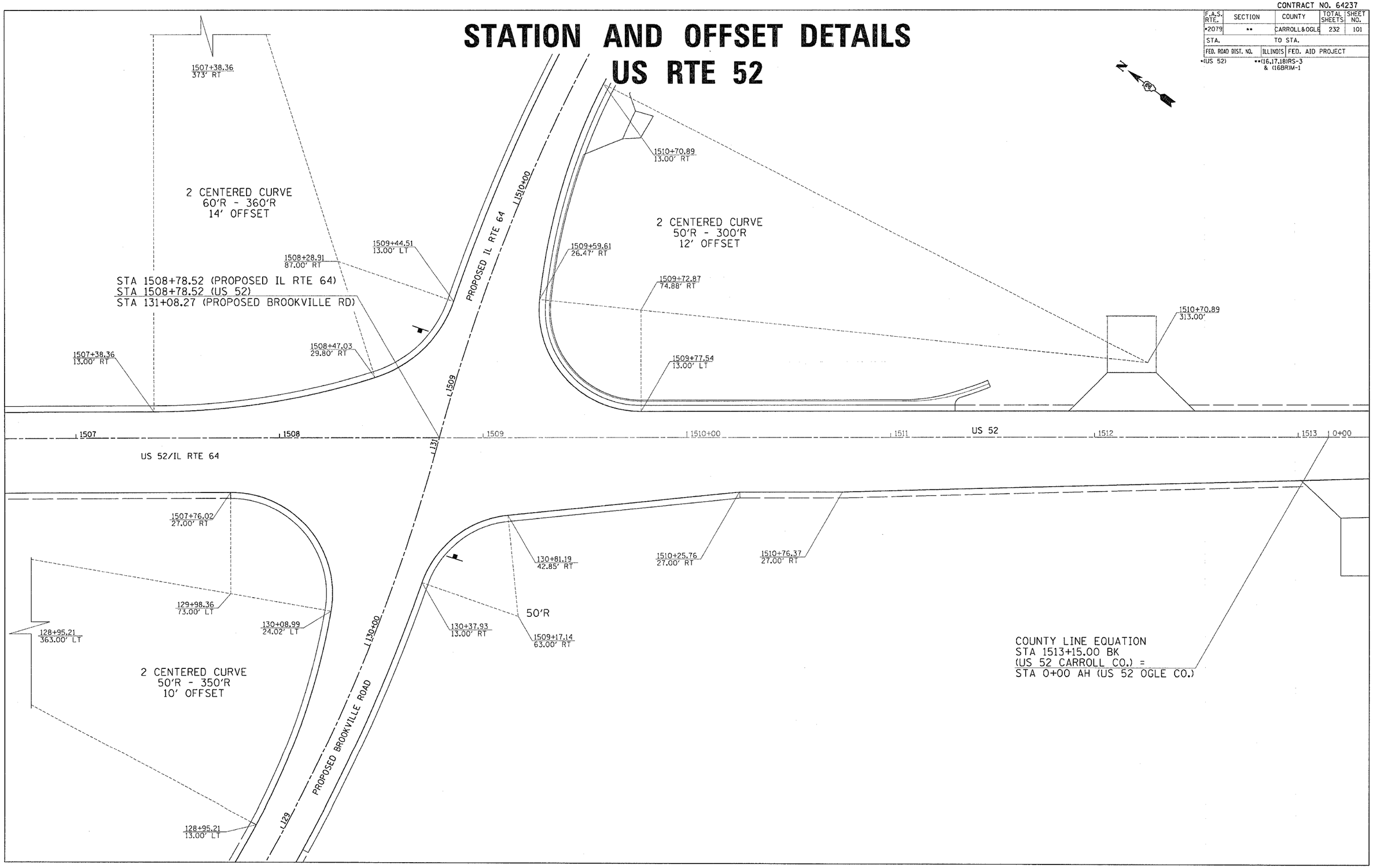
CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL & OGLE	232	101
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52) **(16,17,18)RS-3 & (16BR)M-1

STATION AND OFFSET DETAILS
US RTE 52



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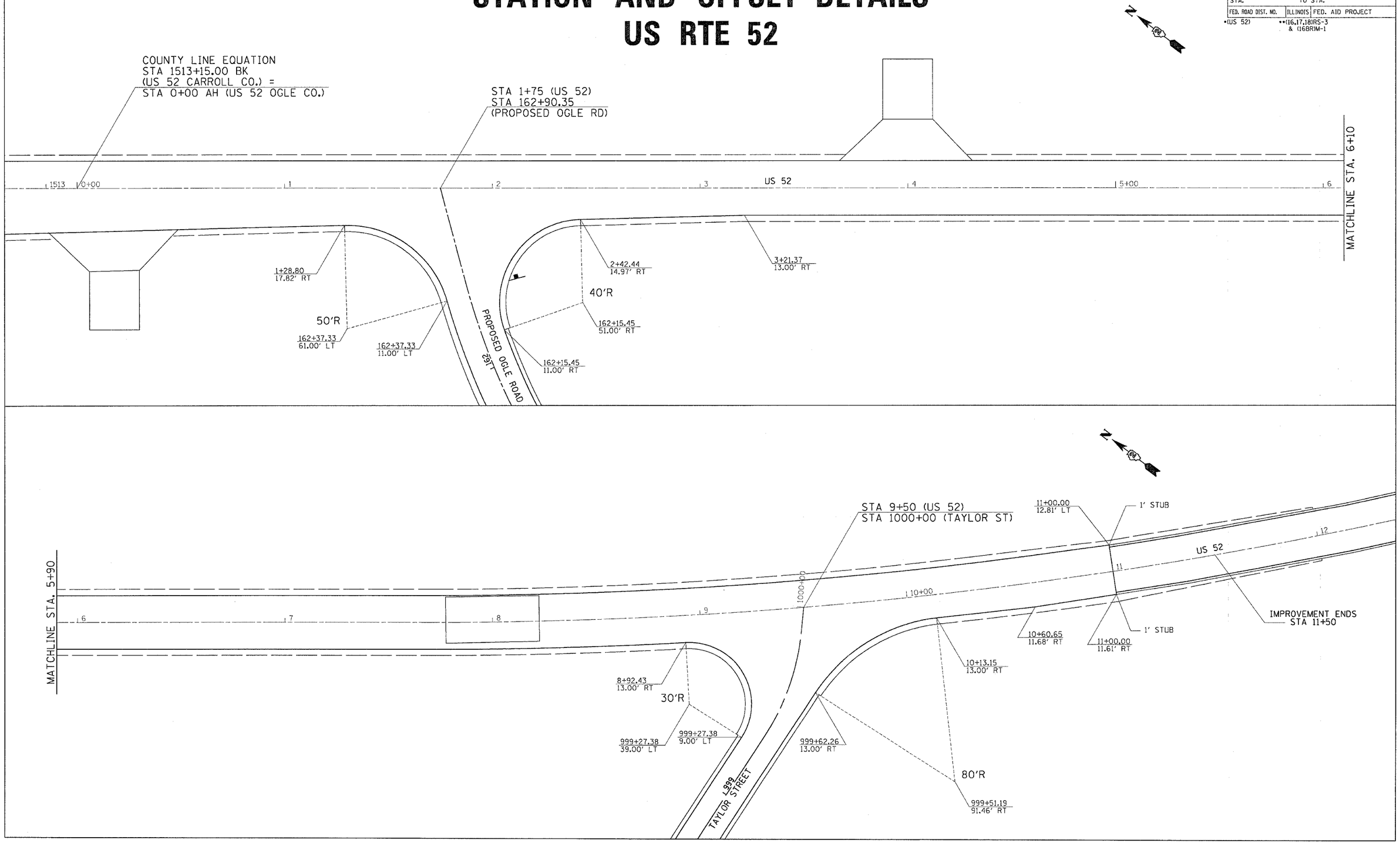
CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	102
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52) **(16,17,18)RS-3 & (16BRIM-1

STATION AND OFFSET DETAILS
US RTE 52



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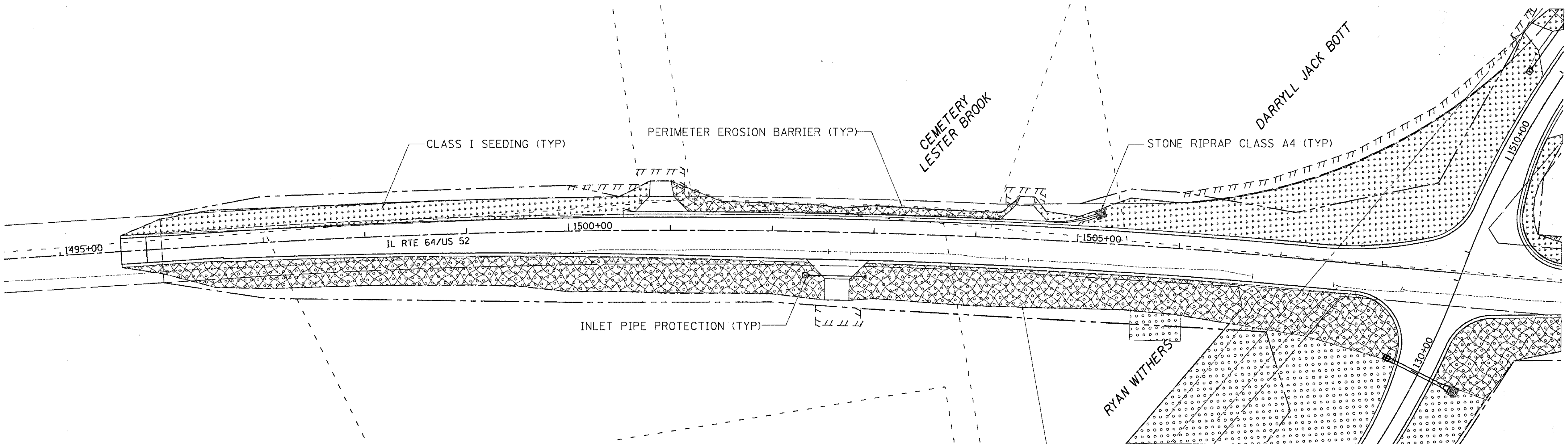
STATION AND OFFSET DETAILS

CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	103
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

*(US 52) **(16,17,18)RS-3 & (16BR)M-1

EROSION CONTROL AND SEEDING PLANS



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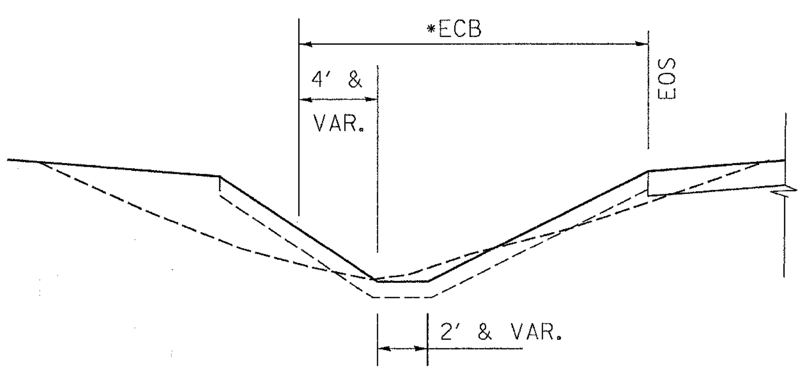
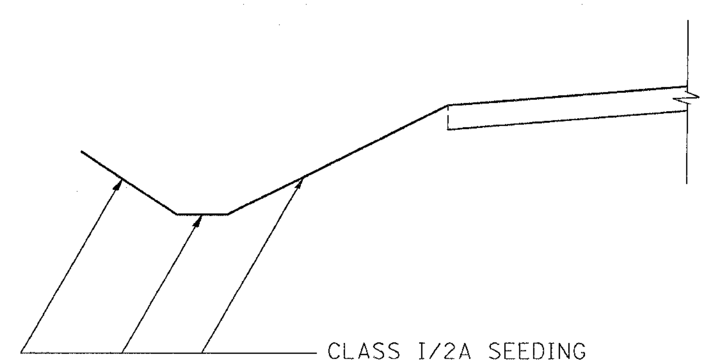


"DETAIL"

* EROSION CONTROL BLANKET



SEEDING DETAIL

TEMPORARY DITCH CHECK LOCATIONS

IL RTE 64/US 52			
STA.	*OFFSET	STA.	*OFFSET
1496+00 -	RT	1496+00 -	LT
1496+63 -	RT	1496+63 -	LT
1497+26 -	RT	1497+26 -	LT
1497+89 -	RT	1497+89 -	LT
1498+52 -	RT	1498+52 -	LT
1499+15 -	RT	1499+15 -	LT
1499+78 -	RT	1499+78 -	LT
1500+41 -	RT	1500+41 -	LT
1501+04 -	RT	1501+04 -	LT
1501+67 -	RT	1501+67 -	LT
1502+30 -	RT	1502+30 -	LT
1502+93 -	RT	1502+93 -	LT
1503+56 -	RT	1503+56 -	LT
21' INTERVALS - RT		20' INTERVALS - LT	
1504+00 TO 1507+99		1505+50 TO 1507+99	

* OFFSET LOCATIONS FOR TEMPORARY DITCH CHECKS ARE TO THE CENTER OF DITCH. (SEE CROSS-SECTIONS)

LEGEND

- CLASS I SEEDING (SEE DETAIL)
- CLASS 2A SEEDING (SEE DETAIL)
- EROSION CONTROL BLANKET
- INLET PIPE PROTECTION
- PERIMETER EROSION BARRIER
- STONE RIPRAP CLASS A4

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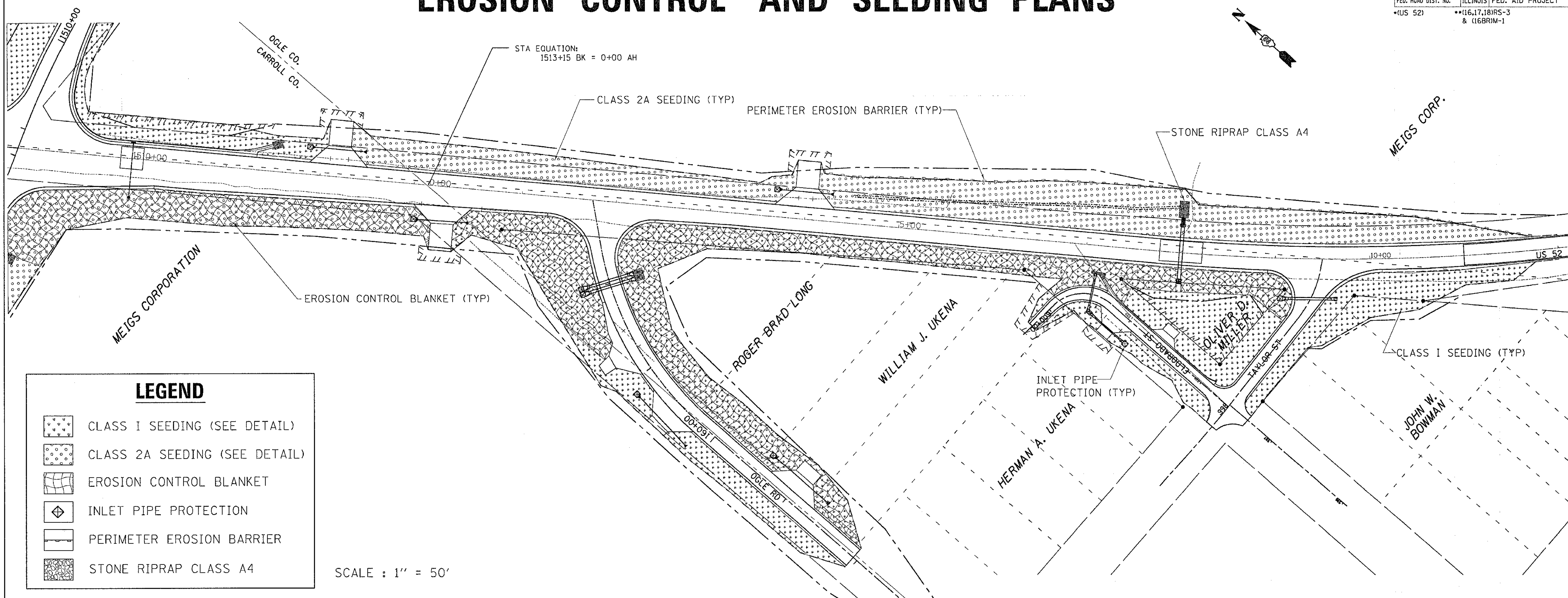
CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	104
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52) **(16,17,18)RS-3 & (16BR)M-1

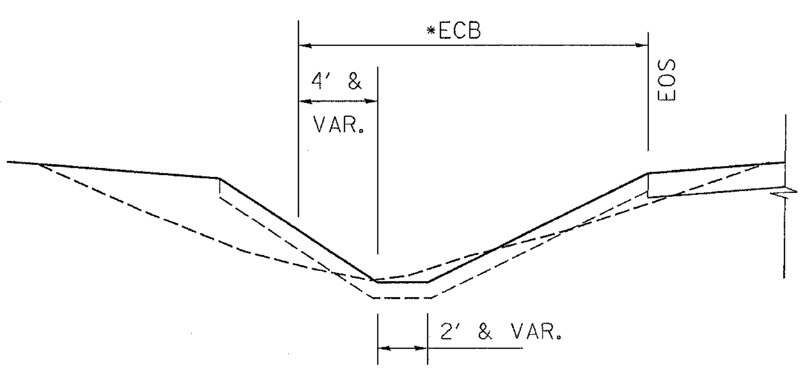
EROSION CONTROL AND SEEDING PLANS



LEGEND

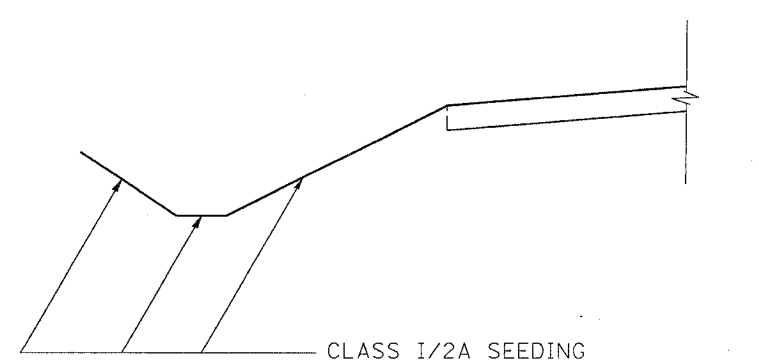
- CLASS I SEEDING (SEE DETAIL)
- CLASS 2A SEEDING (SEE DETAIL)
- EROSION CONTROL BLANKET
- INLET PIPE PROTECTION
- PERIMETER EROSION BARRIER
- STONE RIPRAP CLASS A4

SCALE : 1" = 50'



"DETAIL"

* EROSION CONTROL BLANKET



SEEDING DETAIL

TEMPORARY DITCH CHECK LOCATIONS

IL RTE 64/US 52

STA.	*OFFSET	STA.	*OFFSET
21' INTERVALS - RT 1509+50 TO 1513+15 STA EQ: 1513+15 BK = 0+00 AH		33' INTERVALS - LT 5+00 TO 8+00	
21' INTERVALS - RT 0+00 TO 5+00		250' INTERVALS - LT 8+00 TO 11+50	
107' INTERVALS - RT 5+00 TO 11+00			
20' INTERVALS - LT 1509+50 TO 1513+15 STA EQ: 1513+15 BK = 0+00 AH			
20' INTERVALS - LT 0+00 TO 5+00			

OGLE ROAD

STA.	*OFFSET
158+05	- RT & LT
158+99	- RT & LT
159+93	- RT & LT
160+87	- RT & LT
161+81	- RT & LT
162+75	- RT & LT

ELDORADO ST.

STA.	*OFFSET
599+75	- RT
600+00	- RT
600+25	- RT
597+50	- LT
597+75	- LT
598+00	- LT
598+25	- LT
598+50	- LT
598+75	- LT
599+00	- LT
599+25	- LT
599+50	LT
599+75	- LT
600+00	- LT
600+25	- LT

TAYLOR ST.

STA.	*OFFSET
998+50	- RT & LT
998+60	- RT & LT
998+70	- RT & LT
998+80	- RT & LT
998+90	- RT & LT
999+00	- RT & LT
999+10	- RT & LT
999+20	- RT & LT
999+30	- RT & LT
999+40	- RT & LT
999+50	- RT & LT

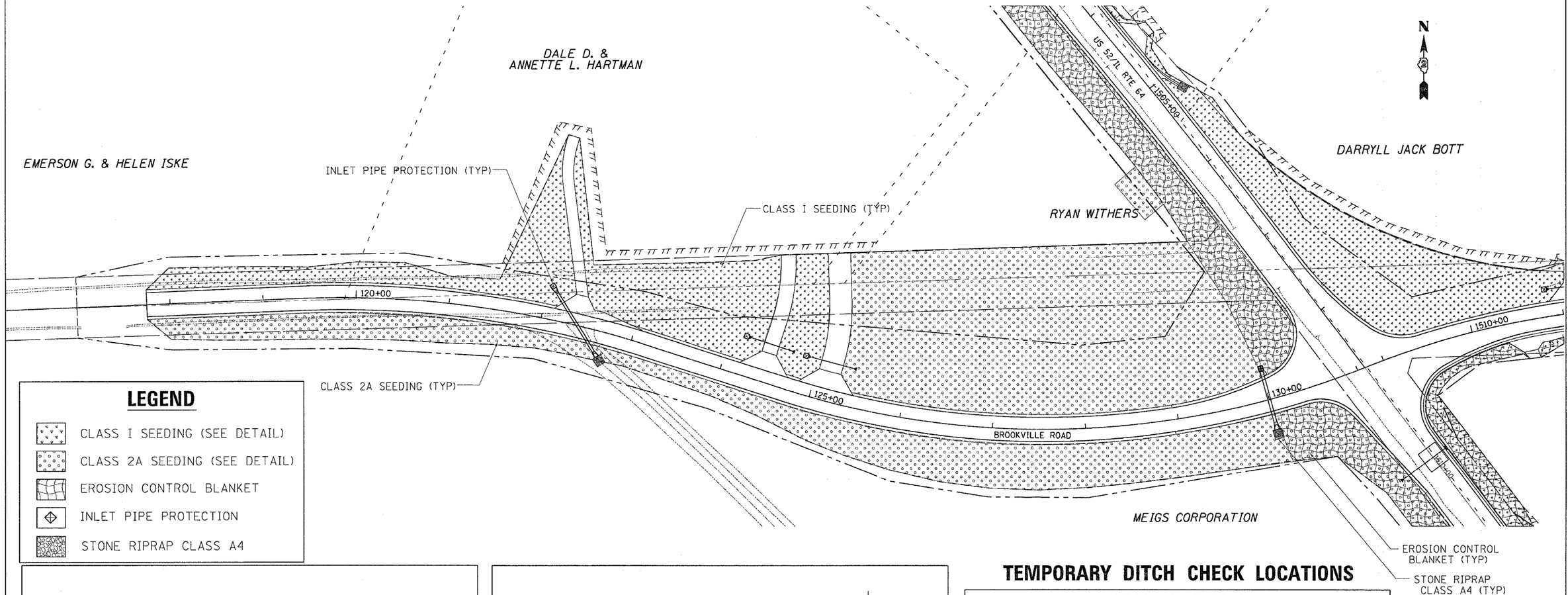
* OFFSET LOCATIONS FOR TEMPORARY DITCH CHECKS ARE TO THE CENTER OF DITCH (SEE CROSS-SECTIONS)

CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	105
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

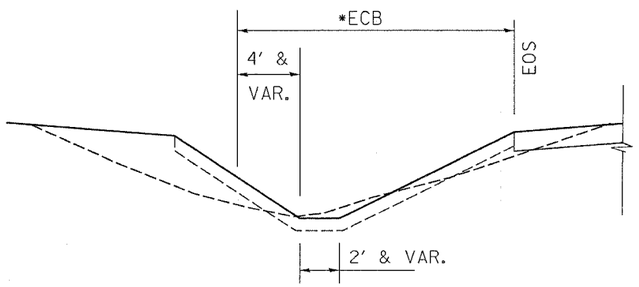
*(US 52) **(16,17,18)RS-3 & (16BR)M-1

EROSION CONTROL AND SEEDING PLANS



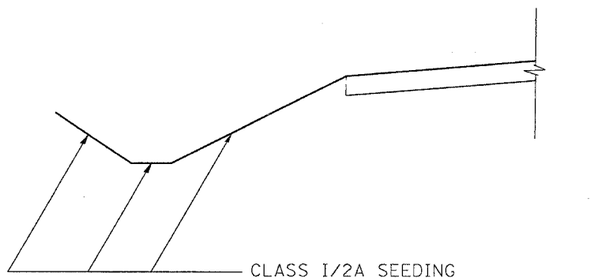
LEGEND

- CLASS I SEEDING (SEE DETAIL)
- CLASS 2A SEEDING (SEE DETAIL)
- EROSION CONTROL BLANKET
- INLET PIPE PROTECTION
- STONE RIPRAP CLASS A4



"DETAIL"

* EROSION CONTROL BLANKET



SEEDING DETAIL

TEMPORARY DITCH CHECK LOCATIONS

BROOKVILLE ROAD											
STA.		*OFFSET		STA.		*OFFSET		STA.		*OFFSET	
118+00	-	RT & LT		122+50	-	RT & LT		127+00	-	RT & LT	
118+30	-	RT & LT		122+80	-	RT & LT		127+30	-	RT & LT	
118+60	-	RT & LT		123+10	-	RT & LT		127+60	-	RT & LT	
118+90	-	RT & LT		123+40	-	RT & LT		127+90	-	RT & LT	
119+20	-	RT & LT		123+70	-	RT & LT		128+20	-	RT & LT	
119+50	-	RT & LT		124+00	-	RT & LT		128+50	-	RT & LT	
119+80	-	RT & LT		124+30	-	RT & LT		128+80	-	RT & LT	
120+10	-	RT & LT		124+60	-	RT & LT		129+10	-	RT & LT	
120+40	-	RT & LT		124+90	-	RT & LT		129+40	-	RT & LT	
120+70	-	RT & LT		125+20	-	RT & LT		129+70	-	RT & LT	
121+00	-	RT & LT		125+50	-	RT & LT		130+00	-	RT & LT	
121+30	-	RT & LT		125+80	-	RT & LT					
121+60	-	RT & LT		126+10	-	RT & LT					
121+90	-	RT & LT		126+40	-	RT & LT					
122+20	-	RT & LT		126+70	-	RT & LT					

* OFFSET LOCATIONS FOR TEMPORARY DITCH CHECKS ARE TO THE CENTER OF DITCH. (SEE CROSS-SECTIONS)

SCALE : 1" = 50'

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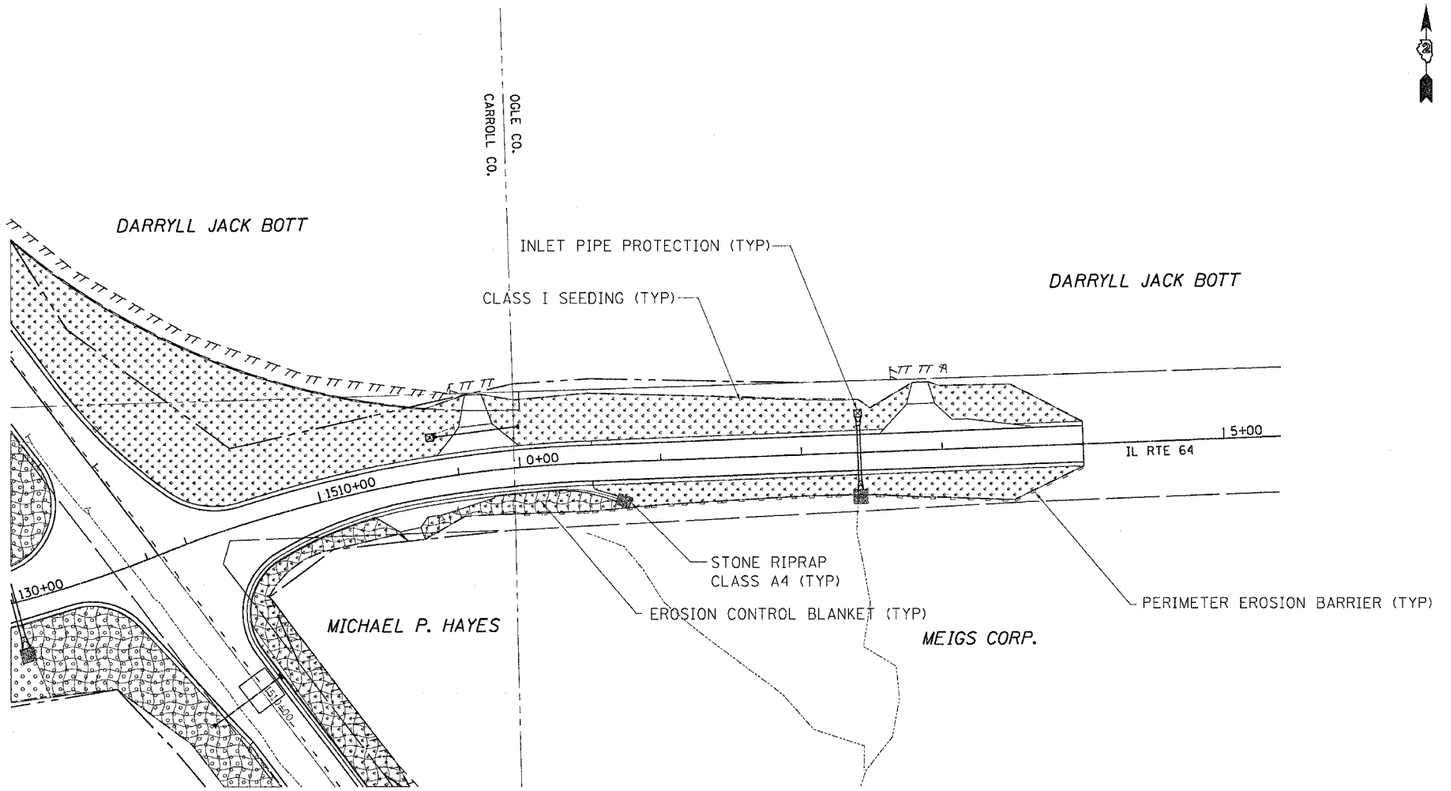
REFERENCE = REF

CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	106
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

*(US 52) **(16,17,18)RS-3 & (16BR)M-1

EROSION CONTROL AND SEEDING PLANS



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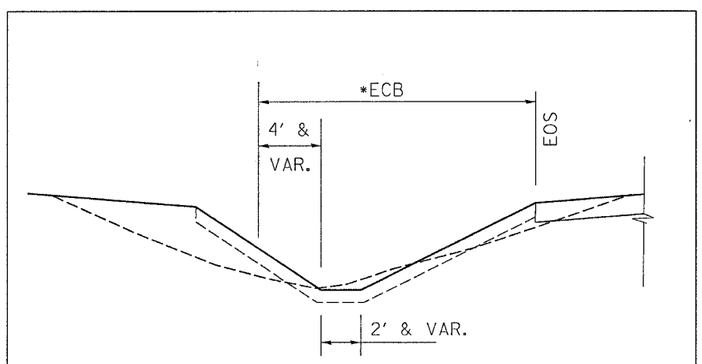
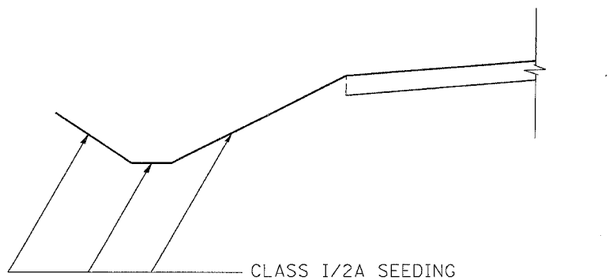


"DETAIL"

* EROSION CONTROL BLANKET



SEEDING DETAIL

TEMPORARY DITCH CHECK LOCATIONS

IL RTE 64					
STA.		*OFFSET	STA.		*OFFSET
1509+50	-	RT & LT	0+35	-	LT
1509+88	-	RT & LT	0+73	-	LT
1510+26	-	RT & LT	1+11	-	LT
1510+64	-	RT & LT	1+49	-	LT
1511+02	-	RT & LT	1+87	-	LT
1511+40	-	RT & LT	2+25	-	LT
STA EQ: 1511+43 BK			2+63	-	LT
= 0+00 AH			3+01	-	LT
2+50	-	RT	3+39	-	LT
2+88	-	RT	3+77	-	LT
3+26	-	RT	4+15	-	LT
3+64	-	RT			
4+02	-	RT			
4+40	-	RT			

* OFFSET LOCATIONS FOR TEMPORARY DITCH CHECKS ARE TO THE CENTER OF DITCH. (SEE CROSS-SECTIONS)

LEGEND

- CLASS I SEEDING (SEE DETAIL)
- CLASS 2A SEEDING (SEE DETAIL)
- EROSION CONTROL BLANKET
- INLET PIPE PROTECTION
- PERIMETER EROSION BARRIER
- STONE RIPRAP CLASS A4

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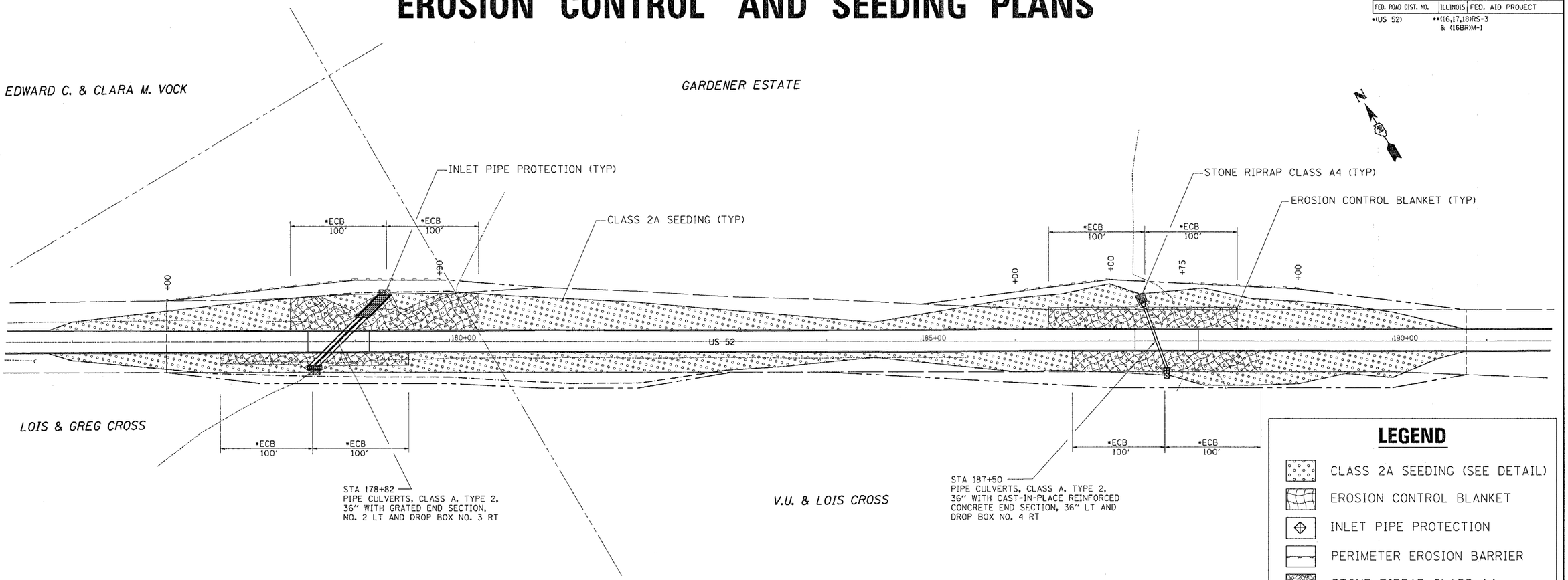
REFERENCE = $WIDE$

CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	107
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52) **(16,17,18)RS-3 & (16BR)M-1

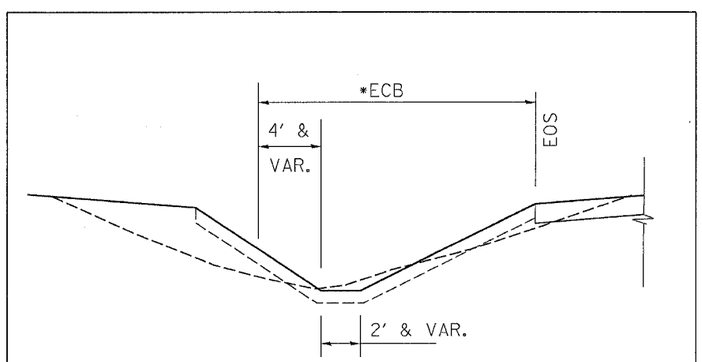
EROSION CONTROL AND SEEDING PLANS



LEGEND

- CLASS 2A SEEDING (SEE DETAIL)
- EROSION CONTROL BLANKET
- INLET PIPE PROTECTION
- PERIMETER EROSION BARRIER
- STONE RIPRAP CLASS A4

SCALE : 1" = 50'



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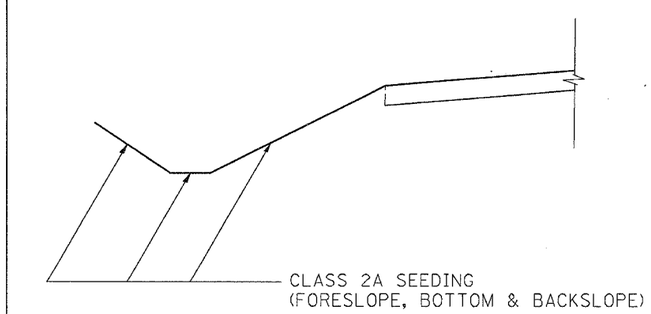
* EROSION CONTROL BLANKET



SEEDING DETAIL

TEMPORARY DITCH CHECK LOCATIONS

US 52 (CULVERT STA 178+82)						US 52 (CULVERT STA 187+50)					
STA.		*OFFSET	STA.		*OFFSET	STA.		*OFFSET	STA.		*OFFSET
177+00	-	RT	179+00	-	LT	185+00	-	RT	187+72	-	LT
177+50	-	RT	179+50	-	LT	187+00	-	RT	187+94	-	LT
178+00	-	RT	180+00	-	LT	188+00	-	RT	188+16	-	LT
178+50	-	RT	180+22	-	LT	188+56	-	RT	188+38	-	LT
180+00	-	RT	180+44	-	LT	189+12	-	RT	188+60	-	LT
181+50	-	RT	180+66	-	LT	189+68	-	RT	188+82	-	LT
176+50	-	LT	180+88	-	LT	190+24	-	RT	189+04	-	LT
176+80	-	LT	181+10	-	LT	185+00	-	LT	189+26	-	LT
177+10	-	LT	181+32	-	LT	185+33	-	LT	189+48	-	LT
177+40	-	LT	181+54	-	LT	185+66	-	LT	189+70	-	LT
177+70	-	LT	181+76	-	LT	185+99	-	LT	189+92	-	LT
178+00	-	LT	181+98	-	LT	186+32	-	LT	190+14	-	LT
178+30	-	LT	182+20	-	LT	186+65	-	LT	190+36	-	LT
178+60	-	LT				186+98	-	LT			
						187+31	-	LT			

* OFFSET LOCATIONS FOR TEMPORARY DITCH CHECKS ARE TO THE CENTER OF DITCH (SEE CROSS-SECTIONS)

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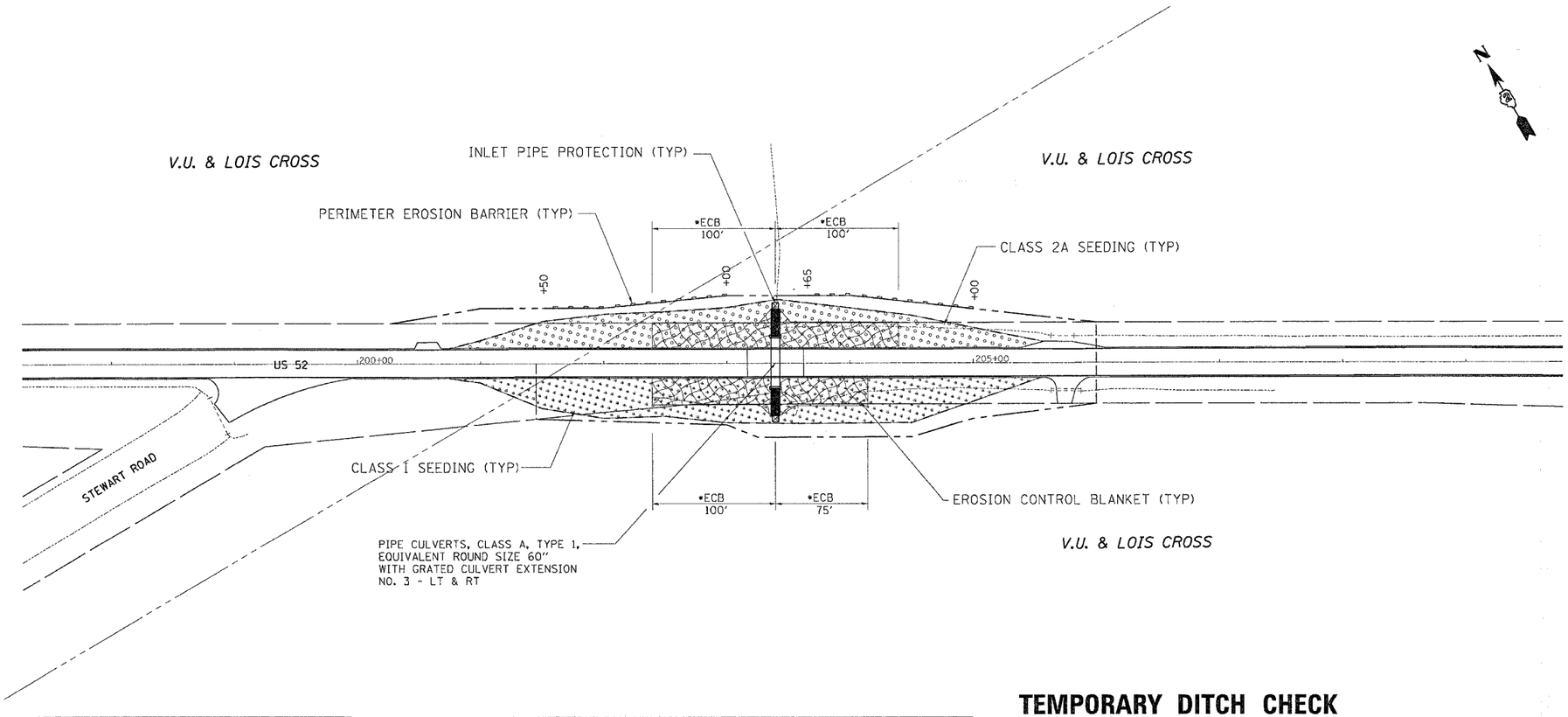
CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	108
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52) **(16,17,18)RS-3 & (16BRM-1

EROSION CONTROL AND SEEDING PLANS



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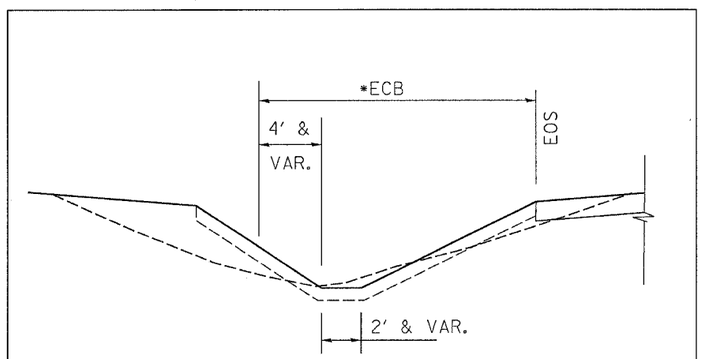
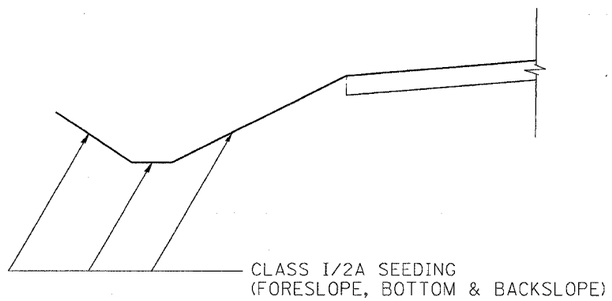


"DETAIL"

* EROSION CONTROL BLANKET



SEEDING DETAIL

TEMPORARY DITCH CHECK LOCATIONS

US 52 (CULVERT STA 203+39±)					
STA.		*OFFSET	STA.		*OFFSET
201+25	-	RT	201+25	-	LT
201+56	-	RT	201+49	-	LT
201+87	-	RT	201+73	-	LT
202+18	-	RT	201+97	-	LT
202+49	-	RT	202+21	-	LT
202+80	-	RT	202+45	-	LT
203+11	-	RT	202+66	-	LT
203+67	-	RT	203+50	-	LT
203+95	-	RT	203+78	-	LT
204+23	-	RT	204+06	-	LT
204+51	-	RT	204+34	-	LT
204+79	-	RT	204+62	-	LT
205+07	-	RT	204+90	-	LT
205+35	-	RT	205+18	-	LT

* OFFSET LOCATIONS FOR TEMPORARY DITCH CHECKS ARE TO THE CENTER OF DITCH. (SEE CROSS-SECTIONS)

LEGEND

- CLASS I SEEDING (SEE DETAIL)
- CLASS 2A SEEDING (SEE DETAIL)
- EROSION CONTROL BLANKET
- INLET PIPE PROTECTION
- PERIMETER EROSION BARRIER

PLOT DATE = Wed Mar 07 14:39:32 2007
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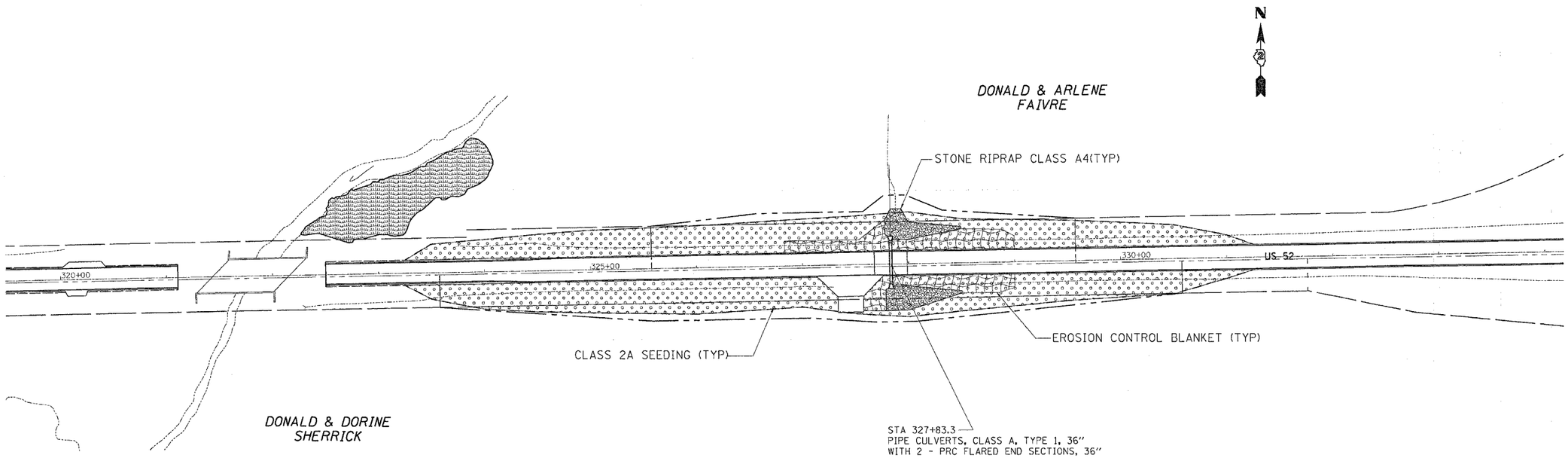
REFERENCE = REF

CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	109
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52) **(16,17,18)RS-3 & (16BR)M-1

EROSION CONTROL AND SEEDING PLANS



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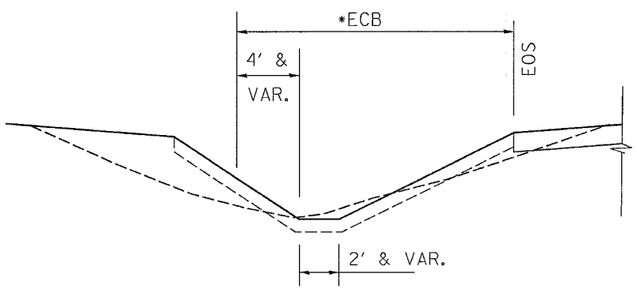
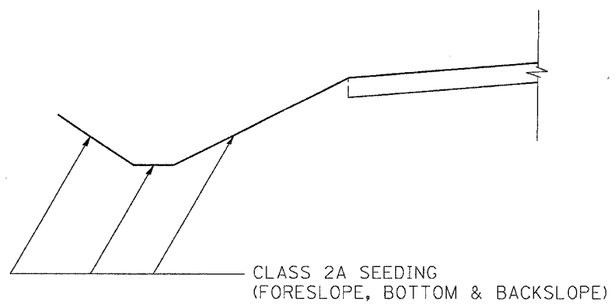


"DETAIL"

* EROSION CONTROL BLANKET



SEEDING DETAIL

TEMPORARY DITCH CHECK LOCATIONS

US 52 (CULVERT STA 327+83.3)					
STA.		*OFFSET	STA.		*OFFSET
325+33	-	RT	329+12	-	LT
323+50	-	RT	329+55	-	LT
328+30	-	RT	329+98	-	LT
328+77	-	RT	330+41	-	LT
329+21	-	RT	330+84	-	LT
329+65	-	RT			
330+12	-	RT			
330+59	-	RT			
324+00	-	LT			
325+50	-	LT			
326+41	-	LT			
327+12	-	LT			
328+26	-	LT			
328+69	-	LT			

* OFFSET LOCATIONS FOR TEMPORARY DITCH CHECKS ARE TO THE CENTER OF DITCH. (SEE CROSS-SECTIONS)

LEGEND

- CLASS 2A SEEDING (SEE DETAIL)
- EROSION CONTROL BLANKET
- STONE RIPRAP CLASS A4

PLOT DATE = Wed Mar 07 14:39:22 2007
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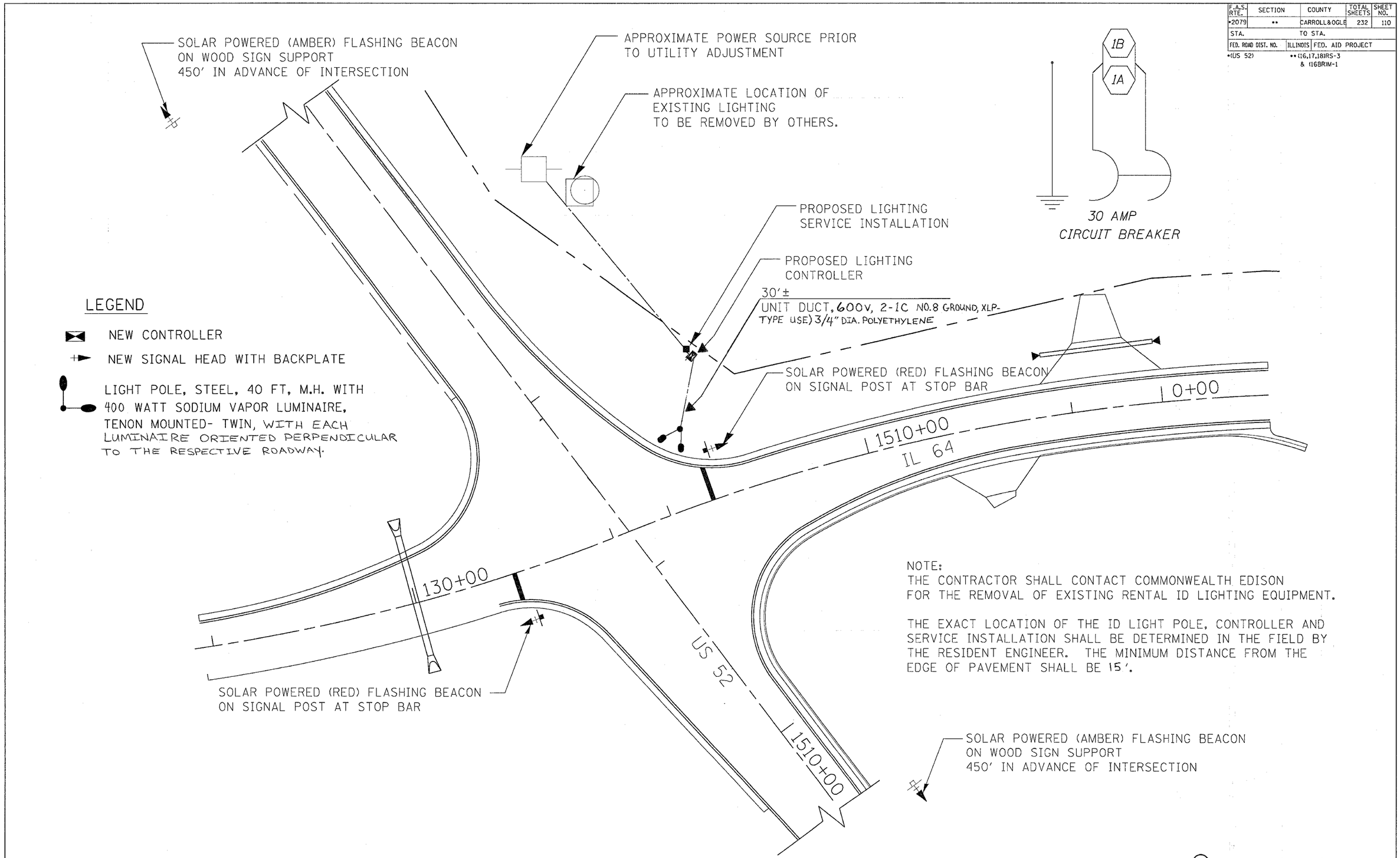
REFERENCE = REF

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL & OGLE	232	110
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52) **(16,17,18)RS-3 & (16BRM-1



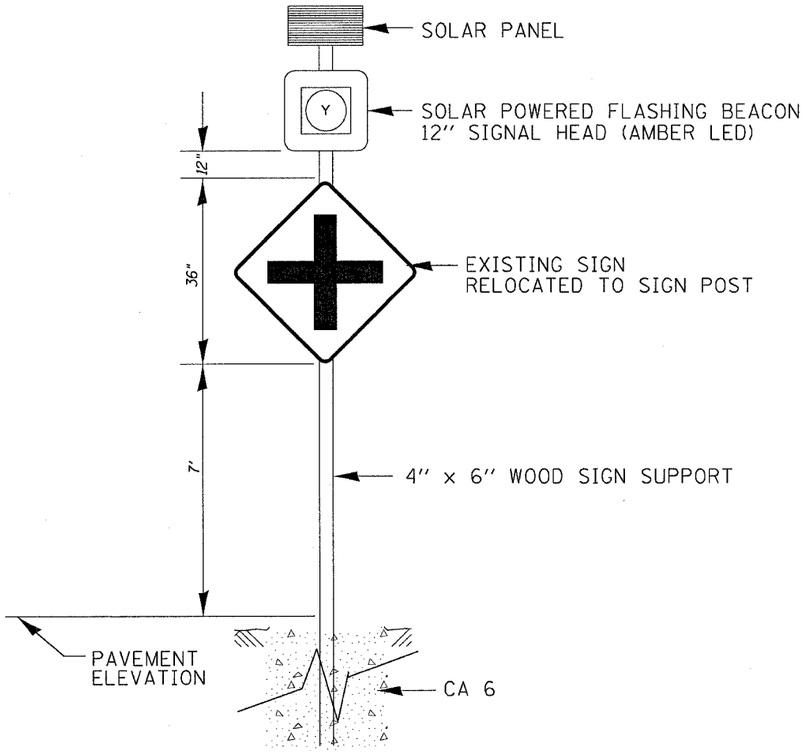
ILLINOIS DEPARTMENT OF TRANSPORTATION

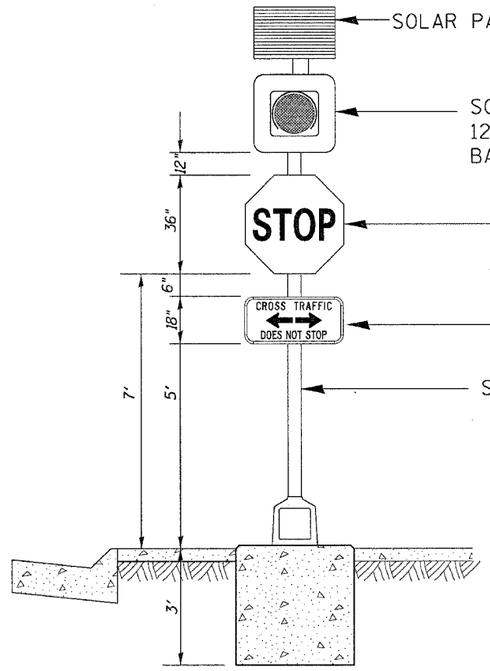
ID LIGHTING AND FLASHING BEACON PLANS

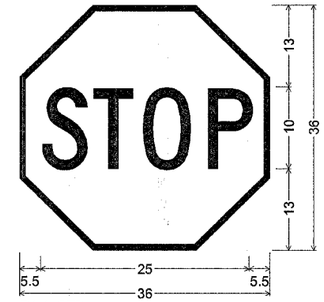
SOLAR POWER FLASHING BEACON AND SIGN DETAILS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	111
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

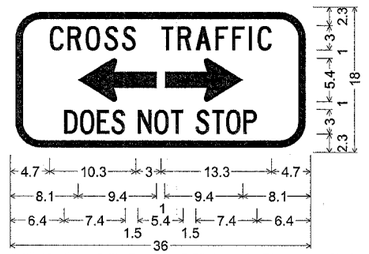
*(US 52) **(16,17,18)RS-3 & (16BR)M-1







R1-1 STD.;
0.8" Border, White on Red;
Type A (High Intensity) Sheeting
3 Pieces of Sign Fix Brand like material



3.8" Radius, 0.9" Border, 0.6" Indent, Black on White;
[CROSS TRAFFIC] C;
Standard Arrow Custom 9.4" X 5.4" 180°;
Standard Arrow Custom 9.4" X 5.4" 0°;
[DOES NOT STOP] C 50% spacing;
Type B (Engineering Grade) Sheeting
2 Pieces of Sign Fix Brand like material

NOTE:

THE CONTRACTOR SHALL SUPPLY ALL NECESSARY HARDWARE TO MOUNT THE SIGNS TO THE POST. THIS MOUNTING HARDWARE SHALL BE SIMILAR TO THE SIGN FIX BRAND MATERIAL.

