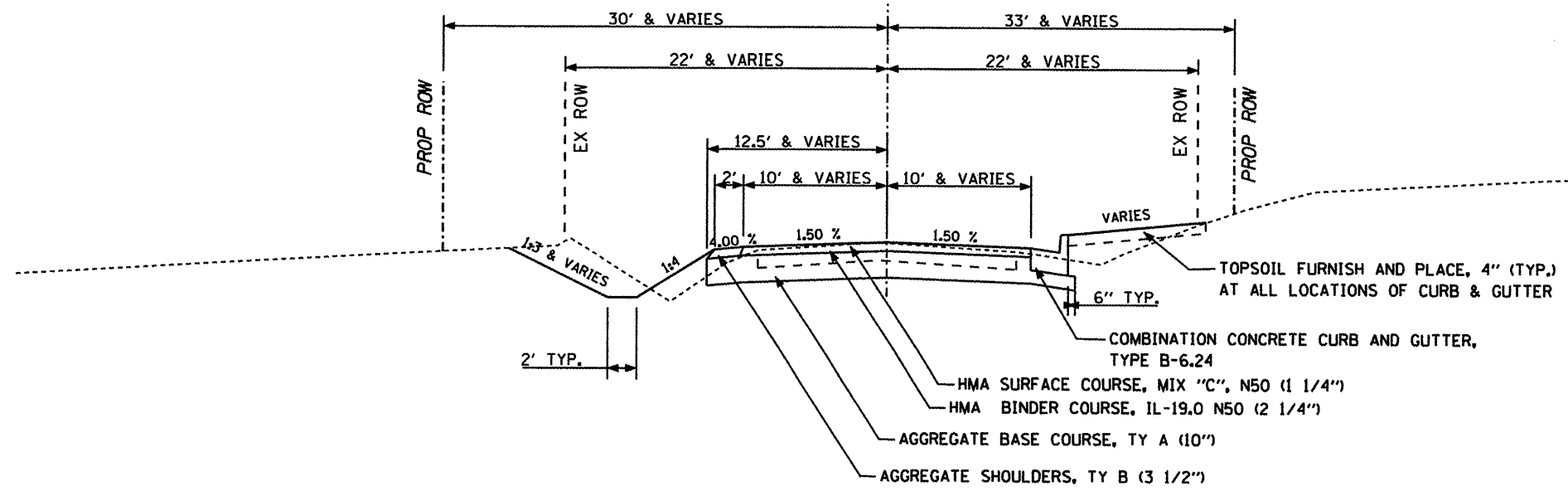
FAS 666 (CH 11)
PROPOSED TYPICAL SECTION
 STA. 229+81.65 TO STA. 232+00.65



TR 8 (100E)
PROPOSED TYPICAL SECTION
 TR 8 (100 E) STA. 203+55.33 TO STA. 204+84.59
 TR 8 (100 E) STA. 205+06.59 TO STA. 206+71.60

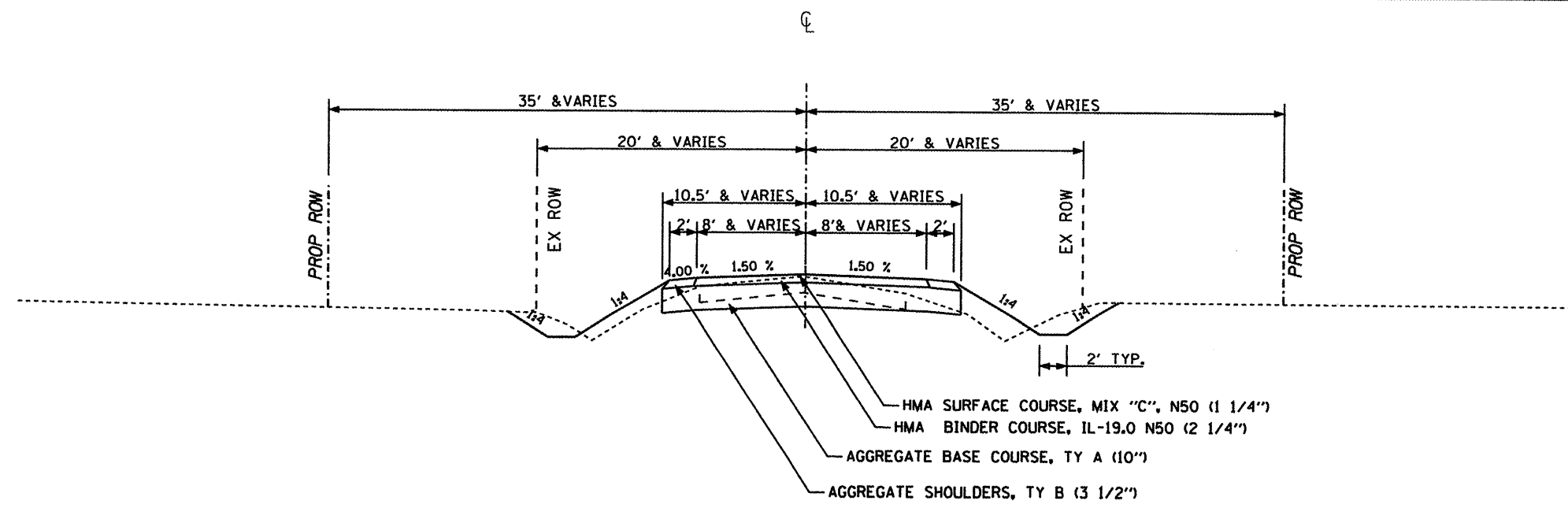
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2			Drawn: JEC		
3			Checked: ---		
4			Approved: ---		
5				DOUGLAS COUNTY HIGHWAY DEPARTMENT	
6				TUSCOLA, ILLINOIS	
7					
Job No.:	NA	Date:	5/2007		

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	16
FED. ROAD DIST. NO.	ILLINOIS	PROJECT	C-95-323-07	



TR 18 (200 E)
PROPOSED TYPICAL SECTION

STA. 304+28.66 TO STA. 305+49.00
STA. 305+71.00 TO STA. 306+91.70

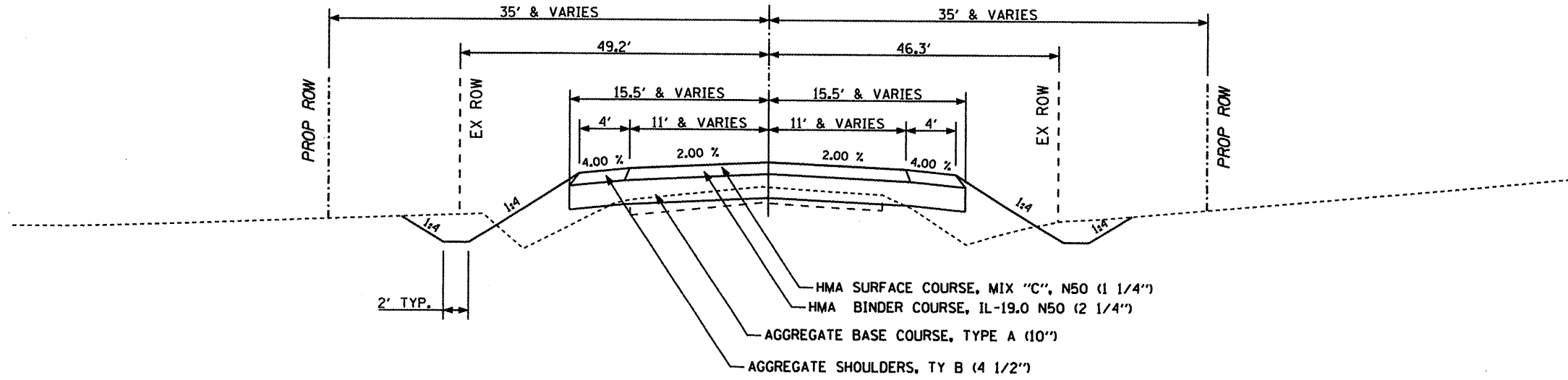


TR 28 (275 E)
PROPOSED TYPICAL SECTION

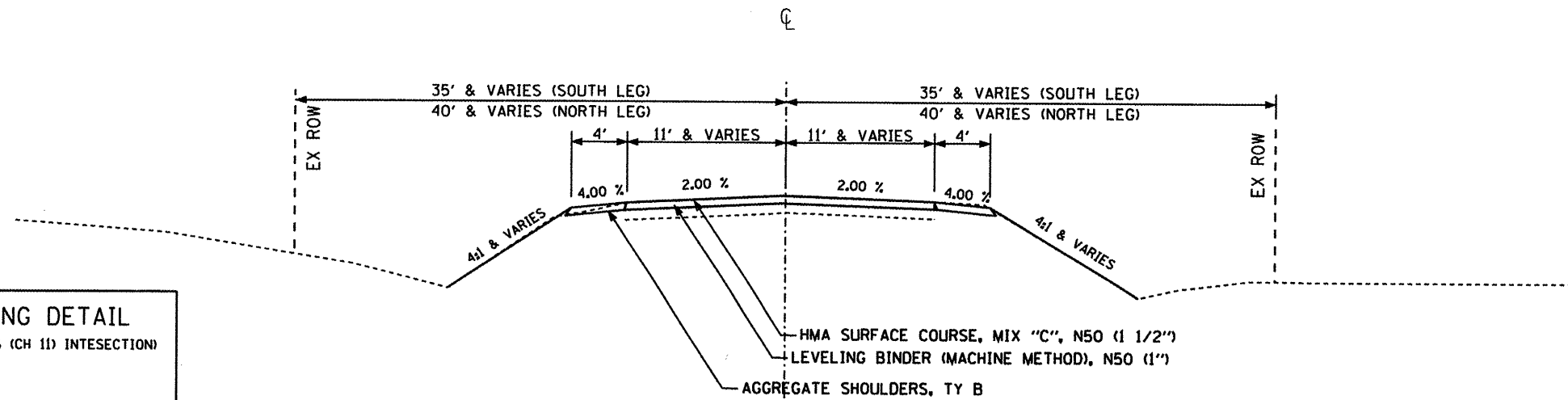
STA. 405+71.00 TO STA. 406+92.03

PROPOSED TYPICAL SIDEROAD SECTIONS						
Revisions		Surveyed: DLE		FAS ROUTE 666 (CH11 - 200N)		
NO.	DATE	INITIALS	Designed: JEC	DOUGLAS COUNTY		
1			Drawn: JEC			
2			Checked: ---			
3			Approved: ---			
4				DOUGLAS COUNTY HIGHWAY DEPARTMENT		
5				TUSCOLA, ILLINOIS		
6						
7						
Job No.:	NA	Date:	5/2007			

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	17
FED. ROAD DIST. NO. ...	ILLINOIS	PROJECT	C-95-323-07	



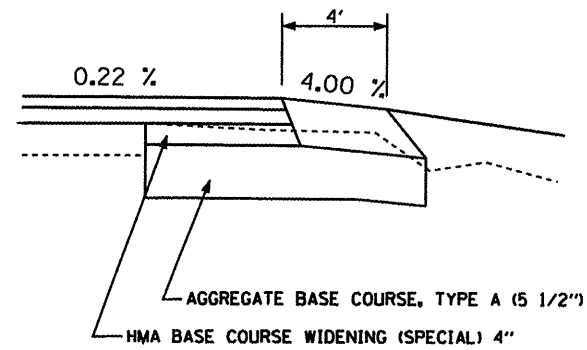
FAS 670 (CH 26)
PROPOSED TYPICAL SECTION
 STA. 129+50.00 TO STA. 131+89.00



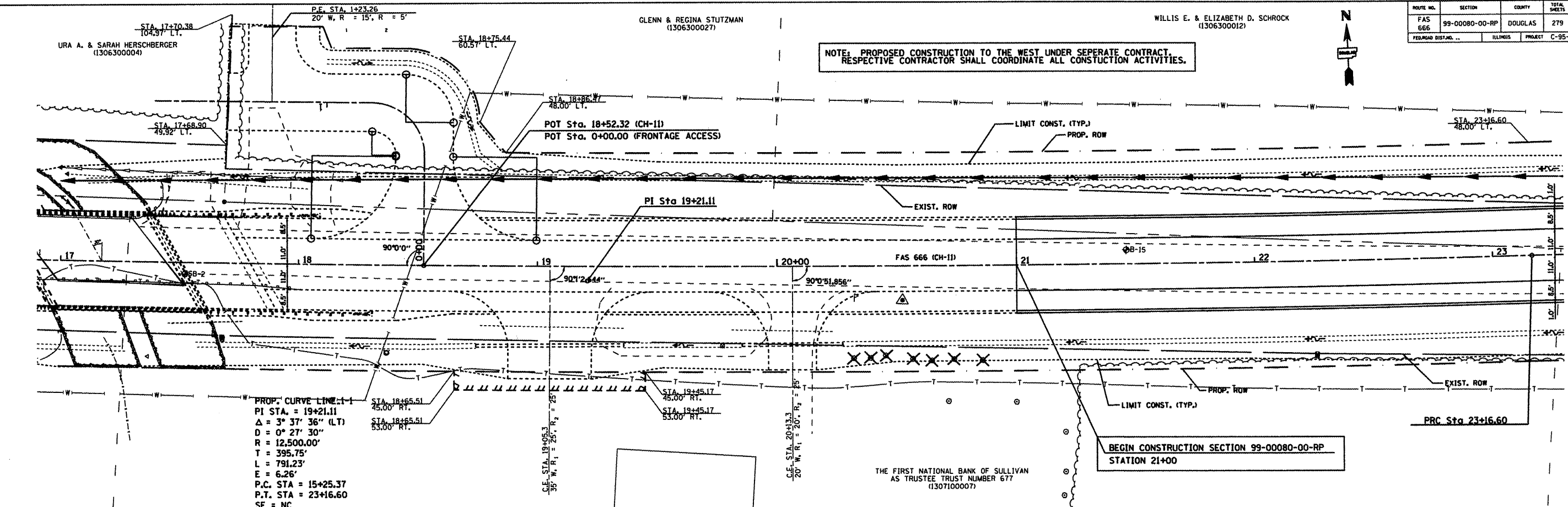
TR 54 (425 E)
FAS 665 (CH 26)
PROPOSED TYPICAL SECTION
 STA. 49+50.00 TO STA. 50+66.70
 STA. 50+88.70 TO STA. 52+00.00

Revisions				Surveyed:	DLE	FAS ROUTE 666 (CH11 - 200N)	
No.	DATE	DETAILS	Designed:	JEC	DOUGLAS COUNTY		DOUGLAS COUNTY HIGHWAY DEPARTMENT TUSCOLA, ILLINOIS
1			Drawn:	JEC			
2			Checked:	---			
3			Approved:	---			
4							
5							
6							
7							
Job No.:	NA	Date:	5/2007				

TYPICAL RADIUS WIDENING DETAIL
 (TR 54 (425 E) FAS 665 (CH 26) / FAS 666 (CH 11) INTERSECTION)



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	18
FEDERAL DIST. NO.		ILLINOIS	PROJECT C-95-323-07	

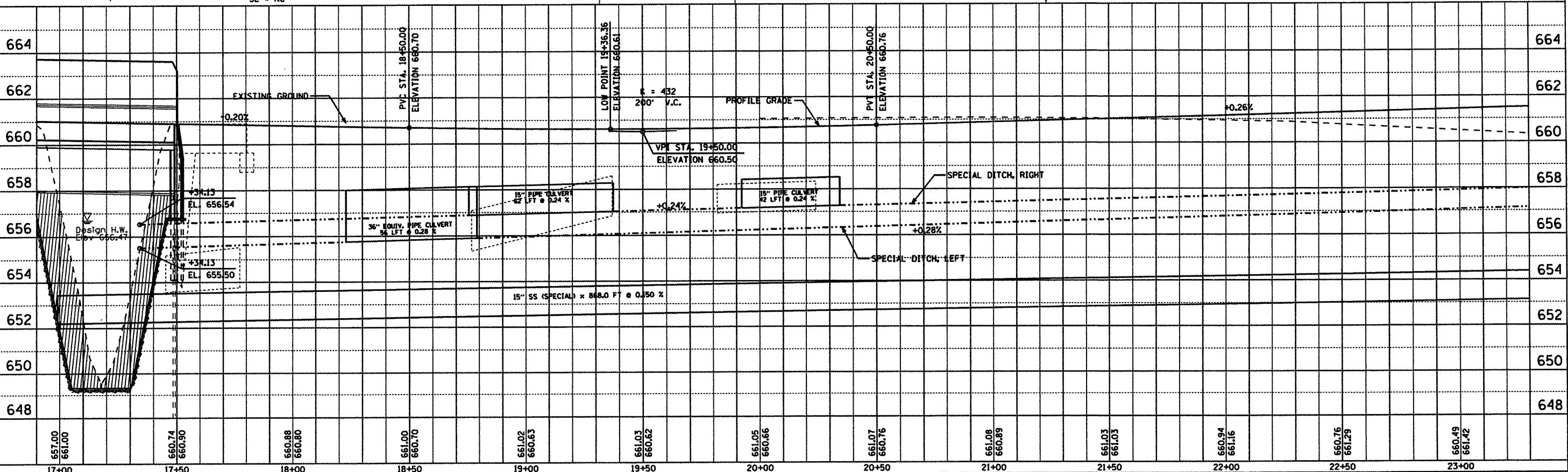


DATE	BY

PLAN	REVISIONS

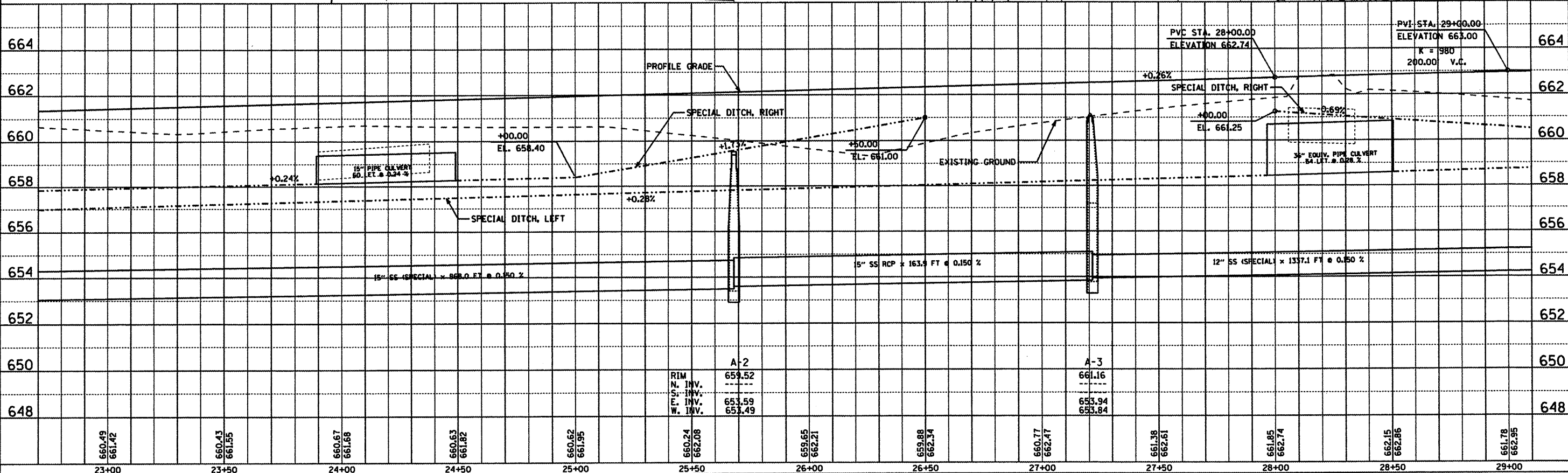
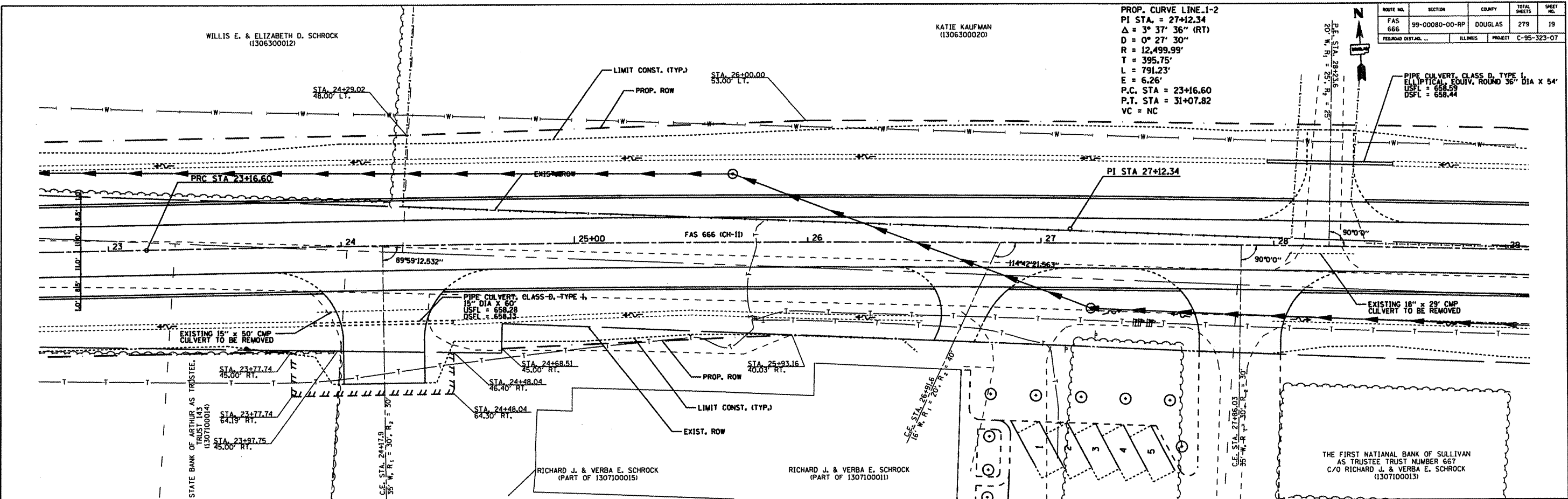
DATE	BY

PROFILE	REVISIONS



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	19
FEDERAL DIST. NO. ...		ILLINOIS	PROJECT C-95-323-07	

PROP. CURVE LINE 1-2
 PI STA. = 27+12.34
 $\Delta = 3^\circ 37' 36''$ (RT)
 $D = 0^\circ 27' 30''$
 $R = 12,499.99'$
 $T = 395.75'$
 $L = 791.23'$
 $E = 6.26'$
 P.C. STA = 23+16.60
 P.T. STA = 31+07.82
 VC = NC



PLAN

DATE	
BY	
DESIGNED	
CHECKED	
NOTED	
FILED	

PROFILE

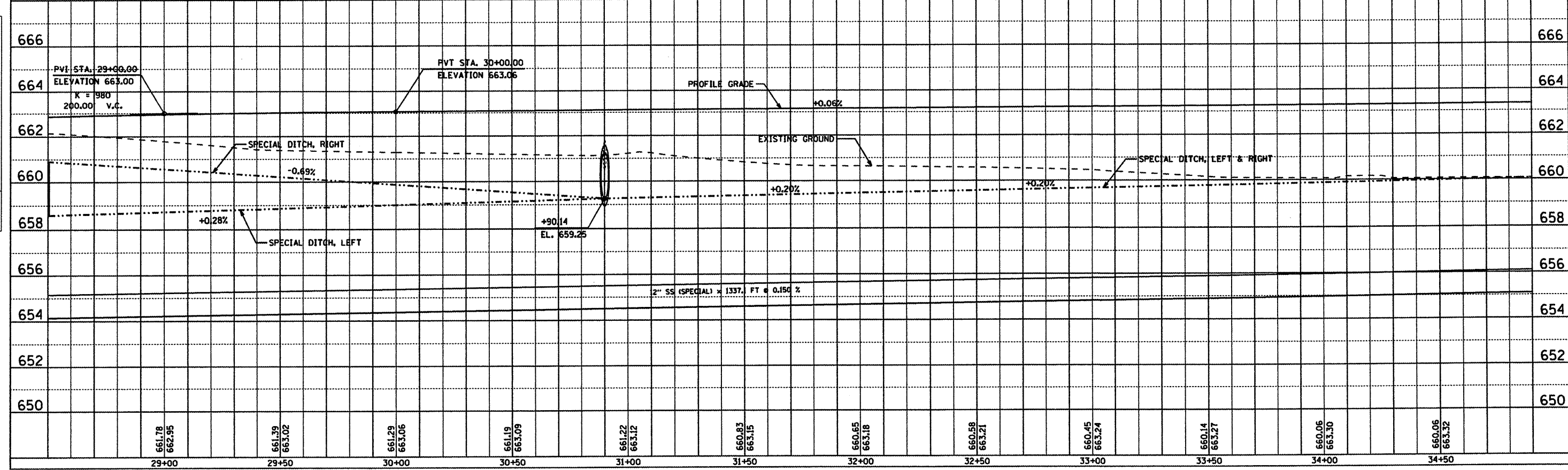
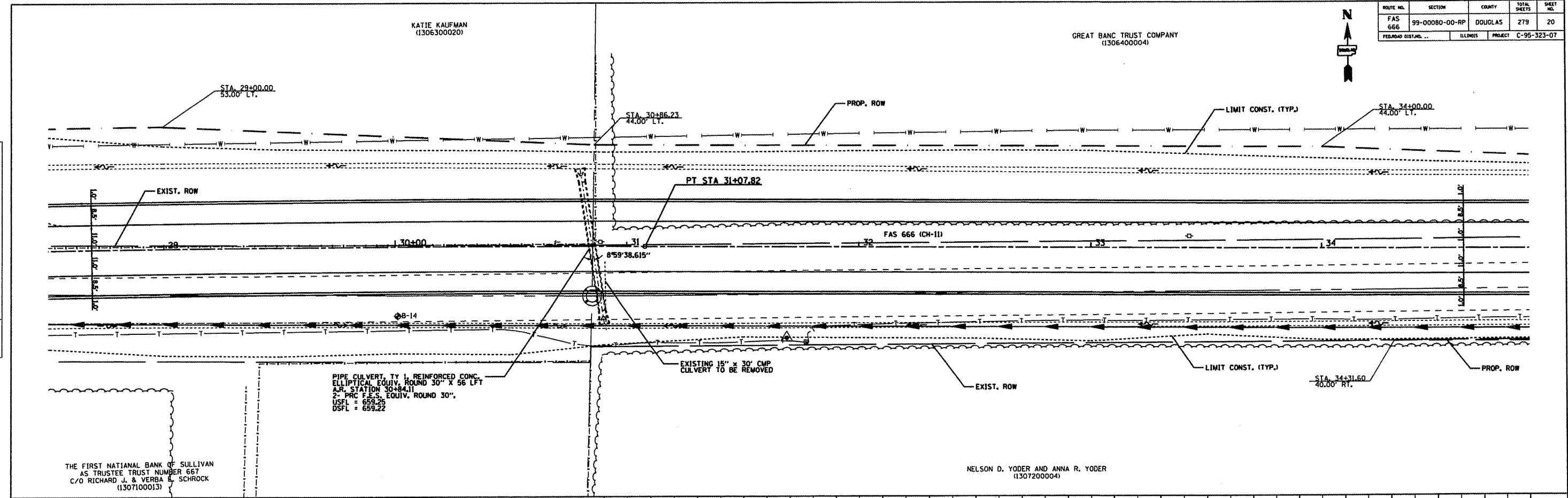
DATE	
BY	
DESIGNED	
CHECKED	
NOTED	
FILED	

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-0080-00-RP	DOUGLAS	279	20
FED. ROAD DIST. NO.	ILLINOIS	PROJECT	C-95-323-07	

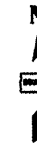


DATE	BY	REVISION

DATE	BY	REVISION



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	21
FELIX ROAD DIST. ...		ILLINOIS	PROJECT C-95-323-07	



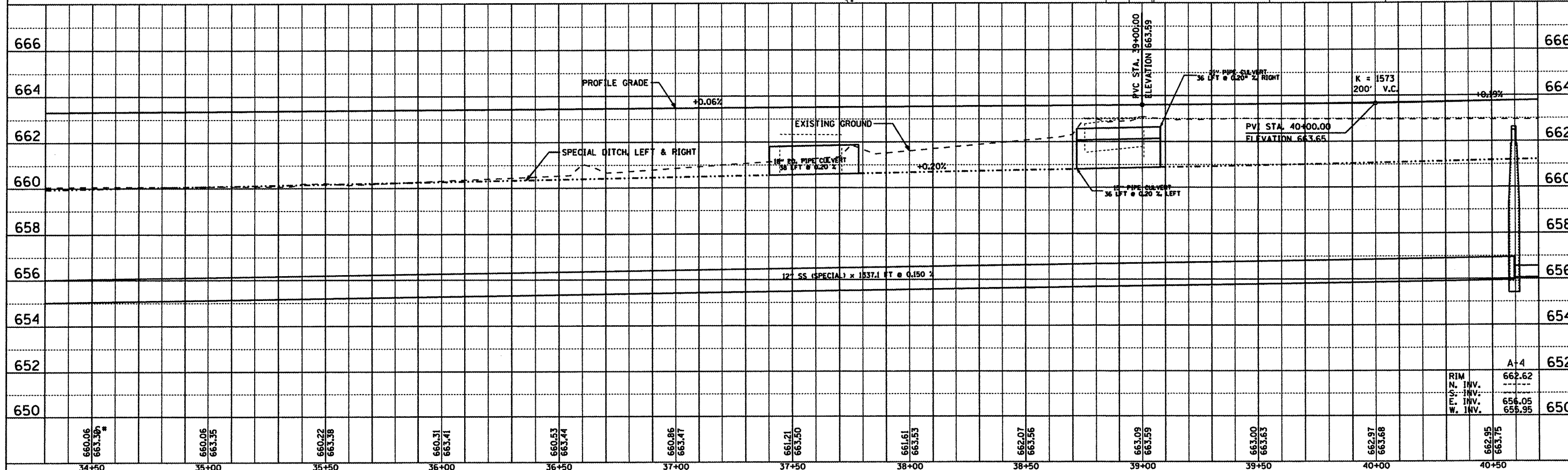
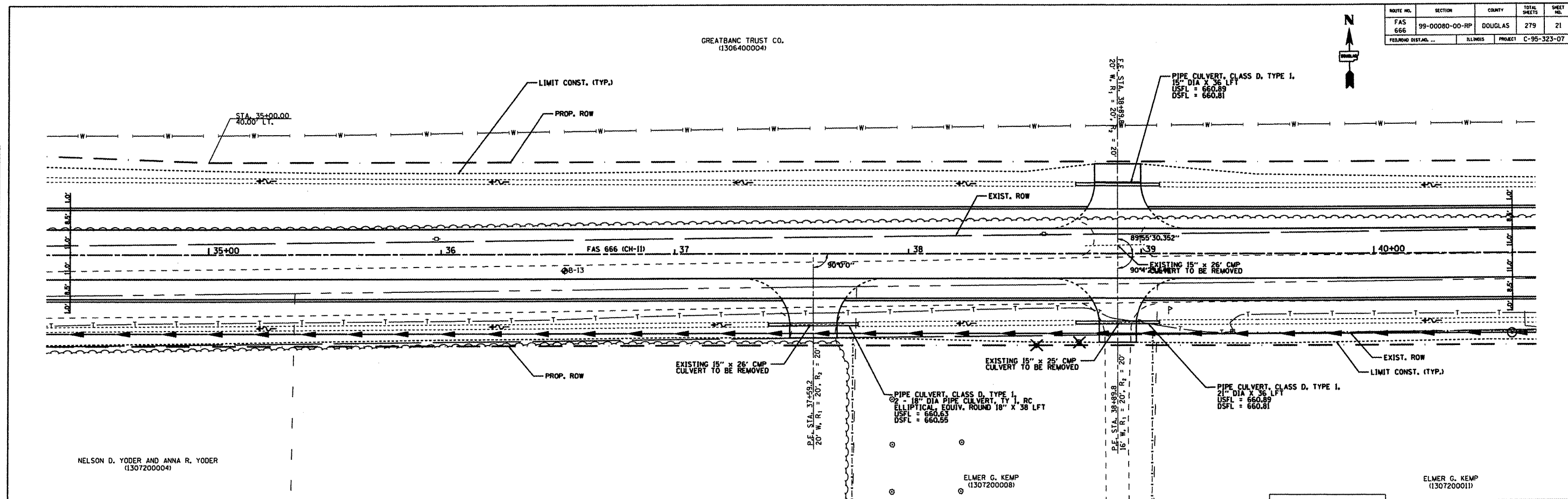
GREATBANC TRUST CO.
(1306400004)

DATE	BY

REVISIONS:
 1. PLANNING
 2. DESIGN
 3. CONSTRUCTION
 4. AS-BUILT

DATE	BY

REVISIONS:
 1. PROFILE
 2. GROUND
 3. STRUCTURE NOTATIONS COR'D



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	22
FEDERAL DISTRICT ...		ILLINOIS	PROJECT C-95-323-07	

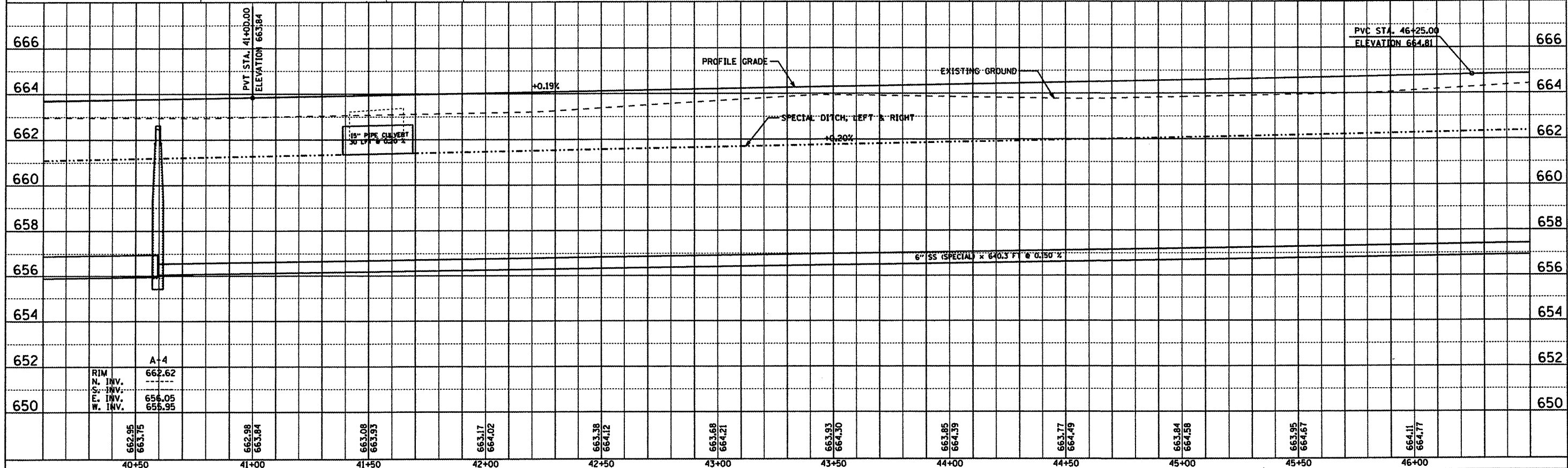
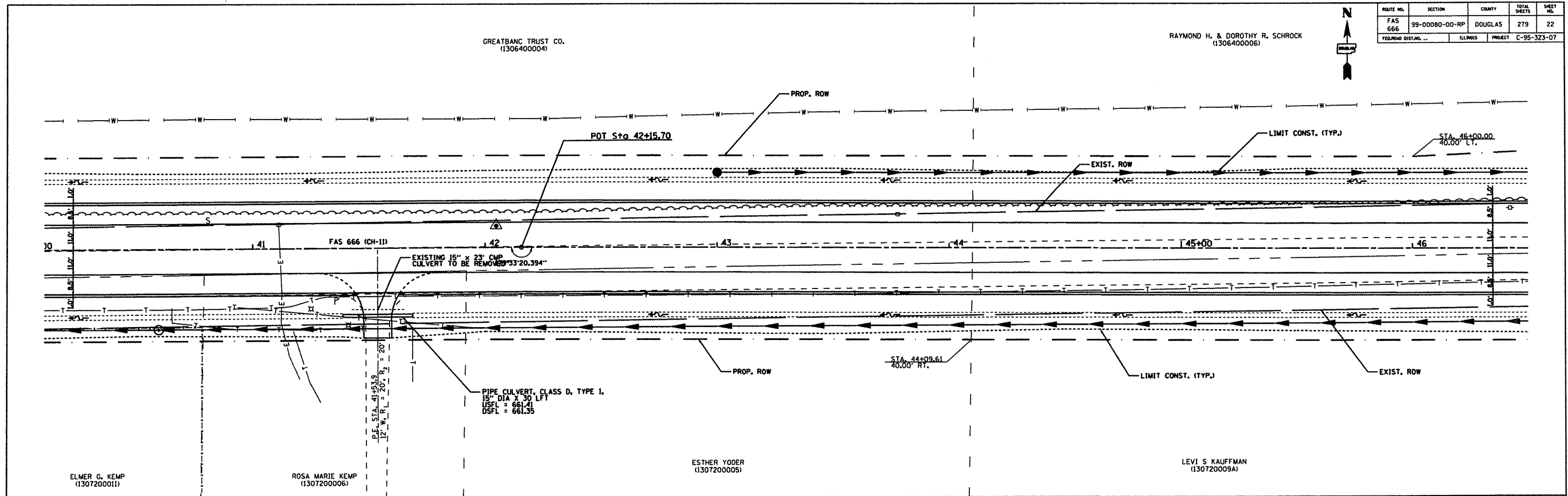
RAYMOND H. & DOROTHY R. SCHROCK
(1306400006)



GREATBANC TRUST CO.
(1306400004)

DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	

DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	



A-4	662.62
RIM INV.	662.62
S. INV.	656.05
E. INV.	656.05
W. INV.	655.95

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	23
FEDERAL DISTRICT		ILLINOIS	PROJECT C-95-323-07	

RAYMOND H. & DOROTHY R. SCHROCK
(1306400006)

DENNIS L. & ROSE E. PLANK
(1306400008)

DENNIS L. & ROSE E. PLANK
(1306400009)

LEVI S KAUFFMAN
(1307200009A)

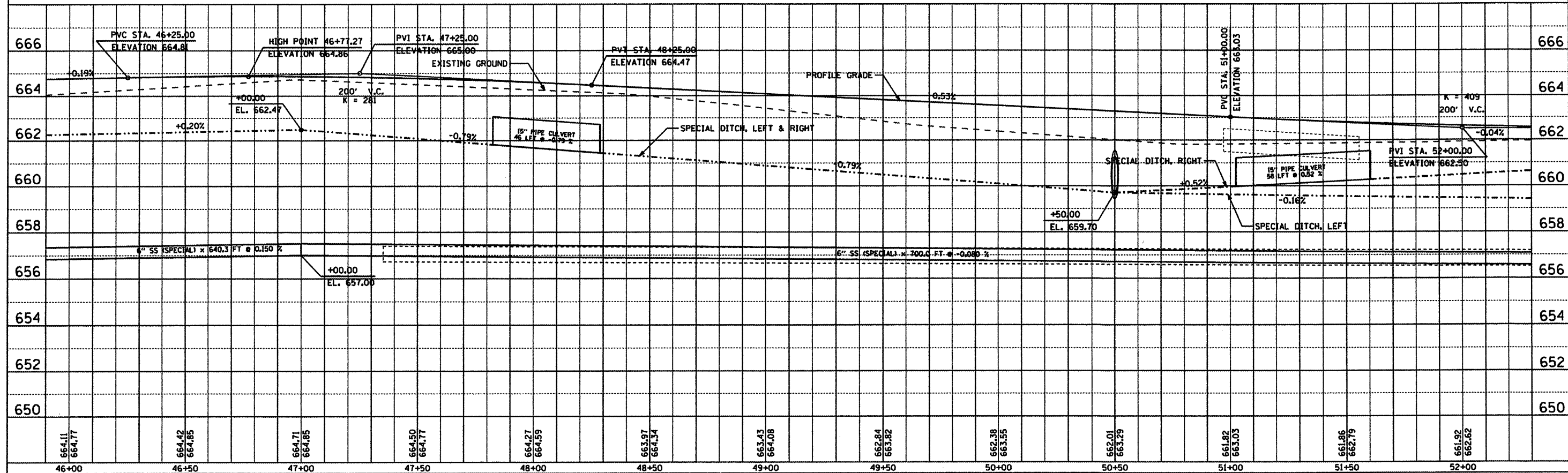
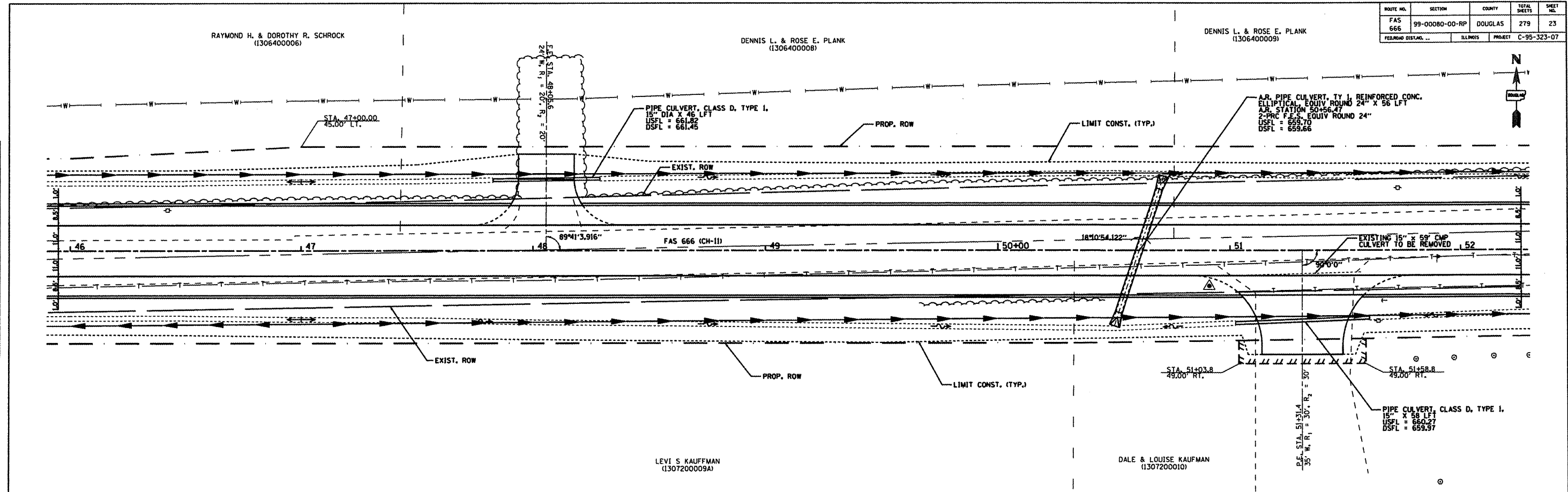
DALE & LOUISE KAUFMAN
(1307200010)

DATE	BY

PLAN
 SWITTED
 ALIGNED
 CHECKED
 DATE FILE NAME
 NO.

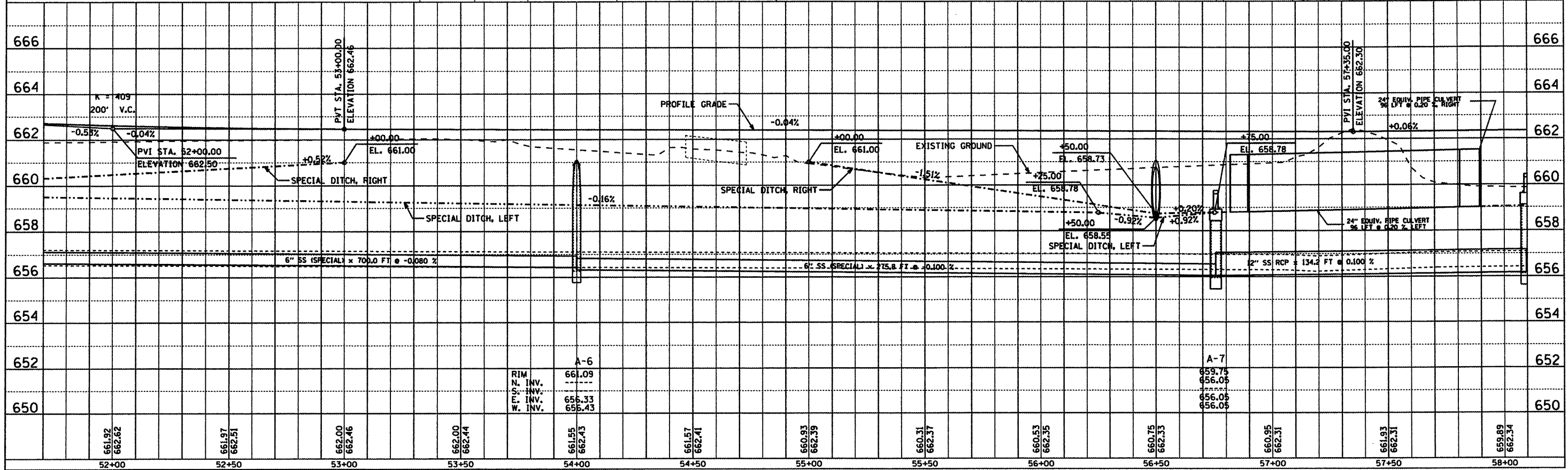
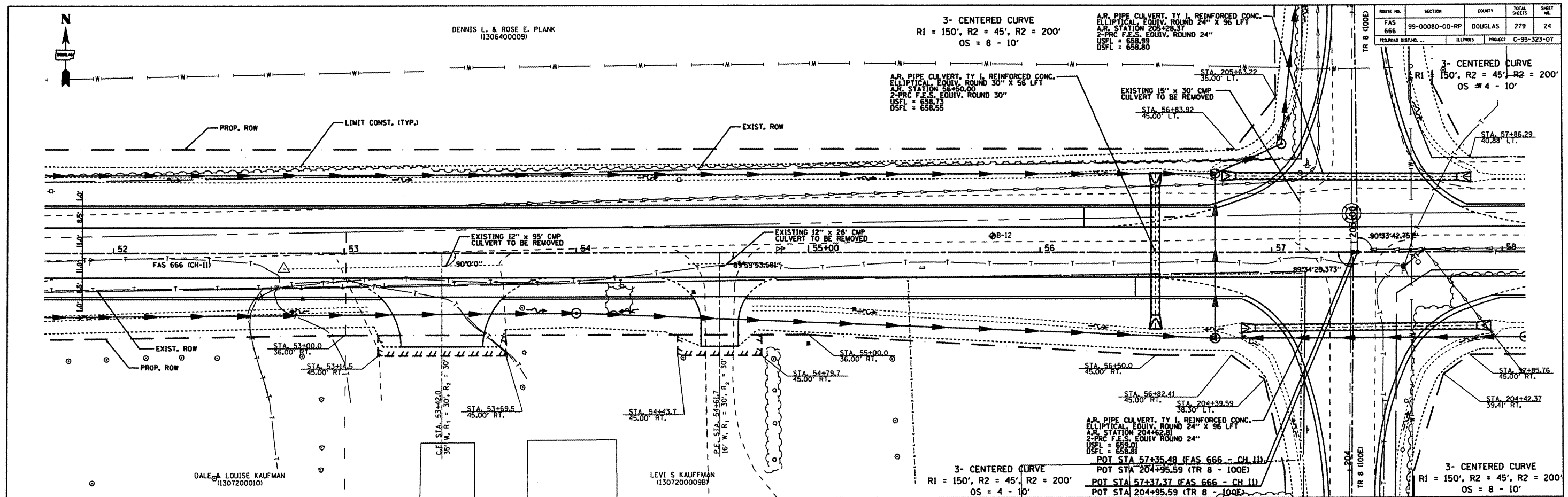
DATE	BY

PROFILE
 PLOTTED
 GRADES CHECKED
 STRUCTURE NOTATIONS OK'D
 NO.

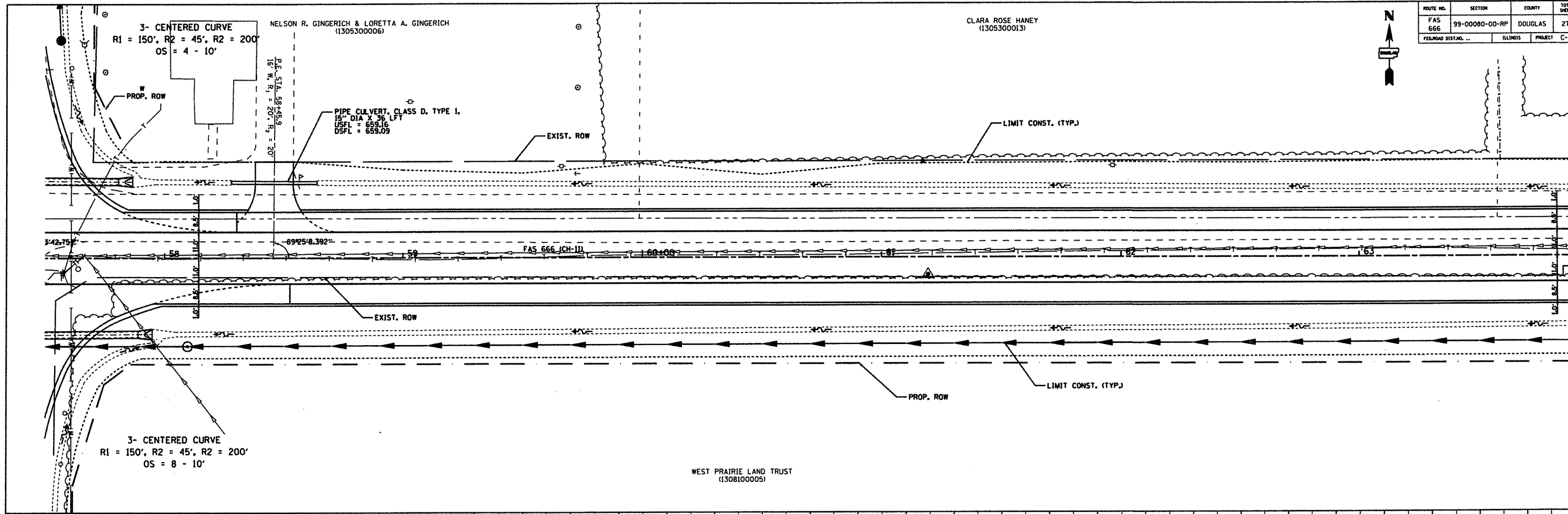


DATE: _____
 BY: _____
 CHECKED: _____
 DATE: _____
 NO. _____
 FILE NAME: _____

DATE: _____
 BY: _____
 CHECKED: _____
 DATE: _____
 NO. _____
 FILE NAME: _____



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-0080-00-RP	DOUGLAS	279	25
FED. ROAD DIST. NO.	ILLINOIS	PROJECT	C-95-323-07	



DATE	BY

PLANNING
APPROVED
REVISIONS
DATE
BY

PLAN
NO. DATE

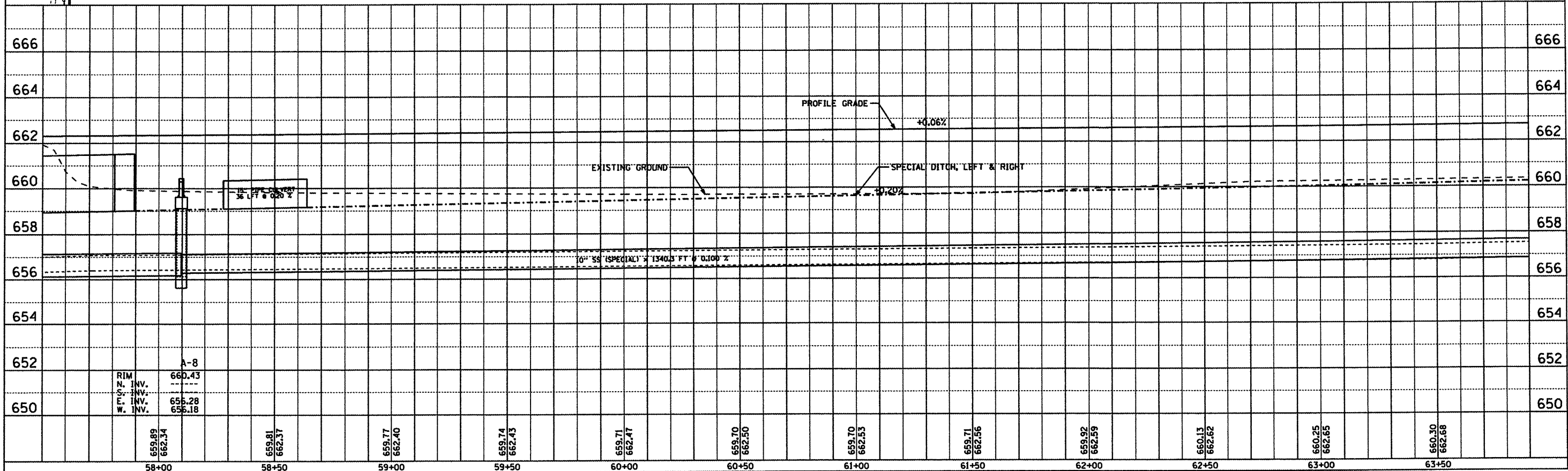
NOTE BOOK NO.

DATE	BY

PROFILES
APPROVED
REVISIONS
DATE
BY

PROFILE
NO. DATE

NOTE BOOK NO.



A-8

RIM N. INV.	660.43
S. INV.	656.28
E. INV.	656.28
W. INV.	656.18

659.89	662.34	659.81	662.37	659.77	662.40	659.74	662.43	659.71	662.47	659.70	662.50	659.70	662.53	659.71	662.56	659.92	662.59	660.13	662.62	660.25	662.65	660.30	662.68	
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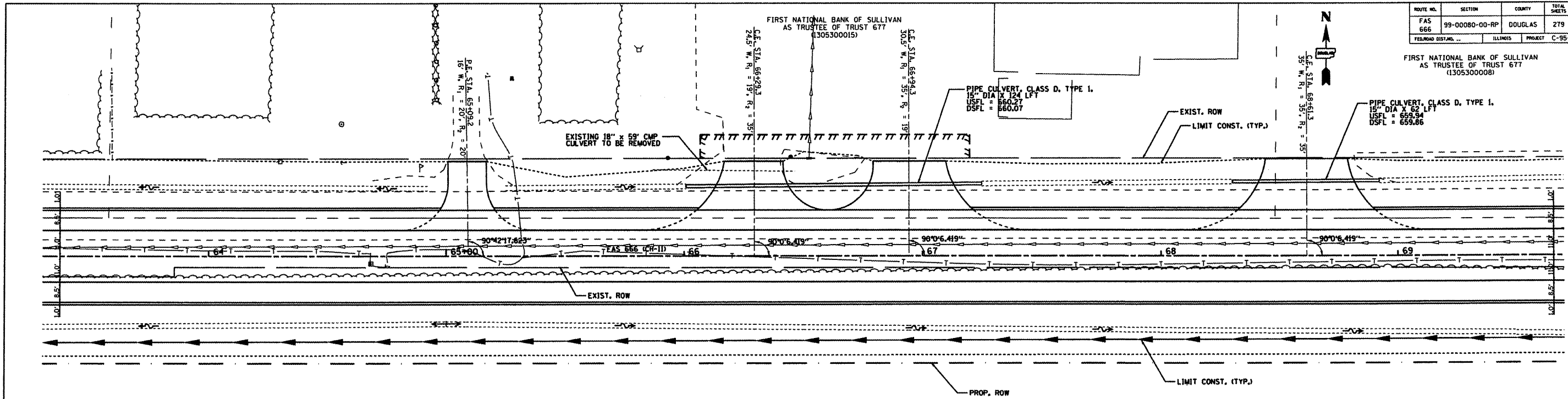
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	26
TOWNSHIP DISTRICT		ILLINOIS	PROJECT C-99-323-07	

FIRST NATIONAL BANK OF SULLIVAN
AS TRUSTEE OF TRUST 677
(1305300008)

DATE	BY

REVISIONS:
1. DATE
2. BY
3. DESCRIPTION

PLAN
NOTE BOOK NO. _____
CADD FILE NAME _____

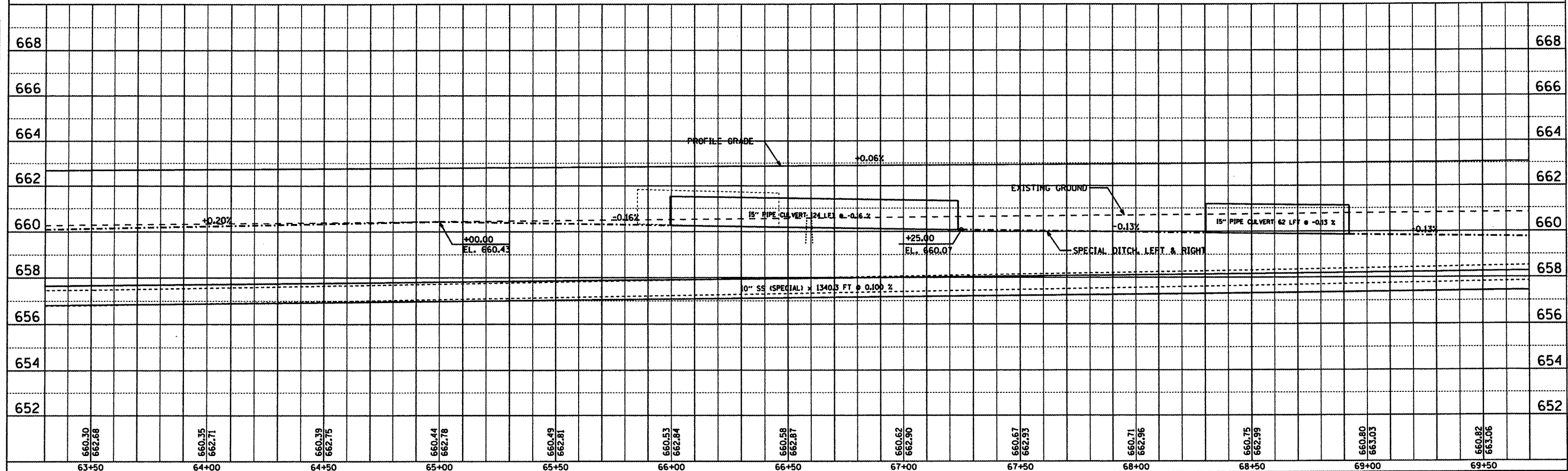


WEST PRAIRIE LAND TRUST
(1308100005)

DATE	BY

REVISIONS:
1. DATE
2. BY
3. DESCRIPTION

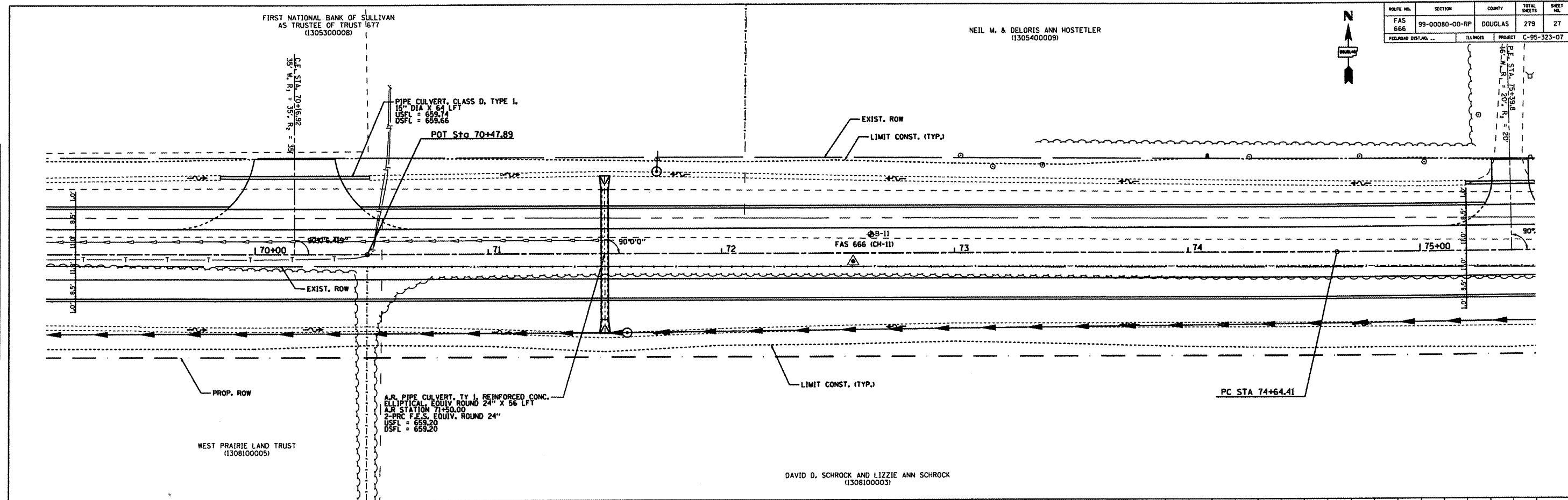
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NOTE BOOK NO. _____
CADD FILE NAME _____



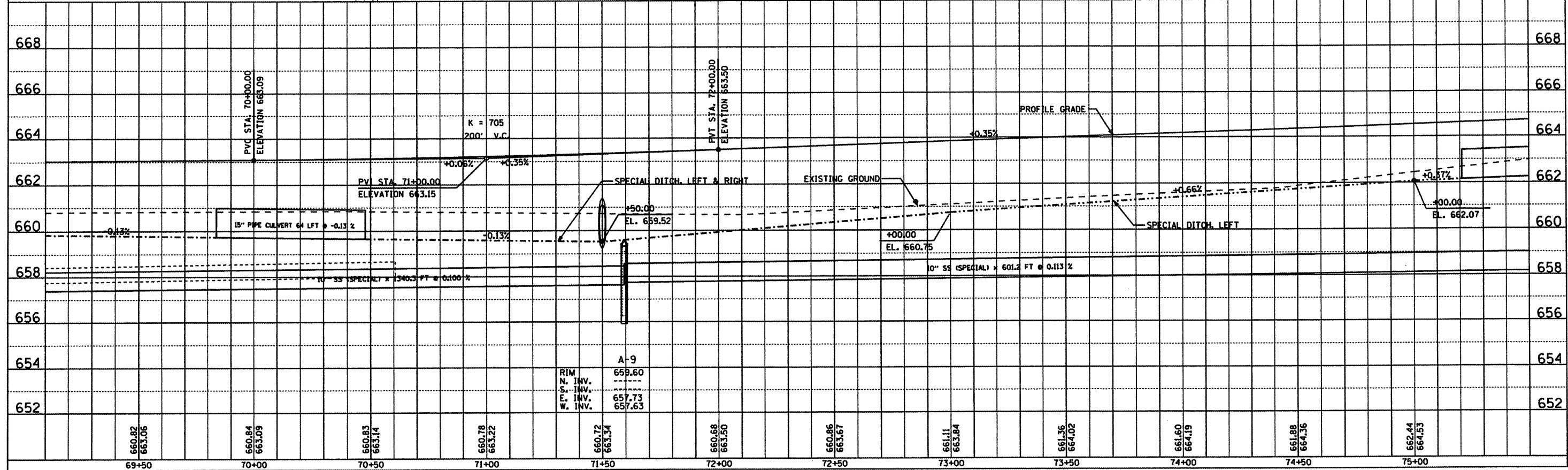
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	27
VOLUME DIST. NO.		ILLINOIS	PROJECT C-95-323-07	



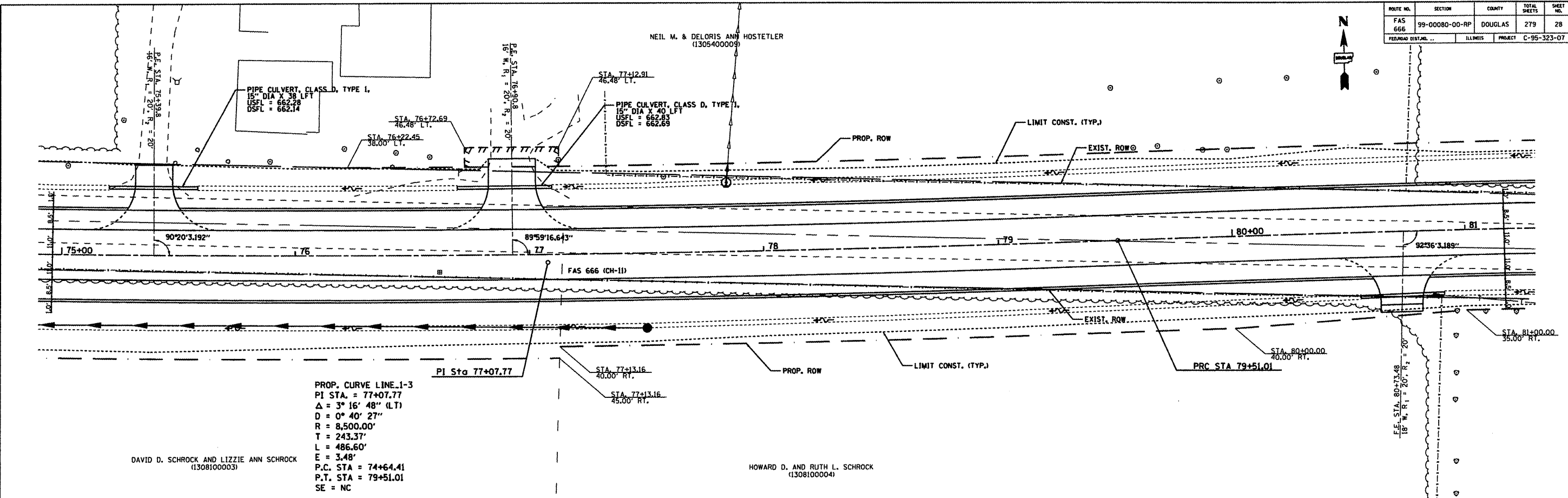
DATE	BY



DATE	BY



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	28
FED. ROAD DIST. NO.	ILLINOIS	PROJECT	C-95-323-07	



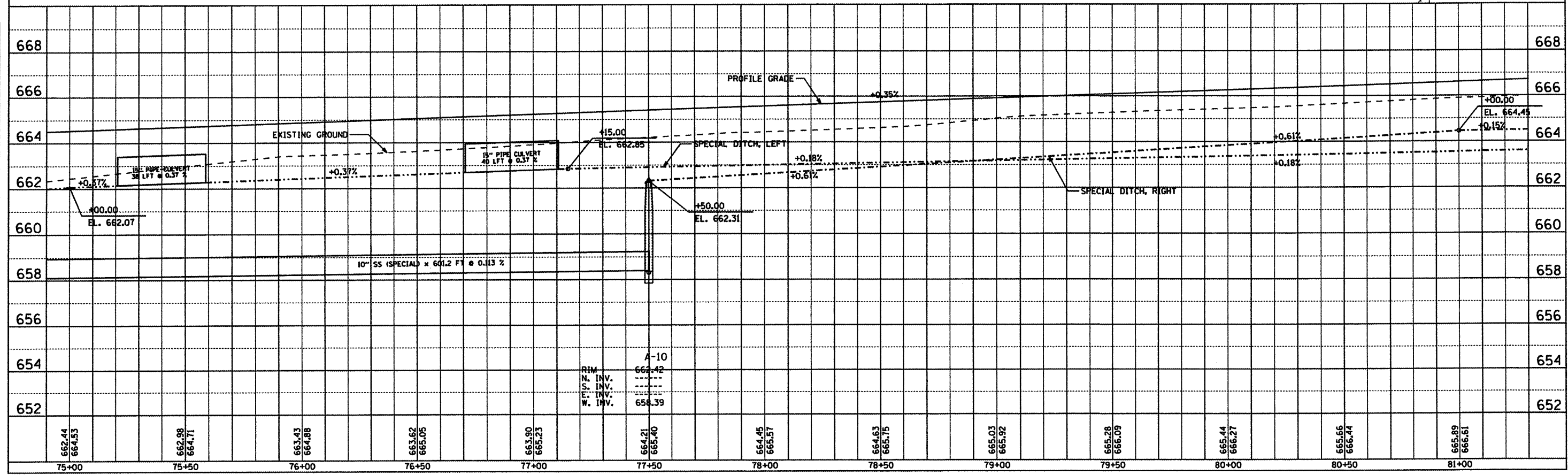
PROP. CURVE LINE 1-3
 PI STA. = 77+07.77
 $\Delta = 3^\circ 16' 48''$ (LT)
 $D = 0^\circ 40' 27''$
 $R = 8,500.00'$
 $T = 243.37'$
 $L = 486.60'$
 $E = 3.48'$
 P.C. STA = 74+64.41
 P.T. STA = 79+51.01
 SE = NC

DAVID D. SCHROCK AND LIZZIE ANN SCHROCK
 (1308100003)

HOWARD D. AND RUTH L. SCHROCK
 (1308100004)

DATE	
BY	
REVISIONS	
PROFILES	
ALIGNED	
NOTE BOOK	
NO.	
FILE NAME	

DATE	
BY	
REVISIONS	
PROFILES	
ALIGNED	
NOTE BOOK	
NO.	
FILE NAME	



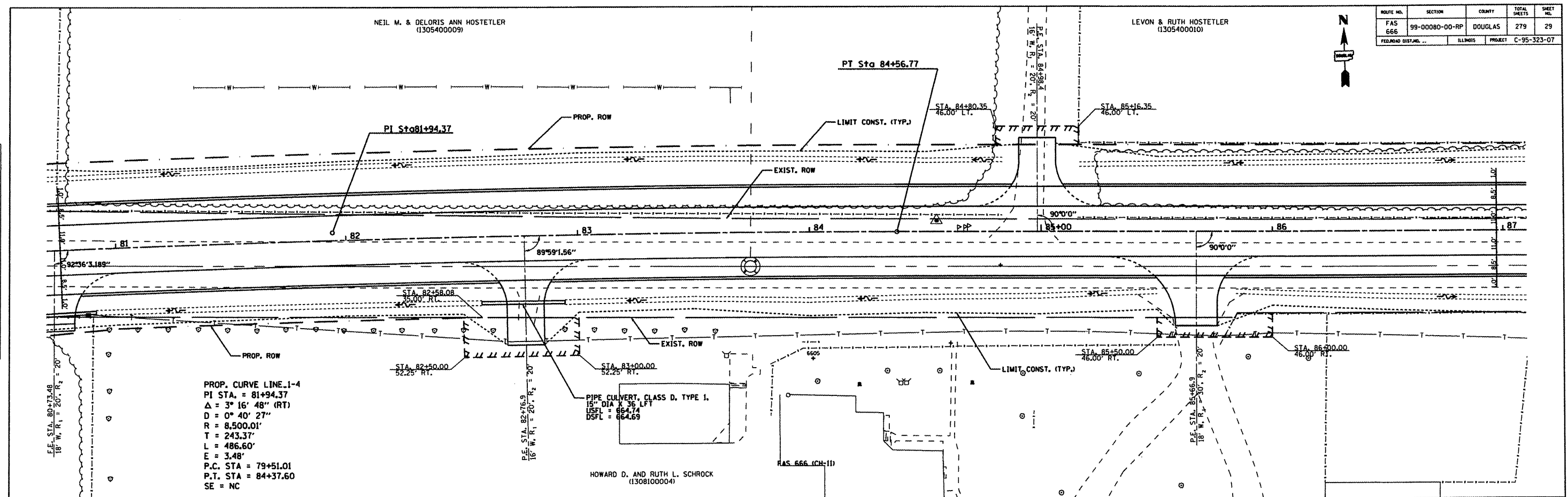
A-10
 RIM INV. 662.42
 S. INV. 658.39
 W. INV. 658.39

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	29
FEDERAL DISTRICT ...		ILLINOIS	PROJECT C-95-323-07	



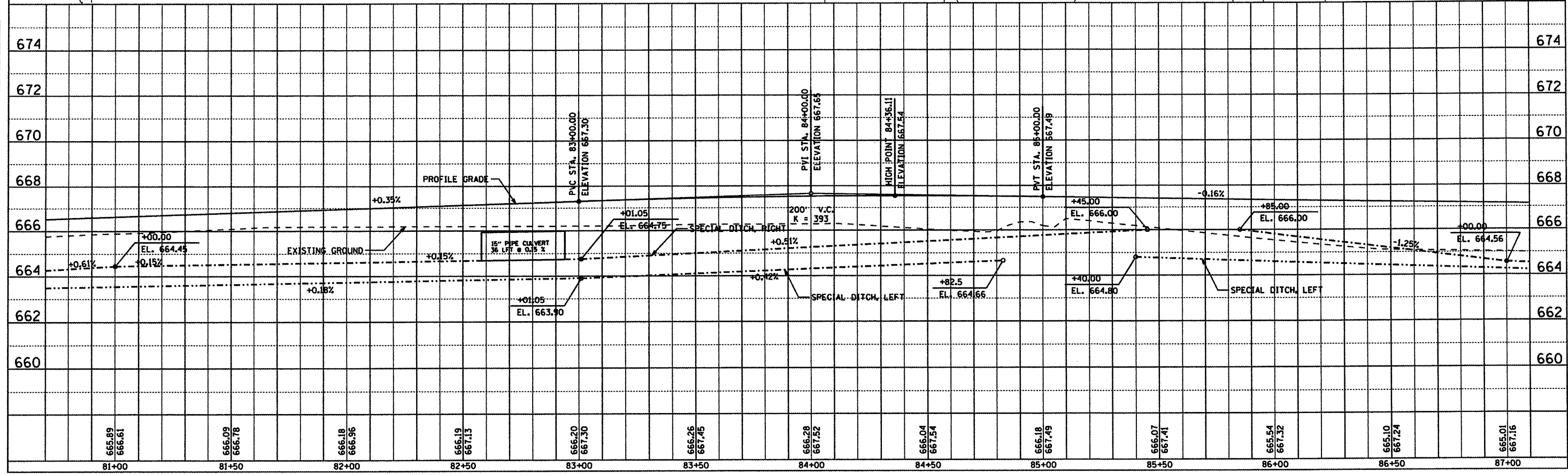
DATE	BY

NO.	DESCRIPTION

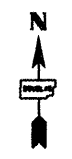


DATE	BY

NO.	DESCRIPTION

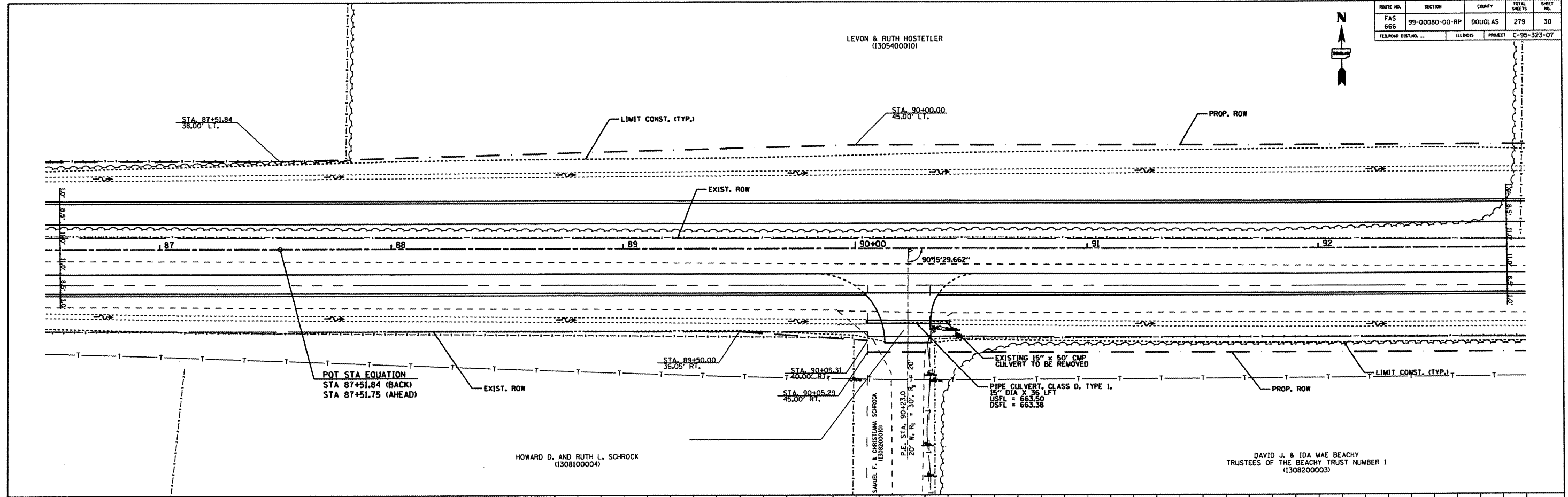


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	30
FED/ROAD DIST. NO.	ILLINOIS	PROJECT	C-95-323-07	



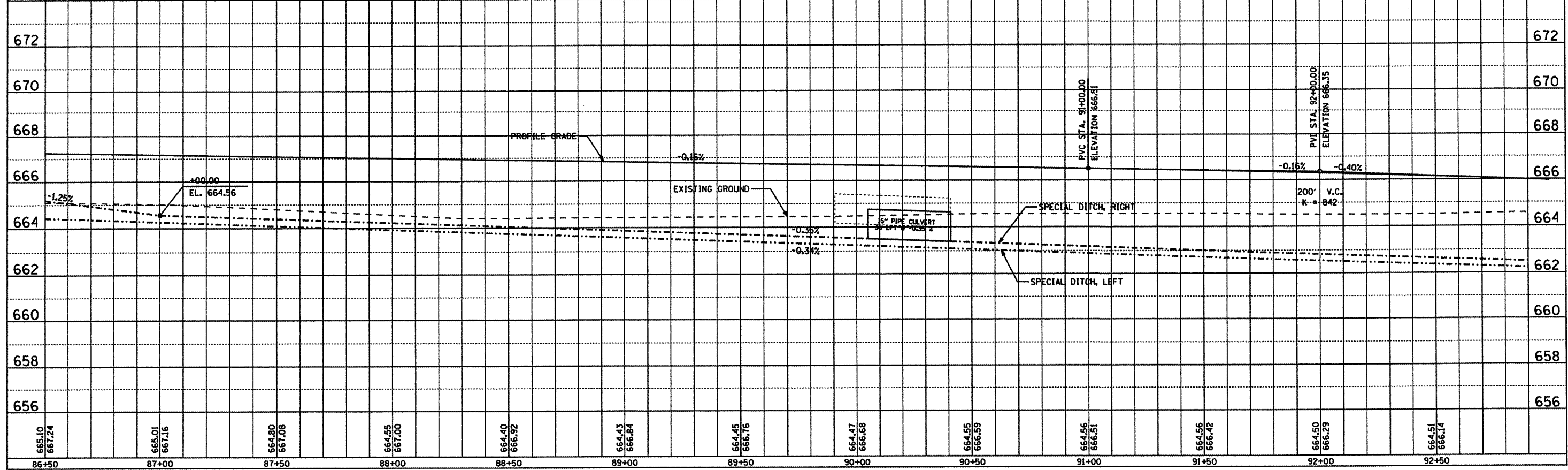
DATE	BY

PLAN
 SURVEYED
 PLOTTED
 NOTE BOOK NO. _____
 DATE OF SURVEY _____
 DATE OF PLOTTING _____
 DRAWN BY _____
 CHECKED BY _____
 FILE NAME _____

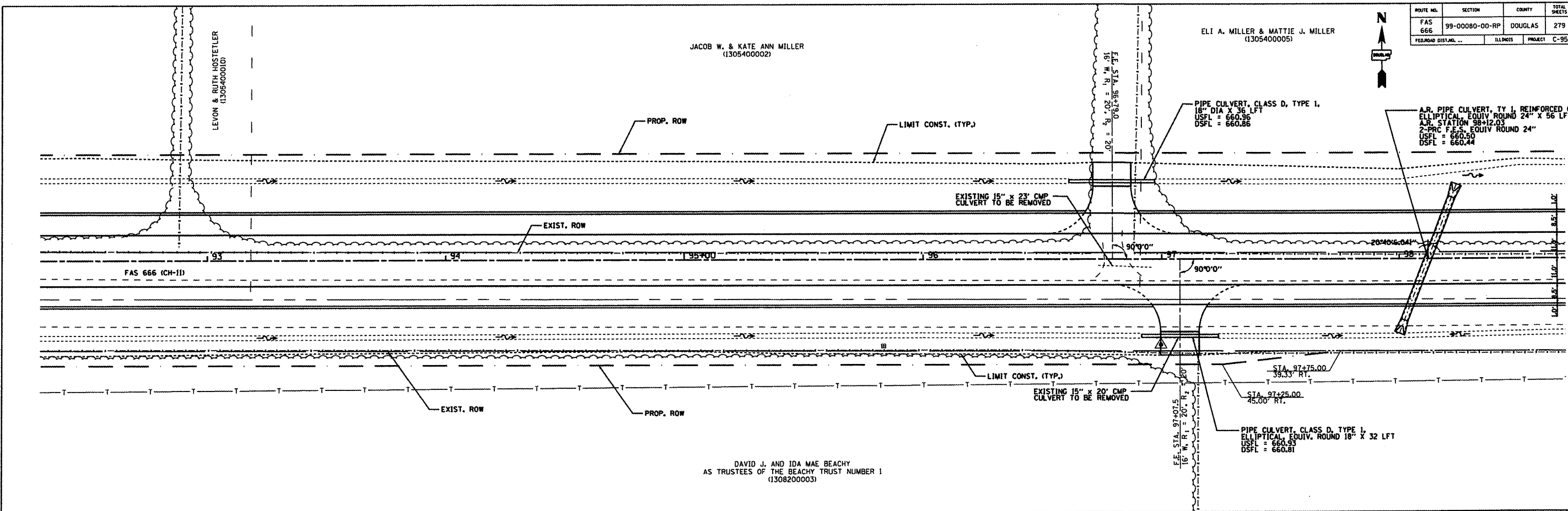


DATE	BY

PROFILE
 SURVEYED
 PLOTTED
 NOTE BOOK NO. _____
 DATE OF SURVEY _____
 DATE OF PLOTTING _____
 DRAWN BY _____
 CHECKED BY _____
 FILE NAME _____



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	31
FED. ROAD DIST. NO. ...		ILLINOIS	PROJECT C-95-323-07	



PLAN

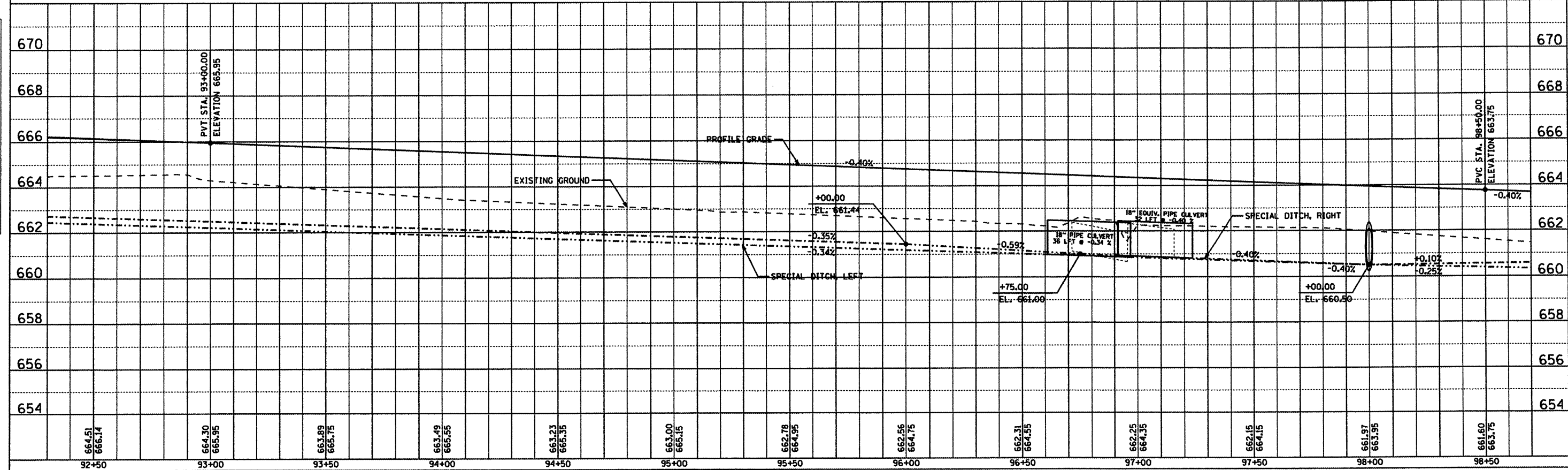
DATE	BY

SURVEYED BY: _____
 CHECKED BY: _____
 ALIGNED BY: _____
 NOTE BOOK NO.: _____
 PLANNED FILE NAME: _____

PROFILE

DATE	BY

SURVEYED BY: _____
 CHECKED BY: _____
 GRADES CHECKED BY: _____
 STRUCTURE NOTATIONS OK'D BY: _____
 NOTE BOOK NO.: _____

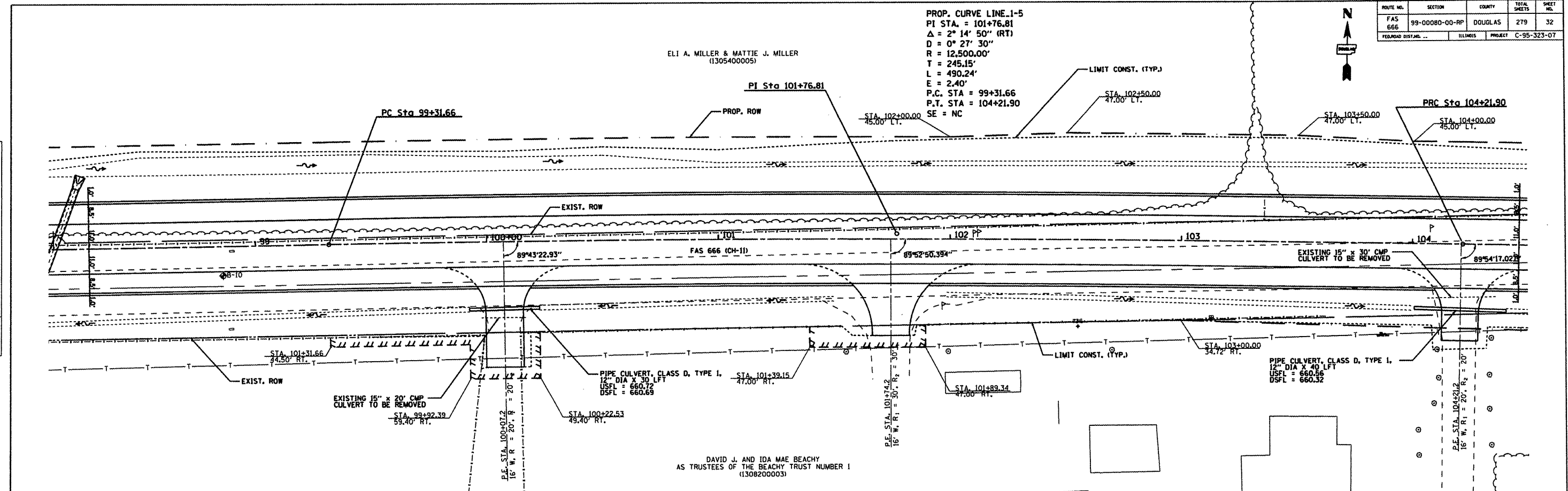


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	32
FED. ROAD DIST. NO.	ILLINOIS	PROJECT	C-95-323-07	

PROP. CURVE LINE 1-5
 PI STA. = 101+76.81
 $\Delta = 2^\circ 14' 50''$ (RT)
 $D = 0^\circ 27' 30''$
 $R = 12,500.00'$
 $T = 245.15'$
 $L = 490.24'$
 $E = 2.40'$
 P.C. STA = 99+31.66
 P.T. STA = 104+21.90
 SE = NC

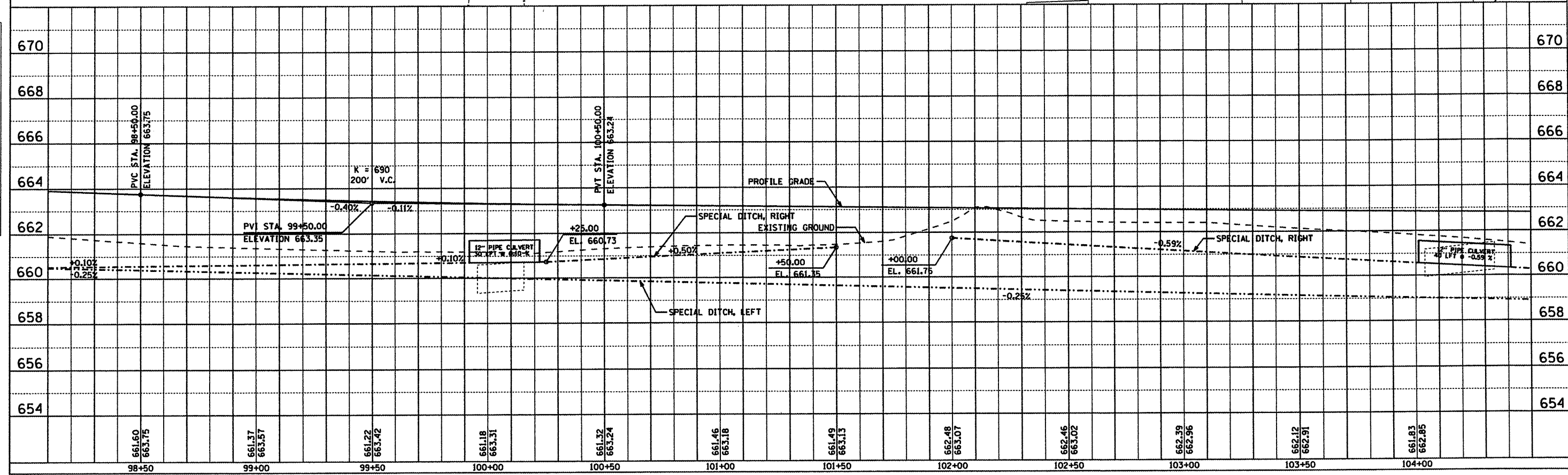


PLAN	DATE
BY	
CHECKED	
DATE	
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DAVID J. AND IDA MAE BEACHY
 AS TRUSTEES OF THE BEACHY TRUST NUMBER 1
 (1308200003)

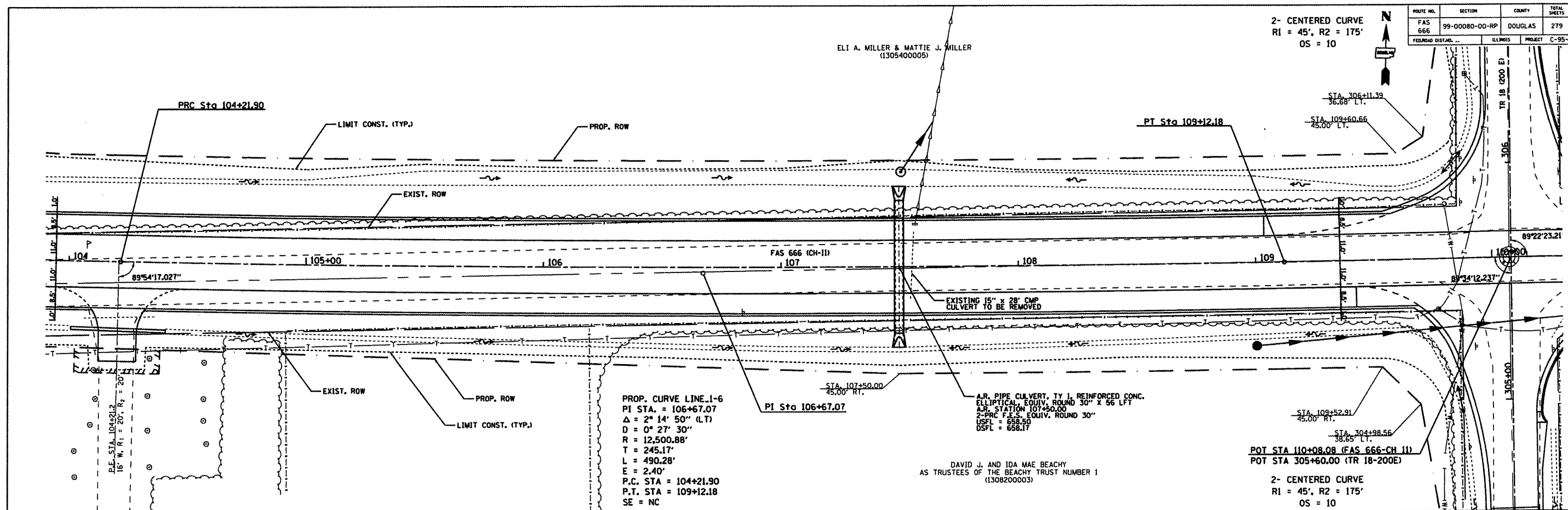
PROFILE	DATE
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CHECKED	
DATE	
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2- CENTERED CURVE
 R1 = 45', R2 = 175'
 OS = 10

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	33
FEDERAL DISTRICT	ILLINOIS	PROJECT	C-95-323-07	

PLAN	DATE	BY
EXEMPTED FROM RECORD		
NOTE BOOK NO.		
NO. OF SHEETS		
FILE NAME		



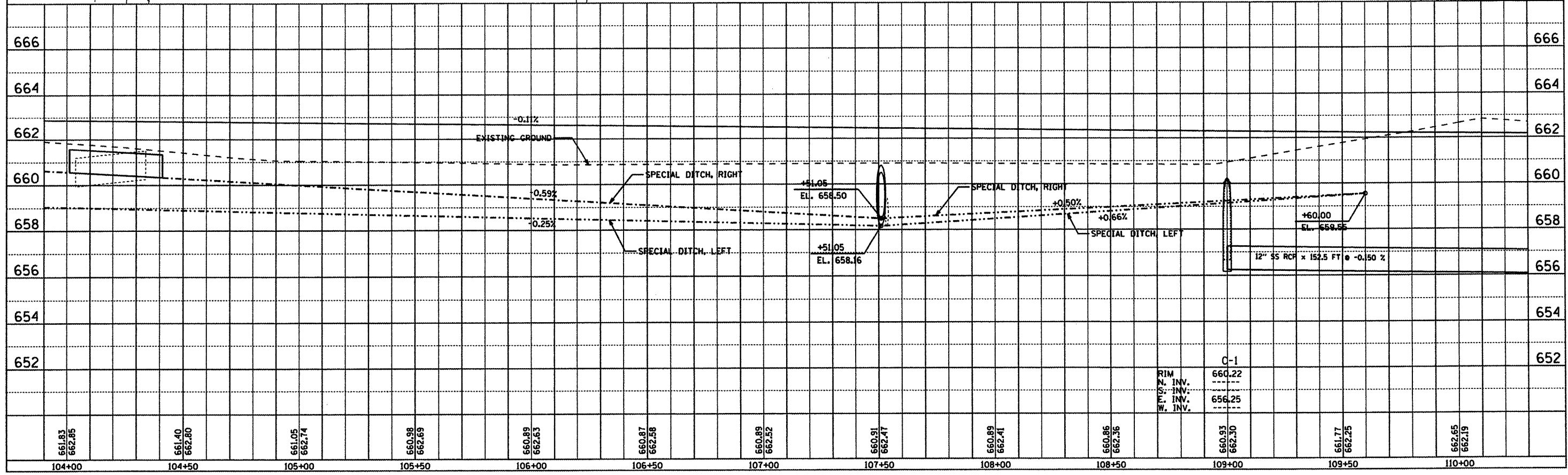
PROP. CURVE LINE 1-6
 PI STA. = 106+67.07
 $\Delta = 2^\circ 14' 50''$ (L.T.)
 $D = 0^\circ 27' 30''$
 $R = 12,500.88'$
 $T = 245.17'$
 $L = 490.28'$
 $E = 2.40'$
 P.C. STA = 104+21.90
 P.T. STA = 109+12.18
 SE = NC

DAVID J. AND IDA MAE BEACHY
 AS TRUSTEES OF THE BEACHY TRUST NUMBER 1
 (130820003)

POT STA 110+08.08 (FAS 666-CH 11)
 POT STA 305+60.00 (TR 18-200E)

2- CENTERED CURVE
 R1 = 45', R2 = 175'
 OS = 10

PROFILE	DATE	BY
EXEMPTED FROM RECORD		
NOTE BOOK NO.		
NO. OF SHEETS		
FILE NAME		



RIM
 N. INV.
 F. INV.
 W. INV.

C-1

660.22
 656.25

661.83
 662.85

661.40
 662.80

661.05
 662.74

660.98
 662.69

660.89
 662.63

660.87
 662.58

660.89
 662.52

660.91
 662.47

660.89
 662.41

660.86
 662.36

660.93
 662.30

661.77
 662.25

662.65
 662.19

104+00

104+50

105+00

105+50

106+00

106+50

107+00

107+50

108+00

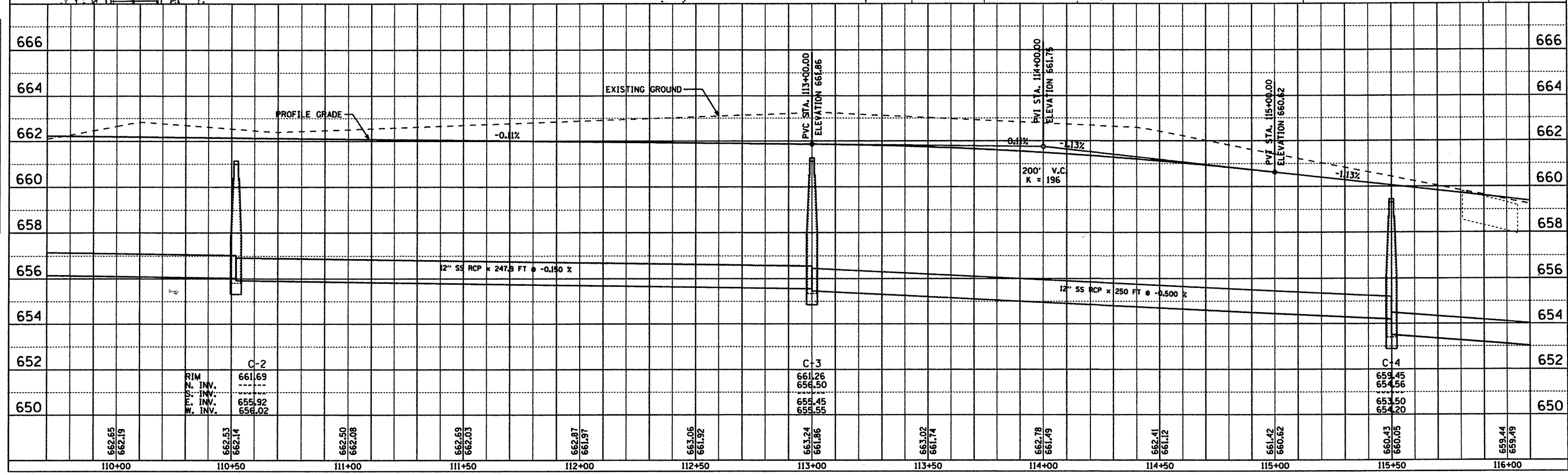
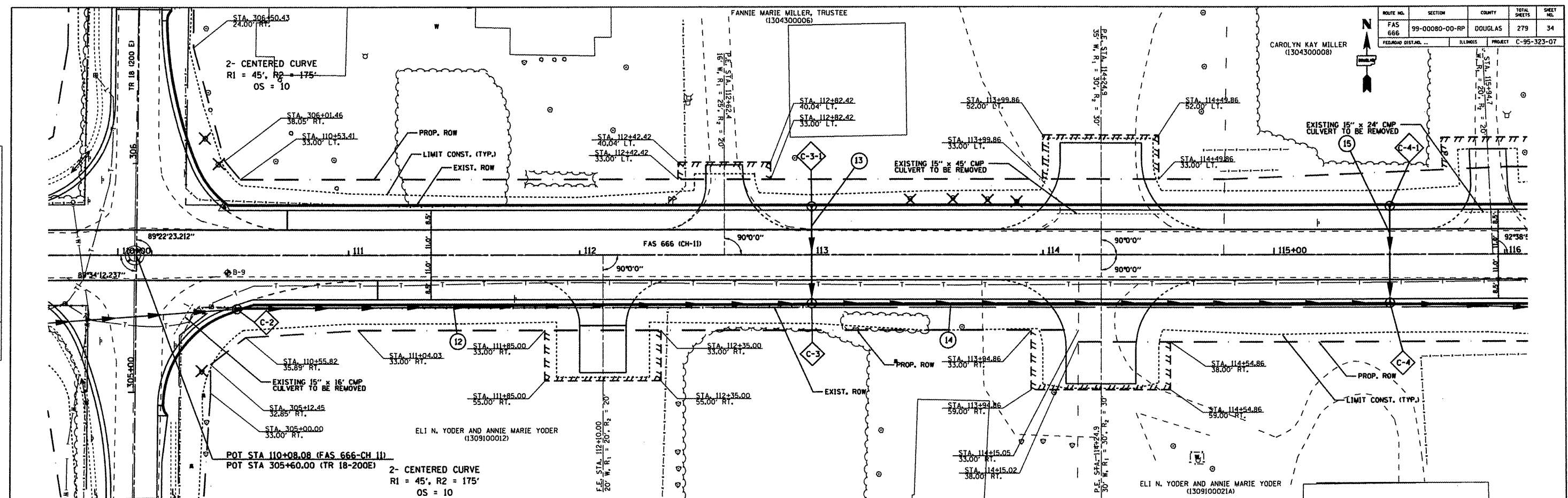
108+50

109+00

109+50

110+00

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	34



PLAN

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BY	
REVISIONS	
NO. 1	
NO. 2	
NO. 3	
NO. 4	

PROFILE

DATE	
BY	
REVISIONS	
NO. 1	
NO. 2	
NO. 3	
NO. 4	

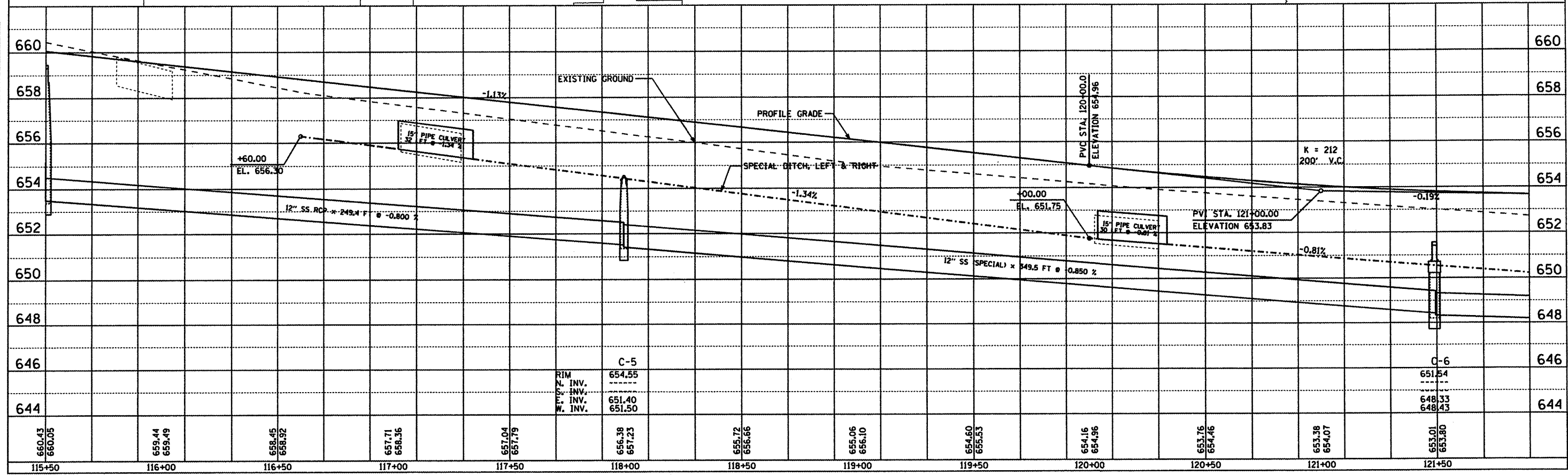
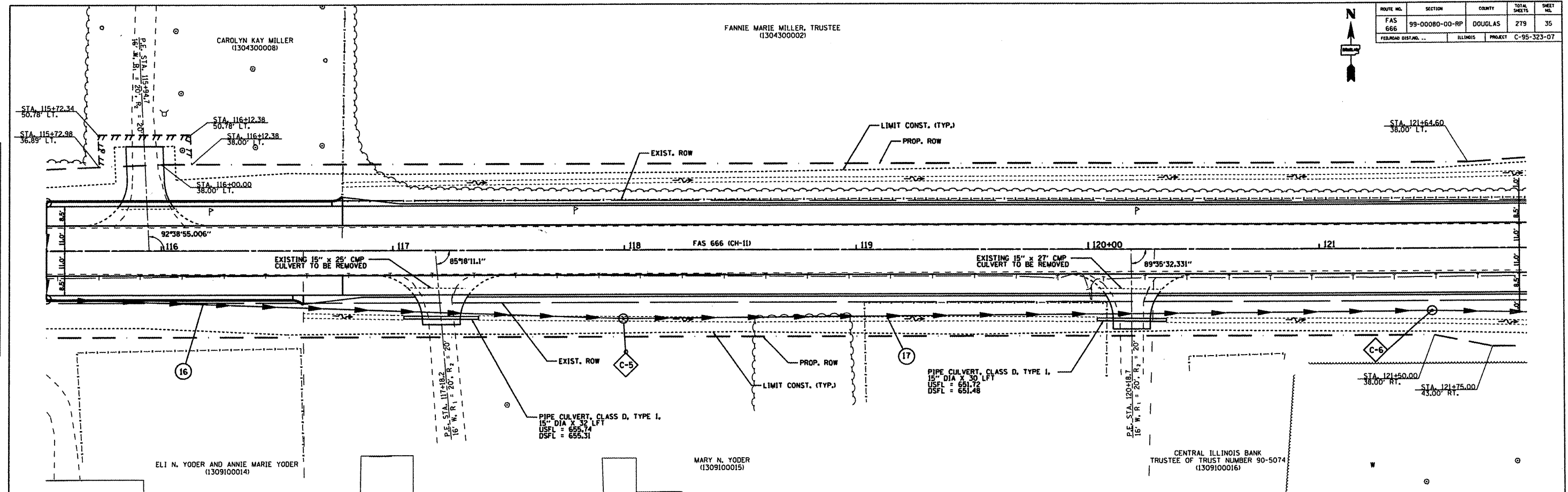
STATION	RIM	N. INV.	C. INV.	P.S. INV.	W. INV.
110+00	662.65	662.19			
111+00	662.53	662.14	661.69		
112+00	662.50	662.08			
113+00	663.24	661.86	661.26	659.50	658.50
114+00	662.78	661.49			
115+00	661.42	660.62			
116+00	659.44	659.49			

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	35
FEDERAL DIST. NO.	ILLINOIS PROJECT	C-95-323-07		

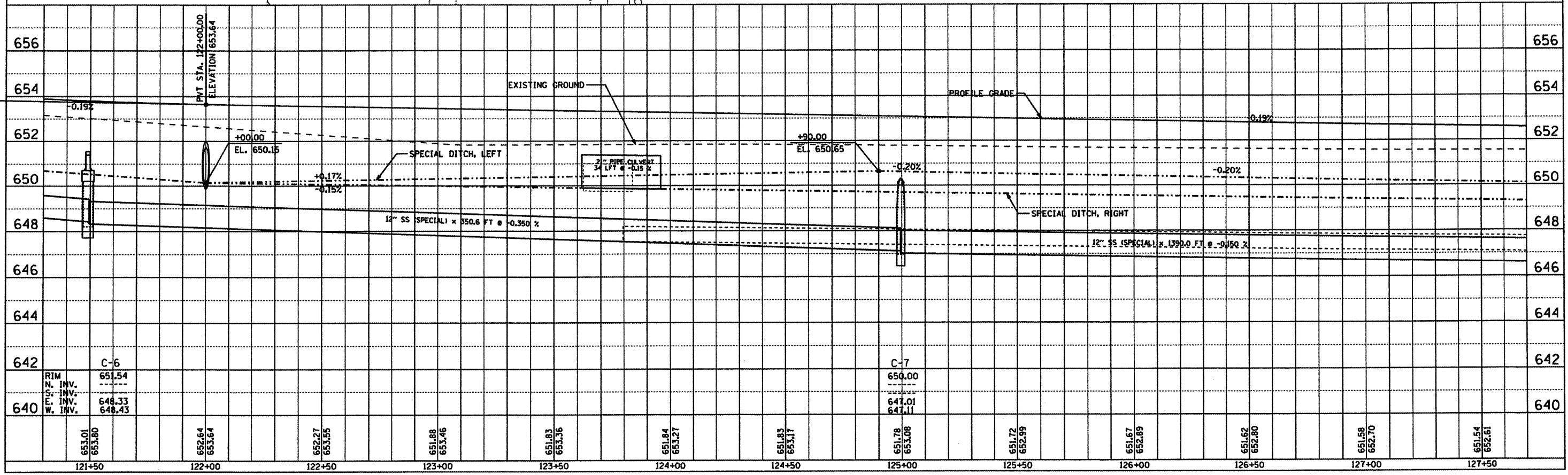
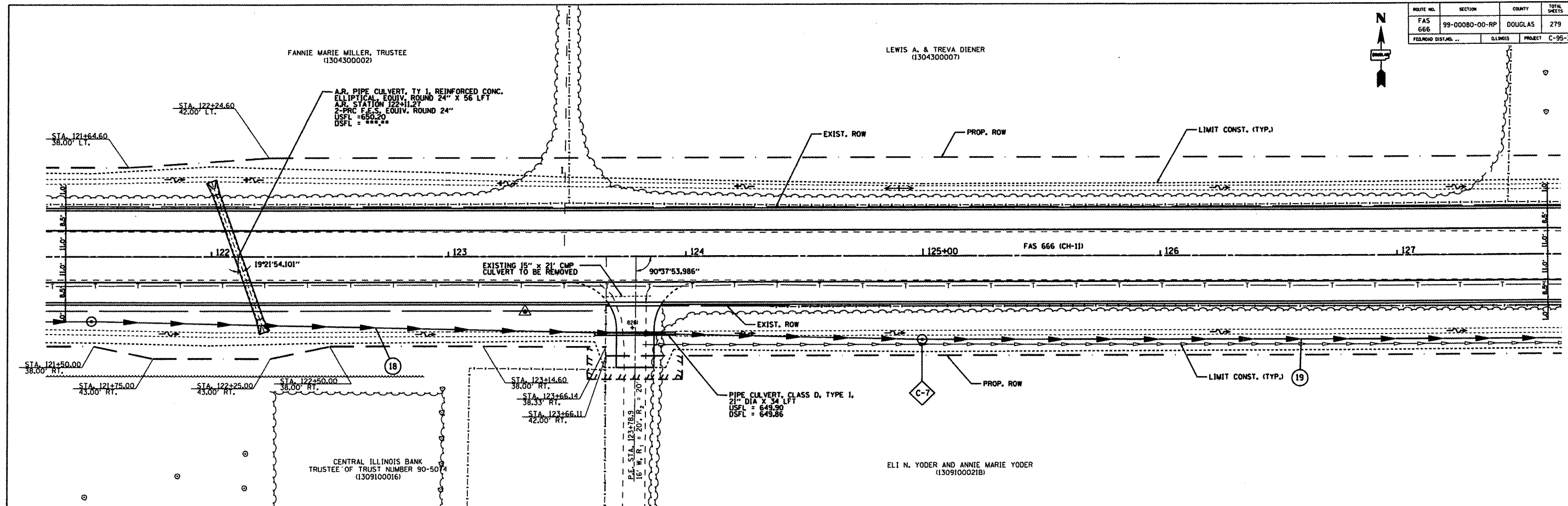