NO FLASHING BEACON SIGNAL WORK SHALL BE ALLOWED TO BEGIN UNTIL ALL COMPONENTS TO COMPLETE THE WORK ARE ON THE JOB SITE.

ANY SIGN WHICH REQUIRES REMOVAL OR REMOVAL AND RE-ERECT WHICH IS NOT LISTED IN THESE PLANS SHALL BE COVERED UNDER ART 107.25 OF THE CURRENT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" MANUAL.

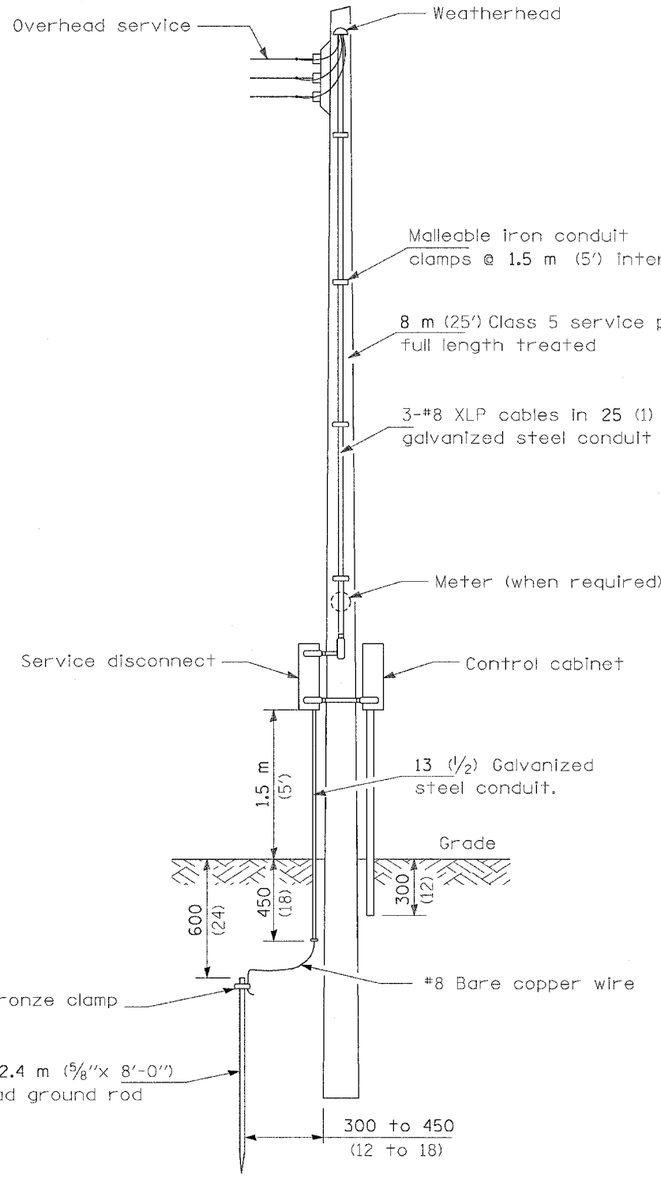
CONTACT KURT GLAZIER AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION 2 WEEKS PRIOR TO THE PLACEMENT OF SIGNS FOR STAKING AND APPROVAL

RELOCATE EXISTING "INTERSECTION AHEAD" SIGNS TO PROPOSED WOOD POST WITH SOLAR POWERED FLASHING BEACON.

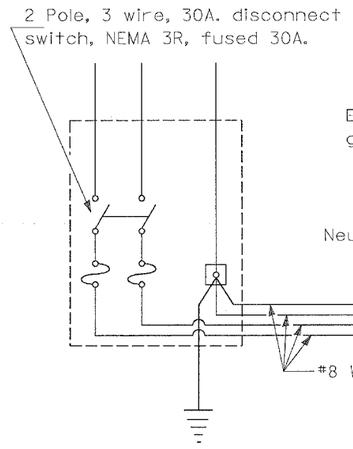
ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	112
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

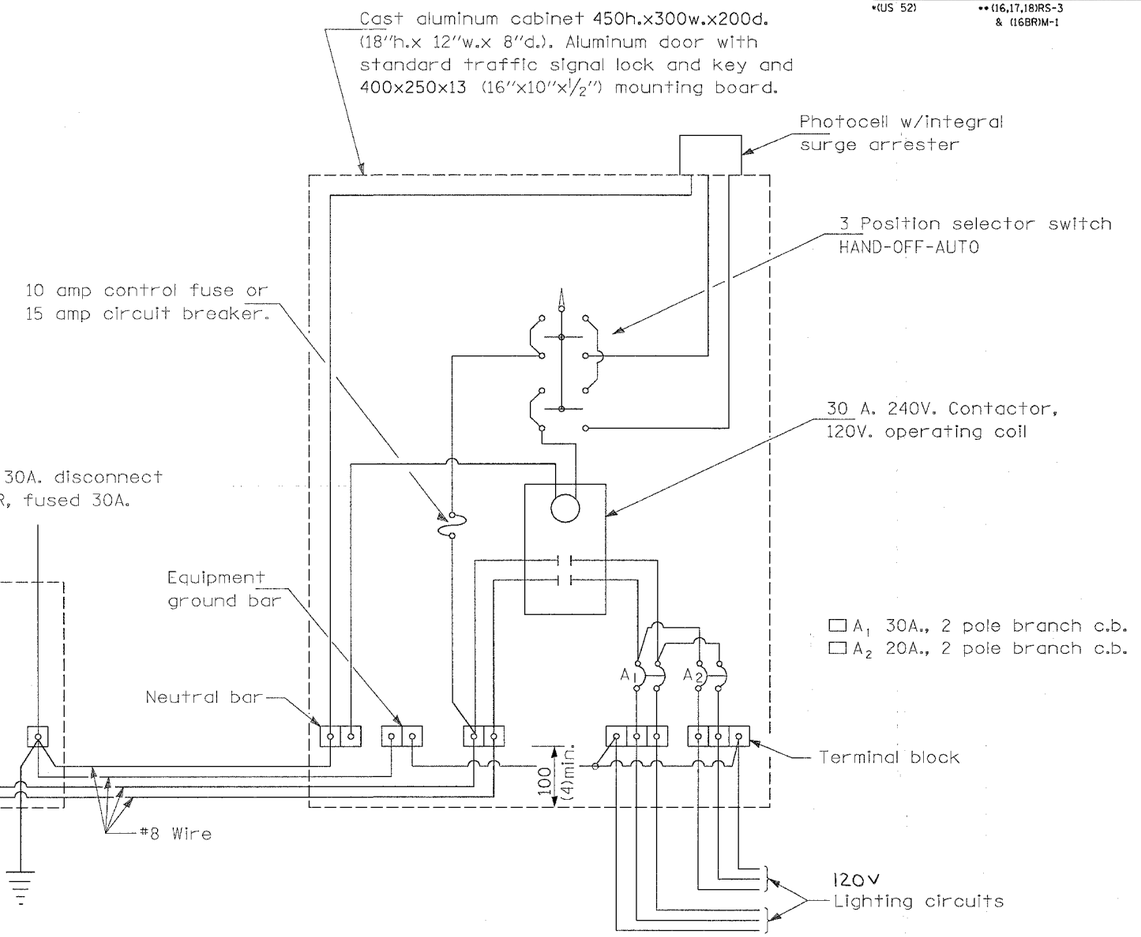
*(US 52) **(16,17,18)RS-3 & (16BR)M-1



SERVICE POLE
(OVERHEAD OR UNDERGROUND MAY BE USED)



DISCONNECT SWITCH



PHOTOCELL RELAY

GENERAL NOTES

All equipment shall be U.L. Listed.

All dimensions are in millimeters unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 1997

ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 1997

ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED

DATE	REVISIONS

CONTROL INSTALLATION SERVICE POLE MOUNTED

120/240V., 1 PHASE, 3 WIRE SERVICE

LGT003.M32

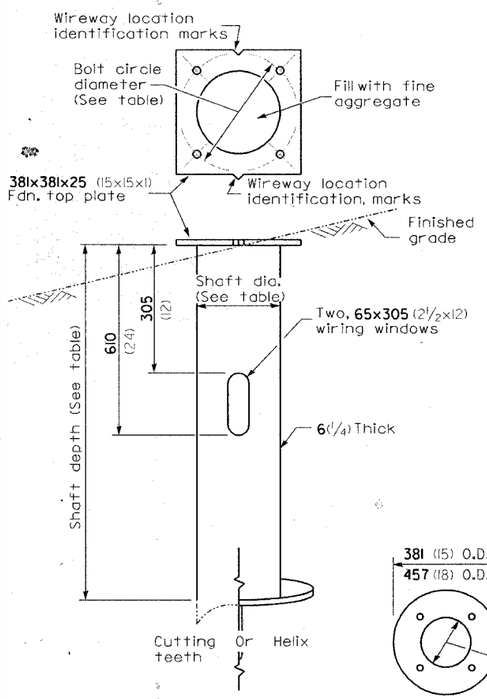
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	113
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*(US 52)		**(16,17,18)RS-3 & (16BR)M-1		

LIGHT POLE MOUNTING HEIGHT	BOLT CIRCLE DIAMETER	STEEL FOUNDATION SHAFT DIAMETER	STEEL FOUNDATION SHAFT DEPTH	CONCRETE FOUNDATION SHAFT DIAMETER	CONCRETE FOUNDATION SHAFT DEPTH	ANCHOR ROD LENGTH *
≤9.1 m (30')	292 mm (11½")	220 mm (8⅝")	1.83 m (6'-0")	610mm (24")	1.52 m (5'-0")	1.45 m (4'-9")
9.4 m - 10.7 m (31'-35')	292 mm (11½")	220 mm (8⅝")	1.83 m (6'-0")	610mm (24")	1.67 m (5'-6")	1.60 m (5'-3")
10.9 m - 12.2 m (36'-40')	381 mm (15")	220 mm (8⅝")	1.83 m ** (6'-0")	610mm (24")	1.83 m (6'-0")	1.75 m (5'-9")
12.5 m - 13.7 m (41'-45')	381 mm (15")	220 mm (8⅝")	1.83 m ** (6'-0")	610mm (24")	1.98 m (6'-6")	1.90 m (6'-3")
14.0 m - 15.2 m (46'-50')	381 mm (15")	220 mm (8⅝")	2.44 m (8'-0")	610mm (24")	2.13m (7'-0")	2.00 m (6'-9")

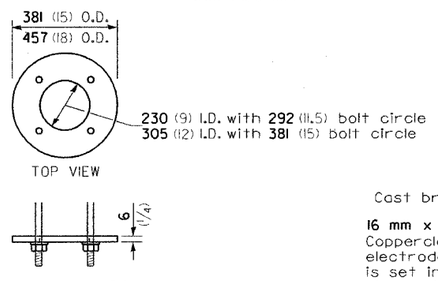
* Length does not include 100 (4) hook
** 220 mm x 2.44 m (8⅝"x 8'-0") for Twin luminaires

Notes:

All foundations are designed to be located on slopes not exceeding 2:1 where soils have an unconfined compressive strength of at least 1.0 TSF. The contractor shall verify the soil strength during drilling for concrete foundations or by monitoring installation resistance on steel foundations and notify the engineer if other conditions are encountered.

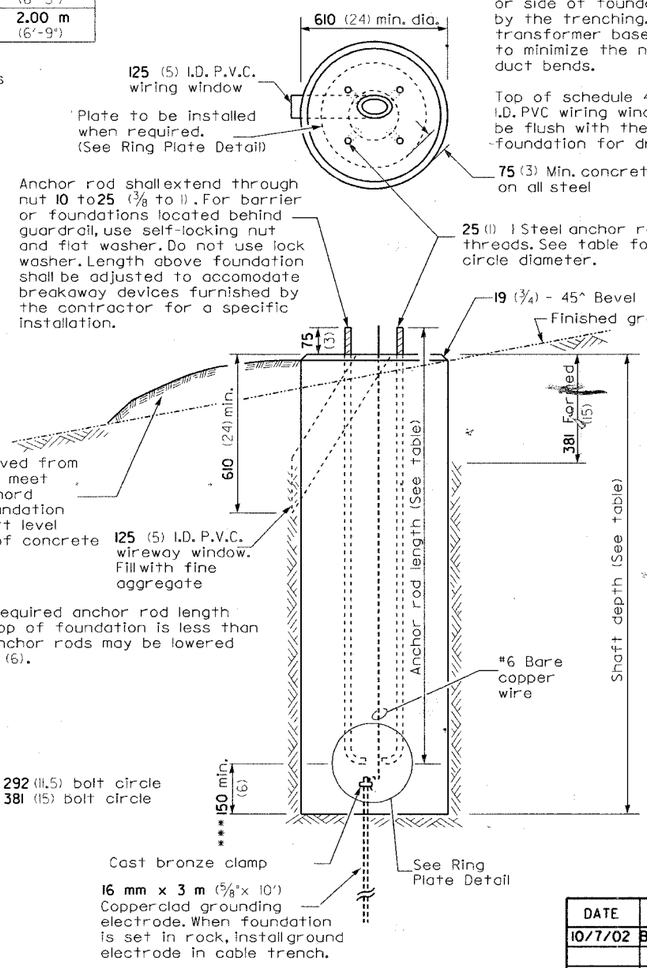


STEEL FOUNDATION



RING PLATE DETAIL

(When rock is encountered and foundation is shallower)

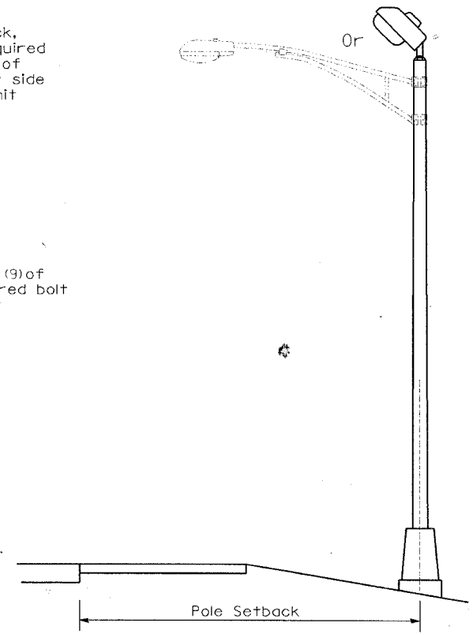


CONCRETE FOUNDATION

Notes:

Wireway may be on front, back, or side of foundation as required by the trenching. Place door of transformer base on wireway side to minimize the number of unit duct bends.

Top of schedule 40 PVC 125 (5) I.D. PVC wiring window, shall be flush with the top of foundation for drainage.



Pole Foundation Setback:

For horizontal mounted luminaires, setback shall be a minimum of 6.1m (20') from edge of pavement.

For vertical mount luminaires, setback shall be a minimum of 9 m (30') from edge of pavement. Poles shall be located 1.5 m (5') behind guardrail or other protective barriers, or as directed by the Engineer.

All dimensions are in millimeters (inches) unless otherwise shown.

DATE	REVISIONS
10/7/02	Bridge Office depth calc.

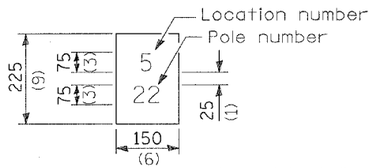
LIGHT POLE FOUNDATION

LGT007-836

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	114
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*(US 52)		**(16,17,18)RS-3 & (16BRM-1		

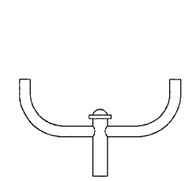
"Install and orient arm bracket over pole tenon and firmly hand tighten the two set screws. Use third hole in arm bracket as a guide to drill a 8.3 ($^{21}/_{64}$) diameter hole through tenon. Install and tighten self-tapping screw. Tighten set screws an additional ($^{1}/_{4}$ to $^{3}/_{8}$) turn with hex key (not provided). Install locknuts on set screws if threaded projection allows."

Pole shall meet AASHTO Standard Specifications for 128.72 km (80 mph) wind loading and 40.82 kg (90 lb.), .37 m^2 (4.0 sq. ft.) E.P.A. luminaire.

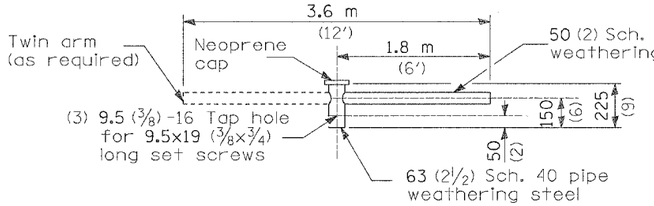


The contractor shall furnish and install a light pole identification of each new light pole, as shown above, incidental to the respective light pole pay item. The numerals shall be 75 (3) series "D", black, screened on silver-white type B pressure sensitive reflective sheeting conforming to the requirements of section T602.01 of the Standard Specifications for Traffic Control Items. The numerals shall conform to the FHWA "Standard Alphabets for Highway Signs".

The light pole identification shall be applied to sign base material as specified in section 1085.05 of the Standard Specifications, approximatey 180 (7) above the adjacent pavement grade visible to approaching traffic in accordance with Highway Standard 2319.

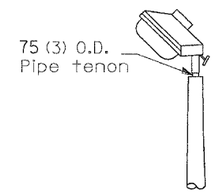


☒ TWIN TENON

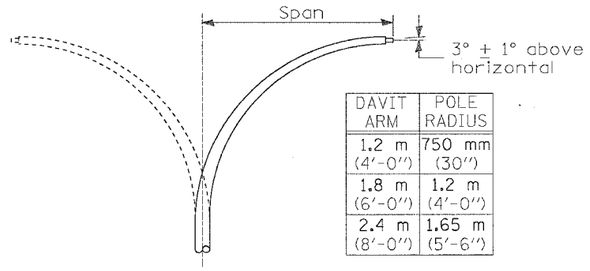


☐ TENON MOUNT BRACKET ARM

NOTE: Single or twin arm assembly shall be tilted 3° above horizontal.



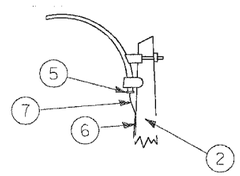
☒ TENON



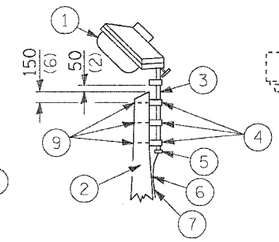
DAVIT ARM	POLE RADIUS
1.2 m (4'-0")	750 mm (30")
1.8 m (6'-0")	1.2 m (4'-0")
2.4 m (8'-0")	1.65 m (5'-6")

☐ DAVIT ARM (and or)

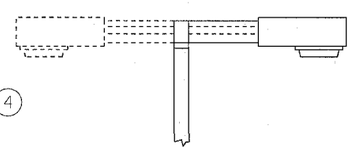
☐ DAVIT ARM-TWIN



☐ MAST ARM



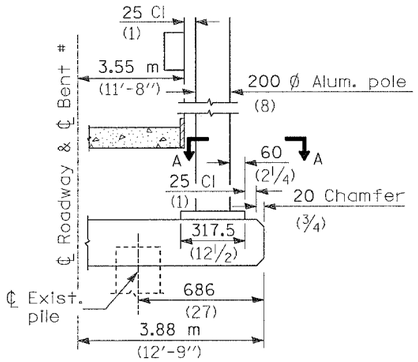
☐ TENON



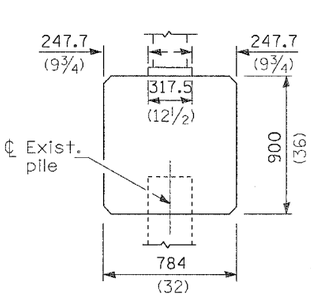
☐ SHORT BRACKET

☐ SHORT BRACKET - TWIN

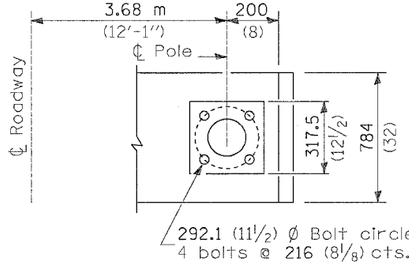
① Luminaire
② Wood pole, class 3 or better
③ 63 (2 1/2) Galv. steel conduit
④ Single offset pole band
⑤ Conduit bushing
⑥ Cable clamps on 600 (24) centers
⑦ 2/c #12 Type use cable
⑧ 25 (1) Galv. steel conduit 3.0 m (10') in length
⑨ 16 (5/8) Ø hot dipped galvanized bolt with flat washer & locknut (3 req'd)
⑩ Conduit clamps on 900 (36) centers
⑪ Unit duct
⑫ Threaded reducer
⑬ "C" Conduiet, threaded
⑭ 40 (1 1/2) Galv. steel conduit for 1 unit duct or 75 (3) galv. steel conduit for 2 or 3 unit ducts.



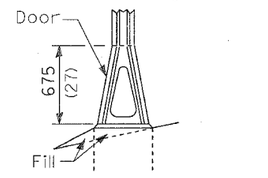
BENT # (Looking)



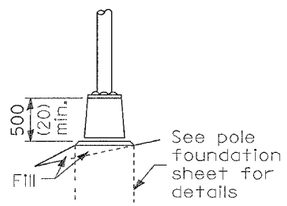
☐ BRIDGE PIER MOUNT



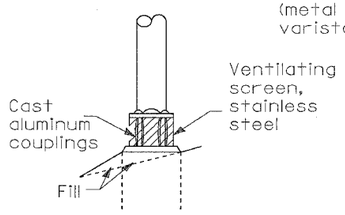
SECTION A-A



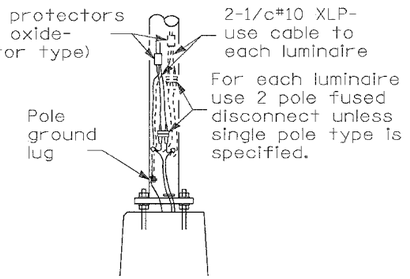
☐ STAINLESS STEEL FLAIR BASE



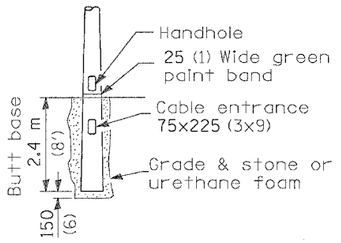
☐ TRANSFORMER BASE



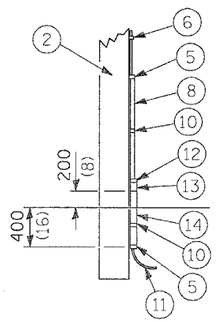
☒ BREAKAWAY COUPLING



☐ ANCHOR



☐ BUTT BASE



☐ POLE, WOOD

POLE LENGTH	DEPTH IN GROUND
19.8 m (65')	3.6 m (12')
18.0 m (60')	3.0 m (10')
16.8 m (55')	2.7 m (9')
16.0 m (50')	2.4 m (8')
13.7 m (45')	2.1 m (7')
12.0 m (40')	2.0 m (6.5')
10.7 m (35')	1.8 m (6')
9.0 m (30')	1.7 m (5.5')

All dimensions are in millimeters (inches) unless otherwise shown.

☒ FRANGIBLE

☒ METAL OR ☐ CONCRETE

Details for underground distribution if required

DATE	REVISIONS

POLE STANDARDS

LGT008.M32

DETOUR ROUTE

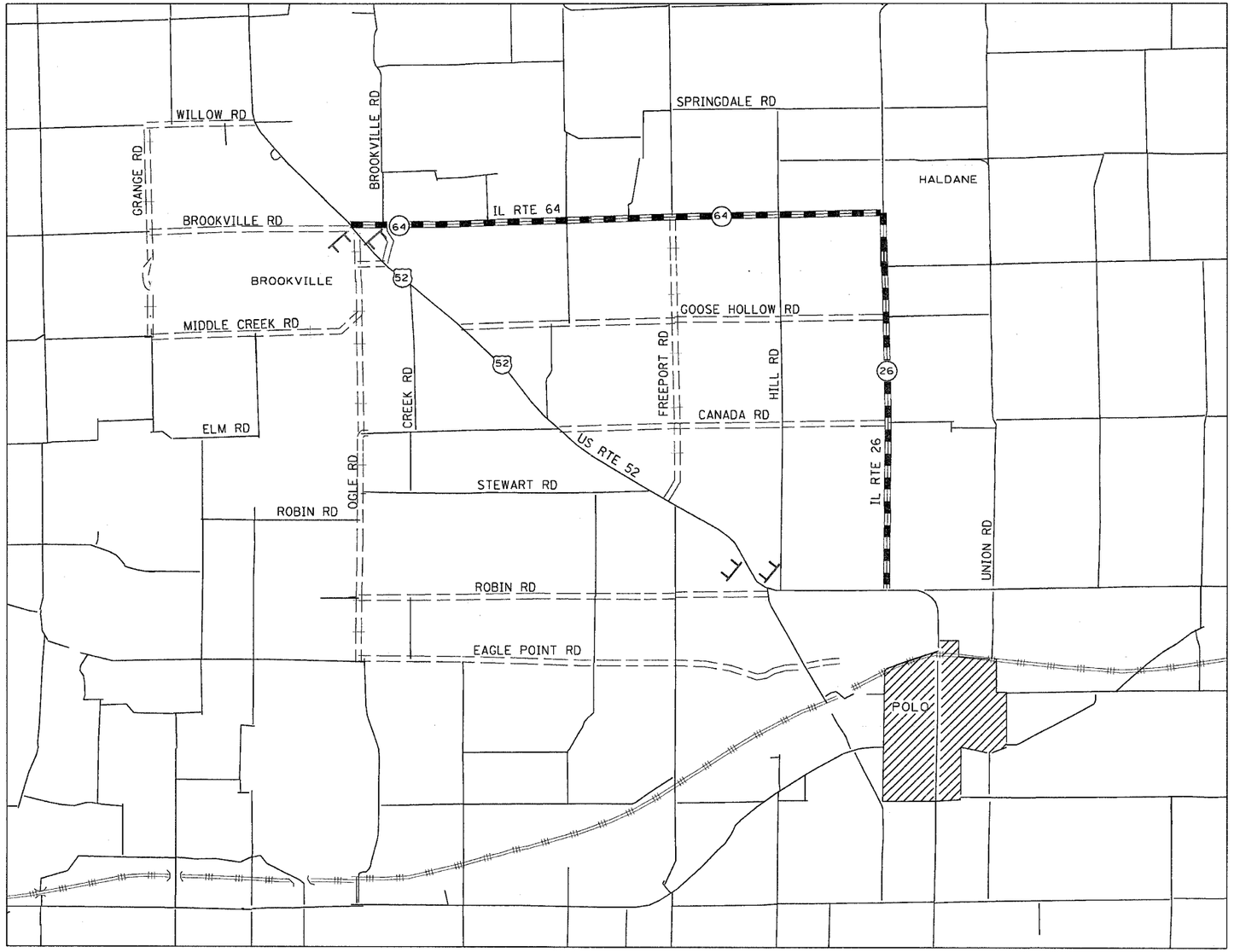
CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	115
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52) **(16,17,18)RS-3 & (16BRM-1

N

CLOSURE 1 ON US RTE 52
DETOUR ON IL RTE 64 AND IL RTE 26 FOR 9 MILES



LEGEND

- TYPE III BARRICADE W/STEADY BURNING MONODIRECTIONAL LIGHTS
- DETOUR ROUTE
- GOOD NEIGHBOR ROUTE

0 50' 100'

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

FAS ROUTE 2079 (US 52)
SECTION (16,17,18)RS-3 & (16BR)M-1
CARROLL & OGLE COUNTIES

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

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USER NAME = dossdd

DETOUR ROUTE

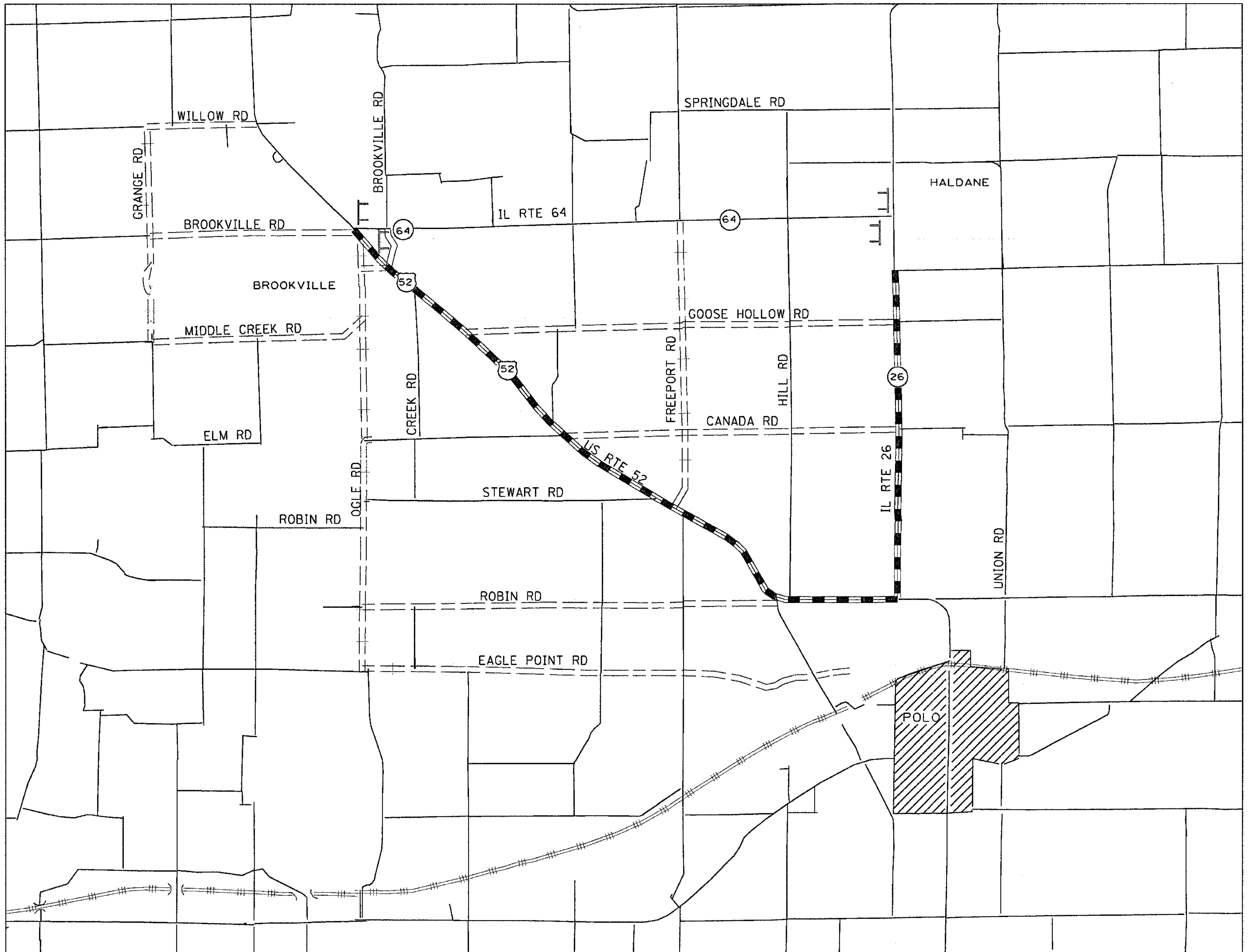
CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	116
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52) **(16,17,18)RS-3 & (16BR)M-1

DETOUR ROUTE

CLOSURE 2 ON IL RTE 64
DETOUR ON US RTE 52 AND IL RTE 26 FOR 9 MILES



LEGEND

TYPE III BARRICADE W/STEADY BURNING MONODIRECTIONAL LIGHTS

DETOUR ROUTE

GOOD NEIGHBOR ROUTE

0 50' 100'

N

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

FAS ROUTE 2079 (US 52)
SECTION (16,17,18)RS-3 & (16BR)M-1
CARROLL & OGLE COUNTIES

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

DETOUR ROUTE

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USER NAME = dossdd

BORING LOGS

Illinois Department of Transportation — SOIL BORING LOG (B-1a)

Division of Highways
IDOT

Page 1 of 1

Date 2/15/00

ROUTE FAU 2079 DESCRIPTION P-92-026-85 US 52 over ditch, 0.5 mile west of Stewart Road LOGGED BY B. Montgomery

SECTION (16, 17, 18) W & RS LOCATION Eagle Point Twp - NW, SEC. 1, TWP. 23N, RNG. 7E

COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. ______
Station 178+70

BORING NO. B-1a
Station 179+85
Offset 8.00ft Lt
Ground Surface Elev. 99.8 ft

Surface Water Elev. N/A ft
Stream Bed Elev. 89.8 ft

Groundwater Elev.:
First Encounter ______ ft
Upon Completion Dry ft
After ______ Hrs. ______ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Asphalt Concrete MEDIUM brown SILTY CLAY LOAM	97.30			0.5 P	29
HARD Same as above	95.80		3 4 5	7.0 B	28
		-5			
MEDIUM black Same as above	93.30		3 2 3	0.5 P	28
MEDIUM Same as above	90.80		3 3 3	0.8 B	39
		-10			
MEDIUM Same as above	88.30		3 2 3	0.8 B	29
VERY STIFF Same as above	85.80		3 4 4	2.5 B	25
		-15			
MEDIUM Same as above	83.30		3 3 4	0.8 B	25
MEDIUM tan SILTY CLAY TILL	80.30		1 1 2	0.8 B	30
		-20			
VERY DENSE weathered LIMESTONE with SAND lenses HARD DRILLING	78.30		8 11 60		
VERY DENSE tan weathered LIMESTONE Auger Refusal	75.80		100/1"		
End of Boring					
		-25			
		-30			
		-35			
		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation — SOIL BORING LOG (B-1b)

Division of Highways
IDOT

Page 1 of 1

Date 2/8/00

ROUTE FAU 2079 DESCRIPTION P-92-026-85 US 52 over ditch, 0.1 mile east of Stewart Road LOGGED BY B. Montgomery

SECTION (16, 17, 18) W & RS LOCATION Eagle Point Twp - NE, SEC. 1, TWP. 23N, RNG. 7E

COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. ______
Station 203+50

BORING NO. B-1b
Station 203+30
Offset 10.00ft Rt
Ground Surface Elev. 99.6 ft

Surface Water Elev. 92.5 ft
Stream Bed Elev. ______ ft

Groundwater Elev.:
First Encounter 69.6 ft ▼
Upon Completion 70.1 ft ▽
After ______ Hrs. ______ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Asphalt/Gravel Concrete MEDIUM brown LOAM, very crumbly	97.10			0.5 E	23
HARD brown CLAY LOAM	95.60		3 3 4	6.5 B	23
		-5			
MEDIUM black SILTY LOAM, very fragmented	93.10		3 3 4	0.5 P	35
STIFF, Same as above, very fragmented	90.60		2 3 5	1.5 P	30
		-10			
STIFF, Same as above	88.10		3 4 6	1.5 P	32
MEDIUM brown SILTY LOAM			2 3 3	0.6 S	26
		-15			
	83.10		2 3 3	0.8 B	26
MEDIUM SILTY CLAY TILL			1 1 2	0.6 B	20
		-20			
MEDIUM SILTY CLAY TILL (continued)			4 6 7	0.8 B	15
			3 4 4	0.8 B	14
		-25			
			6 8 7	1.6 B	14
			3 3 3	0.8 B	21
	70.10 ▽	▼ -30			
VERY DENSE tan weathered LIMESTONE, hard drilling	67.10		7 22 70		
VERY DENSE tan weathered LIMESTONE	65.60		100/0"		
End of Boring					
		-35			
		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

BORING LOGS

Illinois Department of Transportation — SOIL BORING LOG (B-2a)

Division of Highways
IDOT

Page 1 of 1

Date 2/23/00

ROUTE FAU 2079 DESCRIPTION P-92-026-85 US 52 over ditch, 0.5 mile west of Stewart Road LOGGED BY W. Garza

SECTION (16, 17, 18) W & RS LOCATION Eagle Point Twp - NW, SEC. 1, TWP. 23N, RNG. 7E

COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. ______
Station 178+70

BORING NO. B-2a
Station 178+60
Offset 8.00ft Rt
Ground Surface Elev. 99.6 ft

Surface Water Elev. N/A ft
Stream Bed Elev. 89.8 ft

Groundwater Elev.:
First Encounter ______ ft
Upon Completion Dry ft
After ______ Hrs. ______ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Asphalt Concrete	97.60				
STIFF gray tan SILTY CLAY LOAM	96.10		3 2 4	1.25 P	27
MEDIUM/STIFF gray SILTY LOAM with wood fragments	93.60	-5	2 2 3	1.0 P	26
STIFF dark gray SILTY LOAM	91.10		1 2 3	1.25 P	36
STIFF dark gray SILTY CLAY LOAM	88.60	-10	3 3 5	1.24 B	25
VERY STIFF gray dark brown SILTY CLAY TILL	86.10		3 4 6	2.47 B	23
MEDIUM gray SILTY CLAY TILL	83.10	-15	2 2 4	0.91 B	25
LOOSE/MEDIUM tan weathered LIMESTONE, top 6" SILTY CLAY TILL	81.10		3 4 6		
		-20			
VERY DENSE tan weathered LIMESTONE (continued)	78.60		100/11"		
Auger Refusal	77.10				
End of Boring					
		-25			
		-30			
		-35			
		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation — SOIL BORING LOG (B-2b)

Division of Highways
IDOT

Page 1 of 1

Date 2/23/00

ROUTE FAU 2079 DESCRIPTION P-92-026-85 US 52 over ditch, 0.1 mile east of Stewart Road LOGGED BY W. Garza

SECTION (16, 17, 18) W & RS LOCATION Eagle Point Twp - NE, SEC. 1, TWP. 23N, RNG. 7E

COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. ______
Station 203+50

BORING NO. B-2b
Station 203+62
Offset 8.00ft Lt CL EB
Ground Surface Elev. 99.6 ft

Surface Water Elev. 92.5 ft
Stream Bed Elev. 92.5 ft

Groundwater Elev.:
First Encounter 95.1 ft ▼
Upon Completion 74.0 ft ▽
After ______ Hrs. ______ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Asphalt Concrete wet mud/gravel	97.60				
STIFF brown tan SILTY CLAY LOAM	96.10		3 3 8	1.25 P	24
STIFF brown CLAY LOAM with limestone lens	93.60	▼ -5	3 3 5	2.0 P	22
STIFF dark gray SILTY CLAY LOAM	91.10		4 5 6	2.0 P	20
MEDIUM brown SILTY CLAY LOAM	88.60	-10	2 2 3	1.0 P	29
STIFF Same as above	86.10		3 3 5	1.81 B	26
LOOSE rust dirty SAND, top 6" SILT	83.60	-15	2 4 4	1.25 P	24
VERY SOFT tan SILTY TILL with SAND	80.60		2 1 1	0.0 P	
		-20			
MEDIUM tan weathered LIMESTONE (continued)	78.60		3 6 7		
DENSE tan weathered LIMESTONE, bottom 6" SAND	75.60		5 42 7		
STIFF tanish yellow SILTY CLAY TILL	73.10	-25 ▽	1 2 4	1.32 B	15
VERY DENSE tan weathered LIMESTONE	71.50		100/13"		
End of Boring					
		-30			
		-35			
		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

FAS ROUTE 2079 (US 52)
SECTION (16,17,18)RS-3 & (16BR)M-1
CARROLL & OGLE COUNTIES

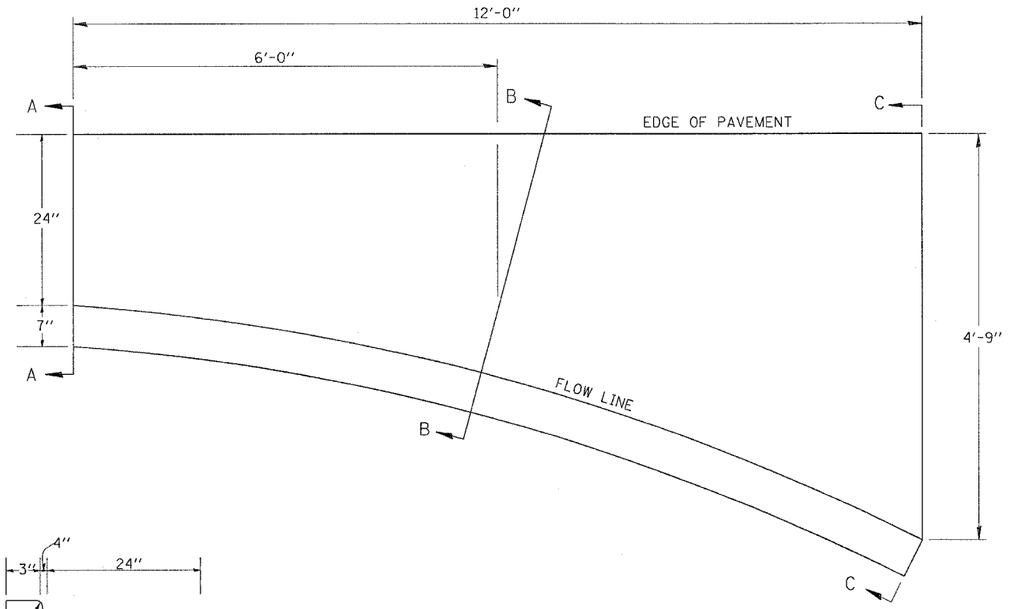
SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

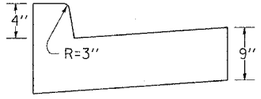
CONTRACT NO. 64237

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	119
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

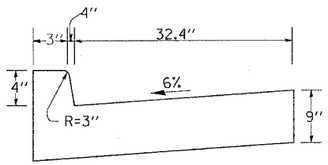
*(US 52) **(16,17,18)RS-3 & (16BR)M-1

STANDARD INLET FOR CURB & GUTTER TYPE M–4.24 DETAIL





SECTION A-A



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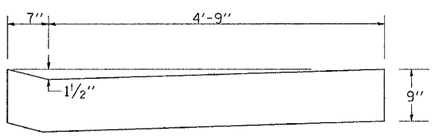


SECTION C-C

NOTES

Class SI Concrete shall be used throughout.

The Curb and Gutter inlet will be paid for at the contract unit price per cubic yard for Class SI Concrete (OUTLETS).

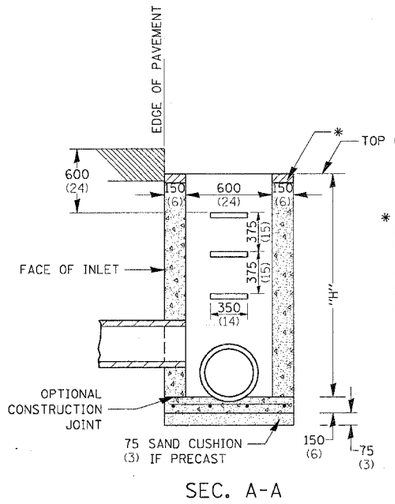
Joints shall be constructed in accordance with the requirementsof Article 606.06 of the Standard Specifications.

When curb and gutter is constructed adjacent to flexible pavement, a 1" expansion joint shall be installed at construction joints.

- QUANTITY -

Section A-A to C-C
(1.20 Cu. Yds.)
Class SI Concrete

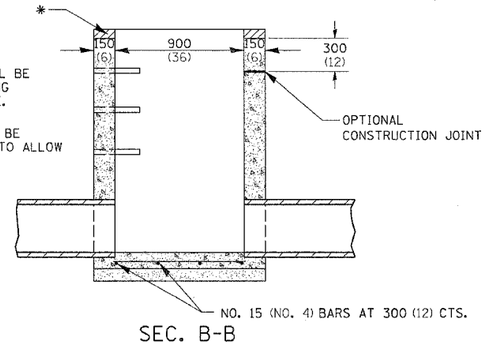
INLETS SPECIAL, WITH SPECIAL FRAME AND GRATE



SEC. A-A

* THE WALL ADJUSTMENTS SHALL BE MADE WITH CONCRETE BUILDING BRICK OR CLASS SI CONCRETE.

THE HEIGHT OF THE BOX MAY BE CONSTRUCTED 150 (6) SHORT TO ALLOW FOR FIELD ADJUSTMENTS.



SEC. B-B

NOTES

SEE STANDARD 602701 FOR DETAILS OF STEPS.

EXCEPT AS NOTED HEREON INLETS SPECIAL, WITH SPECIAL FRAME AND GRATE SHALL BE CONSTRUCTED IN ACCORDANCE WITH SETION 602 OF THE STANDARD SPECIFICATIONS.

THE SIDE WALLS MAY BE BUILT AS PRECAST SEGMENTED SECTIONS.

ALL VOIDS AROUND PIPE ENTRANCE, BOTH INSIDE AND OUTSIDE, SHALL BE SEALED WITH MORTAR.

WEIGHT OF CAST IRON FRAME & GRATE = 240 kg (530 lbs.) ± .
STEPS SHALL BE OMITTED WHEN DEPTH OF "H" IS LESS THAN 1.5 m (5 ft) .

FRAME AND GRATE TO CONFORM TO NEENAH R-3246-AB.

THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR INLETS SPECIAL, WITH SPECIAL FRAME AND GRATE AND SHALL INCLUDE ALL LABOR AND MATERIAL NECESSARY TO COMPLETE THE WORK

THERE SHALL BE A 4' TRANSITION IN MOUNTABLE CURB AND GUTTER TO THE SPECIAL FRAME AND GRATE ON BOTH SIDES OF THE INLET. .

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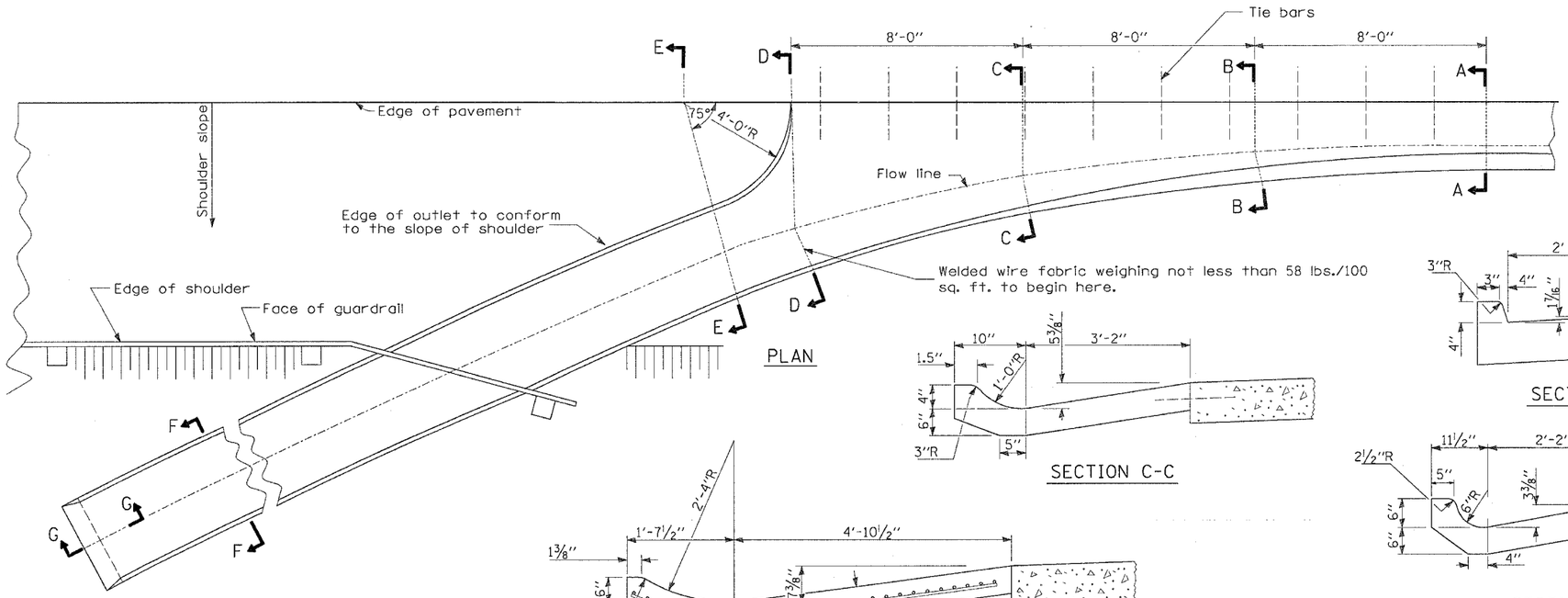
CONTRACT NO. 64237

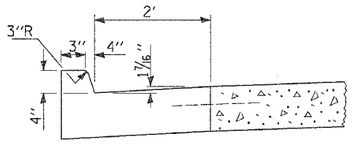
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	120
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52) **(16,17,18)RS-3 & (16BR)M-1

GUTTER OUTLET ADJACENT TO STABILIZED SHOULDERS DETAIL



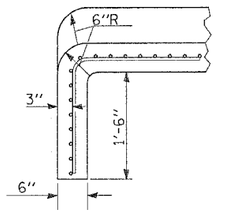
SECTION C-C



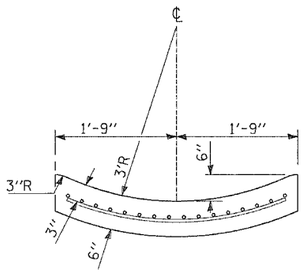
SECTION A-A

SECTION B-B

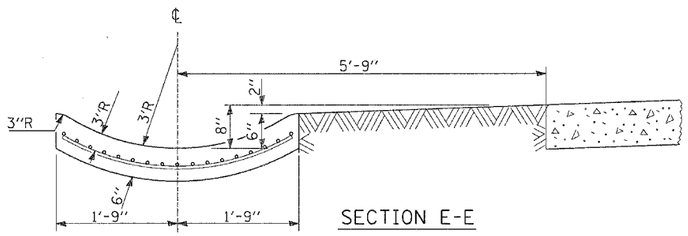
SECTION D-D



SECTION G-G



SECTION F-F



SECTION E-E

QUANTITIES

For Section A-A to E-E and curtain wall =

2.12 cu. yds. concrete for 9" pav't.

For Section F-F =

0.069 cu. yds. concrete per ft.

GENERAL NOTES

Tie bars shall be No. 6 at 24" centers unless otherwise shown.

Gutter outlet shall be tied to the pavement in accordance with details for longitudinal construction joint shown on Standard 420001.

If the average grade of pavement for the distance from Section A-A to D-D exceeds 2%, this distance shall be increased 6 feet for each 1% increase in grade.

OUTLETS FOR CONC. CURB AND GUTTER TYPE M 4.24

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GUTTER OUTLET DETAIL

CONTRACT NO. 64237

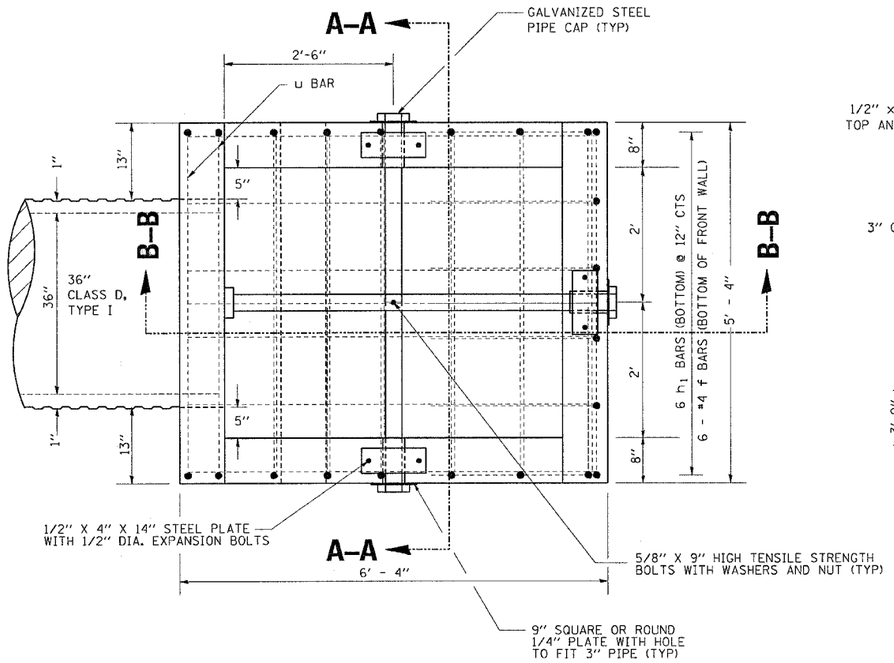
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	121
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

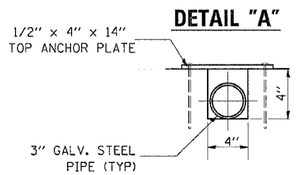
*(US 52) **(16,17,18)RS-3 & (16BR)M-1

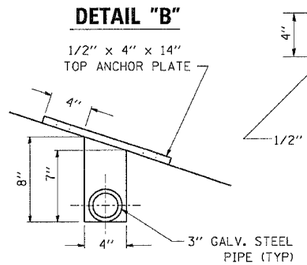
DROP BOX NO. 1

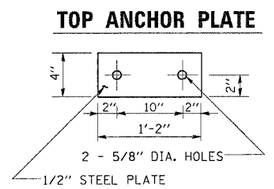
LT STA. 130+00 (BROOKVILLE ROAD)

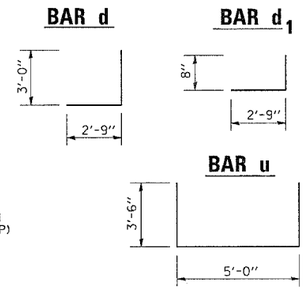
PLAN

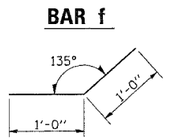


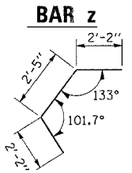












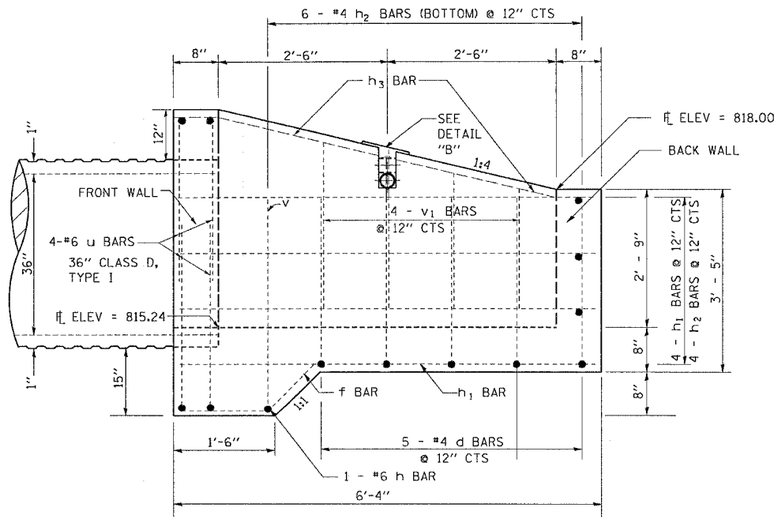
BILL OF MATERIALS
(FOR REINFORCEMENT)

BAR	SIZE	NO.	LENGTH	WEIGHT (LB)
d	#4	16	5'-9"	61.46
d_1	#4	2	3'-5"	4.56
f	#4	6	2'-0"	8.02
h	#6	1	5'-0"	7.51
h_1	#4	12	6'-0"	48.10
h_2	#4	8	5'-0"	26.72
h_3	#4	4	2'-10"	7.57
u	#6	4	12'-0"	72.10
v	#4	2	3'-0"	4.01
v_1	#4	8	2'-6"	13.36
z	#4	2	6'-9"	9.02
DESCRIPTION			UNIT	QTY
CLASS "SI" CONCRETE			CU YD	2.25
REINFORCEMENT BARS			LB	262.48

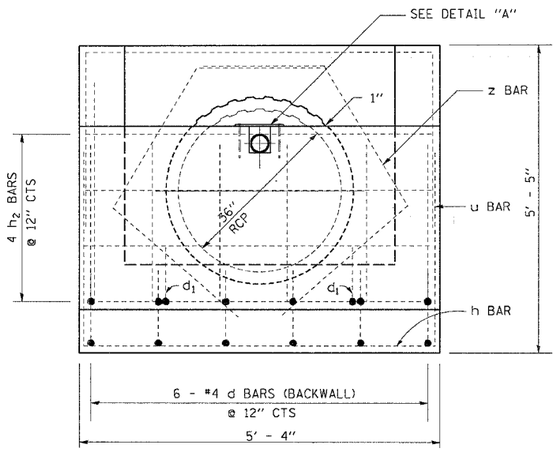
BILL OF MATERIALS
(FOR GRATED DROP BOX No. 1

DESCRIPTION	UNIT	QTY.
3" GALVANIZED STEEL PIPE	FOOT	1 @ 5'-4"
	FOOT	1 @ 5'-8"
3" GALV PIPE CAPS	EACH	3
1/4" GALV. STEEL PLATE (9" NOMINAL)	EACH	3
1/2" x 4" x 14" GALV. STEEL PLATE	EACH	3
5/8" x 9" GALV. STEEL BOLTS	EACH	1
EXPANSION BOLTS 1/2"Ø	EACH	6

SECTION B–B



SECTION A–A



GENERAL NOTES:

THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR DROP BOX NO. 1.

SLOPE FLOW LINE FOR DROP BOX NO. 1 IS THE SAME RATE AS THE FLOW LINE OF THE PIPE.

BOLTS, NUTS, AND WASHERS SHALL BE IN ACCORDANCE WITH ARTICLE 1006.08 OF THE STANDARD SPECIFICATION AND SHALL BE GALVANIZED.

STEEL PIPES SHALL CONFORM TO A.S.T.M. A-53 (TYPE E OR S) GRADE B, SCHEDULE 40, AND SHALL BE GALVANIZED CONFORMING TO A.S.T.M. A-120. CONTRACTOR SHALL FIELD VERIFY PIPE LENGTH.

STEEL PLATES SHALL CONFORM TO AASHTO M-183 AND SHALL BE GALVANIZED CONFORMING TO AASHTO M-111.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 31 OR M 322, GRADE 40 OR 60.

SEE PLAN AND PROFILE SHEET FOR MORE INFORMATION.
SEE CROSS SECTION SHEET FOR MORE INFORMATION.

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CONTRACT NO. 64237

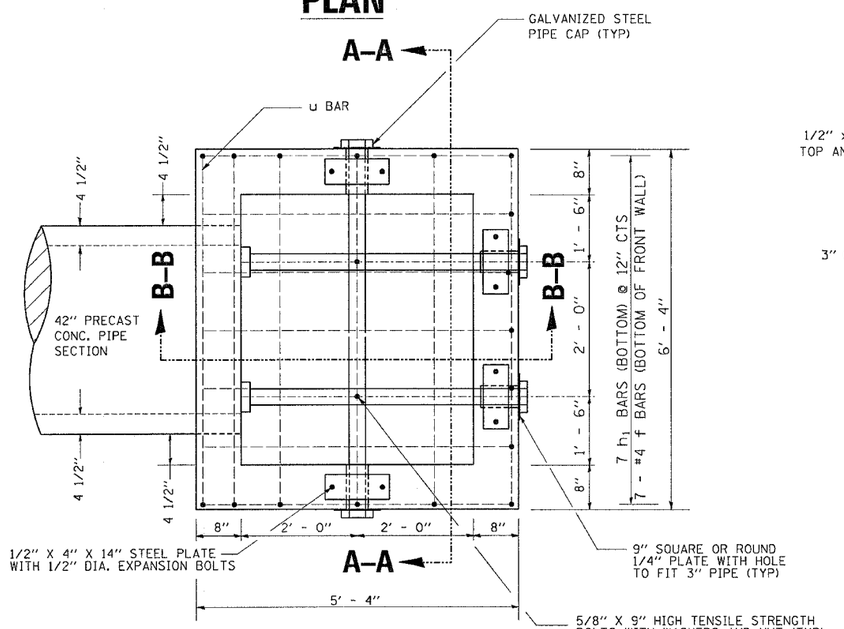
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	122
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52) **(16,17,18)RS-3 & (16BR)M-1

DROP BOX NO. 2

RT STA. 8+00 (US 52)

PLAN



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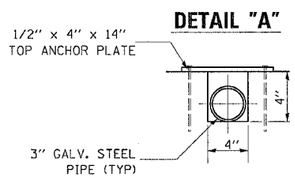

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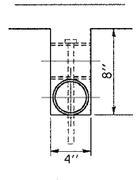
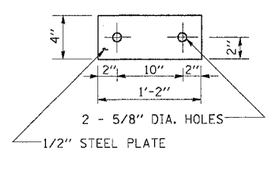
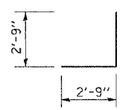


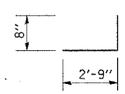
TOP ANCHOR PLATE



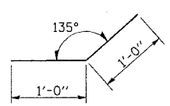
BAR d



BAR d_1



BAR f



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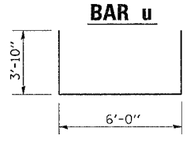
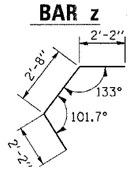
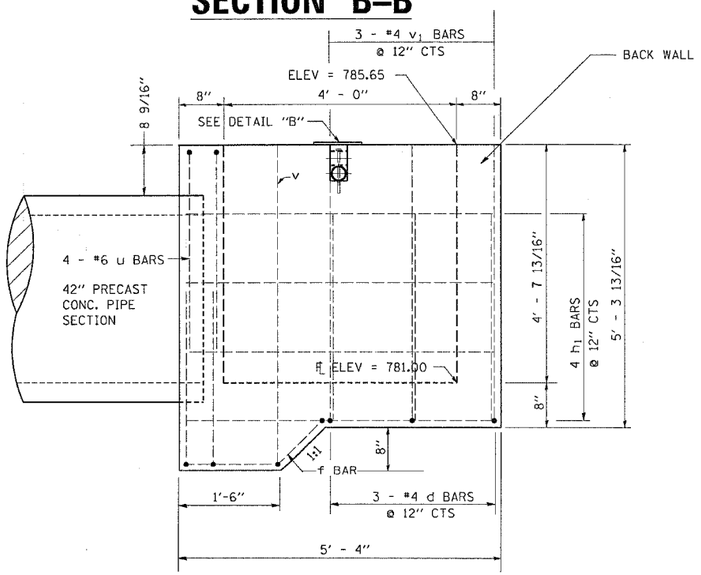


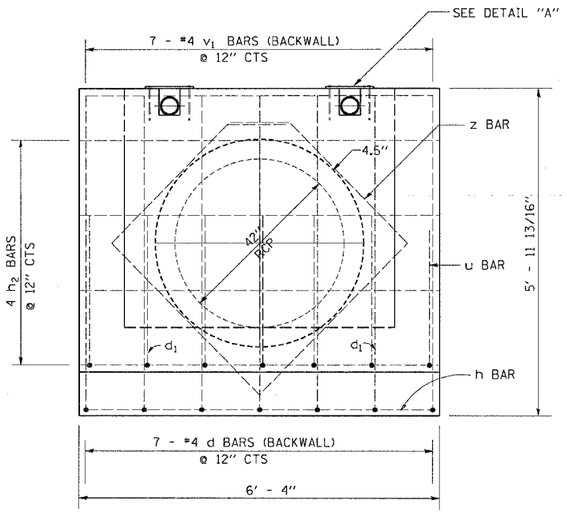
BAR z



SECTION B–B



SECTION A–A



BILL OF MATERIALS
(FOR REINFORCEMENT)

BAR	SIZE	NO.	LENGTH	WEIGHT (LB)
d	#4	15	5'-6"	55.11
d_1	#4	2	3'-5"	4.56
f	#4	7	2'-0"	9.35
h	#6	1	6'-0"	9.01
h_1	#4	15	5'-0"	50.1
h_2	#4	5	6'-0"	20.04
u	#6	4	13'-8"	82.11
v	#4	2	5'-8"	7.57
v_1	#4	17	4'-0"	45.42
z	#4	2	7'-0"	9.35
DESCRIPTION			UNIT	QTY
CLASS "SI" CONCRETE			CU YD	3.21
REINFORCEMENT BARS			LB	292.62

BILL OF MATERIALS
(FOR GRATED DROP BOX No. 2)

DESCRIPTION	UNIT	QTY.
3" GALVANIZED STEEL PIPE	FOOT	1 @ 6'-4"
	FOOT	2 @ 5'-4"
3" GALV PIPE CAPS	EACH	4
1/4" GALV. STEEL PLATE (9" NOMINAL)	EACH	4
1/2" x 4" x 14" GALV. STEEL PLATE	EACH	4
5/8" x 9" GALV. STEEL BOLTS	EACH	2
EXPANSION BOLTS 1/2"Ø	EACH	8

GENERAL NOTES:

THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR DROP BOX NO. 2.

SLOPE FLOW LINE FOR DROP BOX NO. 2 IS THE SAME RATE AS THE FLOW LINE OF THE PIPE.

BOLTS, NUTS, AND WASHERS SHALL BE IN ACCORDANCE WITH ARTICLE 1006.08 OF THE STANDARD SPECIFICATION AND SHALL BE GALVANIZED.

STEEL PIPES SHALL CONFORM TO A.S.T.M. A-53 (TYPE E OR S) GRADE B, SCHEDULE 40, AND SHALL BE GALVANIZED CONFORMING TO A.S.T.M. A-120. CONTRACTOR SHALL FIELD VERIFY PIPE LENGTH.

STEEL PLATES SHALL CONFORM TO AASHTO M-183 AND SHALL BE GALVANIZED CONFORMING TO AASHTO M-111.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 31 OR M 322, GRADE 40 OR 60.

SEE PLAN AND PROFILE SHEET FOR MORE INFORMATION.
SEE CROSS SECTION SHEET FOR MORE INFORMATION.

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CONTRACT NO. 64237

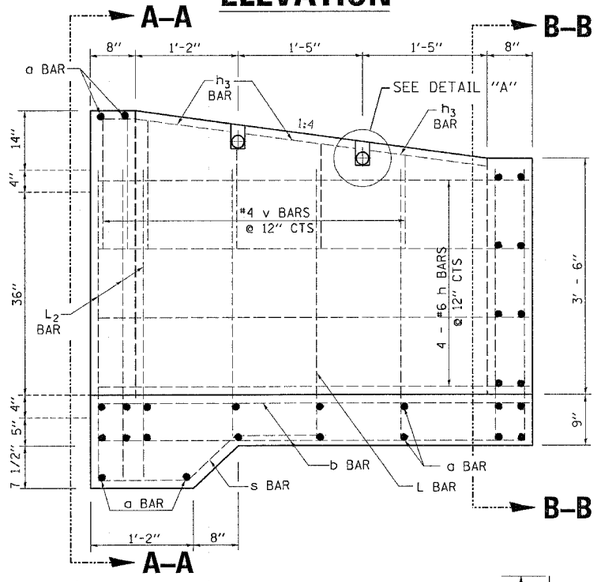
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	123
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

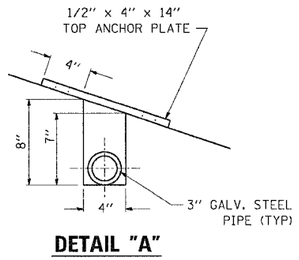
*(US 52) **(16,17,18)RS-3 & (16BR)M-1

DROP BOX NO. 3

RT STA 178+82 (US 52)

ELEVATION





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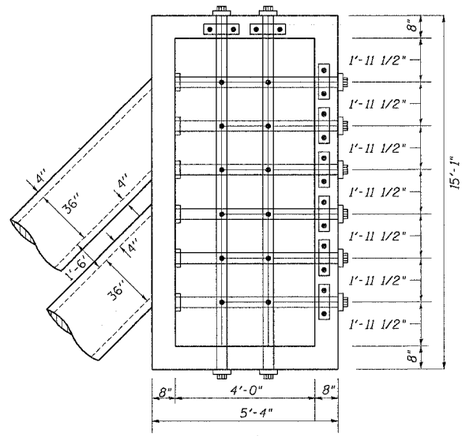
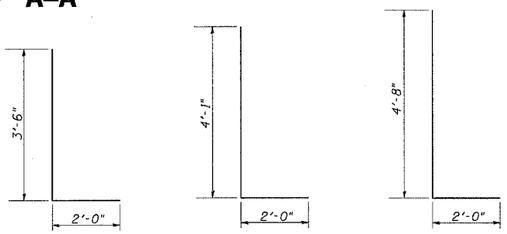
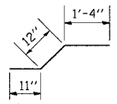




BAR L BAR L_1 BAR L_2



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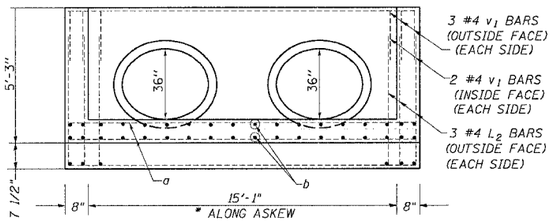
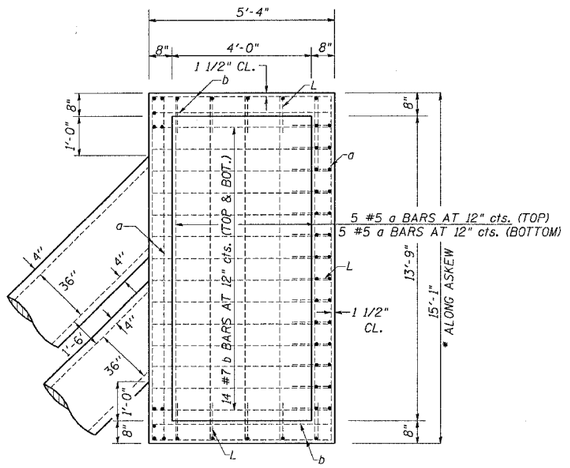
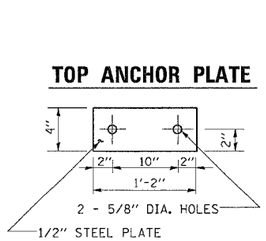
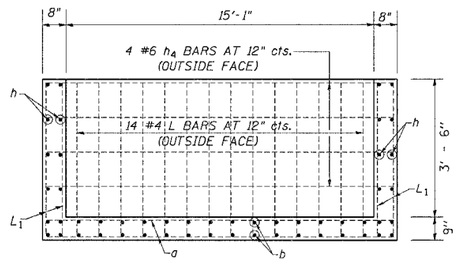


SECTION A–A



PLAN





SECTION B–B

BILL OF MATERIALS
(FOR REINFORCEMENT)

BAR	SIZE	NO.	LENGTH	WEIGHT (LB)
a	#5	28	14'-10"	433.2
b	#7	42	5'-0"	429.2
h	#6	16	5'-0"	120.2
h_3	#6	6	1'-2"	10.5
h_4	#6	4	14-10"	89.1
L	#5	22	5'-6"	126.2
L_1	#5	4	6'-1"	25.4
L_2	#5	10	6'-8"	69.5
s	#4	16	3'-3"	34.7
v_1	#5	12	2'-8"	33.4
v_2	#5	2	2'-4"	4.9
v_3	#5	2	2'-1"	4.3
v_4	#5	2	1'-10"	3.8

DESCRIPTION	UNIT	QTY.
CLASS "SI" CONCRETE	CU YD	5.9
REINFORCEMENT BARS	LB	1,384.4
3" GALVANIZED STEEL PIPE	FOOT	2 @ 15'-5"
	FOOT	6 @ 4'-10"
3" GALV PIPE CAPS	EACH	16
1/4" GALV. STEEL PLATE (9" NOMINAL)	EACH	10
1/2" x 4" x 14" GALV. STEEL PLATE	EACH	10
5/8" x 9" GALV. STEEL BOLTS	EACH	12
EXPANSION BOLTS 1/2"Ø	EACH	20

GENERAL NOTES:

THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR DROP BOX NO. 3.

SLOPE FLOW LINE FOR DROP BOX NO. 3 IS THE SAME RATE AS THE FLOW LINE OF THE PIPE.

BOLTS, NUTS, AND WASHERS SHALL BE IN ACCORDANCE WITH ARTICLE 1006.08 OF THE STANDARD SPECIFICATION AND SHALL BE GALVANIZED.

STEEL PIPES SHALL CONFORM TO A.S.T.M. A-53 (TYPE E OR S) GRADE B, SCHEDULE 40, AND SHALL BE GALVANIZED CONFORMING TO A.S.T.M. A-120. CONTRACTOR SHALL FIELD VERIFY PIPE LENGTH.

STEEL PLATES SHALL CONFORM TO AASHTO M-183 AND SHALL BE GALVANIZED CONFORMING TO AASHTO M-111.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 31 OR M 322, GRADE 40 OR 60.

SEE PLAN AND PROFILE SHEET FOR MORE INFORMATION.
SEE CROSS SECTION SHEET FOR MORE INFORMATION.

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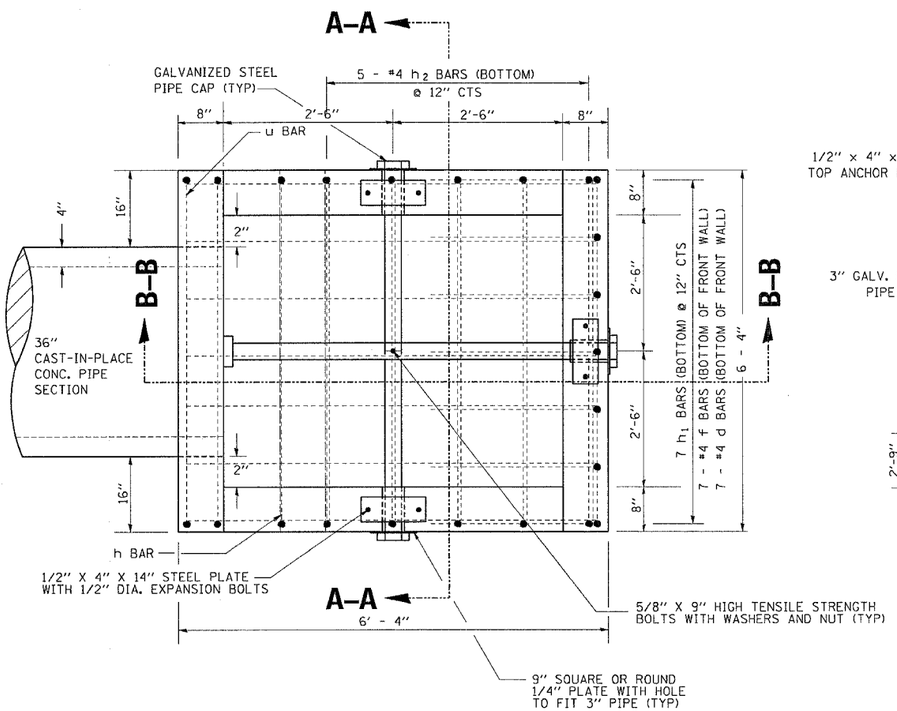
CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	124
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

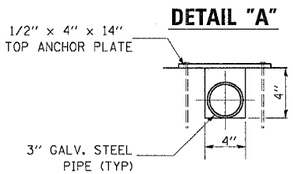
*(US 52) **(16,17,18)RS-3 & (16BR)M-1

DROP BOX NO. 4
RT STA. 187+50 (US 52)
CULVERT @ 70° SKEW

PLAN



DETAIL "A"



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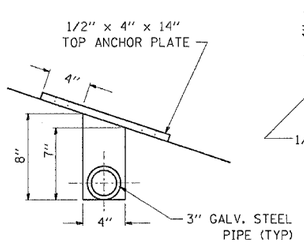
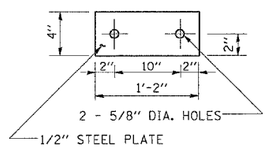
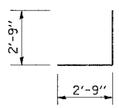


TOP ANCHOR PLATE



BAR d



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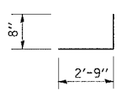

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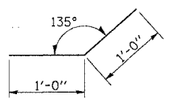

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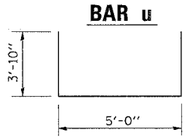
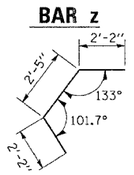
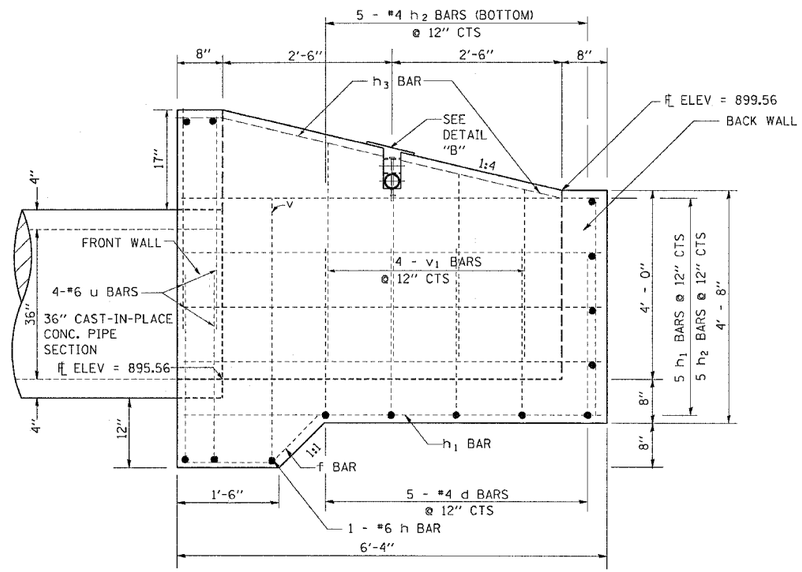


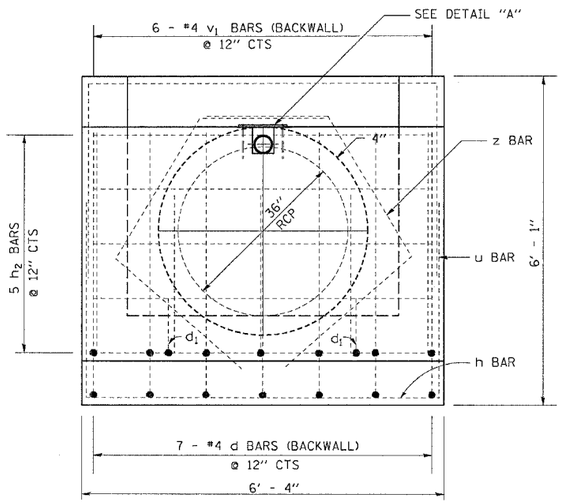
BAR z



SECTION B–B



SECTION A–A



BILL OF MATERIALS
(FOR REINFORCEMENT)

BAR	SIZE	NO.	LENGTH	WEIGHT (LB)
d	#4	17	6'-5"	72.87
d_1	#4	2	3'-5"	4.56
f	#4	7	2'-0"	9.35
h	#6	1	6'-0"	9.01
h_1	#4	15	6'-0"	60.12
h_2	#4	9	6'-0"	36.07
h_3	#4	4	2'-10"	7.56
u	#6	4	12'-8"	76.10
v	#4	2	5'-0"	6.68
v_1	#4	8	2'-0"	10.69
z	#4	2	6'-9"	9.02
DESCRIPTION			UNIT	QTY
CLASS "SI" CONCRETE			CU YD	3.08
REINFORCEMENT BARS			LB	302.03

BILL OF MATERIALS
(FOR GRATED DROP BOX No. 4)

DESCRIPTION	UNIT	QTY.
3" GALVANIZED STEEL PIPE	FOOT	1 @ 6'-4"
	FOOT	1 @ 5'-8"
3" GALV PIPE CAPS	EACH	4
1/4" GALV. STEEL PLATE (9" NOMINAL)	EACH	3
1/2" x 4" x 14" GALV. STEEL PLATE	EACH	3
5/8" x 9" GALV. STEEL BOLTS	EACH	1
EXPANSION BOLTS 1/2"Ø	EACH	6

GENERAL NOTES:

THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR DROP BOX NO. 4.

SLOPE FLOW LINE FOR DROP BOX NO. 4 IS THE SAME RATE AS THE FLOW LINE OF THE PIPE.

BOLTS, NUTS, AND WASHERS SHALL BE IN ACCORDANCE WITH ARTICLE 1006.08 OF THE STANDARD SPECIFICATION AND SHALL BE GALVANIZED.

STEEL PIPES SHALL CONFORM TO A.S.T.M. A-53 (TYPE E OR S) GRADE B, SCHEDULE 40, AND SHALL BE GALVANIZED CONFORMING TO A.S.T.M. A-120. CONTRACTOR SHALL FIELD VERIFY PIPE LENGTH.

STEEL PLATES SHALL CONFORM TO AASHTO M-183 AND SHALL BE GALVANIZED CONFORMING TO AASHTO M-111.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 31 OR M 322, GRADE 40 OR 60.

SEE PLAN AND PROFILE SHEET FOR MORE INFORMATION.
SEE CROSS SECTION SHEET FOR MORE INFORMATION.

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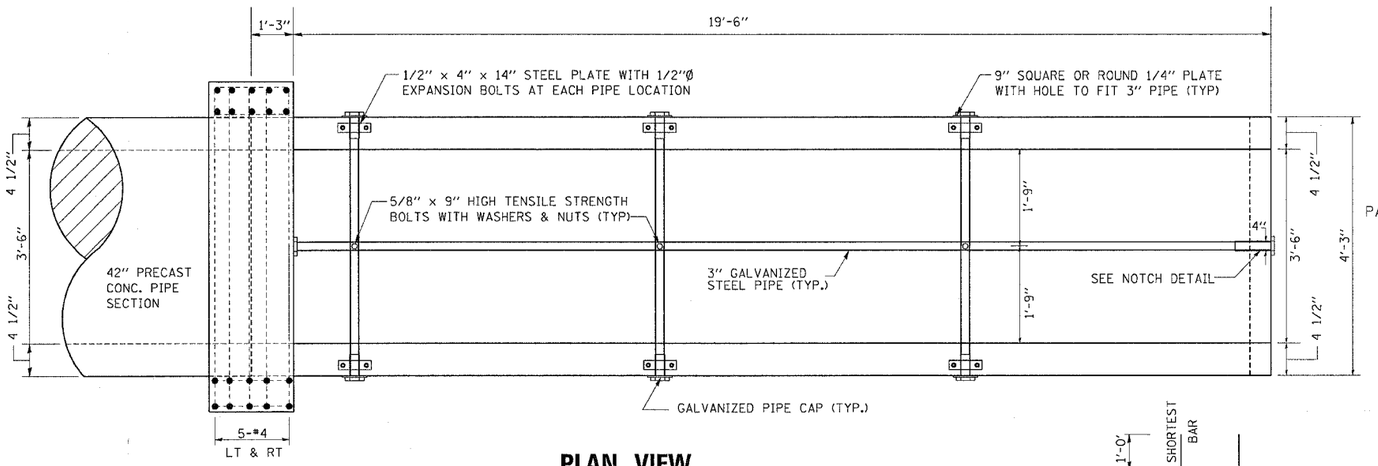
CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	125
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52) **(16,17,18)RS-3 & (16BRJM-1

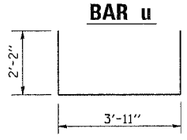
GRATED CULVERT EXTENSION NO. 1

LT. STA. 8+00 (US 52)



PAY AS 1 ITEM

PLAN VIEW



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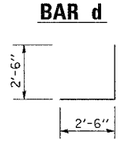

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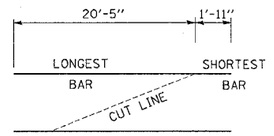

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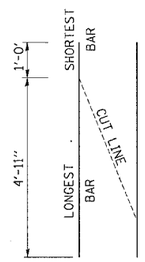
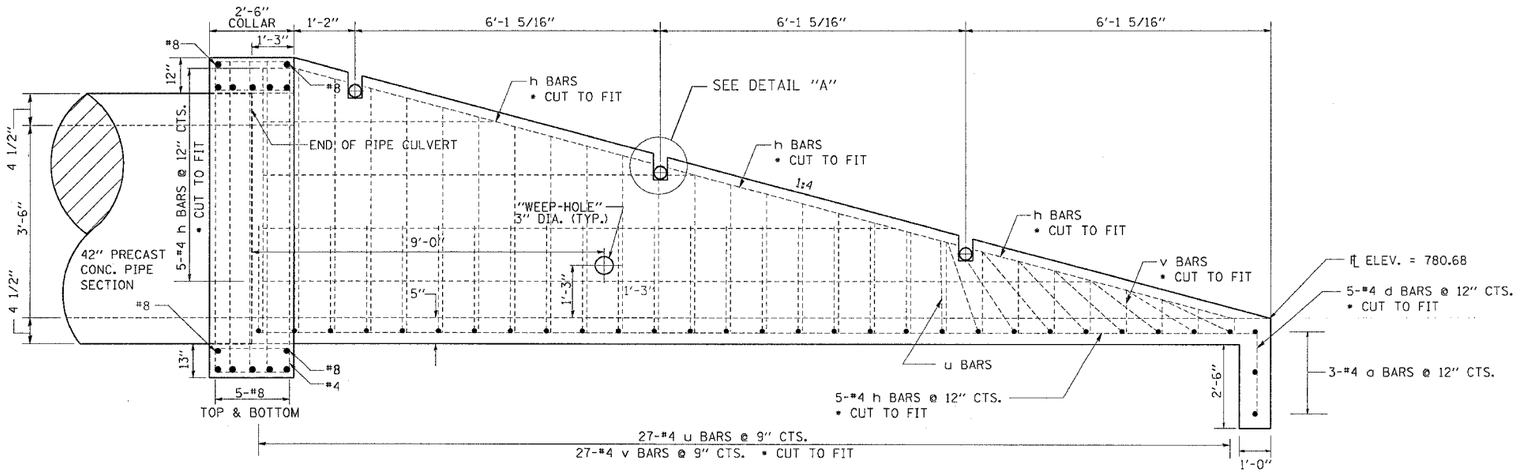
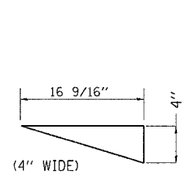


BAR v CUT DIAGRAM



PROFILE VIEW



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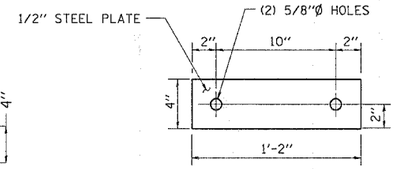
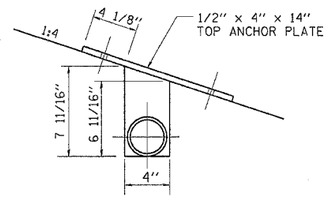


TOP ANCHOR PLATE



DETAIL "A"

BILL OF MATERIALS
(FOR REINFORCEMENT)

BAR	NO.	SIZE	LENGTH
a	3	#4	3'-11"
d	5	#4	5'-0"
h	11	#4	22'-4"
u	27	#4	8'-3"
v	27	#4	5'-11"

DESCRIPTION	UNIT	QTY
CLASS "SI" CONCRETE	CU YD	3.3
REINFORCEMENT BARS	LB	444.1

BILL OF MATERIALS
(FOR ONE EXTENSION)

DESCRIPTION	UNIT	QTY.
3" GALVANIZED STEEL PIPE	FOOT	1 @ 19'-6"
	FOOT	3 @ 4'-3"
3" GALV PIPE CAPS	EACH	8
1/4" GALV. STEEL PLATE (9" NOMINAL)	EACH	6
1/2" x 4" x 14" GALV. STEEL PLATE	EACH	6
5/8" x 9" GALV. STEEL BOLTS	EACH	6
EXPANSION BOLTS 1/2"Ø	EACH	12

GENERAL NOTES:

SLOPE FLOW LINE OF THE EXTENSION AT THE SAME RATE AS THE FLOW LINE OF THE PIPE.

BOLTS, NUTS AND WASHERS SHALL BE IN ACCORDANCE WITH ARTICLE 710.11 OF THE STANDARD SPECIFICATION AND SHALL BE GALVANIZED.

THE CONTRACT UNIT PRICE "EACH" FOR GRATED CULVERT EXTENSION NO. 1 SHALL INCLUDE THE EXPANSION BOLTS, GALVANIZED PIPE & CAPS, CLASS SI CONCRETE, REINFORCEMENT BARS, BOLTS, NUTS, WASHERS, INSTALLATION ON THE PROPOSED CULVERT, EARTH EXCAVATION WHERE REQUIRED, AND ANY NECESSARY GRADING TO FIT INLET AS SHOWN IN THE CROSS SECTIONS OR TO SLOPE.

STEEL PIPES SHALL CONFORM TO A.S.T.M. A-53 (TYPE E OR S) GRADE B, SCHEDULE 40 AND SHALL BE GALVANIZED CONFORMING TO A.S.T.M. A-120. CONTRACTOR SHALL FIELD VERIFY PIPE LENGTH.

STEEL PLATES SHALL CONFORM TO AASHTO M-183 AND SHALL BE GALVANIZED CONFORMING TO AASHTO M-111.

SEE PLAN AND PROFILE SHEET FOR MORE INFORMATION.
SEE CULVERT LOCATION PLANS FOR MORE INFORMATION.

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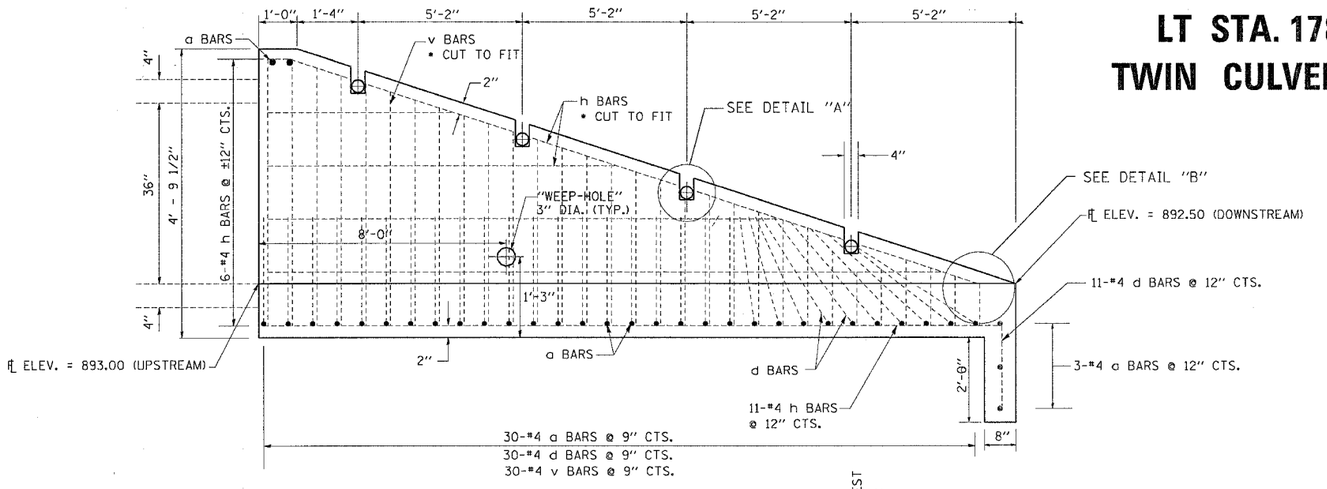
CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	126
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

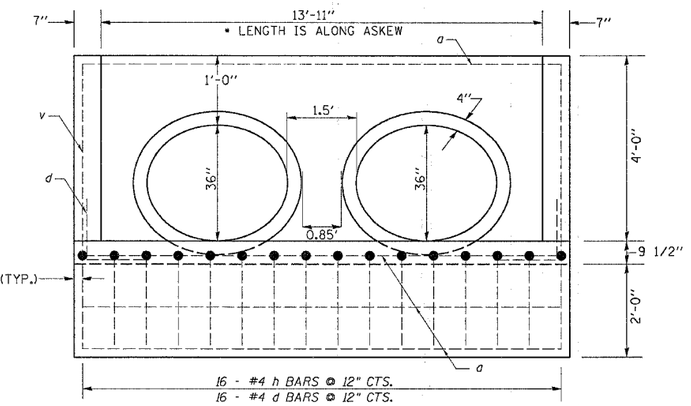
*(US 52) **(16,17,18)RS-3 & (16BR)M-1

GRATED CULVERT EXTENSION NO. 2

LT STA. 178+82 (US 52)
TWIN CULVERT @ 45° SKEW



SIDE VIEW



END VIEW

GENERAL NOTES:

CLASS SI CONCRETE SHALL BE USED THROUGHOUT. EXPOSED EDGES SHALL BE BEVELED 3/4".

BOLTS, NUTS AND WASHERS SHALL BE IN ACCORDANCE WITH ARTICLE 1006.08 OF THE STANDARD SPECIFICATION AND SHALL BE GALVANIZED

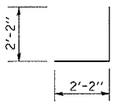
REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31 OR M-53, GRADE 60.

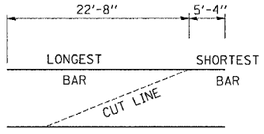
STEEL PLATES SHALL CONFORM TO AASHTO M-183 AND SHALL BE GALVANIZED CONFORMING TO AASHTO M-111.

STEEL PIPE SHALL CONFORM TO ASTM A-53 (TYPE E OR S), GRADE B, SCHEDULE 40 AND SHALL BE GALVANIZED CONFORMING TO AASHTO M-111..

THE CONTRACT UNIT PRICE "EACH" FOR GRATED CULVERT EXTENSION NO. 2 SHALL INCLUDE THE EXPANSION BOLTS, GALVANIZED PIPE & CAPS, CLASS SI CONCRETE, REINFORCEMENT BARS, BOLTS NUTS, WASHERS, INSTALLATION ON THE PROPOSED CULVERT, EARTH EXCAVATION WHERE REQUIRED, AND ANY NECESSARY GRADING TO FIT INLET AS SHOWN IN THE CROSS SECTIONS OR TO SLOPE.

BAR d





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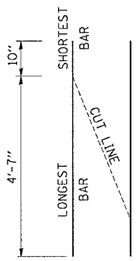
CUT DIAGRAM



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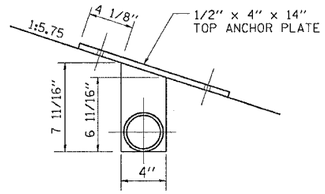
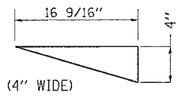
CUT DIAGRAM



DETAIL "A"



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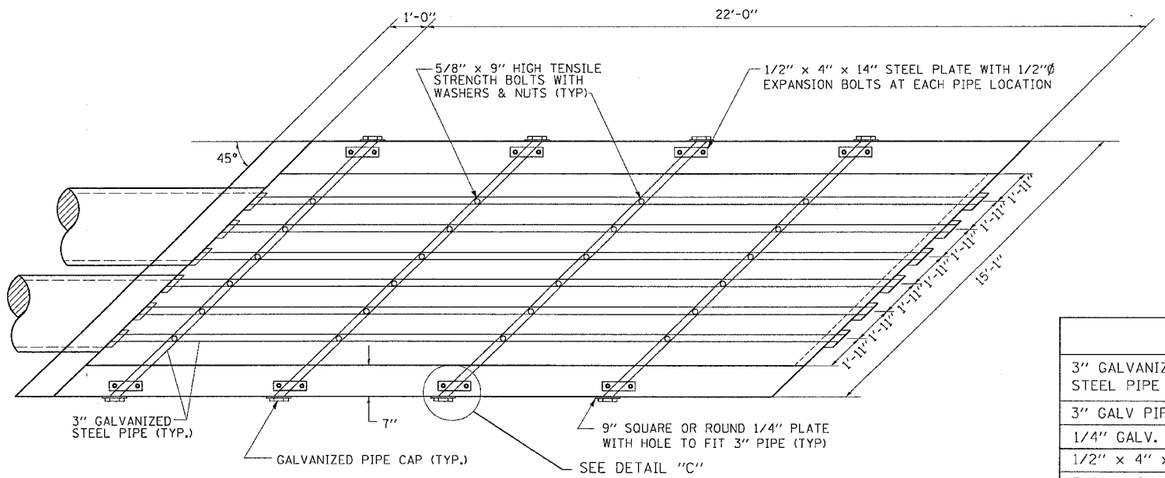
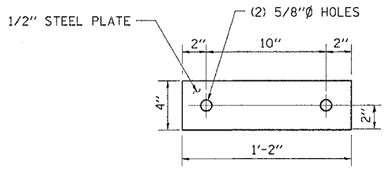


PLAN VIEW



DETAIL "C"

BILL OF MATERIALS
(FOR ONE EXTENSION)

DESCRIPTION	UNIT	QTY.
3" GALVANIZED STEEL PIPE	FOOT	4 @ 15'-5"
	FOOT	6 @ 22'-4"
3" GALV PIPE CAPS	EACH	20
1/4" GALV. STEEL PLATE (9" NOMINAL)	EACH	8
1/2" x 4" x 14" GALV. STEEL PLATE	EACH	8
5/8" x 9" GALV. STEEL BOLTS	EACH	24
EXPANSION BOLTS 1/2"Ø	EACH	16

BILL OF MATERIALS
(FOR REINFORCEMENT)

BAR	NO.	SIZE	LENGTH
a	35	#4	14'-9"
d	76	#4	4'-4"
h	22	#4	28'-0"
v	30	#4	5'-5"

DESCRIPTION	UNIT	QTY
CLASS "SI" CONCRETE	CU YD	11.5
REINFORCEMENT BARS	LB	1085.0

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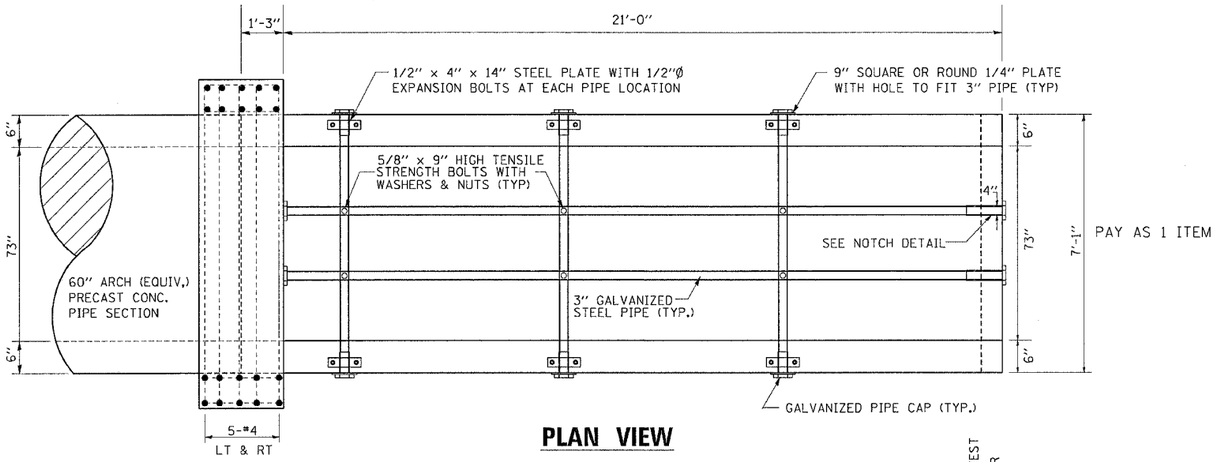
CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	127
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

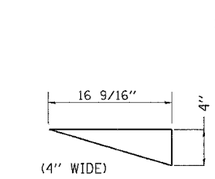
*(US 52) **(16,17,18)RS-3 & (16BR)M-1

GRATED CULVERT EXTENSION NO. 3

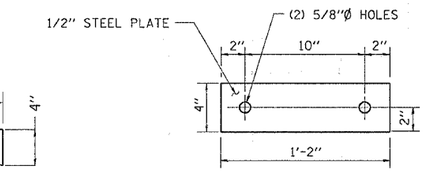
LT. & RT. STA. 203+39.4276 (US 52)



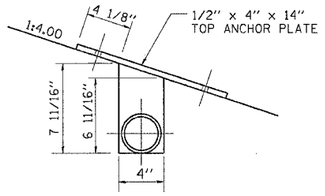
PLAN VIEW



NOTCH DETAIL



TOP ANCHOR PLATE



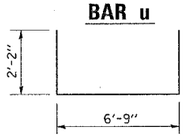
DETAIL "A"

BILL OF MATERIALS
(FOR REINFORCEMENT PER EXTENSION)

BAR	NO.	SIZE	LENGTH
a	3	#4	6'-9"
d	8	#4	5'-0"
h	14	#4	23'-8"
u	30	#4	11'-1"
v	30	#4	6'-5"

DESCRIPTION	UNIT	QTY
CLASS "SI" CONCRETE	CU YD	5.9
REINFORCEMENT BARS	LB	612.2

BAR u



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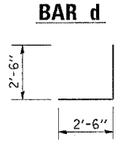
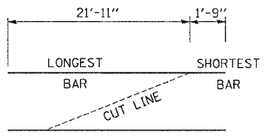
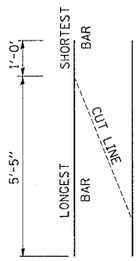




BAR h CUT DIAGRAM



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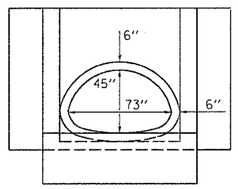

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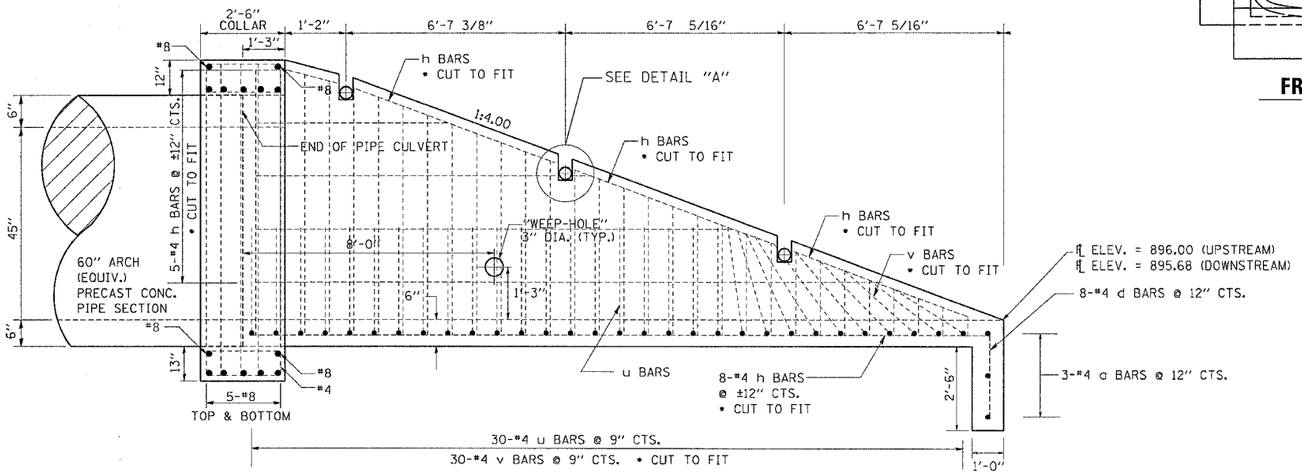

PROFILE VIEW

BILL OF MATERIALS

DESCRIPTION	UNIT	QTY.
3" GALVANIZED STEEL PIPE	FOOT	2 @ 21'-0"
	FOOT	3 @ 7'-1"
3" GALV PIPE CAPS	EACH	8
1/4" GALV. STEEL PLATE (9" NOMINAL)	EACH	6
1/2" x 4" x 14" GALV. STEEL PLATE	EACH	6
5/8" x 9" GALV. STEEL BOLTS	EACH	6
EXPANSION BOLTS 1/2"Ø	EACH	12

GENERAL NOTES:

SLOPE FLOW LINE OF THE EXTENSION AT THE SAME RATE AS THE FLOW LINE OF THE PIPE.

BOLTS, NUTS AND WASHERS SHALL BE IN ACCORDANCE WITH ARTICLE 710.11 OF THE STANDARD SPECIFICATION AND SHALL BE GALVANIZED.

THE CONTRACT UNIT PRICE "EACH" FOR GRATED CULVERT EXTENSION NO. 3 SHALL INCLUDE THE EXPANSION BOLTS, GALVANIZED PIPE & CAPS, CLASS SI CONCRETE, REINFORCEMENT BARS, BOLTS, NUTS, WASHERS, INSTALLATION ON THE PROPOSED CULVERT, EARTH EXCAVATION WHERE REQUIRED, AND ANY NECESSARY GRADING TO FIT INLET AS SHOWN IN THE CROSS SECTIONS OR TO SLOPE.

STEEL PIPES SHALL CONFORM TO A.S.T.M. A-53 (TYPE E OR S) GRADE B, SCHEDULE 40 AND SHALL BE GALVANIZED CONFORMING TO A.S.T.M. A-120. CONTRACTOR SHALL FIELD VERIFY PIPE LENGTH.

STEEL PLATES SHALL CONFORM TO AASHTO M-183 AND SHALL BE GALVANIZED CONFORMING TO AASHTO M-111.

SEE PLAN AND PROFILE SHEET FOR MORE INFORMATION.
SEE CULVERT LOCATION PLANS FOR MORE INFORMATION.

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CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	128
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52) **(16,17,18)RS-3 & (16BR)M-1

STORM WATER POLLUTION PREVENTION PLAN
EROSION CONTROL PLAN

THE FOLLOWING PLAN WAS ESTABLISHED AND INCLUDED IN THESE PLANS TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE SILTATION WITHIN THE CONSTRUCTION ZONE AND TO ELIMINATE SEDIMENTS FROM ENTERING AND LEAVING THE CONSTRUCTION ZONE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN ITEMS, AS SHOWN IN THIS PLAN AND REFERENCED BY THE LEGEND, SHALL BE PLACED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION RESULTING FROM THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL PLACE PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A REASONABLE AMOUNT OF TIME: THEREFORE, REDUCING THE AMOUNT OF AREA BEING OPEN TO THE POSSIBILITY OF EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE RESIDENT ENGINEER WILL DETERMINE IF TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED, THE SIZE OF THE PROPOSED DITCH CHECKS, THE PROPER METHOD OF INSTALLATION, AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS SHALL BE ADDED WHICH ARE NOT INCLUDED IN THE PLANS. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS.

SITE DESCRIPTION
DESCRIPTION OF CONSTRUCTION ACTIVITY:

THIS PROJECT CONSISTS OF GEOMETRIC IMPROVEMENTS TO THE INTERSECTION OF IL64/US52 AT BROOKVILLE ROAD IN BROOKVILLE. IN ADDITION, COLD MILLING AND RESURFACING OF US52 FROM BROOKVILLE TO IL26.