DATE	BY

DATE	BY



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-0080-00-RP	DOUGLAS	279	36
FEDERAL DIST. NO.	ILLINOIS	PROJECT	C-95-323-07	



DATE	BY

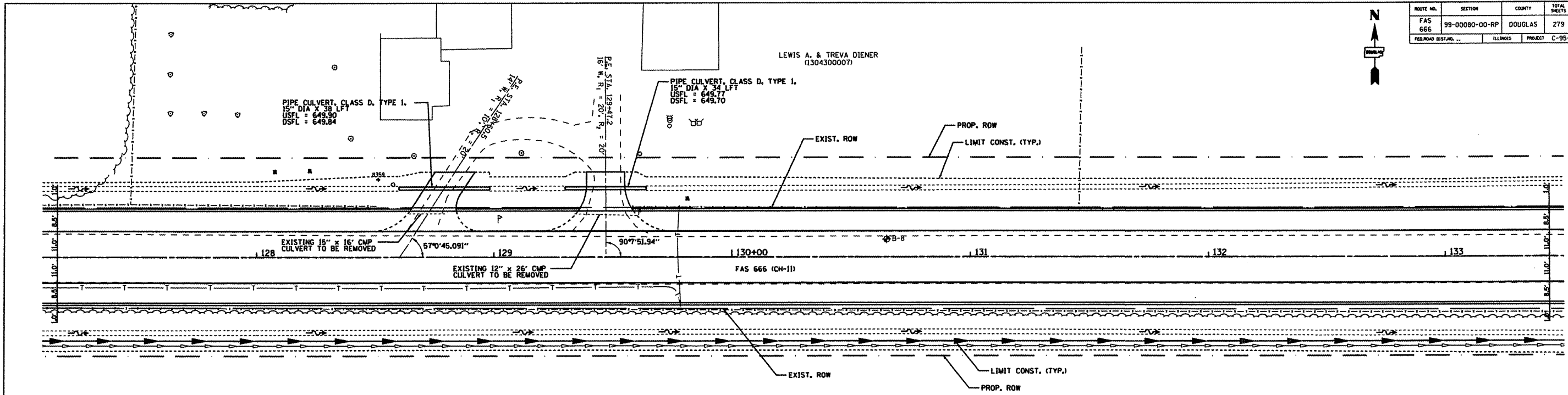
DATE	BY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	37
FED. ROAD DIST. NO.		ILLINOIS	PROJECT C-96-323-07	

DATE	BY	REVISION

PLAN

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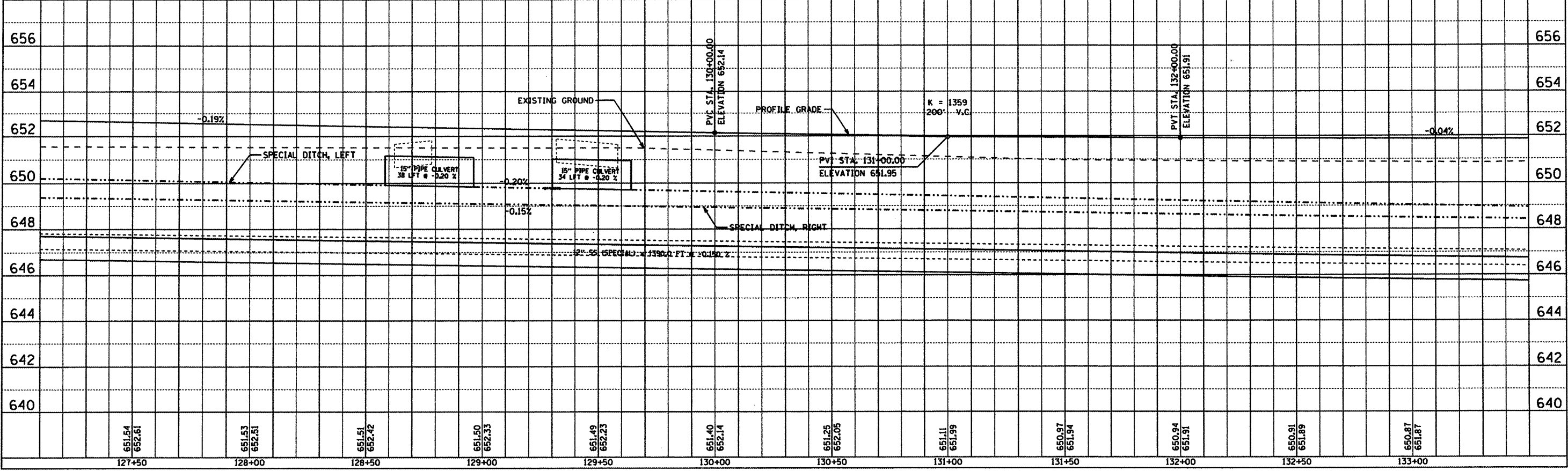


ELI N. YODER AND ANNIE MARIE YODER
(1309100021B)

DATE	BY	REVISION

PROFILE

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 CHECKED BY: []
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 STRUCTURE NO.: []

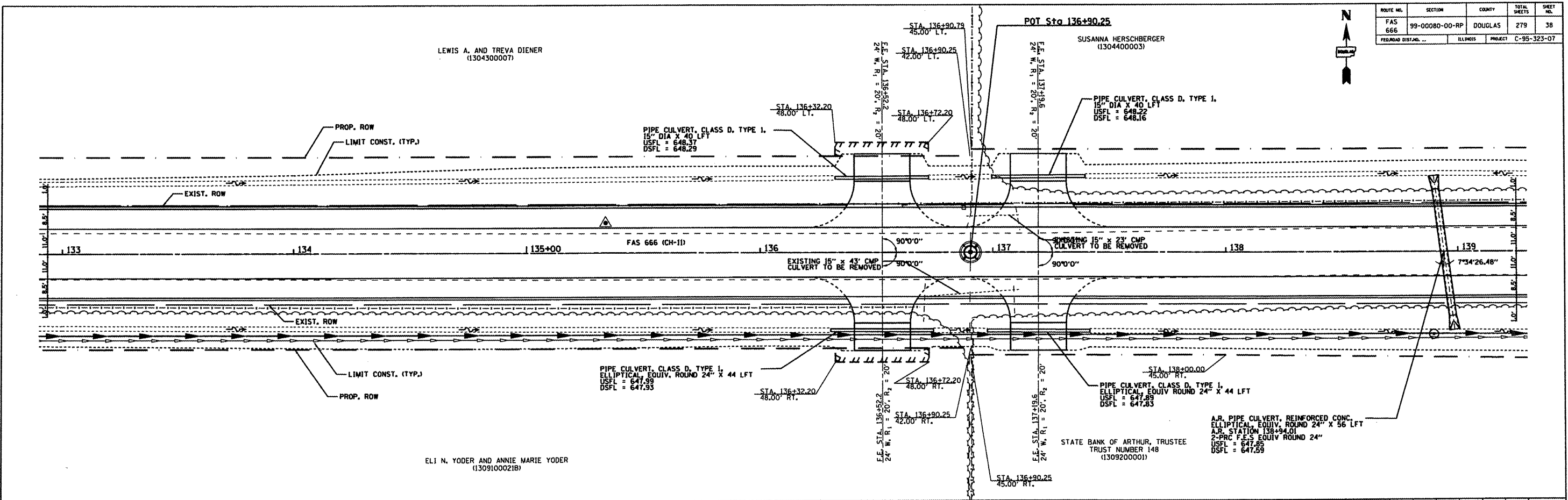


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	38
FEDERAL DIST. NO.	ILLINOIS	PROJECT	C-95-323-07	



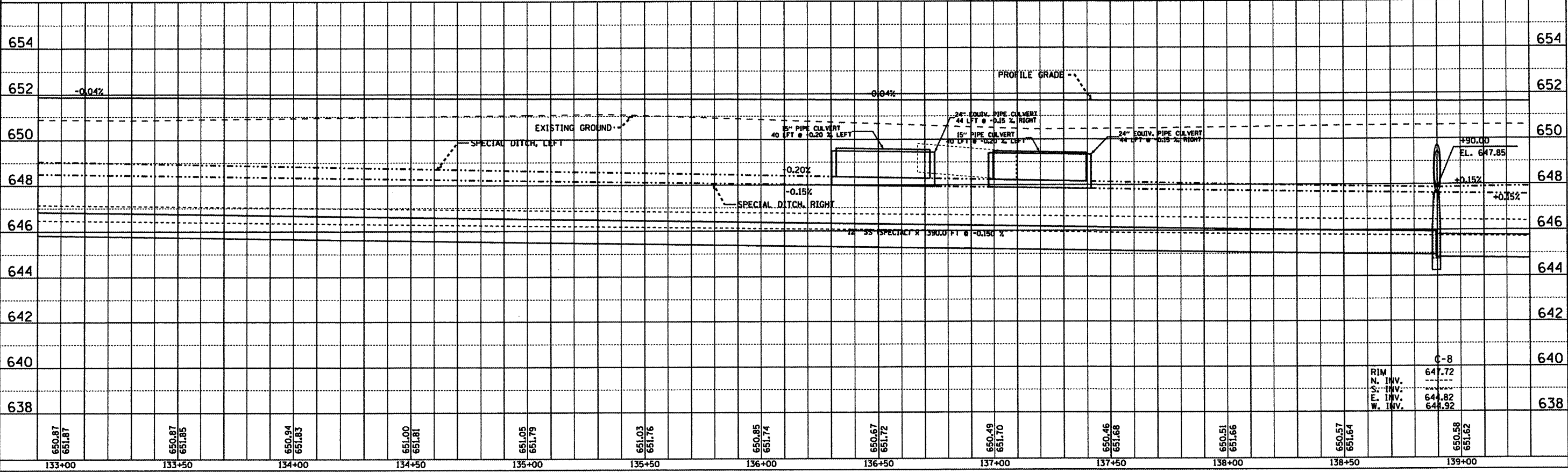
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PLAN	REVISION	DATE	BY



DATE	BY

PROFILE	REVISION	DATE	BY



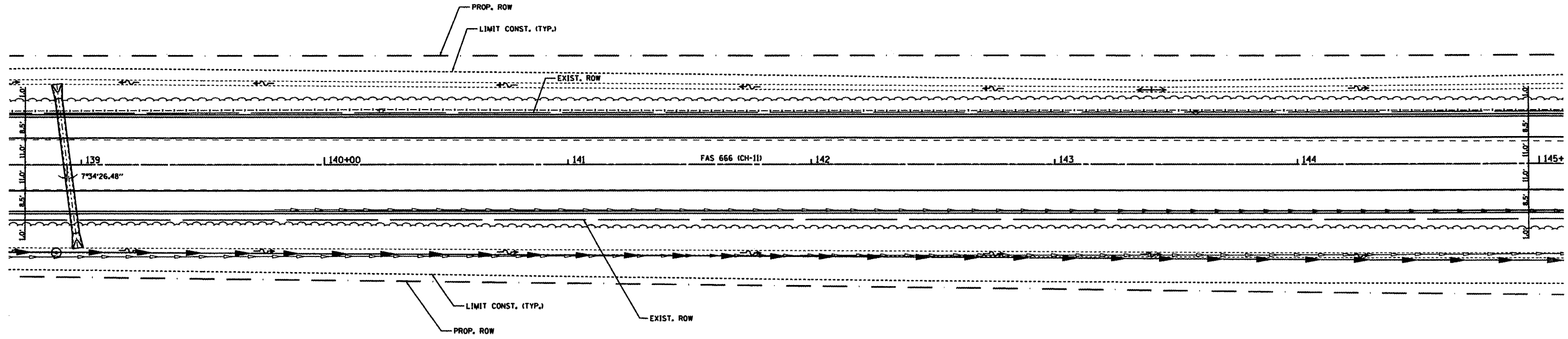
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FAS 666	99-0080-00-RP	DOUGLAS	279	39
FED. ROAD DIST. NO.	ILLINOIS	PROJECT	C-95-323-07	

SUSANNA HERSCHBERGER
(1304400003)



DATE	BY

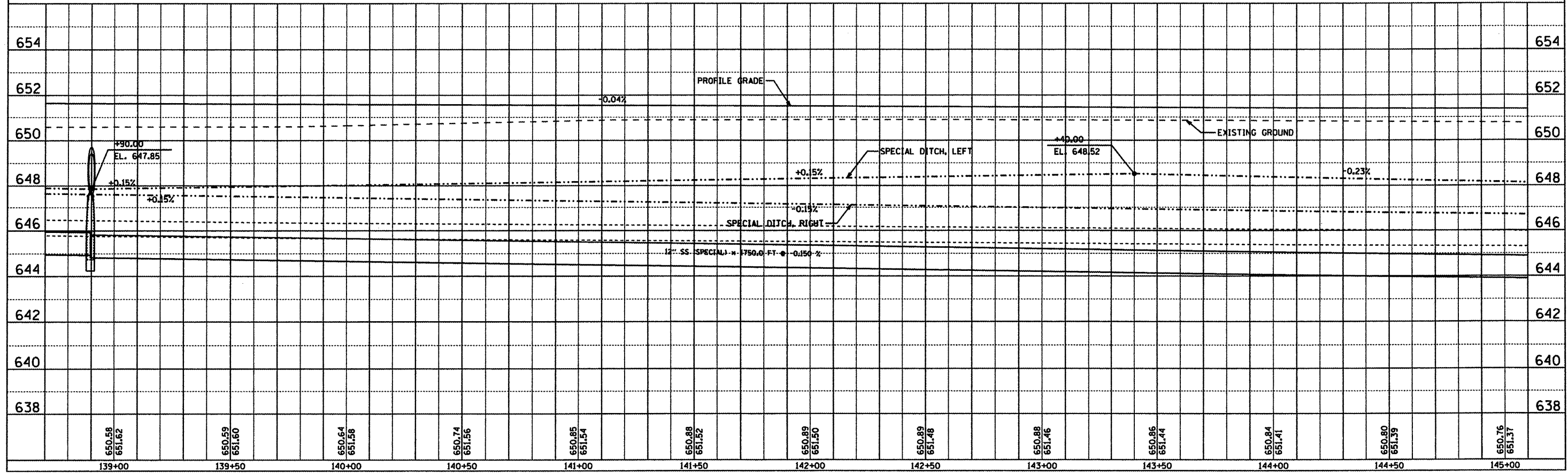
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STATE BANK OF ARTHUR, TRUSTEE
TRUST NUMBER 148
(1309200001)

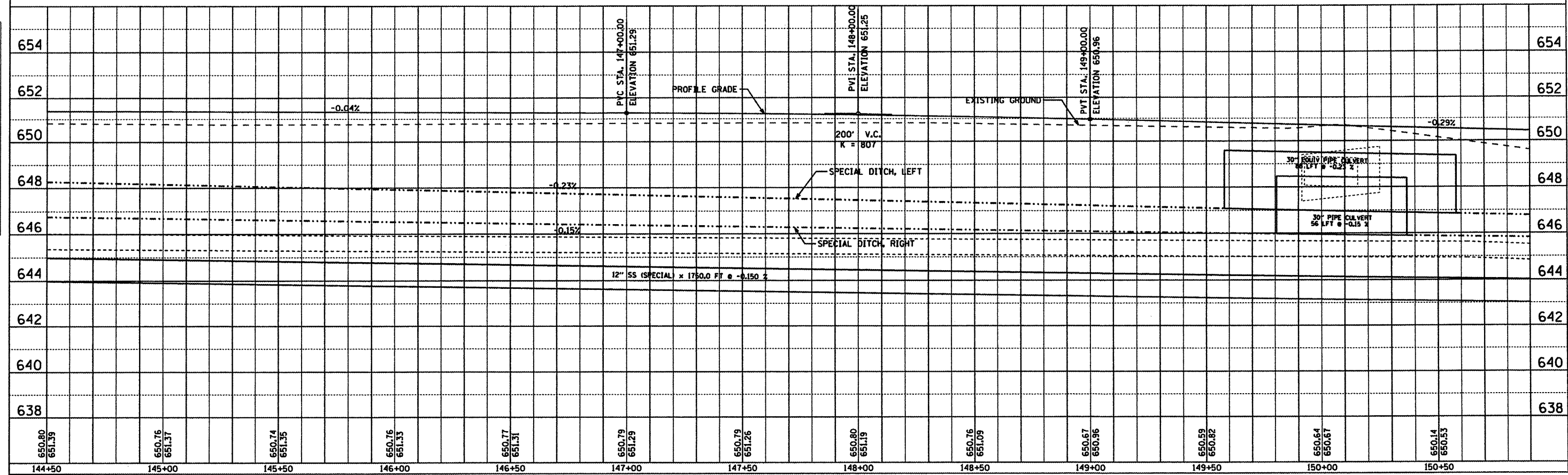
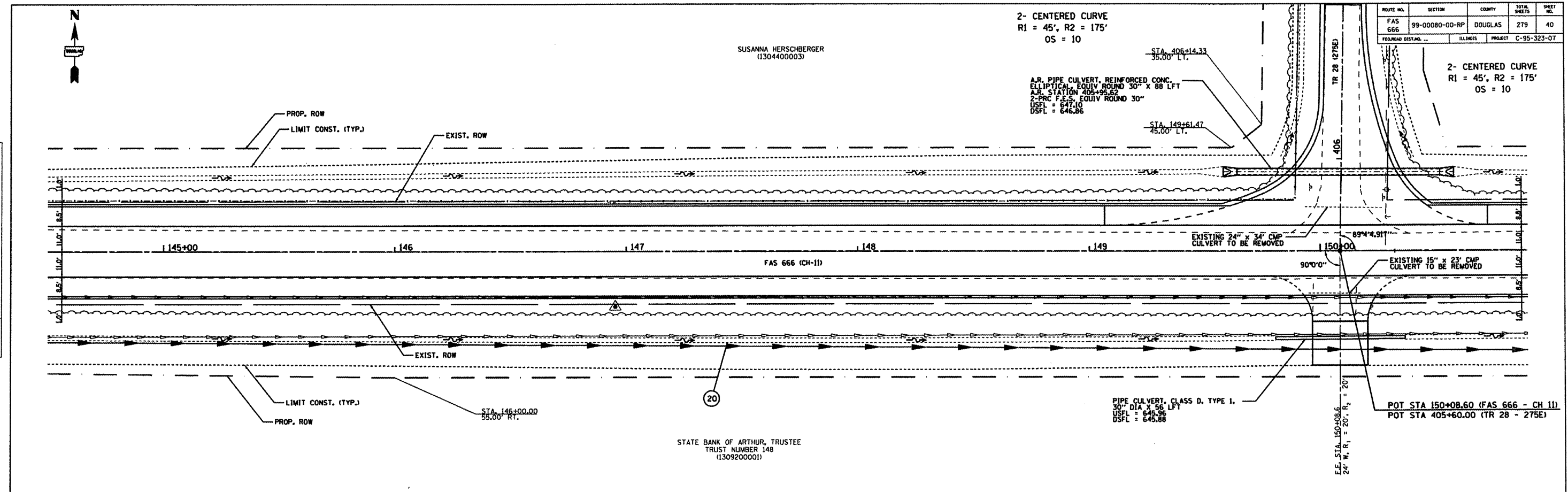
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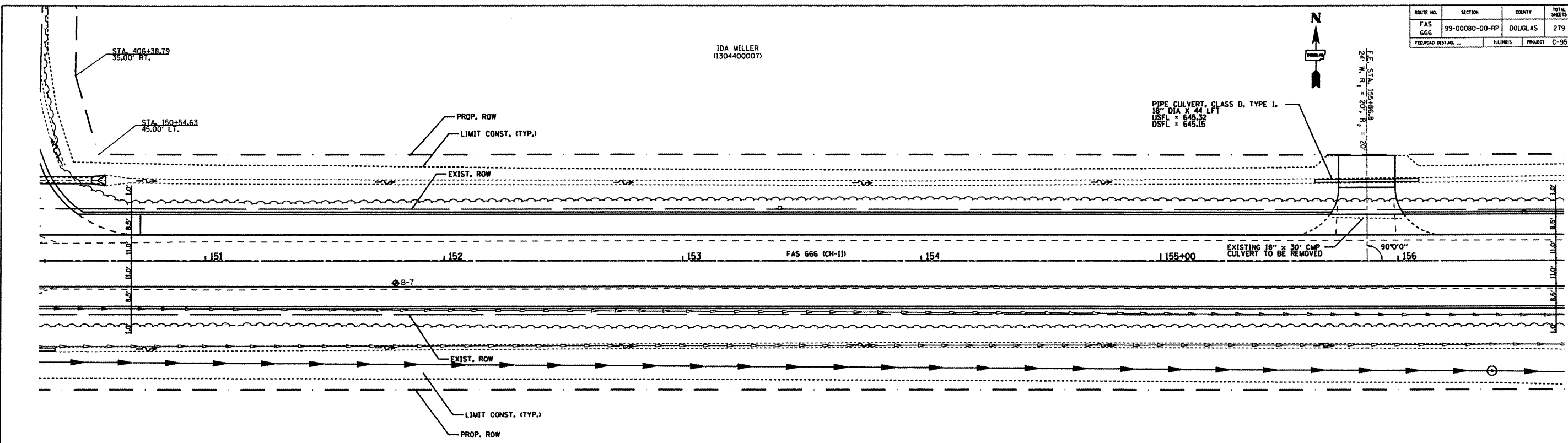
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BY	
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PAVEMENT	
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NOTES	
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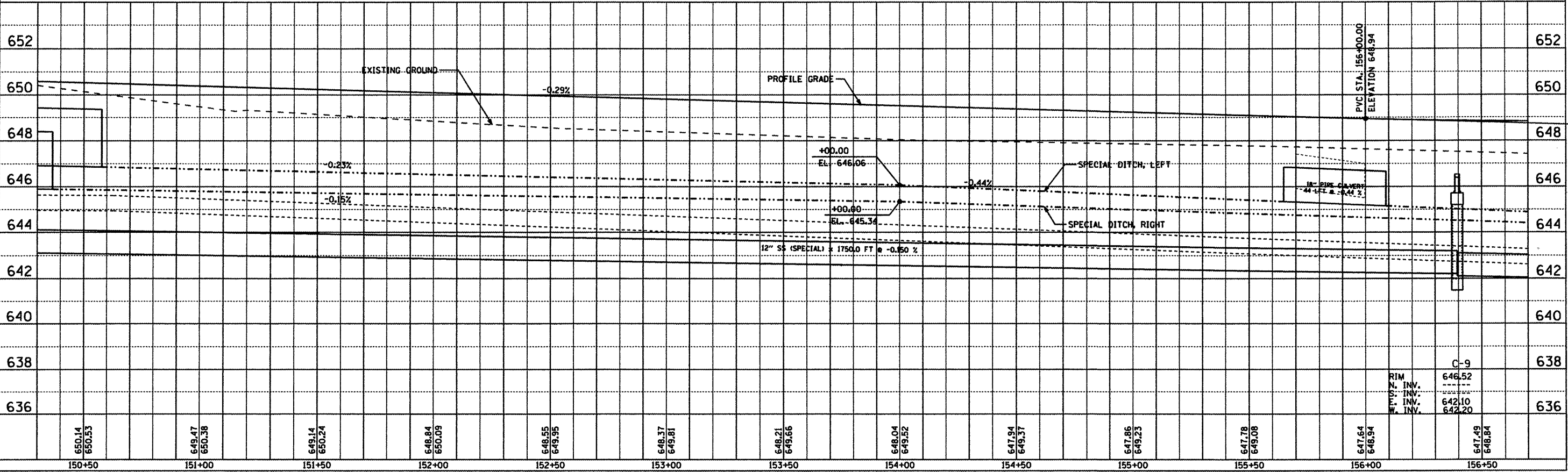
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FAS 666	99-00080-00-RP	DOUGLAS	279	41
FED. ROAD DIST. NO.	ILLINOIS PROJECT	C-95-323-07		

DATE	BY



STATE BANK OF ARTHUR, TRUSTEE
TRUST NUMBER 148
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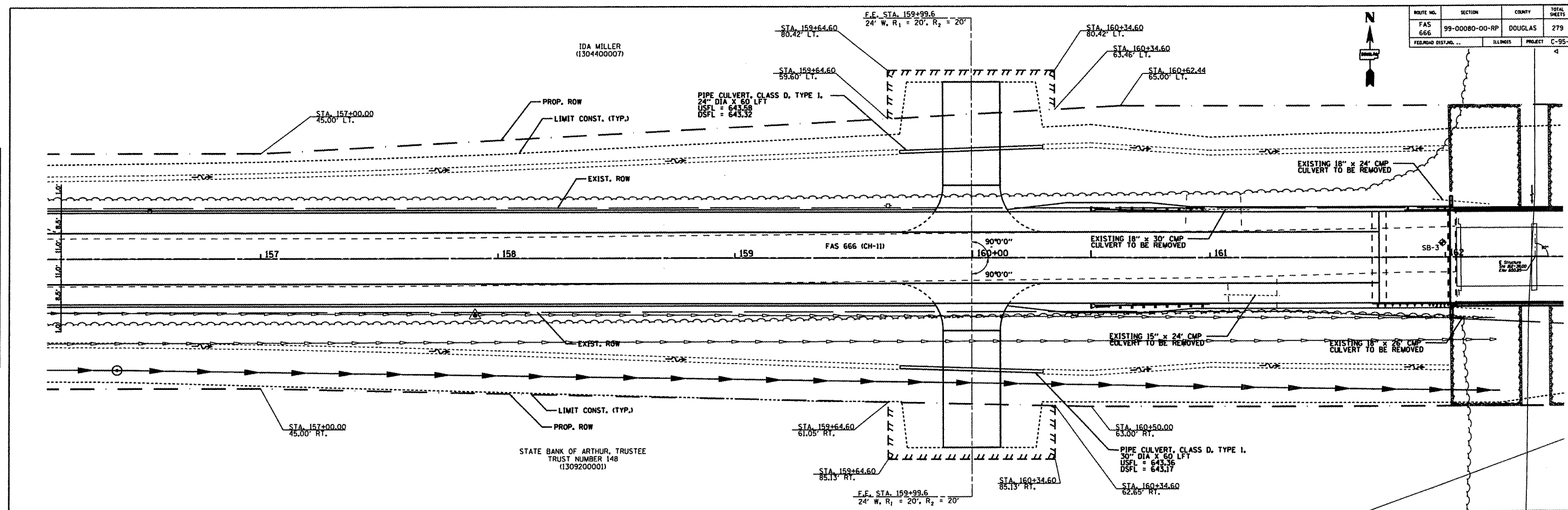
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	42
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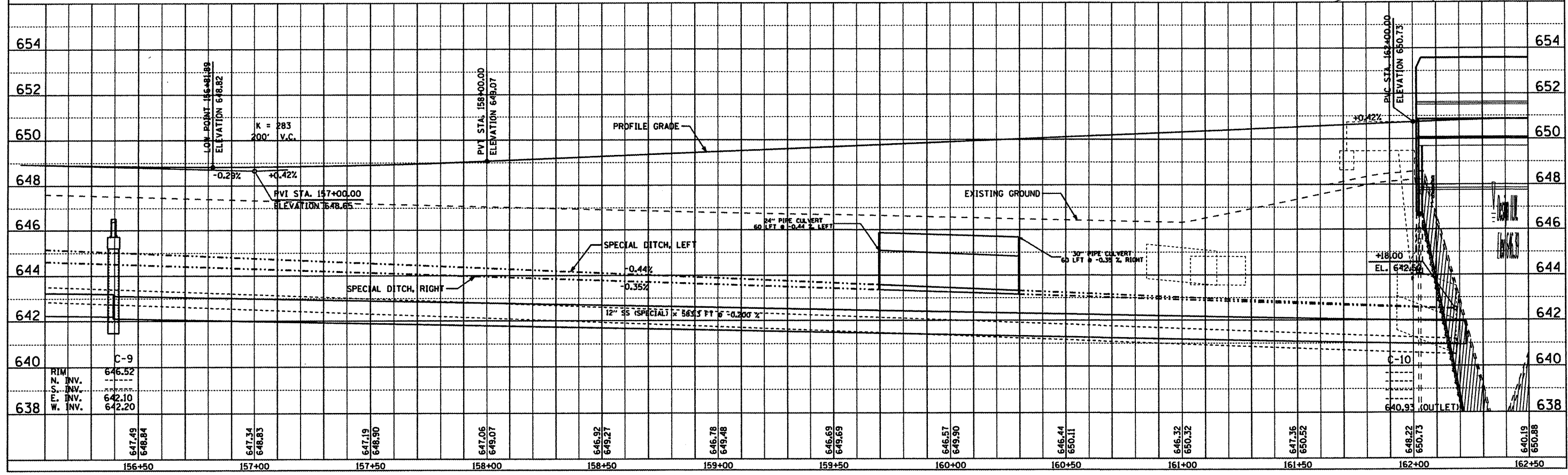
DATE	BY	REVISION

PROFILE PLOTTED
 ALIGNED TO CORRECT
 NOTE BOOK NO.
 FILE NAME:



DATE	BY	REVISION

PROFILE PLOTTED
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 NOTE BOOK NO.
 FILE NAME:

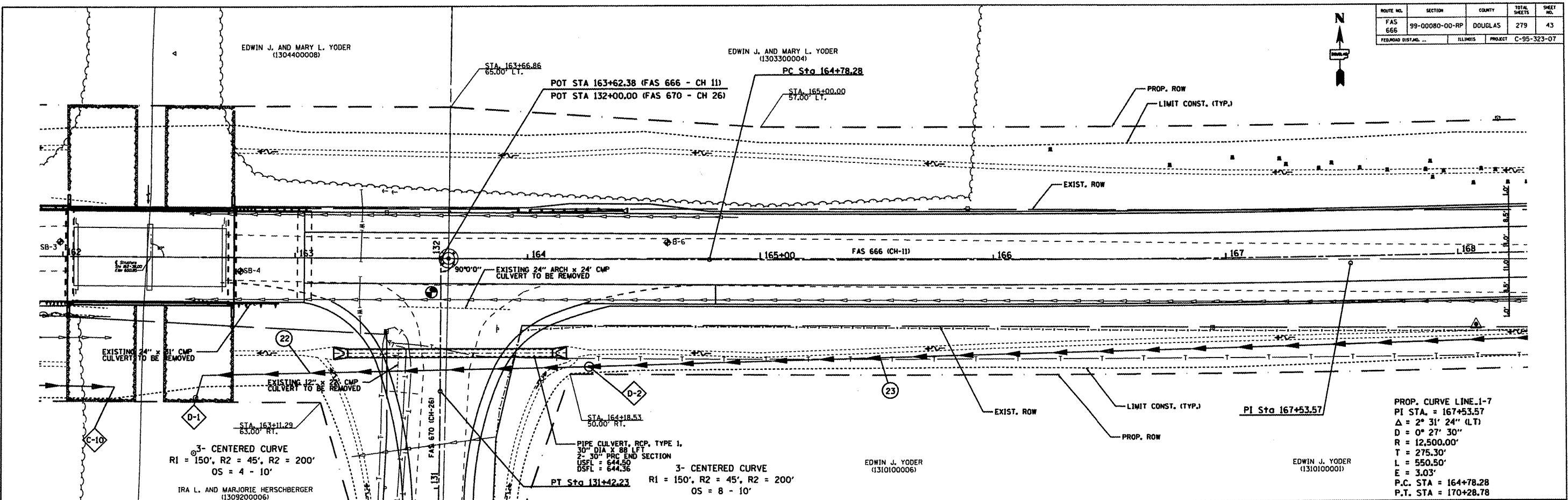


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	43
FEDERAL DIST. NO.		ILLINOIS	PROJECT C-95-323-07	



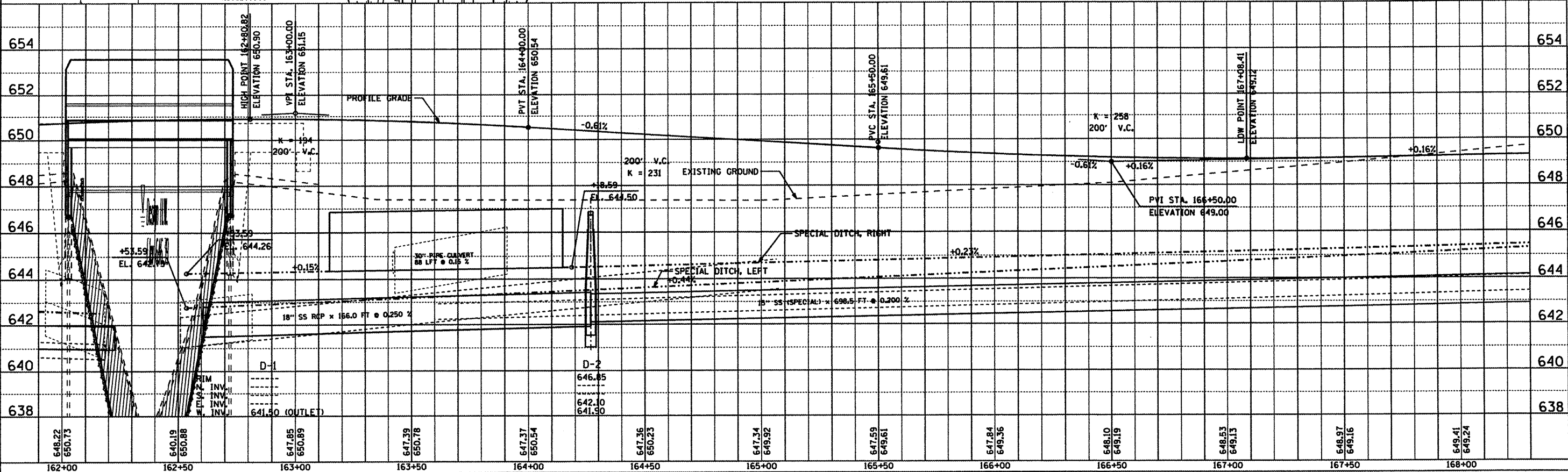
DATE	BY

CHECKED
 ALIGNED
 PLANNED
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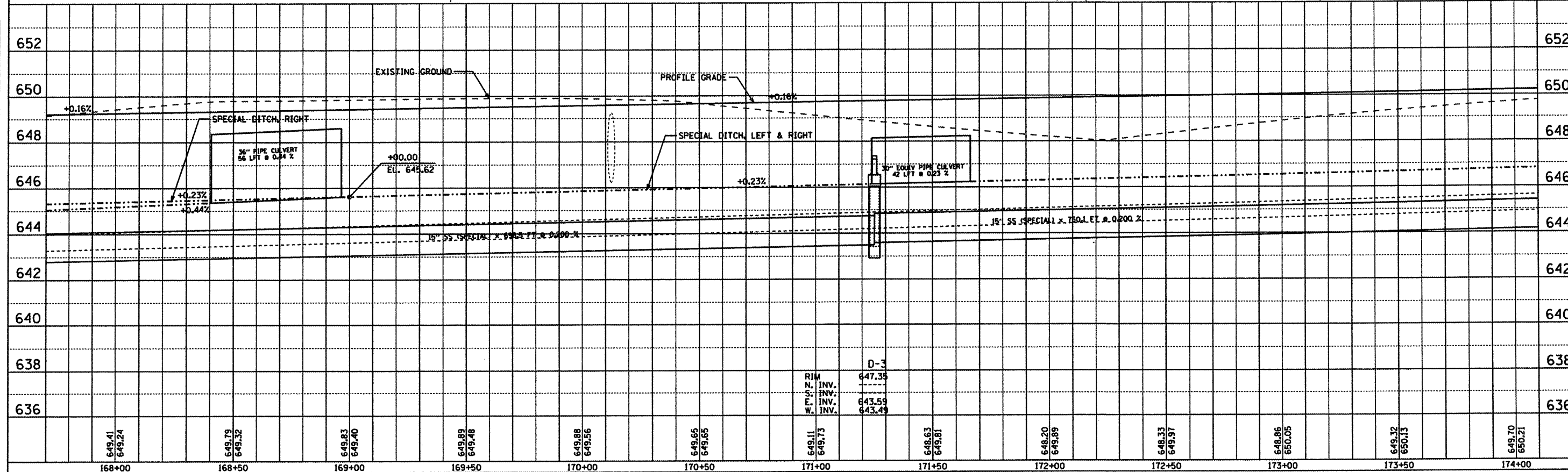
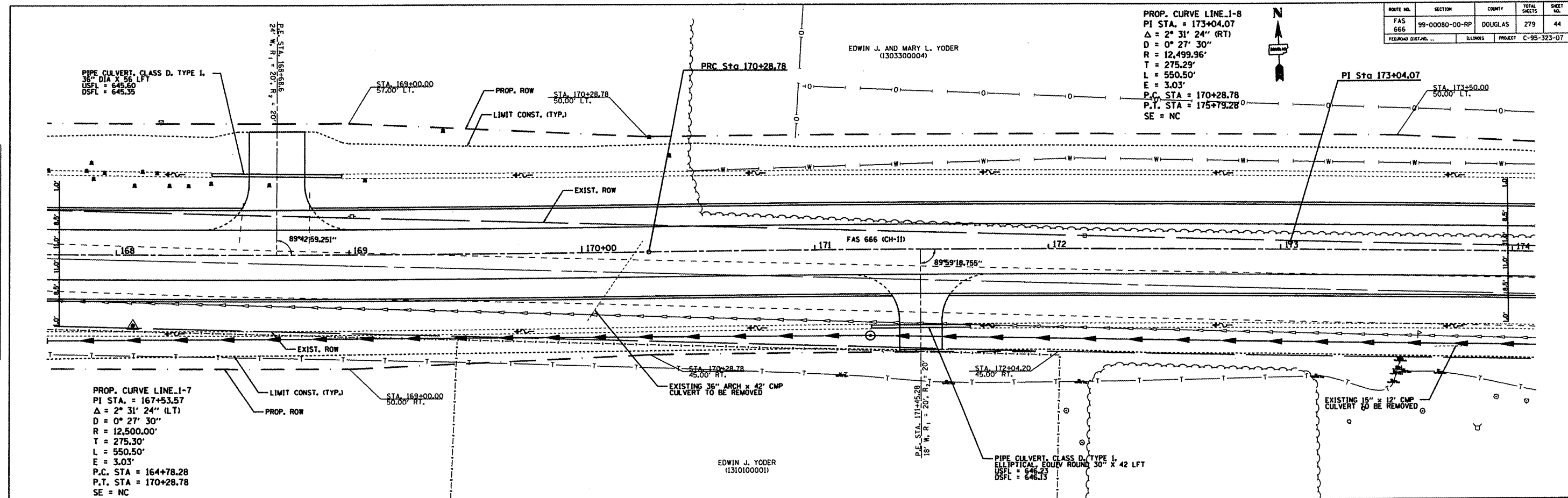


DATE	BY

CHECKED
 GRADES
 STRUCTURE
 NOTATIONS
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	44
FEDORAD DISTAND. ...		ILLINOIS	PROJECT C-95-323-07	

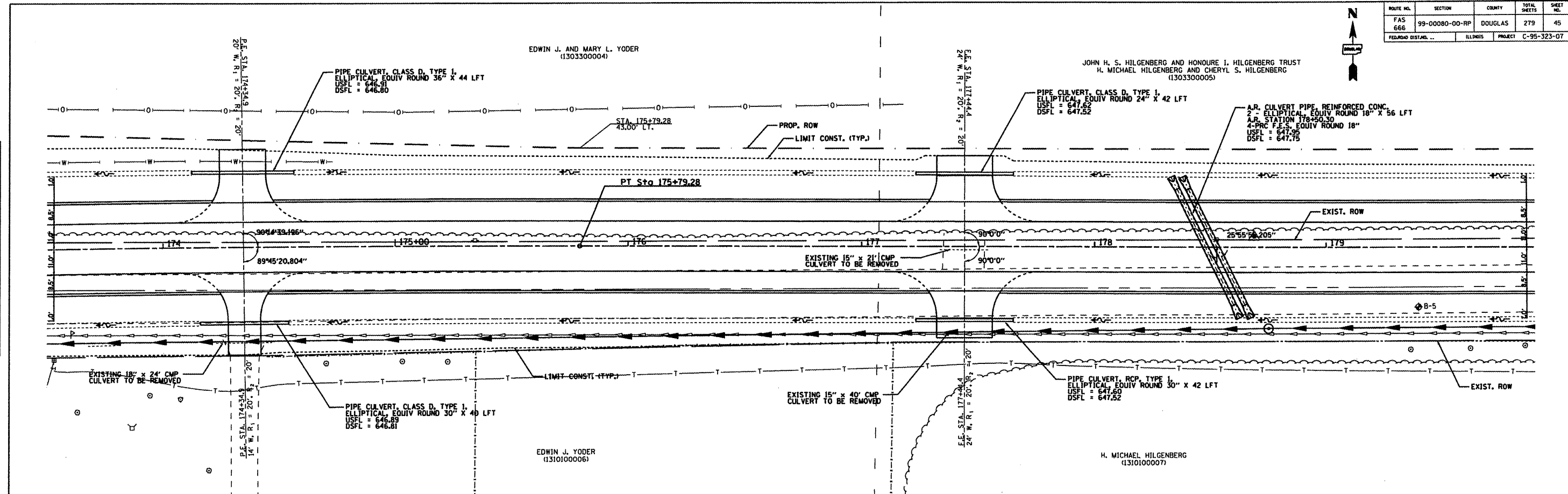


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-0080-00-RP	DOUGLAS	279	45
FEDERAL DISTRICT	ILLINOIS	PROJECT	C-95-323-07	



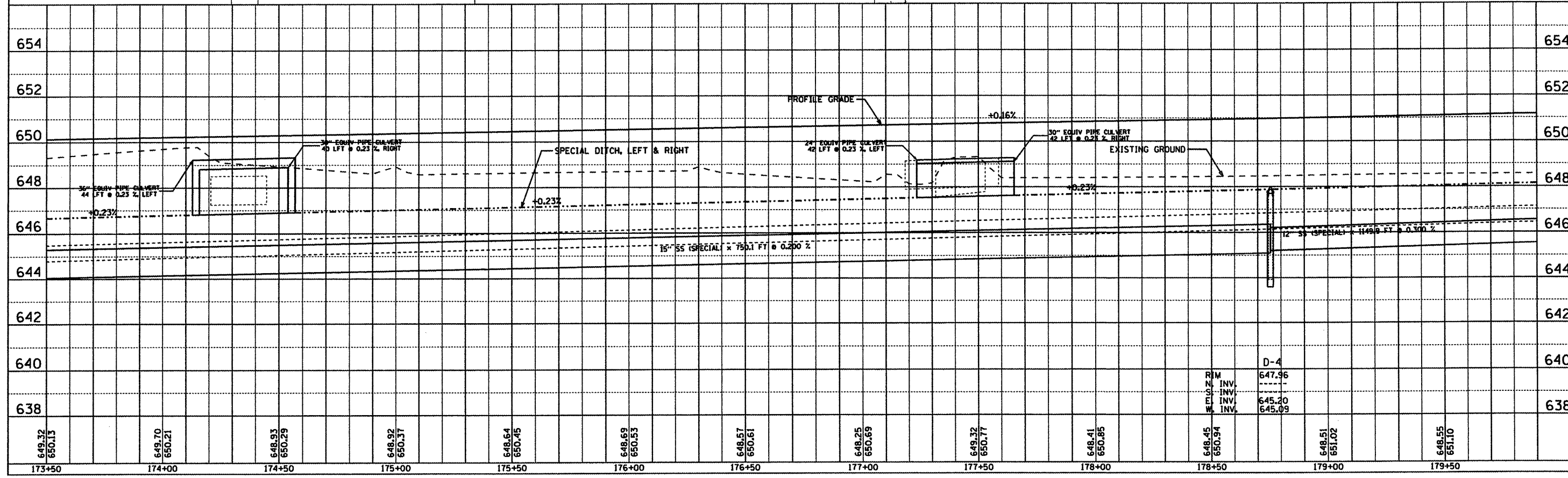
PLAN

DATE	BY
REVISION	REVISION
ALIGNED CHECKED	ALIGNED CHECKED
PLANNED FILE NAME	PLANNED FILE NAME
NO.	NO.



PROFILE

DATE	BY
REVISION	REVISION
PLANNED CHECKED	PLANNED CHECKED
STRUCTURE ADJUSTING CHECKED	STRUCTURE ADJUSTING CHECKED
NO.	NO.



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	46
FED. ROAD DIST. NO.		ILLINOIS	PROJECT C-95-323-07	

JOHN H. S. HILGENBERG AND HONORE I. HILGENBERG TRUST
 H. MICHAEL HILGENBERG AND CHERYL S. HILGENBERG
 (1303300005)

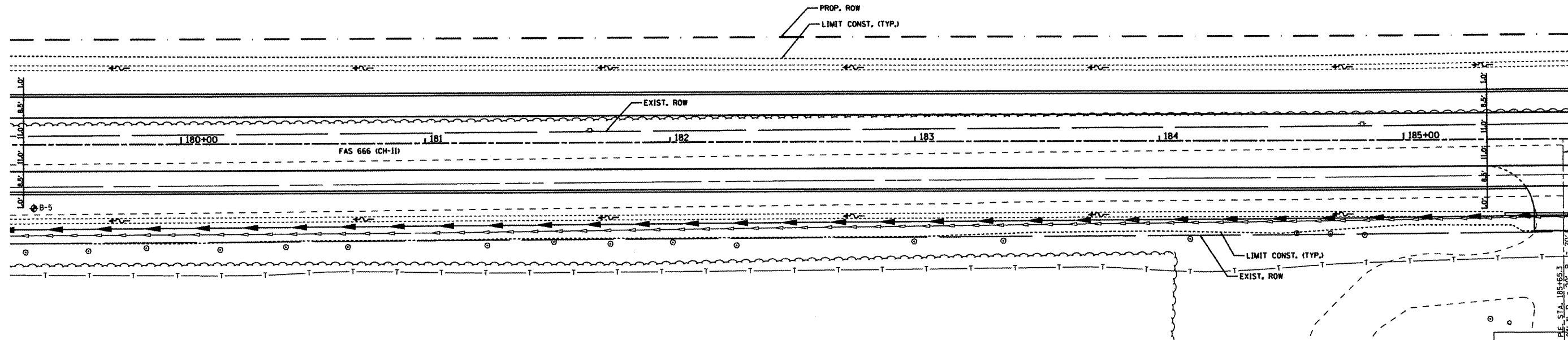


PLAN

DATE	BY

REVISIONS

NO.	DATE	DESCRIPTION

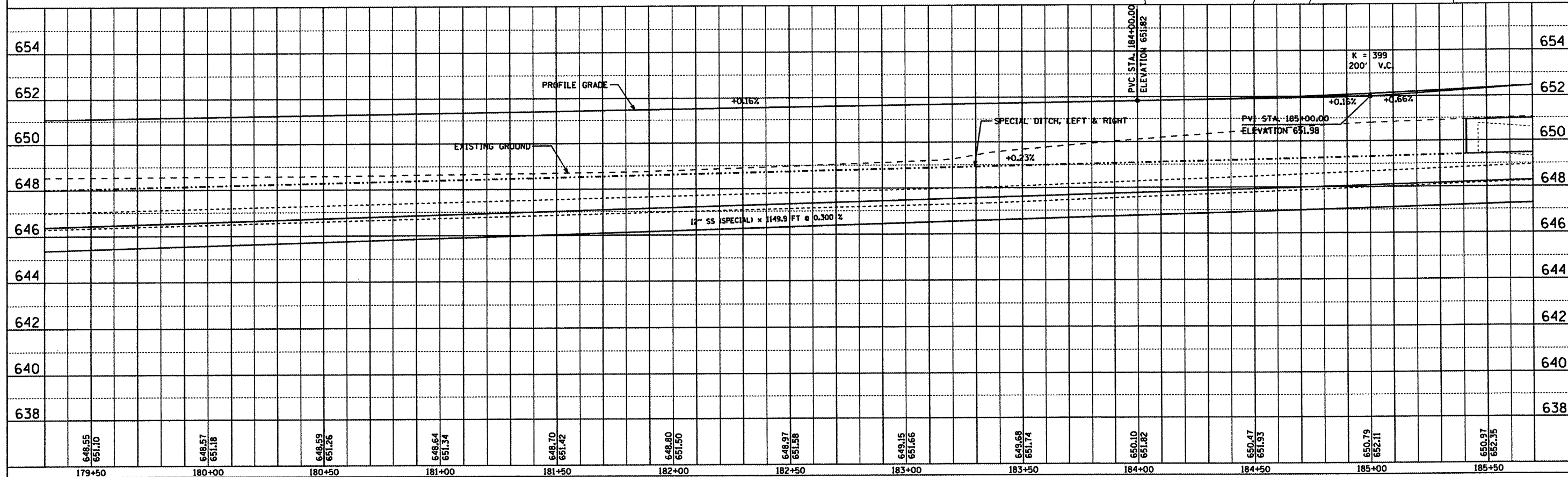


PROFILE

DATE	BY

REVISIONS

NO.	DATE	DESCRIPTION



JOHN H. S. HILGENBERG AND HONORE I. HILGENBERG TRUST
 H. MICHAEL HILGENBERG AND CHERYL S. HILGENBERG
 (1303300005)

JOHN H. S. HILGENBERG AND HONORE I. HILGENBERG TRUST
 H. MICHAEL HILGENBERG AND CHERYL S. HILGENBERG
 (1303300005)

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	47
FED. ROAD DIST. NO.	ILLINOIS PROJECT	C-95-323-07		



PLAN

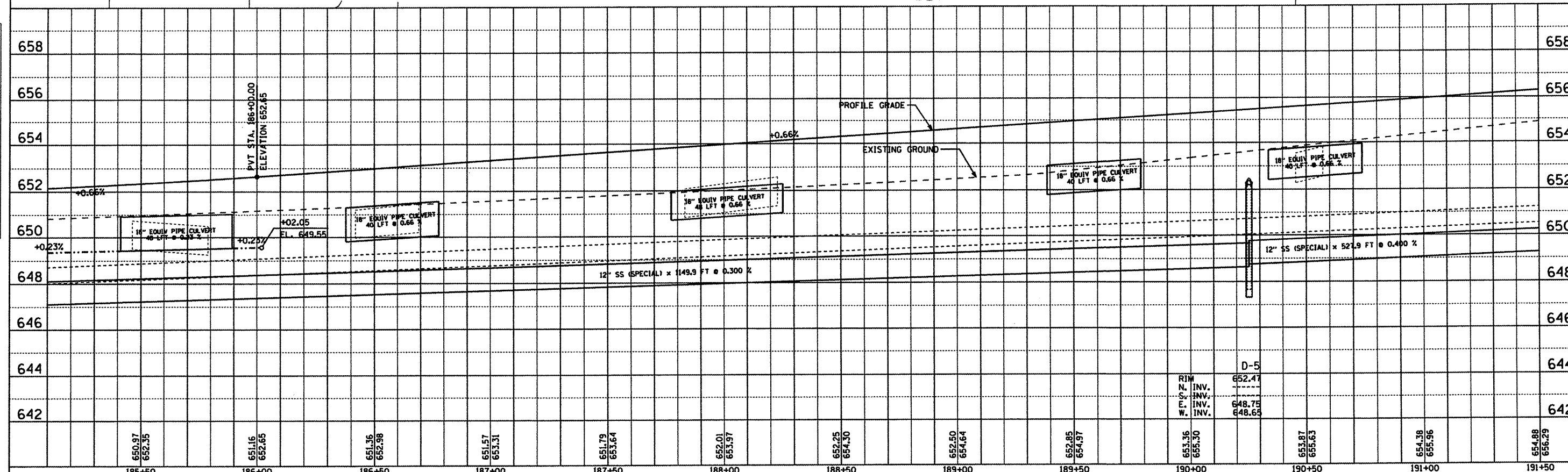
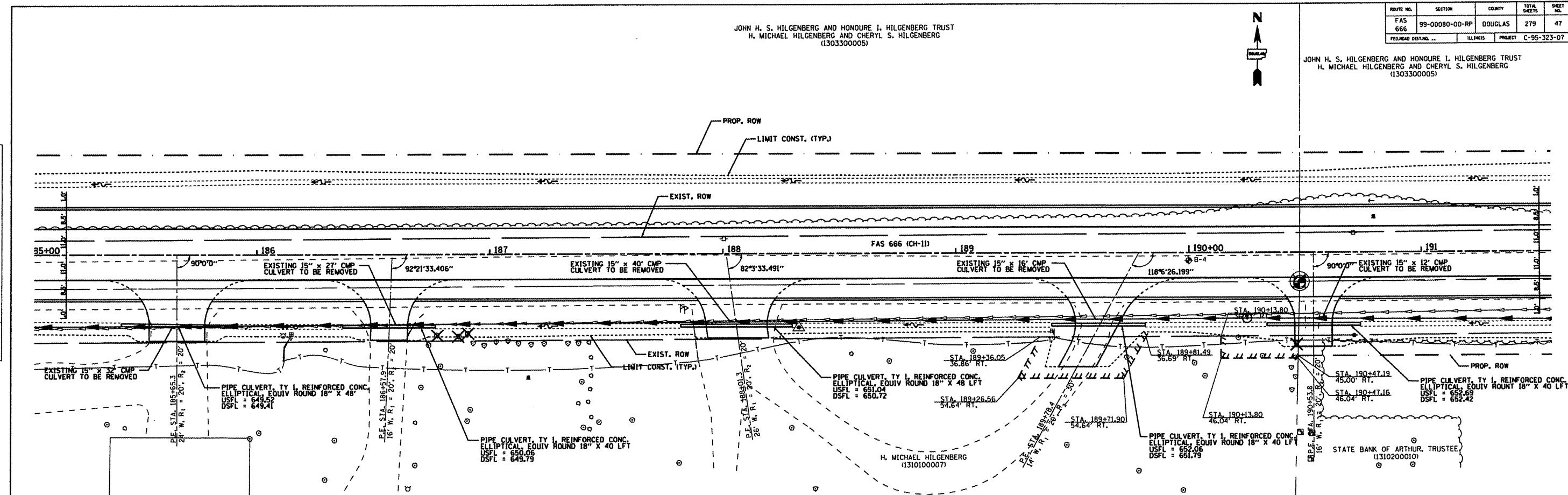
DATE	BY	REVISION

NOTES:
 1. ALL DIMENSIONS UNLESS OTHERWISE NOTED.
 2. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, 2012 EDITION, AS AMENDED THROUGH 2019.

PROFILE

DATE	BY	REVISION

NOTES:
 1. ALL DIMENSIONS UNLESS OTHERWISE NOTED.
 2. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, 2012 EDITION, AS AMENDED THROUGH 2019.