DESCRIPTION OF INTENDED SEQUENCE OF ACTIVITIES:
THE SEQUENCE OF EVENTS ARE AS FOLLOW: CLEARING, EMBANKMENT, EXCAVATION, GRADING AND PAVING. THIS PROJECT WILL BE CONSTRUCTED IN SEGMENTS AS SHOWN IN THE "STAGING PLANS".

TOTAL CONSTRUCTION SITE (CONSTRUCTION LIMIT TO CONSTRUCTION LIMIT) 18.38 ACRES

PROPOSED R.O.W (TOTAL PARCEL AREA) 7.76 ACRES

DISTURBED BY EXCAVATION (E.O.P TO CONSTRUCTION LIMIT) 13.10 ACRES

SUPPORTING REPORTS AND PLANS
THE FOLLOWING ASSISTED IN DEVELOPING THE EROSION CONTROL PLAN AS REFERENCED DOCUMENTS:

SOIL PROFILE SHEETS, SOILS REPORTS, BORING LOGS
USGS DRAINAGE MAPS, PROJECT PLAN DOCUMENTS

DRAINAGE TRIBUTARIES RECEIVING WATER FROM CONSTRUCTION SITE

ELKHORN CREEK

EROSION CONTROLS AND SEDIMENT CONTROL PROCEDURES
STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:
PERIMETER EROSION CONTROL SHALL BE PLACED PRIOR TO BEGINNING EARTHWORK.

STABILIZATION PRACTICES DURING CONSTRUCTION:
AS EARTH EXCAVATION AND EMBANKMENT ARE BEING COMPLETED THE CONTRACTOR SHALL PLACE DITCH CHECKS, INLET AND PIPE PROTECTION, EROSION CONTROL BLANKET, AND SEEDING AS STAGES OF THE PROJECT ARE COMPLETED. PERIMETER EROSION BARRIER WILL BE INSTALLED AT ADDITIONAL LOCATIONS AS THE PROJECT PROGRESSES. SEEDING SHALL BE COMPLETED AS SPECIFIED IN THE EROSION CONTROL/ SEEDING MOBILIZATION AND TEMPORARY SEEDING SPECIAL PROVISION.

MAINTENANCE AFTER FINAL GRADING
TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED WITH THE PROPER STAND. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP AND DISTURBED TURF RESEEDED.

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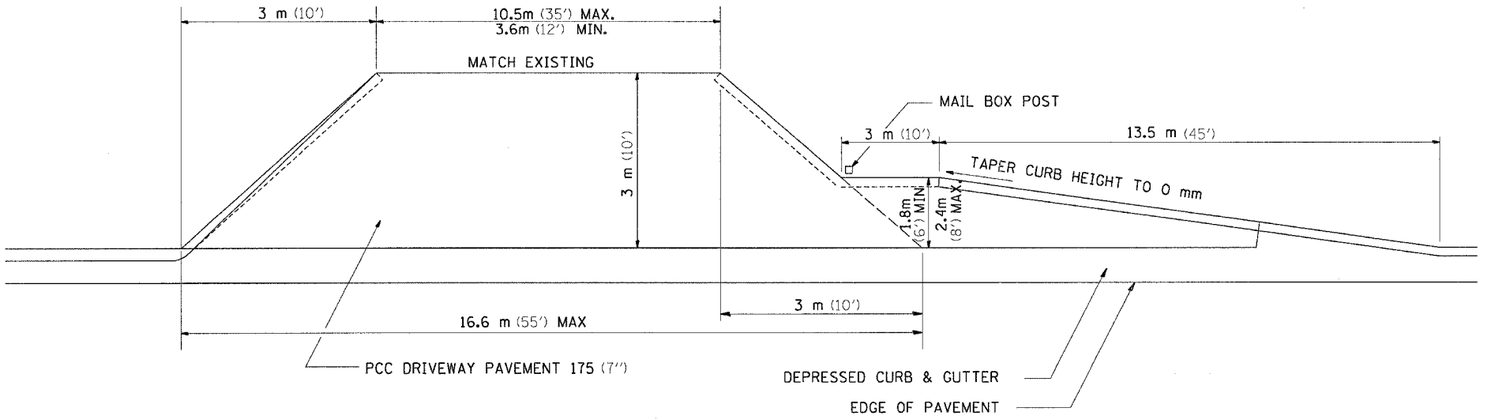
REVISED 5-12-04

CONTRACT NO. 64237

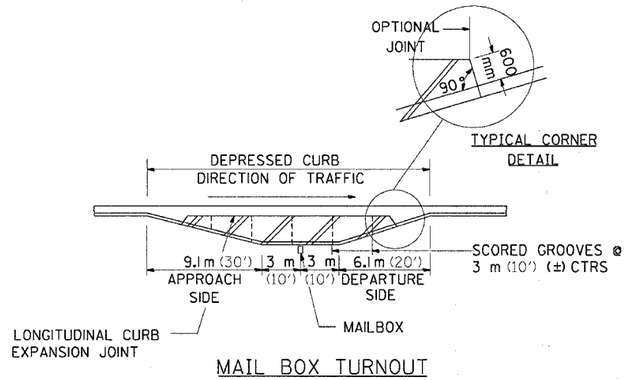
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	129
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52) **(16,17,18)RS-3 & (16BR)M-1

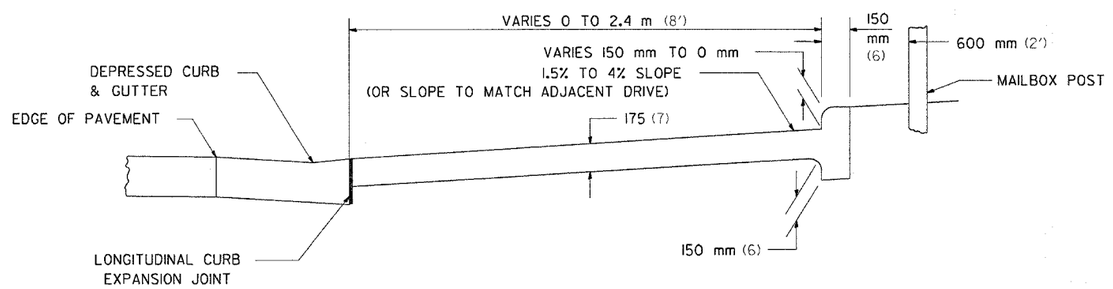
MAILBOX TURNOUT IN CURB AND GUTTER SECTION



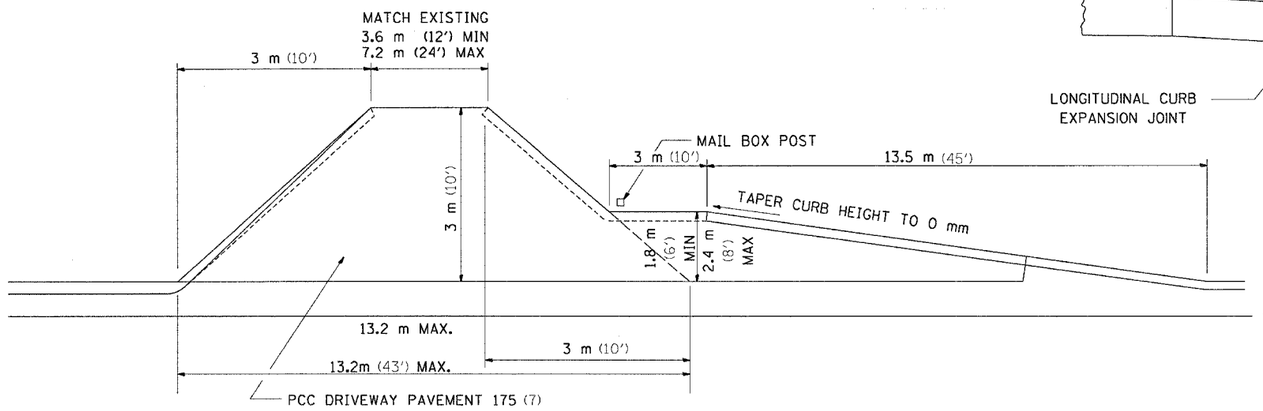
COMMERCIAL ENTRANCE WITH MAIL BOX TURNOUT



MAIL BOX TURNOUT



TYPICAL CROSS SECTION



PRIVATE ENTRANCE WITH MAIL BOX TURNOUT

GENERAL NOTES

1.) THE LONGITUDINAL CURB EXPANSION JOINT SHALL CONFORM TO SECTION 1051 OF THE STANDARD SPECIFICATIONS.
2.) THE MAILBOX TURNOUT CROSS SLOPE WILL BE AS SHOWN ABOVE, AS SHOWN ON THE STATION CROSS SECTIONS OR AS DIRECTED BY THE ENGINEER.
3.) THE MAILBOX TURNOUT SHALL BE CONSTRUCTED WITH SCORED GROOVES, AS SPECIFIED IN ARTICLE 423.06 OF THE STANDARD SPECIFICATIONS, AT APPROXIMATELY 3.05 m (10') CENTERS. IN THE EVENT THERE IS EXISTING OR PROPOSED SIDEWALK PRESENT, THESE SCORED GROOVES SHALL BE PLACED IN LINE WITH EVERY OTHER JOINT IN THE ADJACENT SIDEWALK.
4.) THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR P.C. CONCRETE DRIVEWAY PAVEMENT OF THE THICKNESS SPECIFIED IN THE PLANS WHICH PRICE SHALL INCLUDE THE LONGITUDINAL CURB EXPANSION JOINT, MONOLITHIC CURB AS SHOWN, SCORED GROOVES, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
5) SEE THE DISTRICT STANDARD 25.1 FOR ADDTIONAL DETAILS.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

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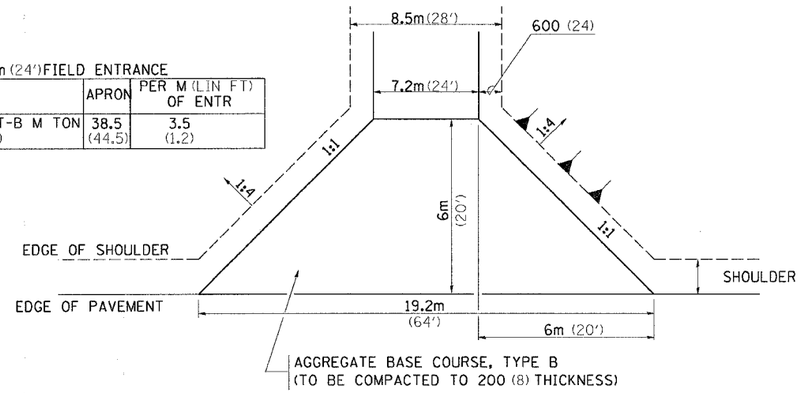
CONTRACT NO. 64237

	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*(US 52)	*2079	**	CARROLL&OGLE	232	130
**(16,17,18)RS-3 & (16BR)M-1	STA.		TO STA.		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

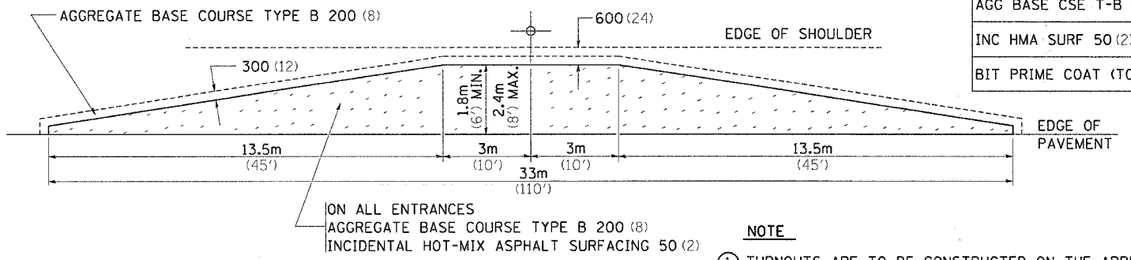
HOT-MIX ASPHALT APPROACHES & MAILBOX RETURNS

7.2m (24') FIELD ENTRANCE

	APRON	PER M (LIN FT) OF ENTR
AGG BASE CSE T-B M TON (TON)	38.5 (44.5)	3.5 (1.2)



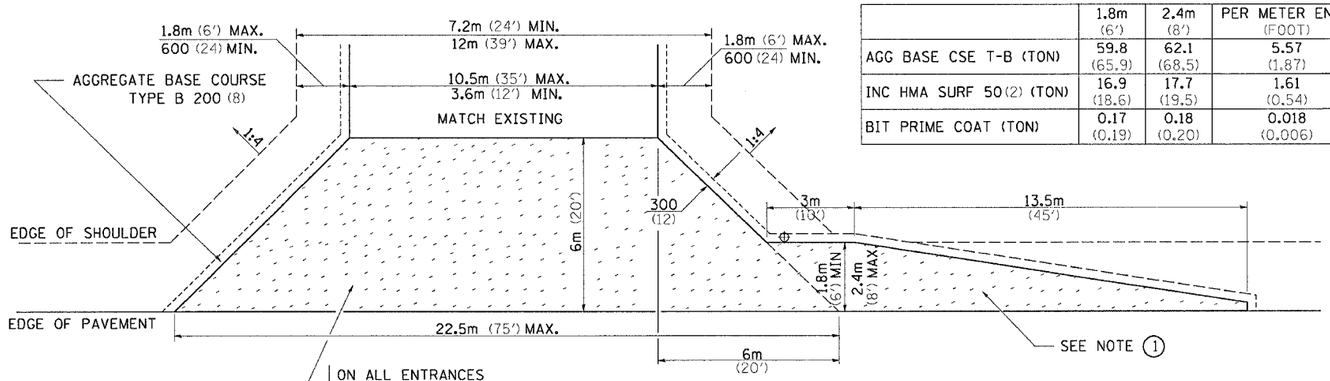
FIELD ENTRANCE



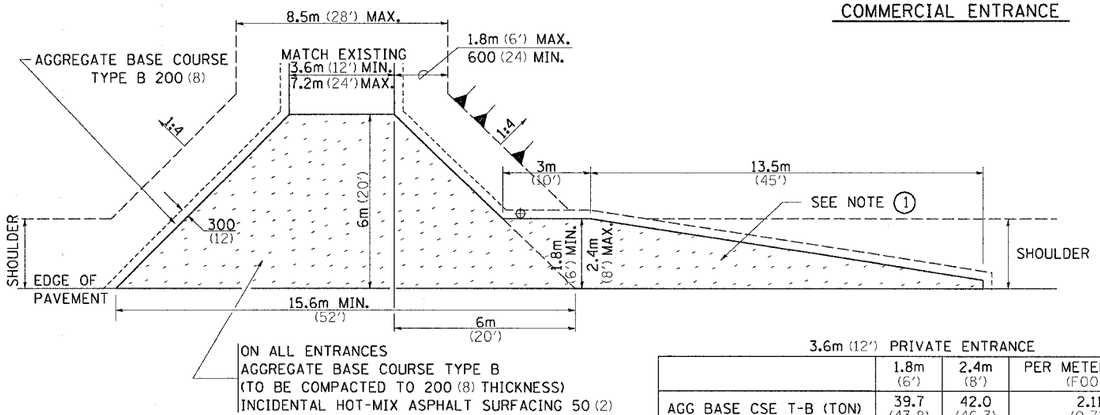
MAILBOX TURNOUT

10.5m (35') COMMERICAL ENTRANCE

	1.8m (6')	2.4m (8')	PER METER ENTR (FOOT)
AGG BASE CSE T-B (TON)	59.8 (65.9)	62.1 (68.5)	5.57 (1.87)
INC HMA SURF 50 (2) (TON)	16.9 (18.6)	17.7 (19.5)	1.61 (0.54)
BIT PRIME COAT (TON)	0.17 (0.19)	0.18 (0.20)	0.018 (0.006)



COMMERCIAL ENTRANCE



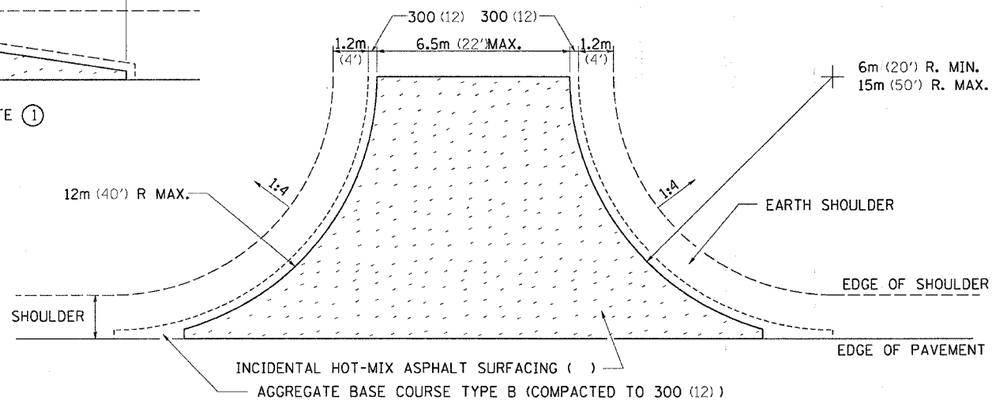
PRIVATE ENTRANCE

3.6m (12') PRIVATE ENTRANCE

	1.8m (6')	2.4m (8')	PER METER ENTR (FOOT)
AGG BASE CSE T-B (TON)	39.7 (43.8)	42.0 (46.3)	2.11 (0.71)
INC HMA SURF 50 (2) (TON)	10.7 (11.8)	11.5 (12.7)	0.57 (0.19)
BIT PRIME COAT (TON)	0.11 (0.12)	0.18 (0.13)	0.006 (0.002)

NOTE

1. TURNOUTS ARE TO BE CONSTRUCTED ON THE APPROACH SIDE OF ALL PE & CE REGARDLESS IF A MAILBOX IS PRESENT.
2. ALL PE & CE ARE TO BE SURFACED TO RIGHT OF WAY LINE. AREA BEHIND RIGHT OF WAY SHALL MATCH EXISTING SURFACE.
3. FE ARE TO BE AGGREGATE TO RIGHT OF WAY OR TOUCH DOWN, WHICH EVER IS GREATEST.
4. QUANTITIES ARE CALCULATED WITH 1' BITUMINOUS SHOULDER IN PLACE. AGGREGATE QUANTITIES SHOWN ARE FOR NEW CONSTRUCTION.
5. EXCAVATION REQUIRED FOR PLACEMENT OF AGGREGATE BASE COURSE SHALL BE CONSIDERED INCIDENTAL TO THE AGGREGATE BASE COURSE.
6. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.



SIDE ROAD RETURN

	6m RADIUS (20')			9m RADIUS (30')			12m RADIUS (40')		
	5.5m (18')	6m (20')	6.5m (22')	5.5m (18')	6m (20')	6.5m (22')	5.5m (18')	6m (20')	6.5m (22')
AGG BASE CSE T-B (TON)	40.9 (45.1)	43.7 (48.2)	46.4 (51.2)	70.3 (77.5)	74.4 (82.0)	78.6 (86.6)	105.5 (116.3)	111.0 (122.4)	116.6 (128.5)
INC HMA SURF AT 25 (1) (TON)	3 (3.3)	3.3 (3.6)	3.4 (3.8)	5.3 (5.8)	5.5 (6.1)	5.9 (6.5)	8.0 (8.8)	8.4 (9.3)	9.0 (9.9)
BIT PRIME COAT (TON)	0.07 (0.08)	0.08 (0.09)	0.10 (0.10)	0.14 (0.15)	0.15 (0.16)	0.15 (0.17)	0.20 (0.22)	0.22 (0.24)	0.23 (0.25)

NOTE: USE 50 (2) INC. HMA SURF. ON EXISTING RETURNS

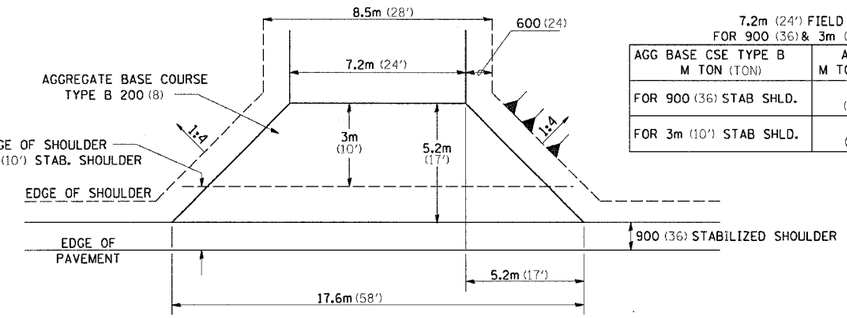
PLOT DATE = Wed Mar 07 13:51:33 2007
FILE NAME = c:\projects\d202695\d202695pl.dgn
PLOT SCALE = 52.0000 ' / IN.
REFERENCE = #4EF4

CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	131
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52)
**(16,17,18)RS-3 & (16BR)M-1

HOT-MIX ASPHALT APPROACHES & MAILBOX TURNOUTS



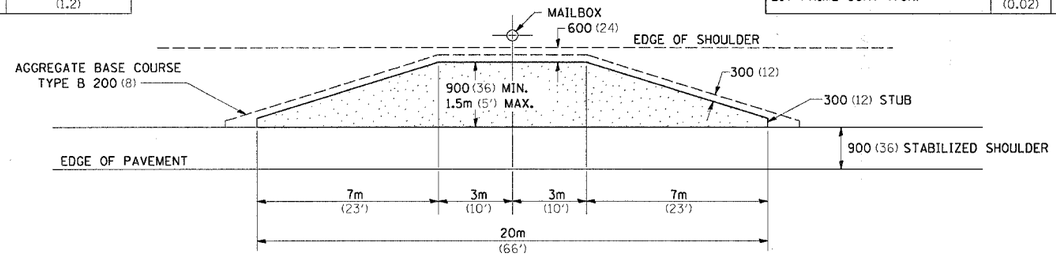
FIELD ENTRANCE

7.2m (24') FIELD ENTRANCE FOR 900 (36) & 3m (10') SHOULDERS

AGG BASE CSE TYPE B M TON (TON)	APRON M TON (TON)	PER METER (FOOT) ADD. RUN
FOR 900 (36) STAB SHLD.	31.3 (35.3)	3.5 (1.2)
FOR 3m (10') STAB SHLD.	14.9 (17.2)	3.5 (1.2)

PE & CE FOR 3m (10') STAB. SHOULDER

	3.6m PE (12')	10.5m CE (35')
AGG BASE CSE (TON)	11.4 (12.6)	21.9 (24.2)
INC HMA SURF (TON)	3.1 (3.4)	6.3 (7.0)
PRIME (TON)	0.04 (0.04)	0.06 (0.07)



MAILBOX TURNOUT

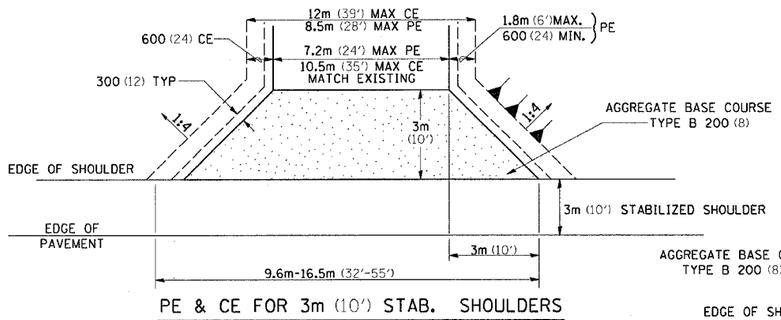
10.5m (35') COMMERCIAL ENTRANCE FOR 900 (36) STAB. SHOULDER

	900 (36)	1.5m (5')	PER METER ENTR (FOOT)
AGG BASE CSE T-B (TON)	47.4 (52.2)	48.7 (53.7)	5.7 (1.9)
INC HMA SURF 50 (2) (TON)	13.4 (14.8)	14.0 (15.4)	1.6 (0.55)
BIT PRIME COAT (TON)	0.14 (0.15)	0.15 (0.16)	0.018 (0.006)

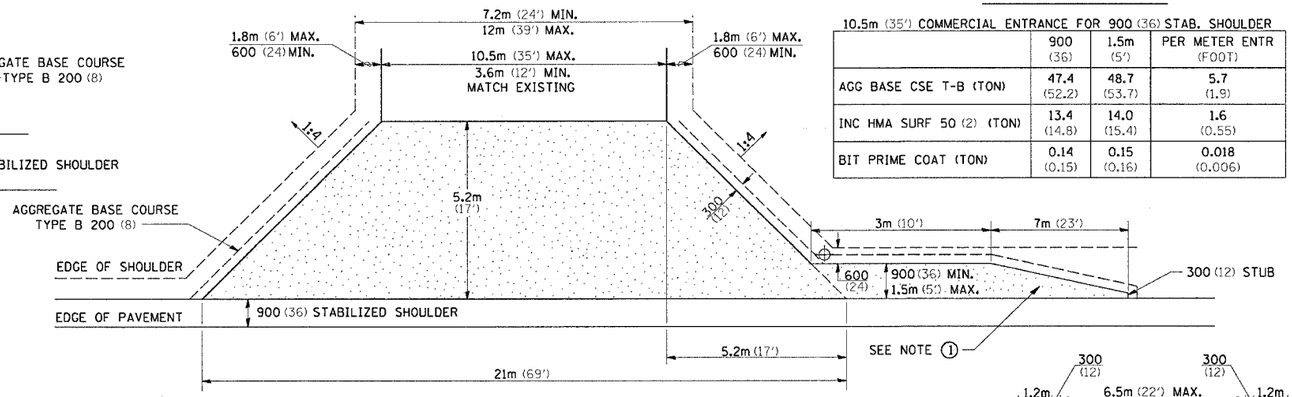
	900 (36)	1.5m (5')
AGG BASE CSE T-B (TON)	10.7 (11.8)	14.4 (15.9)
INC BIT SURF 50 (2) (TON)	2.2 (2.4)	3.4 (3.8)
BIT PRIME COAT (TON)	0.02 (0.02)	0.04 (0.04)

NOTE

1. ALL ENTRANCES TO BE CONSTRUCTED WITH AN 8" AGGREGATE BASE COURSE, TYPE B AND WITH A 2" INCIDENTAL HOT-MIX ASPHALT SURFACING, UNLESS OTHERWISE NOTED.
2. TURNOUTS ARE TO BE CONSTRUCTED ON THE APPROACH SIDE OF ALL PE & CE REGARDLESS IF A MAILBOX IS PRESENT.
3. ALL PE & CE ARE TO BE SURFACED TO RIGHT OF WAY LINE. AREA BEHIND RIGHT OF WAY SHALL MATCH EXISTING SURFACE.
4. FE ARE TO BE AGGREGATE TO RIGHT OF WAY OR TOUCH DOWN WHICH EVER IS GREATER.
5. QUANTITIES SHOWN ARE FOR NEW CONSTRUCTION.
6. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.



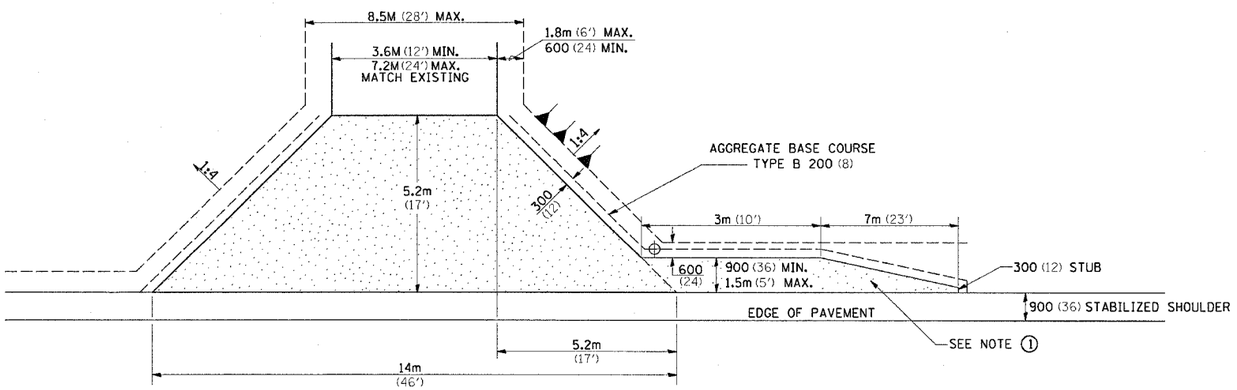
PE & CE FOR 3m (10') STAB. SHOULDERS



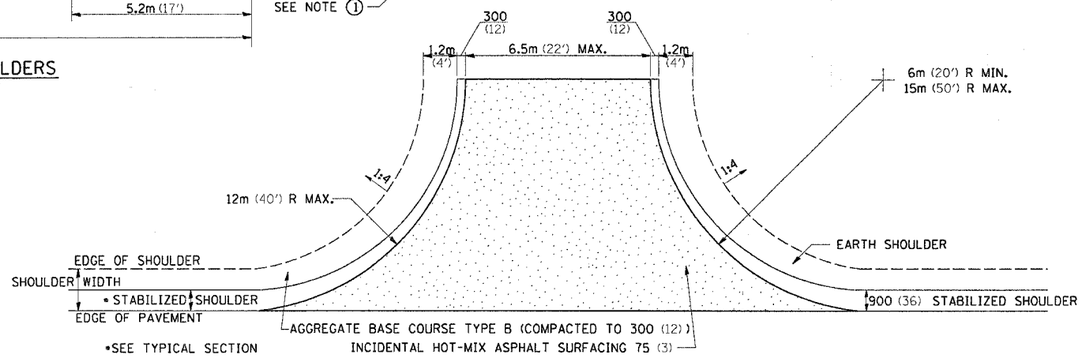
CE FOR 900 (36) STAB. SHOULDERS

3.6m (12') PRIVATE ENTRANCE FOR 900 (36) STAB. SHOULDER

	900 (36)	1.5m (5')	PER METER ENTR (FOOT)
AGG BASE CSE (TON)	29.4 (32.4)	30.8 (33.9)	0.64 (0.7)
INC HMA SURF 50 (2) (TON)	7.8 (8.6)	8.4 (9.3)	0.17 (0.19)
BIT PRIME COAT (TON)	0.08 (0.09)	0.09 (0.10)	0.006 (0.002)



PRIVATE ENTRANCE FOR 900 (36) STAB. SHOULDERS



SIDE ROAD RETURN

	6m (20') RADIUS			9m (30') RADIUS			12m (40') RADIUS		
	5.5m (18')	6m (20')	6.5m (22')	5.5m (18')	6m (20')	6.5m (22')	5.5m (18')	6m (20')	6.5m (22')
AGG BASE CSE T-B (TON)	20 (22.1)	21.6 (23.8)	23.1 (25.5)	37 (40.8)	39.5 (43.5)	42 (46.3)	57.9 (63.8)	61.3 (67.6)	64.7 (71.3)
INC HMA SURF 75 (3) (TON)	5.5 (6.1)	6.2 (6.8)	6.6 (7.25)	10.5 (11.6)	11.2 (12.4)	12.1 (13.3)	16.7 (18.4)	17.7 (19.5)	18.7 (20.6)
BIT PRIME CSE T-B (TON)	0.05 (0.06)	0.06 (0.07)	0.06 (0.07)	0.11 (0.12)	0.11 (0.12)	0.12 (0.13)	0.16 (0.18)	0.18 (0.20)	0.19 (0.21)

NOTE: USE 50 (2) INC. HMA SURF. ON EXISTING RETURNS

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REVISED 10-10-06

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	132
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

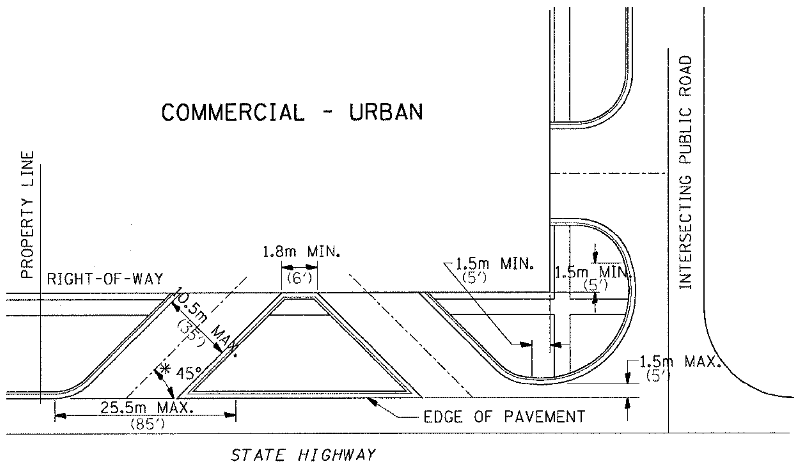
CONTRACT NO. 64237

*(US 52) **(16,17,18)RS-3 & (16BR)M-1

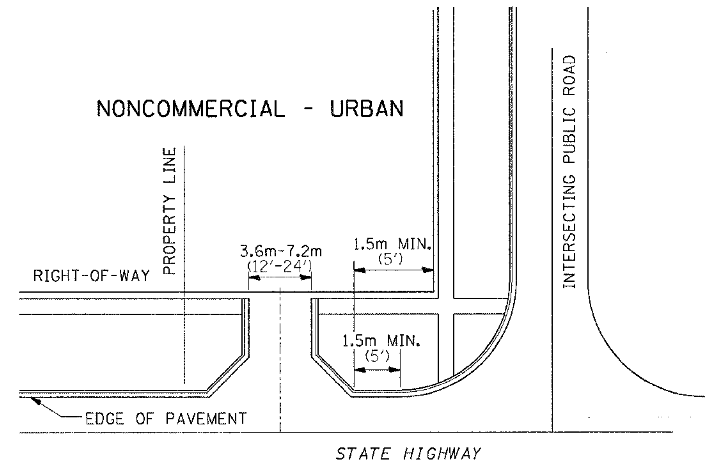
ENTRANCE APPROACHES – URBAN AREA

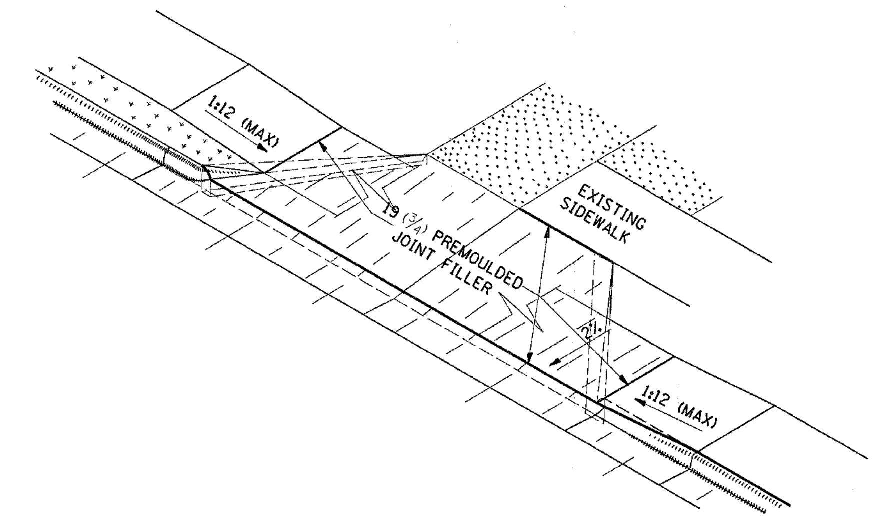
TYPICAL APPLICATION OF ENTRANCES

COMMERCIAL - URBAN



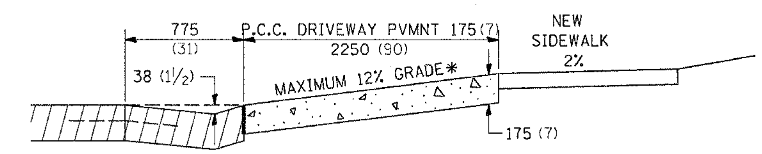
NONCOMMERCIAL - URBAN



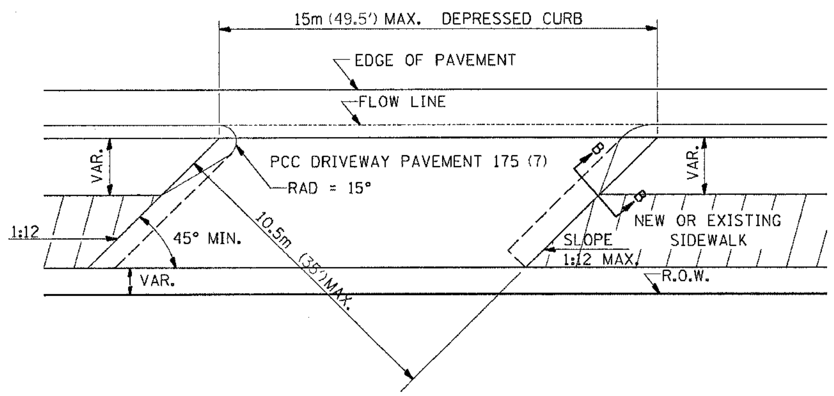


WHEN THE ISLAND BETWEEN DRIVES IS LESS THAN 7.5m (25') LONG OR LESS THAN 10 FEET WIDE, IT SHALL BE DEFINED BY CURBS, MASONRY, OR OTHER DEVICES.

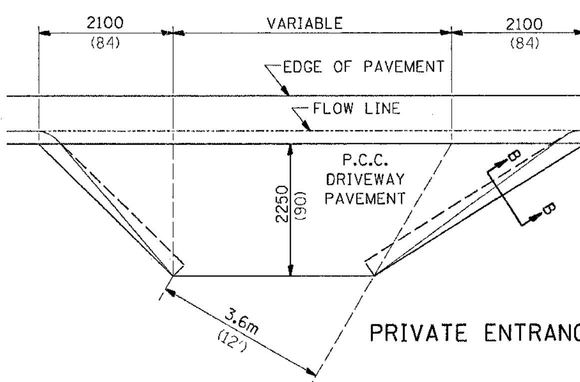
* 45° MIN. ANGLE PERMITTED ONLY FOR ONE-WAY DRIVEWAYS. 60° MIN. ANGLE FOR TWO-WAY DRIVEWAYS.



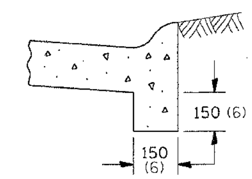
ASCENDING APPROACH



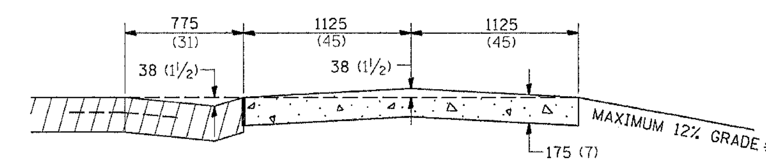
COMMERCIAL ENTRANCE



PRIVATE ENTRANCE ON SKEW

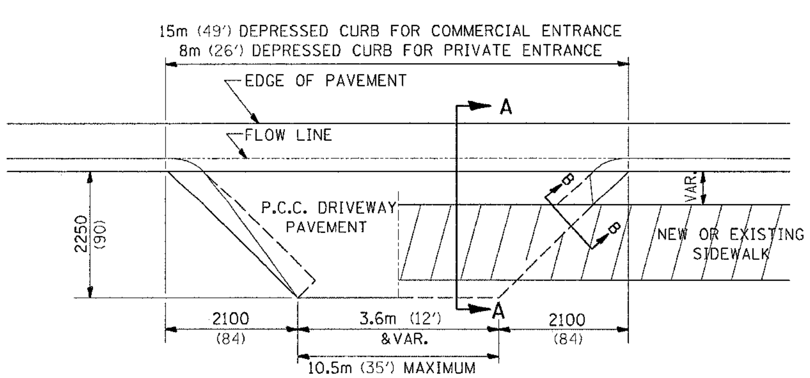


SEC B-B

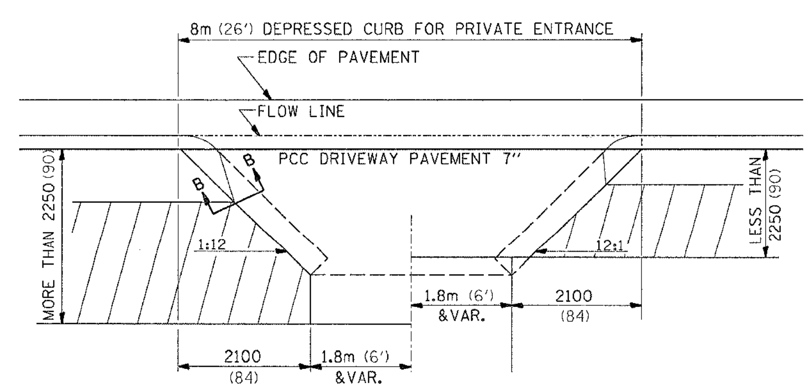


DESCENDING APPROACH

* IN CASES WHERE GRADE EXCEEDS 12%, THE RESIDENT ENGINEER SHALL CHECK WITH DISTRICT DESIGN OFFICE TO DETERMINE NEW APPROACH GRADE. PARTICULAR ATTENTION SHALL BE PAID TO THE NEGATIVE GRADE TO PREVENT DRAINAGE FROM OVER FLOWING INTO THE PRIVATE ENTRANCE.

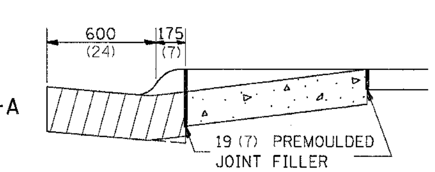


NO SIDEWALK EXISTING SIDEWALK



NEW SIDEWALK

SECTION A-A



THE VARIABLE HEIGHT INTEGRAL CURB AND PREMOULDED JOINT FILLER WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF DRIVEWAY PAVEMENT OF THE THICKNESS SPECIFIED.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

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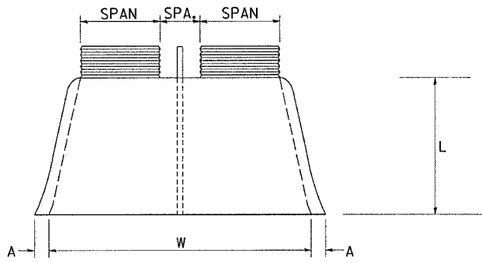
CONTRACT NO. 64237

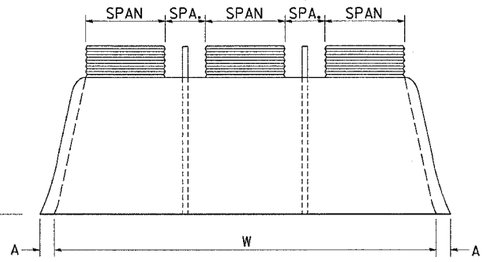
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	133
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52) **(16,17,18)RS-3 & (16BR)M-1

CORRUGATED STEEL PIPE MULTIPLE END SECTIONS



PLAN



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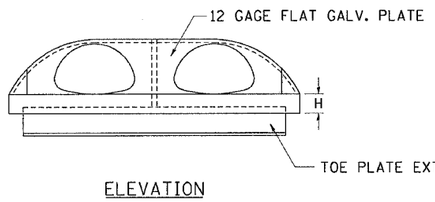
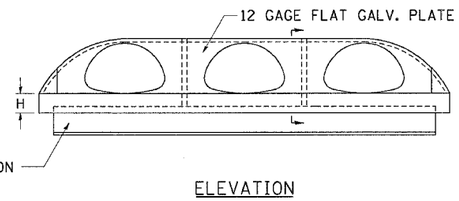


ELEVATION



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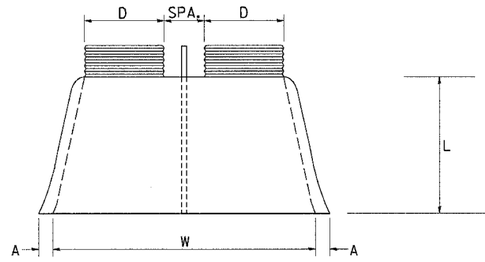

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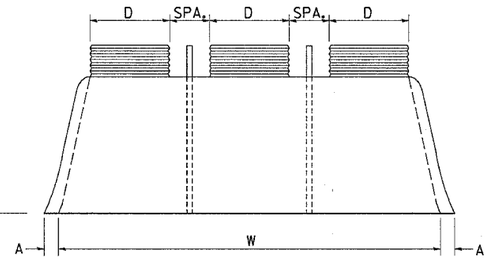

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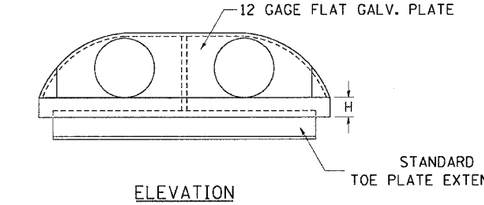

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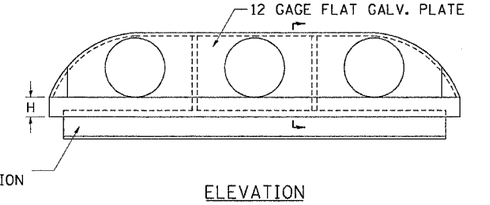

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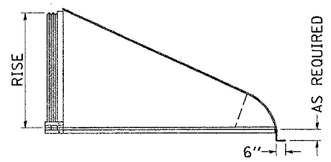
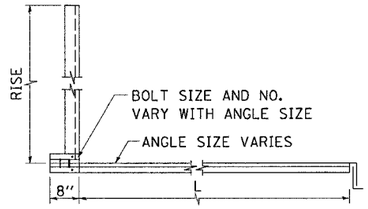
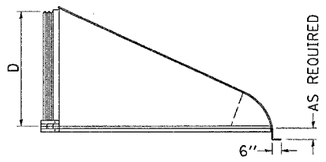


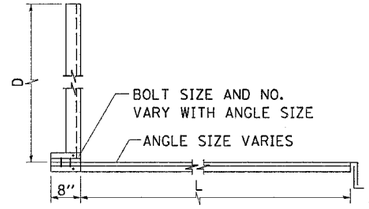
SIDE VIEW



SECTION VIEW



SIDE VIEW



ANGLE SECTION VIEW

PIPE-ARCH MULTIPLE INLET END SECTIONS									
SPAN x RISE 2-2/3" x 1/2"	EQUIV. ROUND	GAGE	SPA. (In)	A (In)	H (In)	L (In)	DOUBLE W	TRIPLE W	REINFORCING ANGLE
17 x 13	15	16	12	6 1/2	6	20	59	88	2 x 2 x 1/4
21 x 15	18	16	12	7 1/2	6	24	69	102	2 x 2 x 1/4
24 x 18	21	16	12	8	6	28	78	114	2 x 2 x 1/4
28 x 20	24	16	12	8	6	32	88	128	5 x 3 x 1/4
35 x 24	30	14	12	10	6	39	107	154	5 x 3 x 1/4
42 x 29	36	14	14	12	7 1/2	46	131	187	5 x 3 x 1/4
49 x 33	42	12	17	13 1/2	9	53	150	216	5 x 3 x 1/4
57 x 38	48	12	19	18 1/2	12	62	166	242	6 x 4 x 3/8
64 x 43	54	12	22	18	12	69	188	274	6 x 4 x 3/8
71 x 47	60	12/10	24	18 1/2	12	77	209	304	6 x 4 x 3/8
77 x 62	66	12/10	26	18	12	77	229	332	6 x 4 x 3/8
83 x 67	72	12/10	28	18	12	77	243	354	6 x 4 x 3/8
SPAN x RISE 3"x1" & 5"x1"	EQUIV. ROUND	GAGE	SPA. (In)	A (In)	H (In)	L (In)	DOUBLE W	TRIPLE W	REINFORCING ANGLE
60 x 46	54	12	20	18	12	70	182	262	6 x 4 x 3/8
66 x 51	60	12/10	22	18	12	77	202	290	6 x 4 x 3/8
73 x 55	66	12/10	25	18	12	77	224	322	6 x 4 x 3/8
81 x 69	72	12/10	27	18	12	77	246	354	6 x 4 x 3/8

ROUND PIPE MULTIPLE INLET END SECTIONS								
PIPE DIA. (D) (In)	GAGE	SPA. (In)	A (In)	H (In)	L (In)	DOUBLE W	TRIPLE W	REINFORCING ANGLE
12	16	12	6 1/2	6	21	48	72	2 x 2 x 1/4
15	16	12	7 1/2	6	26	57	84	2 x 2 x 1/4
18	16	12	8	6	31	66	96	2 x 2 x 1/4
21	16	12	10	6	36	75	108	2 x 2 x 1/4
24	16	12	10	6	41	84	120	5 x 3 x 1/4
30	14	15	12 1/4	8	51	102	147	5 x 3 x 1/4
36	14	18	14 1/2	9	60	126	180	5 x 3 x 1/4
42	12	21	17	10 1/2	69	147	210	5 x 3 x 1/4
48	12	24	18 1/2	12	79	162	234	6 x 4 x 7/16
54	12	27	18 1/2	12	84	183	264	6 x 4 x 7/16
60	12/10	30	18	12	88	204	294	6 x 4 x 7/16
66	12/10	33	18	12	87	219	318	6 x 4 x 7/16
72	12/10	36	18	12	88 1/2	228	336	6 x 4 x 7/16
78	12/10	36	18	12	87 1/2	252	366	6 x 4 x 7/16
84	12/10	36	18	12	87 1/2	254	384	6 x 4 x 7/16

NOTE: ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

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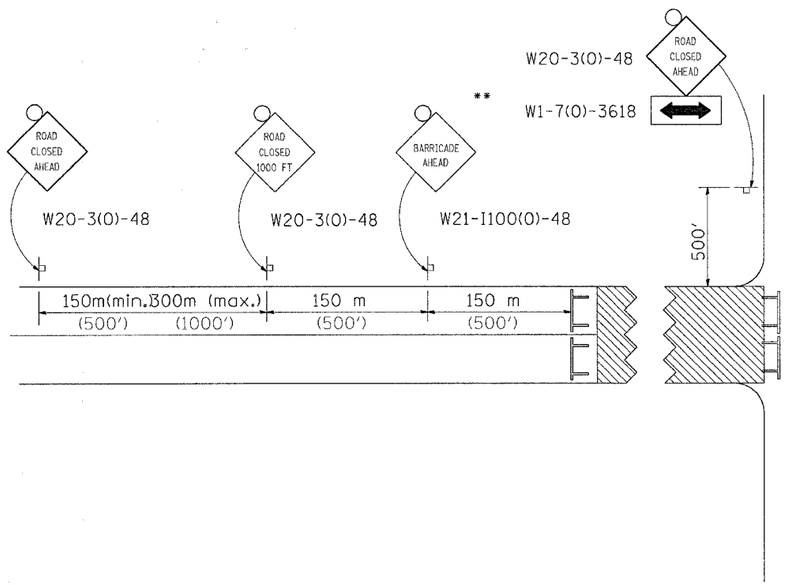
REVISED 8-23-05

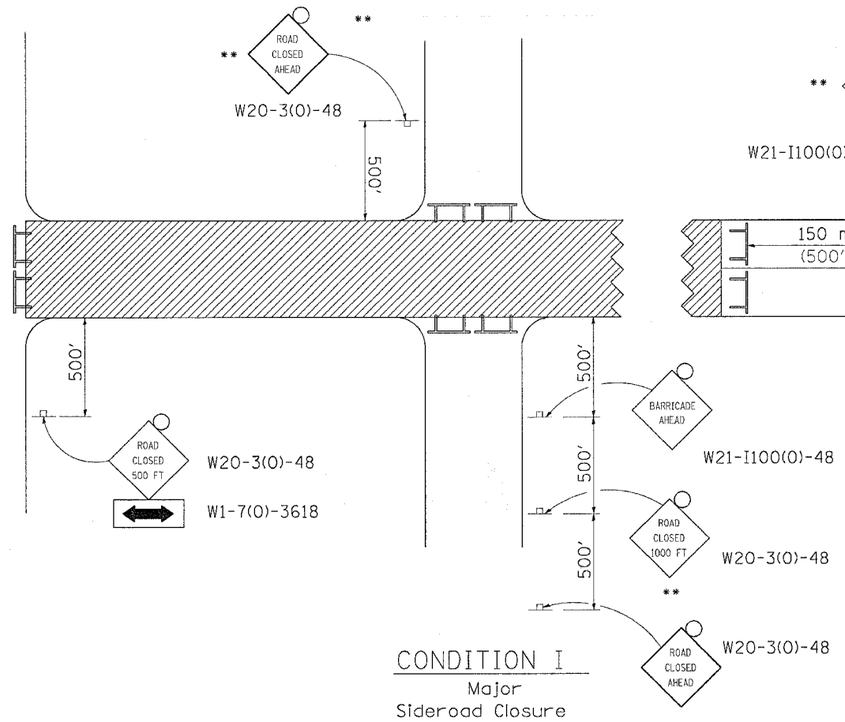
CONTRACT NO. 64237

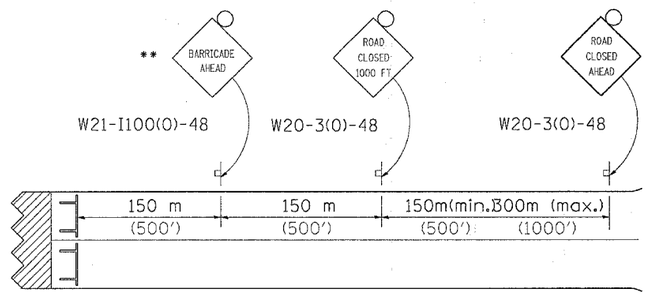
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	134
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52) **(16,17,18)RS-3 & (16BR)M-1

TRAFFIC CONTROL FOR ROAD CLOSURE







GENERAL NOTES

Longitudinal dimensions may be adjusted to fit field conditions.

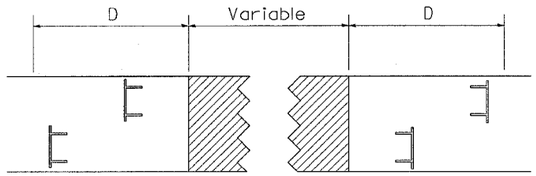
When speed limit is less than 45mph, change sign spacing to 250' and change ROAD CLOSED 1000 FT to ROAD CLOSED 500 FT.

Side roads requiring all three signs as shown in CONDITION I (Major Sideroad Closure), shall be listed in the special provision.

** Where local access is to be maintained, barricades are to be set up as shown in Road Closed to thru traffic.

Type III Barricades and R11-2-4830 signs shall be as shown in "Road Closed To All Traffic" detail on Highway Standard 702001.

ROAD CLOSED TO THRU TRAFFIC BARRICADE SET UP



Type III Barricades and R11-4-4830 signs shall be as shown in "Road Closed To All Thru Traffic" detail on Highway Standard 702001. If the distance "D" exceeds 600 m (2000') an additional set of barricades and R11-4-4830 shall be placed at each end of the work area.

SYMBOLS

Work area

Type III Barricade with Flashers

Sign with flashing light

All dimensions are in millimeters (inches) unless otherwise shown.