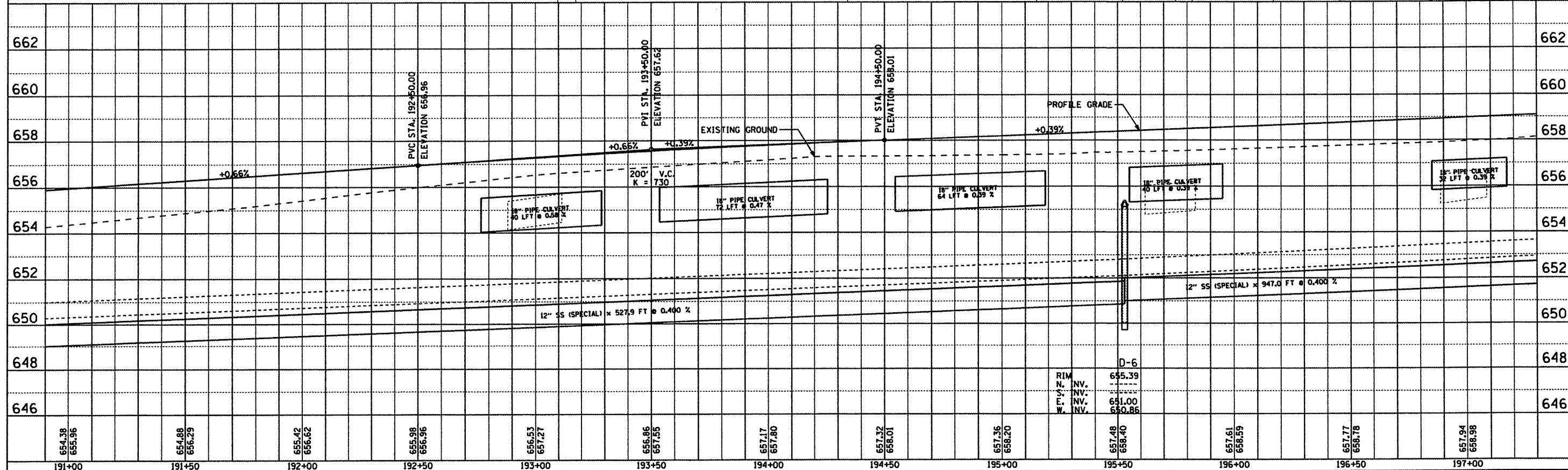
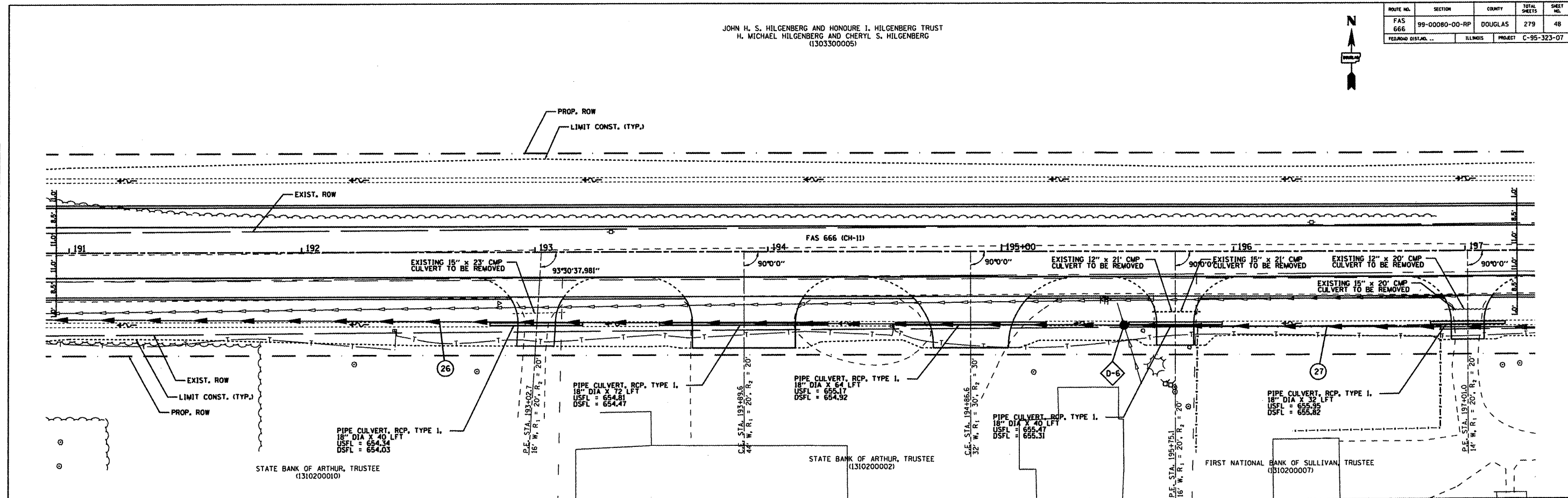
JOHN H. S. HILGENBERG AND HONORE I. HILGENBERG TRUST
 H. MICHAEL HILGENBERG AND CHERYL S. HILGENBERG
 (1303300005)



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	48
FEDERAL DIST. NO. ...		ILLINOIS	PROJECT C-95-323-07	

PLAN	DATE	BY
DESIGNED		
PLOTTED		
CHECKED		
IN CHARGE		
FILE NO.		

PROFILE	DATE	BY
DESIGNED		
PLOTTED		
CHECKED		
IN CHARGE		
FILE NO.		



JOHN H. S. HILGENBERG AND HONORE I. HILGENBERG TRUST
H. MICHAEL HILGENBERG AND CHERYL S. HILGENBERG
(1303300005)

FIRST NATIONAL BANK OF ARCOLA
AS TRUSTEE TRUST NUMBER L-722
H. MICHAEL HILGENBERG AND CHERYL S. HILGENBERG
(1303400013)

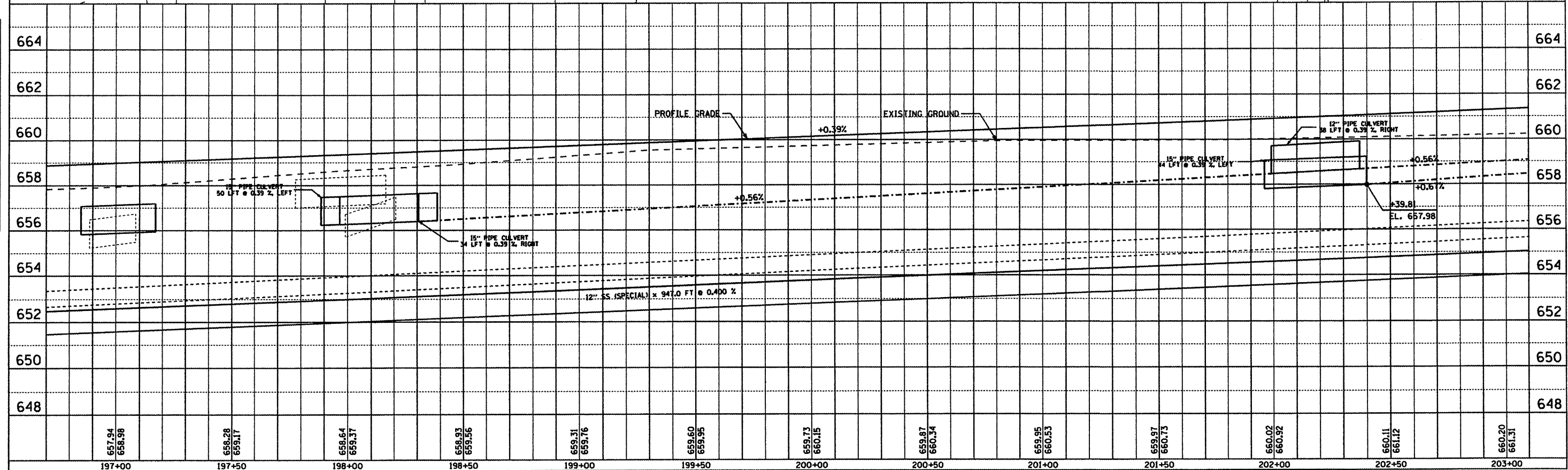
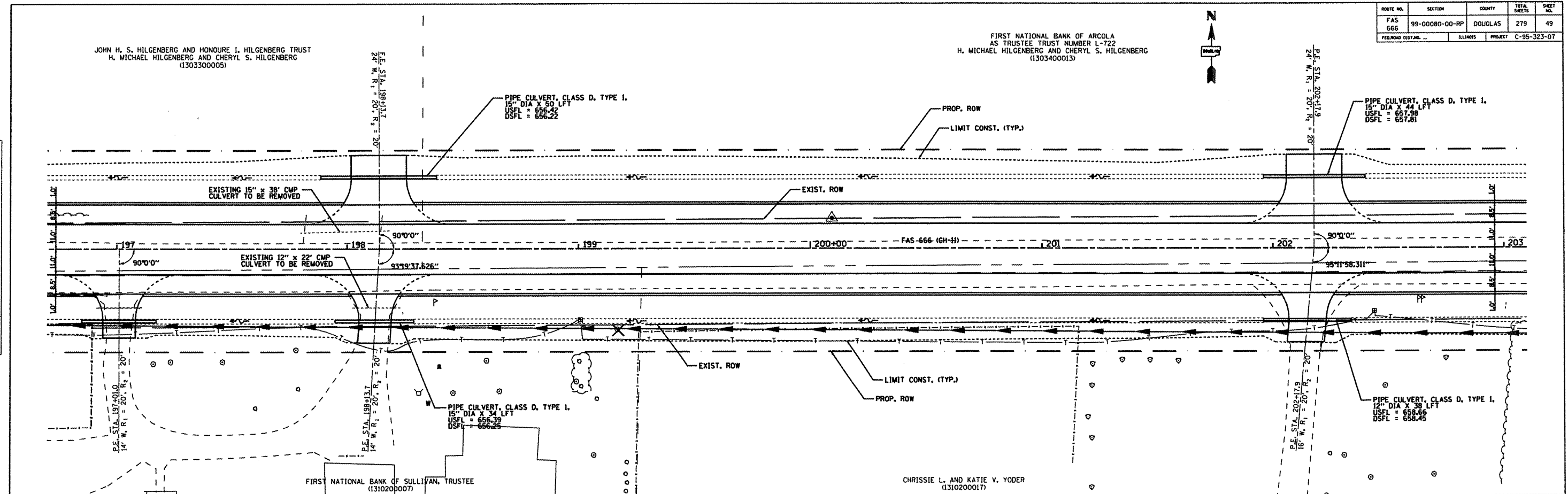
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FAS 666	99-00080-00-RP	DOUGLAS	279	49
FED. ROAD DIST. NO.		ILLINOIS	PROJECT C-95-323-07	

DATE	BY

PLAN
NOTED
ALIGNED
CHECKED
FILED
NO.
NO.

DATE	BY

PROFILE
NOTED
CHECKED
STRUCTURE
NOTATION
NO.
NO.

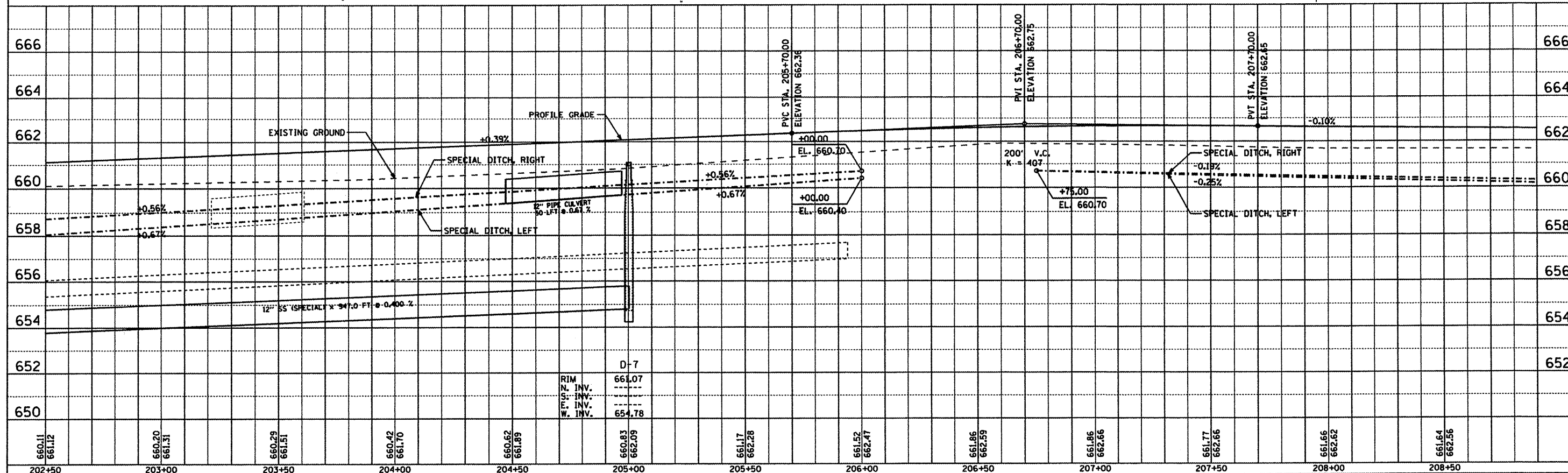
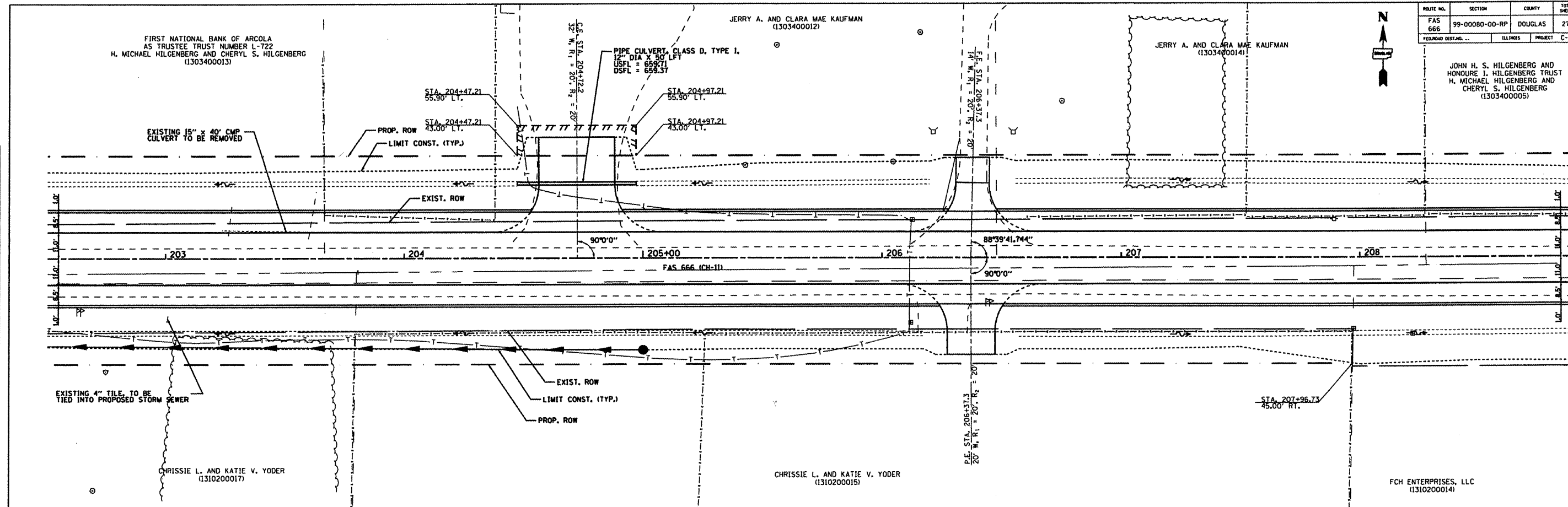


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FAS 666	99-00080-00-RP	DOUGLAS	279	50
FEDERAL DIST. NO.		ILLINOIS	PROJECT C-95-323-07	



DATE	BY	REVISIONS

DATE	BY	REVISIONS



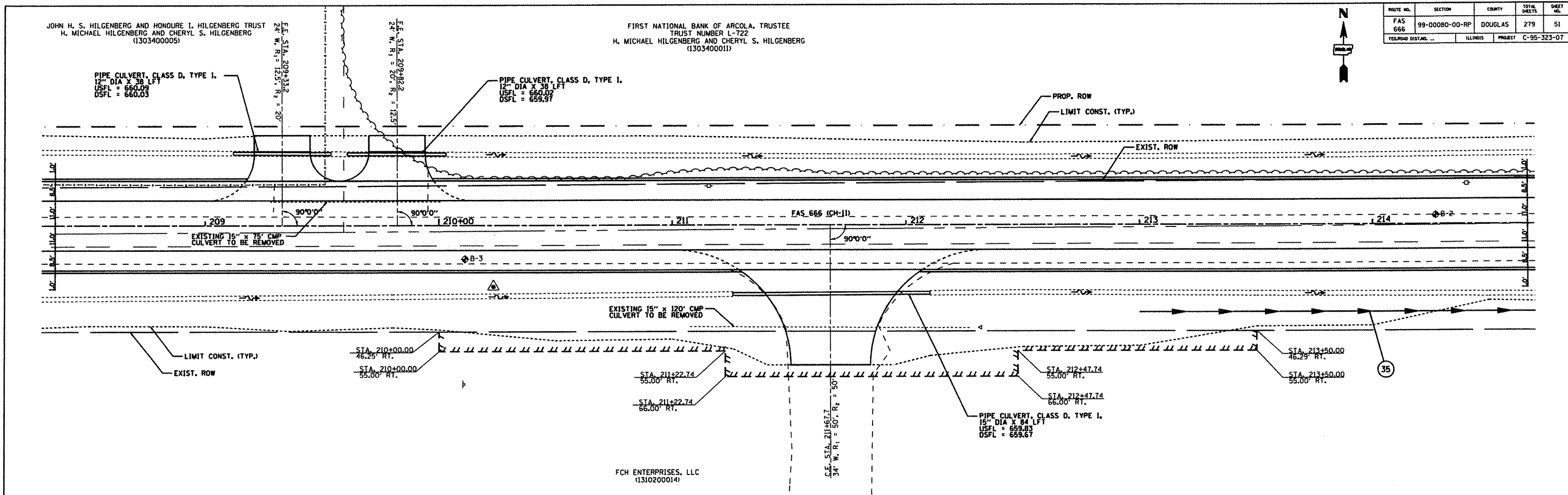
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FAS 666	99-00080-00-RP	DOUGLAS	279	51
FED. ROAD DIST. NO.		ILLINOIS	PROJECT C-95-323-07	

JOHN H. S. HILGENBERG AND HONORE I. HILGENBERG TRUST
H. MICHAEL HILGENBERG AND CHERYL S. HILGENBERG
(1303400005)

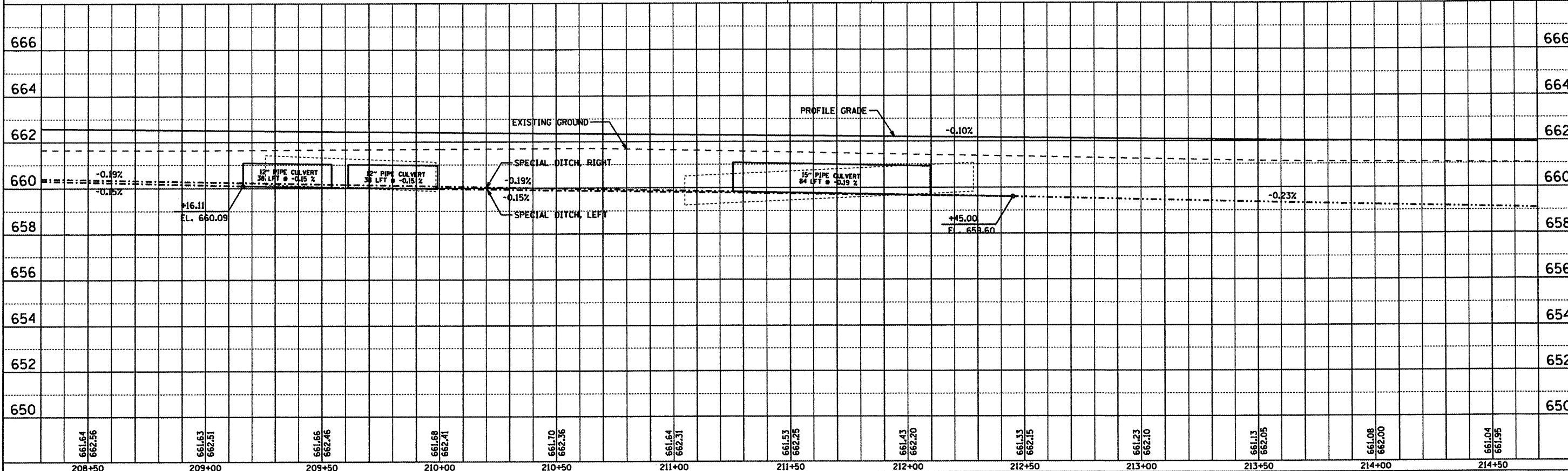
FIRST NATIONAL BANK OF ARCOLA, TRUSTEE
TRUST NUMBER L-722
H. MICHAEL HILGENBERG AND CHERYL S. HILGENBERG
(1303400011)



DATE	BY



DATE	BY



FIRST NATIONAL BANK OF ARCOLA, TRUSTEE
TRUST NUMBER L-722
H. MICHAEL HILGENBERG AND CHERYL S. HILGENBERG
(1303400011)

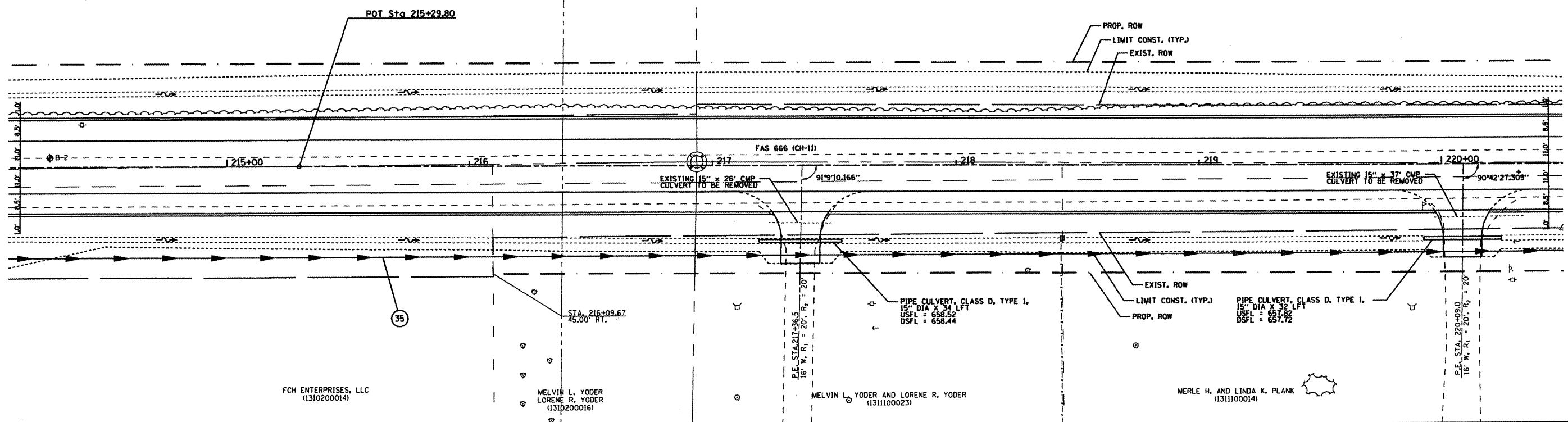
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TRUST NUMBER L-722
H. MICHAEL HILGENBERG AND CHERYL S. HILGENBERG
(1303400007)

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	52
FEDERAL DIST. NO.		ILLINOIS	PROJECT C-95-323-07	



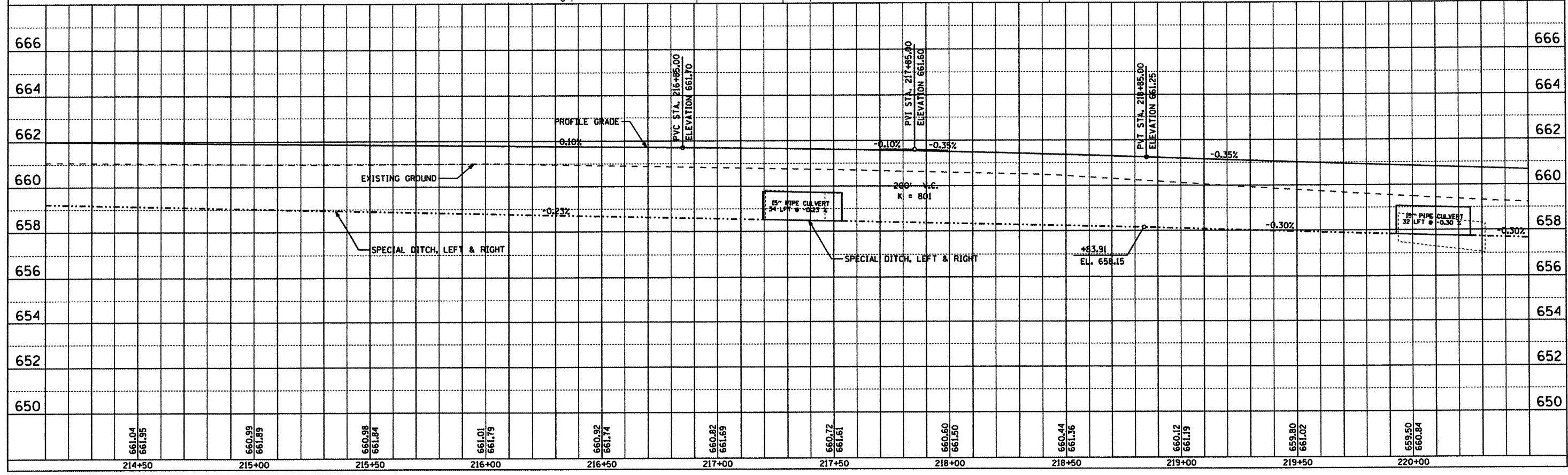
DATE	BY

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 2. BY
 3. DESCRIPTION
 4. DATE
 5. BY
 6. DESCRIPTION



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 2. BY
 3. DESCRIPTION
 4. DATE
 5. BY
 6. DESCRIPTION



FIRST NATIONAL BANK OF ARCOLA, TRUSTEE
 TRUST NUMBER L-722
 H. MICHAEL HILGENBERG AND CHERYL S. HILGENBERG
 (1302300007)

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FEDERAL DISTRICT...	ILLINOIS	PROJECT	C-95-323-07	

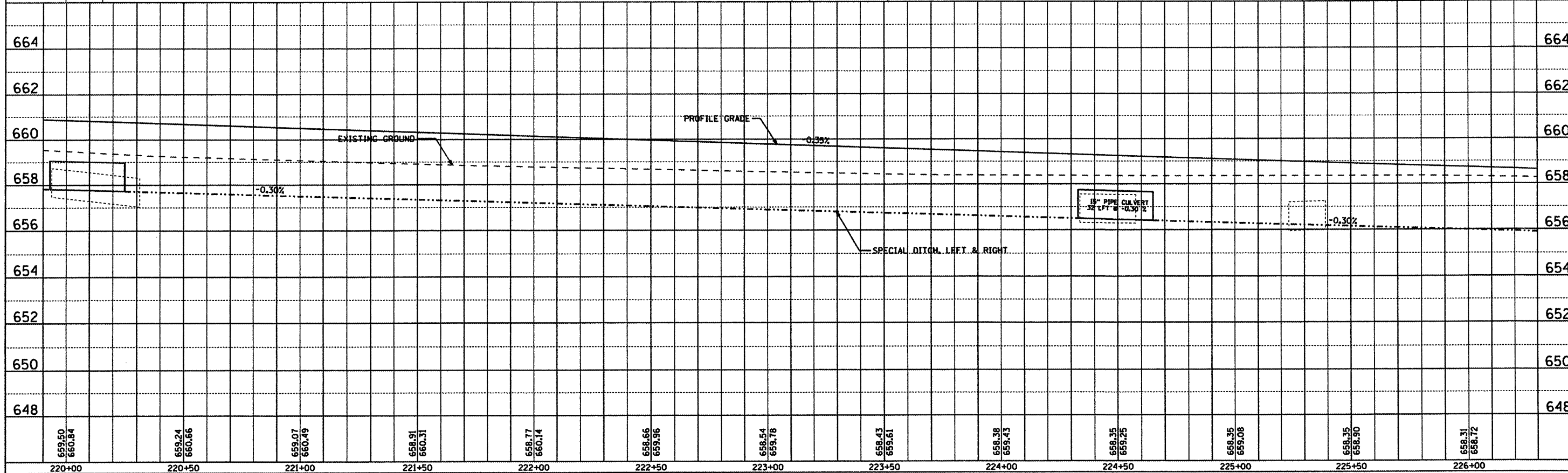
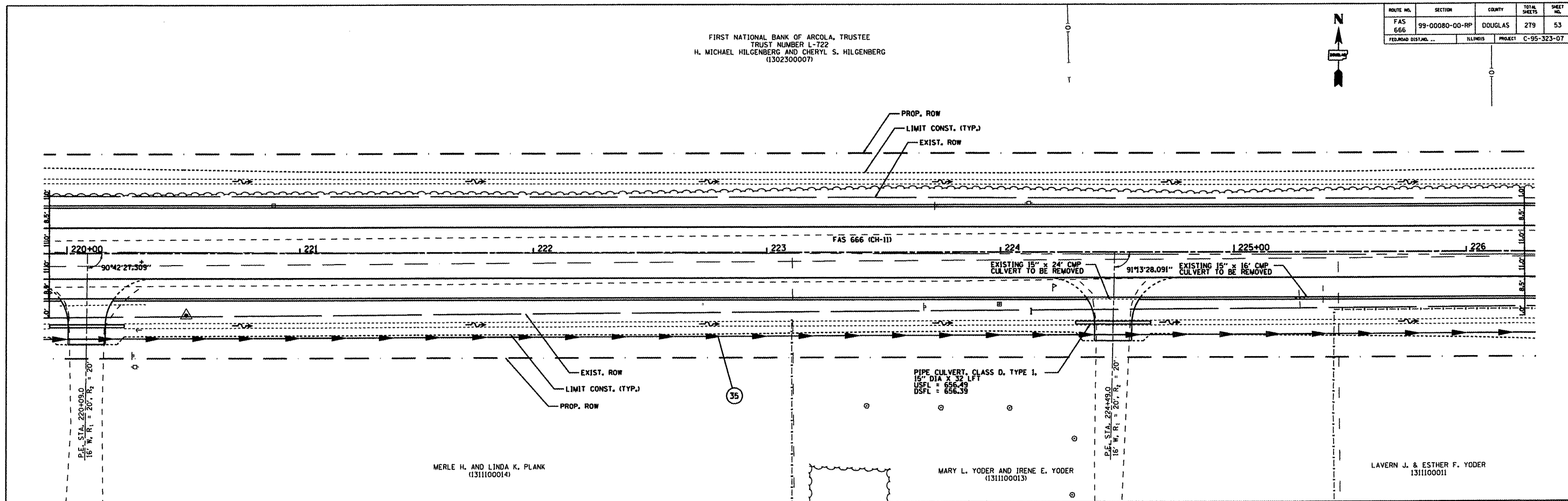


DATE	BY

PROPERTY
 PLANNED
 CHANGES CHECKED
 NOTE BOOK
 FILED FILE NAME
 NO.

DATE	BY

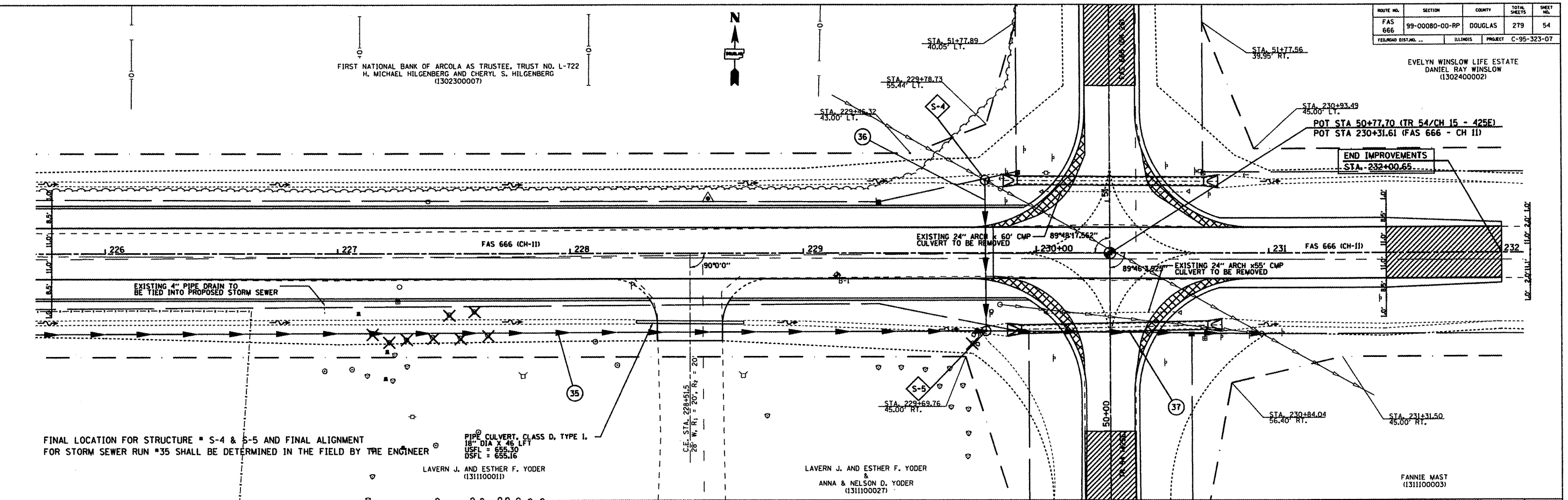
PROFILE
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 CHANGES CHECKED
 NOTE BOOK
 STRUCTURE NOTATIONS CHECK
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	54
FEDERAL DIST. NO.	ILLINOIS	PROJECT	C-95-323-07	

FIRST NATIONAL BANK OF ARCOLA AS TRUSTEE, TRUST NO. L-722
H. MICHAEL HILGENBERG AND CHERYL S. HILGENBERG
(1302300007)

EVELYN WINSLOW LIFE ESTATE
DANIEL RAY WINSLOW
(1302400002)



FINAL LOCATION FOR STRUCTURE # S-4 & S-5 AND FINAL ALIGNMENT FOR STORM SEWER RUN #35 SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER

PIPE CULVERT, CLASS D, TYPE I,
18" DIA X 46 LFT
USFL = 655.30
DSFL = 655.16

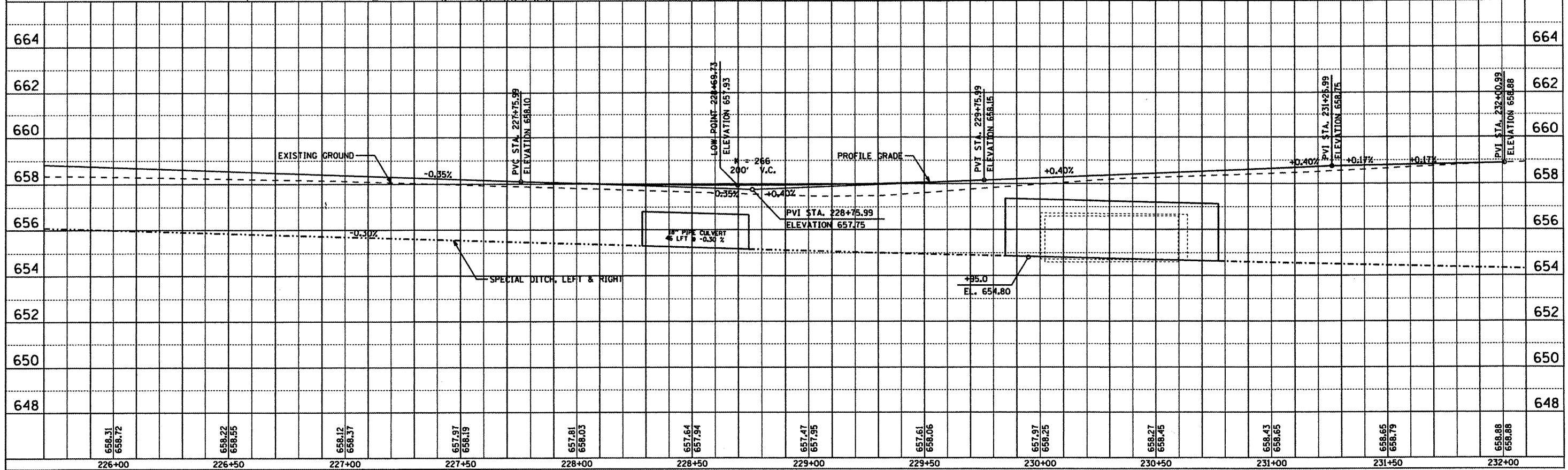
LAVERN J. AND ESTHER F. YODER
(1311100011)

LAVERN J. AND ESTHER F. YODER
&
ANNA & NELSON D. YODER
(1311100027)

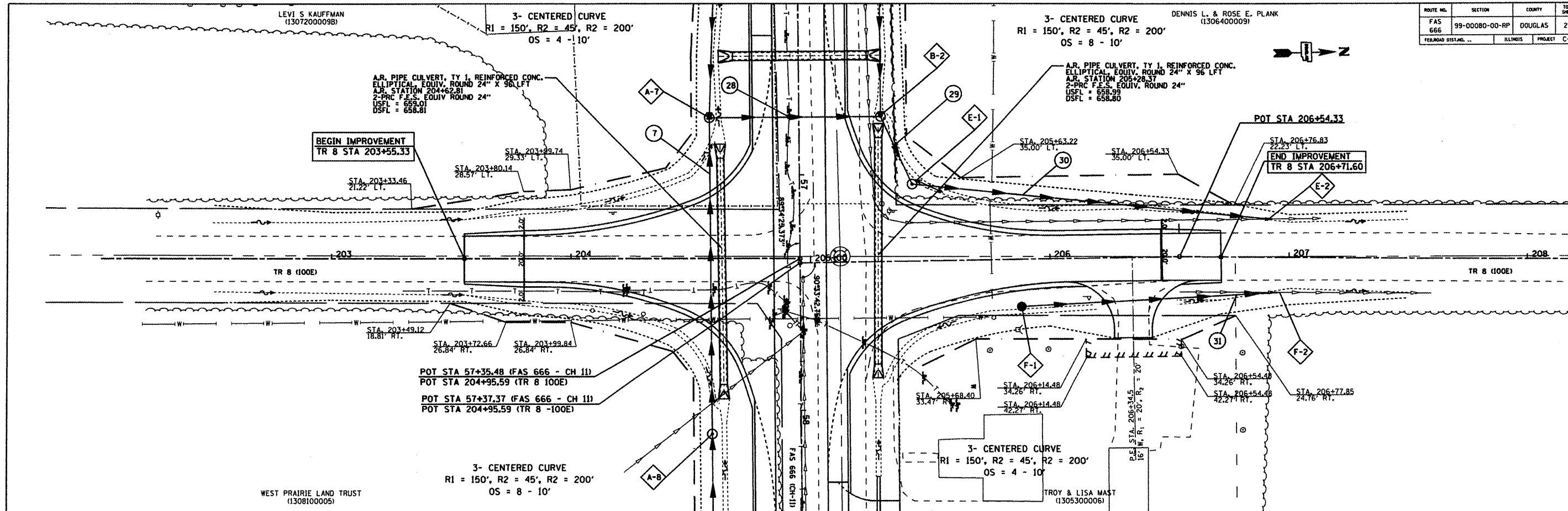
FANNIE MAST
(1311100003)

DATE	BY

DATE	BY

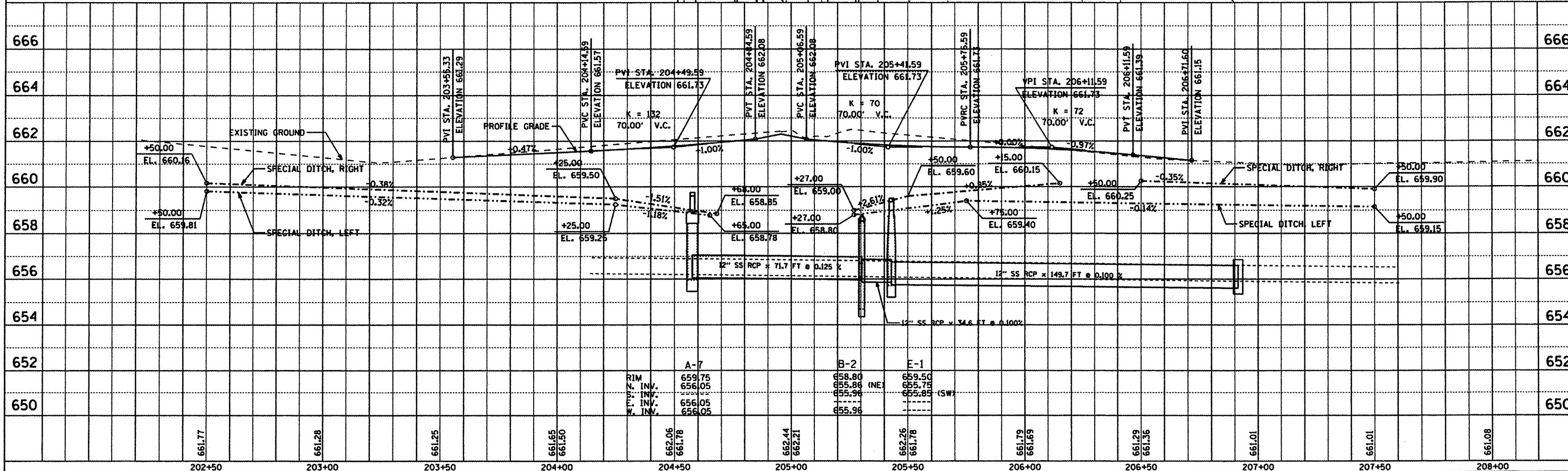


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	55
FEDERAL DISTRICT...		ILLINOIS	PROJECT C-95-323-07	



DATE	
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REVISIONS	
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DATE	
BY	
NO.	
DESCRIPTION	
DATE	
BY	
NO.	
DESCRIPTION	



DAVID J. AND IDA MAE BEACHY
AS TRUSTEES OF THE BEACHY TRUST NUMBER 1
(1308200003)

2- CENTERED CURVE
R1 = 45', R2 = 175'
OS = 10

2- CENTERED CURVE
R1 = 45', R2 = 175'
OS = 10

ELI A. MILLER & MATTIE J. MILLER
(1305400005)

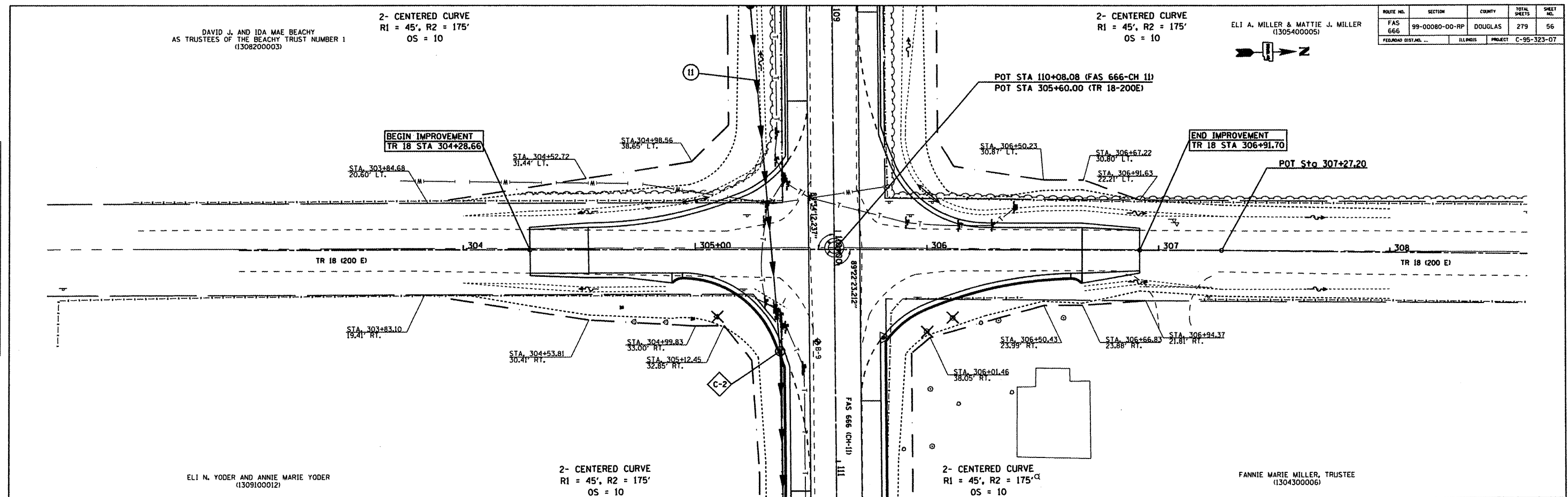
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	56
FEDERAL DIST. NO.		ILLINOIS	PROJECT C-95-323-07	



DATE	BY

REVISIONS:
CHECKED
ALIGNED
CADD FILE NAME
NO.

PLAN
NOTE BOOK
NO.



ELI N. YODER AND ANNIE MARIE YODER
(1309100012)

2- CENTERED CURVE
R1 = 45', R2 = 175'
OS = 10

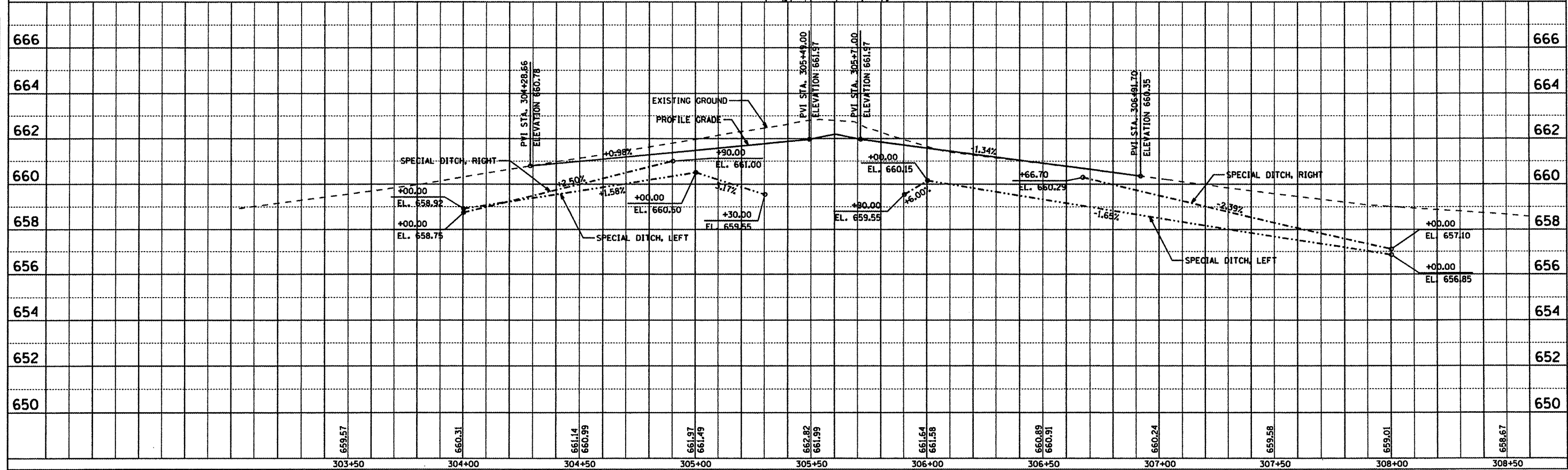
2- CENTERED CURVE
R1 = 45', R2 = 175'
OS = 10

FANNIE MARIE MILLER, TRUSTEE
(1304300006)

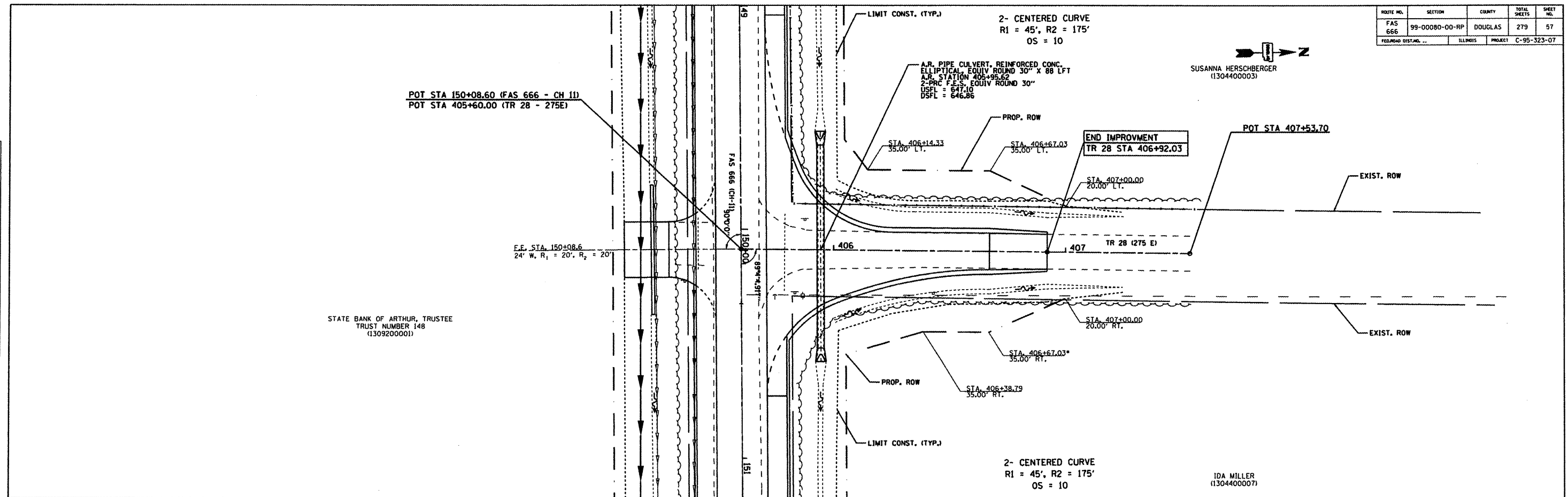
DATE	BY

REVISIONS:
CHECKED
ALIGNED
CADD FILE NAME
NO.

PROFILE
NOTE BOOK
NO.



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	57
FED. ROAD DIST. NO.	ILLINOIS PROJECT		C-95-323-07	



DATE	BY

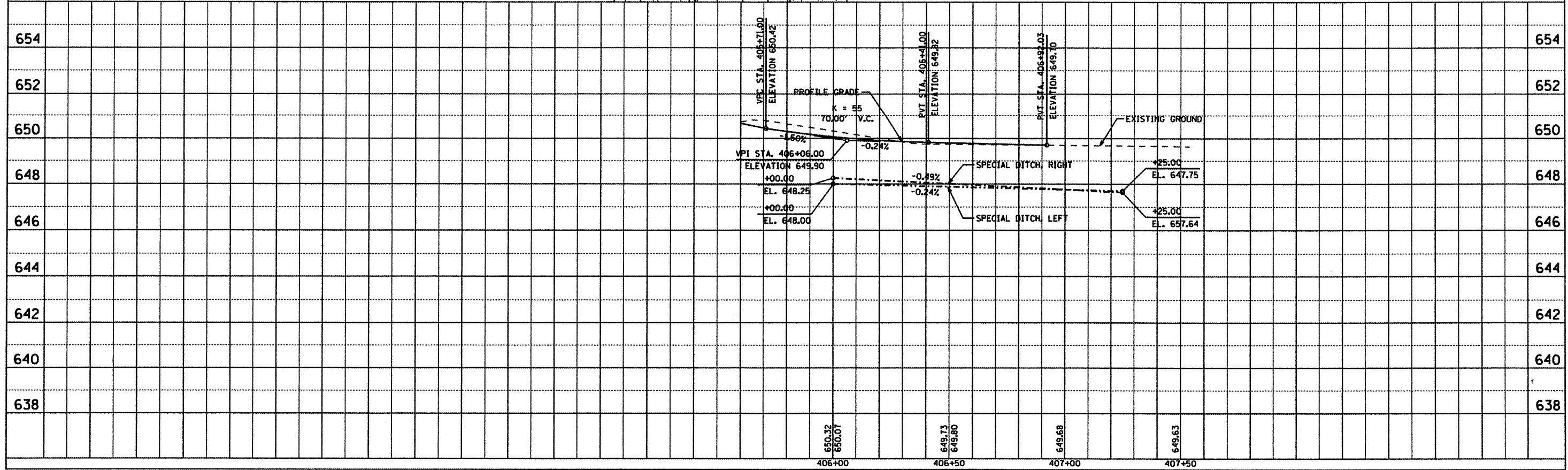
REVISIONS
 PLOTTED
 ALIGNED
 CHECKED
 DATE
 FILE NAME

PLAN
 NOTE BOOK
 NO.

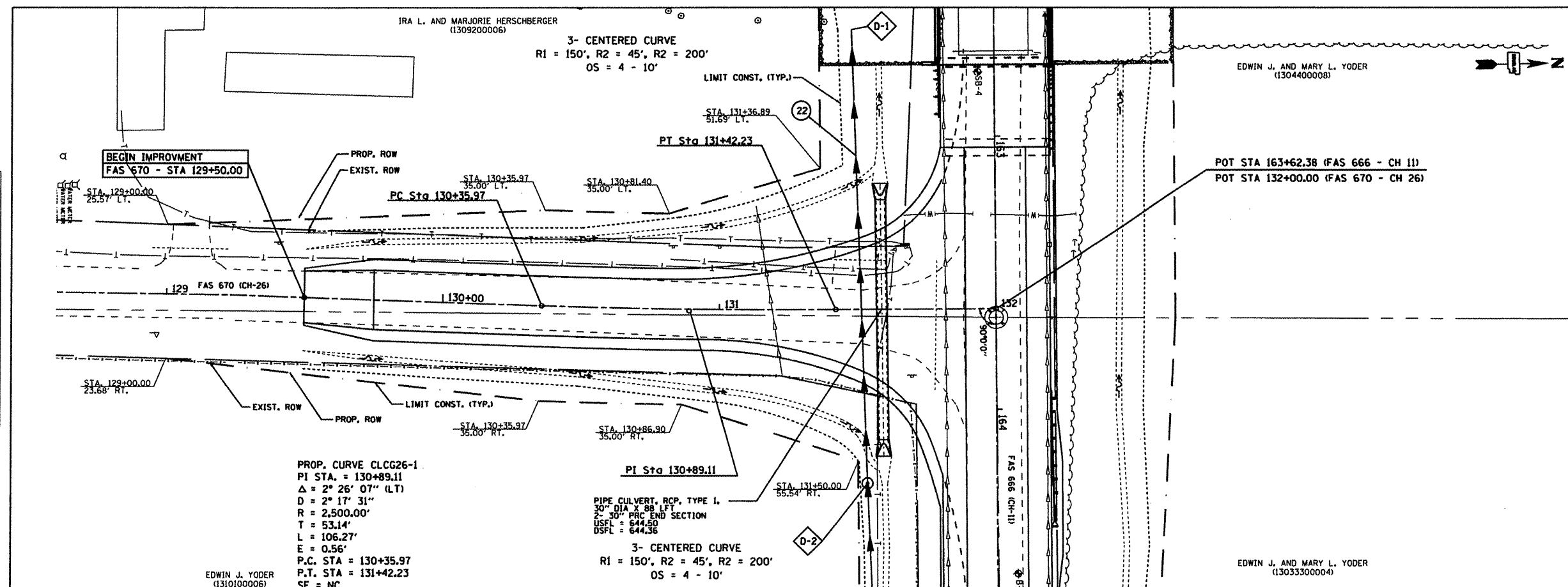
DATE	BY

REVISIONS
 PLOTTED
 ALIGNED
 CHECKED
 DATE
 FILE NAME

PROFILE
 NOTE BOOK
 NO.