TYPICAL APPLICATION FOR ROAD CLOSURE

REVISED 10-20-04

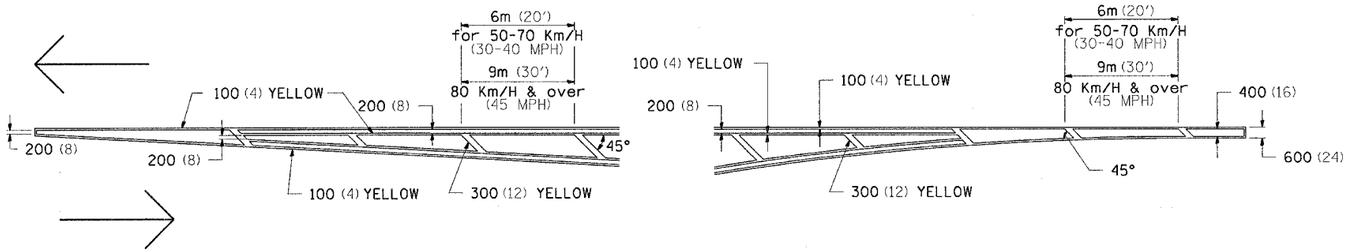
CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	135
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

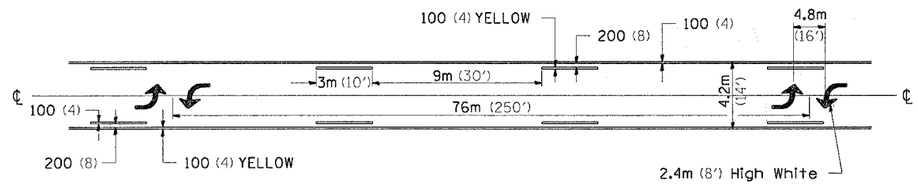
*(US 52) **(16,17,18)RS-3 & (16BR)M-1

TYPICAL PAVEMENT MARKINGS

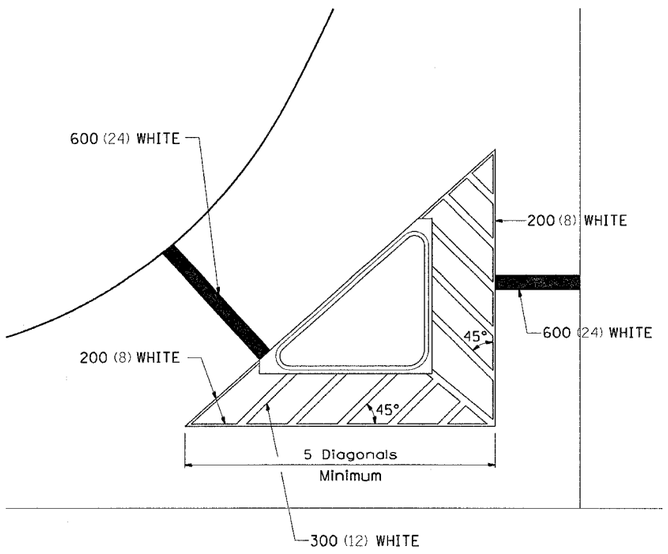
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE



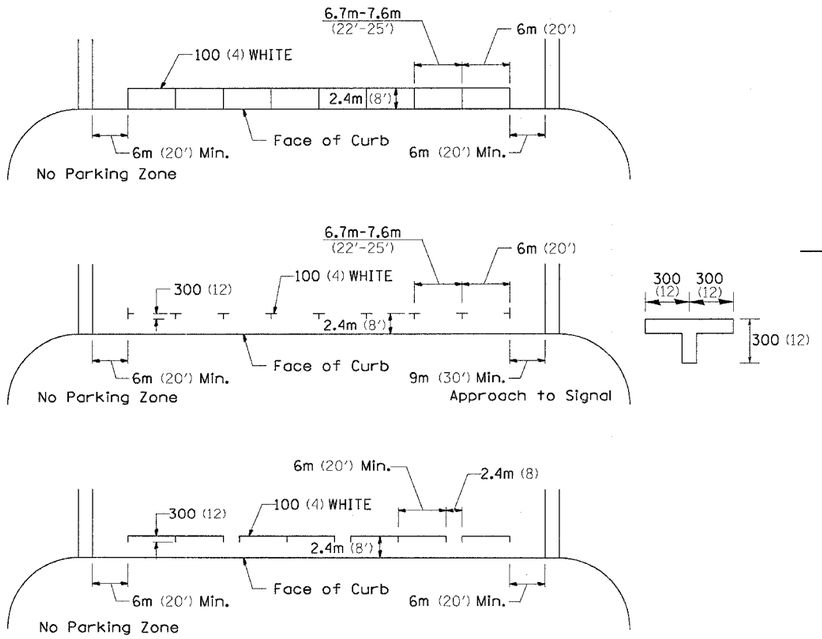
MEDIAN PAVEMENT MARKING



TYPICAL ISLAND OFFSET SHOULDER WIDTH



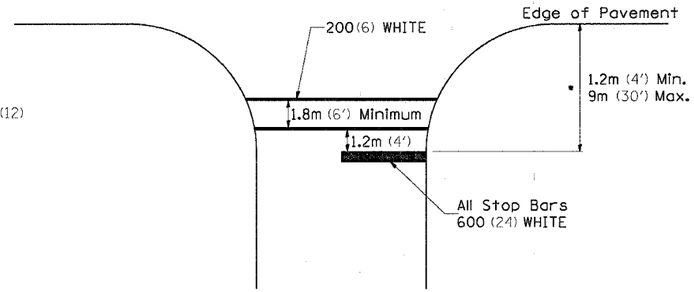
TYPICAL PARKING SPACING



** ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

STANDARD CROSSWALK MARKING

See Schedules for Locations



• Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

PLOT DATE = Wed Mar 07 13:51:34 2007
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REFERENCE = REF

REVISED 7-20-06

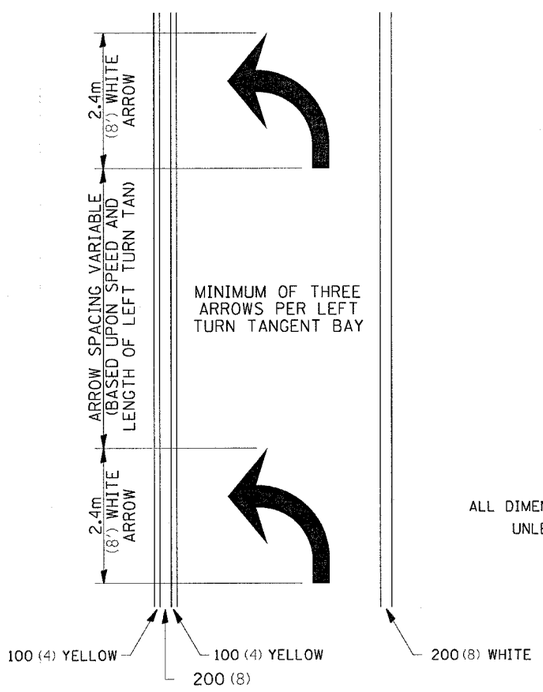
CONTRACT NO. 64237

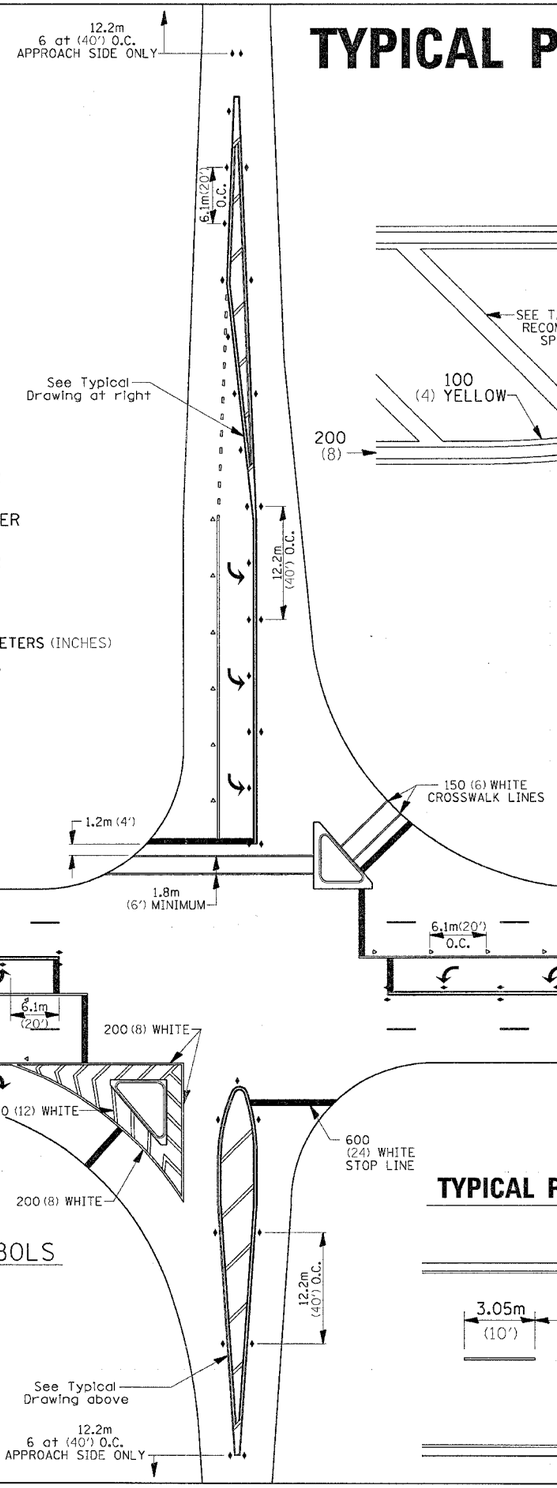
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	136
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52) **(16,17,18)RS-3 & (16BR)M-1

TYPICAL PAVEMENT MARKINGS

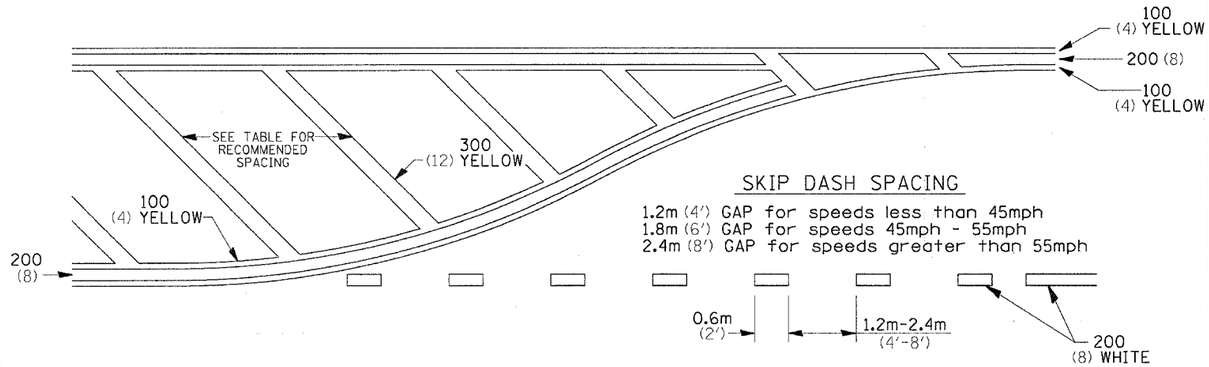
ARROW LAYOUT





ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

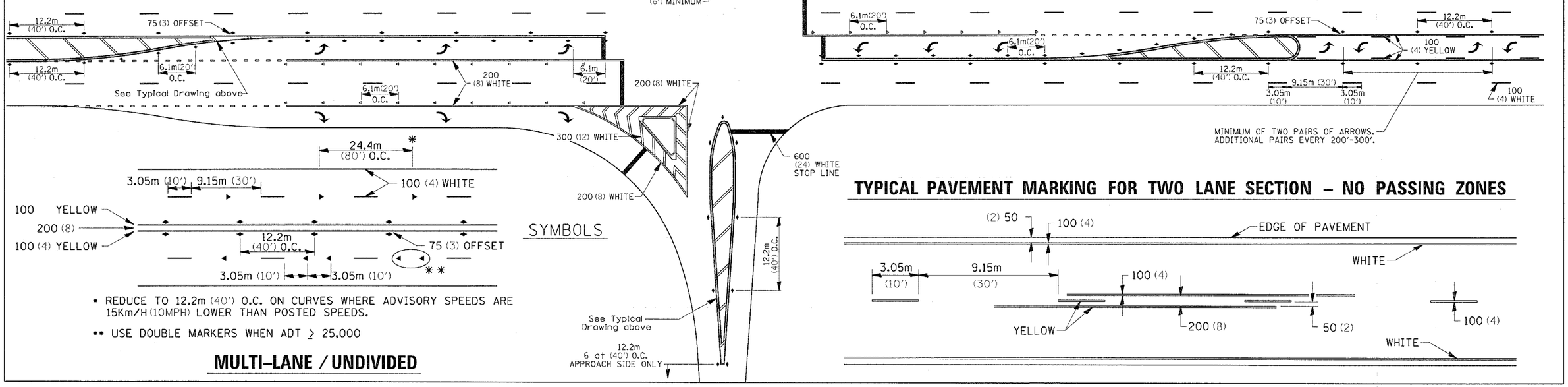
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 50Km/H (30MPH)	15.3m (50')	4.53m (15')	3.05m (10')
50-60Km/H (30-40MPH)	22.9m (75')	6.1m (20')	4.53m (15')
70Km/H (45MPH) & over	22.9m (75')	9.05m (30')	6.1m (20')

NOTE: if the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



SYMBOLS

* REDUCE TO 12.2m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 15Km/H (10MPH) LOWER THAN POSTED SPEEDS.

** USE DOUBLE MARKERS WHEN ADT ≥ 25,000

MULTI-LANE / UNDIVIDED

TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES

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REFERENCE = REF

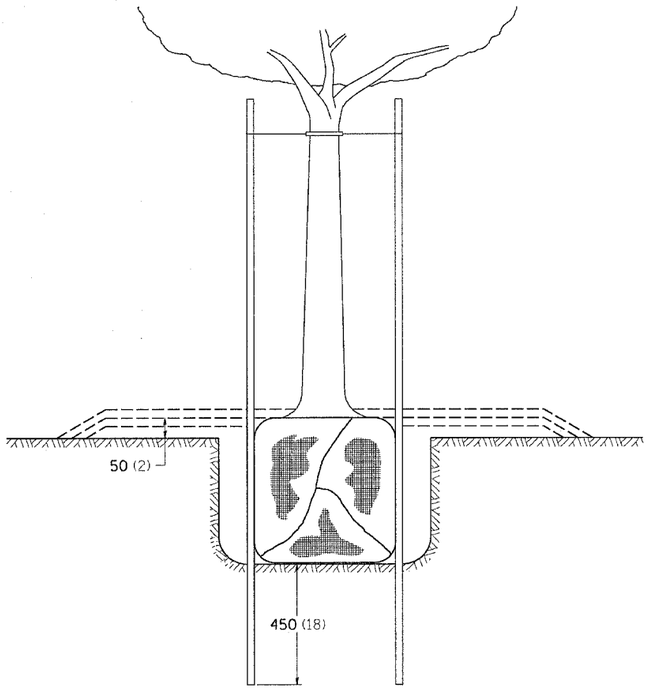
REVISED 7-20-06

CONTRACT NO. 64237

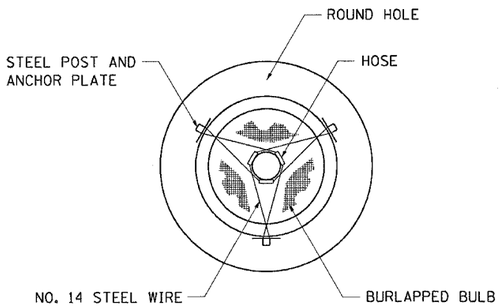
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	137
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52) **(16,17,18)RS-3 & (16BR)M-1

DETAILS OF PLANTING AND BRACING TREES

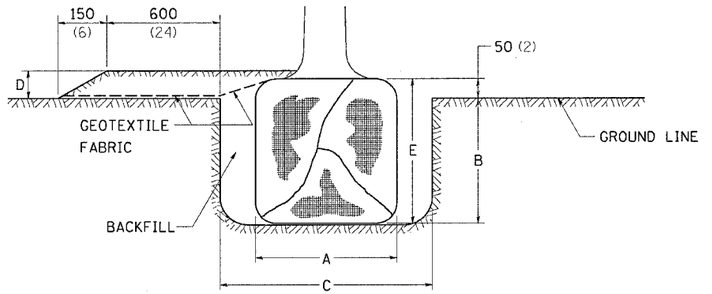


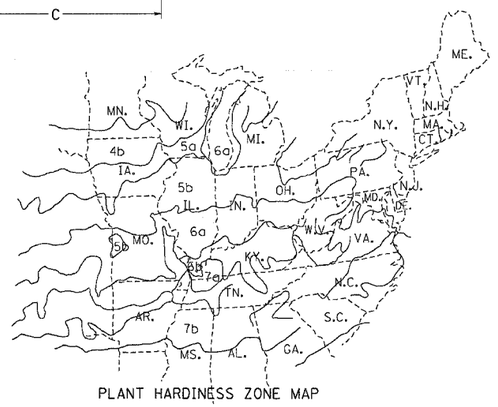
TREES SMALLER THAN 115 (4 1/2) IN DIAMETER



SMALL TREE SIZE	A DIAMETER OF BALL OR ROOT SYS.	B DEPTH OF HOLE EXCAVATION	C WIDTH OF HOLE EXCAVATION	D THICKNESS OF MULCH COVER	E DEPTH OF BALL OR ROOT SYS.	F VOLUME OF MULCH COVER m^3 (CU. YDS.)
1.5-1.8m (5'-6')	400 (16)	250 (10)	750 (30)	100 (4)	300 (12)	0.41 (0.54)
1.5-1.8m (5'-6') BB	400 (16)	250 (10)	750 (30)	100 (4)	300 (12)	0.41 (0.54)
1.8-2.0m (6'-7') BB	450 (18)	300 (12)	750 (30)	100 (4)	350 (14)	0.41 (0.54)
2.0-2.4m (7'-8') BB	500 (20)	275 (11)	750 (30)	100 (4)	325 (13)	0.41 (0.54)
2.4-3.0m (8'-10') BB	600 (24)	350 (14)	900 (36)	100 (4)	400 (16)	0.47 (0.61)
3.0-3.6m (10'-12') BB	650 (26)	375 (15)	900 (36)	100 (4)	425 (17)	0.47 (0.61)

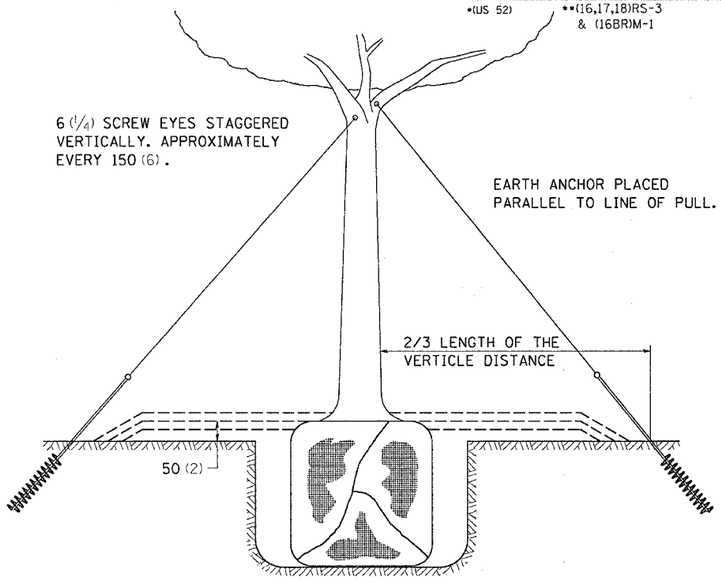
LARGE TREE SIZE	A DIAMETER OF BALL OR ROOT SYS.	B DEPTH OF HOLE EXCAVATION	C WIDTH OF HOLE EXCAVATION	D THICKNESS OF MULCH COVER	E DEPTH OF BALL OR ROOT SYS.	F VOLUME OF MULCH COVER m^3 (CU. YDS.)
0-50 (0-2)	500 (20)	275 (11)	900 (36)	100 (4)	325 (13)	0.47 (0.61)
50-65 (2-2 1/2)BB	600 (24)	350 (14)	1200 (48)	100 (4)	400 (16)	0.60 (0.78)
65-75 (2 1/2-3)BB	700 (28)	425 (17)	1200 (48)	100 (4)	475 (19)	0.60 (0.78)
75-90 (3-3 1/2) BB	800 (32)	425 (17)	1500 (60)	100 (4)	475 (19)	0.73 (0.96)
90-100 (3 1/2-4) BB	900 (36)	500 (20)	1500 (60)	100 (4)	550 (22)	0.73 (0.96)
100-115 (4-4 1/2) BB	1000 (40)	550 (22)	1800 (72)	100 (4)	600 (24)	0.89 (1.16)
115-125 (4 1/2-5) BB	1100 (44)	600 (24)	1800 (72)	100 (4)	650 (26)	0.89 (1.16)
125-140 (5-5 1/2) BB	1200 (48)	675 (27)	2100 (84)	100 (4)	725 (29)	1.06 (1.38)



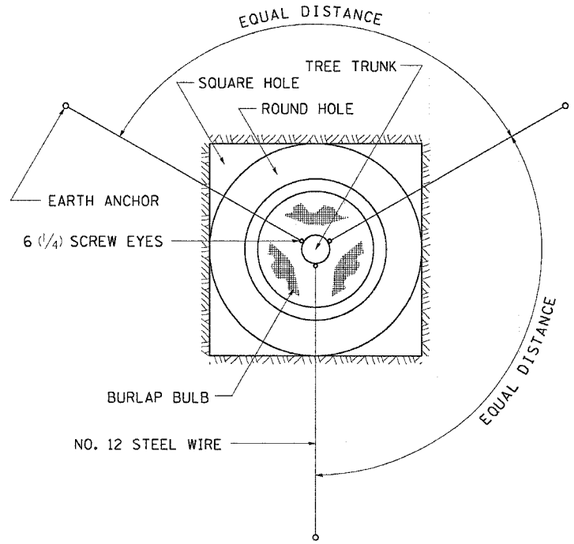


PLANT HARDINESS ZONE MAP

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
PUBLICATION NO. 814



TREES OVER 115 (4 1/2) IN DIAMETER



ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

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PLOT SCALE = 50.0000 '/ IN.
PLOT SCALE = #REF!
REFERENCE = #REF!

DETAILS OF PLANTING AND BRACING TREES **92.1**

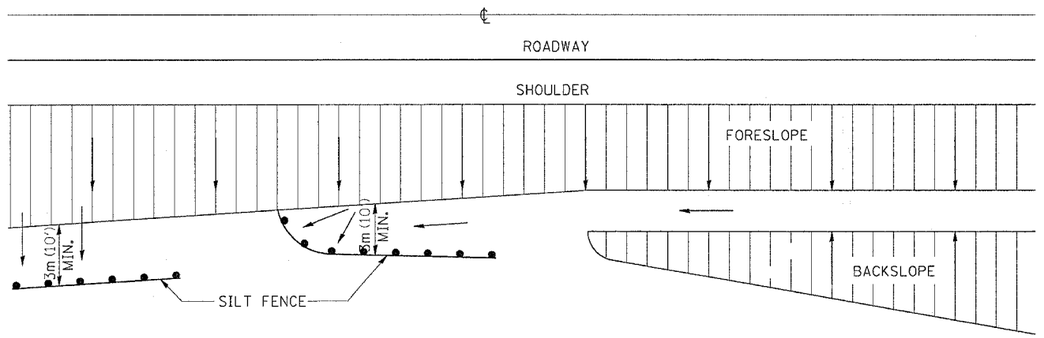
REVISED 10-15-04

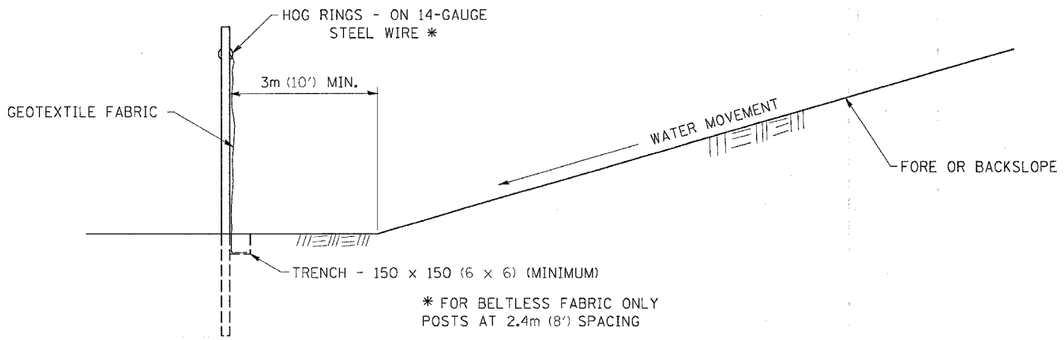
CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	138
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52) **(16,17,18)RS-3 & (16BR)M-1

EROSION CONTROL DETAILS FOR SILT FENCE





DETAILS OF SILT FENCE

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

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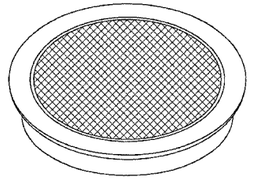
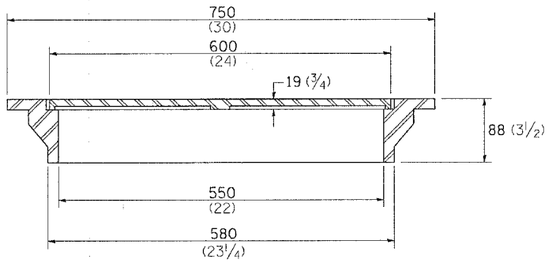
REVISED 10-22-01

FIELD TILE JUNCTION VAULTS 600 (24) AND 900 (36) DIA.

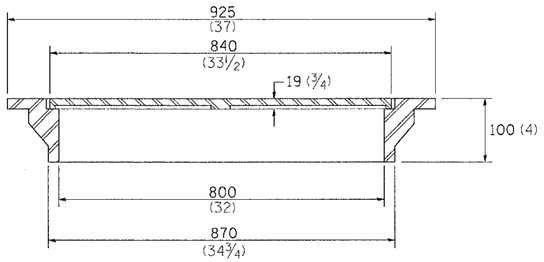


FRAME & LID FOR 600 (24) VAULT

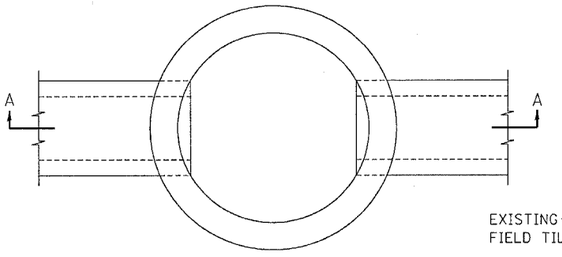


TOTAL WEIGHT: 66 Kg (146 lbs)

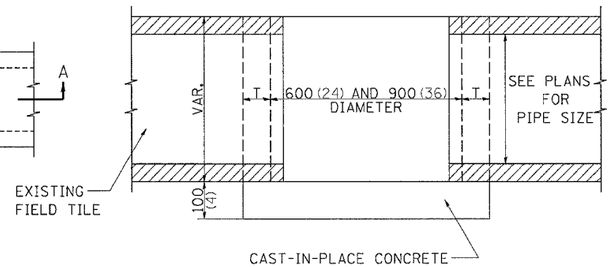
FRAME & LID FOR 900 (36) VAULT



TOTAL WEIGHT: 127 Kg (280 lbs)



PLAN

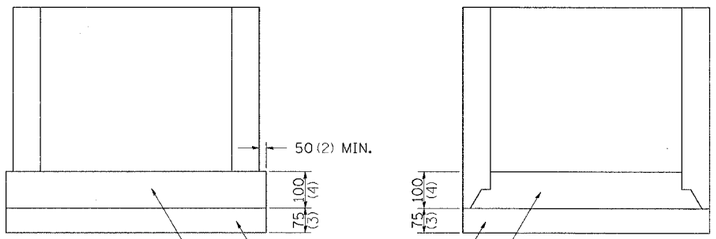


SECTION A-A

ALTERNATE MATERIALS FOR WALLS	T
BRICK MASONRY	200 (8)
CAST-IN-PLACE CONCRETE	150 (6)
CONCRETE MASONRY UNIT	125 (5)
PRECAST REINFORCED CONCRETE SECTION	75 (3)

NOTE: THE FRAME AND LID IS REQUIRED ON ALL JUNCTION VAULTS.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.



ALTERNATE METHODS

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REVISED 5-03-94

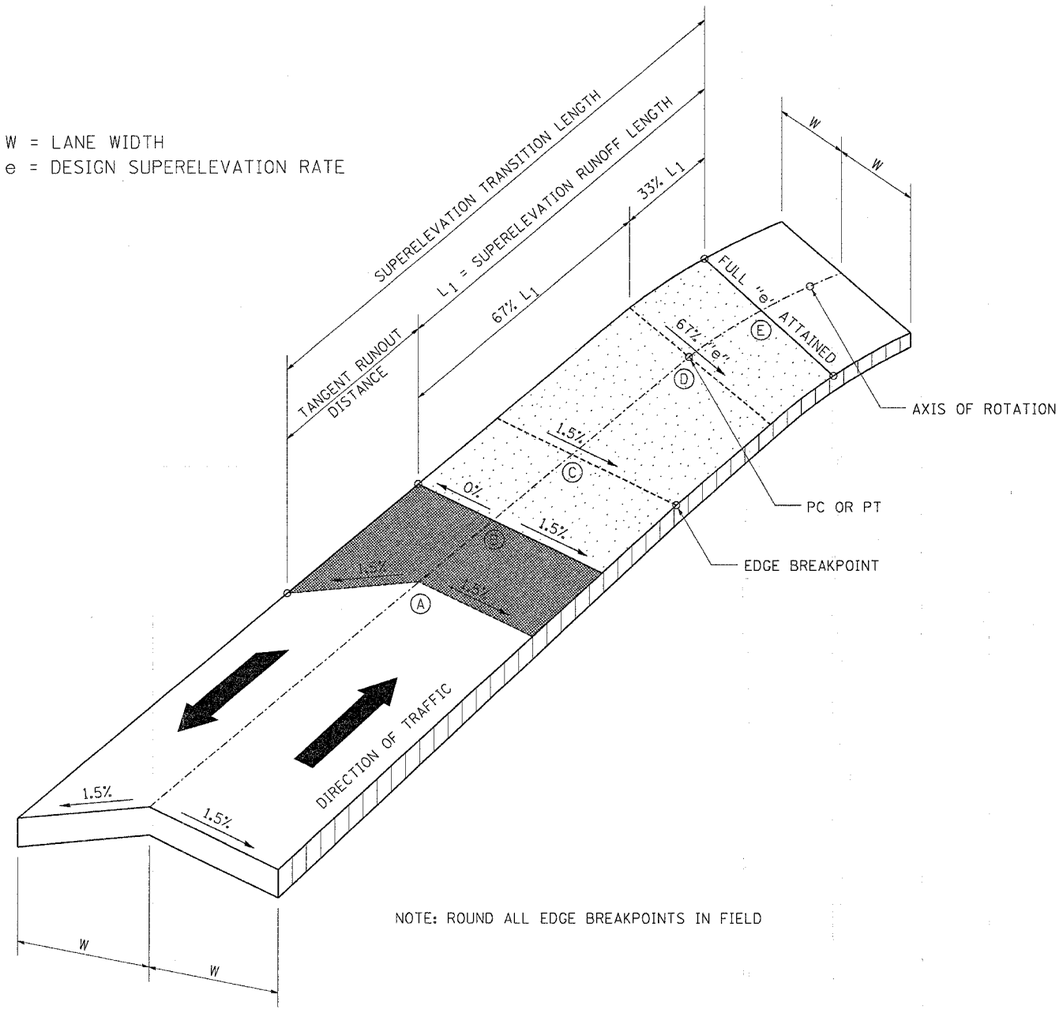
SUPERELEVATION TRANSITION ON TWO-LANE HIGHWAY

CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•2079	••	CARROLL&OGLE	232	139
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

•(US 52) ••(16,17,18)RS-3 & (16BR)M-1

W = LANE WIDTH
e = DESIGN SUPERELEVATION RATE



NOTE: ROUND ALL EDGE BREAKPOINTS IN FIELD

TRANSITION CURVE TABLE

CURVE PI STA.	SUPERELEVATION "e"	W	SUPERELEVATION TRANSITION LENGTH	TANGENT RUNOUT DISTANCE	SUPERELEVATION RUNOFF LENGTH
121+31.42	0.06 FT/FT	13'	210'	42'	168'

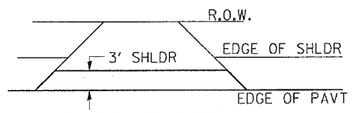
REVISED 10-15-04

CONTRACT NO. 64237

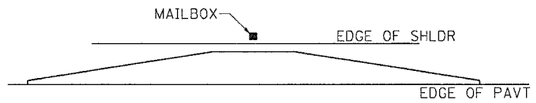
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	140
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52) **(16,17,18)RS-3 & (16BR)M-1

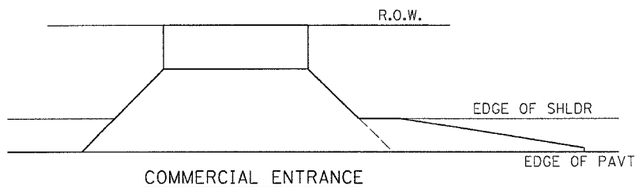
HOT–MIX ASPHALT APPROACHES & MAILBOX RETURNS FOR TWO LIFT (3P) RESURFACING PROJECTS



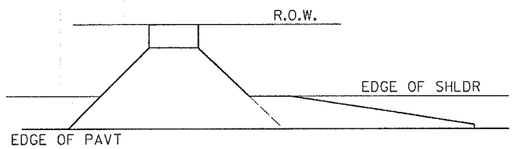
FIELD ENTRANCE



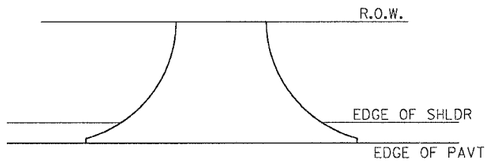
MAILBOX TURNOUT



COMMERCIAL ENTRANCE



PRIVATE ENTRANCE



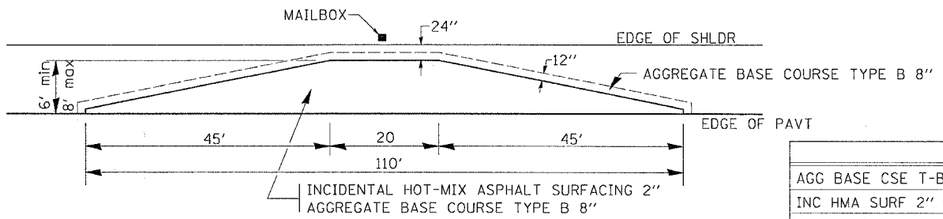
SIDE ROAD RETURN

NOTE: EXISTING HMA PE's, CE's, SR's, & MB TURNOUTS
Place 2 1/4 " Incidental Hot-Mix Asphalt Surfacing *40800050 on entrance to conform to the existing configuration.

EXISTING AGG. PE's & CE's
Place 2" Incidental Hot-Mix Asphalt Surfacing *40800050 on existing entrance to conform to the present configuration.

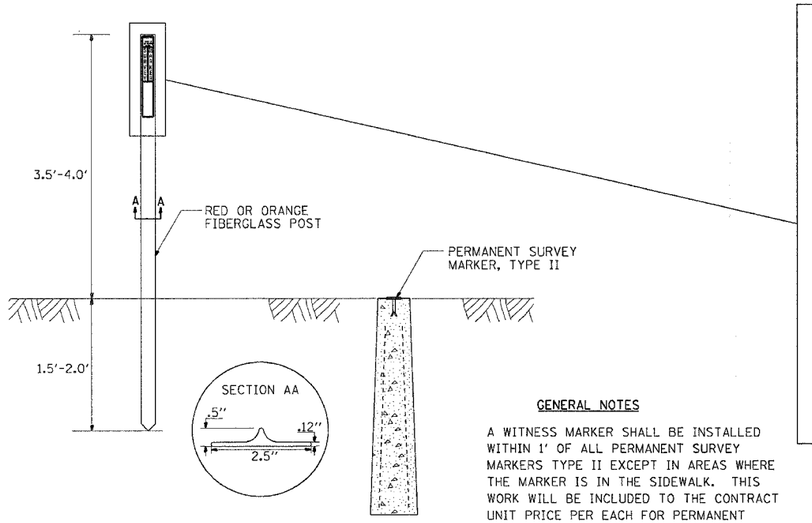
EXISTING AGG. SIDEROADS
Place 3" Incidental Hot-Mix Asphalt Surfacing *40800050 on sideroad to conform to the present configuration.

EXISTING AGG. MAILBOX TURNOUTS
Existing Agg. Mailbox Turnouts shall be constructed as shown below.



	6'	8'
AGG BASE CSE T-B (TON)	24.5	31.1
INC HMA SURF 2" (TON)	5.8	7.8
BIT PRIME COAT (TON)	0.06	0.08

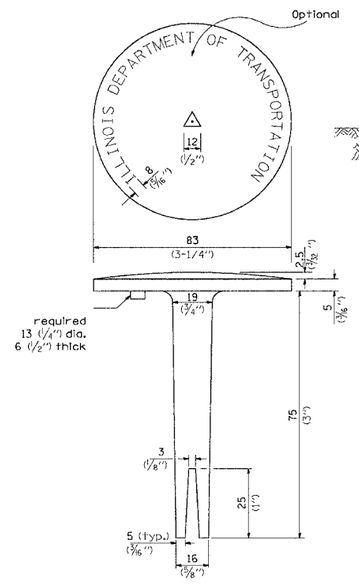
WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



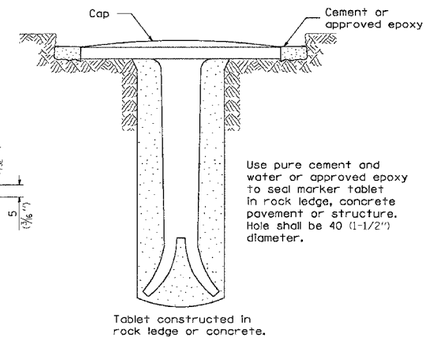
GENERAL NOTES

A WITNESS MARKER SHALL BE INSTALLED WITHIN 1' OF ALL PERMANENT SURVEY MARKERS TYPE II EXCEPT IN AREAS WHERE THE MARKER IS IN THE SIDEWALK. THIS WORK WILL BE INCLUDED TO THE CONTRACT UNIT PRICE PER EACH FOR PERMANENT SURVEY MARKERS, TYPE II.

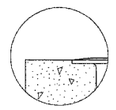
PERMANENT SURVEY MARKERS, TYPE II

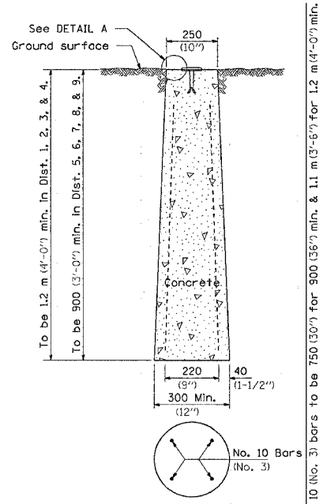


BRASS OR ALUMINUM TABLET



TYPE II


DETAIL A

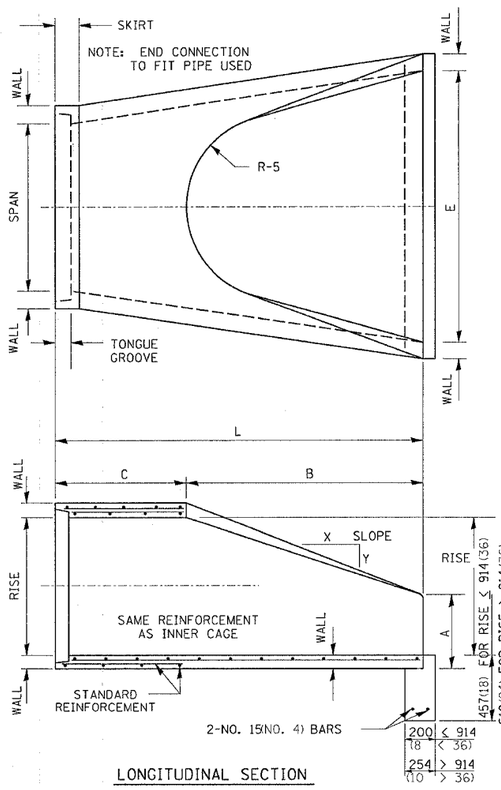


TYPE II
CAST-IN-PLACE MARKER

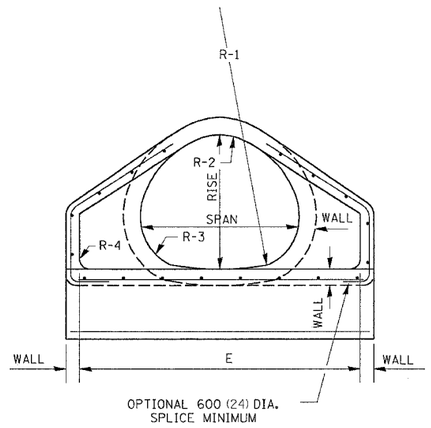
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

PRECAST REINFORCED CONCRETE ARCH DIAMETER FLARED END SECTION

SIZE	WALL	SPAN	RISE	L	B	C	E	A	SLOPE	R-1	R-2	R-3	R-4	R-5
450 (18)	64 (2½)	559 (22)	343 (13½)	1829 (72)	686 (27)	1143 (45)	914 (36)	178 (7)	1:2.16	699 (27½)	349 (13¾)	133 (5¼)	51 (2)	305 (12)
600 (24)	76 (3)	724 (28½)	457 (18)	1829 (72)	991 (39)	838 (33)	1219 (48)	203 (8)	1:2.29	1033 (40⅝)	370 (14⅝)	117 (4⅝)	76 (3)	356 (14)
750 (30)	89 (3½)	921 (36¼)	572 (22½)	1829 (72)	1219 (48)	610 (24)	1524 (60)	254 (10)	1:2.34	1295 (51)	476 (18¾)	156 (6⅛)	76 (3)	381 (15)
900 (36)	102 (4)	1111 (43¾)	676 (26⅝)	2438 (96)	1524 (60)	914 (36)	1828 (72)	270 (10⅝)	1:2.4	1575 (62)	572 (22½)	165 (6½)	152 (6)	508 (20)
1050 (42)	114 (4½)	1308 (51⅛)	795 (31⅝)	2438 (96)	1524 (60)	914 (36)	1981 (78)	402 (15⅞)	1:2.35	1854 (73)	667 (26¼)	197 (7¾)	152 (6)	559 (22)
1200 (48)	127 (5)	1485 (58½)	914 (36)	2438 (96)	1524 (60)	914 (36)	2134 (84)	533 (21)	1:2.31	2134 (84)	762 (30)	225 (8⅞)	152 (6)	559 (22)
1350 (54)	140 (5½)	1651 (65)	1016 (40)	2438 (96)	1524 (60)	914 (36)	2286 (90)	648 (25½)	1:2.26	2350 (92½)	848 (33⅜)	254 (10)	152 (6)	610 (24)
1500 (60)	152 (6)	1854 (73)	1143 (45)	2438 (96)	1905 (75)	533 (21)	2438 (96)	660 (26)	1:2.34	2667 (105)	953 (37½)	281 (11⅛)	152 (6)	533 (21)
1800 (72)	178 (7)	2235 (88)	1371 (54)	2540 (100)	1981 (78)	559 (22)	3048 (120)	889 (35)	1:2.29	3200 (126)	1143 (45)	338 (13⅜)	152 (6)	610 (24)



LONGITUDINAL SECTION



END VIEW

NOTES:

PRECAST CONCRETE FLARED END SECTIONS SHALL CONFORM TO THE APPLICABLE REQUIREMENT OF AASHTO M-206.

PRECAST CONCRETE FLARED END SECTION FOR PIPE ARCH DIAMETER REQUIRED SHALL BE AS INDICATED ON DETAIL PLAN FOR EACH INDIVIDUAL INSTALLATION.

THE END BLOCK SHALL BE PLACED PRIOR TO THE INSTALLATION OF THE FLARED END SECTION. THE END BLOCK SHALL BE BACKFILLED IN ACCORDANCE WITH ART. 502.10 (502.11) OF THE STANDARD SPECIFICATIONS, COST INCIDENTAL TO END SECTION.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

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PRECAST REINFORCED CONCRETE ARCH DIAMETER FLARED END SECTION **86.2**

REVISED 10-20-87

CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	141
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52)

**(16,17,18)RS-3 & (16BR)M-1

ROUGH GROOVED SURFACE SIGN

ILLINOIS STANDARD W8-I107

SIGN PANEL TYPE 1

COLOR: LEGEND AND BORDER - BLACK NON-RELFLECTIVE
BACKGROUND - ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
1200x1200 (48x48)	1200 (48.0)	600 (24.1)	75 (3.0)	850 (34.0)	825 (33.0)	150 (6.0)	325 (13.0)	88 (3.5)

SIGN SIZE	SERIES LINES			MARGIN	BORDER	BLANK STD.
	1	2	3			
1200x1200 (48x48)	7C	7C	7C	20 (0.8)	30 (1.2)	B4-48D

ALL DIMENSIONS IN INCHES.

GENERAL NOTES

SIGN PANELS AND FACE MATERIALS SHALL BE ACCORDING TO SECTION 720 OF THE STANDARD SPECIFICATIONS.

METAL POSTS SHALL BE IN ACCORDANCE WITH STD. 720011.

ALL MOUNTING HARDWARE SHALL BE ALUMINUM, STAINLESS STEEL, ZINC OR CADMIUM PLATED STEEL AND SHALL BE INCIDENTAL TO THE COST OF THE INSTALLATION.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

ROUGH GROOVED SURFACE SIGN **91.2**

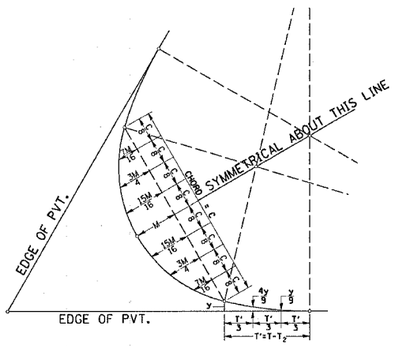
REVISED 1-27-00

CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	142
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52) **(16,17,18)RS-3 & (16BR)M-1

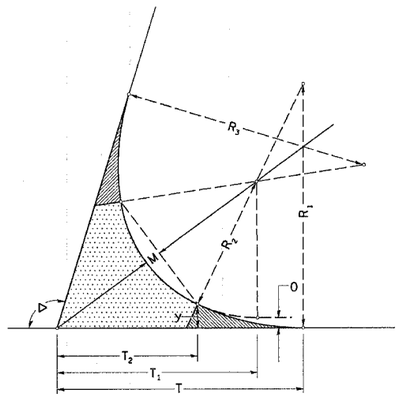
THREE CENTER CURVE DATA



FIELD LAYOUT METHOD

SYMMETRICAL CURVES

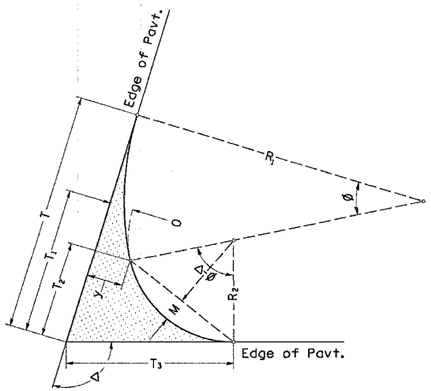
CURVE *							
R_1							
R_2							
R_3							
O							
Δ							
T							
T_1							
T_2							
T'							
y							
$\frac{4y}{9}$							
$\frac{y}{9}$							
M							
$\frac{15M}{16}$							
$\frac{3M}{4}$							
$\frac{7M}{16}$							
C							



FOR SYMMETRICAL CURVES

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

TWO CENTER CURVE DATA



TWO CENTER CURVES

CURVE *	1	2	3				
R_1	350	360	300				
R_2	50	60	50				
O	10	14	12				
Δ	99.937	70.868	95.988				
T	138.08	128.41	133.30				
T_1	61.27	37.84	56.78				
T_2	48.47	19.72	41.47				
T_3	69.67	57.51	67.59				
y	11.67	16.80	14.40				
$\frac{4y}{9}$	5.19	7.47	6.40				
$\frac{y}{9}$	1.30	1.87	1.60				
M	13.17	6.37	11.19				
$\frac{15M}{16}$	12.34	5.97	10.49				
$\frac{3M}{4}$	9.87	4.78	8.39				
$\frac{7M}{16}$	5.76	2.79	4.89				
C	67.62	53.82	63.04				

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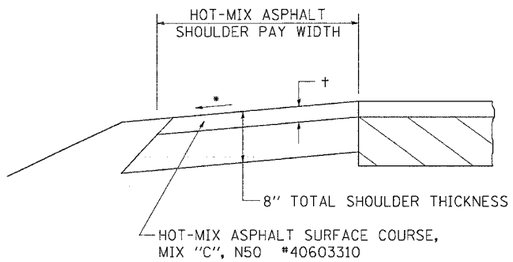
TWO AND THREE CENTER CURVE DATA **92.2**

REVISED 3-22-90

HOT–MIX ASPHALT SHOULDER



† = SEE TYPICAL SECTIONS FOR THICKNESS

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

GENERAL NOTES

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 *40603310. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 *40603310 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED.

USE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 *40603310. WHEN RESURFACING EXISTING HOT-MIX ASPHALT SHOULDERS. THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 *40603310.

REMOVAL OF MATERIAL FOR PLACEMENT OF THE HOT-MIX ASPHALT SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.

* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

HOT–MIX ASPHALT SHOULDER **23.4a**

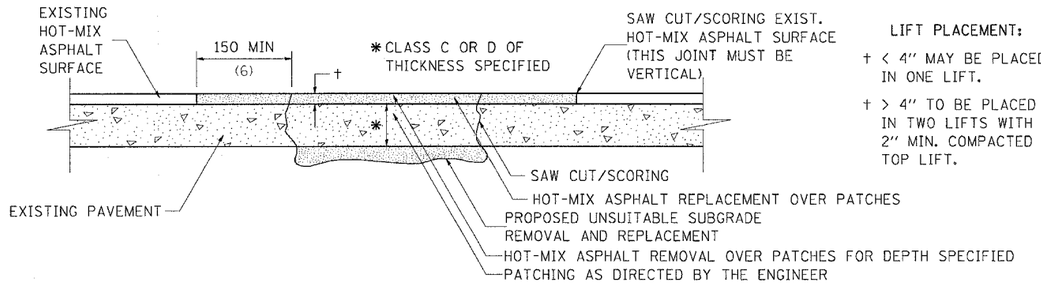
REVISED 10-06-06

CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	143
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52) **(16,17,18)RS-3 & (16BR)M-1

PAVEMENT PATCHING FOR HOT-MIX ASPHALT SURFACED PAVEMENT



LIFT PLACEMENT:

† < 4" MAY BE PLACED IN ONE LIFT.

† > 4" TO BE PLACED IN TWO LIFTS WITH 2" MIN. COMPACTED TOP LIFT.

SEQUENCE OF CONSTRUCTION:

1. REMOVE THE EXISTING HOT-MIX ASPHALT SURFACE.
2. RESIDENT ENGINEER WILL DETERMINE IF LOCATION IS TO BE PATCHED OR TO ONLY REPLACE HOT-MIX ASPHALT SURFACE.
3. REMOVE AND REPLACE FULL DEPTH PATCHES AT LOCATIONS DIRECTED BY THE ENGINEER.
4. REPLACE HOT-MIX ASPHALT SURFACE OVER FULL DEPTH PATCHES AND AT LOCATIONS OF HOT-MIX ASPHALT SURFACE REMOVAL.

GENERAL NOTES:

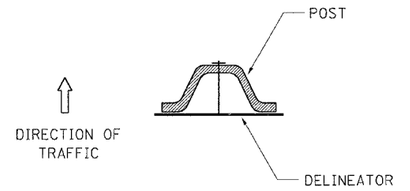
1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 300 (12) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR BASIS OF PAYMENT: SEE SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

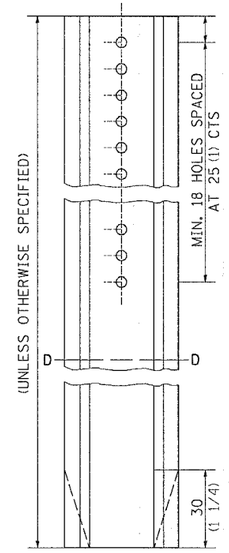
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

PAVEMENT PATCHING FOR HOT-MIX ASPHALT SURFACED PAVEMENT 32.4

REVISED 10-10-06

DELINEATOR AND POST ORIENTATION





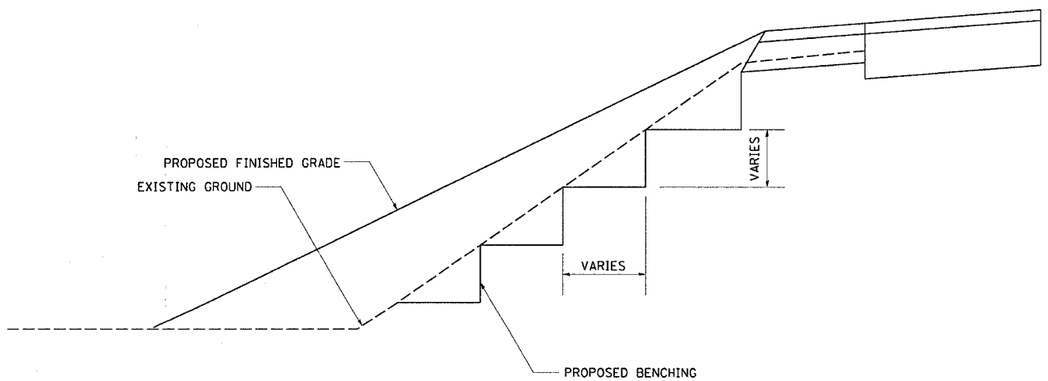
DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180° . THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHECD AS SHOWN ABOVE.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

DELINEATOR AND POST ORIENTATION 37.4

REVISED 1-31-00

TYPICAL BENCHING ON EXISTING EMBANKMENT



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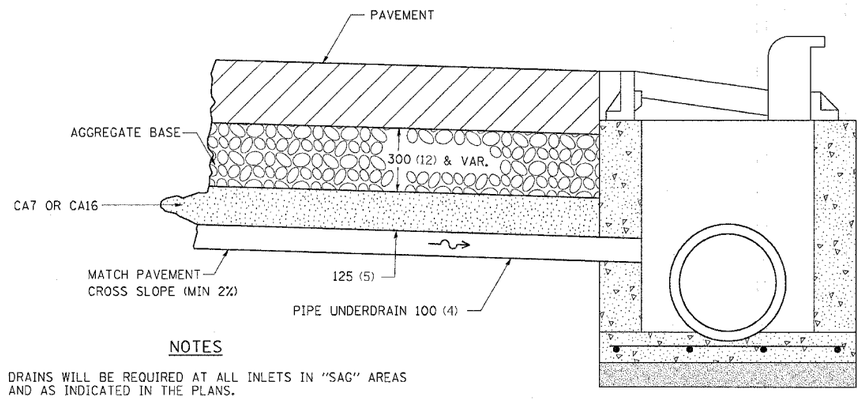
TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

REVISED 2-22-06

DRAIN FOR AGGREGATE BASES IN URBAN AREAS



NOTES

DRAINS WILL BE REQUIRED AT ALL INLETS IN "SAG" AREAS AND AS INDICATED IN THE PLANS.

THIS WORK SHALL BE COMPLETED ACCORDING TO SECTION 601 OF THE STANDARD SPECIFICATIONS.

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER METER (FOOT) FOR PIPE UNDERDRAINS OF THE DIAMETER SPECIFIED WHICH PRICE SHALL INCLUDE THE CA7 OR CA16 AND THE CONNECTION TO THE INLET.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

DRAIN FOR AGGREGATE BASES IN URBAN AREAS 88.4

REVISED 4-7-99

CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	144
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52) **(16,17,18)RS-3 & (16BR)M-1

TREE REPLACEMENT SCHEDULE

CODE NUMBER	SCIENTIFIC NAME	COMMON NAME	SIZE	UNIT	QUANTITY
A2001714	ACER SACCHARUM	SUGAR MAPLE	1 3/4" CALIPER, BALLED & BURLAPPED	EACH	7
A2002914	CELTIS OCCIDENTALIS	COMMON HACKBERRY	1 3/4" CALIPR, BALLED & BURLAPPED	EACH	7
A2006714	QUERCUS MACROCARPA	BUR OAK	1 3/4" CALIPER, BALLED & BURLAPPED	EACH	8
B2000562	AMELANCHIER CANADENSIS	SHADBLOW SERVICEBERRY	4 FT HEIGHT, SHRUB FORM, BALLED & BURLAPPED	EACH	15
B2004814	MALUS SARGENTII	SARGENT CRABAPPLE	1 3/4" CALIPER, BALLED & BURLAPPED	EACH	15

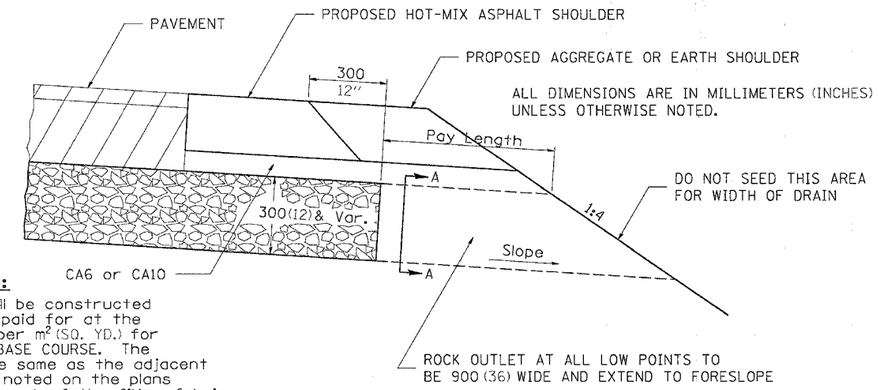
LAYOUT SHALL BE PERFORMED BY THE DISTRICT LANDSCAPE ARCHITECT
MULCH SHALL BE HARDWOOD WOOD CHIPS, 5 FOOT WIDTH, 4 INCHES THICK WITH WEED BARRIER FABRIC

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

TREE REPLACEMENT SCHEDULE 90.4

REVISED 8-10-05

DRAIN FOR AGGREGATE BASE COURSE



NOTES:

The rock outlets shall be constructed using CA7 and will be paid for at the contract unit price per m^2 (SQ. YD.) for DRAIN FOR AGGREGATE BASE COURSE. The thickness shall be the same as the adjacent sub-base material as noted on the plans and shall include the cost of the filter fabric. The Rock outlets will be measured in m^2 (SQ. YD.), the width being 900 (36) by the length shown above. The cost of the CA6 or CA10 under the shoulder shall be included in the contract unit price per m^2 (SQ. YD.) for SUB-BASE GRANULAR MATERIAL, TYPE A of the thickness specified. The filter fabric to be used shall conform to the filter fabric used for Riprap.

SECTION A-A

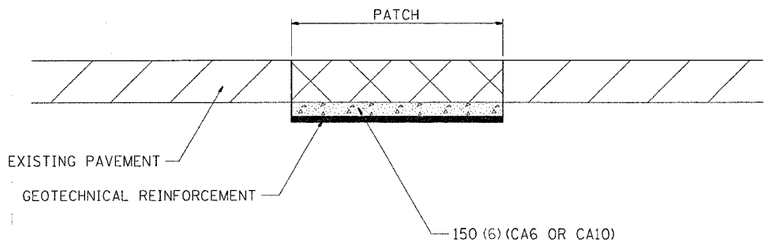
NOTE: Slope same as shoulder with 2% min.

X0325519

DRAIN FOR AGGREGATE BASE COURSE 96.4

REVISED 10-10-06

SUBGRADE REPLACEMENT



NOTES:

GRANULAR SUBGRADE REPLACEMENT and per m^2 (SQ. YD.) for ^{3} (CU. YD.)

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

SUBGRADE REPLACEMENT 97.4

REVISED 4-23-93

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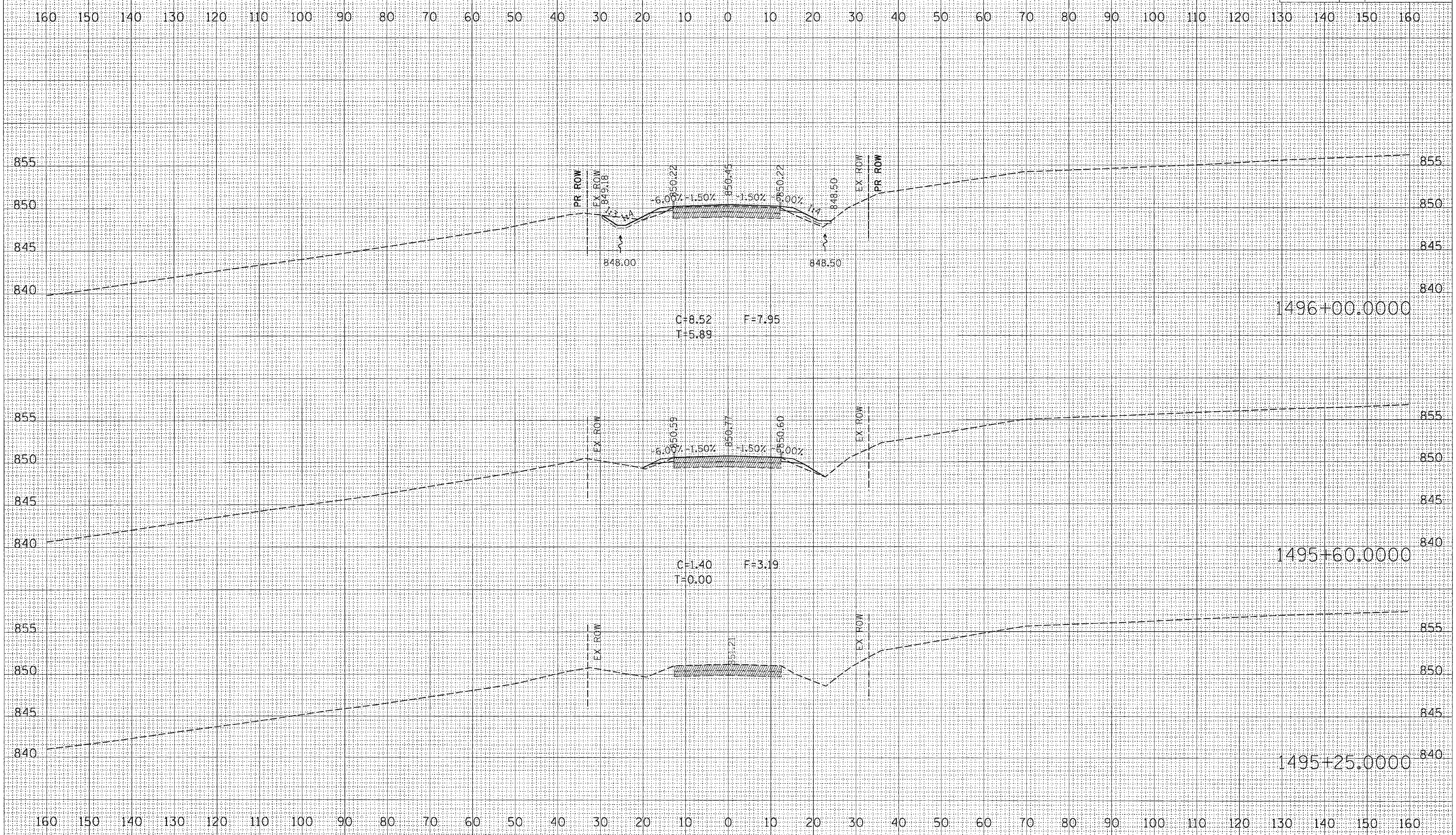
*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	145
STA. 1495+25.0000 TO STA. 1496+00.0000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

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US 52/IL 64

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	146
STA. 1496+50.0000	TO STA. 1497+50.0000			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

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160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

855 850 845 840 835

PR ROW
846.27
EX ROW
1:4
848.63
848.83
-6.00% -1.50% -1.50% -2.00% -6.00%
848.53
EX ROW
1:4
1:3
849.99
PR ROW
845.45
845.35
C=62.77 F=11.63
T=13.05
1497+50.0000

PR ROW
847.43
EX ROW
1:3
1:4
849.32
849.52
-6.00% -1.50% -1.50% -2.00% -6.00%
849.24
EX ROW
1:4
1:3
850.70
PR ROW
846.14
846.06
C=59.77 F=10.31
T=13.52
1497+00.0000

PR ROW
848.42
EX ROW
1:3
1:4
849.85
850.04
-6.00% -1.50% -1.50% -2.00% -6.00%
849.85
EX ROW
1:4
1:3
851.27
PR ROW
846.66
847.00
C=44.30 F=7.94
T=13.26
1496+50.0000

US 52/IL 64

*(16,17,18)RS-3&(16BRM-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	147
STA. 1498+00.0000 TO STA. 1499+00.0000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

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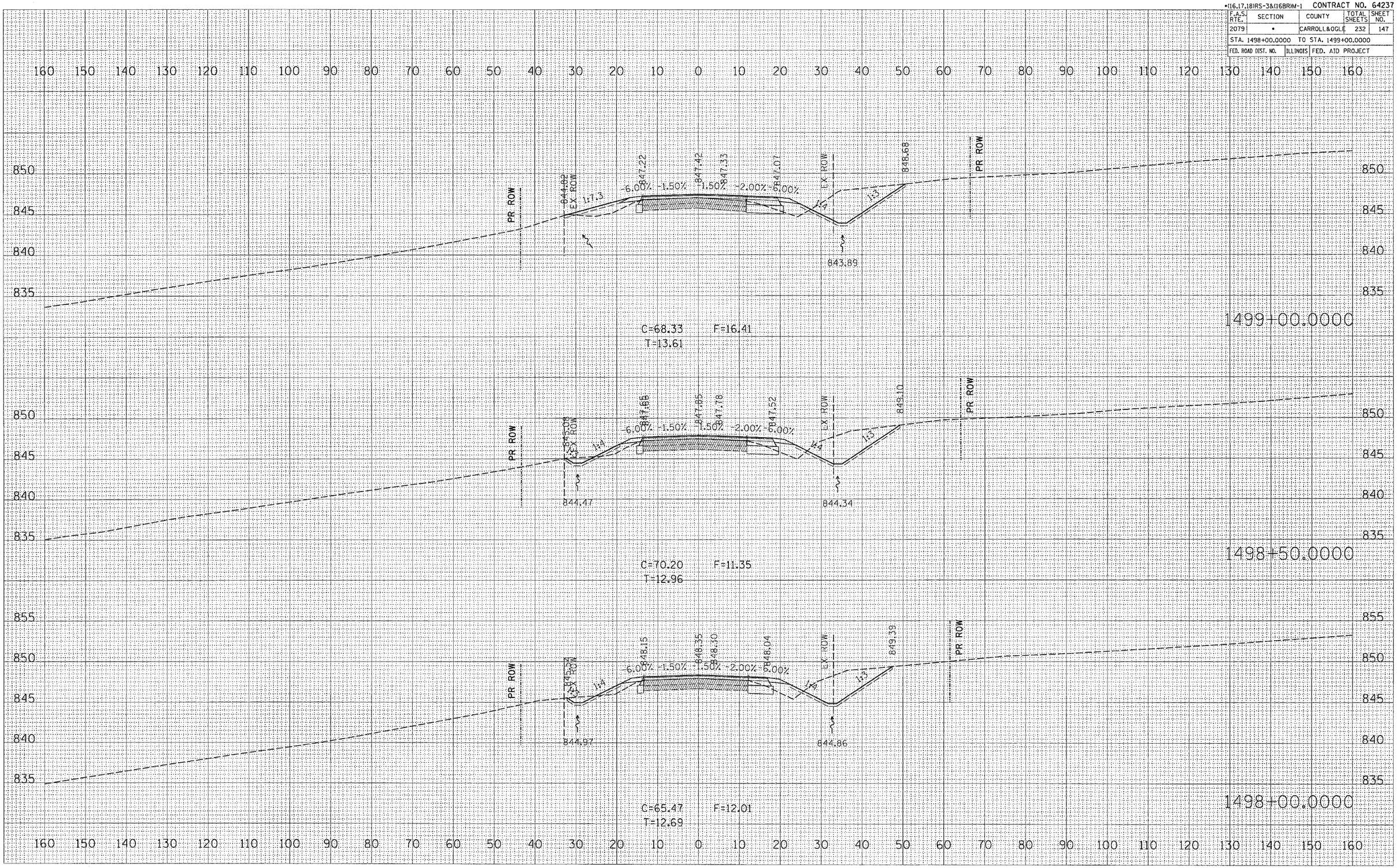
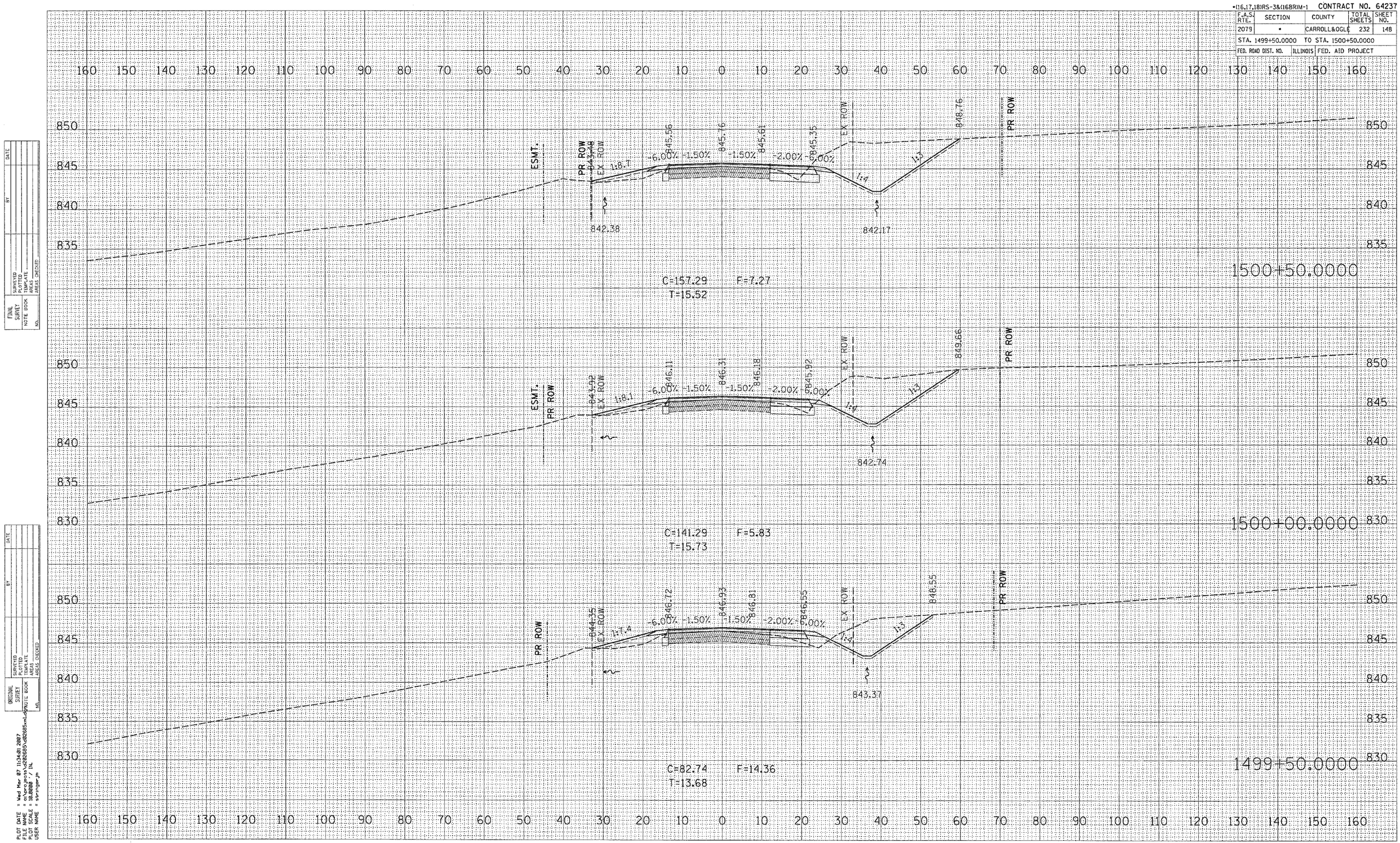


*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	148

STA. 1499+50.0000 TO STA. 1500+50.0000

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT



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

BY	DATE

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

BY	DATE

PLOT DATE = Wed Mar 07 11:34:01 2007
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US 52/IL 64

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	149
STA. 1500+91.5993		TO STA. 1501+50.0000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

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1501+50.0000

EX. ROW 842.62 — 1:4 — 1.20 — 4.00% — 844.41 — -1.50% — 844.61 — -1.50% — 844.42 — -2.00% — 844.16 — 6.00% — EX. ROW — 1:4 — 840.98 — 1:3 — 847.33 — PR. ROW

C=191.03 F=6.98
T=13.47

CEMETERY
COMMERCIAL BITUMINOUS ENTRANCE

ESMT. — EX. ROW 844.98 — -9.22% — -2.00% — -4.00% — -1.50% — 845.18 — -1.50% — 845.01 — -2.00% — 844.75 — 6.00% — EX. ROW — 1:4 — 841.57 — 1:3 — 848.48 — PR. ROW

C=209.83 F=0.00
T=10.71

1501+00.0000

CEMETERY
COMMERCIAL BITUMINOUS ENTRANCE

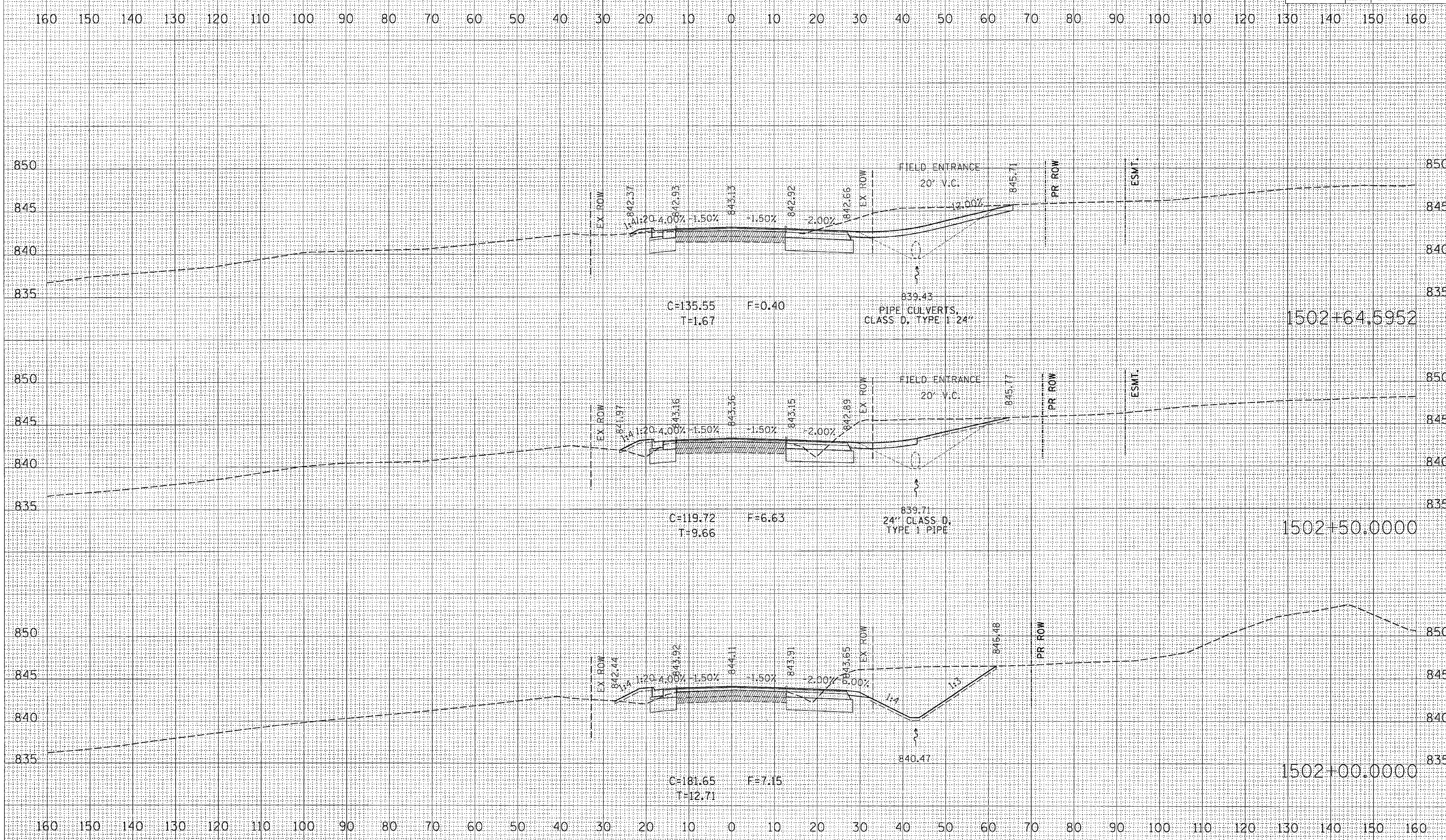
ESMT. — EX. ROW 845.09 — -8.38% — -2.00% — -4.00% — -1.50% — 845.29 — -1.50% — 845.13 — -2.00% — 844.87 — 6.00% — EX. ROW — 1:4 — 841.69 — 1:3 — 848.54 — PR. ROW

C=202.90 F=0.00
T=10.65

1500+91.5993

US 52/IL 64

*(16,17,18)RS-3&(16BR)M-1		CONTRACT NO. 64237		
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	150
STA. 1502+00.0000 TO STA. 1502+64.5952				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

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*(16,17,18)RS-3&(16BRI)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	151
STA. 1503+00.0000 TO STA. 1504+00.0000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

PLOT DATE = Wed Mar 07 11:34:02 2007
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1504+00.0000

EX ROW 840.02 840.21 840.40 840.19 839.93 EX ROW 844.79 PR ROW
1.20 -4.00% -1.50% -1.50% -2.00% -2.00% 1:4 1:3
C=201.61 F=4.80 T=13.70
836.75

1503+50.0000

EX ROW 842.03 841.46 841.65 841.44 841.8 EX ROW 845.54 PR ROW
6.75% -4.00% -1.50% -1.50% -2.00% -2.00% 1:4 1:3
C=201.49 F=4.71 T=13.67
838.00

1503+00.0000

EX ROW 841.99 842.51 842.51 842.30 842.04 EX ROW 845.66 PR ROW
4.90% -4.00% -1.50% -1.50% -2.00% -2.00% 1:4 1:3
C=197.75 F=6.96 T=13.46
838.86

US 52/IL 64

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

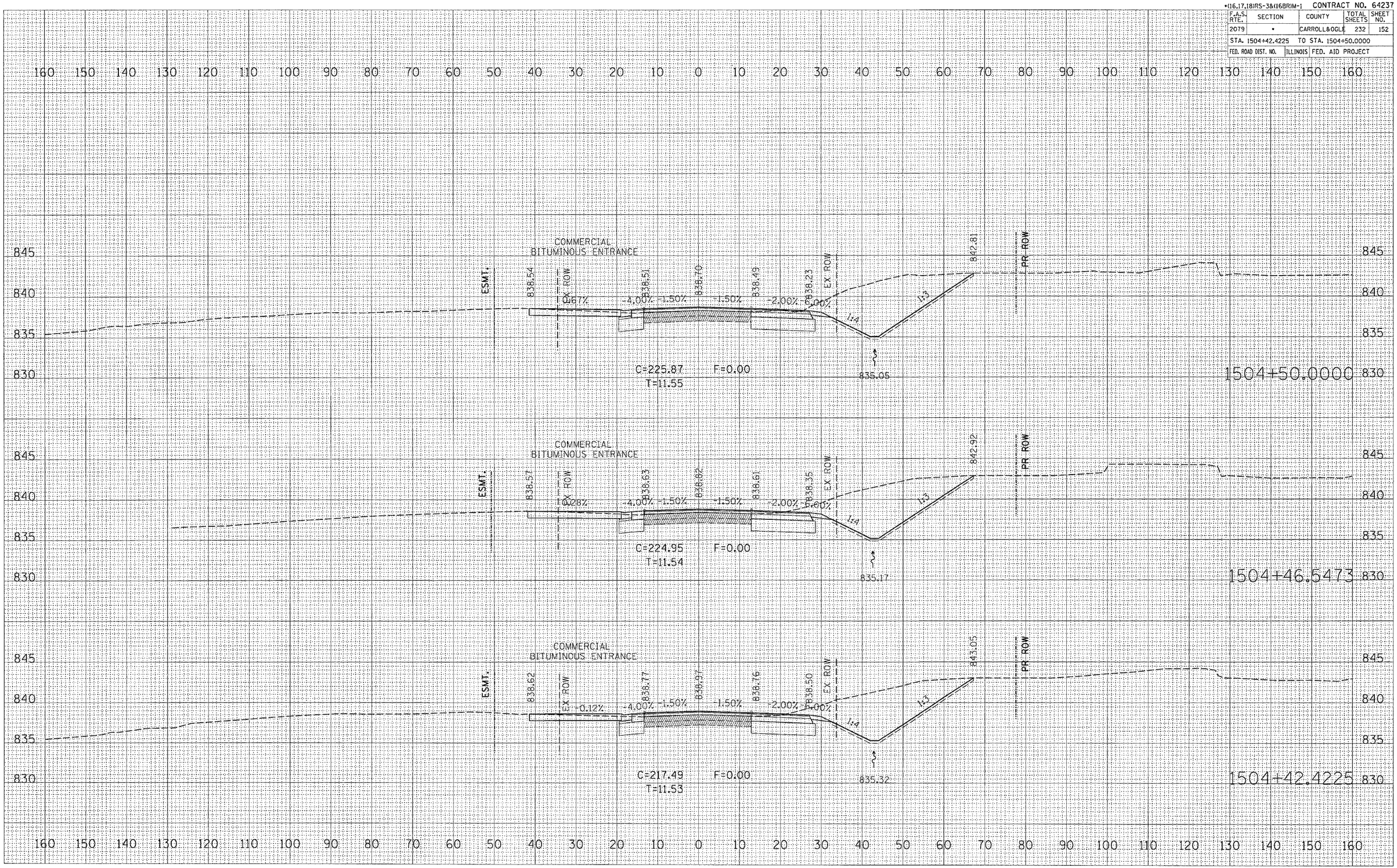
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL & OGLE	232	152
STA. 1504+42.4225	TO STA. 1504+50.0000			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY NOTE BOOK NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY NOTE BOOK NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		



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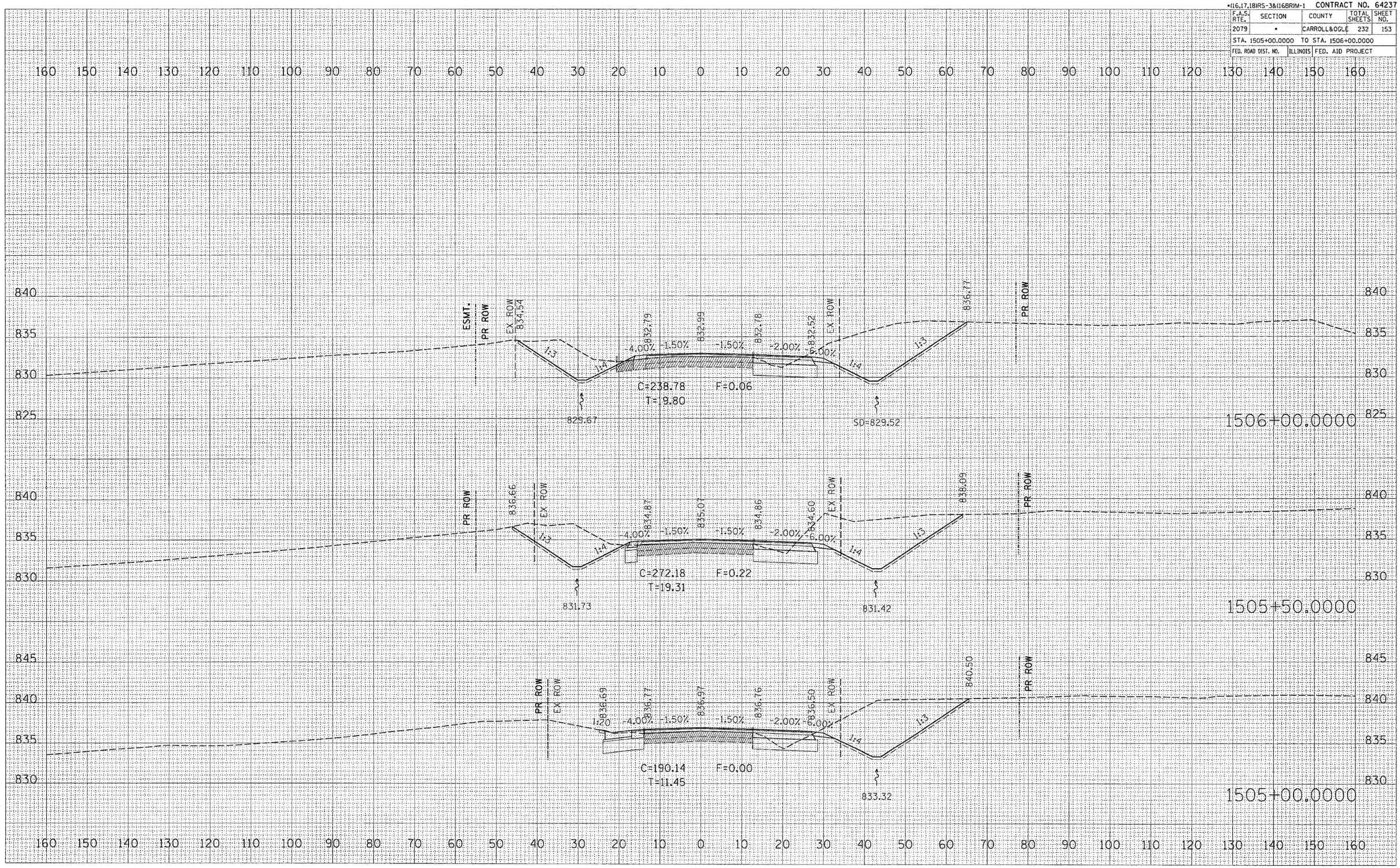
US 52/IL 64

*(16,17,18)RS-3&(16BRJM-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	153
STA. 1505+00.0000 TO STA. 1506+00.0000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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USER NAME = springerjm

ORIGINAL SURVEY	NOTE BOOK	NO.
FINAL SURVEY	NOTE BOOK	NO.

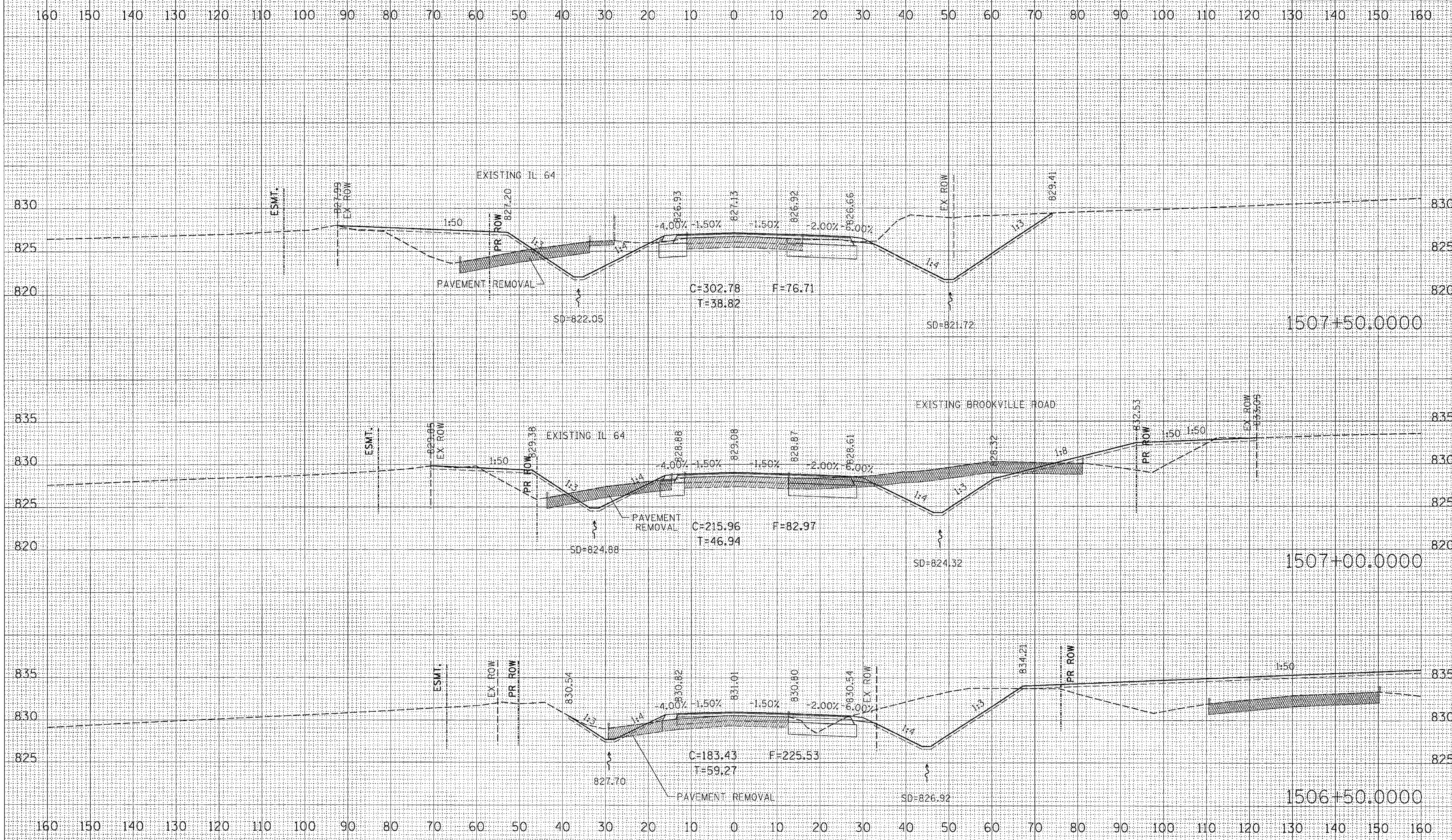
	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
ISSUED		
AREAS CHECKED		

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	154

STA. 1506+50.0000 TO STA. 1507+50.0000

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT



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

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

PLOT DATE = Wed Mar 07 11:34:04 2007
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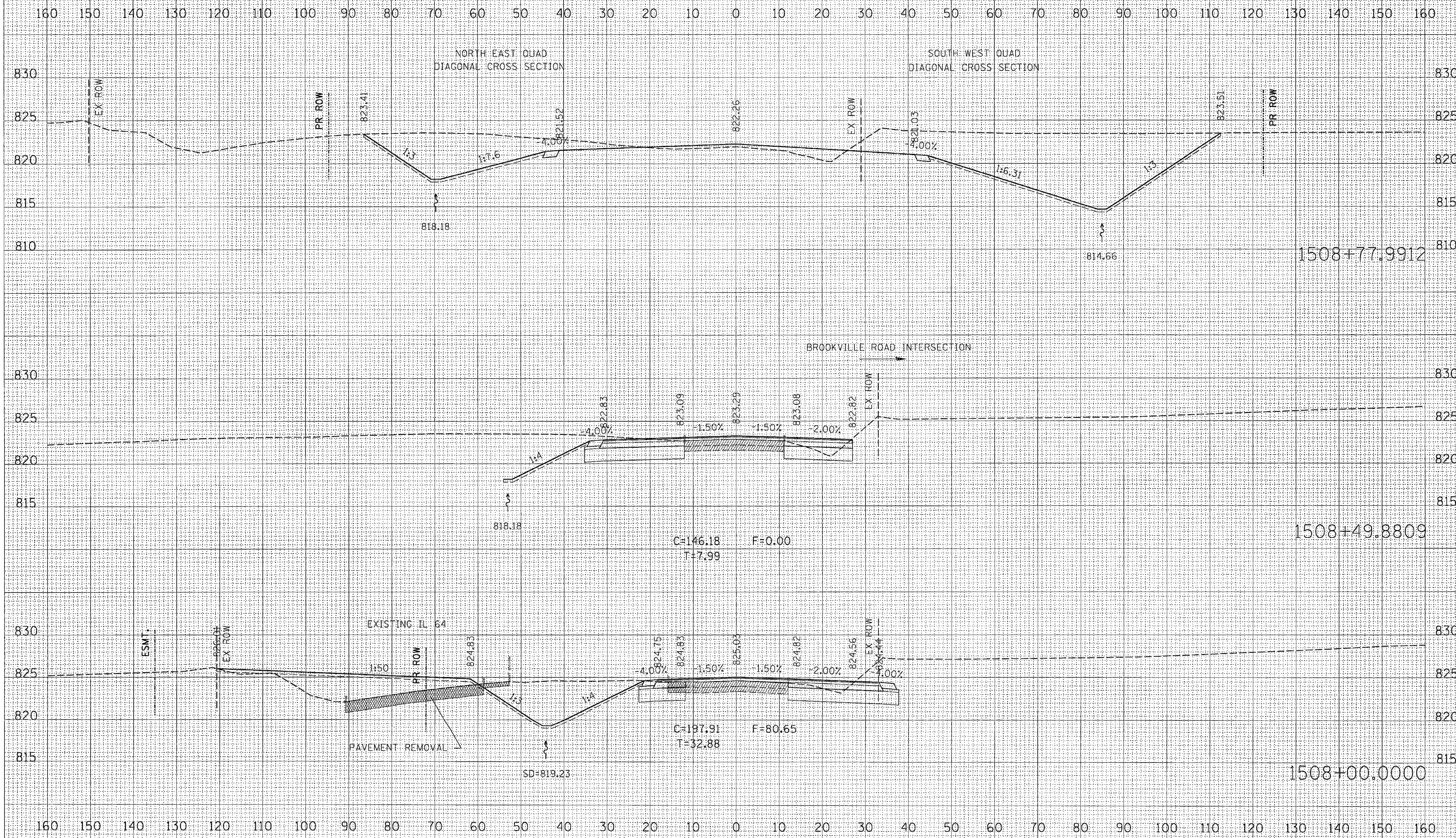
*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	155
STA. 1508+00.0000 TO STA. 1508+77.9912				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

PLOT DATE = Wed Mar 07 11:34:05 2007
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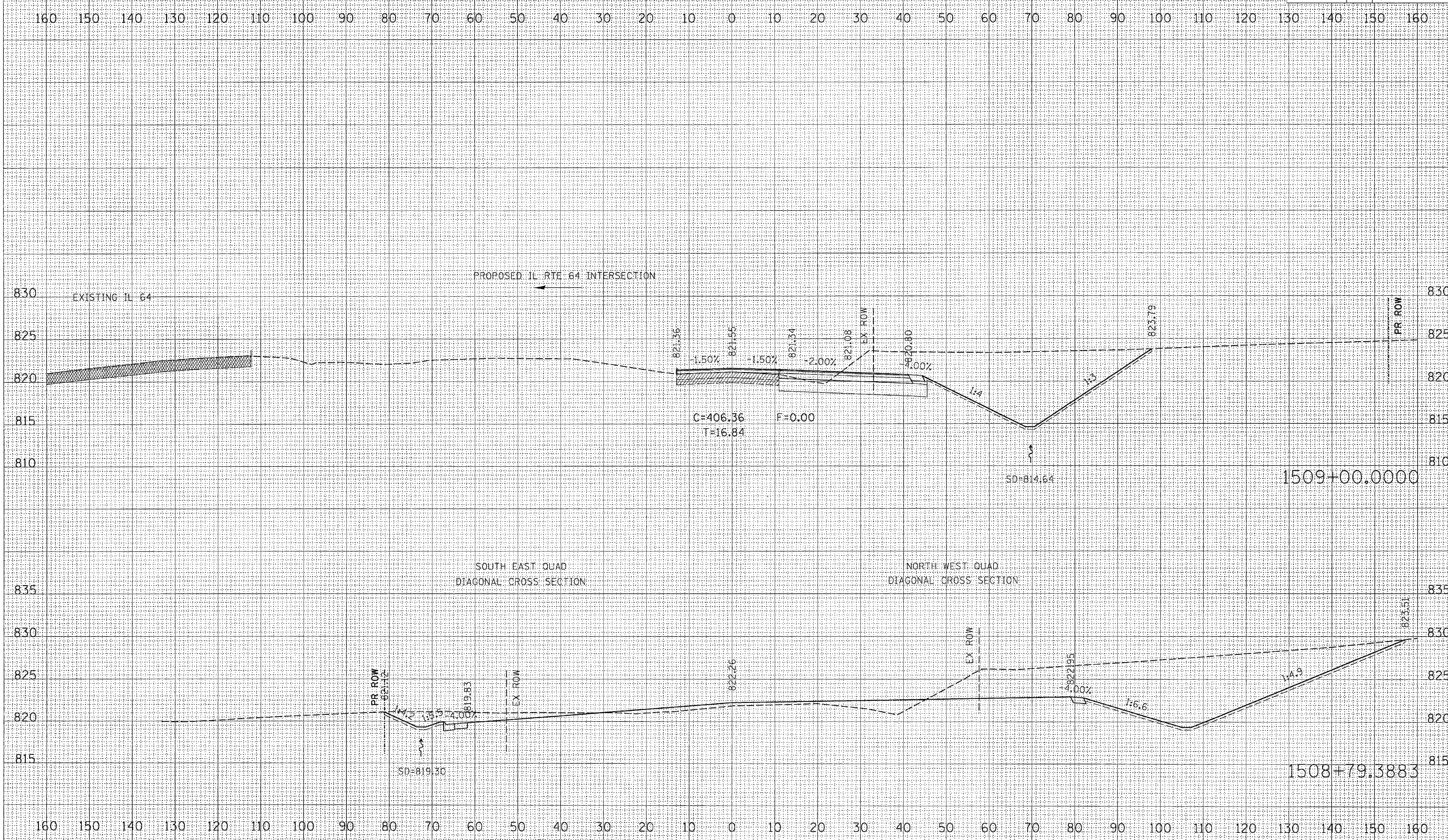
USER NAME = stringerjm

US 52/IL 64

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	156
STA. 1508+79.3883 TO STA. 1509+00.0000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

PLOT DATE = Wed Mar 07 11:34:05 2007
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US 52/IL 64

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	•	CARROLL&OGLE	232	157
STA. 1509+50.0000 TO STA. 1510+50.0000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

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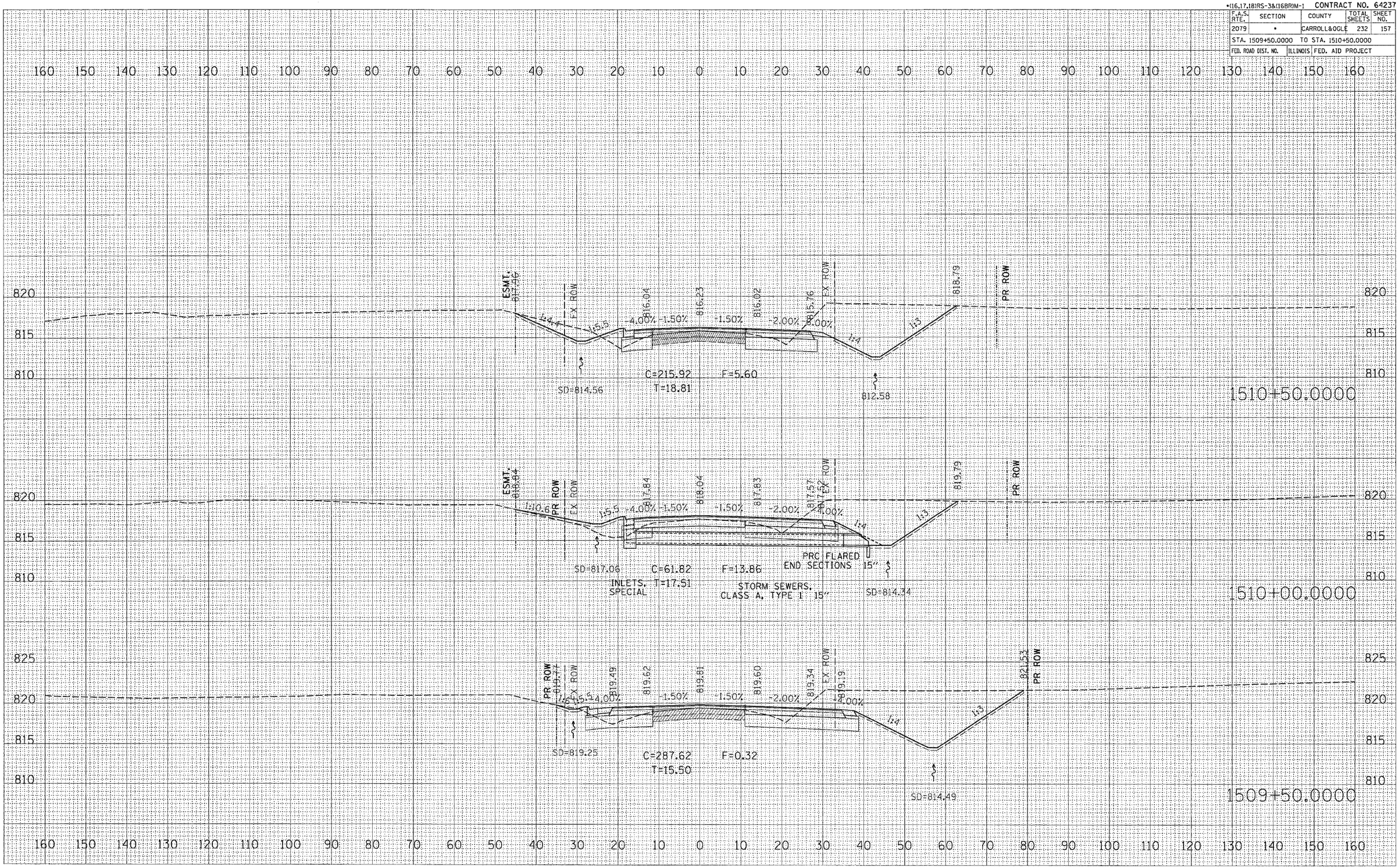

US RTE 52

•(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	•	CARROLL&OGLE	232	158
STA. 1511+00.0000	TO STA. 1512+18.3711			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

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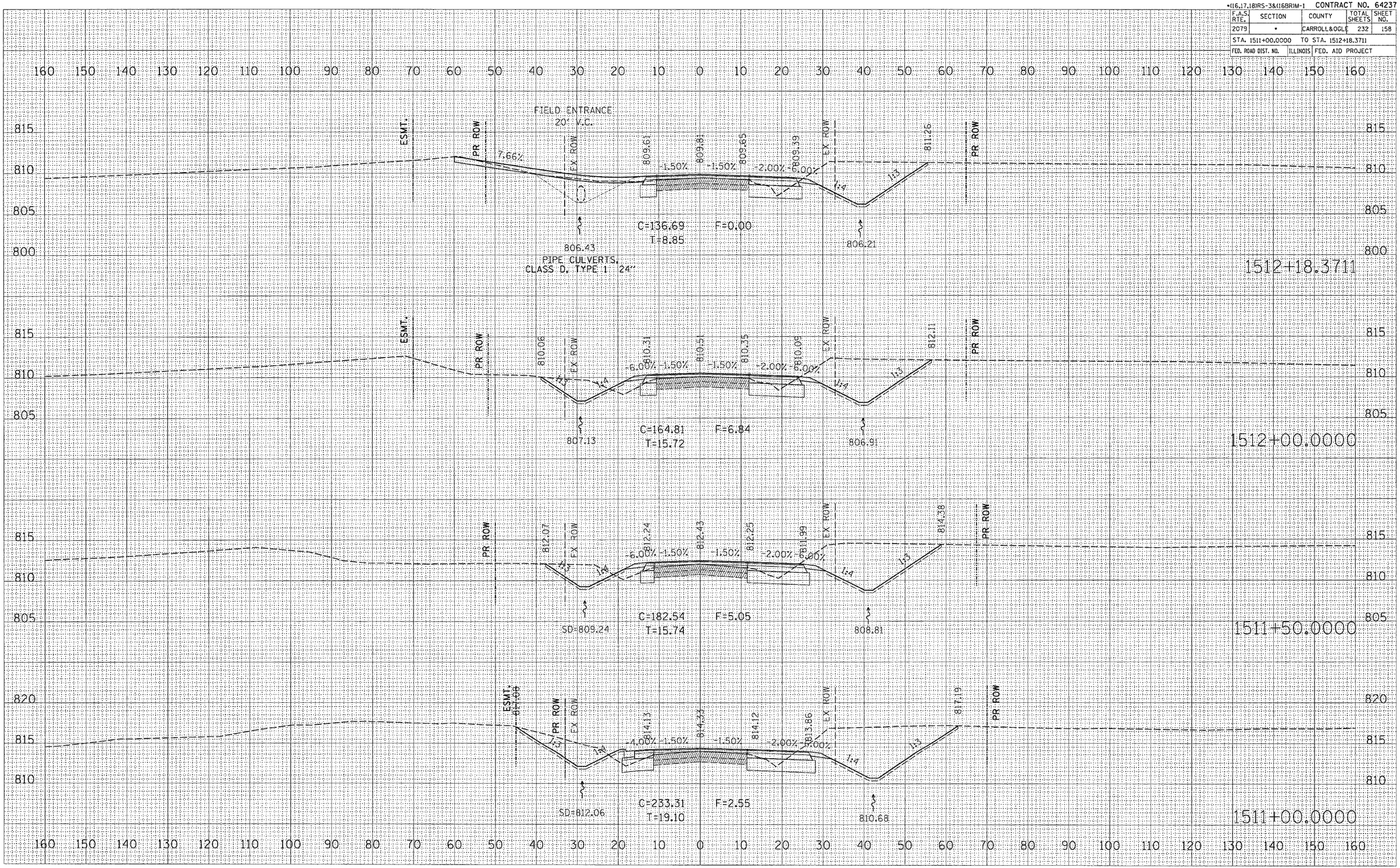
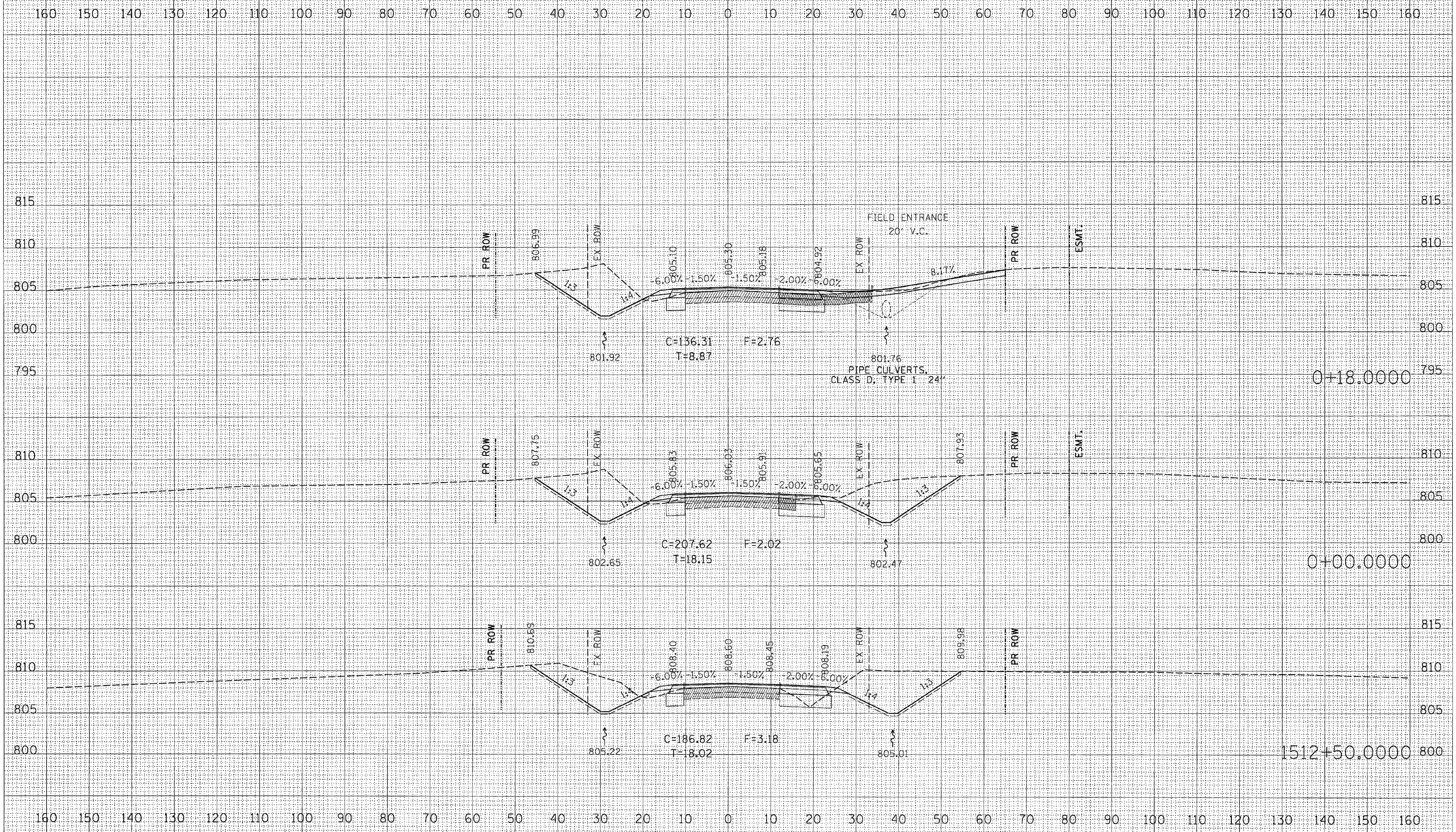


US RTE 52

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	159
STA. 1512+50.0000 TO STA. +18.0000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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USER NAME = stringerjm

US RTE 52

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	•	CARROLL&OGLE	232	160
STA. +50.0000		TO STA. 1+50.0000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

BY	DATE

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

BY	DATE

PLOT DATE = Wed Mar 07 11:34:08 2007
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160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

805 800 795

PR ROW 800.89 EX ROW 1:3 1:4 799.90 -6.00% -1.50% 800.10 -1.50% 800.03 -2.00% 799.77 -4.00% 799.68 EX ROW PR ROW ESMT.