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	58
FEDERAL DISTRICT...		ILLINOIS	PROJECT C-95-323-07	

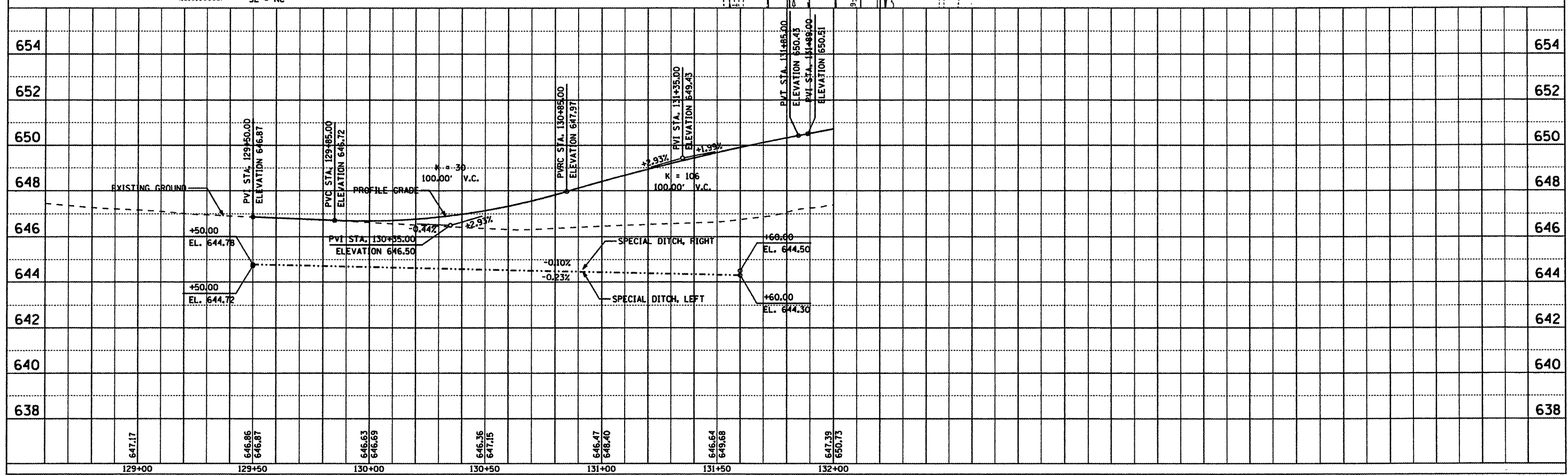


PROP. CURVE CLCG26-1
 PI STA. = 130+89.11
 $\Delta = 2^\circ 26' 07''$ (LT)
 $D = 2^\circ 17' 31''$
 $R = 2,500.00'$
 $T = 53.14'$
 $L = 106.27'$
 $E = 0.56'$
 P.C. STA = 130+35.97
 P.T. STA = 131+42.23
 SE = NC

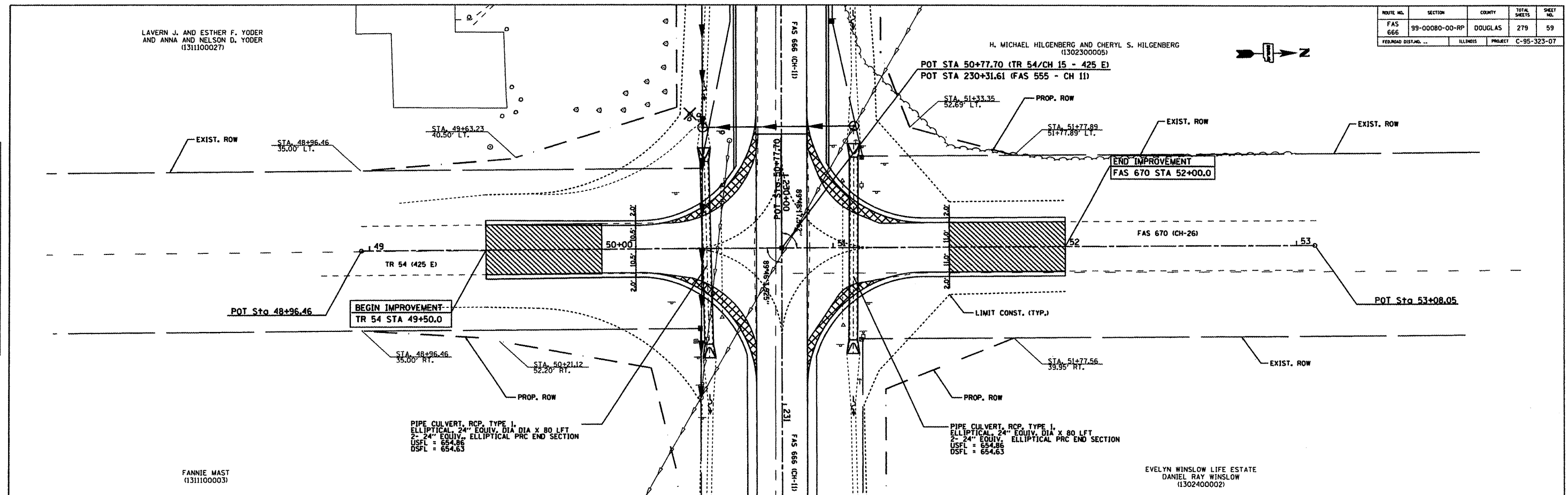
PIPE CULVERT, RCP, TYPE 1
 30" DIA X 88' LFT
 2' 30" PRC END SECTION
 USFL = 644.50
 DSFL = 644.36
 3-CENTERED CURVE
 $R_1 = 150'$, $R_2 = 45'$, $R_3 = 200'$
 $OS = 4 - 10'$

PLAN	BY	DATE
REVISION		
PROJ. NO.		
NOTE BOOK		
NO.		
CAD FILE NAME		

PROFILE	BY	DATE
REVISION		
PROJ. NO.		
NOTE BOOK		
NO.		
STRUCTURE INDICATING DATA		

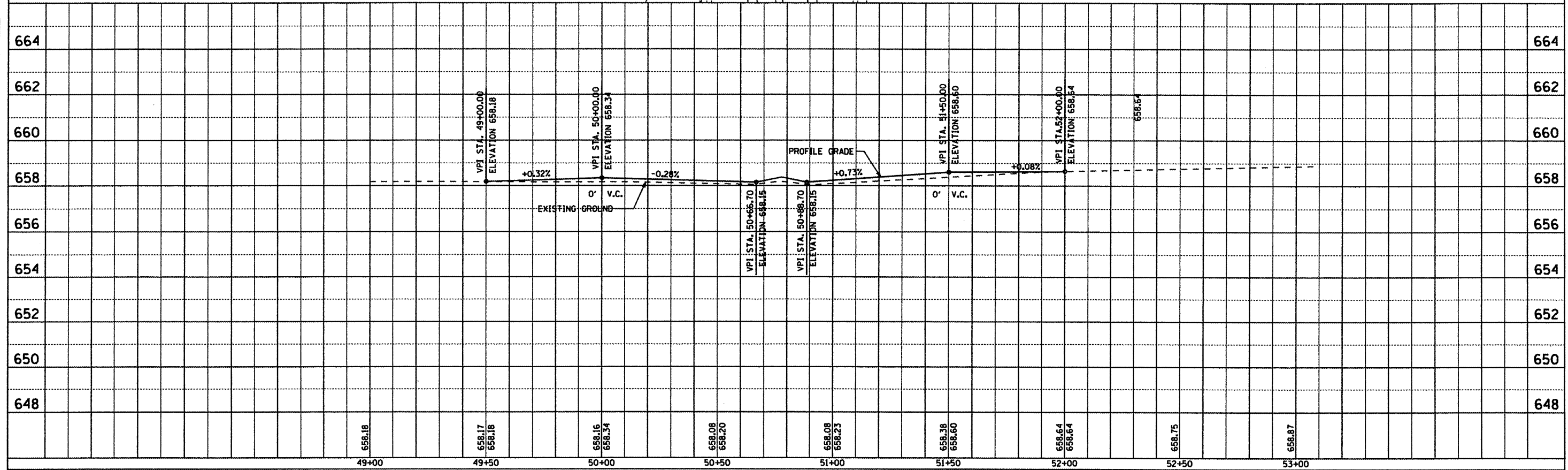


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	59
FED. ROAD DIST. NO. ...		ILLINOIS	PROJECT C-95-323-07	



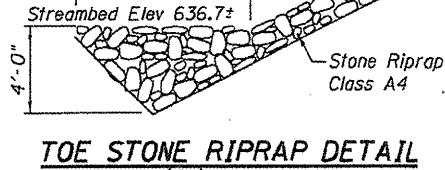
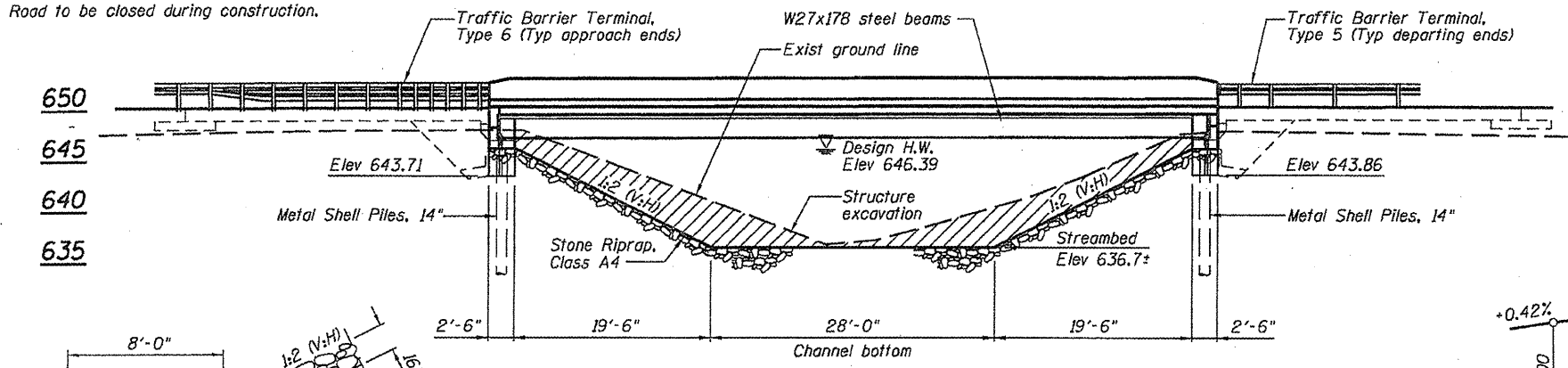
PLAN	DATE
REVISIONS	
PLOTTED	
ALIGNMENT CHECKED	
NO. _____	
DATE _____	
BY _____	

PROFILE	DATE
REVISIONS	
PLOTTED	
STRUCTURE NOTATION CHECKED	
NO. _____	
DATE _____	
BY _____	



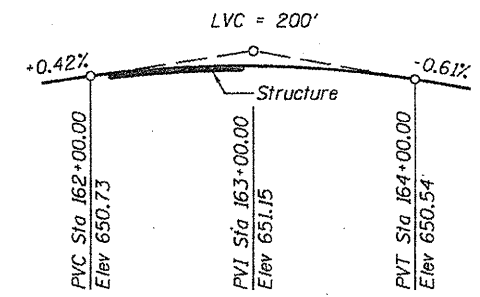
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	c	DOUGLAS	279	60
FED. ROAD DIST. NO.		KLINGS	PROJECT	
99-00080-00-RP				

Existing Structure:
67' long x 27' wide two span PPC deck beams
on timber pile bent abutments and metal shell
piling at the pier.
Road to be closed during construction.



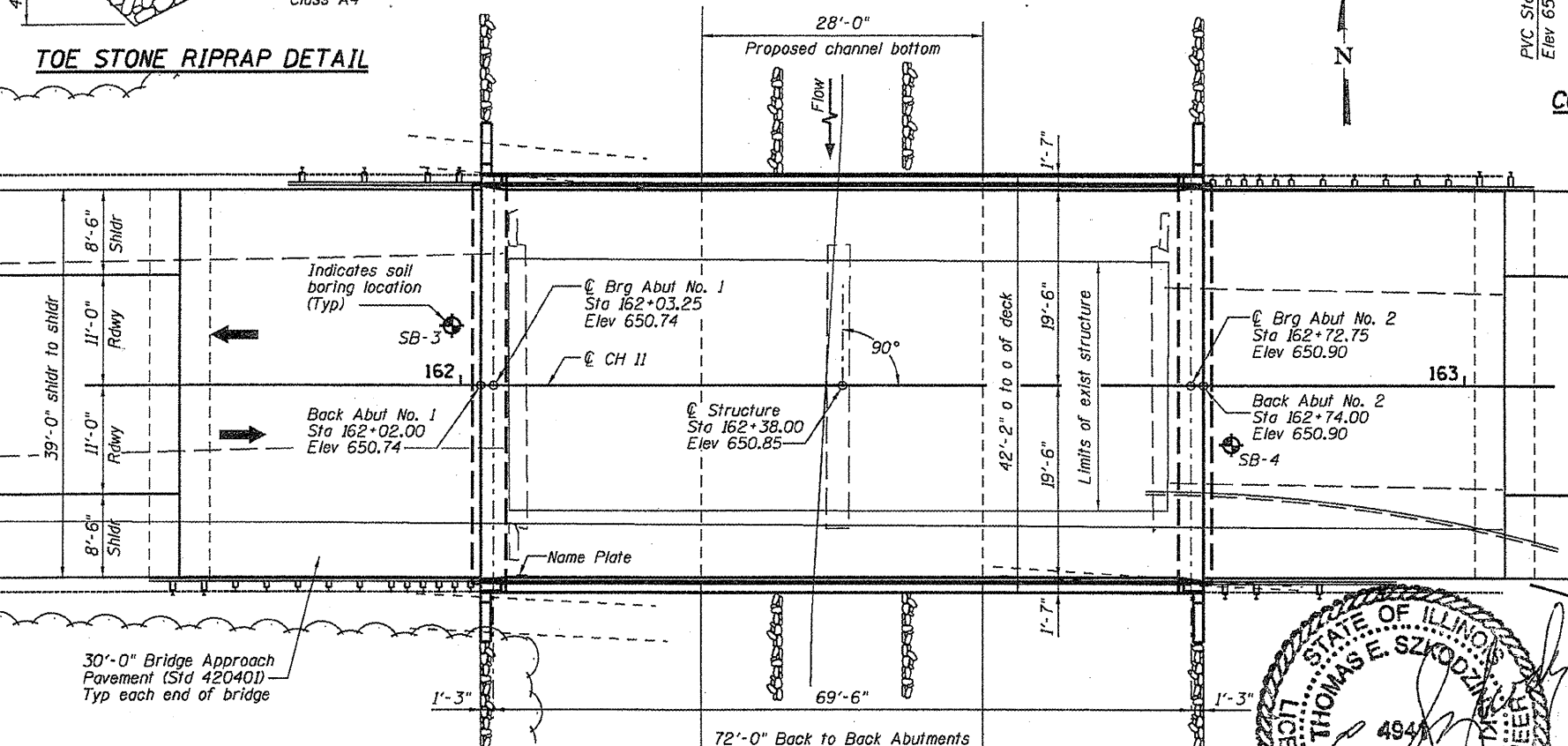
BUILT 20 BY
DOUGLAS COUNTY
SECTION 99-00080-00-RP
STA 162+38.00
LOADING HS 20
STRUCTURE NO. 021-4548

NAME PLATE
See Std. 515001



GENERAL NOTES:

- Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts (in painted areas and M164 Type 3 in unpainted areas). Bolts - 3/4" φ, holes - 15/16" φ, unless otherwise noted.
- Calculated weight of Structural Steel = 63,504 lb
- All structural steel shall be AASHTO M 270 Grade 50W
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special BDE Provisions
- Reinforcement bars designated (E) shall be epoxy coated.
- Bearing seat surfaces shall be constructed or adjusted to their designated elevations within a tolerance of 1/8 inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- Structural steel shall only be painted for a distance equal to the depth of embedment into the concrete cap plus 3 inches. Those areas shall be primed in the shop with a Department approved zinc rich primer. No field painting shall be required. All structural steel shall be cleaned as specified in the Special Provision for "Surface Preparation and Painting Requirements for Weathering Steel".
- Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
- The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.
- All cross frames or diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual cross frames or diaphragms at supports may be temporarily disconnected to install bearing anchor rods.



DESIGN STRESSES

FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50W)

DESIGN SPECIFICATIONS
2002 AASHTO Bridge Design Specifications
17th Edition

LOADING HS 20
Allow 50#/sq. ft. for future wearing surface.

SEISMIC DATA
Seismic Performance Zone (SPZ) = A
Bedrock Acceleration Coefficient (A) = 0.04
Site Coefficient (S) = 1.0

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.			122
Concrete Structures	Cu. Yd.		31	31
Concrete Superstructure	Cu. Yd.	117		117
Bridge Deck Grooving	Sq. Yd.	296		296
Protective Coat	Sq. Yd.	373		373
Furnishing and Erecting Structural Steel	L. Sum	1		1
Furnishing Metal Pile Shells 14"x 0.250	Foot		533	533
Driving Piles	Foot		533	533
Test Pile Metal Shells	Each		1	1
Pipe Underdrains for Structures, 4"	Foot			106
Reinforcement Bars, Epoxy Coated	Pound	26,190	3800	29,990
Porous Granular Embankment (Special)	Ton			78
Stone Riprap, Class A	Sq. Yd.			675
Bar Splicers	Each	78		78
Anchor Bolt 1" φ	Each		20	20
Name Plates	Each		1	1
Stud Shear Connectors	Each	1575		1575
Channel Excavation	Cu. Yd.			135
Bridge Approach Pavement	Sq. Yd.			260

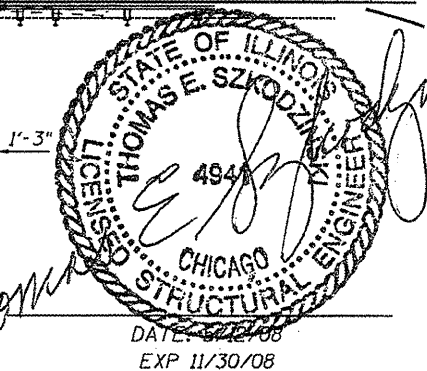
INDEX OF SHEETS

- General Plan
- Deck Elevations
- Top of West Approach Slab Elevations
- Top of East Approach Slab Elevations
- Framing Plan And Details
- Miscellaneous Details
- Deck Plan And Cross Section
- Superstructure Details
- Abutment No. 1 Details
- Abutment No. 2 Details
- Metal Shell Pile Details
- Bar Splicer Assbly Details
- Can'tilever Forming Brackets

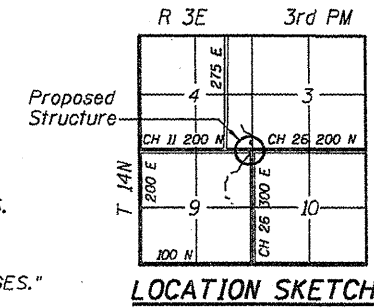
WATERWAY INFORMATION AT 70' UPSTREAM

Drainage Area = 20.48 sq mi Low Grade Elev. 648.84 @ Sta. 156+68.49

Flood Yr.	0	10	20	30	40	50	60	70	80	90	100
Design	30	1778	309	463	646.39	0.49	0.19	646.88	646.58		
Base	100	2263	309	491	646.80	0.85	0.29	647.65	647.09		
Max. Calc.	500	2862	309	519	647.22	1.24	0.42	648.46	647.64		



I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THIS BRIDGE DESIGN IS STRUCTURALLY ADEQUATE FOR THE DESIGN LOADING SHOWN ON THE PLANS. THE DESIGN IS AN ECONOMICAL ONE FOR THE STYLE OF STRUCTURE AND COMPLIES WITH THE REQUIREMENTS OF THE CURRENT "AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES."



CH 11 (FA 666) OVER BIG SLOUGH

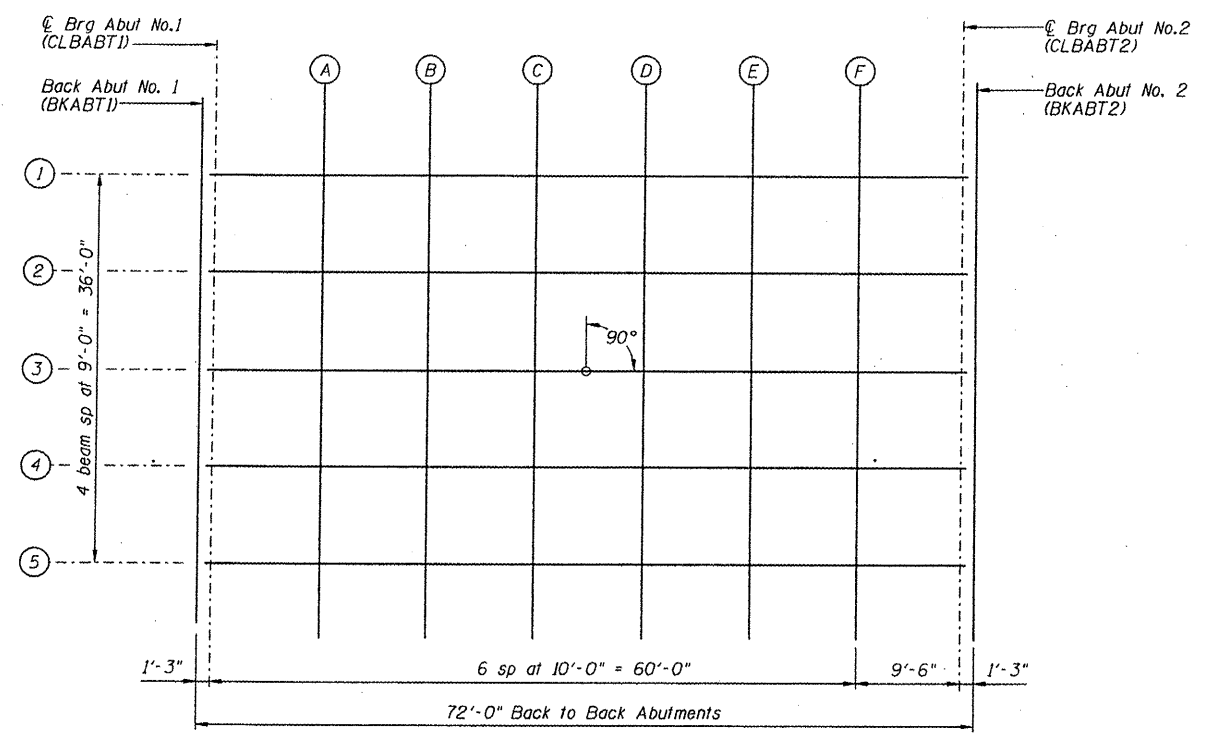
GENERAL PLAN

REVISIONS		SECTION 99-00080-00-RP		CH 11 (FA 666)	
NO.	DATE	INITIALS	DOUGLAS	SN 021-4548	COUNTY
1	JMB	05/08			
2					
3					
4					
5					
6					
7					
8					
9					
10					

HOMER L. CHASTAIN & ASSOCIATES, LLP
 CONSULTING ENGINEERS
 164-00197
 DECATUR CHICAGO
 (317) 425-8444 (773) 714-0050
 ROCKFORD
 (815) 489-0050

DRAWN BY: R KING
 DATE: 01/08
 CHECKED BY: JMB
 DATE: 01/08
 PROJECT NO.: 5149
 SHEET NO.:

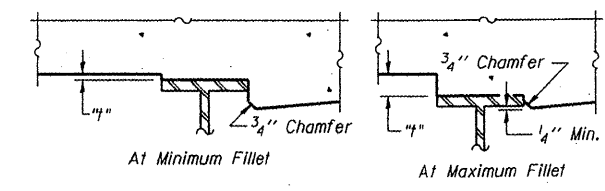
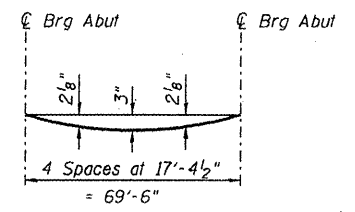
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	DOUGLAS	279	61
FED. ROAD DIST. NO.		K.M.I.D.S.	PROJECT	
*99-00080-00-RP				



DECK ELEVATION LAYOUT

DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)
 Note: The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below.



To determine "I": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown below, minus slab thickness, equals the fillet heights "I" above top flange of beams.

FILLET HEIGHTS

SCREED INFORMATION FOR GIRDER 1

Location	Station	Offset	Theoretical Grade Elevations	Elevation Adjusted for Dead Load Deflection
BKABUT1	16202.000	-18.000	650.421	650.421
CLBAPT1	16203.250	-18.000	650.426	650.426
A	16213.250	-18.000	650.463	650.560
B	16223.250	-18.000	650.496	650.668
C	16233.250	-18.000	650.523	650.736
D	16243.250	-18.000	650.546	650.757
E	16253.250	-18.000	650.563	650.732
F	16263.250	-18.000	650.575	650.667
CLBAPT2	16272.750	-18.000	650.582	650.582
BKABUT2	16274.000	-18.000	650.582	650.582

SCREED INFORMATION FOR GIRDER 3

Location	Station	Offset	Theoretical Grade Elevations	Elevation Adjusted for Dead Load Deflection
BKABUT1	16202.000	0.000	650.738	650.738
CLBAPT1	16203.250	0.000	650.743	650.743
A	16213.250	0.000	650.781	650.877
B	16223.250	0.000	650.814	650.986
C	16233.250	0.000	650.841	651.054
D	16243.250	0.000	650.863	651.075
E	16253.250	0.000	650.881	651.050
F	16263.250	0.000	650.893	650.985
CLBAPT2	16272.750	0.000	650.899	650.899
BKABUT2	16274.000	0.000	650.900	650.900

SCREED INFORMATION FOR GIRDER 5

Location	Station	Offset	Theoretical Grade Elevations	Elevation Adjusted for Dead Load Deflection
BKABUT1	16202.000	18.000	650.421	650.421
CLBAPT1	16203.250	18.000	650.426	650.426
A	16213.250	18.000	650.463	650.560
B	16223.250	18.000	650.496	650.668
C	16233.250	18.000	650.523	650.736
D	16243.250	18.000	650.546	650.757
E	16253.250	18.000	650.563	650.732
F	16263.250	18.000	650.575	650.667
CLBAPT2	16272.750	18.000	650.582	650.582
BKABUT2	16274.000	18.000	650.582	650.582

SCREED INFORMATION FOR GIRDER 2

Location	Station	Offset	Theoretical Grade Elevations	Elevation Adjusted for Dead Load Deflection
BKABUT1	16202.000	-9.000	650.598	650.598
CLBAPT1	16203.250	-9.000	650.603	650.603
A	16213.250	-9.000	650.641	650.737
B	16223.250	-9.000	650.673	650.845
C	16233.250	-9.000	650.701	650.913
D	16243.250	-9.000	650.723	650.935
E	16253.250	-9.000	650.740	650.909
F	16263.250	-9.000	650.752	650.844
CLBAPT2	16272.750	-9.000	650.759	650.759
BKABUT2	16274.000	-9.000	650.759	650.759

SCREED INFORMATION FOR GIRDER 4

Location	Station	Offset	Theoretical Grade Elevations	Elevation Adjusted for Dead Load Deflection
BKABUT1	16202.000	9.000	650.598	650.598
CLBAPT1	16203.250	9.000	650.603	650.603
A	16213.250	9.000	650.641	650.737
B	16223.250	9.000	650.673	650.845
C	16233.250	9.000	650.701	650.913
D	16243.250	9.000	650.723	650.935
E	16253.250	9.000	650.740	650.909
F	16263.250	9.000	650.752	650.844
CLBAPT2	16272.750	9.000	650.759	650.759
BKABUT2	16274.000	9.000	650.759	650.759

CH 11 (FA 666) OVER BIG SLOUGH

DECK ELEVATIONS

REVISIONS	SECTION 99-00080-00-RP	CH 11 (FAS 666)	DRAWN BY DATE
1	DOUGLAS	SN 021-4548	R KING 01/08
2		COUNTY	CHECKED BY DATE
3			JMB 01/08
4			BOOK NUMBER
5			PROJECT NO.
6			5149
7			SHEET NO.
8			
9			
10			

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	DOUGLAS	279	62
FED. ROAD DIST. NO.		ILL. PROJ.	PROJECT	
*99-00080-00-RP				

NORTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
End of West appr pavement	161+72.00	-19.50	650.24
A	161+82.00	-19.50	650.30
B	161+92.00	-19.50	650.35
Back Abut No. 1	162+02.00	-19.50	650.39

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
End of West appr pavement	161+72.00	-11.00	650.42
A	161+82.00	-11.00	650.47
B	161+92.00	-11.00	650.52
Back Abut No. 1	162+02.00	-11.00	650.57

☉ ROADWAY AND CH 11

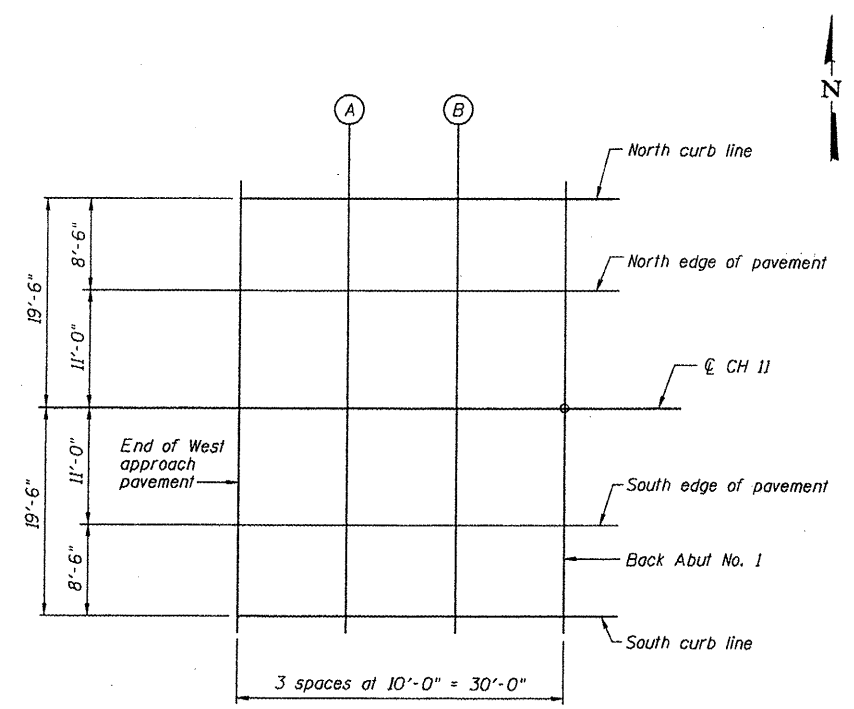
Location	Station	Offset	Theoretical Grade Elevations
End of West appr pavement	161+72.00	0.00	650.59
A	161+82.00	0.00	650.65
B	161+92.00	0.00	650.69
Back Abut No. 1	162+02.00	0.00	650.74

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
End of West appr pavement	161+72.00	11.00	650.42
A	161+82.00	11.00	650.47
B	161+92.00	11.00	650.52
Back Abut No. 1	162+02.00	11.00	650.57

SOUTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
End of West appr pavement	161+72.00	19.50	650.24
A	161+82.00	19.50	650.30
B	161+92.00	19.50	650.35
Back Abut No. 1	162+02.00	19.50	650.39



PLAN

CH 11 (FA 666) OVER BIG SLOUGH

REVISIONS		SECTION 99-00080-00-RP		CH 11 (FA 666)		DRAWN BY DATE	
NO.	DATE	INITIALS	DOUGLAS	SN 021-4548	COUNTY	R KING	01/08
1						JMB	01/08
2							
3							
4							
5							
6							
7							
8							
9							
10							

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	ROCKFORD (815) 489-0000	SHEET NO.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	DOUGLAS	279	63
FED. ROAD DIST. NO.		ELLIMOS	PROJECT	
99-00080-00-RP				

NORTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
Back Abut No. 2	162+74.00	-19.50	650.55
A	162+84.00	-19.50	650.55
B	162+94.00	-19.50	650.55
End of East appr pavement	163+04.00	-19.50	650.54

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
Back Abut No. 2	162+74.00	-11.00	650.73
A	162+84.00	-11.00	650.73
B	162+94.00	-11.00	650.73
End of East appr pavement	163+04.00	-11.00	650.72

☉ ROADWAY AND CH 11

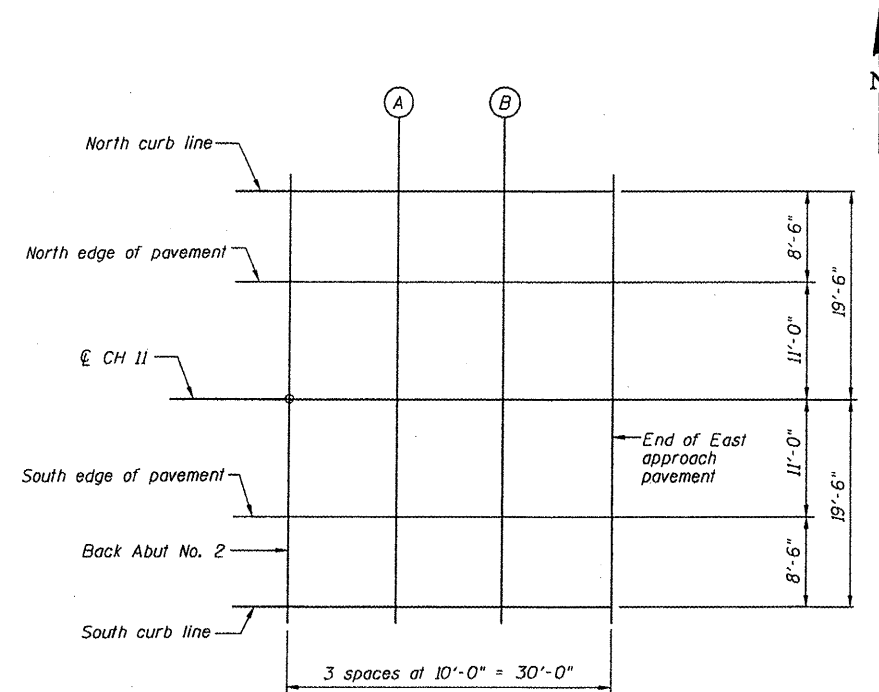
Location	Station	Offset	Theoretical Grade Elevations
Back Abut No. 2	162+74.00	0.00	650.90
A	162+84.00	0.00	650.90
B	162+94.00	0.00	650.90
End of East appr pavement	163+04.00	0.00	650.89

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
Back Abut No. 2	162+74.00	11.00	650.73
A	162+84.00	11.00	650.73
B	162+94.00	11.00	650.73
End of East appr pavement	163+04.00	11.00	650.72

SOUTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
Back Abut No. 2	162+74.00	19.50	650.55
A	162+84.00	19.50	650.55
B	162+94.00	19.50	650.55
End of East appr pavement	163+04.00	19.50	650.54



PLAN

CH 11 (FA 666) OVER BIG SLOUGH

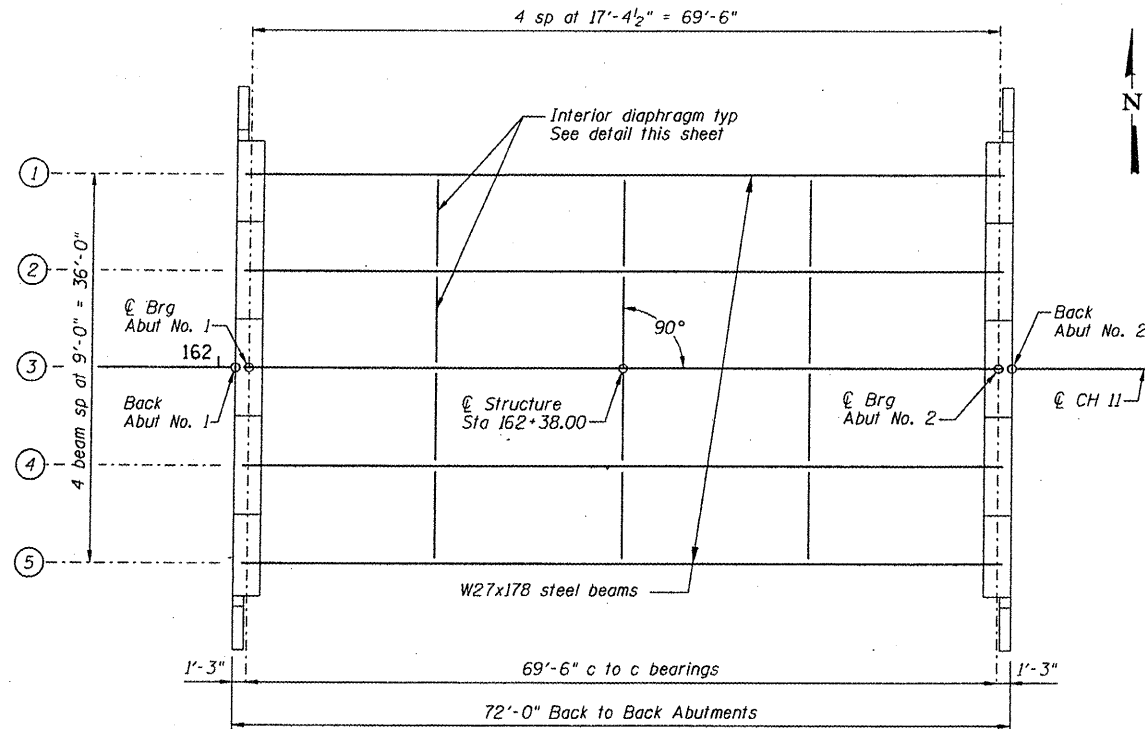
TOP OF EAST APPROACH SLAB ELEVATIONS

REVISIONS	SECTION 99-00080-00-RP	CH 11 (FAS 666)	DRAWN BY DATE
1	DOUGLAS	SN 021-4548	R KING 01/08
2			CHECKED BY DATE
3			JMB 01/08
4			BOOK NUMBER
5			
6			PROJECT NO.
7			5149
8			SHEET NO.
9			
10			

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Sheet No. 5
of 13 Sheets

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	#	DOUGLAS	279	64
FEDERAL DISTRICT		BLK. NO.	PROJECT	
*99-00080-00-RP				



FRAMING PLAN

I_s	(in ⁴)	6990
$I_c(n)$	(in ⁴)	18429
$I_c(3n)$	(in ⁴)	13383
S_s	(in ³)	503
$S_c(n)$	(in ³)	728
$S_c(3n)$	(in ³)	656
Z	(in ³)	
ϕ	(k/')	1.131
$M\phi$	(k)	683
$s\phi$	(k/')	0.570
$M_s\phi$	(k)	344
M_L	(k)	690
M_{imp}	(k)	177
$S_3 [M_L + M_{imp}]$	(k)	1446
M_o	(k)	3215
M_u	(k)	3357
$f_s \phi$ non-comp	(ksi)	16.3
$f_s \phi$ (comp)	(ksi)	6.3
$f_s S_3 [M_L + M_{imp}]$	(ksi)	23.8
f_s (Overload)	(ksi)	46.4
f_s (Total)	(ksi)	
VR	(k)	70.2

	Abut.	
$R\phi$	(k)	59.2
R_L	(k)	51.2
Imp.	(k)	13.2
R_{Total}	(k)	123.7

* Compact section
** Braced non-compact and partially braced section

- I_s, S_s : Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total and Overload) due to non-composite dead loads (in⁴ and in³).
- $I_c(n), S_c(n)$: Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s (Total and Overload) due to short-term composite live loads (in⁴ and in³).
- $I_c(3n), S_c(3n)$: Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s (Total and Overload) due to long-term composite (superimposed) dead loads (in⁴ and in³).
- Z : Plastic Section Modulus of the steel section in non-composite areas (in³).
- ϕ : Un-factored non-composite dead load (kips/ft.).
- $M\phi$: Un-factored moment due to non-composite dead load (kip-ft.).
- $s\phi$: Un-factored long-term composite (superimposed) dead load (kips/ft.).
- $M_s\phi$: Un-factored moment due to long-term composite (superimposed) dead load (kip-ft.).
- M_L : Un-factored live load moment (kip-ft.).
- M_{imp} : Un-factored moment due to impact (kip-ft.).
- M_o : Factored design moment (kip-ft.).
- M_u : Compact composite moment capacity according to AASHTO LFD 10.50.1.1 or compact non-composite moment capacity according to AASHTO LFD 10.48.1 (kip-ft.).
- f_s (Overload): Sum of stresses as computed from the moments below (ksi).
 $M\phi + M_s\phi + \frac{5}{3}(M_L + M_{imp})$
- f_s (Total): Sum of stresses as computed from the moments below on non-compact section (ksi).
 $1.3 [M\phi + M_s\phi + \frac{5}{3}(M_L + M_{imp})]$
- VR: Maximum $\frac{1}{4}$ + impact horizontal shear range within the composite portion of the span for stud shear connector design (kips).

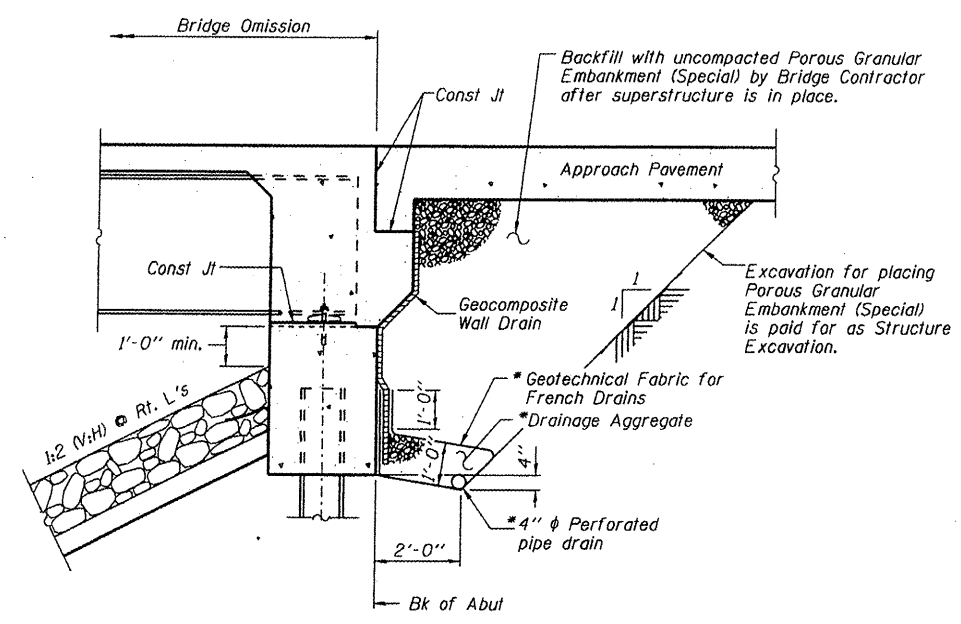
CH 11 (FA 666) OVER BIG SLOUGH

FRAMING PLAN AND DETAILS

REVISIONS	SECTION 99-00080-00-RP	CH 11 (FAS 666)	DRAWN BY DATE
1	DOUGLAS	SN 021-4548	R. F. INC. 01/08
2		COUNTY	CHECKED BY DATE
3			JMB 01/08
4			BOOK NUMBER
5			
6			PROJECT NO.
7			5149
8			SHEET NO.
9			
10			

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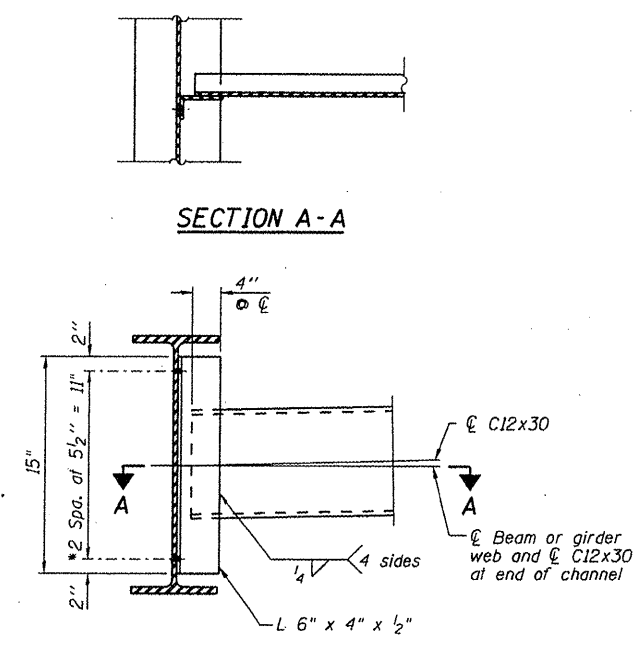
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DOUGLAS	279	65
FEDERAL DIST. NO.		ILLINOIS	PROJECT	
*99-00080-00-RP				



SECTION THRU INTEGRAL ABUTMENT
(Horiz. dim. ϕ Rt. L's)

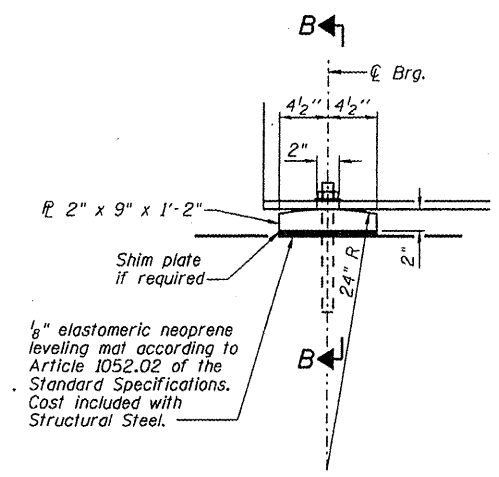
* Included in the cost of Pipe Underdrains for Structures.

Note:
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

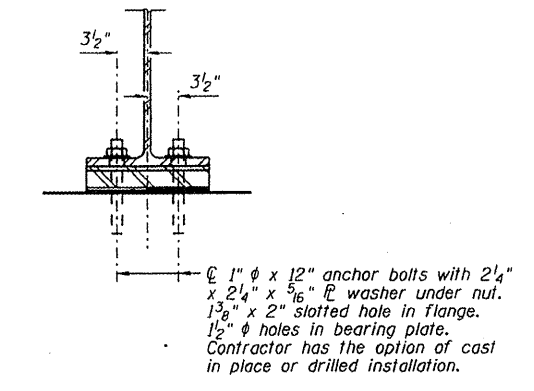


INTERIOR DIAPHRAGM

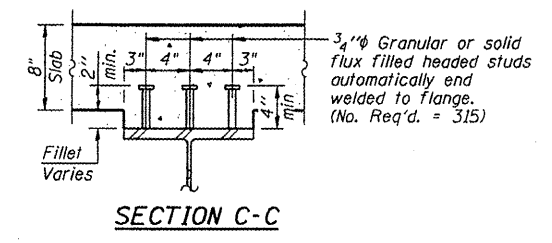
Note:
Two hardened washers required for each set of oversized holes.
* 3/4" ϕ HS bolts, 5/16" ϕ holes



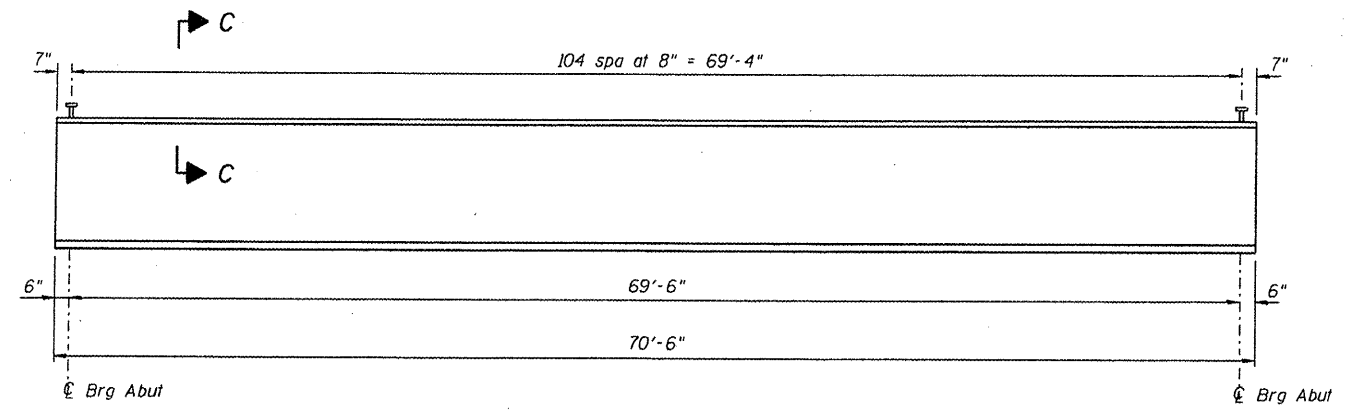
**ELEVATION AT ABUTMENT
FIXED BEARING**



SECTION B-B



SECTION C-C



BEAM ELEVATION

CH II (FA 666) OVER BIG SLOUGH

MISCELLANEOUS DETAILS

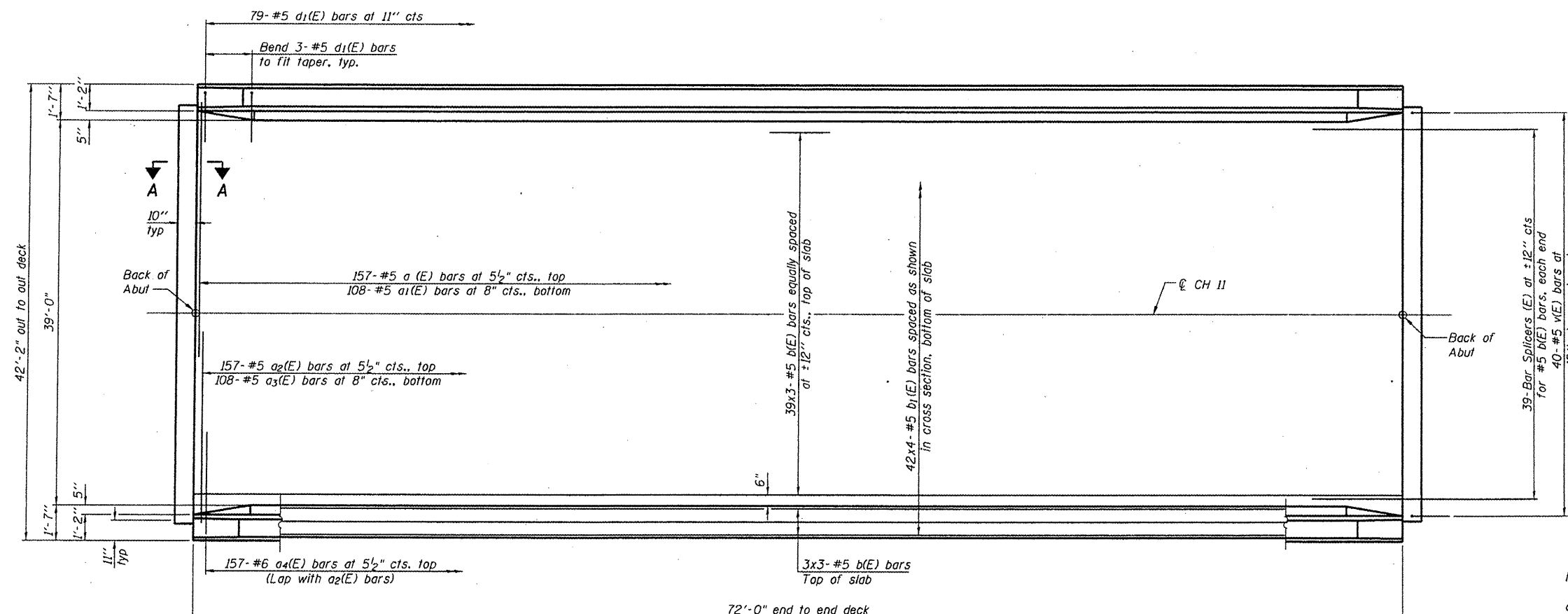
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1	DATE INITIALS	DOUGLAS	SN 021-4548	R KING 01/08
2			COUNTY	CHECKED BY DATE
3				JMB 01/08
4				BOOK NUMBER
5				PROJECT NO.
6				5149
7				SHEET NO.
8				
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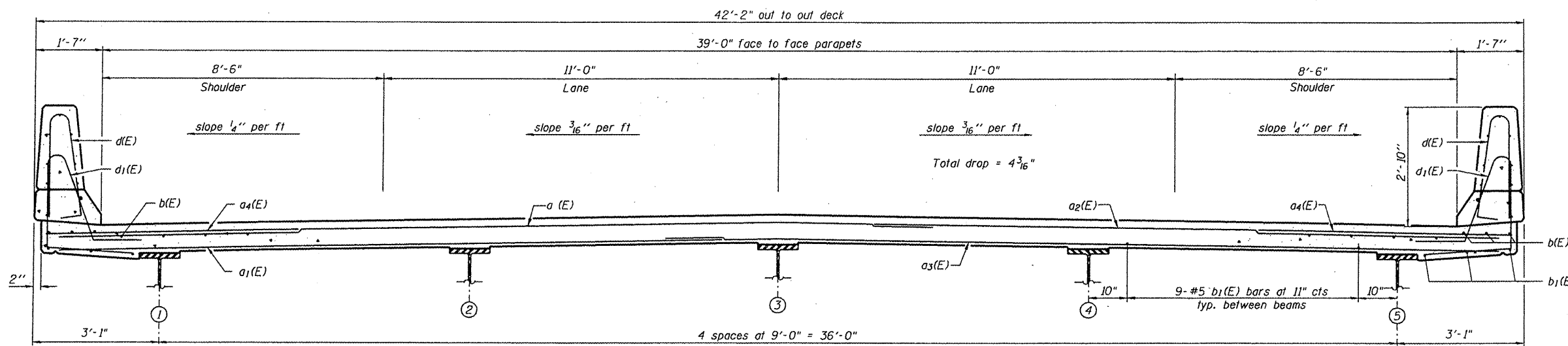
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DOUGLAS	279	66

FEDERAL DIST. NO. ILLINOIS PROJECT #99-00080-00-RP



PLAN

Notes:
See Sheet 8 of 13 for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
See Sheet 8 of 13 for parapet reinforcement.



CROSS SECTION
(Looking Up Station)

CH 11 (FA 666) OVER BIG SLOUGH

DECK PLAN AND CROSS SECTION

REVISIONS		SECTION 99-00080-00-RP		CH 11 (FA 666)		DRAWN BY DATE	
1		DOUGLAS	SN 021-4548	DOUGLAS	COUNTY	R KING	01/08
2						JMS	01/08
3							
4							
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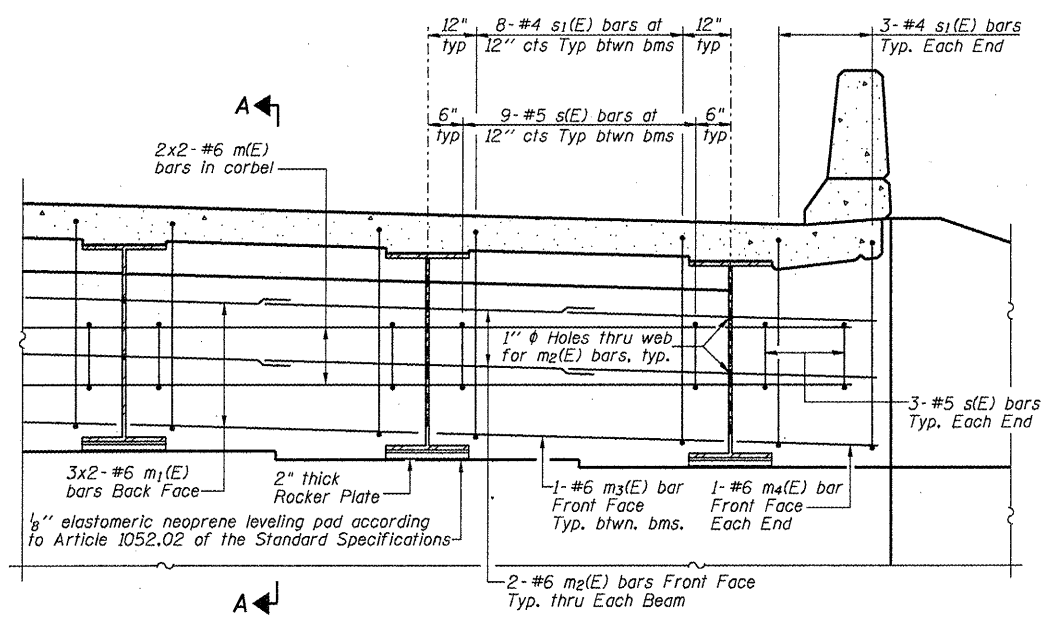
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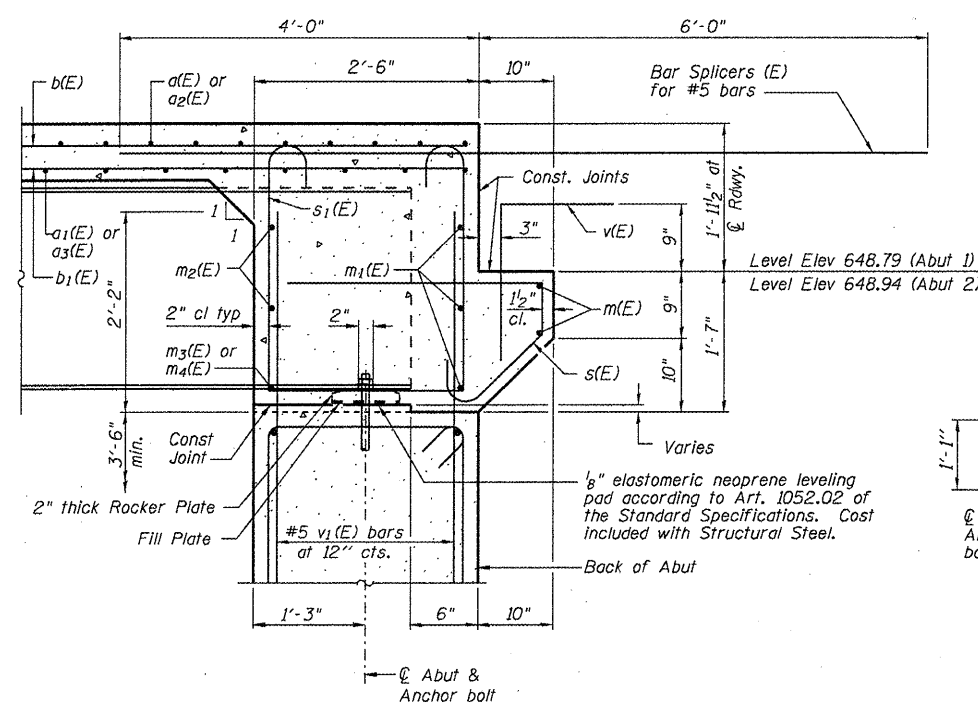
PROJECT No. 5149
SHEET No.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DOUGLAS	279	67
FEDERAL DISTRICT	BLANDS	PROJECT		

#99-00080-00-RP

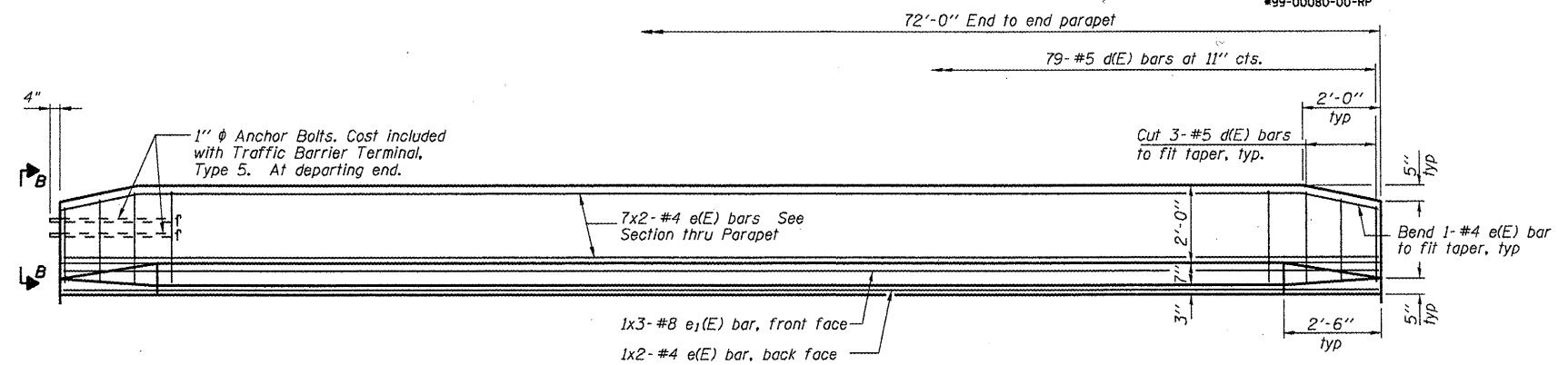


DIAPHRAGM ELEVATION AT ABUTMENT



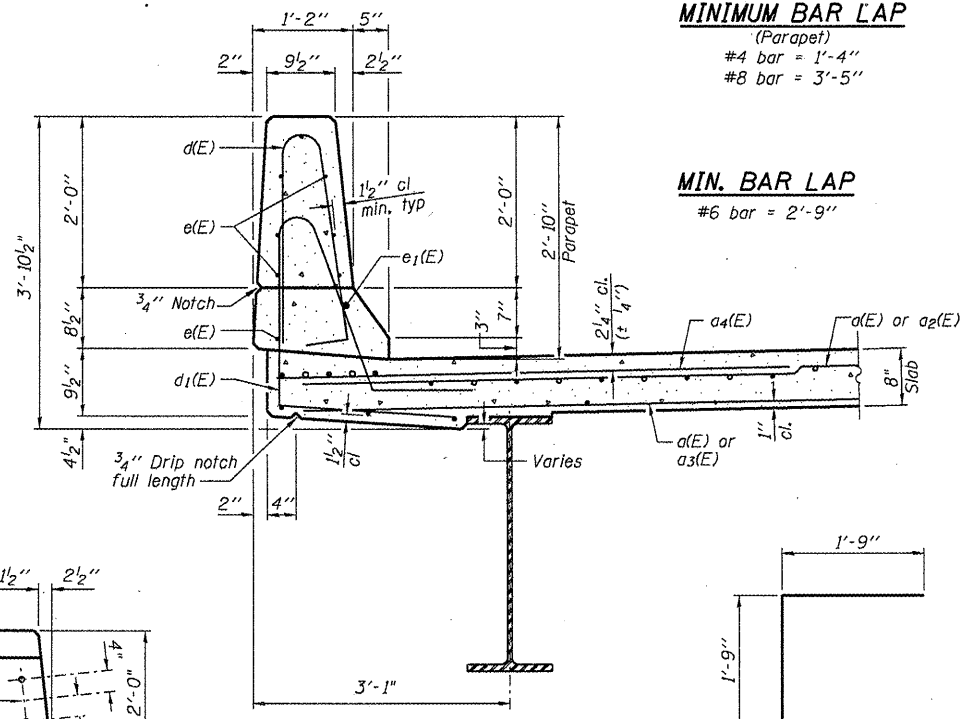
SECTION A-A

Notes:
Reinforcement bars in diaphragm are billed with superstructure on this sheet.
Concrete in diaphragm is included with Concrete Superstructure on this sheet.
The s(E) and s1(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.

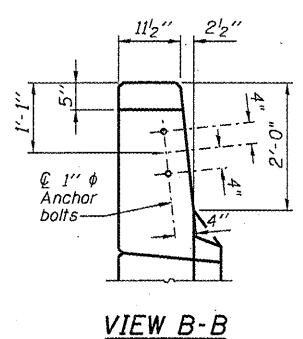


INSIDE ELEVATION OF PARAPET

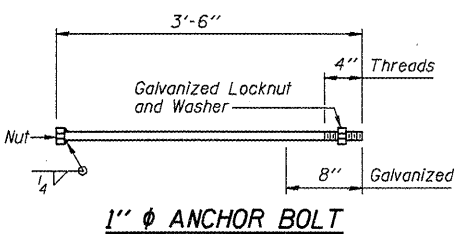
MINIMUM BAR LAP
(Parapet)
#4 bar = 1'-4"
#8 bar = 3'-5"



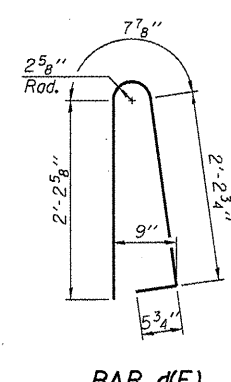
SECTION THRU PARAPET



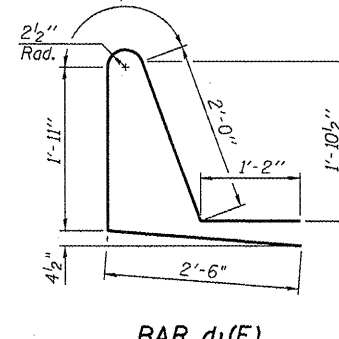
VIEW B-B



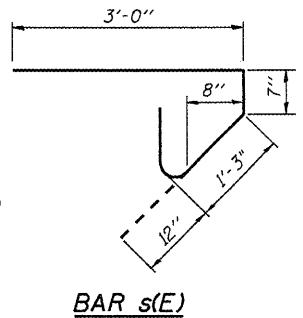
1" ANCHOR BOLT



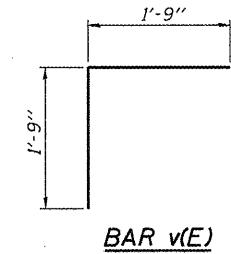
BAR d(E)



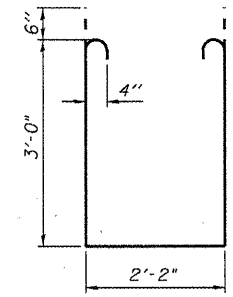
BAR d1(E)



BAR s(E)



BAR v(E)



BAR s1(E)

SUPERSTRUCTURE
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	157	#5	26'-2"	
a1(E)	108	#5	20'-0"	
a2(E)	157	#5	17'-2"	
a3(E)	108	#5	23'-3"	
a4(E)	157	#6	6'-0"	
b(E)	135	#5	25'-4"	
b1(E)	168	#5	19'-7"	
d(E)	158	#5	5'-7"	
d1(E)	158	#5	8'-2"	
e(E)	32	#4	36'-6"	
e1(E)	6	#8	24'-10"	
m(E)	8	#6	21'-5"	
m1(E)	12	#6	22'-4"	
m2(E)	20	#6	10'-7"	
m3(E)	8	#6	8'-8"	
m4(E)	4	#6	2'-9"	
s(E)	84	#5	5'-10"	
s1(E)	76	#4	9'-2"	
v(E)	80	#5	3'-6"	
Reinforcement Bars, Epoxy Coated		Pound	26,190	
Concrete Superstructure		Cu. Yds.	117	
Bar Splicers		Each	78	

Bars indicated thus 1 x 3 - #5 etc. indicates 1 line of bars with 3 lengths per line.

CH 11 (FA 666) OVER BIG SLOUGH
SUPERSTRUCTURE DETAILS

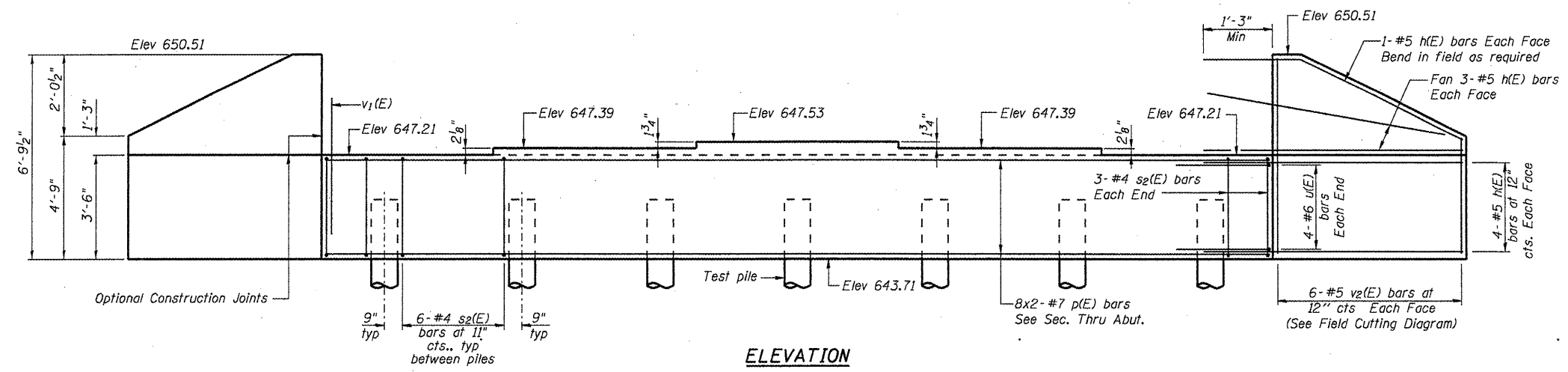
REVISIONS	SECTION 99-00080-00-RP	CH 11 (FAS 666)	DRAWN BY DATE
NO. DATE INITIALS	SN 021-4548	COUNTY	R KING 01/08
1 JMB 05/08	DOUGLAS		CHECKED BY DATE
			JMB 01/08
			BOOK NUMBER
			PROJECT NO.
			5149
			SHEET NO.

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815-499-0020

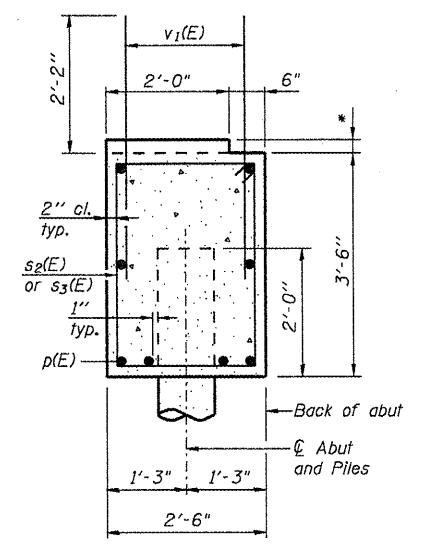
Sheet No. 9
of 13 Sheets

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DOUGLAS	279	68
FED. ROAD DIST. NO.		KLING	PROJECT	
#99-00080-00-RP				

Notes: Four steps monolithically with cap.

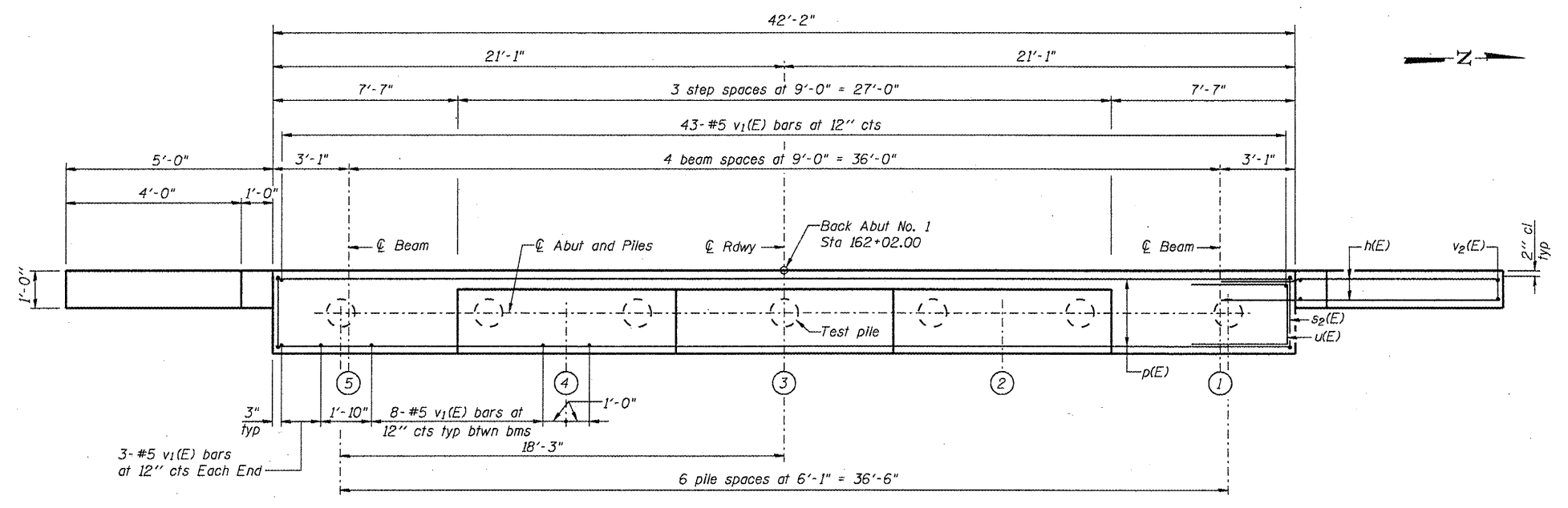


ELEVATION



SEC. THRU ABUT.

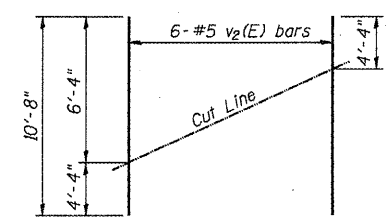
*Varies per beam seat



PLAN

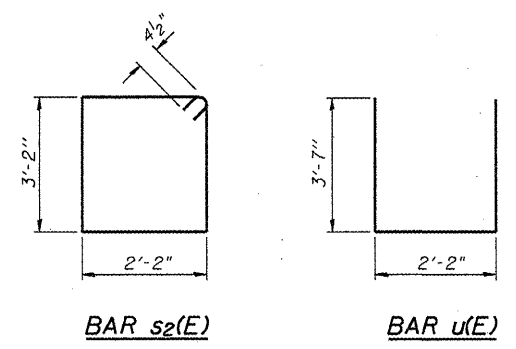
PILE DATA

Type: Metal shell - 14 in dia x 0.25 in walls
 Nominal Required Bearing: 372 k
 Allowable Resistance Available: 124 k
 Est. Length: 41'
 No. Production Piles: 6
 No. Test Piles: 1



FIELD CUTTING DIAGRAM

Order v2(E) full length. Cut as shown and use remainder of bars in opposite face.



BAR s2(E)

BAR u(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	32	#5	6'-8"	—
p(E)	16	#7	22'-8"	—
s2(E)	42	#4	11'-5"	□
u(E)	8	#6	9'-4"	—
v1(E)	81	#5	4'-4"	—
v2(E)	12	#5	10'-8"	—
Structure Excavation		Cu. Yd.	61	
Concrete Structures		Cu. Yd.	15.3	
Reinforcement Bars, Epoxy Coated		Pound	1900	
Furnishing Metal Pile Shells 14"		Foot	246	
Driving Piles		Foot	246	
Test Pile Metal Shells		Each	1	

For details of Bar Splicers, see sheet 12 of 13.
 For details of piles see sheet 11 of 13.

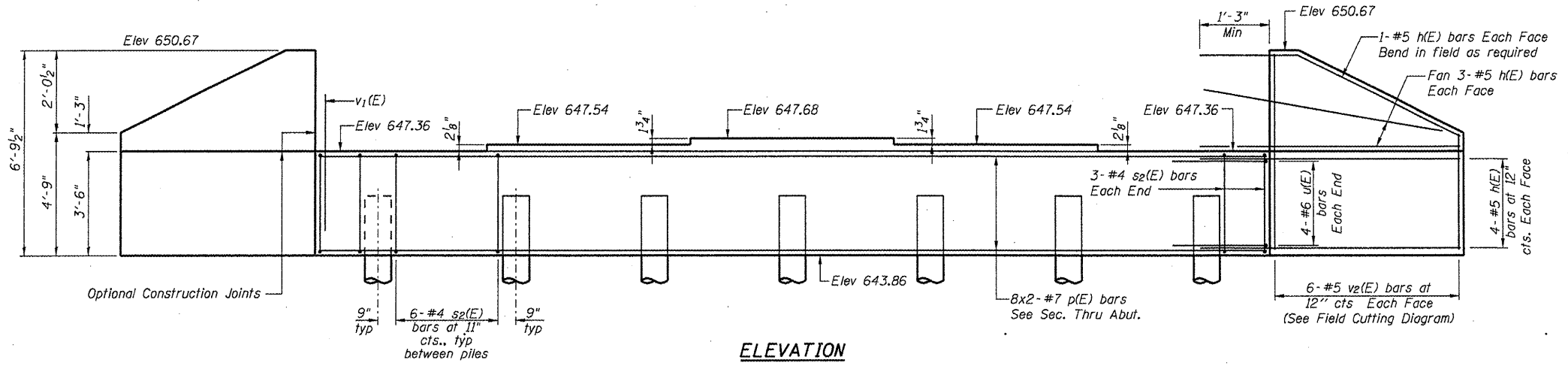
CH 11 (FA 666) OVER BIG SLOUGH
 ABUTMENT NO. 1 DETAILS

REVISIONS	SECTION 99-00080-00-RP	CH 11 (FAS 666)	DRAWN BY DATE
NO. DATE INITIALS	SN 021-4548		R KING 01/08
1 JMB 05/08	DOUGLAS	COUNTY	CHECKED BY DATE
			JMB 01/08
			BOOK NUMBER
			PROJECT NO.
			5149
			SHEET NO.

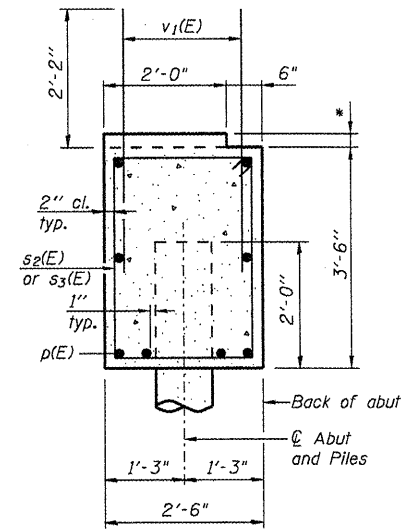
HOMER L. CHASTAIN & ASSOCIATES, LLP
 CONSULTING ENGINEERS
 184-00197
 DECATUR CHICAGO
 (317) 429-8544 (773) 714-0050
 ROCKFORD
 (815) 489-0050

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DOUGLAS	279	69
FEDERAL DIST.	ILLINOIS	PROJECT		
*99-00080-00-RP				

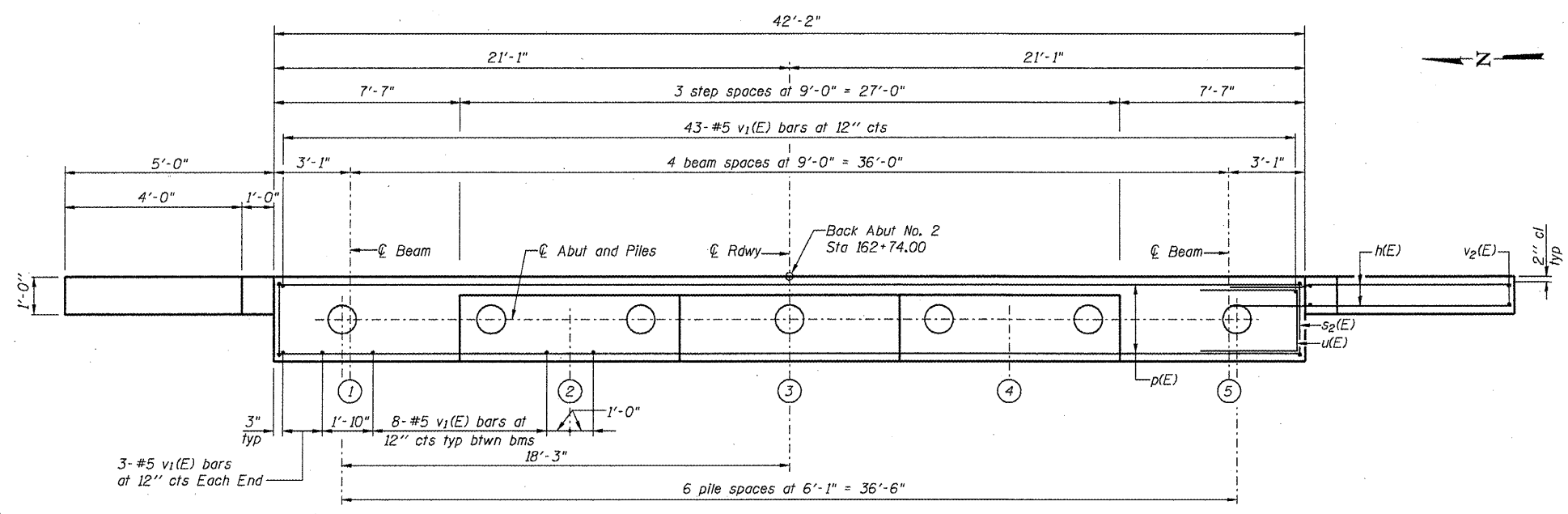
Notes: Four steps monolithically with cap.



ELEVATION



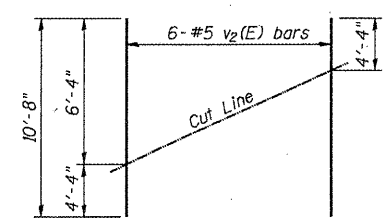
SEC. THRU ABUT.
*Varies per beam seat



PLAN

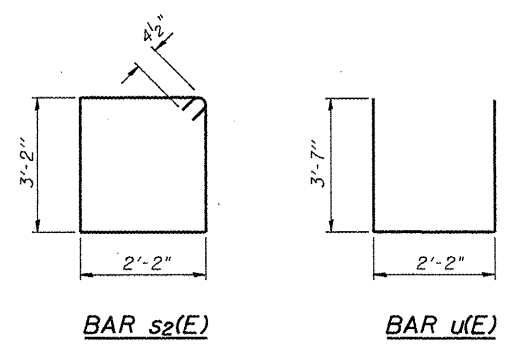
PILE DATA

Type: Metal shell - 14 in dia x 0.25 in walls
Nominal Required Bearing: 372 k
Allowable Resistance Available: 124 k
Est. Length: 41'
No. Production Piles: 7
No. Test Piles: 0



FIELD CUTTING DIAGRAM

Order v2(E) full length. Cut as shown and use remainder of bars in opposite face.



BAR s2(E)

BAR u(E)

BILL OF MATERIAL

Bar No.	Size	Length	Shape
h(E)	#5	6'-8"	—
p(E)	#7	22'-8"	—
s2(E)	#4	11'-5"	□
u(E)	#6	9'-4"	—
v1(E)	#5	4'-4"	—
v2(E)	#5	10'-8"	—
Structure Excavation			Cu. Yd. 61
Concrete Structures			Cu. Yd. 15.3
Reinforcement Bars, Epoxy Coated			Pound 1900
Furnishing Metal			Foot 287
Pile Shells 14"			Foot 287
Driving Piles			Foot 287

For details of Bar Splicers, see sheet 12 of 13.
For details of piles see sheet 11 of 13.

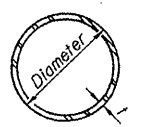
CH 11 (FA 666) OVER BIG SLOUGH
ABUTMENT NO. 2 DETAILS

REVISIONS	SECTION 99-00080-00-RP	CH 11 (FAS 666)	DRAWN BY DATE
1	DOUGLAS	SN 021-4548	R KING 01/08
2		COUNTY	CHECKED BY DATE
3			JMS 01/08
4			BOOK NUMBER
5			
6			PROJECT No.
7			5149
8			SHEET No.
9			
10			

HOMER L. CHASTAIN & ASSOCIATES, LLP
CONSULTING ENGINEERS
164-00197

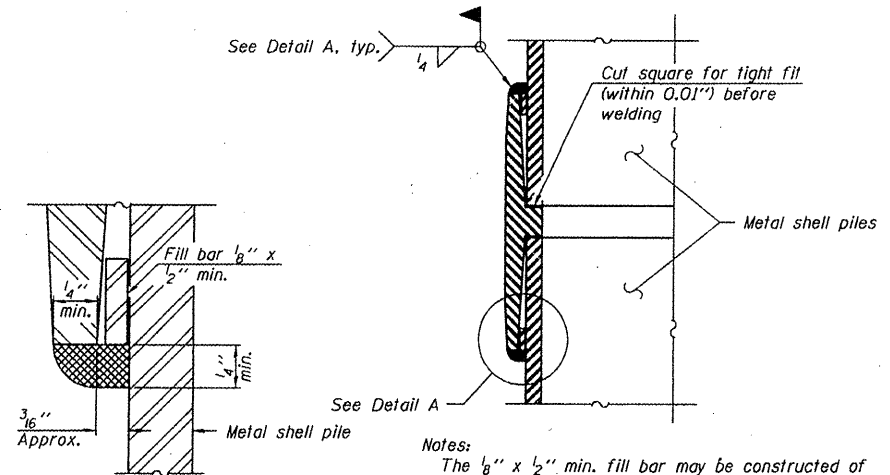
DECATUR CHICAGO
617-423-8544 678 714-0050
ROCKFORD
815-489-0050

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DOUGLAS	279	70
FED. ROAD DIST. NO.	KLMOS	PROJECT		
*99-00080-00-RP				



METAL SHELL PILE TABLE

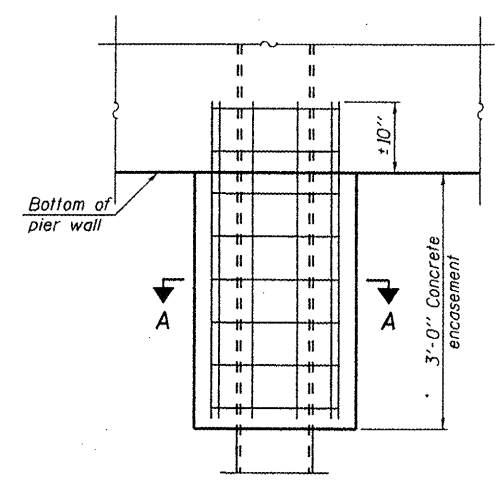
Designation	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd. ³ /ft.)	Encasement diameter A
PP12	0.179"	22.60	0.0274	30"
PP12	0.250"	31.37	0.0267	30"
PP14	0.250"	36.71	0.0368	30"
PP14	0.312"	45.61	0.0361	30"



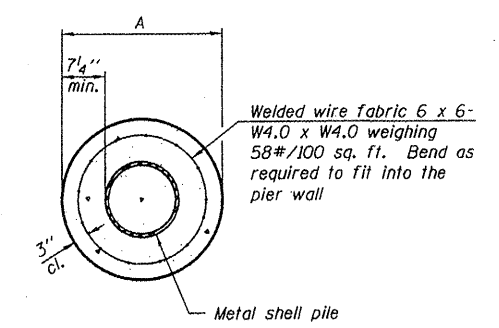
DETAIL A

Notes:
The 1/8" x 1/2" min. fill bar may be constructed of 2 bars with a 1/8" max. gap between them.
Pile segments shall be driven to solid contact with splicer before welding.

WELDED COMMERCIAL SPLICE



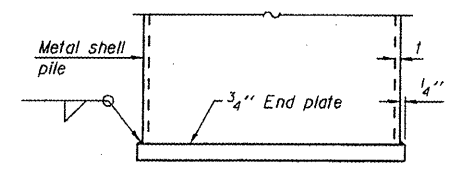
ELEVATION



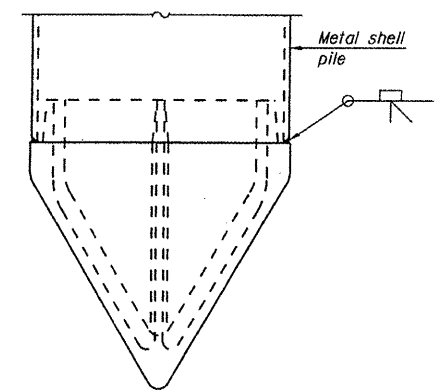
SECTION A-A

Notes:
See Metal Shell Pile Table for dimension "A".
Forms for encasement may be omitted when soil conditions permit.

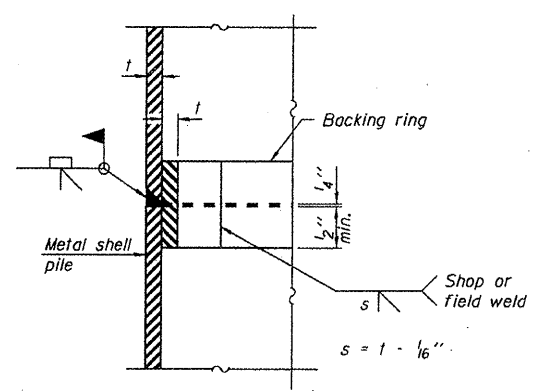
CONCRETE ENCASEMENT AT PIERS



END PLATE ATTACHMENT

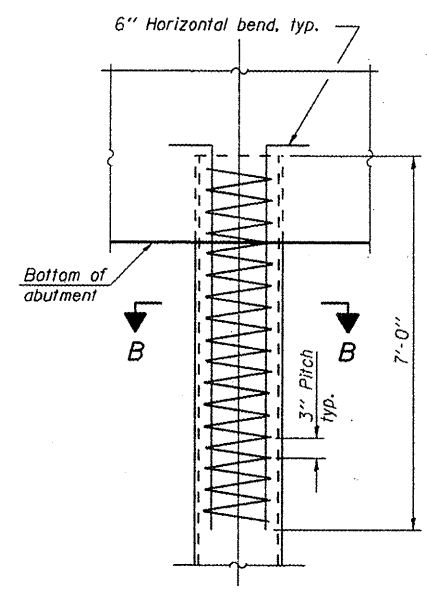


METAL SHELL PILE SHOE ATTACHMENT

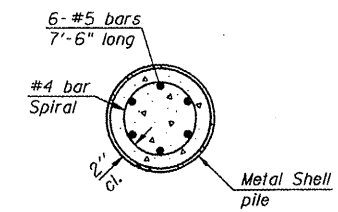


COMPLETE PENETRATION WELD SPLICE

Backing ring made from pile shell. Remove segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.



ELEVATION



SECTION B-B

METAL SHELL REINFORCEMENT AT ABUTMENTS

CH 11 (FA 666) OVER BIG SLOUGH

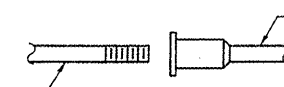
METAL SHELL PILE DETAILS

SECTION 99-00080-00-RP	CH 11 (FAS 666)	DRAWN BY: R KING	DATE: 01/08
DOUGLAS	SN 021-4548	CHECKED BY: JMB	DATE: 01/08
COUNTY		BOOK NUMBER	
HOMER L. CHASTAIN & ASSOCIATES, LLP		PROJECT NO. 5149	
CONSULTING ENGINEERS		SHEET NO.	
184-00197		ROCKFORD (815) 499-0060	

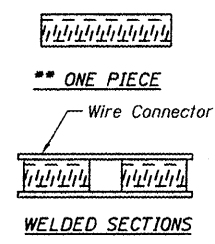
Note:
The metal shell piles shall be according to ASTM A 252 Grade 3.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DOUGLAS	279	71
FEDERAL DIST. NO.		KLMGOS	PROJECT	
*99-00080-00-RP				

The diameter of this part is the same as the diameter of the bar spliced.

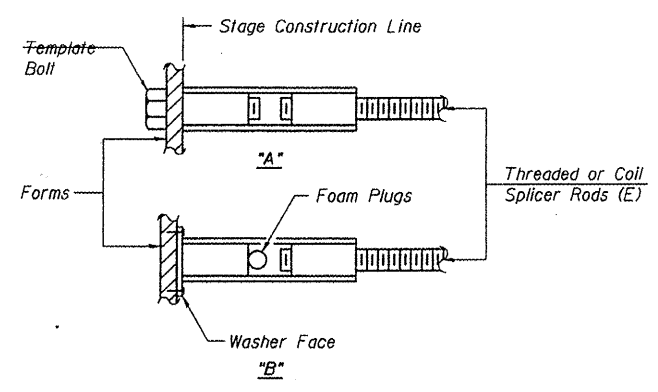


ROLLED THREAD DOWEL BAR



BAR SPLICER ASSEMBLY ALTERNATIVES

** Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



INSTALLATION AND SETTING METHODS

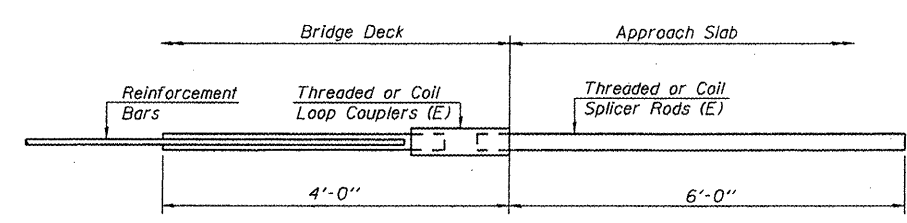
"A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.
 Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.
 All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.
 Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

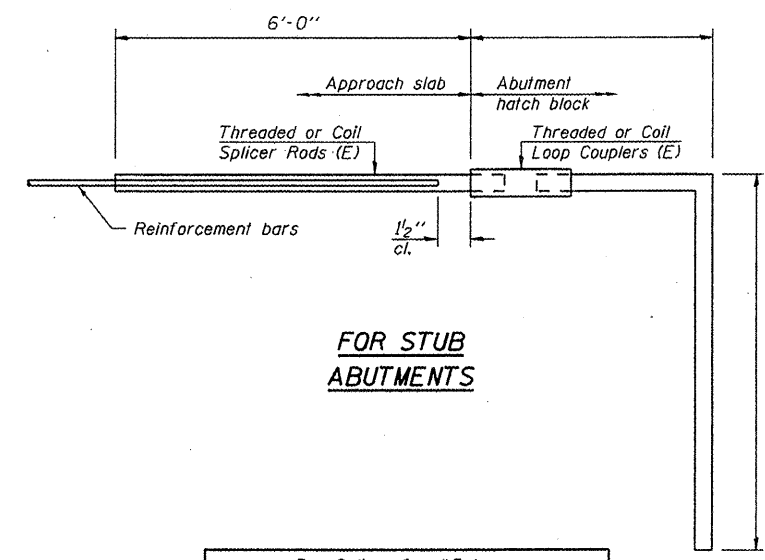
- ① Minimum Capacity = $1.25 \times f_y \times A_1$
(Tension in kips)
 - ② Minimum *Pull-out Strength = $0.66 \times f_y \times A_1$
(Tension in kips)
- Where f_y = Yield strength of lapped reinforcement bars in ksi.
 A_1 = Tensile stress area of lapped reinforcement bars.
 * = 28 day concrete

BAR SPLICER ASSEMBLIES			
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	7.9
#5	2'-0"	23.0	12.3
#6	2'-7"	33.1	17.4
#7	3'-5"	45.1	23.8
#8	4'-6"	58.9	31.3
#9	5'-9"	75.0	39.6
#10	7'-3"	95.0	50.3
#11	9'-0"	117.4	61.8



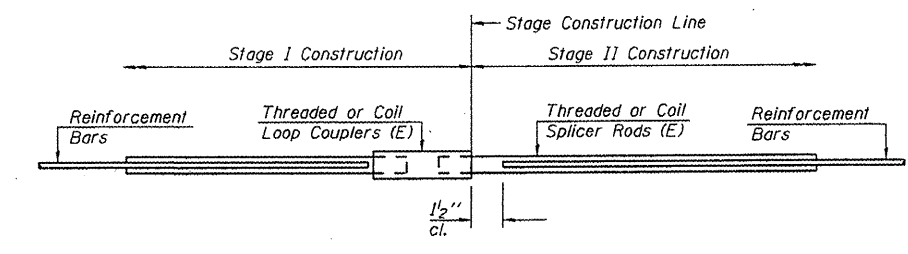
FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 12.3 kips - tension
No. Required =



FOR STUB ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 12.3 kips - tension
No. Required =



STANDARD

Bar Size	No. Assemblies Required	Location

CH 11 (FA 666) OVER BIG SLOUGH

BAR SPLICER ASSEMBLY DETAILS

REVISIONS	SECTION 99-00080-00-RP	CH 11 (FAS 666)	DRAWN BY DATE
1	DOUGLAS	SN 021-4548	R KING 01/08
2			CHECKED BY DATE
3			JMO 01/08
4			BOOK NUMBER
5			PROJECT NO.
6			5149
7			SHEET NO.
8			
9			
10			

HOMER L. CHASTAIN & ASSOCIATES, LLP
 CONSULTING ENGINEERS
 DECATUR CHICAGO (317) 422-8444 (773) 714-0060
 ROCKFORD (815) 499-0860

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	•	DOUGLAS	279	72
FEDERAL DISTRICT	ILLINOIS	PROJECT		

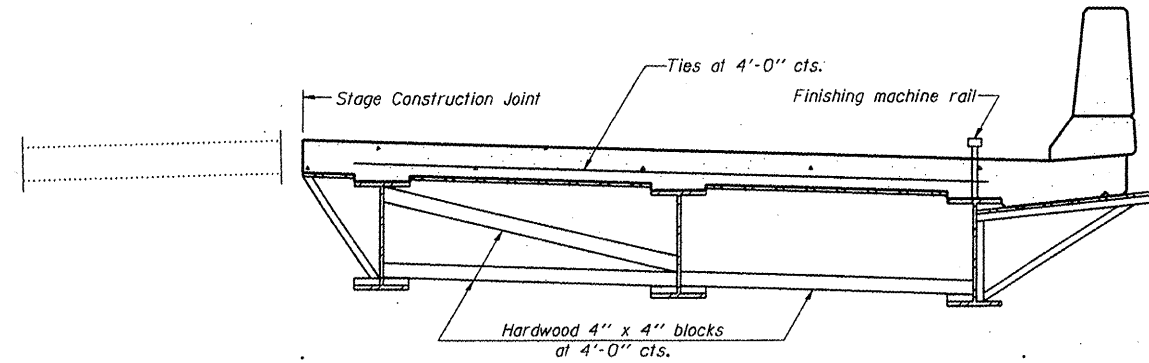
•99-00080-00-RP

When cantilever forming brackets are used, the work shall be done according to Article 503.06(b) of the Standard Specifications, except as modified below and in the details shown on this sheet.

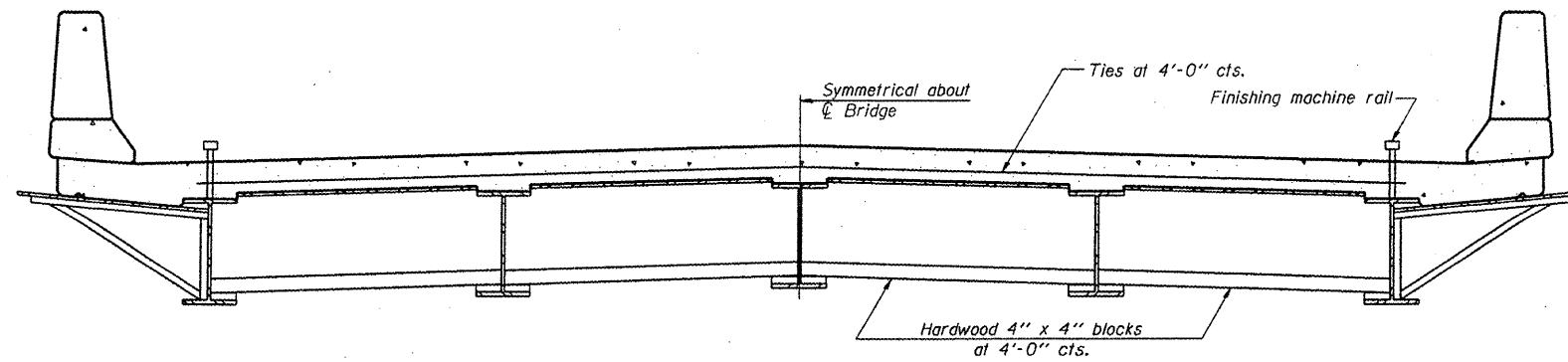
The finishing machine rails shall be placed on the top flange of the exterior beams.

The beams or girders, supporting cantilever forming brackets, shall be tied together at 4 foot intervals.

For Standard construction, or Stage Construction the Hardwood bracing materials shall be placed as shown between webs of beams in each bay.



**FORM BRACES FOR
STAGE CONSTRUCTION**



**FORM BRACES FOR
STANDARD CONSTRUCTION**

CH 11 (FA 666) OVER BIG SLOUGH

CANTILEVER FORMING BRACKETS

SECTION 99-00080-00-RP		CH 11 (FAS 666)		DRAWN BY DATE R KING 01/08
DOUGLAS		SN 021-4548		CHECKED BY DATE JMS 01/08
		COUNTY		BOOK NUMBER
		DECATUR CHICAGO (317) 421-8544 (773) 714-0060		PROJECT No. 5149
		ROCKFORD (815) 499-0060		SHEET No.
		184-98197		

NO.	DATE	INITIALS
1		
2		
3		
4		
5		
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DENNIS L. & ROSE E. PLANK
(1306400005- C)

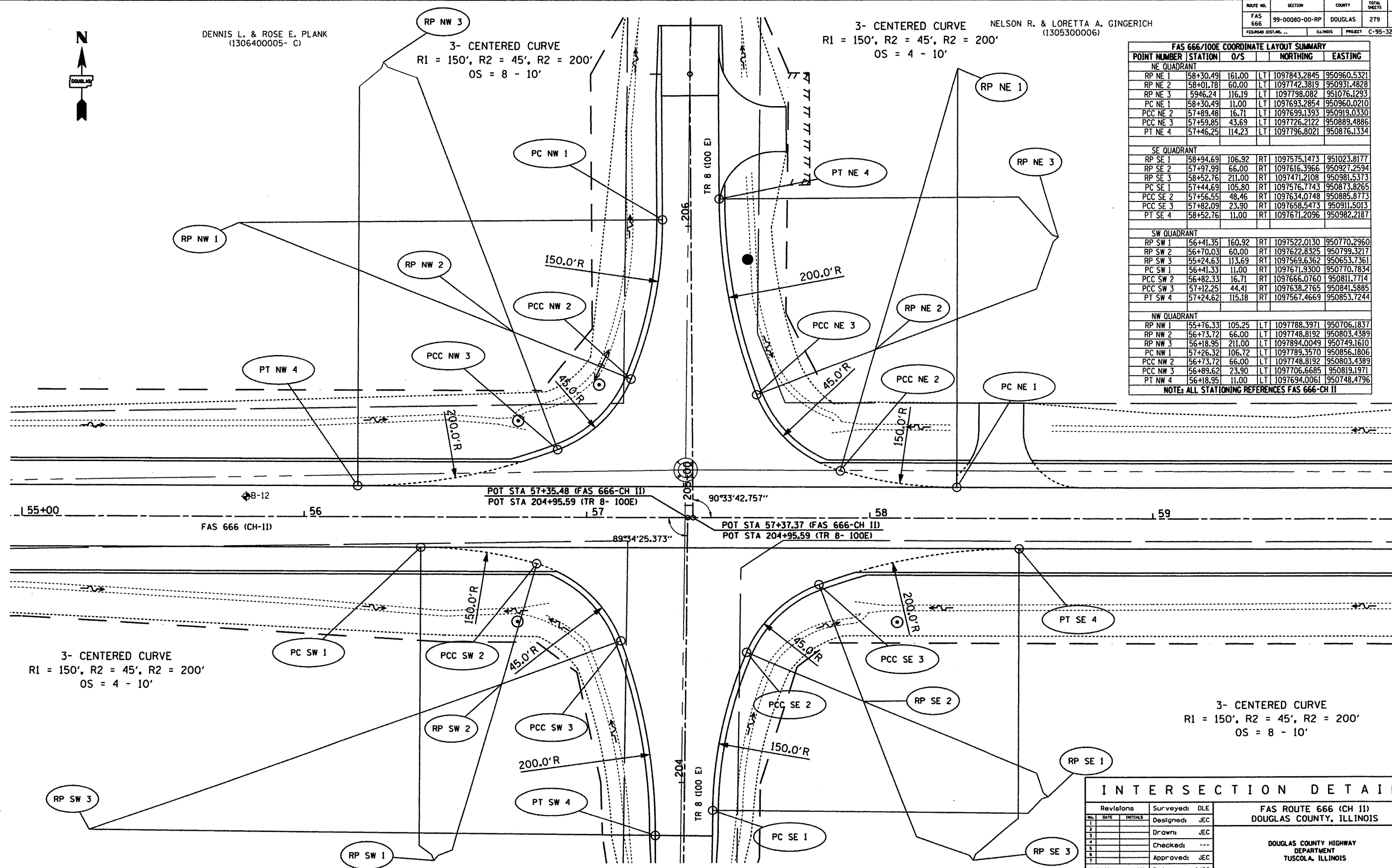
3- CENTERED CURVE
R1 = 150', R2 = 45', R2 = 200'
OS = 8 - 10'

3- CENTERED CURVE NELSON R. & LORETTA A. GINGERICH
R1 = 150', R2 = 45', R2 = 200'
OS = 4 - 10'

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	73
FEDERAL DIST. NO.	ILLINOIS	PROJECT	C-95-323-07	

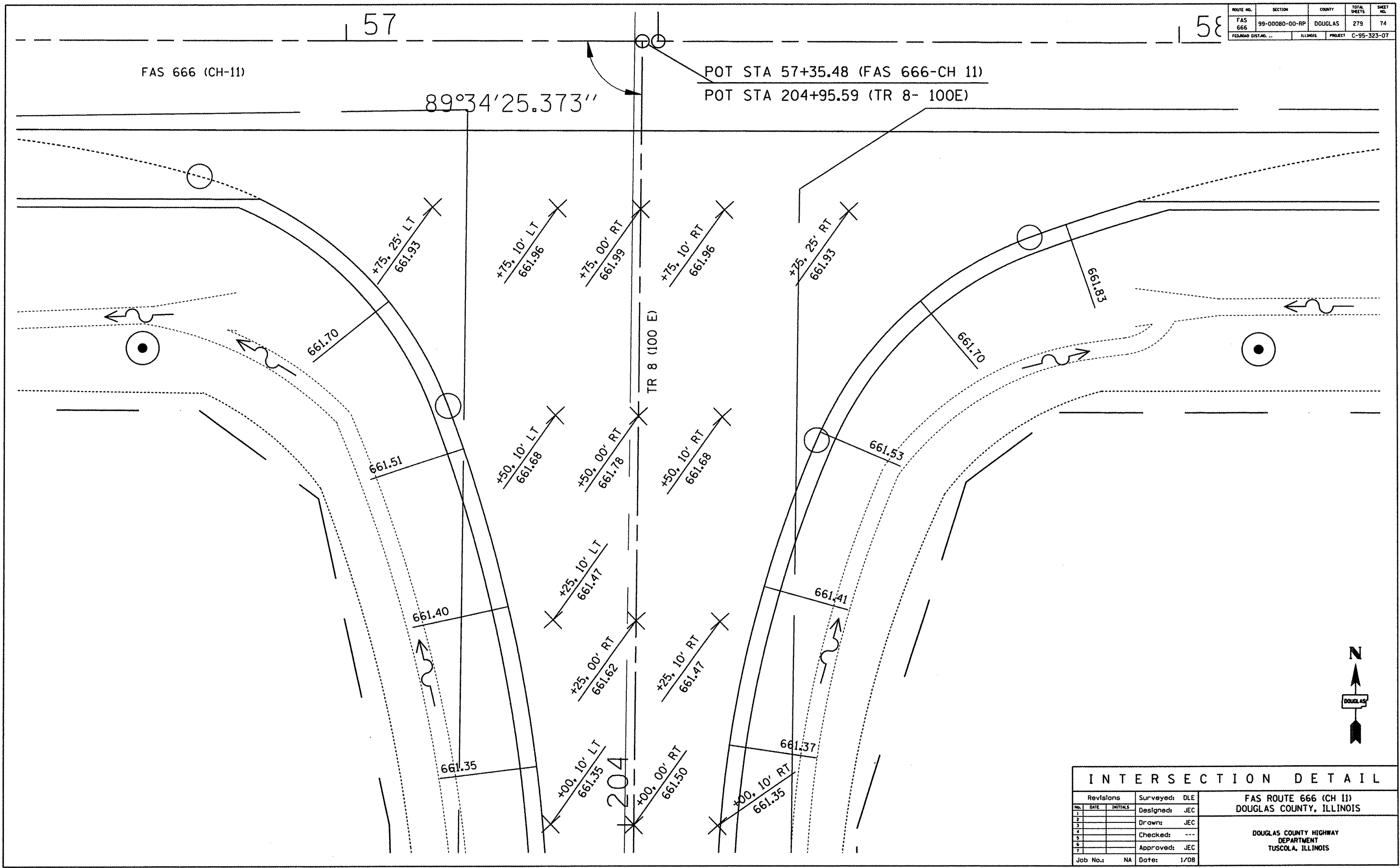
FAS 666/100E COORDINATE LAYOUT SUMMARY				
POINT NUMBER	STATION	O/S	NORTHING	EASTING
NE QUADRANT				
RP NE 1	58+30.49	161.00	LT 1097843.2845	950960.5321
RP NE 2	58+01.78	60.00	LT 1097742.3819	950931.4828
RP NE 3	5946.24	116.19	LT 1097798.082	951076.1293
PC NE 1	58+30.49	11.00	LT 1097693.2854	950960.0210
PCC NE 2	57+89.48	16.71	LT 1097699.1393	950919.0330
PCC NE 3	57+59.85	43.69	LT 1097726.2122	950889.4886
PT NE 4	57+46.25	114.23	LT 1097796.8021	950876.1334
SE QUADRANT				
RP SE 1	58+94.69	106.92	RT 1097575.1473	951023.8177
RP SE 2	57+97.99	66.00	RT 1097616.3966	950927.2594
RP SE 3	58+52.76	211.00	RT 1097471.2108	950981.5373
PC SE 1	57+44.69	105.80	RT 1097576.7743	950873.8265
PCC SE 2	57+56.55	48.46	RT 1097634.0748	950885.8773
PCC SE 3	57+82.09	23.90	RT 1097658.5473	950911.5013
PT SE 4	58+52.76	11.00	RT 1097671.2096	950982.2187
SW QUADRANT				
RP SW 1	56+41.35	160.92	RT 1097522.0130	950770.2960
RP SW 2	56+70.03	60.00	RT 1097622.8325	950799.3217
RP SW 3	55+24.63	113.69	RT 1097569.6362	950653.7361
PC SW 1	56+41.33	11.00	RT 1097671.9300	950770.7834
PCC SW 2	56+82.33	16.71	RT 1097666.0760	950811.7714
PCC SW 3	57+12.25	44.41	RT 1097638.2765	950841.5885
PT SW 4	57+24.62	115.18	RT 1097567.4669	950853.7244
NW QUADRANT				
RP NW 1	55+76.33	105.25	LT 1097788.3971	950706.1837
RP NW 2	56+73.72	66.00	LT 1097748.8192	950803.4389
RP NW 3	56+18.95	211.00	LT 1097894.0049	950749.1610
PC NW 1	57+26.32	106.72	LT 1097789.3570	950856.1806
PCC NW 2	56+73.72	66.00	LT 1097748.8192	950803.4389
PCC NW 3	56+89.62	23.90	LT 1097706.6685	950819.1971
PT NW 4	56+18.95	11.00	LT 1097694.0061	950748.4796

NOTE: ALL STATIONING REFERENCES FAS 666-CH II



INTERSECTION DETAIL			
Revisions	Surveyed: DLE	FAS ROUTE 666 (CH II)	
1	Designed: JEC	DOUGLAS COUNTY, ILLINOIS	
2	Drawn: JEC	DOUGLAS COUNTY HIGHWAY DEPARTMENT	
3	Checked: ---	TUSCOLA, ILLINOIS	
4	Approved: JEC		
5	Date: 1/08		
Job No.:	NA		

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-000B0-00-RP	DOUGLAS	279	74
FEDERAL DIST. NO.	ILLINOIS	PROJECT	C-95-323-07	



FAS 666 (CH-11)

POT STA 57+35.48 (FAS 666-CH 11)
 POT STA 204+95.59 (TR 8- 100E)

89°34'25.373''