C=87.51 T=7.93 F=3.71 796.72

1+50.0000

810 805 800 795

PR ROW 803.25 EX ROW 1:3 1:4 801.86 -6.00% -1.50% 800.95 -1.50% 801.97 -2.00% 801.71 -6.00% EX ROW 1:4 1:3 804.30 PR ROW ESMT.

C=230.87 T=20.04 F=6.34 798.68 798.53

1+00.0000

810 805 800 795

PR ROW 805.57 EX ROW 1:3 1:4 803.84 -6.00% -1.50% 804.04 -1.50% 803.94 -2.00% 803.68 -6.00% 804.42 EX ROW PR ROW ESMT.

C=180.12 T=16.42 F=1.96 800.66 800.50

0+50.0000

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

US RTE 52

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	161
STA. 1+74.4374		TO STA. 1+75.7544		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TOPO. MAP		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TOPO. MAP		
AREAS		
AREAS CHECKED		

PLOT DATE = Wed Mar 07 11:34:08 2007
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USER NAME = stringerjm

NORTH EAST
DIAGONAL CROSS SECTION

799.12
797.46
EX ROW
PR ROW
798.00
1:5.6
1:3
792.24
1+75.7544

SOUTH WEST QUAD
DIAGONAL CROSS SECTION

SOUTH EAST
DIAGONAL CROSS SECTION

799.12
798.58
EX ROW
1:12
795.58
1+74.4374

NORTH WEST QUAD
DIAGONAL CROSS SECTION

803.56
PR ROW
1:3

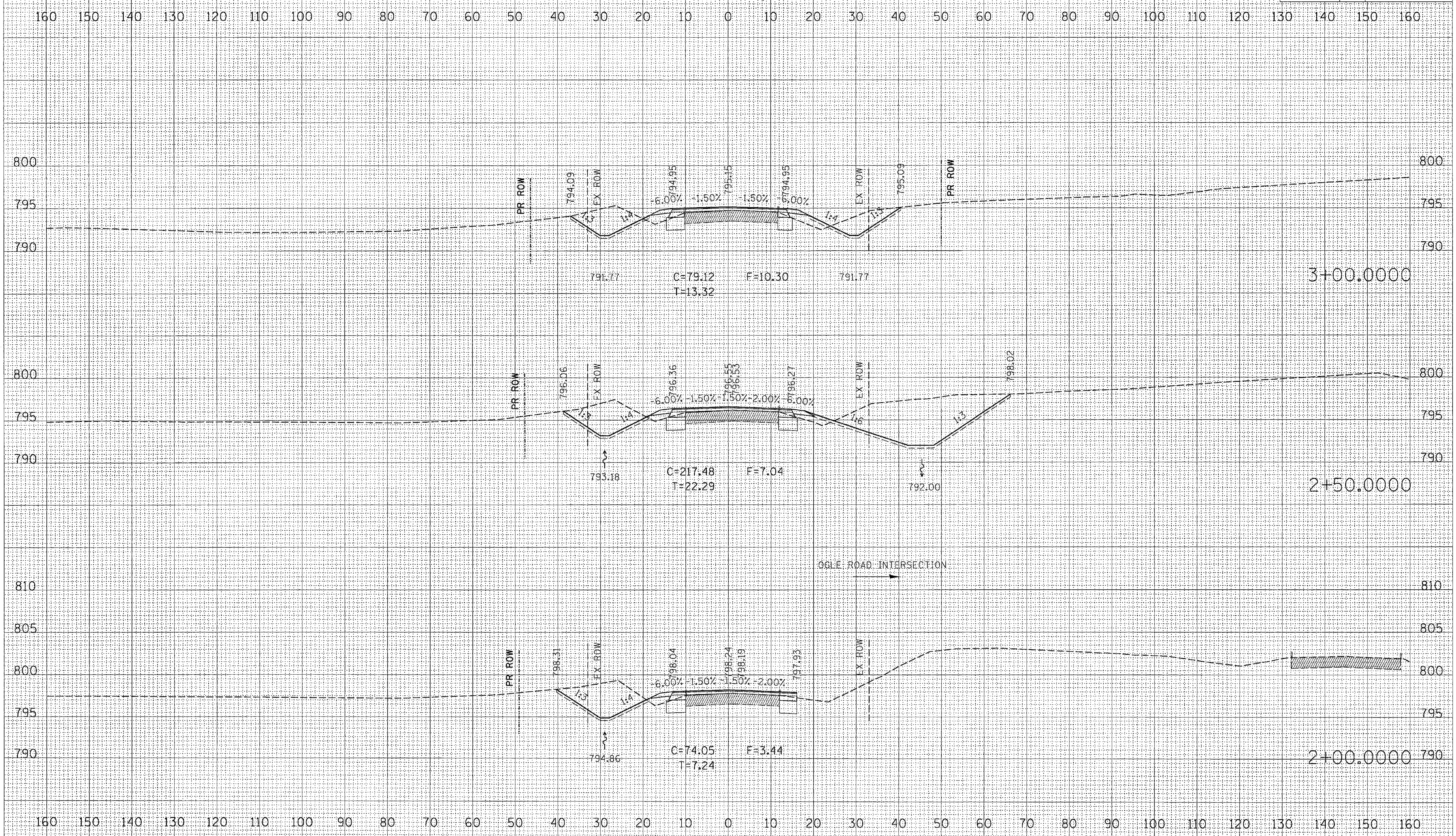
160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

810 805 800 795 790

US RTE 52

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	162
STA. 2+00.0000	TO STA. 3+00.0000			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

PLOT DATE = Wed Mar 07 11:34:09 2007
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USER NAME = stringer_jm

US RTE 52

•(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	•	CARROLL&OGLE	232	163
STA. 3+50.0000		TO STA. 4+50.0000		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

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

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

795
790
785

PR. ROW
786.46
790.66
EX. ROW
1:3
1:4
-6.00%
791.84
-1.50%
792.04
-1.50%
791.84
-6.00%
1:4
1:3
EX. ROW
790.96
PR. ROW
SD=788.66
C=34.79
T=16.45
F=47.74
788.66
4+50.0000

FIELD ENTRANCE

ESMT.
PR. ROW
12.00%
EX. ROW
4.00%
792.71
-1.50%
792.91
-1.50%
792.71
-6.00%
1:4
1:3
EX. ROW
791.56
PR. ROW
789.59
C=33.31
T=5.87
F=32.84
789.53
PIPE CULVERTS,
CLASS D, TYPE 1 24"
4+00.0000

800
795
790
785

PR. ROW
792.08
EX. ROW
1:3
1:4
-6.00%
793.69
-1.50%
793.89
-1.50%
793.69
-6.00%
1:4
1:3
EX. ROW
793.15
PR. ROW
790.51
C=53.91
T=11.88
F=9.40
790.51
3+50.0000

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

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

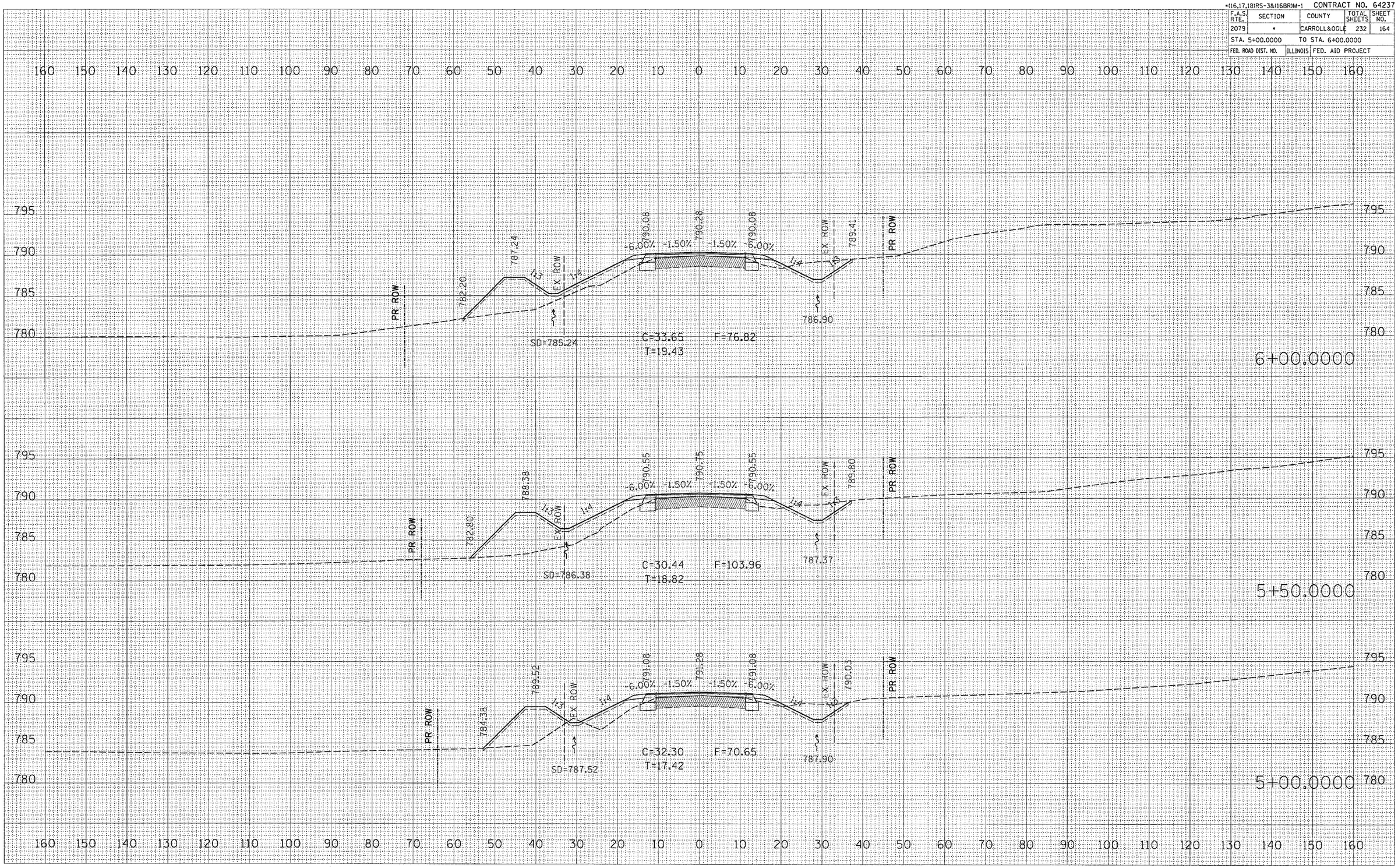
PLOT DATE = Wed Mar 07 11:34:09 2007
FILE NAME = c:\projects\202685\d02685xml.dgn
PLOT SCALE = 10.0000 ' / IN.
USER NAME = stringer.jm

US RTE 52

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	164
STA. 5+00.0000		TO STA. 6+00.0000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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



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

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PLOT SCALE = 10.0000 ' / IN.
USER NAME = stringer_jm

US RTE 52

•(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	•	CARROLL&OGLE	232	165
STA. 6+50.0000		TO STA. 7+50.0000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

PLOT DATE = Wed Mar 07 11:34:11 2007
FILE NAME = c:\projects\d02685\d02685xsl.dgn
PLOT SCALE = 10.0000 ' / IN.
USER NAME = kerrigan

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

795 790 785 780 775

PR ROW 780.85 785.46 1:3 EX ROW 1:4 SD=782.46 C=13.89 F=73.03 T=20.65 -6.00% -1.50% 789.13 789.33 -1.50% -6.00% 789.13 1:4 785.95 EX ROW PR ROW

7+50.0000

PR ROW 781.44 786.96 1:3 EX ROW 1:4 SD=782.96 C=45.12 F=67.71 T=22.32 -6.00% -1.50% 789.38 789.58 -1.50% -6.00% 789.38 788.84 786.20 EX ROW

7+00.0000

PR ROW 781.99 787.10 1:3 EX ROW 1:4 SD=784.10 C=35.28 F=80.34 T=21.90 -6.00% -1.50% 789.67 789.86 -1.50% -6.00% 789.67 1:4 1:3 EX ROW 789.33 PR ROW ESMT. 786.49

6+50.0000

US RTE 52

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	166
STA. 8+00.0000		TO STA. 8+50.0000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

PLOT DATE = Wed Mar 07 11:34:11 2007
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PLOT SCALE = 10.0000 ' / IN.
PLOT STYLE = design_gn
USER NAME =

8+50.0000

PR ROW — 781.56 — EX ROW — 1:4 — 788.51 — -6.00% — 788.71 — -1.50% — -1.50% — 6.00% — 788.51 — 1:4 — 1:3 — EX ROW — 789.27 — PR ROW

SD=780.53

C=74.03 F=15.74
T=18.65

8+15.0001

PR ROW — 781.46 — EX ROW — 1:4 — 788.78 — -6.00% — 788.97 — -1.50% — -1.50% — 6.00% — 788.78 — 1:4 — 1:3 — EX ROW — 786.89 — PR ROW

SD=780.63

C=92.05 F=20.38
T=46.09

8+00.0000

PR ROW — 779.55 — 780.68 — EX ROW — EX ROW — 1:4 — 788.88 — -6.00% — 789.07 — -1.50% — -1.50% — 6.00% — 788.88 — 1:4 — 1:3 — EX ROW — 786.86 — PR ROW

ft=780.69 — ft=781.00 — 785.64

GRATED CULVERT EXTENSION NO. 1

C=78.21 F=46.06
T=27.66

DROP BOX NO. 2

PIPE CULVERTS, CLASS A, TYPE 2 42"

US RTE 52

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	167
STA. 9+00.0000		TO STA. 9+50.0000		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

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

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

PLOT DATE = Wed Mar 07 11:34:12 2007
FILE NAME = c:\projects\u262685\u262585xml.dgn
PLOT SCALE = 10.0000 ' / IN.
USER NAME = stringerjh

TAYLOR ST. INTERSECTION

EX ROW
PR ROW
EX ROW
PR ROW
EX ROW
PR ROW

782.35
782.08
SD=780.22
SD=780.37
SD=784.00

787.22
787.41
787.26
788.11
788.31
788.10

-6.00% -1.50% -1.50%
-6.00% -1.50% -1.50% -4.00%

1:3
1:4
1:4
3:1

C=60.79 F=7.31
T=11.06

C=56.20 F=15.42
T=17.26

9+50.0000
9+00.0000

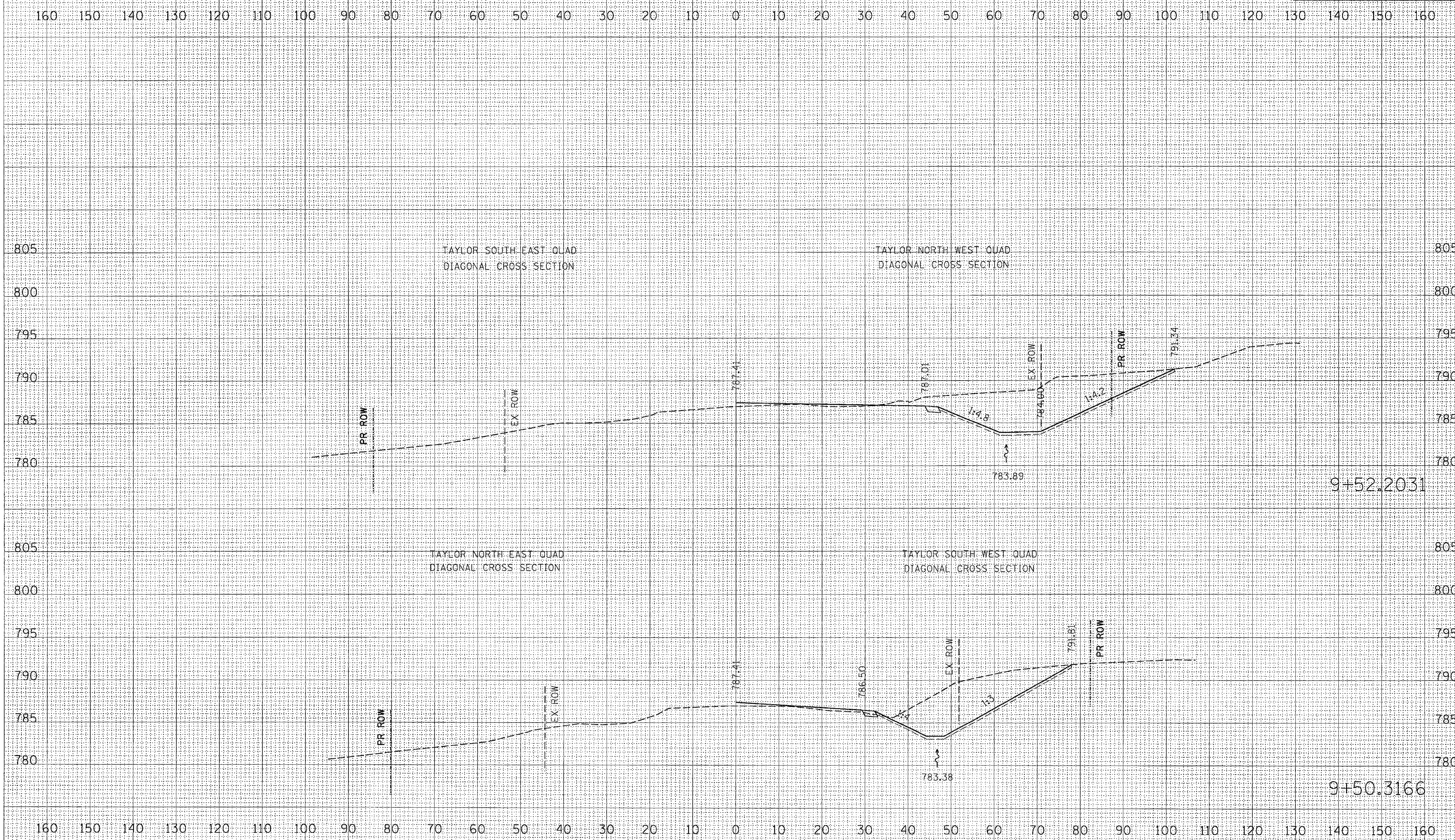
795
790
785
780
775

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

US RTE 52

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	168
STA. 9+50.3166		TO STA. 9+52.2031		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

PLOT DATE = Wed Mar 07 11:34:12 2007
FILE NAME = c:\projects\d2026685\d026685xml.dgn
PLOT SCALE = 10.0000 ' / IN.
USER NAME = stringerjm

US RTE 52

•(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	•	CARROLL&OGLE	232	169
STA. 10+00.0000		TO STA. 11+00.0000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

790 785 780 775 795

PR. ROW EX. ROW 781.01 1:3 1:4 -6.00% -1.50% 782.88 783.07 -1.50% -6.00% 782.91 1:4 1:3 780.20 EX. ROW

SD=779.75 779.70

C=22.19 F=8.34
T=10.05

11+00.0000

PR. ROW 782.21 1:3 EX. ROW 1:4 -6.00% -1.50% 784.52 784.71 -1.50% -6.00% 784.54 1:4 1:3 EX. ROW 789.79 PR. ROW

SD=779.91 781.37

C=104.44 F=9.46
T=21.15

10+50.0000

PR. ROW 782.30 1:3 EX. ROW 1:4 -6.00% -1.50% 786.16 786.35 -1.50% -6.00% 786.18 1:4 1:3.5 EX. ROW 791.72 PR. ROW

SD=780.06 SD=782.71

C=190.47 F=4.99
T=25.15

10+00.0000

US RTE 52

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

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

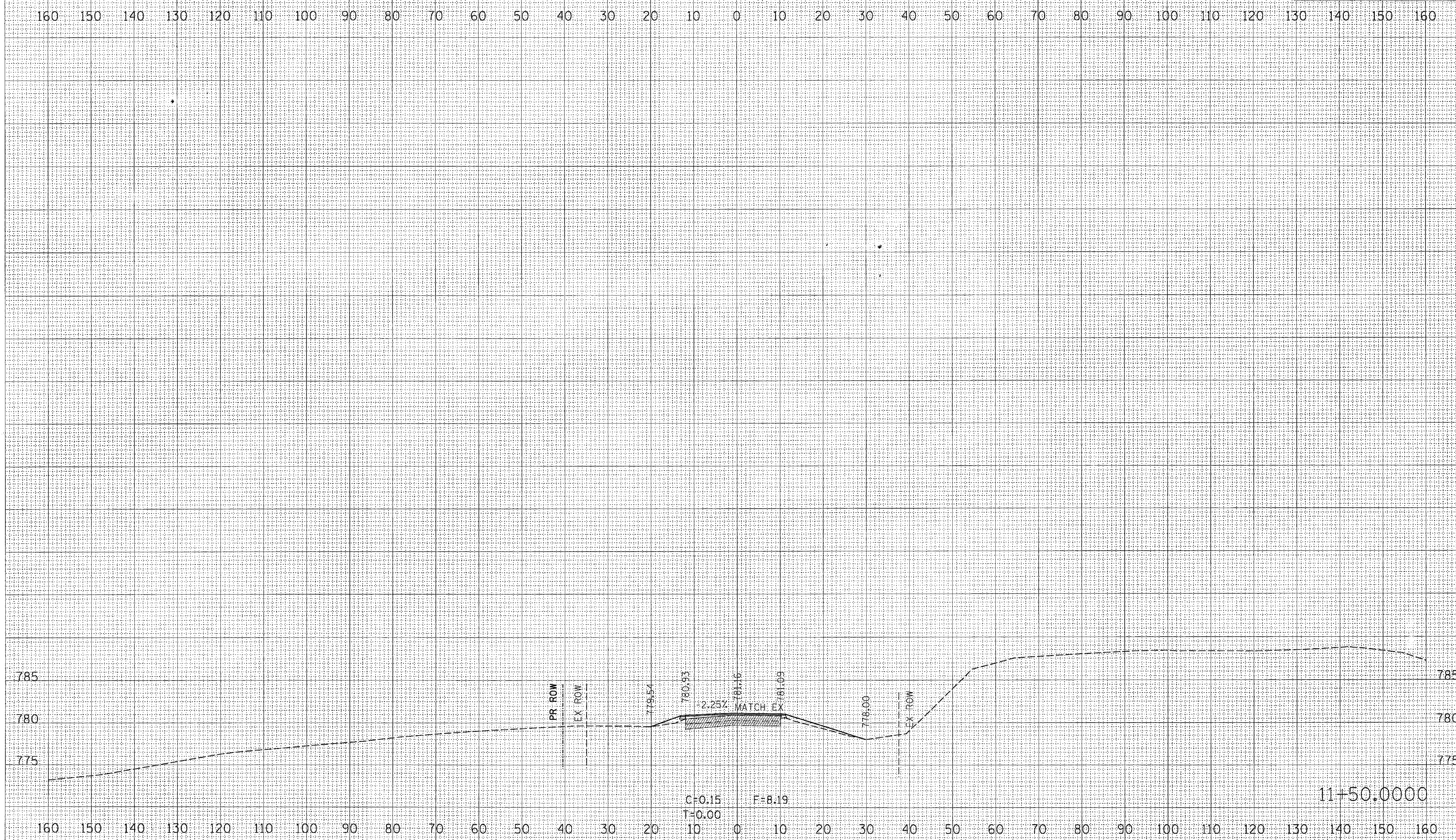
PLOT DATE = Wed Mar 07 11:34:13 2007
FILE NAME = c:\projects\d0805895\d0805895sht.dgn
PLOT SCALE = 10.0000 '/ IN.
USER NAME = stringer_p

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	170

STA. 11+50.0000 TO STA. 11+50.0000

FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT



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

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

PLOT DATE = Wed Mar 07 11:34:13 2007
FILE NAME = c:\projects\d202685\d02685xml.dgn
PLOT SCALE = 10.0000 ' / IN.
USER NAME = stringer jm

US RTE 52

•(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	•	CARROLL&OGLE	232	171
STA. 145+00.0000		TO STA. 146+50.0000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

950
945
940

TOM'S RESIDENCE
EX. ROW
1:6 4%
945.36
945.26
146+50.0000

TOM'S RESIDENCE
EX. ROW
1:6 4%
945.50
945.37
146+00.0000

TOM'S RESIDENCE
EX. ROW
1:6 4%
945.58
945.55
145+50.0000

TOM'S RESIDENCE
EX. ROW
1:6 4%
945.68
945.73
145+00.0000

PLOT DATE = Wed Mar 07 11:53:52 2007
FILE NAME = c:\projects\c202685\c202685sh3.dgn
PLOT SCALE = 1.0000 '/ IN.
USER NAME = stringer_jm

US RTE 52

•(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	•	CARROLL&OGLE	232	172
STA. 146+75.0000		TO STA. 146+75.0000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

PLOT DATE = Wed Mar 07 11:53:53 2007
FILE NAME = s:\pw_work\d202585\d202585sht2.dgn
PLOT SCALE = 100.0000 '/ IN.
USER NAME = springer_jm

TOM'S RESIDENCE
PRIVATE ENTRANCE
EX ROW
8.43%
4%
945.29
945.20
146+75.0000

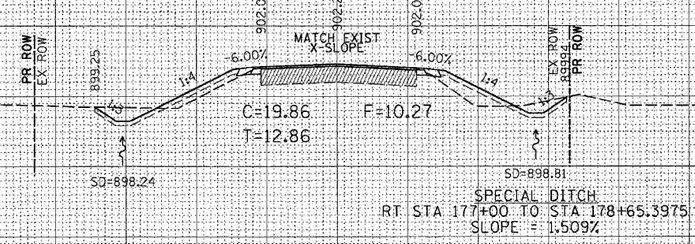
US RTE 52

=(16,17,18)RS-3&(16BRM-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	173
STA. 176+00.0000		TO STA. 177+00.0000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

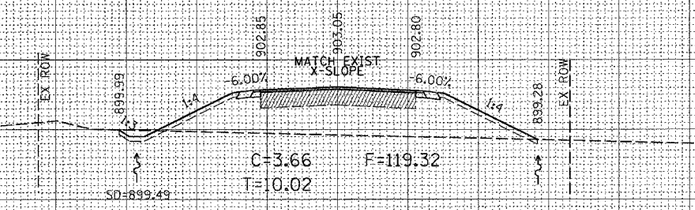
160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

905 900 895



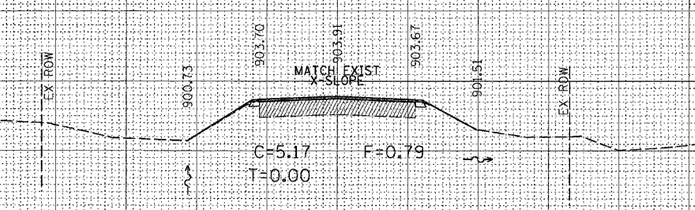
SPECIAL DITCH
RT STA 177+00 TO STA 178+65.3975
SLOPE = 1.509%

177+00.0000



SPECIAL DITCH
LT STA 176+50 TO STA 178+65.3975
SLOPE = 2.553%

176+50.0000



EARTHWORK STARTS
STA 176+00

176+00.0000

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

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

PLOT DATE = Wed Mar 07 11:55:49 2007
FILE NAME = c:\projects\02605\d02605sout-dgn
PLOT SCALE = 10.0000 ' / IN.
USER NAME = stringerja

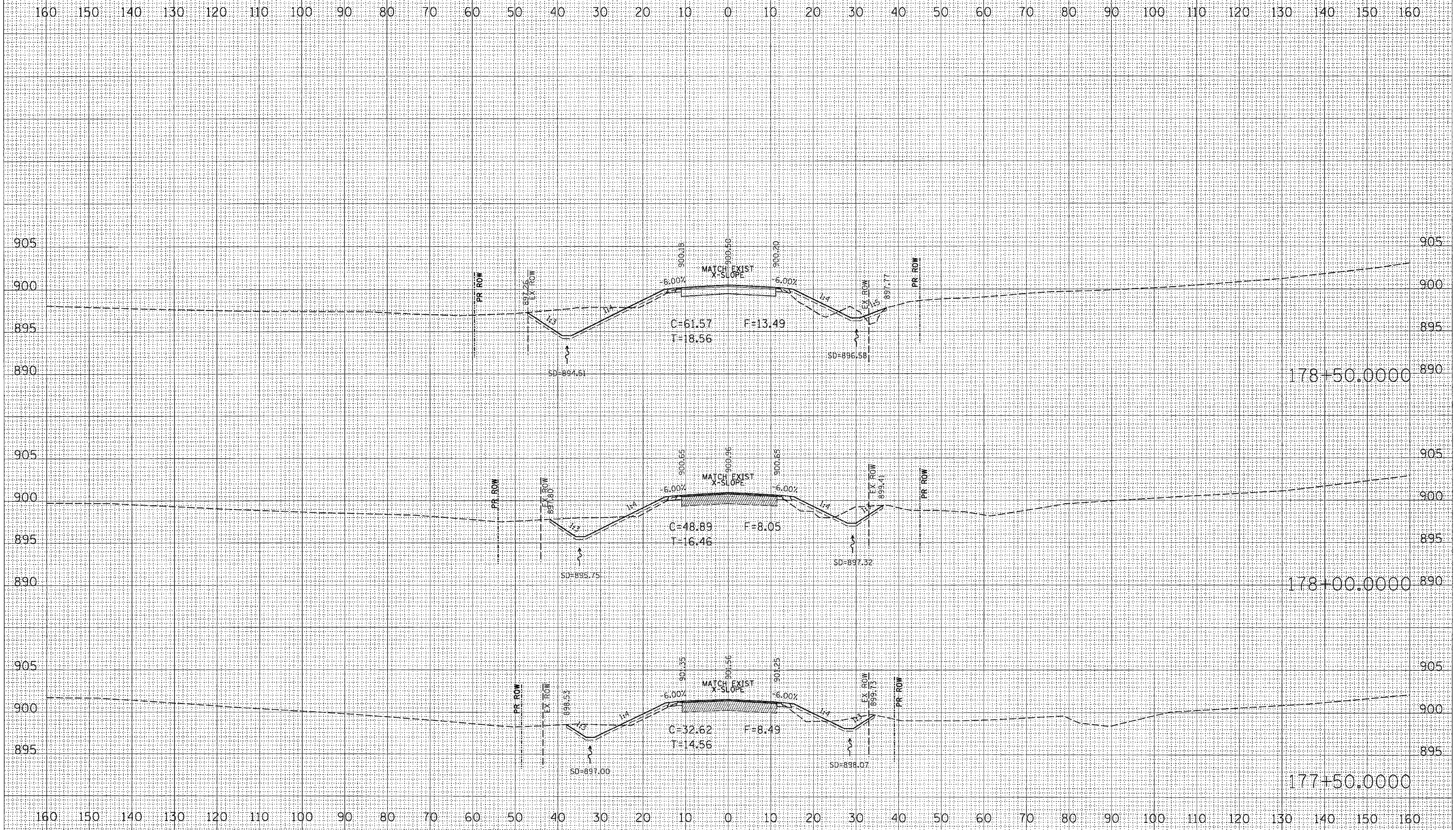
US RTE 52

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	174

STA. 177+50.0000 TO STA. 178+50.0000

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT



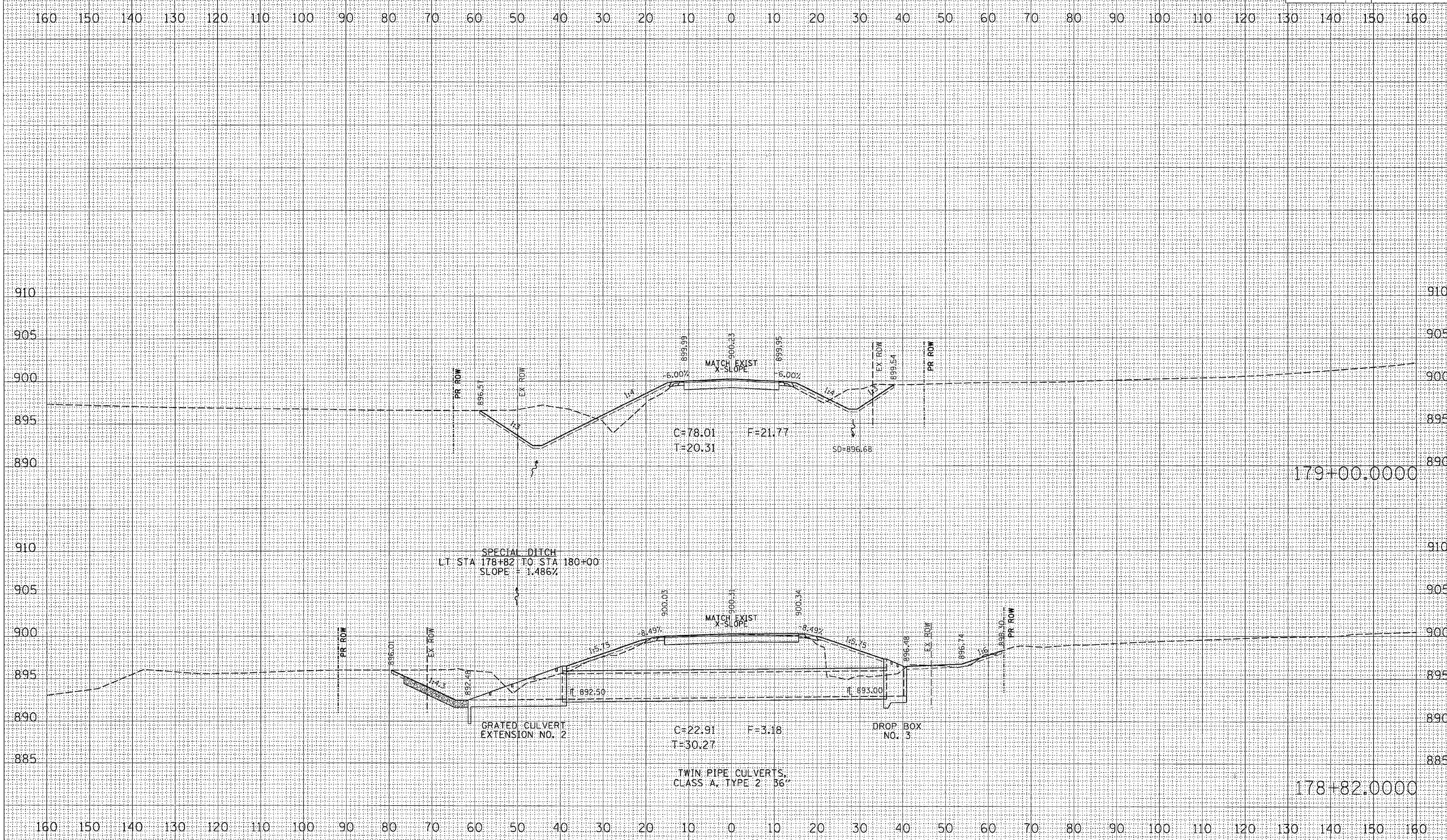
FINAL SURVEY | NOTE BOOK | NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

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

PLOT DATE = Wed Mar 07 11:55:40 2007
PLOT SCALE = 10.0000 ' / IN.

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	175
STA. 178+82.0000 TO STA. 179+00.0000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY / ORIGINAL SURVEY — NOTE BOOK NO. ___ — SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED — BY — DATE

PLOT DATE = Wed Mar 07 11:55:41 2007
FILE NAME = c:\projects\d202685\d02685xculv.dgn
PLOT SCALE = 10.0000 ' / IN.
USER NAME = stringerjm

US RTE 52

•(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	•	CARROLL&OGLE	232	176
STA. 179+50.0000		TO STA. 180+50.0000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

905 900 895 890 885

PR ROW
EX ROW
895.28
1:3
1:4
6.00%
899.83
900.05
899.87
MATCH EXIST X-SLOPE
6.00%
1:4
1:3
EX ROW
902.48
PR ROW
SD=893.19
SD=897.38
C=117.30
T=20.70
F=5.38

180+50.0000

TO STREAM
STA 180±10
PR ROW
893.78
EX ROW
1:3
1:4
6.00%
899.78
899.97
899.76
MATCH EXIST X-SLOPE
6.00%
1:4
1:3
EX ROW
901.93
PR ROW
SD=892.15
SD=897.15
C=55.62
T=20.22
F=9.38

180+00.0000

PR ROW
895.61
EX ROW
1:3
1:4
6.00%
899.64
900.02
899.78
MATCH EXIST X-SLOPE
6.00%
1:4
1:3
EX ROW
900.22
PR ROW
SD=892.29
SD=896.91
C=86.69
T=21.91
F=29.16

179+50.0000

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

US RTE 52

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

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

PLOT DATE = Wed Mar 07 11:55:41 2007
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PLOT SCALE = 10.0000 ' / IN.
USER NAME = s\rnger_jm

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	177
STA. 181+00.0000	TO STA. 182+00.0000			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

910 905 900 895 890

EX ROW 902.49 900.52 900.73 900.57 EX ROW 906.49 PR ROW

MATCH EXIST X-SLOPE

1:3 1:3 1:3

SD=897.50 SD=898.09

C=174.53 F=0.00 T=21.70

SPECIAL DITCH
LT STA 180+00 TO STA 182+00
SLOPE = 3.40%

182+00.0000

EX ROW 899.49 900.25 900.48 900.33 EX ROW 905.88 PR ROW

MATCH EXIST X-SLOPE -6.00% -6.00%

1:3 1:4 1:4 1:3

SD=896.93 SD=897.95

C=150.40 F=2.35 T=19.47

181+50.0000

PR ROW EX ROW 898.40 899.97 900.23 900.09 EX ROW 905.49 PR ROW

MATCH EXIST X-SLOPE -6.00% -6.00%

1:3 1:4 1:4 1:3

SD=895.06 SD=897.61

C=148.97 F=3.42 T=22.44

SPECIAL DITCH
RT STA 178+56.85 TO STA 181+00
SLOPE = 0.46%

181+00.0000

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

PLOT DATE = Wed Mar 07 11:35:42 2007
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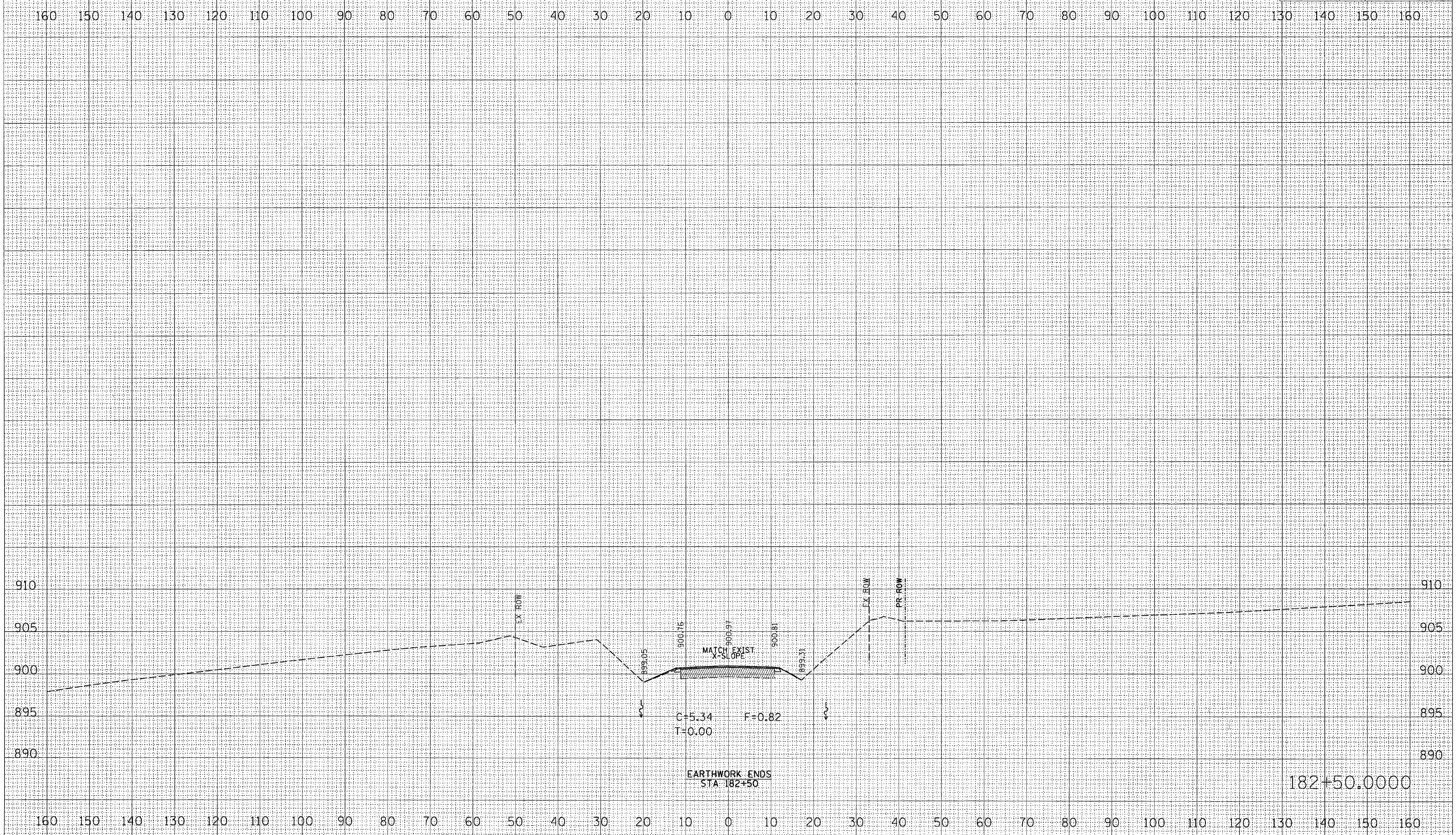
PLOT SCALE = 10.0000 ' / IN.
USER NAME = stringer_m

US RTE 52

•(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	178
STA. 182+50.0000 TO STA. 182+50.0000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

PLOT DATE = Wed Mar 07 11:55:42 2007
FILE NAME = c:\projects\d202685\d02685xculv.dgn
PLOT SCALE = 10.0000 ' / IN.
USER NAME = stringer.jm

US RTE 52

•(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	•	CARROLL&OGLE	232	179
STA. 184+50.0000		TO STA. 185+50.0000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

905 900 895

185+50.0000

185+00.0000

184+50.0000

905 900 895 890

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

US RTE 52

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

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

PLOT DATE = Wed Mar 07 11:55:43 2007
FILE NAME = c:\projects\d2828\sht2828sou.dgn
PLOT SCALE = 10.2000 ' / IN.
USER NAME = stringer_m

*(16,17,18)RS-3&(16BRDM-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	180
STA. 186+00.0000 TO STA. 187+00.0000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

905 900 895 890

PR ROW 895.75 897.68 1:3 SD=895.68 EX ROW 1:4 903.77 904.01 903.80 MATCH EXIST X-SLOPE -6.00% 6.00% 1:4 899.83 900.57 EX ROW PR ROW

C=15.58 F=60.55
T=21.75

187+00.0000

PR ROW 896.52 1:3 SD=896.70 EX ROW 1:4 903.48 903.76 903.56 MATCH EXIST X-SLOPE -6.00% 6.00% 1:4 900.10 1:3 900.92 EX ROW PR ROW

C=43.67 F=30.30
T=17.59

186+50.0000

PR ROW 899.69 1:3 SD=897.72 EX ROW 1:4 903.23 903.48 903.25 MATCH EXIST X-SLOPE -6.00% 6.00% 1:4 900.27 1:3 903.14 EX ROW PR ROW

C=47.58 F=20.92
T=16.50

186+00.0000

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

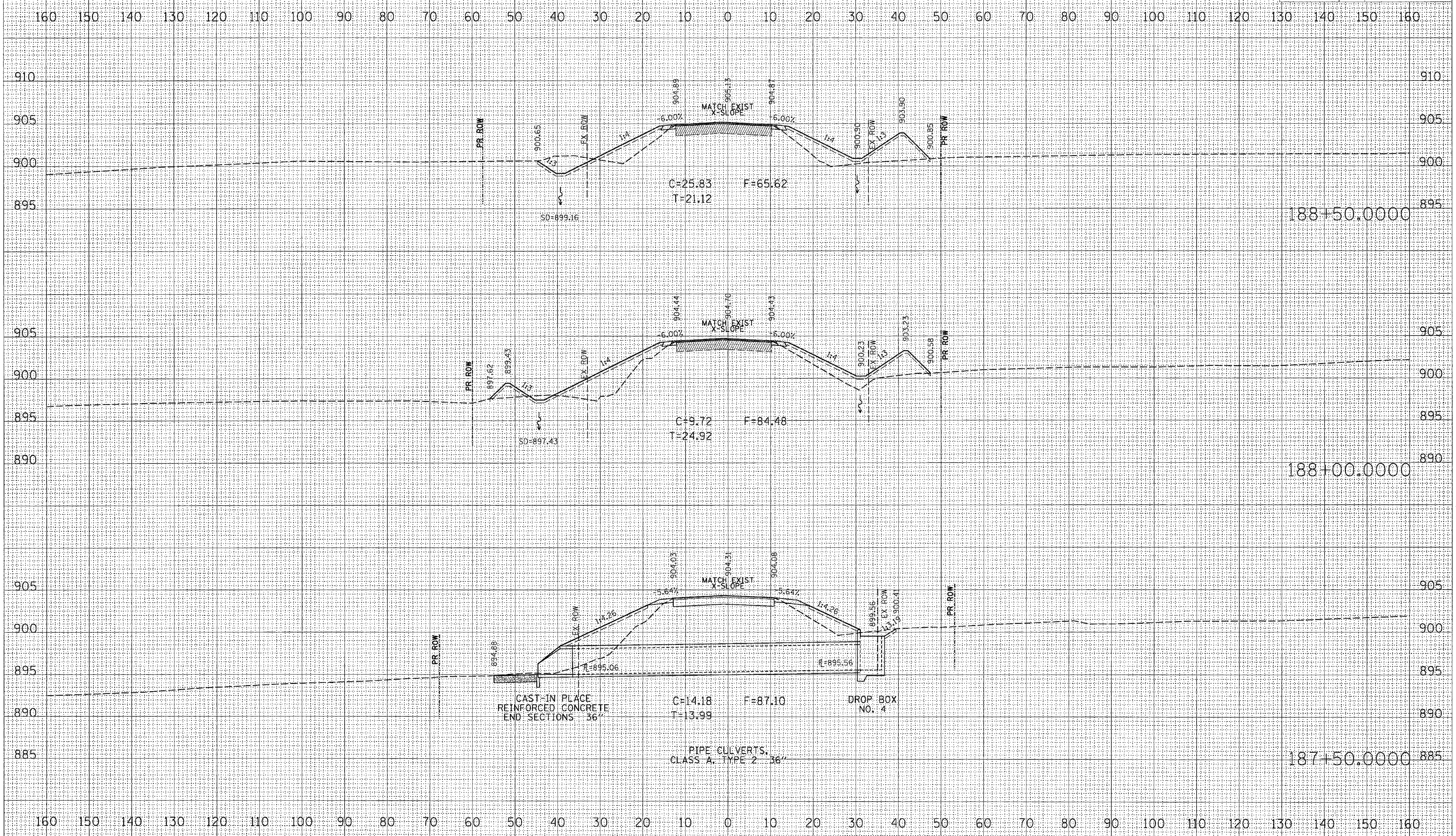
ORIGINAL SURVEY NOTE BOOK NO.