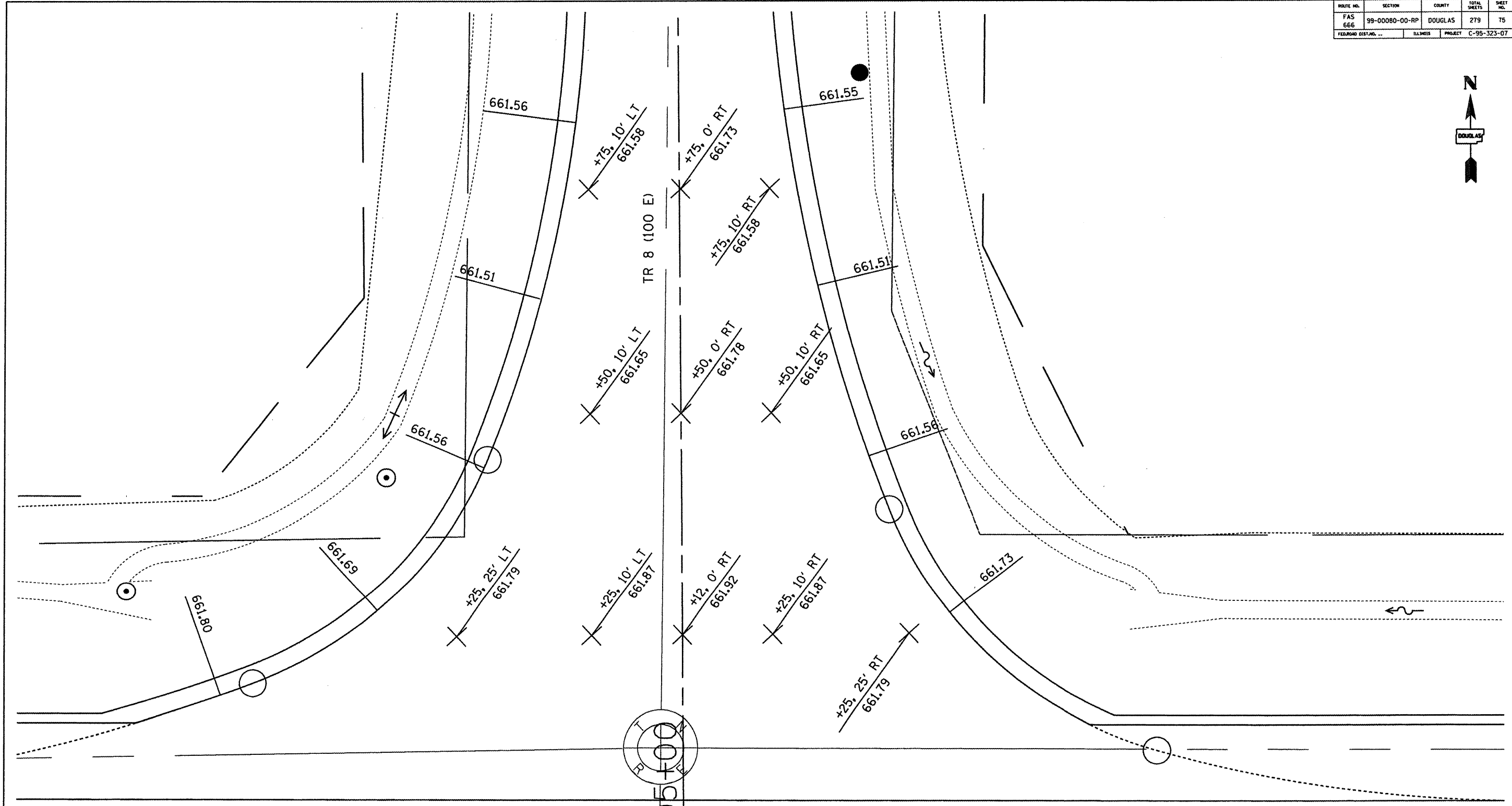
TR 8 (100 E)

204

INTERSECTION DETAIL

Revisions		Surveyed: DLE	FAS ROUTE 666 (CH 11) DOUGLAS COUNTY, ILLINOIS DOUGLAS COUNTY HIGHWAY DEPARTMENT TUSCOLA, ILLINOIS	
No.	DATE	INITIALS		Designed: JEC
1				Drawn: JEC
2				Checked: ---
3				Approved: JEC
4				
5				
6				
7				
Job No.:	NA	Date:	1/08	

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	75
FEDERAL DISTRICT ...		ILLINOIS	PROJECT C-95-323-07	



POT STA 57+37.37 (FAS 666-CH 11)
 POT STA 204+95.59 (TR 8- 100E)

90°33'42.757"

FAS 666 (CH-11)

57

205+00

Revisions			Surveyed: DLE	FAS ROUTE 666 (CH 11) DOUGLAS COUNTY, ILLINOIS	
1	DATE	INITIALS	Designed: JEC	DOUGLAS COUNTY HIGHWAY DEPARTMENT TUSCOLA, ILLINOIS	
2			Drawn: JEC		
3			Checked: ---		
4			Approved: JEC		
5					
6					
7					
Job No.:	NA	Date:	1/08		



LARRY E. MILLER AND VERDA MILLER
(1305400005)

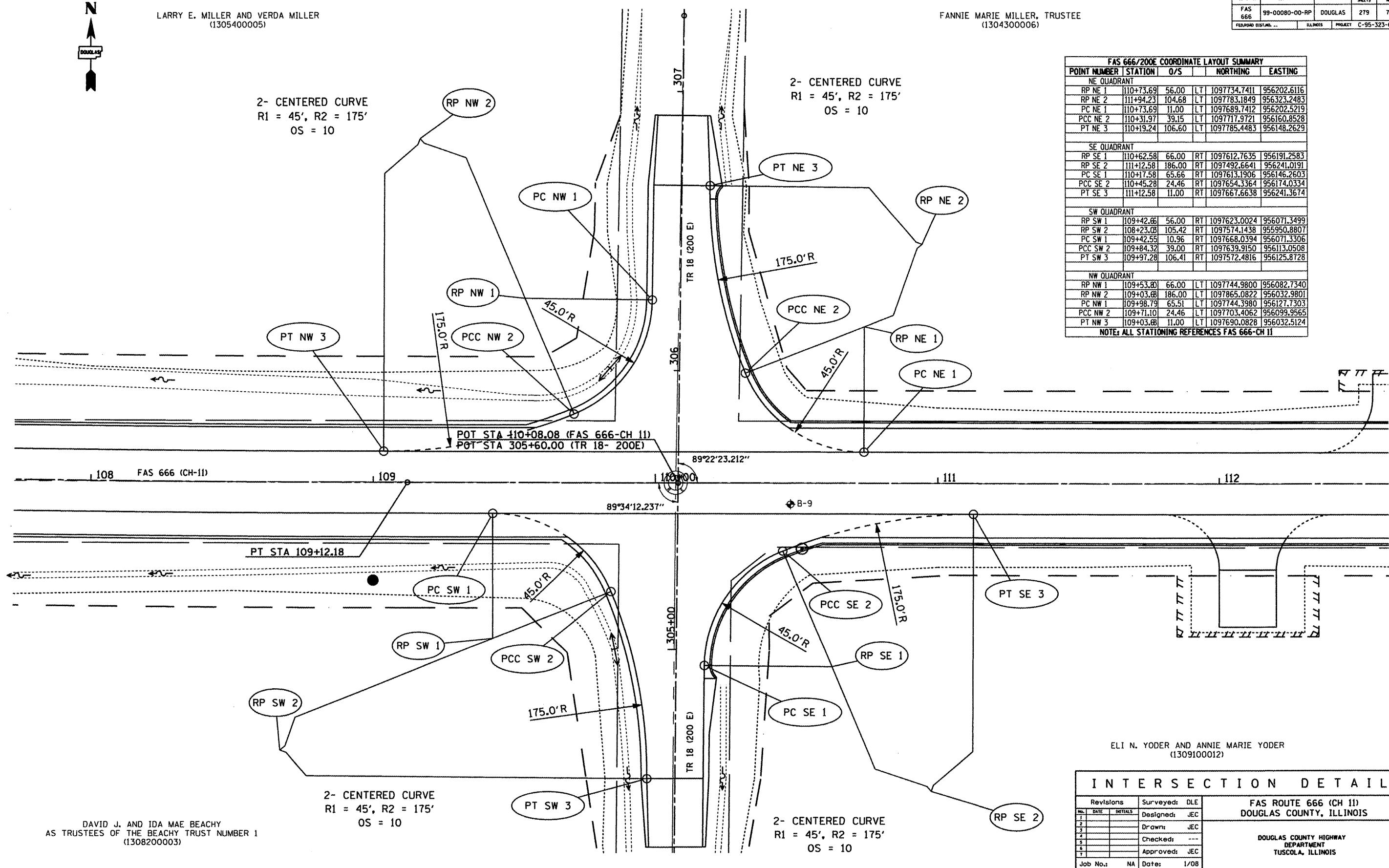
FANNIE MARIE MILLER, TRUSTEE
(1304300006)

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	76
FEDORAD DIST. ...		ILLINOIS	PROJECT C-95-323-07	

FAS 666/200E COORDINATE LAYOUT SUMMARY

POINT NUMBER	STATION	O/S		NORTHING	EASTING
NE QUADRANT					
RP NE 1	110+73.69	56.00	LT	1097734.7411	956202.6116
RP NE 2	111+94.23	104.68	LT	1097783.1849	956323.2483
PC NE 1	110+73.69	11.00	LT	1097689.7412	956202.5219
PCC NE 2	110+31.97	39.15	LT	1097717.9721	956160.8528
PT NE 3	110+19.24	106.60	LT	1097785.4483	956148.2629
SE QUADRANT					
RP SE 1	110+62.58	66.00	RT	1097612.7635	956191.2583
RP SE 2	111+12.58	186.00	RT	1097492.6641	956241.0191
PC SE 1	110+17.58	65.66	RT	1097613.1906	956146.2603
PCC SE 2	110+45.28	24.46	RT	1097654.3364	956174.0334
PT SE 3	111+12.58	11.00	RT	1097667.6638	956241.3674
SW QUADRANT					
RP SW 1	109+42.66	56.00	RT	1097623.0024	956071.3499
RP SW 2	108+23.08	105.42	RT	1097574.1438	955950.8807
PC SW 1	109+42.55	10.96	RT	1097668.0394	956071.3306
PCC SW 2	109+84.32	39.00	RT	1097639.9150	956113.0508
PT SW 3	109+97.28	106.41	RT	1097572.4816	956125.8728
NW QUADRANT					
RP NW 1	109+53.80	66.00	LT	1097744.9800	956082.7340
RP NW 2	109+03.68	186.00	LT	1097865.0822	956032.9801
PC NW 1	109+98.79	65.51	LT	1097744.3980	956127.7303
PCC NW 2	109+71.10	24.46	LT	1097703.4062	956099.9565
PT NW 3	109+03.68	11.00	LT	1097690.0828	956032.5124

NOTE: ALL STATIONING REFERENCES FAS 666-CH 11



DAVID J. AND IDA MAE BEACHY
AS TRUSTEES OF THE BEACHY TRUST NUMBER 1
(1308200003)

ELI N. YODER AND ANNIE MARIE YODER
(1309100012)

INTERSECTION DETAIL

Revisions	Surveyed:	DLE	FAS ROUTE 666 (CH 11) DOUGLAS COUNTY, ILLINOIS	
1	DATE	INITIALS		Designed: JEC
2				Drawn: JEC
3				Checked: ---
4				Approved: JEC
5				
6				

Job No.: NA Date: 1/08

DOUGLAS COUNTY HIGHWAY DEPARTMENT
TUSCOLA, ILLINOIS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	77
FED. ROAD DIST. NO. ...	ILLINOIS	PROJECT	C-95-323-07	

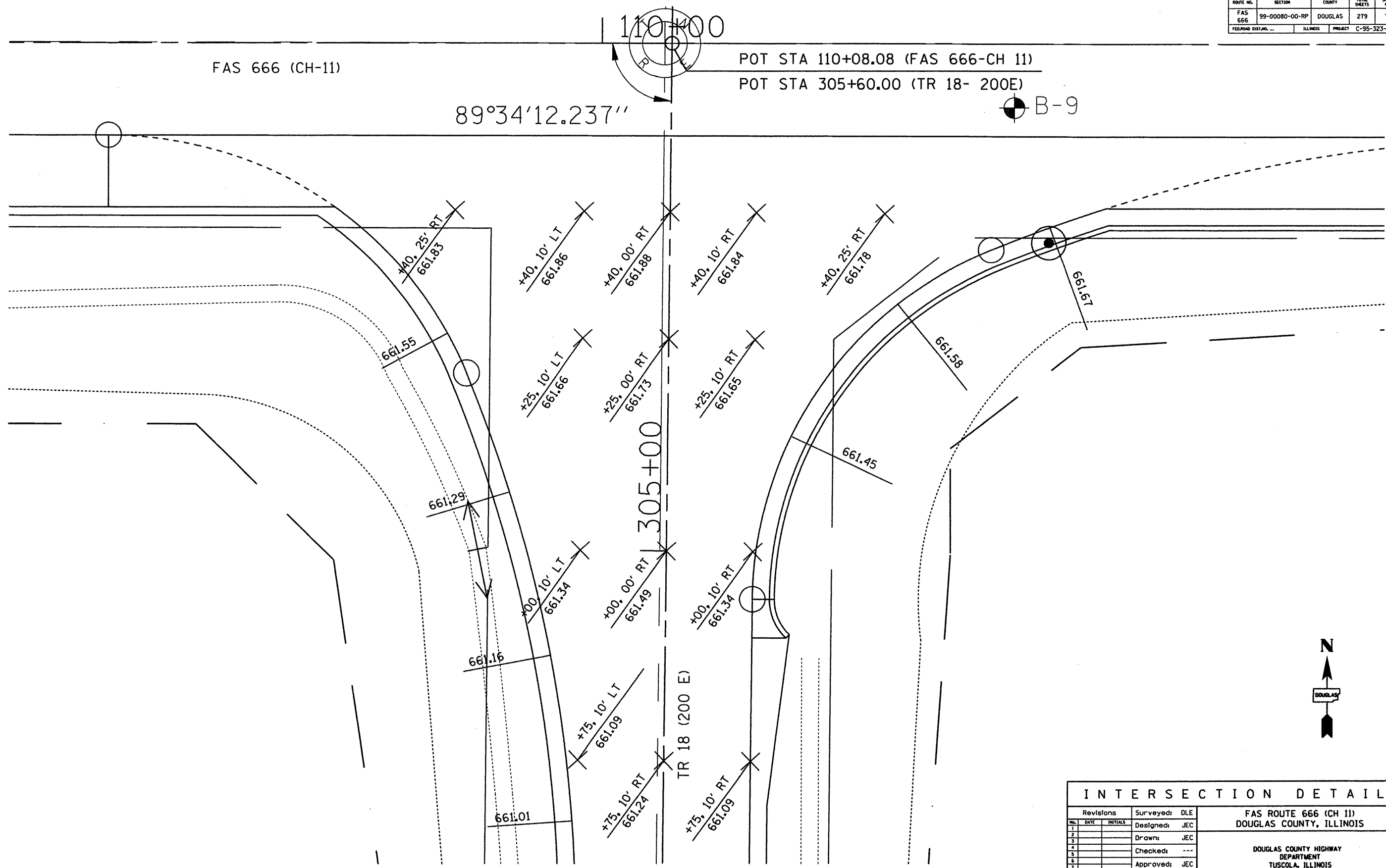
FAS 666 (CH-11)

POT STA 110+08.08 (FAS 666-CH 11)

POT STA 305+60.00 (TR 18- 200E)

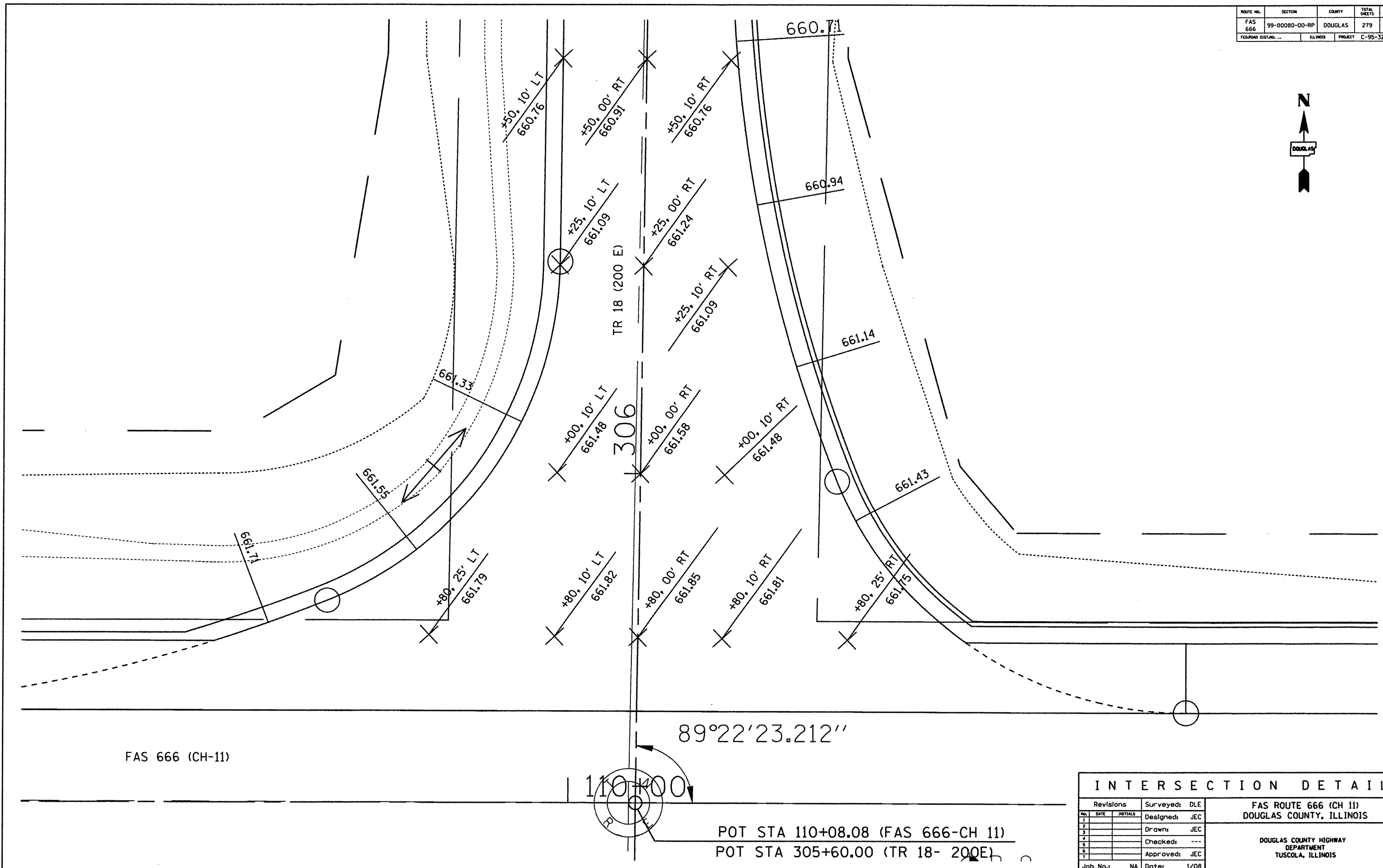
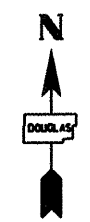
89°34'12.237"

B-9



INTERSECTION DETAIL			
Revisions	Surveyed: DLE	FAS ROUTE 666 (CH 11)	
1	Designed: JEC	DOUGLAS COUNTY, ILLINOIS	
2	Drawn: JEC	DOUGLAS COUNTY HIGHWAY	
3	Checked: ---	DEPARTMENT	
4	Approved: JEC	TUSCOLA, ILLINOIS	
5			
6			
7			
Job No.:	NA	Date:	1/08

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	78
FED. ROAD DIST. NO. ...	ILLINOIS	PROJECT	C-95-523-07	



FAS 666 (CH-11)

110+00

89°22'23.212"

POT STA 110+08.08 (FAS 666-CH 11)
 POT STA 305+60.00 (TR 18- 200E)

INTERSECTION DETAIL

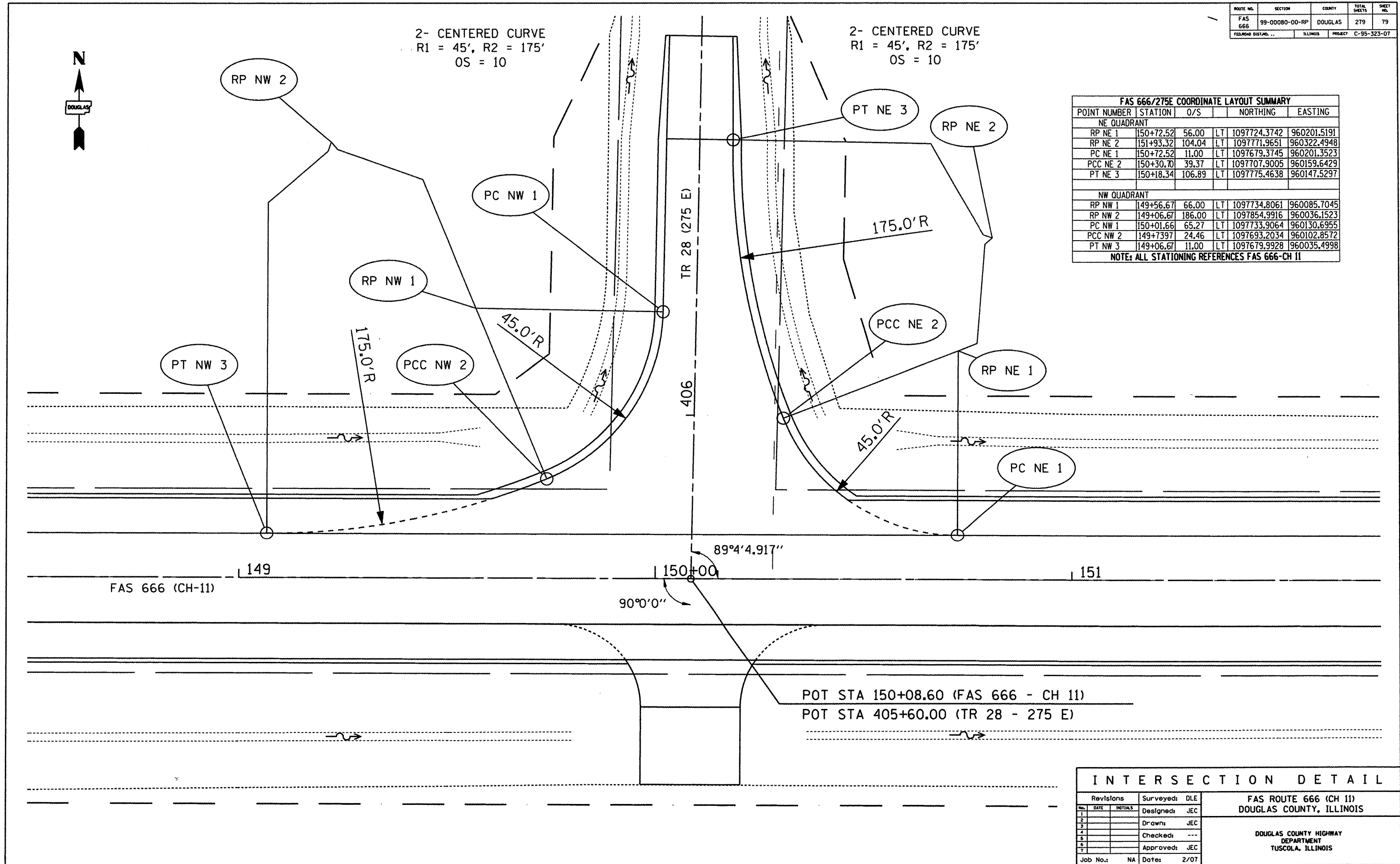
Revisions		Surveys: DLE	FAS ROUTE 666 (CH 11) DOUGLAS COUNTY, ILLINOIS DOUGLAS COUNTY HIGHWAY DEPARTMENT TUSCOLA, ILLINOIS	
No.	DATE	INITIALS		Designed: JEC
1				Drawn: JEC
2				Checked: ---
3				Approved: JEC
4			Job No.: NA	
5			Date: 1/08	

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	79
FED. ROAD DIST. NO. ...		ILLINOIS	PROJECT C-95-323-07	

FAS 666/275E COORDINATE LAYOUT SUMMARY

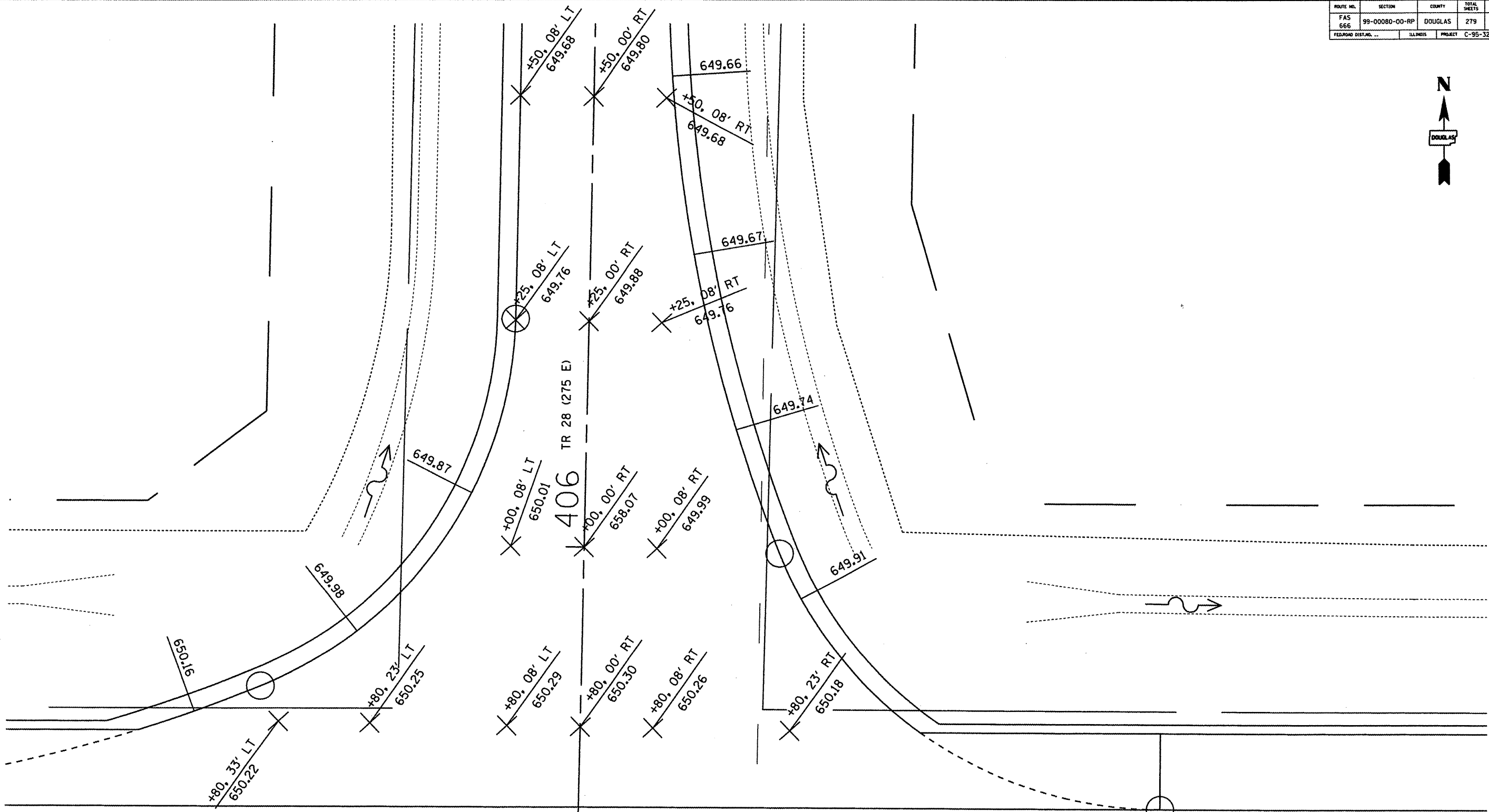
POINT NUMBER	STATION	O/S		NORTHING	EASTING
NE QUADRANT					
RP NE 1	150+72.52	56.00	LT	1097724.3742	960201.5191
RP NE 2	151+93.32	104.04	LT	1097771.9651	960322.4948
PC NE 1	150+72.52	11.00	LT	1097679.3745	960201.3523
PCC NE 2	150+30.70	39.37	LT	1097707.9005	960159.6429
PT NE 3	150+18.34	106.89	LT	1097775.4638	960147.5297
NW QUADRANT					
RP NW 1	149+56.67	66.00	LT	1097734.8061	960085.7045
RP NW 2	149+06.67	186.00	LT	1097854.9916	960036.1523
PC NW 1	150+01.66	65.27	LT	1097733.9064	960130.6955
PCC NW 2	149+7397	24.46	LT	1097693.2034	960102.8572
PT NW 3	149+06.67	11.00	LT	1097679.9928	960035.4998

NOTE: ALL STATIONING REFERENCES FAS 666-CH 11



INTERSECTION DETAIL				
Revisions	Surveyed	DLE	FAS ROUTE 666 (CH 11) DOUGLAS COUNTY, ILLINOIS DOUGLAS COUNTY HIGHWAY DEPARTMENT TUSCOLA, ILLINOIS	
No. DATE INITIALS	Designed	JEC		
	Drawn	JEC		
	Checked	---		
	Approved	JEC		
Job No.:	NA	Date:		2/07

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	80
FEDROAD DIST. NO. ...	ILLINOIS	PROJECT	C-95-323-07	



POT STA 150+08.60 (FAS 666 - CH 11)
 POT STA 405+60.00 (TR 28 - 275 E)

89°4'4.917"

FAS 666 (CH-11)

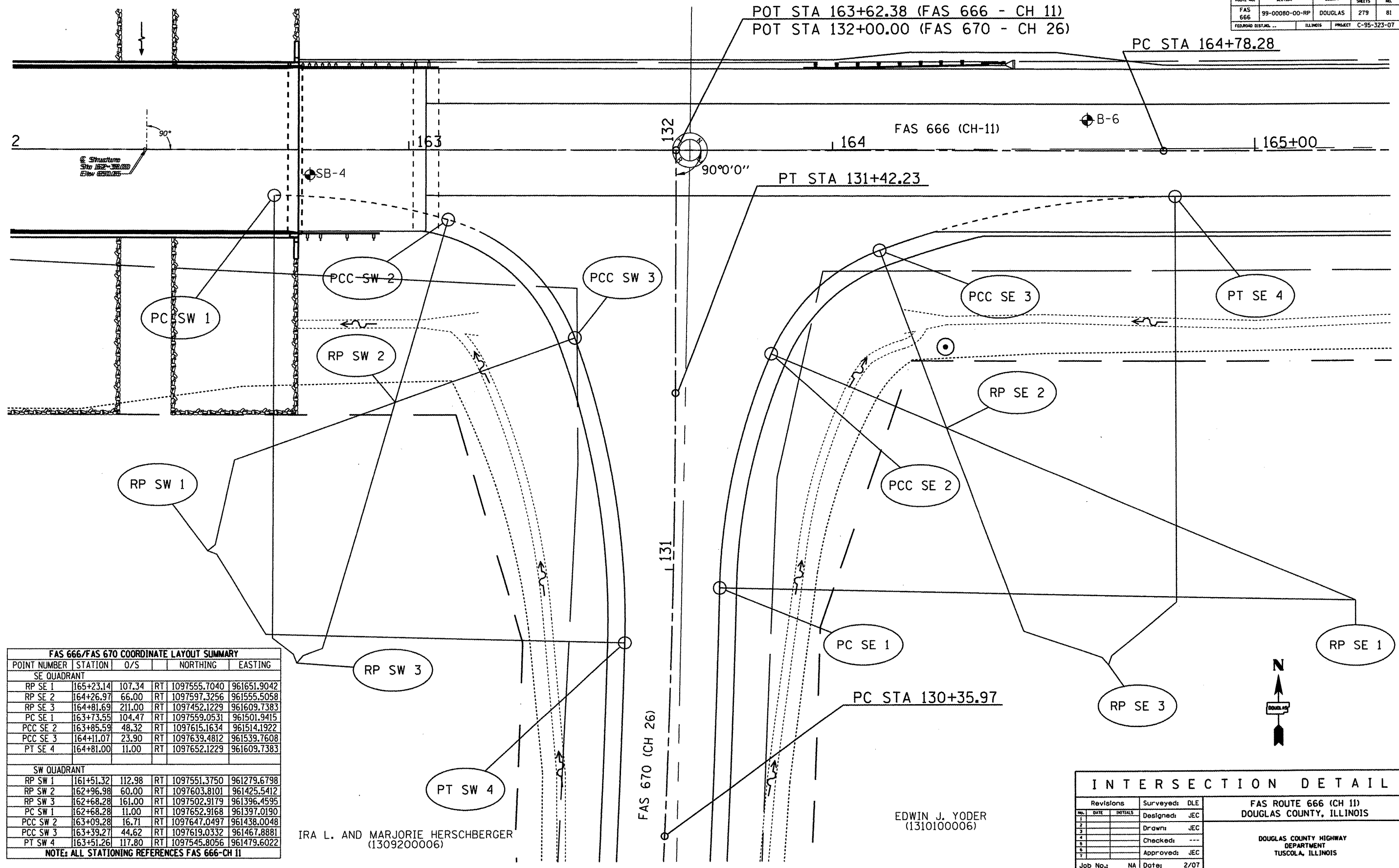
150+00

INTERSECTION DETAIL

Revisions		Surveyed: DLE
No.	DATE	INITIALS
1		Designed: JEC
2		Drawn: JEC
3		Checked: ---
4		Approved: JEC
5		
6		
7		
Job No.:	NA	Date: 1/08

FAS ROUTE 666 (CH 11)
 DOUGLAS COUNTY, ILLINOIS
 DOUGLAS COUNTY HIGHWAY
 DEPARTMENT
 TUSCOLA, ILLINOIS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	81
FEDERAL DIST. NO.		ILLINOIS	PROJECT C-95-323-07	



FAS 666/FAS 670 COORDINATE LAYOUT SUMMARY

POINT NUMBER	STATION	O/S		NORTHING	EASTING
SE QUADRANT					
RP SE 1	165+23.14	107.34	RT	1097555.7040	961651.9042
RP SE 2	164+26.97	66.00	RT	1097597.3256	961555.5058
RP SE 3	164+81.69	211.00	RT	1097452.1229	961609.7383
PC SE 1	163+73.55	104.47	RT	1097559.0531	961501.9415
PCC SE 2	163+85.59	48.32	RT	1097615.1634	961514.1922
PCC SE 3	164+11.07	23.90	RT	1097639.4812	961539.7608
PT SE 4	164+81.00	11.00	RT	1097652.1229	961609.7383
SW QUADRANT					
RP SW 1	161+51.32	112.98	RT	1097551.3750	961279.6798
RP SW 2	162+96.98	60.00	RT	1097603.8101	961425.5412
RP SW 3	162+68.28	161.00	RT	1097502.9179	961396.4595
PC SW 1	162+68.28	11.00	RT	1097652.9168	961397.0190
PCC SW 2	163+09.28	16.71	RT	1097647.0497	961438.0048
PCC SW 3	163+39.27	44.62	RT	1097619.0332	961467.8881
PT SW 4	163+51.26	117.80	RT	1097545.8056	961479.6022

NOTE: ALL STATIONING REFERENCES FAS 666-CH II

IRA L. AND MARJORIE HERSCHBERGER
(1309200006)

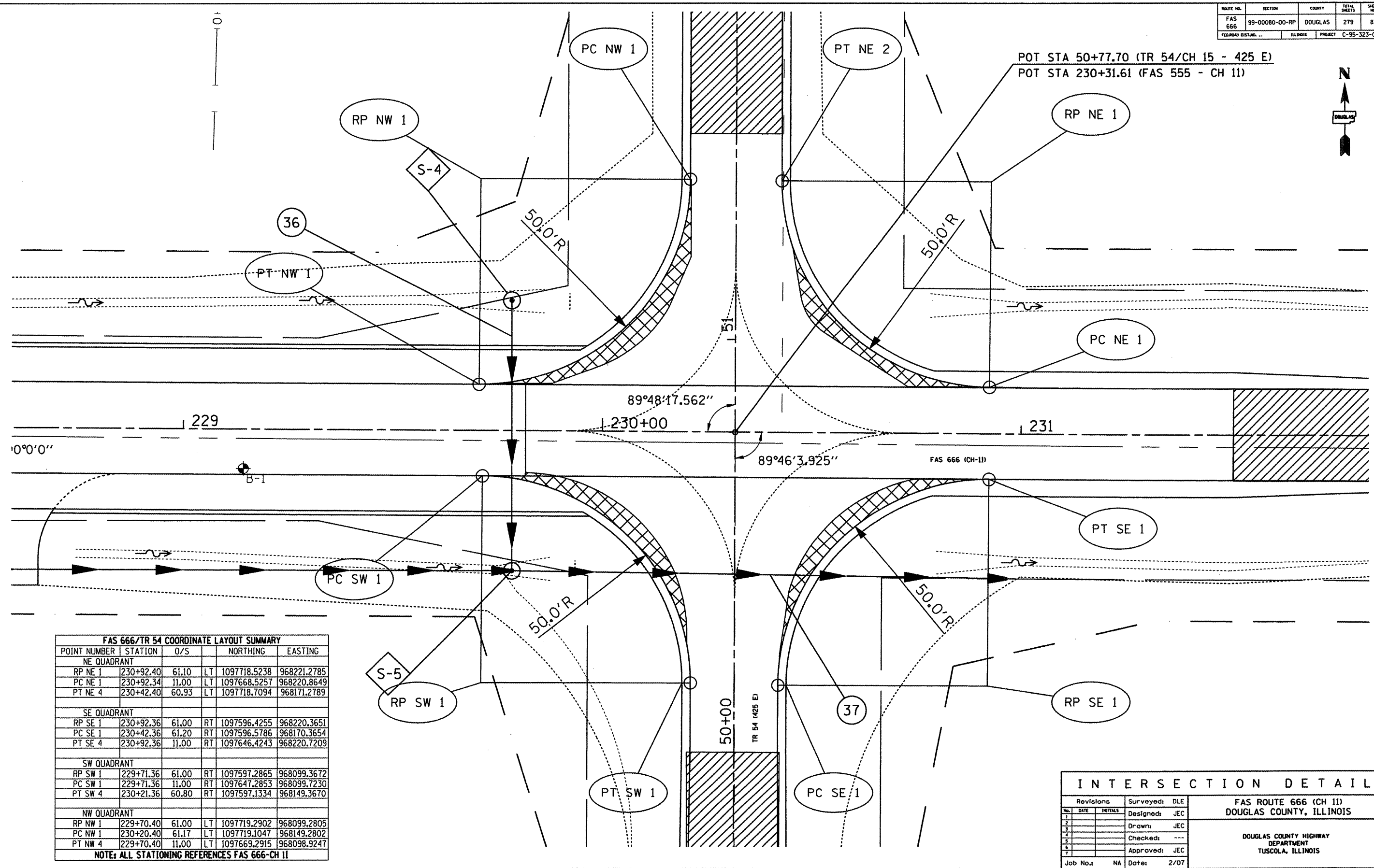
EDWIN J. YODER
(1310100006)

INTERSECTION DETAIL

Revisions		Surveyed: DLE	FAS ROUTE 666 (CH 11) DOUGLAS COUNTY, ILLINOIS DOUGLAS COUNTY HIGHWAY DEPARTMENT TUSCOLA, ILLINOIS
1	DATE	INITIALS	
2			
3			
4			
5			Checked: --- Approved: JEC
6			
7			
Job No.:	NA	Date:	2/07

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	B3
FEDERAL DIST. NO.		ILLINOIS	PROJECT C-95-323-07	

POT STA 50+77.70 (TR 54/CH 15 - 425 E)
 POT STA 230+31.61 (FAS 555 - CH 11)

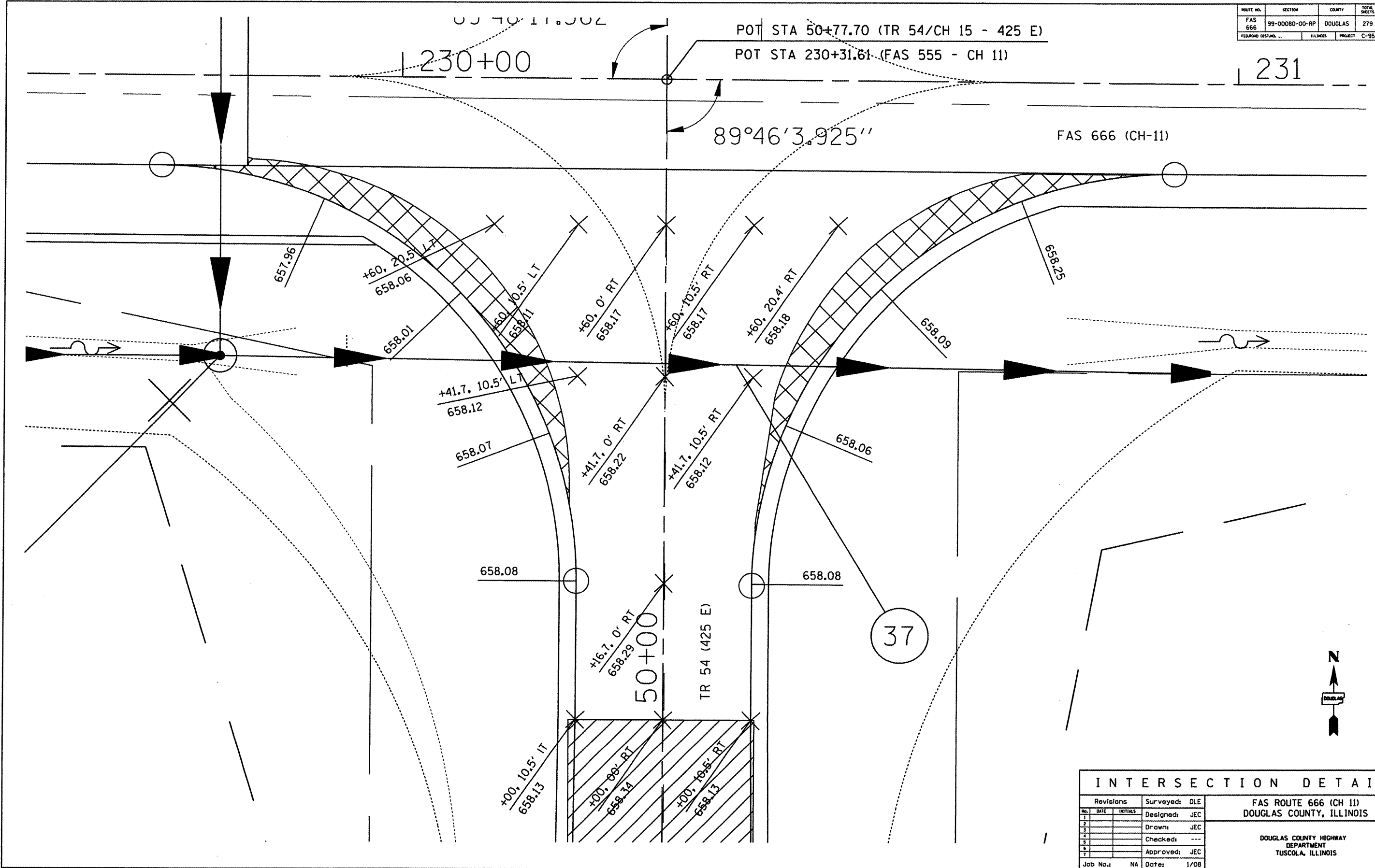


FAS 666/TR 54 COORDINATE LAYOUT SUMMARY				
POINT NUMBER	STATION	O/S	NORTHING	EASTING
NE QUADRANT				
RP NE 1	230+92.40	61.10	LT 1097718.5238	968221.2785
PC NE 1	230+92.34	11.00	LT 1097668.5257	968220.8649
PT NE 4	230+42.40	60.93	LT 1097718.7094	968171.2789
SE QUADRANT				
RP SE 1	230+92.36	61.00	RT 1097596.4255	968220.3651
PC SE 1	230+42.36	61.20	RT 1097596.5786	968170.3654
PT SE 4	230+92.36	11.00	RT 1097646.4243	968220.7209
SW QUADRANT				
RP SW 1	229+71.36	61.00	RT 1097597.2865	968099.3672
PC SW 1	229+71.36	11.00	RT 1097647.2853	968099.7230
PT SW 4	230+21.36	60.80	RT 1097597.1334	968149.3670
NW QUADRANT				
RP NW 1	229+70.40	61.00	LT 1097719.2902	968099.2805
PC NW 1	230+20.40	61.17	LT 1097719.1047	968149.2802
PT NW 4	229+70.40	11.00	LT 1097669.2915	968098.9247

NOTE: ALL STATIONING REFERENCES FAS 666-CH 11

INTERSECTION DETAIL			
Revisions		Surveyed: DLE	FAS ROUTE 666 (CH 11) DOUGLAS COUNTY, ILLINOIS DOUGLAS COUNTY HIGHWAY DEPARTMENT TUSCOLA, ILLINOIS
No.	DATE	Designed: JEC	
1		Drawn: JEC	
2		Checked: ---	
3		Approved: JEC	
4			
5			
Job No.: NA		Date: 2/07	

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	84
FEDERAL DIST. NO.	ILLINOIS	PROJECT	C-95-523-07	



POT STA 50+77.70 (TR 54/CH 15 - 425 E)
 POT STA 230+31.61 (FAS 555 - CH 11)

89°46'3.925"

FAS 666 (CH-11)

50+00

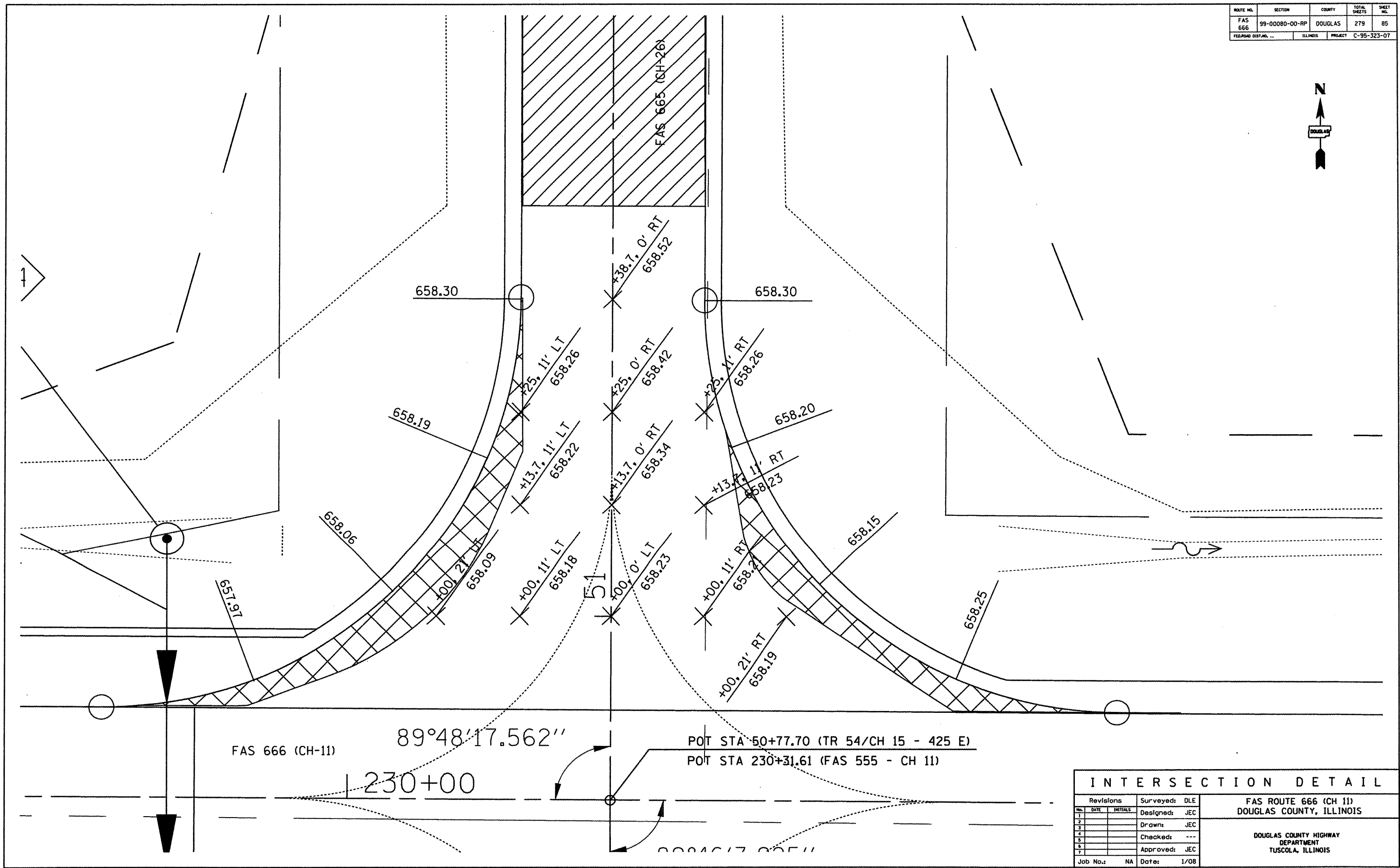
TR 54 (425 E)

37

INTERSECTION DETAIL

Revisions			Surveyed: DLE	FAS ROUTE 666 (CH 11) DOUGLAS COUNTY, ILLINOIS DOUGLAS COUNTY HIGHWAY DEPARTMENT TUSCOLA, ILLINOIS
No.	DATE	INITIALS	Designed: JEC	
1			Drawn: JEC	
2			Checked: ---	
3			Approved: JEC	
4				
5				
Job No.: NA			Date: 1/08	

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	85
FED. ROAD DIST. NO. ...	ILLINOIS	PROJECT	C-95-323-07	



FAS 666 (CH-11) $89^{\circ}48'17.562''$ POT STA 50+77.70 (TR 54/CH 15 - 425 E)
 230+00 POT STA 230+31.61 (FAS 555 - CH 11)

Revisions			Surveyed: DLE	INTERSECTION DETAIL FAS ROUTE 666 (CH 11) DOUGLAS COUNTY, ILLINOIS DOUGLAS COUNTY HIGHWAY DEPARTMENT TUSCOLA, ILLINOIS
1	DATE	INITIALS	Designed: JEC	
2			Drawn: JEC	
3			Checked: ---	
4			Approved: JEC	
5				
6				
7				
Job No.:	NA	Date:	1/08	



DENNIS L. & ROSE E. PLANK
(1306400005- C)

TROY & LISA MAST
(1305300006)

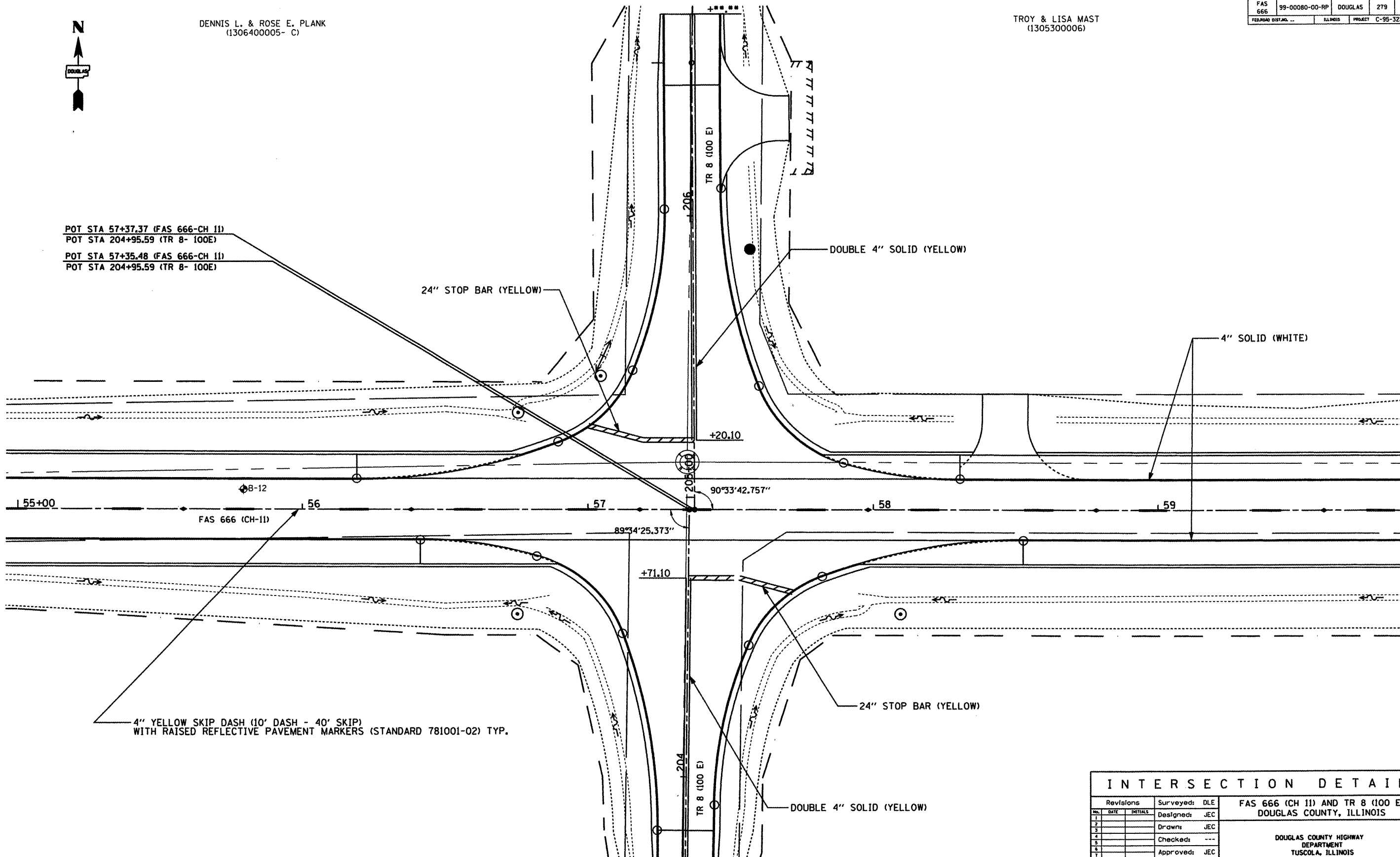
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	86
FEDERAL DIST. NO.	ILLINOIS	PROJECT	C-95-323-07	

POT STA 57+37.37 (FAS 666-CH 11)
POT STA 204+95.59 (TR 8- 100E)
POT STA 57+35.48 (FAS 666-CH 11)
POT STA 204+95.59 (TR 8- 100E)

24" STOP BAR (YELLOW)

DOUBLE 4" SOLID (YELLOW)

4" SOLID (WHITE)



4" YELLOW SKIP DASH (10' DASH - 40' SKIP)
WITH RAISED REFLECTIVE PAVEMENT MARKERS (STANDARD 781001-02) TYP.

INTERSECTION DETAIL

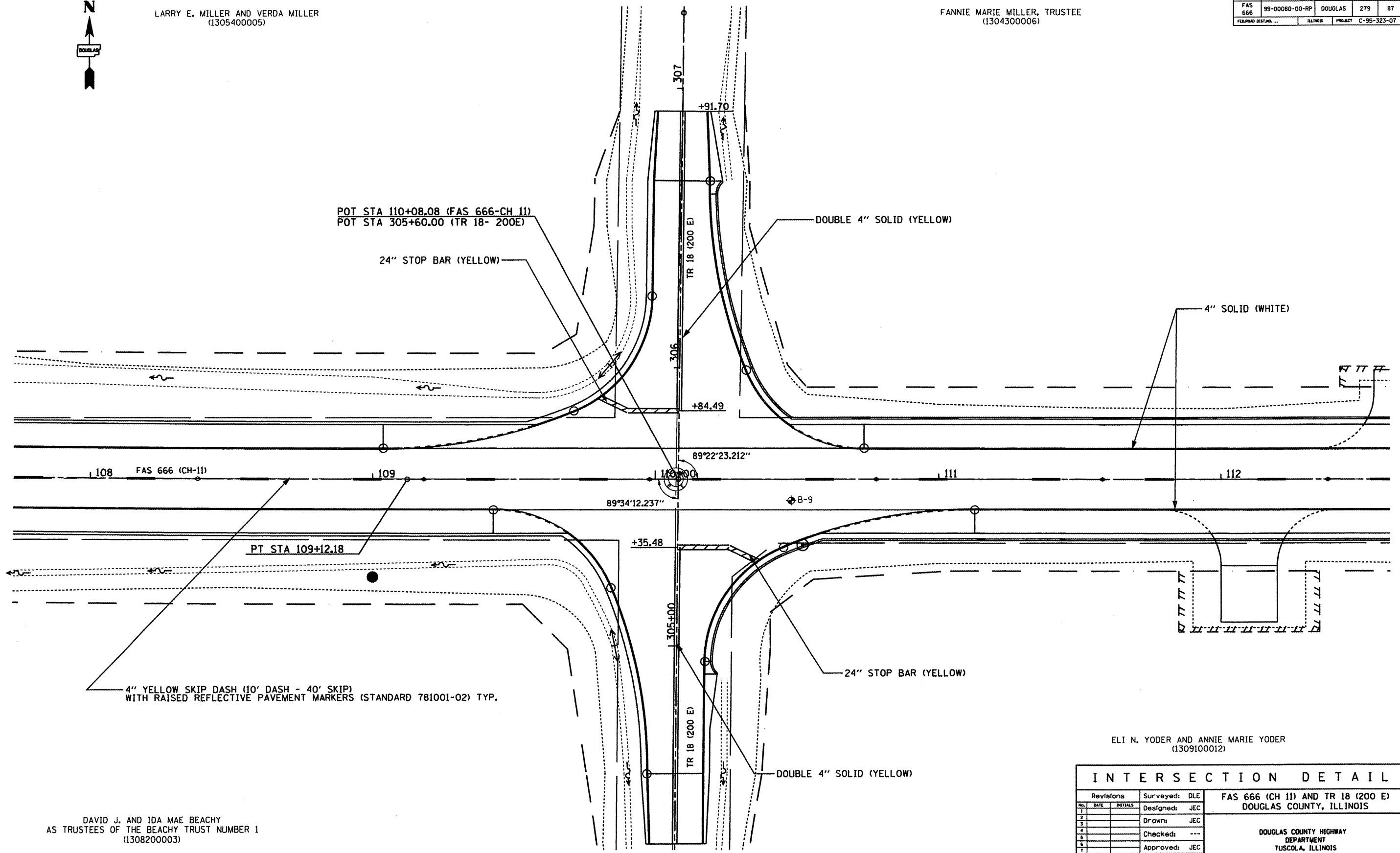
Revisions	Surveyed: DLE	FAS 666 (CH 11) AND TR 8 (100 E) DOUGLAS COUNTY, ILLINOIS
1	Designed: JEC	
2	Drawn: JEC	
3	Checked: ---	
4	Approved: JEC	
5		
6		
Job No.: NA	Date: 1/08	DOUGLAS COUNTY HIGHWAY DEPARTMENT TUSCOLA, ILLINOIS



LARRY E. MILLER AND VERDA MILLER
(1305400005)

FANNIE MARIE MILLER, TRUSTEE
(1304300006)

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	87
FED. ROAD DIST. NO. ...		ILLINOIS	PROJECT C-95-323-07	

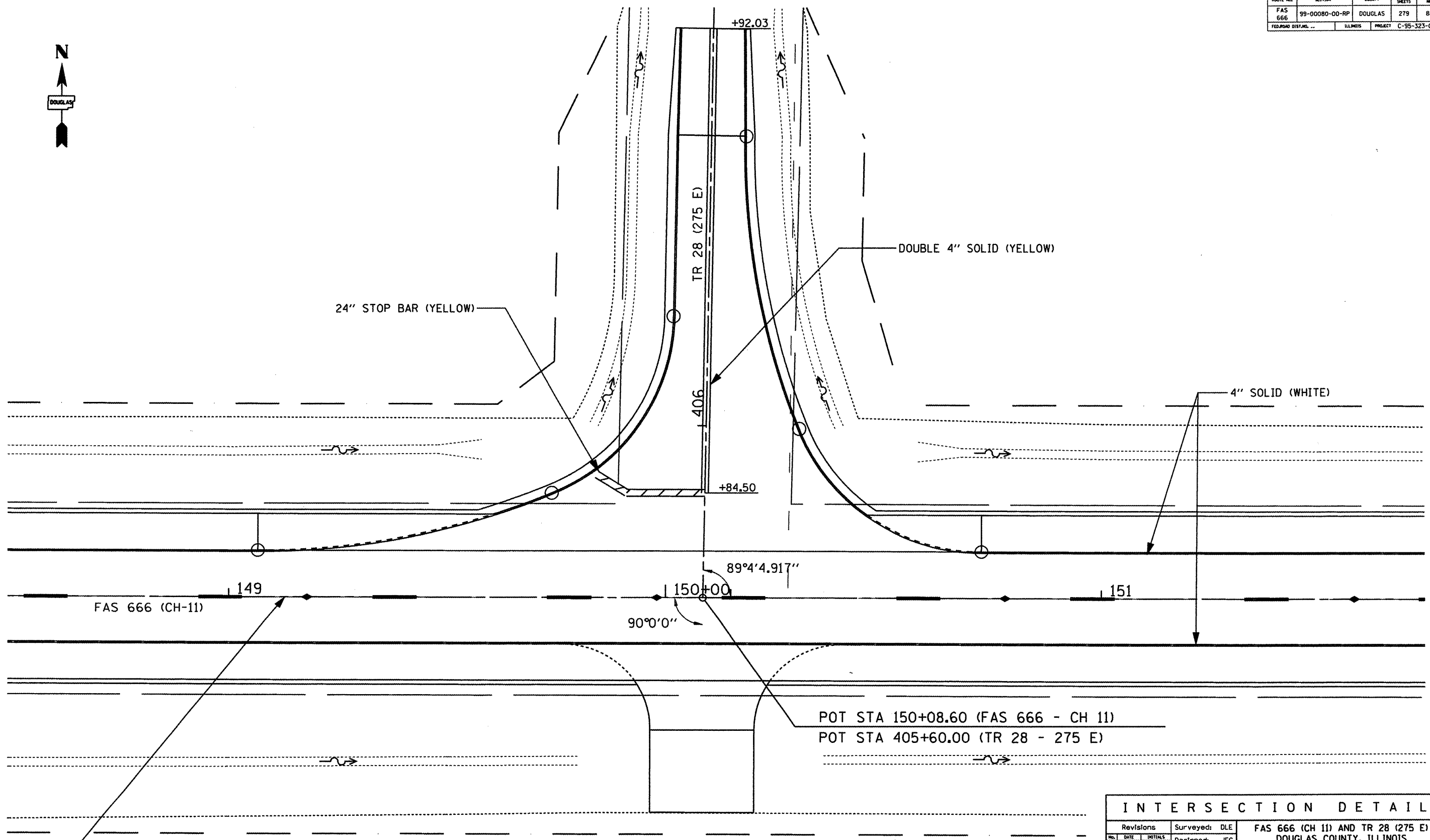


DAVID J. AND IDA MAE BEACHY
AS TRUSTEES OF THE BEACHY TRUST NUMBER 1
(1308200003)

ELI N. YODER AND ANNIE MARIE YODER
(1309100012)

Revisions			Surveyed:	DLE	FAS 666 (CH 11) AND TR 18 (200 E) DOUGLAS COUNTY, ILLINOIS
No.	DATE	INITIALS	Designed:	JEC	
1			Drawn:	JEC	DOUGLAS COUNTY HIGHWAY DEPARTMENT TUSCOLA, ILLINOIS
2			Checked:	---	
3			Approved:	JEC	
4					
5					
Job No.: NA			Date:	1/08	

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	88
FEDERAL DISTRICT	ILLINOIS	PROJECT	C-95-323-07	

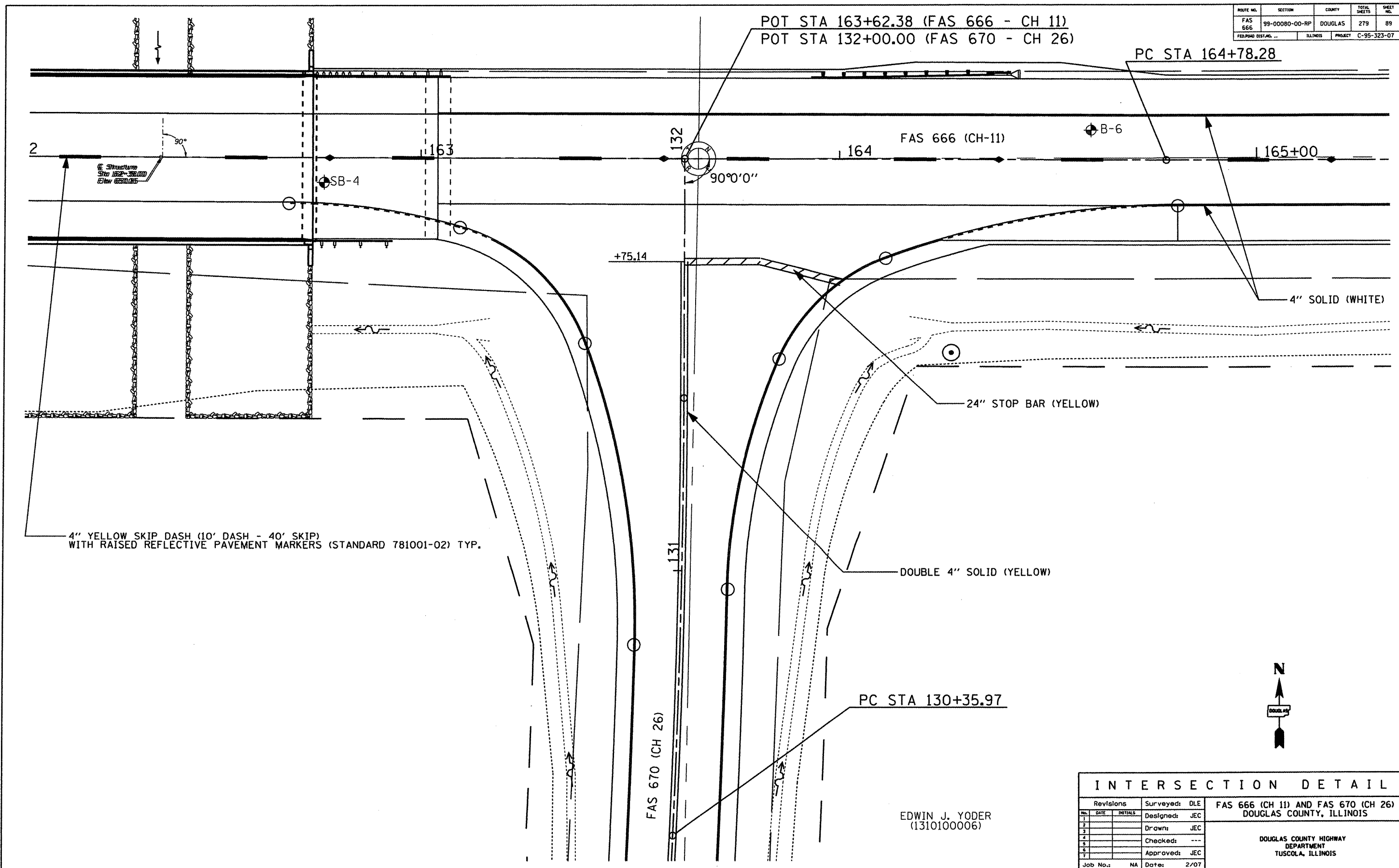


4" YELLOW SKIP DASH (10' DASH - 40' SKIP)
WITH RAISED REFLECTIVE PAVEMENT MARKERS (STANDARD 781001-02) TYP.

POT STA 150+08.60 (FAS 666 - CH 11)
POT STA 405+60.00 (TR 28 - 275 E)

INTERSECTION DETAIL			
Revisions		Surveyed: DLE	FAS 666 (CH 11) AND TR 28 (275 E) DOUGLAS COUNTY, ILLINOIS
No.	DATE	INITIALS	
1		Designed: JEC	
2		Drawn: JEC	
3		Checked: ---	
4		Approved: JEC	
5			
Job No.:	NA	Date:	2/07

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	89
FEDERAL DIST. NO. ...		ILLINOIS	PROJECT C-95-323-07	



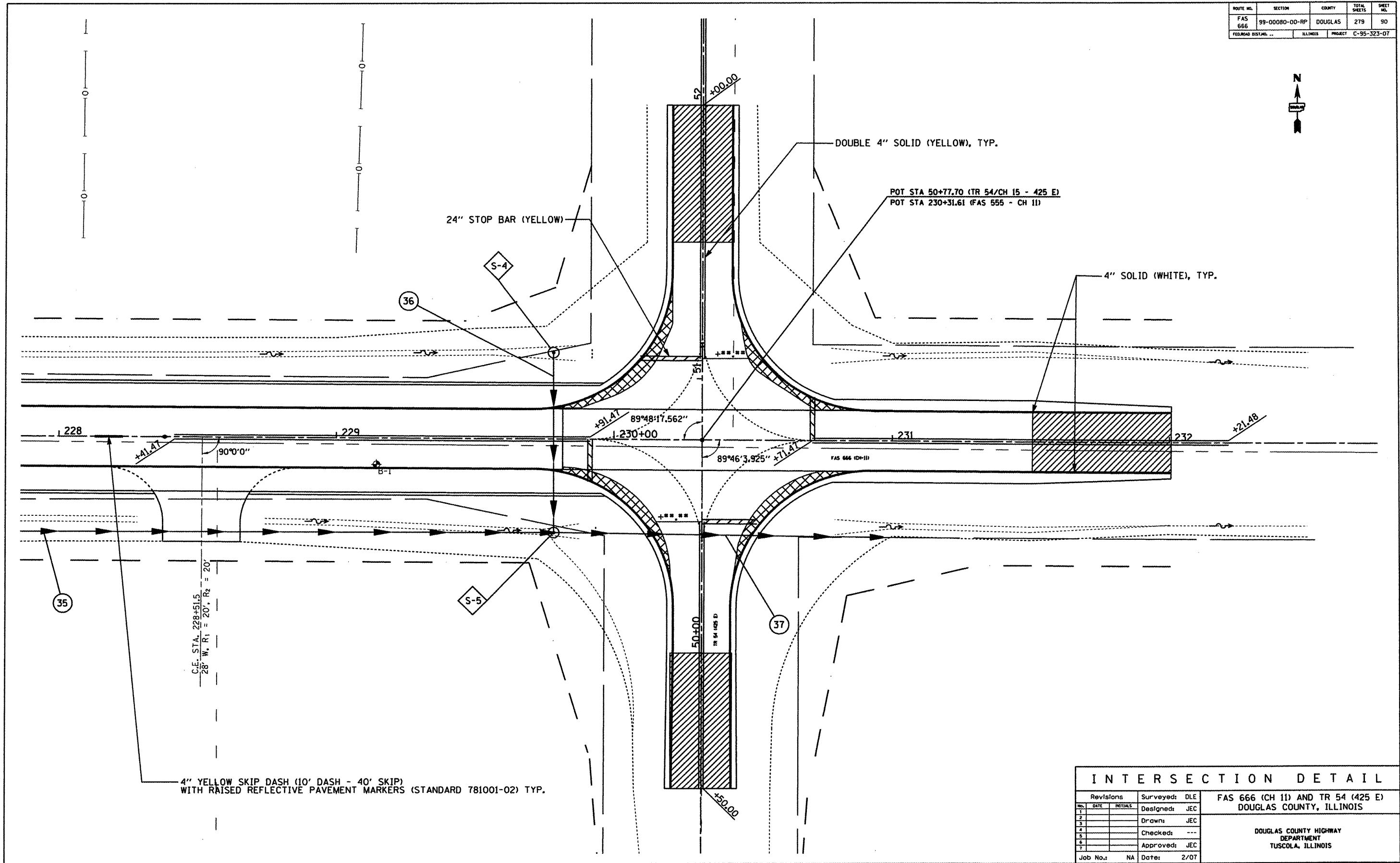
4" YELLOW SKIP DASH (10' DASH - 40' SKIP) WITH RAISED REFLECTIVE PAVEMENT MARKERS (STANDARD 781001-02) TYP.



INTERSECTION DETAIL			
Revisions	Surveyed:	DLE	FAS 666 (CH 11) AND FAS 670 (CH 26) DOUGLAS COUNTY, ILLINOIS
1	DATE	INITIALS	
2		Designed:	JEC
3		Drawn:	JEC
4		Checked:	---
5		Approved:	JEC
6			
7			
Job No.:	NA	Date:	2/07

EDWIN J. YODER
(1310100006)

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	90
FEDERAL DISTRICT...		ILLINOIS	PROJECT C-95-323-07	



4" YELLOW SKIP DASH (10' DASH - 40' SKIP) WITH RAISED REFLECTIVE PAVEMENT MARKERS (STANDARD 781001-02) TYP.

INTERSECTION DETAIL			
Revisions		Surveyed: DLE	FAS 666 (CH 11) AND TR 54 (425 E)
Designed: JEC		DOUGLAS COUNTY, ILLINOIS	
Drawn: JEC		DOUGLAS COUNTY HIGHWAY DEPARTMENT TUSCOLA, ILLINOIS	
Checked: ---			
Approved: JEC			
Job No.: NA			
Date: 2/07			

CONTRACT 91379				
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	91
FEDROAD DIST.NO. ...	ILLINOIS	PROJECT	C-95-323-07	

EROSION CONTROL SEQUENCE

1. PLACEMENT OF PERIMETER EROSION CONTROL BARRIER PRIOR TO THE COMMENCEMENT OF ANY WORK, OR AS DIRECTED BY THE ENGINEER. SEE STANDARD 280001.
2. THE PLACEMENT OF INLET & PIPE PROTECTION WITHIN 24 HOURS OF THE COMPLETION OF EACH CONSTRUCTED DRAINAGE ITEM. SEE STANDARD 280001.
3. RIPRAP SHALL BE CONSTRUCTED AS INDICATED ON THE PLANS AS SOON AS THE CONTRACTOR IS ABLE WITHOUT INTERFERING WITH OTHER ITEMS OF WORK.
4. DITCH CHECKS SHALL BE INSTALLED AFTER SEEDING AND MULCHING OPERATIONS ARE COMPLETE. SEE STANDARD 280001.

DATE	BY

PLAN

REVISIONS

NO. DATE DESCRIPTION

1. ALIGNED TO CORRECT

2. PLOTTED

3. CHECKED

4. FILED

5. FILED

6. FILED

7. FILED

8. FILED

9. FILED

10. FILED

DATE	BY

PROFILE

REVISIONS

NO. DATE DESCRIPTION

1. STRUCTURE

2. NOTATIONS

3. CORRECTED

4. CHECKED

5. FILED

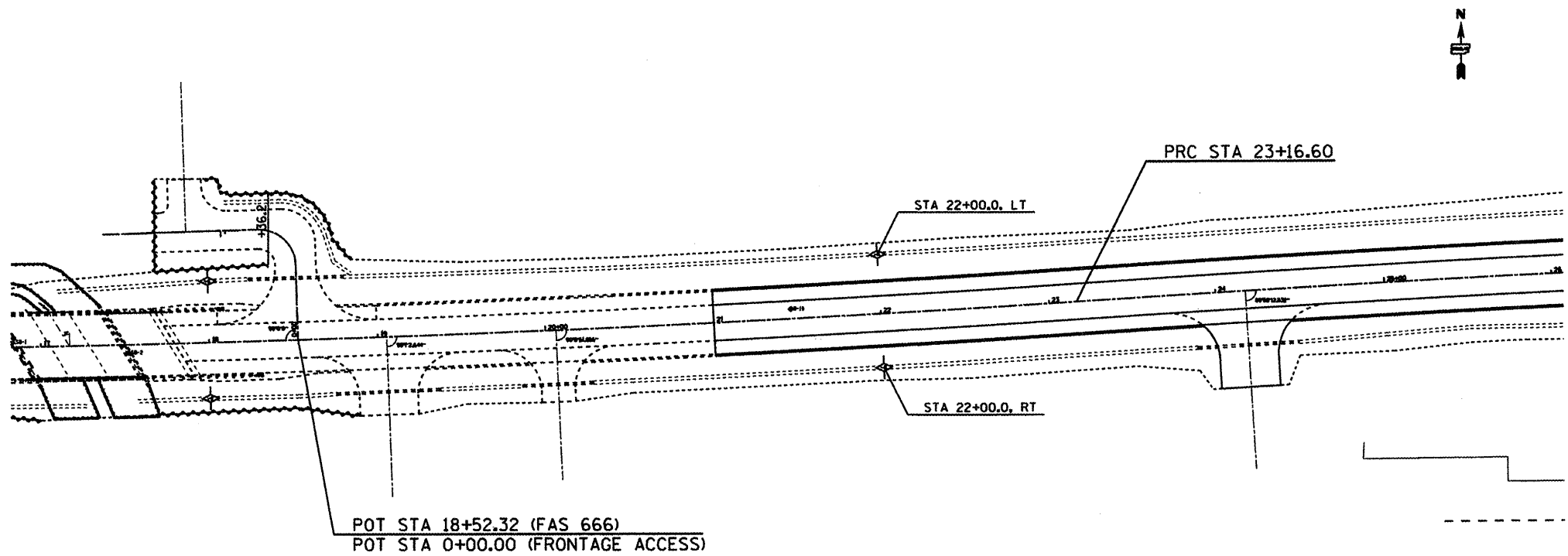
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
7. FILED

8. FILED

9. FILED

10. FILED



-  TEMPORARY DITCH CHECK
-  INLET AND PIPE PROTECTION
-  TEMPORARY EROSION CONTROL BARRIER

CONTRACT 91379				
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	92
FEDERAL ROAD DIST. NO. ...		ILLINOIS	PROJECT C-95-323-07	



DATE	BY

PLAN

REVISIONS

NO. DATE DESCRIPTION

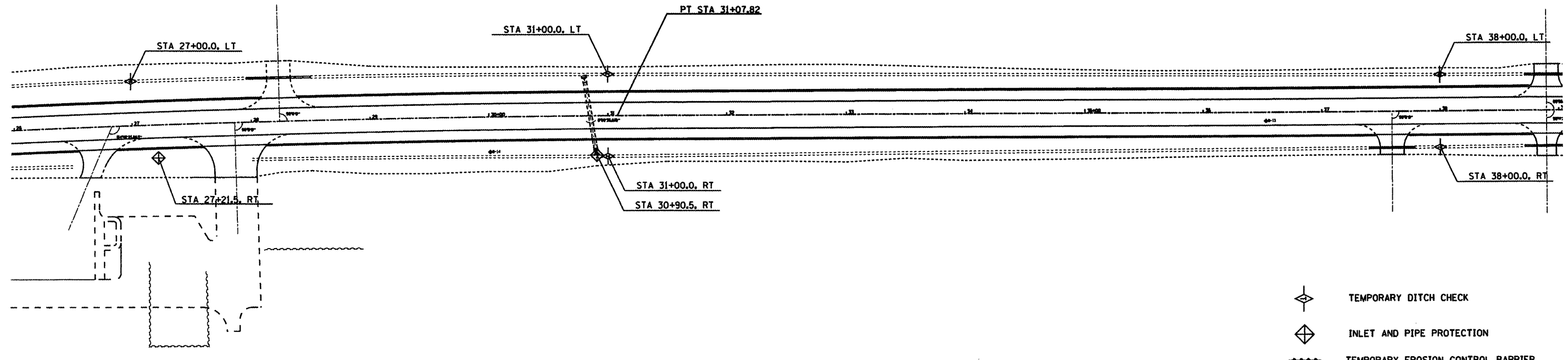
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2. 11/15/00 CHECKED

3. 11/15/00 CHECKED

4. 11/15/00 CHECKED

5. 11/15/00 CHECKED



-  TEMPORARY DITCH CHECK
-  INLET AND PIPE PROTECTION
-  TEMPORARY EROSION CONTROL BARRIER

DATE	BY

PROFILE

REVISIONS

NO. DATE DESCRIPTION

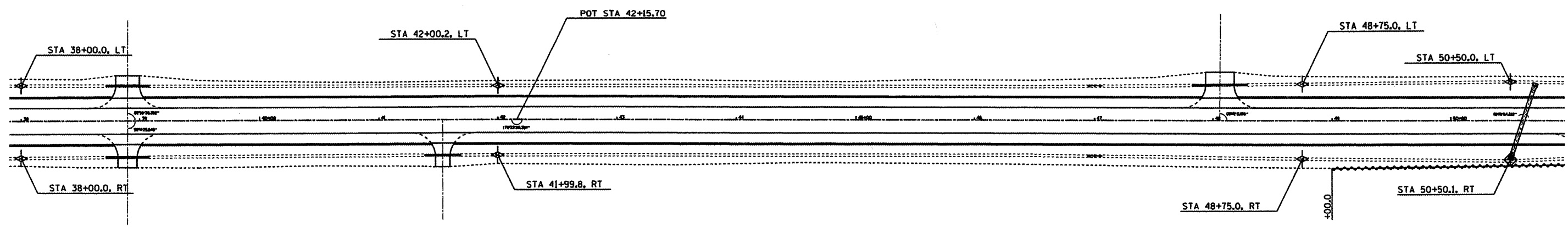
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2. 11/15/00 CHECKED

3. 11/15/00 CHECKED

4. 11/15/00 CHECKED

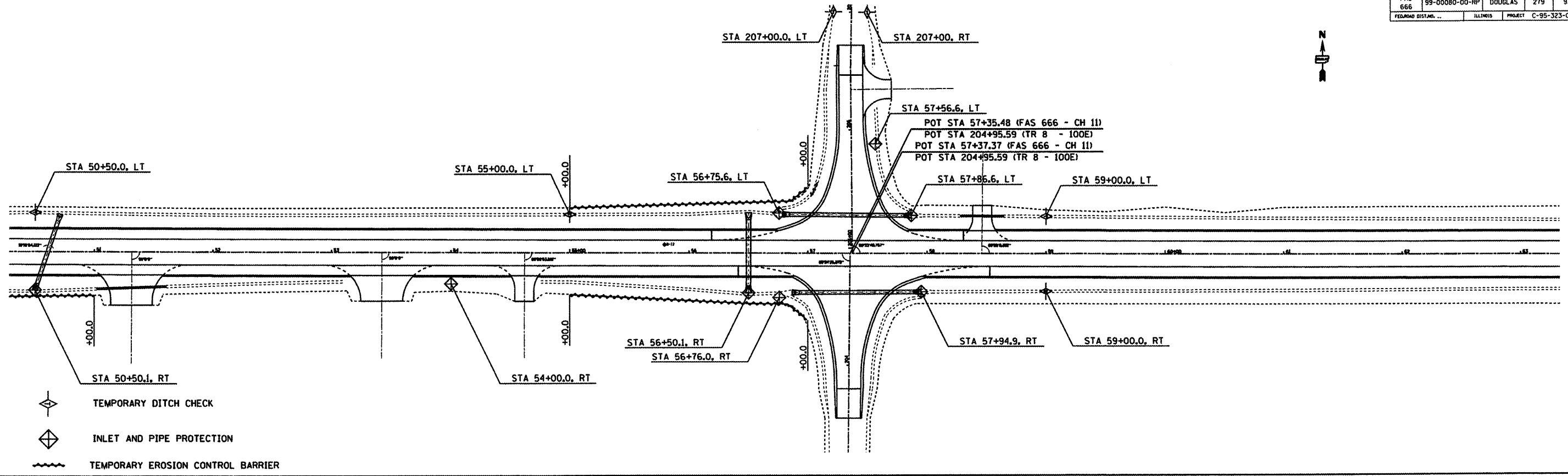
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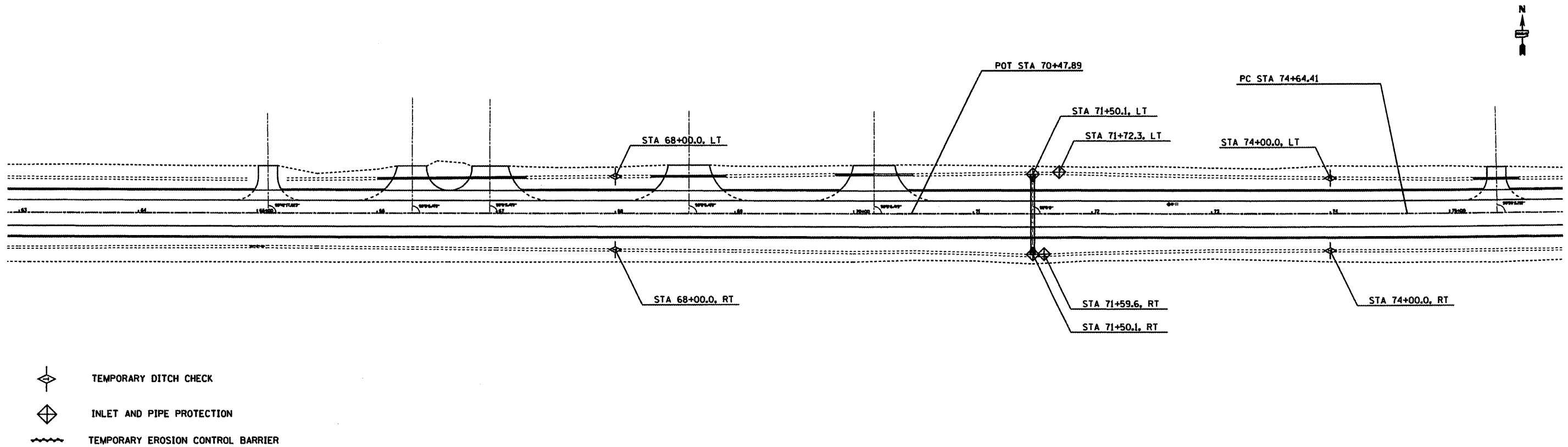
-  TEMPORARY DITCH CHECK
-  INLET AND PIPE PROTECTION
-  TEMPORARY EROSION CONTROL BARRIER

CONTRACT 91379				
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	93
FEDERAL DIST. NO.	ILLINOIS	PROJECT	C-95-323-07	

DATE	BY



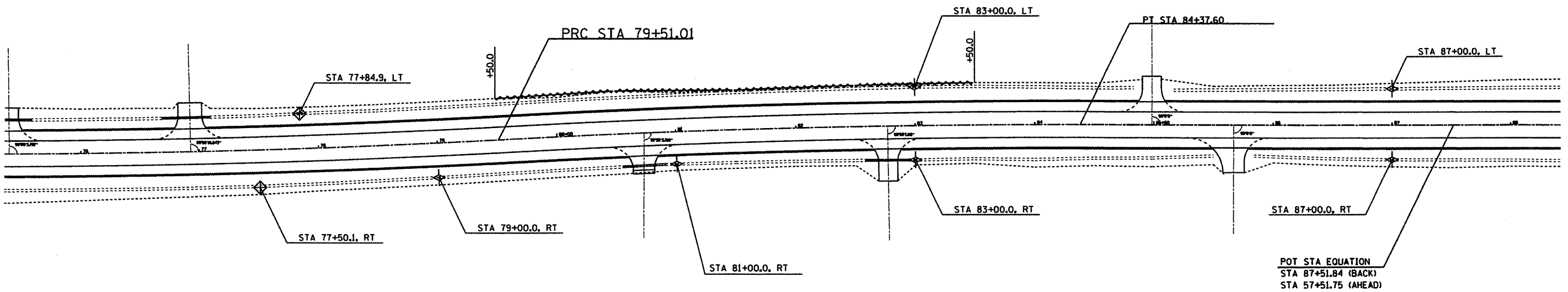
DATE	BY



CONTRACT 91379				
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	94
FEDERAL DIST. NO.	ILLINOIS	PROJECT	C-95-323-07	

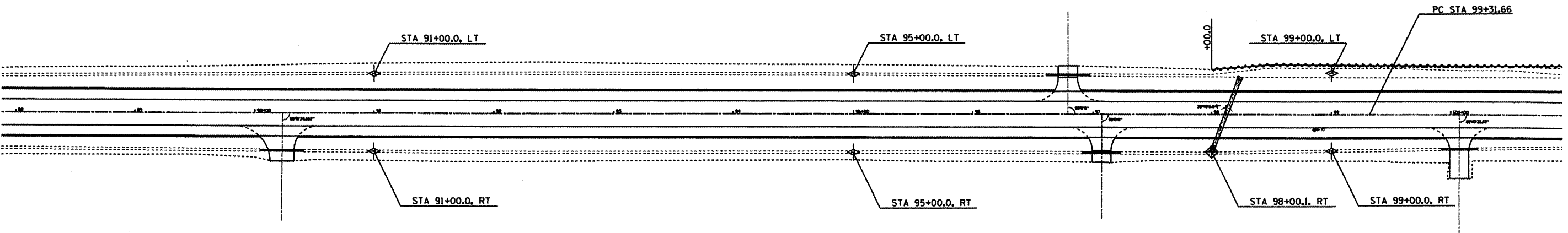


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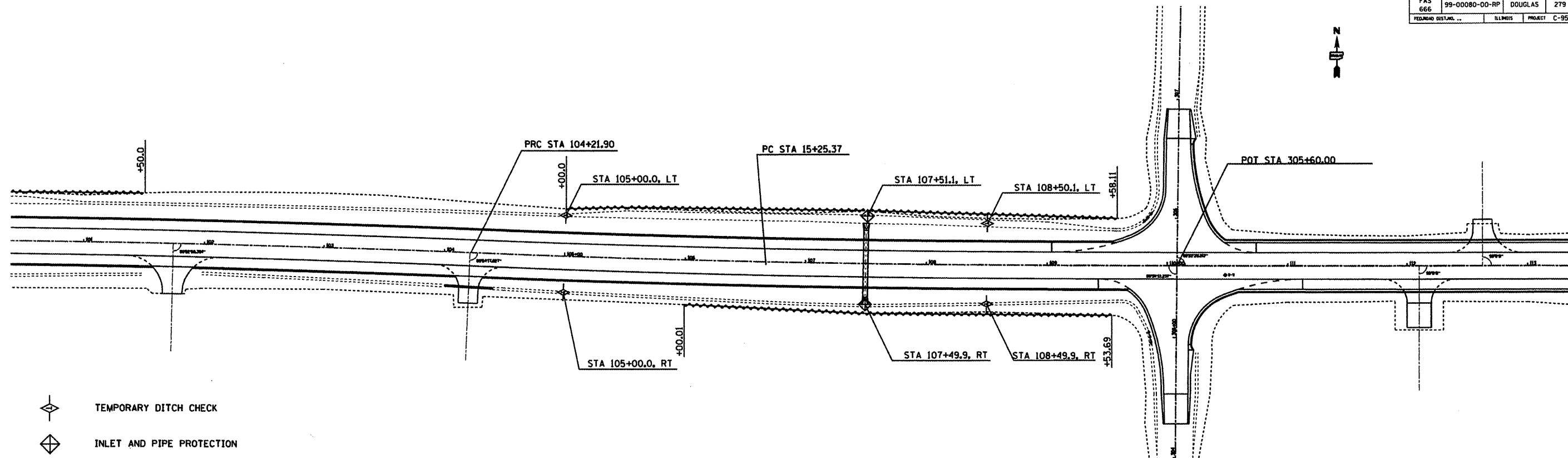
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- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION
- TEMPORARY EROSION CONTROL BARRIER

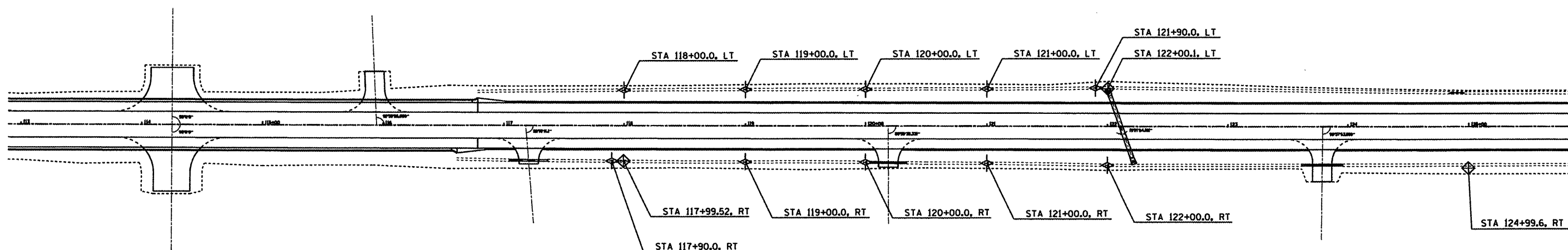
CONTRACT 91379				
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	95
FED/MD DIST. NO.	ILLINOIS	PROJECT	C-95-323-07	

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- ◇ TEMPORARY DITCH CHECK
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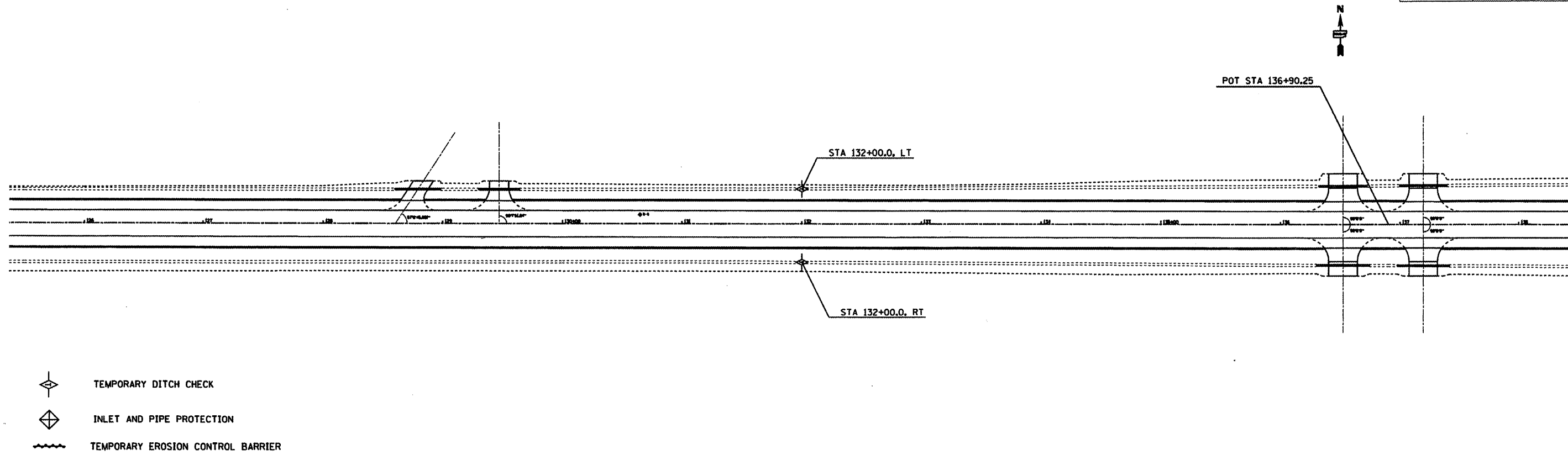





- ◇ TEMPORARY DITCH CHECK
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CONTRACT 91379				
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	96
FEDERAL DISTRICT	ILLINOIS	PROJECT	C-95-323-07	

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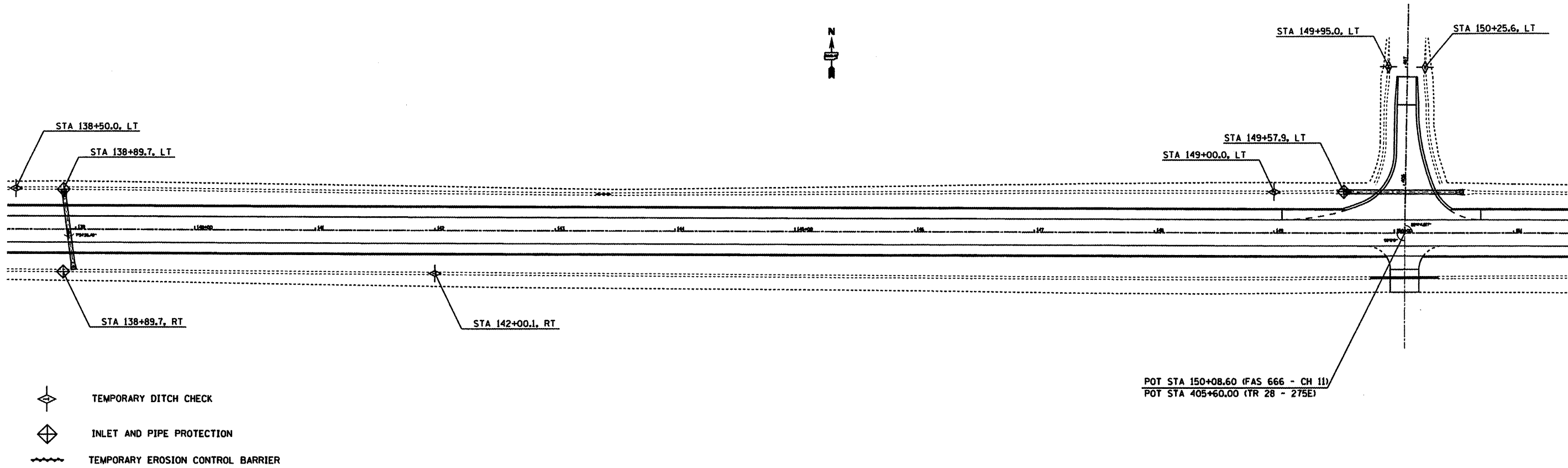
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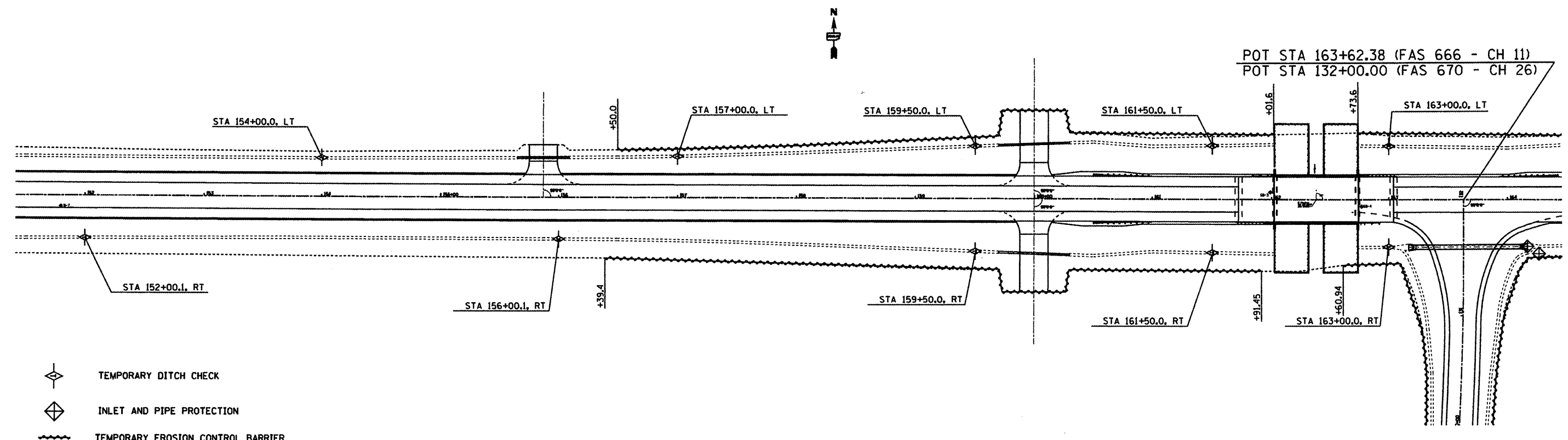
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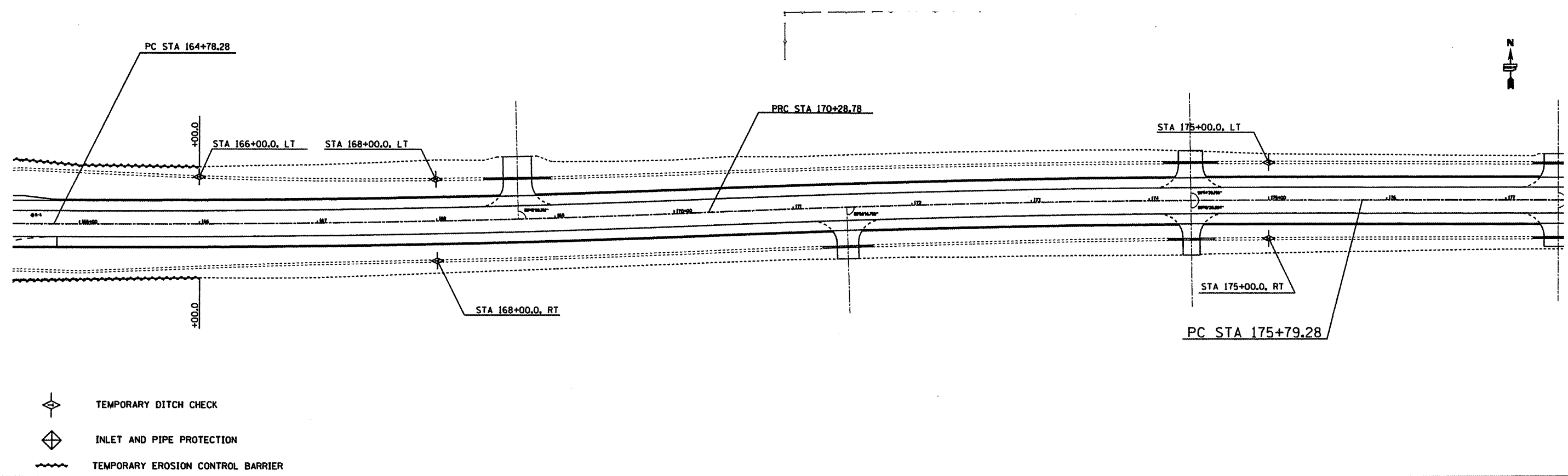
CONTRACT 91379				
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	97
FEDERAL DIST. NO.	ILLINOIS	PROJECT	C-95-323-07	

POT STA 163+62.38 (FAS 666 - CH 11)
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- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION
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- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-00-RP	DOUGLAS	279	98
FEDERAL DISTRICT ...	ILLINOIS	PROJECT	C-95-323-07	



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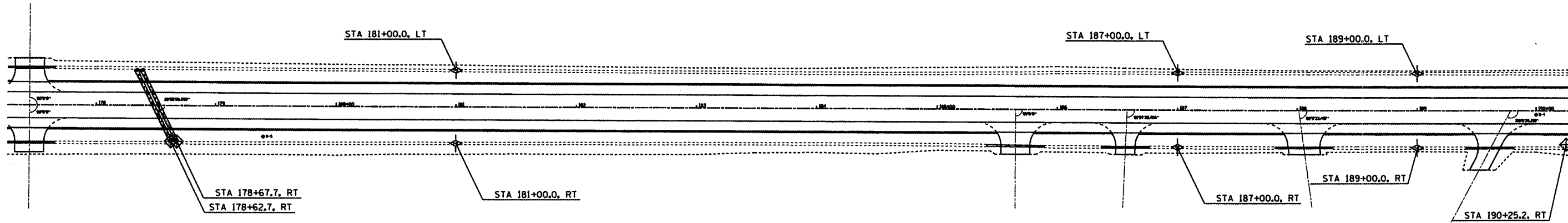
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- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION
- TEMPORARY EROSION CONTROL BARRIER

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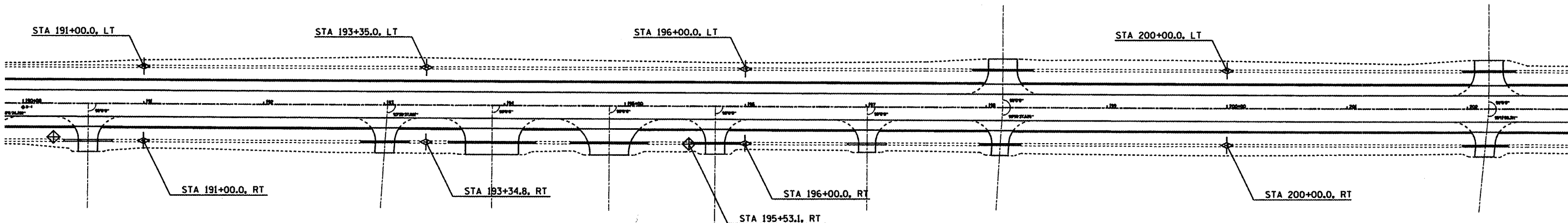
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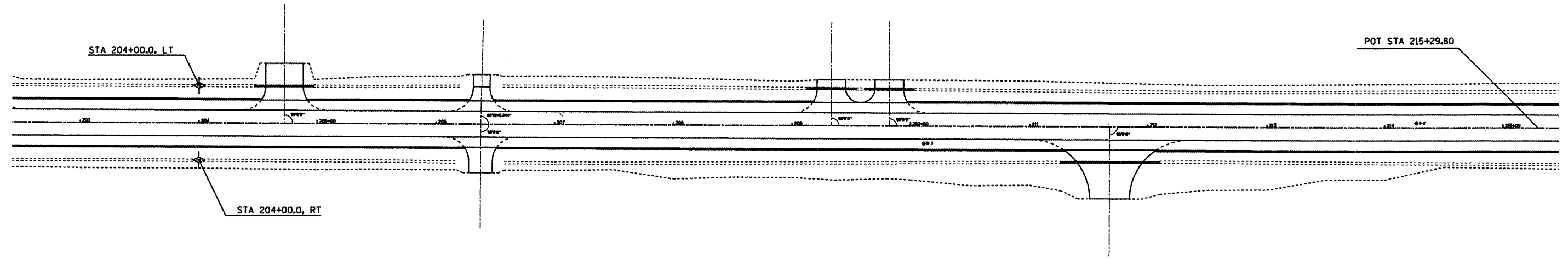
- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION
- TEMPORARY EROSION CONTROL BARRIER

CONTRACT 91379				
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 666	99-00080-DD-RP	DOUGLAS	279	99
FEDERAL DISTRICT ...		ILLINOIS	PROJECT C-95-323-07	



DATE	BY

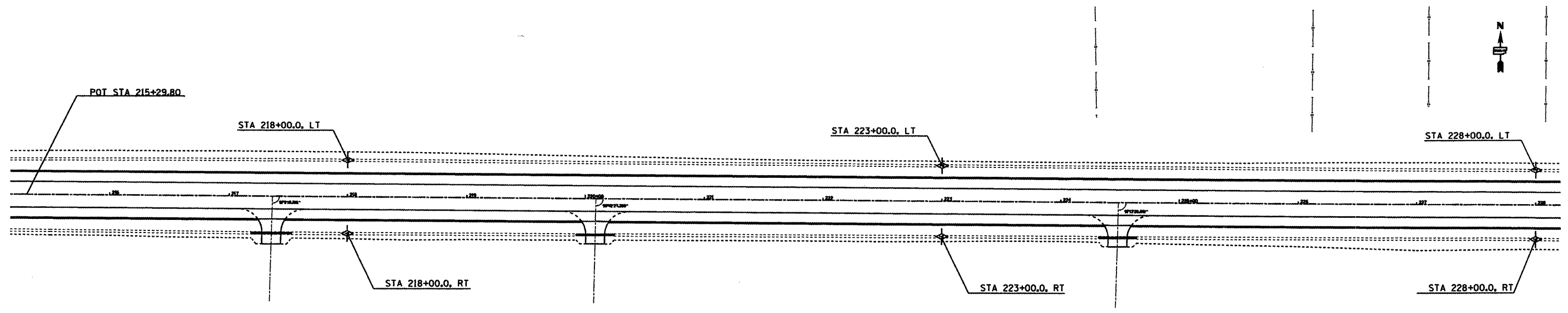
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- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION
- TEMPORARY EROSION CONTROL BARRIER

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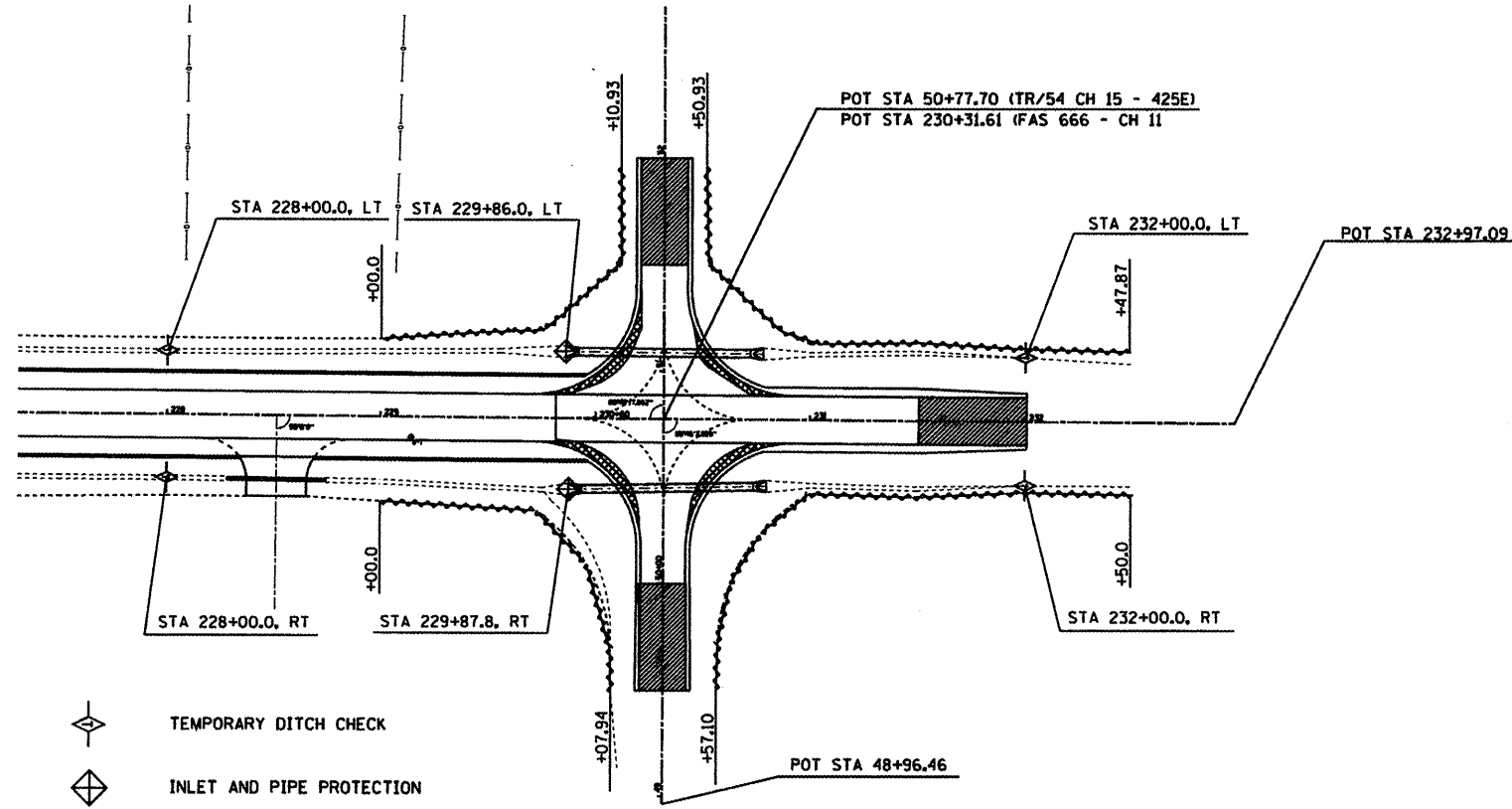
- TEMPORARY DITCH CHECK
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FEDERAL DIST. NO. ...	ILLINOIS	PROJECT	C-95-323-07	

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- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION
- TEMPORARY EROSION CONTROL BARRIER

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