PLOT DATE = Wed Mar 07 11:55:43 2007
FILE NAME = c:\projects\d02685\d02685roul.dgn
PLOT SCALE = 10.0000 ' / IN.
USER NAME = kerringer_jm

US RTE 52

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	181
STA. 187+50.0000 TO STA. 188+50.0000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

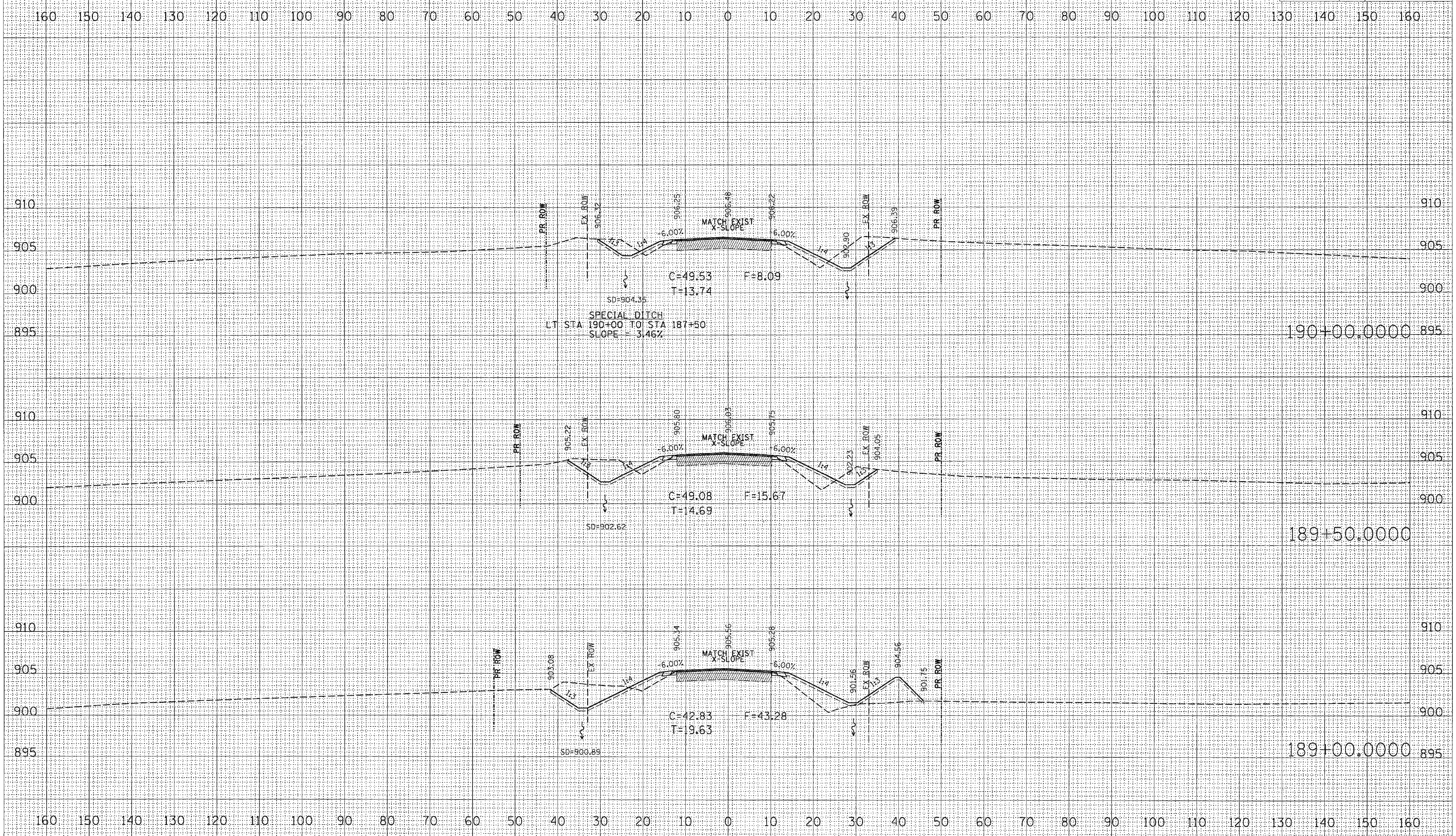


*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	182

STA. 189+00.0000 TO STA. 190+00.0000

FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT



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

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

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PLOT SCALE = 10.0000 ' / IN.
USER NAME = stringerjm

US RTE 52

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	183
STA. 190+50.0000		TO STA. 190+50.0000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

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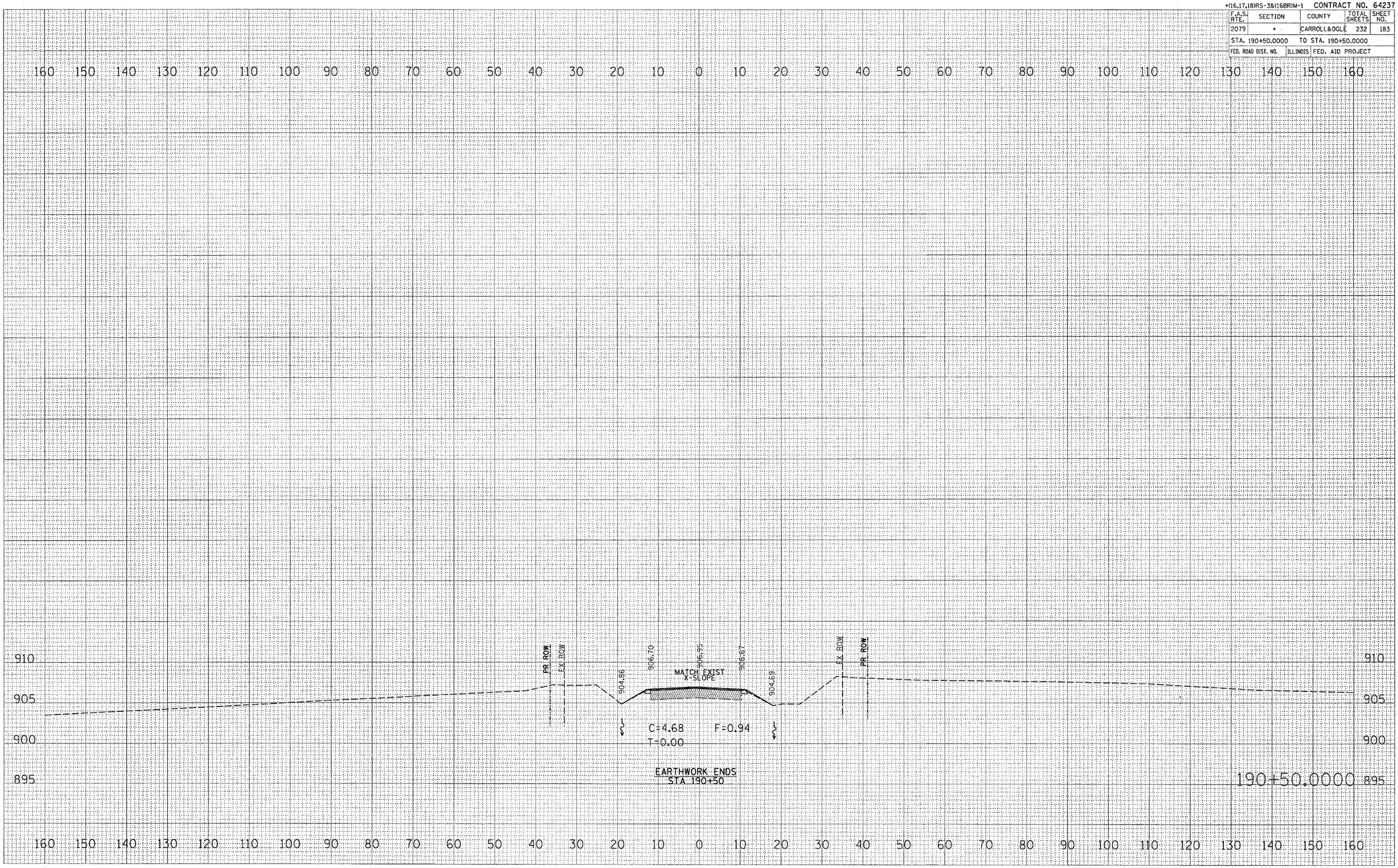
USER NAME = stringerjm



US RTE 52

•(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	•	CARROLL&OGLE	232	184
STA. 201+00.0000		TO STA. 202+00.0000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

905 900 895

PR ROW 902.53 EX ROW 7:1 1:4 6.00% 904.21 MATCH EXIST X-SLOPE 904.37 6.00% 904.20 1:4 1:3 EX ROW 902.48 PR ROW

C=64.54 F=15.52
T=18.63

SD=900.16 SD=899.30

202+00.0000

905 900

PR ROW 903.91 EX ROW 4:1 1:4 6.00% 904.54 MATCH EXIST X-SLOPE 904.69 6.00% 904.53 1:4 1:3 901.89 EX ROW PR ROW

C=24.96 F=5.52
T=14.04

SD=901.77 SD=900.60

201+50.0000

910 905 900 895

PR ROW EX ROW 903.38 905.04 MATCH EXIST X-SLOPE 905.19 905.02 901.81 EX ROW

C=5.17 F=1.14
T=0.00

SPECIAL DITCH
LT STA 201+00 TO STA 203+39.4276
SLOPE = 3.216%

SPECIAL DITCH
RT STA 201+00 TO STA 203+39.4276
SLOPE = 2.427%

EARTHWORK STARTS
STA 201+00

201+00.0000

890

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

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

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

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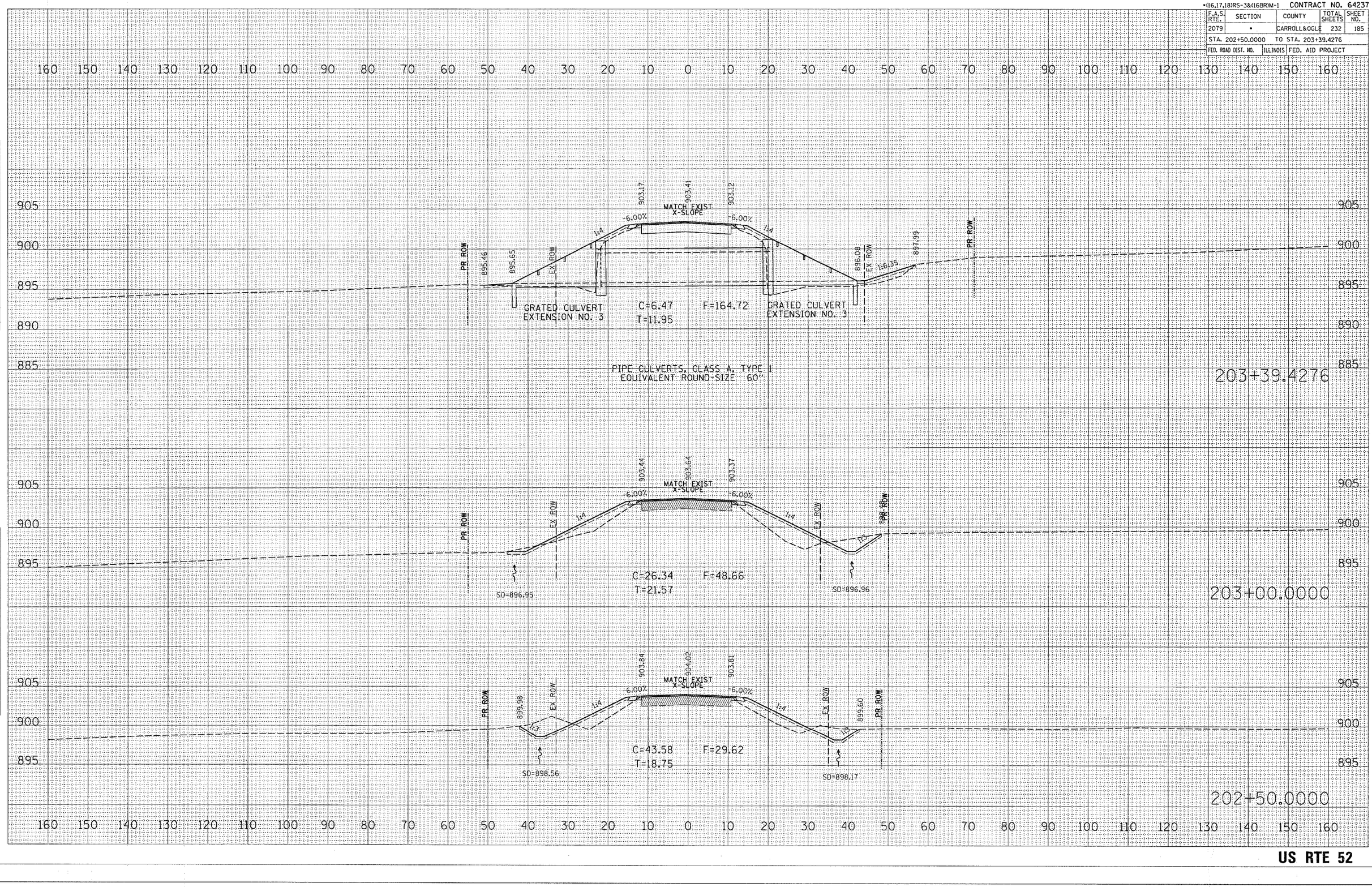
PLOT SCALE = 10.0000 ' / IN.
USER NAME = springer_jm

US RTE 52

•(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	•	CARROLL&OGLE	232	185
STA. 202+50.0000	TO STA. 203+39.4276			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



US RTE 52

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

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

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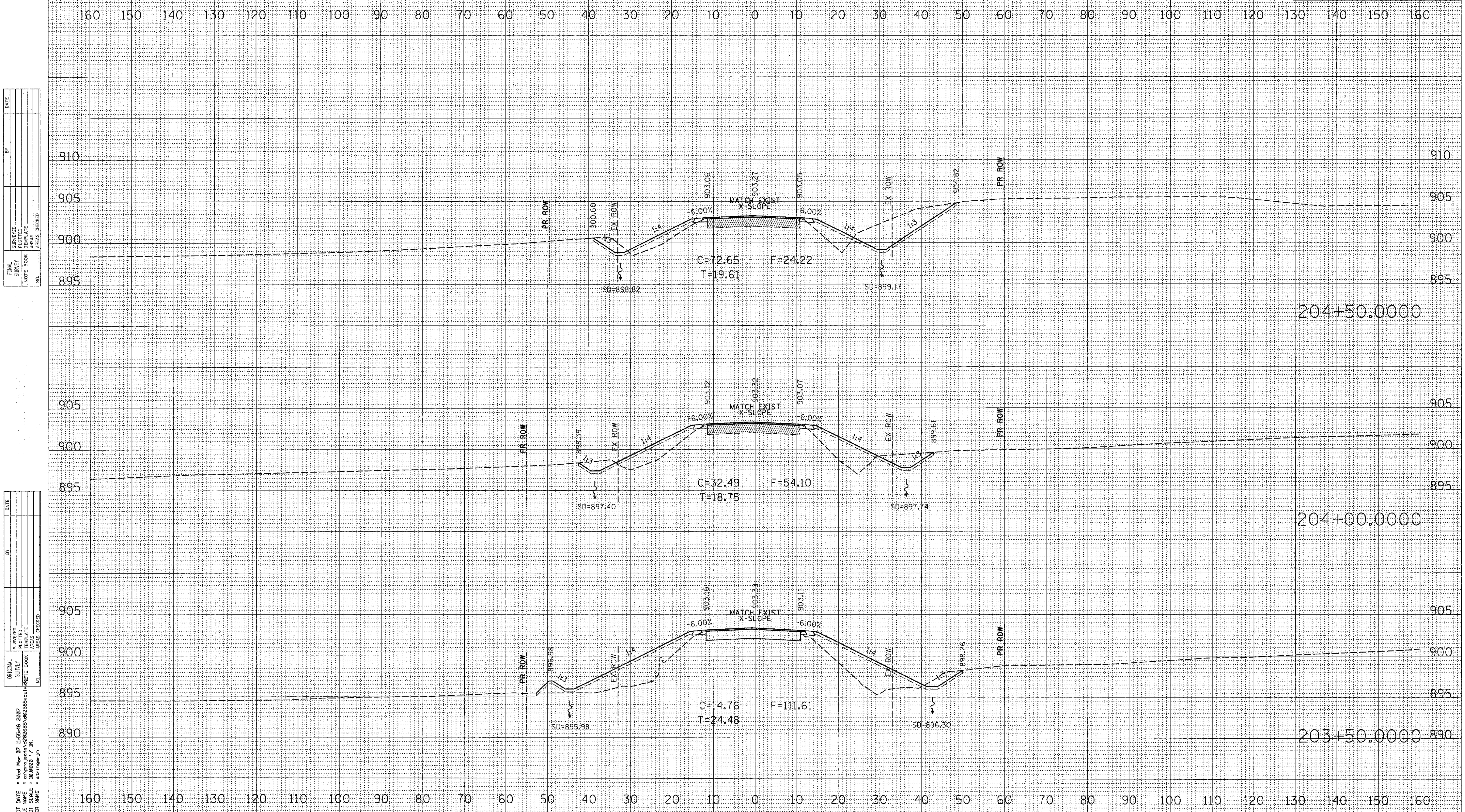
PLOT SCALE = 10.0000 ' / IN.
USER NAME = s-ringer_jm

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	186
STA. 203+50.0000 TO STA. 204+50.0000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



US RTE 52

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	187
STA. 205+00.0000	TO STA. 205+50.0000			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

EARTHWORK ENDS
LT STA 205+63.15
••INVERT @ PIPE = 902.04 (FE ENTR)

EARTHWORK ENDS
RT STA 205+63.17
••INVERT @ PIPE = 902.42 (PE ENTR)

900.84 903.11 903.36 903.14 901.23

MATCH EXIST X-SLOPE

C=5.00 F=0.13
T=0.00

SPECIAL DITCH
LT STA 203+39.4276 TO STA 205+63.15
SLOPE = 2.843%

SPECIAL DITCH
RT STA 203+39.4276 TO STA 205+63.17
SLOPE = 2.869%

205+50.0000

902.43 902.99 903.23 903.03 904.09

PR ROW | EX ROW | EX ROW | PR ROW

-6.00% | -6.00%

1:3 | 1:4 | 1:4 | 1:3

MATCH EXIST X-SLOPE

C=19.49 F=9.92
T=13.89

SD=900.24 SD=900.61

205+00.0000

PLOT DATE = Wed Mar 07 11:05:45 2007
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PLOT SCALE = 10.00000 ' / IN.
USER NAME = sdringen_jm

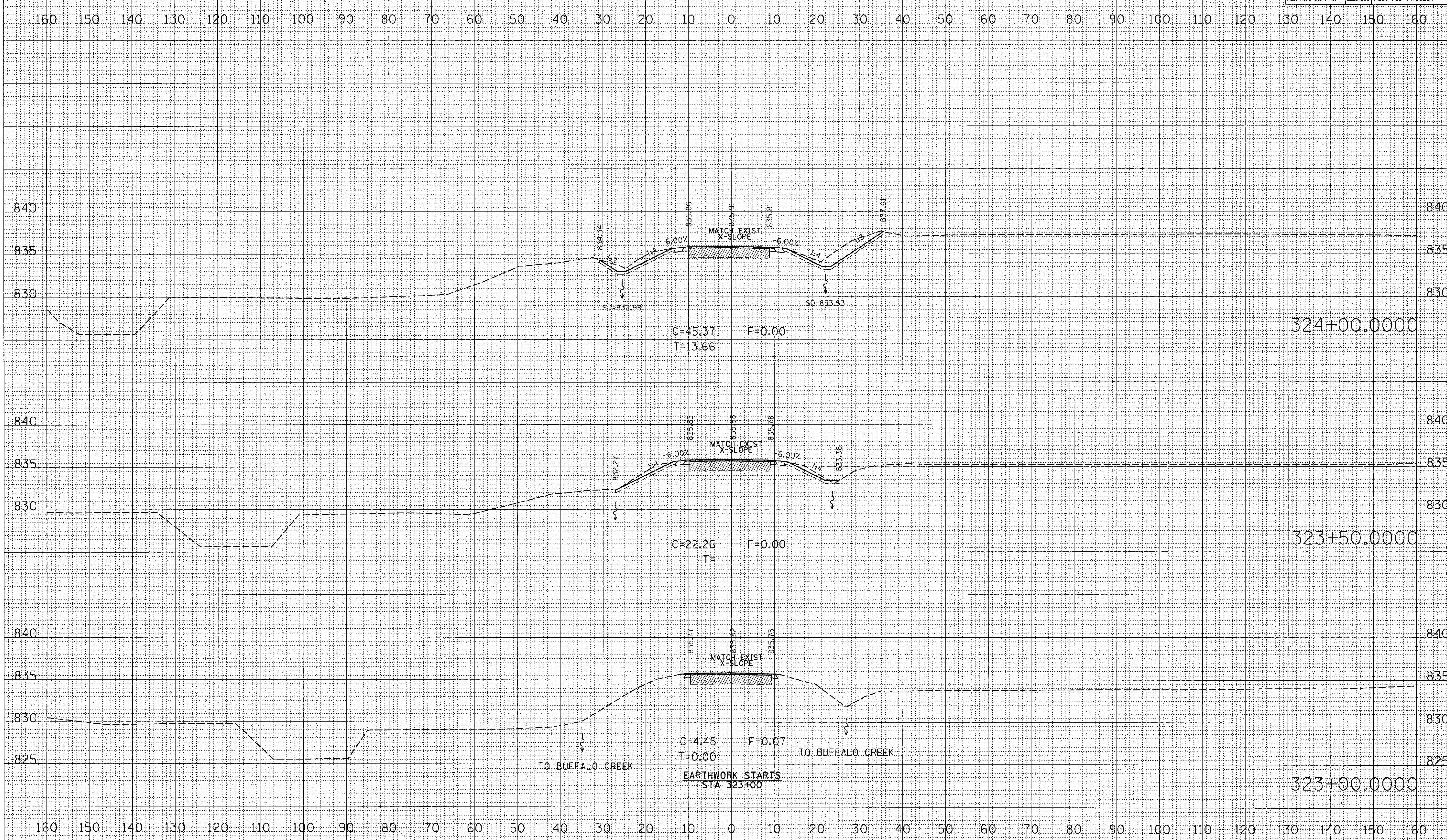
US RTE 52

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	188

STA. 323+00.0000 TO STA. 324+00.0000

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT



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

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

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PLOT SCALE = 10.0000 ' / IN.
USER NAME = stringer_m

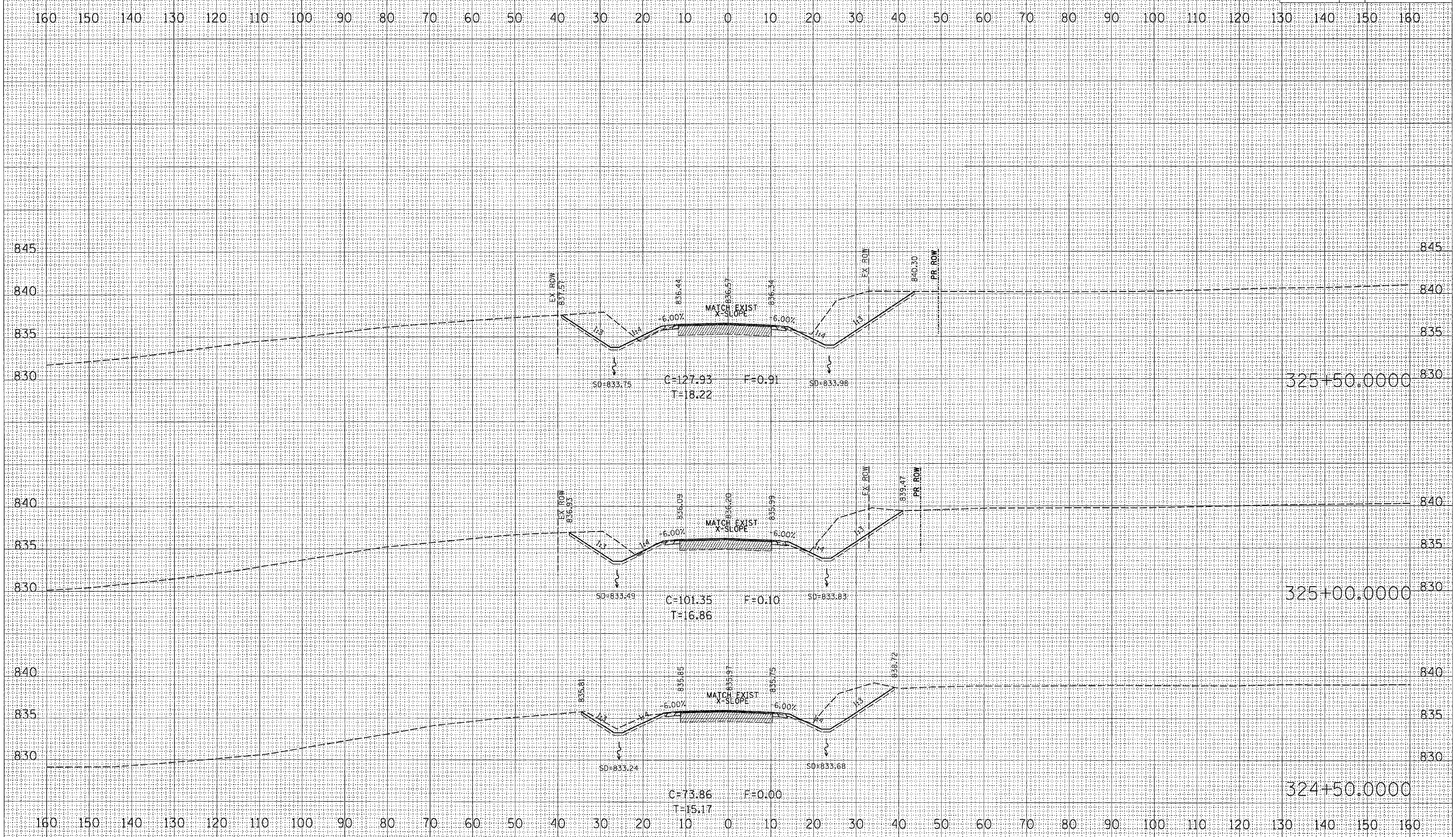
US RTE 52

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	189

STA. 324+50.0000 TO STA. 325+50.0000

FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT



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

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

PLOT DATE = Wed Mar 07 11:55:47 2007
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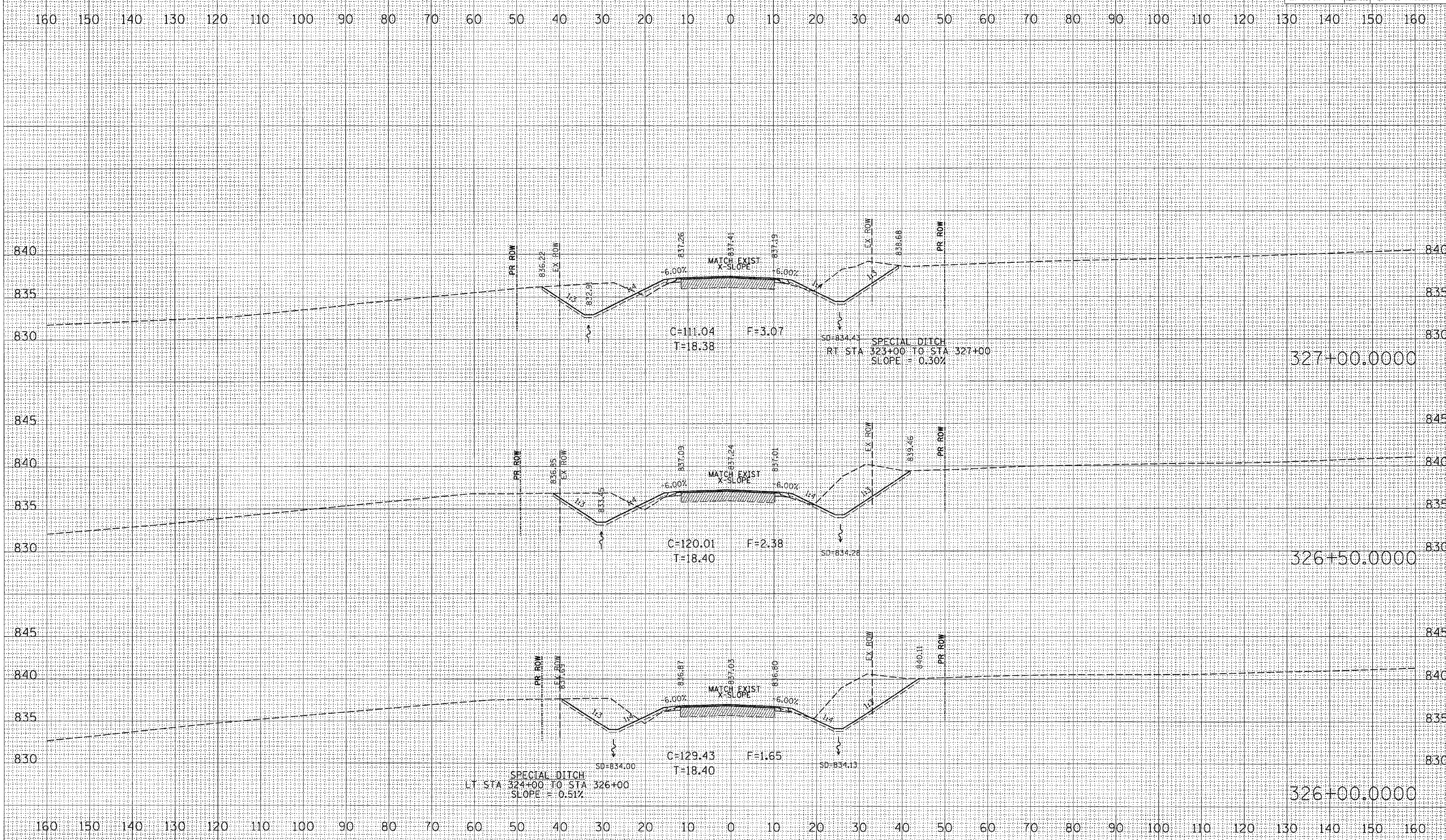
PLOT SCALE = 10.0000 ' / IN.
USER NAME = stringerjm

US RTE 52

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	190
STA. 326+00.0000 TO STA. 327+00.0000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

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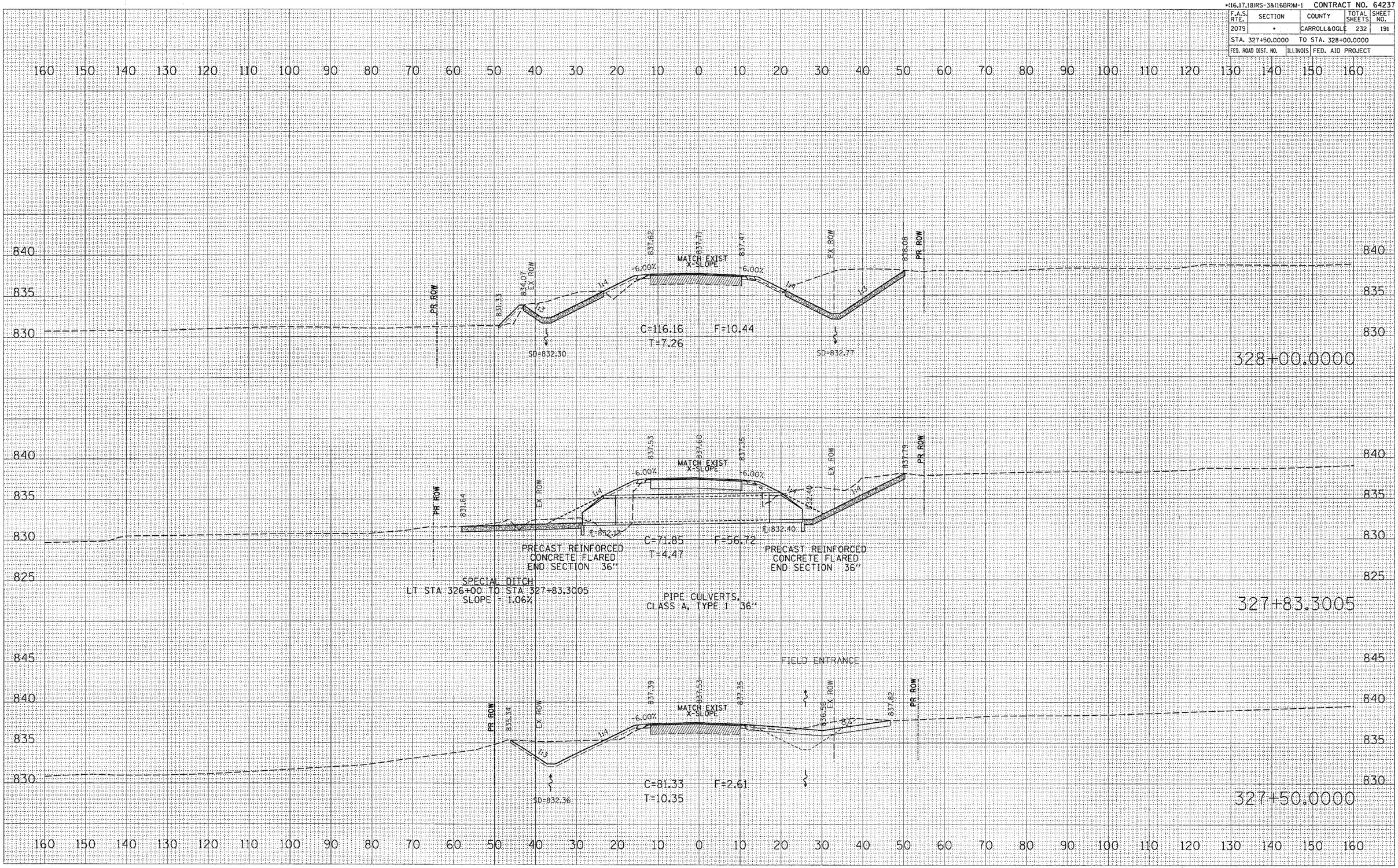
PLOT SCALE = 10.0000 ' / IN.
USER NAME = stringerjm

US RTE 52

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	191
STA. 327+50.0000		TO STA. 328+00.0000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



US RTE 52

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

PLOT DATE = Wed Mar 07 11:55:48 2007
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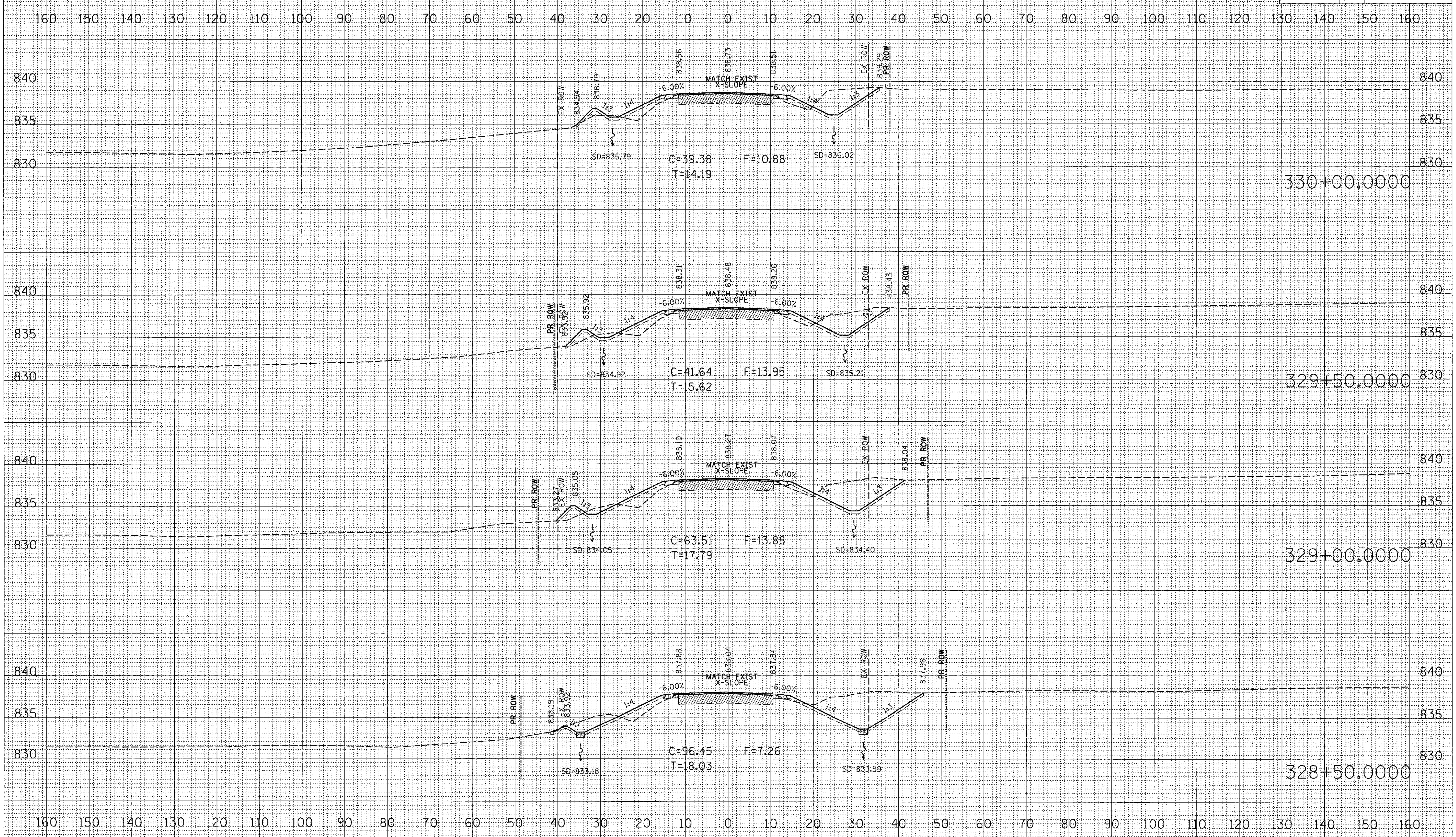
PLOT SCALE = 10.0000 ' / IN.
USER NAME = springer_jm

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	192

STA. 328+50.0000 TO STA. 330+00.0000

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT



FINAL SURVEY | NOTE BOOK | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

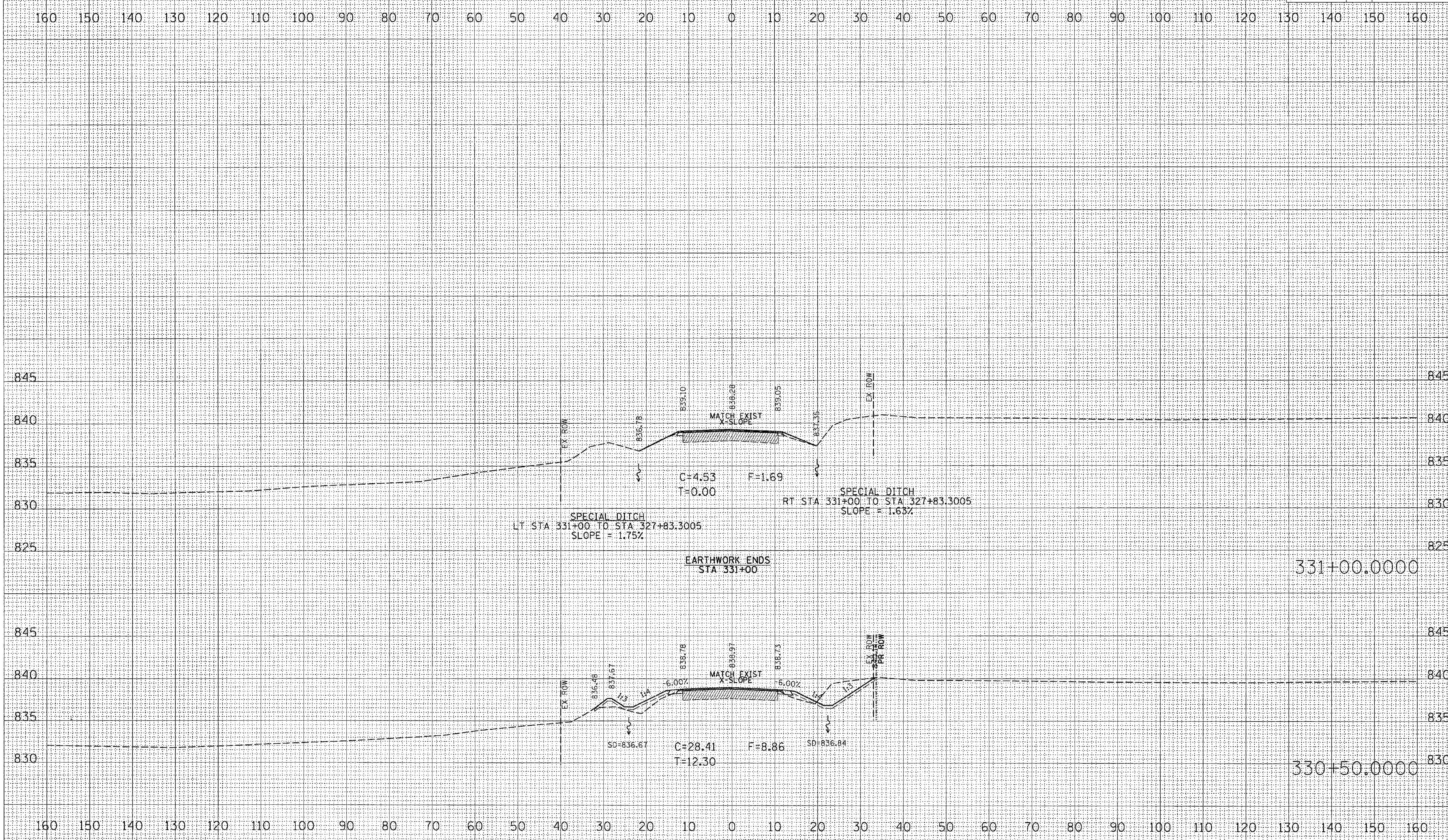
ORIGINAL SURVEY | NOTE BOOK | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

PLOT DATE = Wed Mar 07 11:55:49 2007
PLOT SCALE = 10.0000 ' / IN.

US RTE 52

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	193
STA. 330+50.0000 TO STA. 331+00.0000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

PLOT DATE = Wed Mar 07 11:55:49 2007
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USER NAME = stringerjm

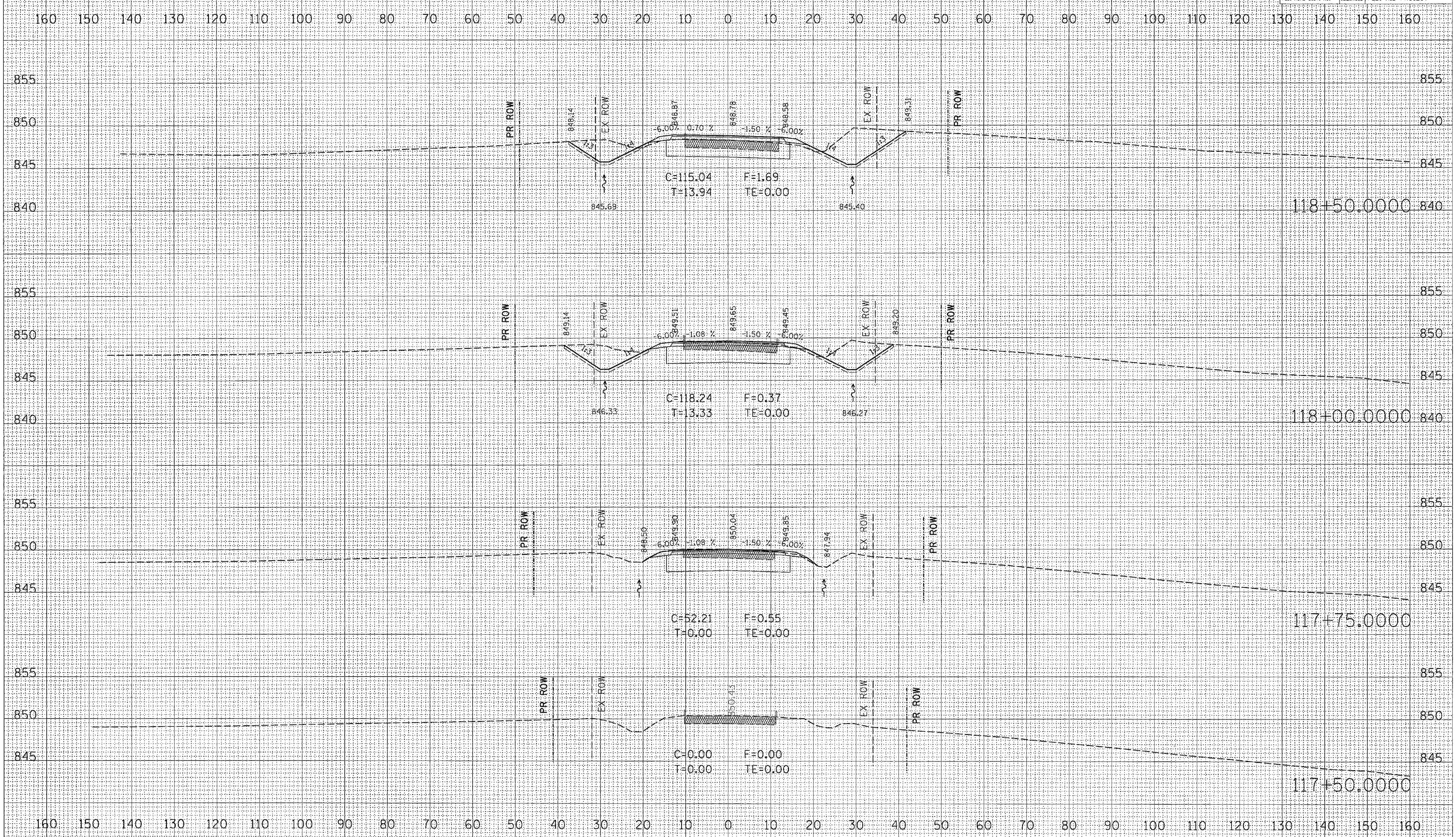
US RTE 52

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	194

STA. 117+50.0000 TO STA. 118+50.0000

FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT



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

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

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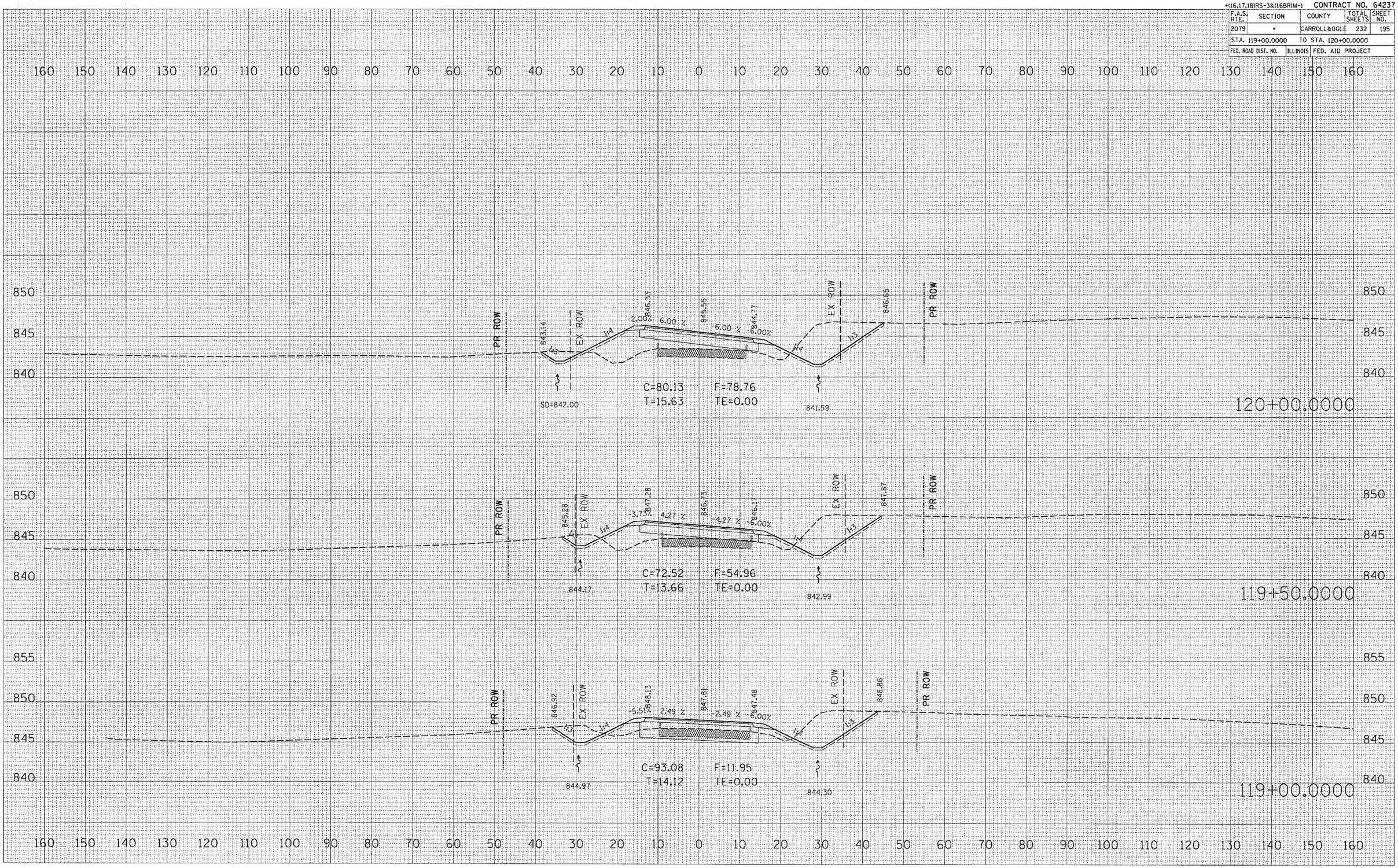
PLOT SCALE = 10.0000 ' / IN.
USER NAME = stringer_jm

BROOKVILLE ROAD

*(16,17,18)RS-3&(16BRIM-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	195
STA. 119+00.0000		TO STA. 120+00.0000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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



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BROOKVILLE ROAD

*(16,17,18)RS-3&(16BRIM-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	196
STA. 120+50.0000		TO STA. 121+50.0000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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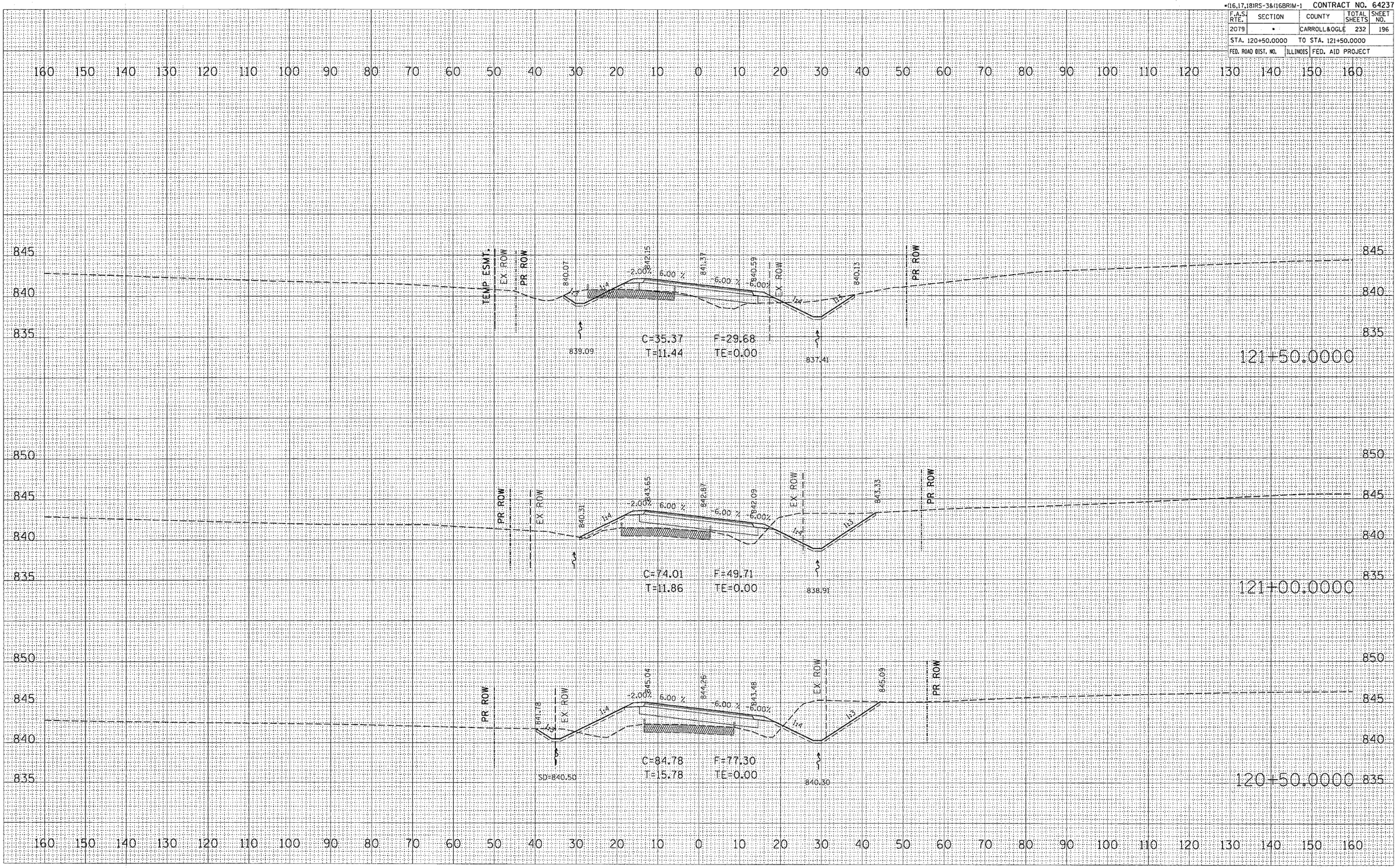

BROOKVILLE ROAD

•(16,17,18)RS-3&(16BRIM-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	•	CARROLL&OGLE	232	197
STA. 122+00.0000	TO STA. 122+37.7200			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

PLOT DATE = Wed Mar 07 13:07:08 2007
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USER NAME = stringerjm

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

845
840
835
830

SEE ENTRANCE PROFILE
ON PLAN AND PROFILE SHEETS

EX ROW
PR ROW
839.26
838.50
837.72
835.28
6.00 X
6.00 X
6.00X
1:4
1:3
C=36.48
T=4.55
F=82.73
TE=0.00
836.22
834.54
122+37.7200

EX ROW
PR ROW
840.24
840.35
839.77
838.99
836.96
2.00X
6.00 X
6.00 X
6.00X
1:4
1:3
C=30.39
T=11.69
F=39.98
TE=0.00
837.49
835.81
122+00.0000

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

BROOKVILLE ROAD

*(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	198
STA. 122+40.0000		TO STA. 122+50.0000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

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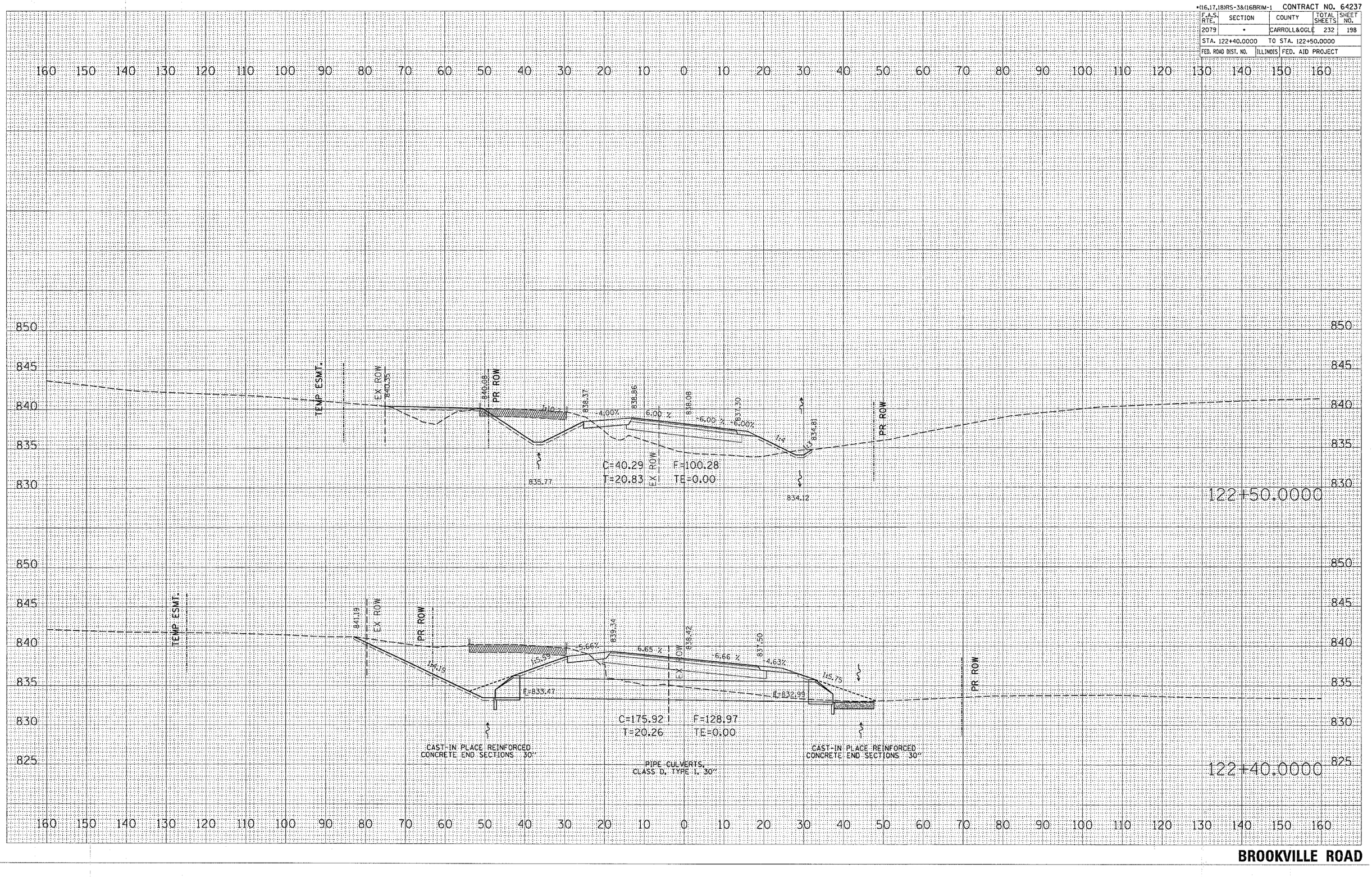

BROOKVILLE ROAD

•(16,17,18)RS-3&(16BR)M-1 CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	•	CARROLL&OGLE	232	199
STA. 123+00.0000		TO STA. 123+50.0000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

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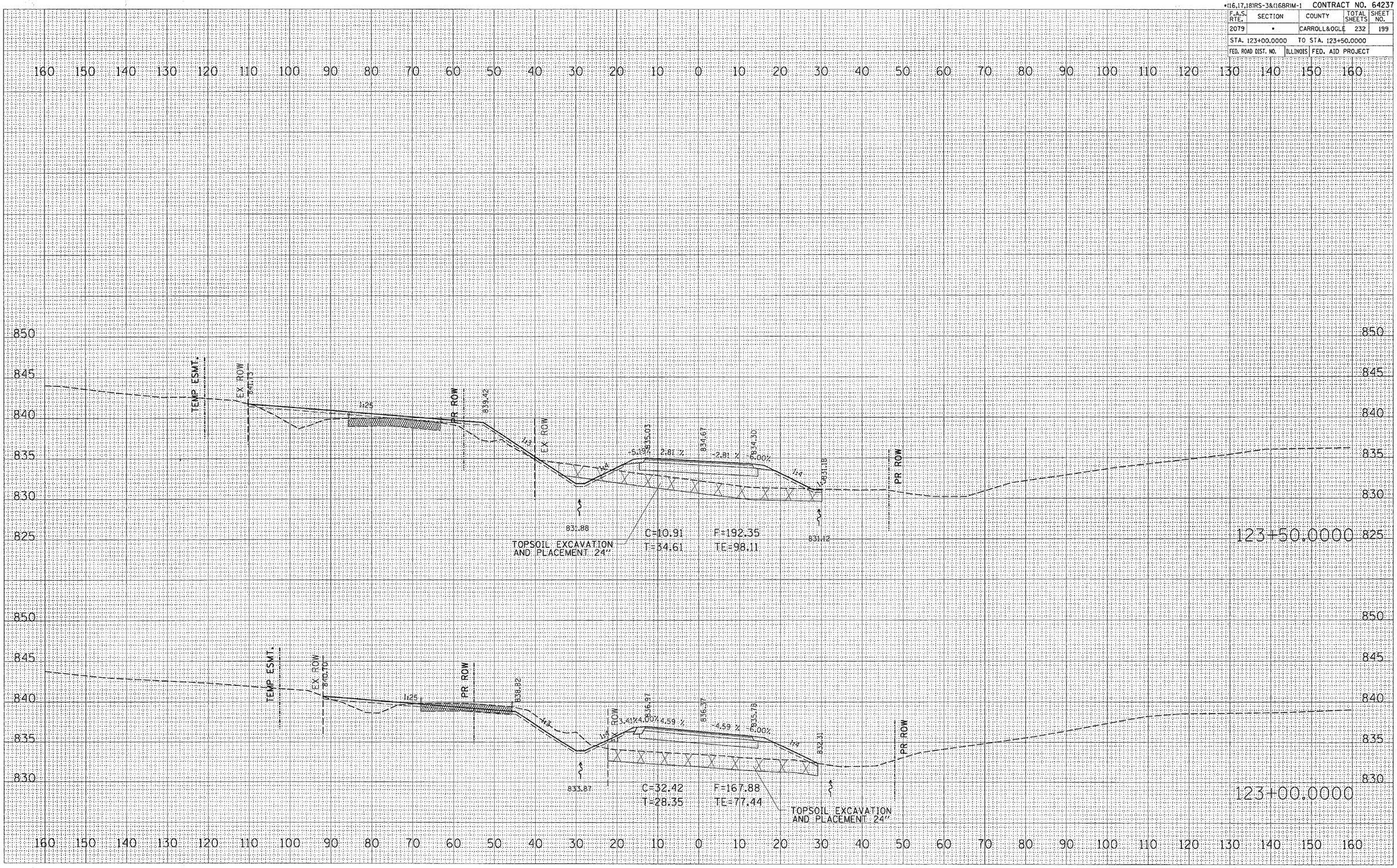
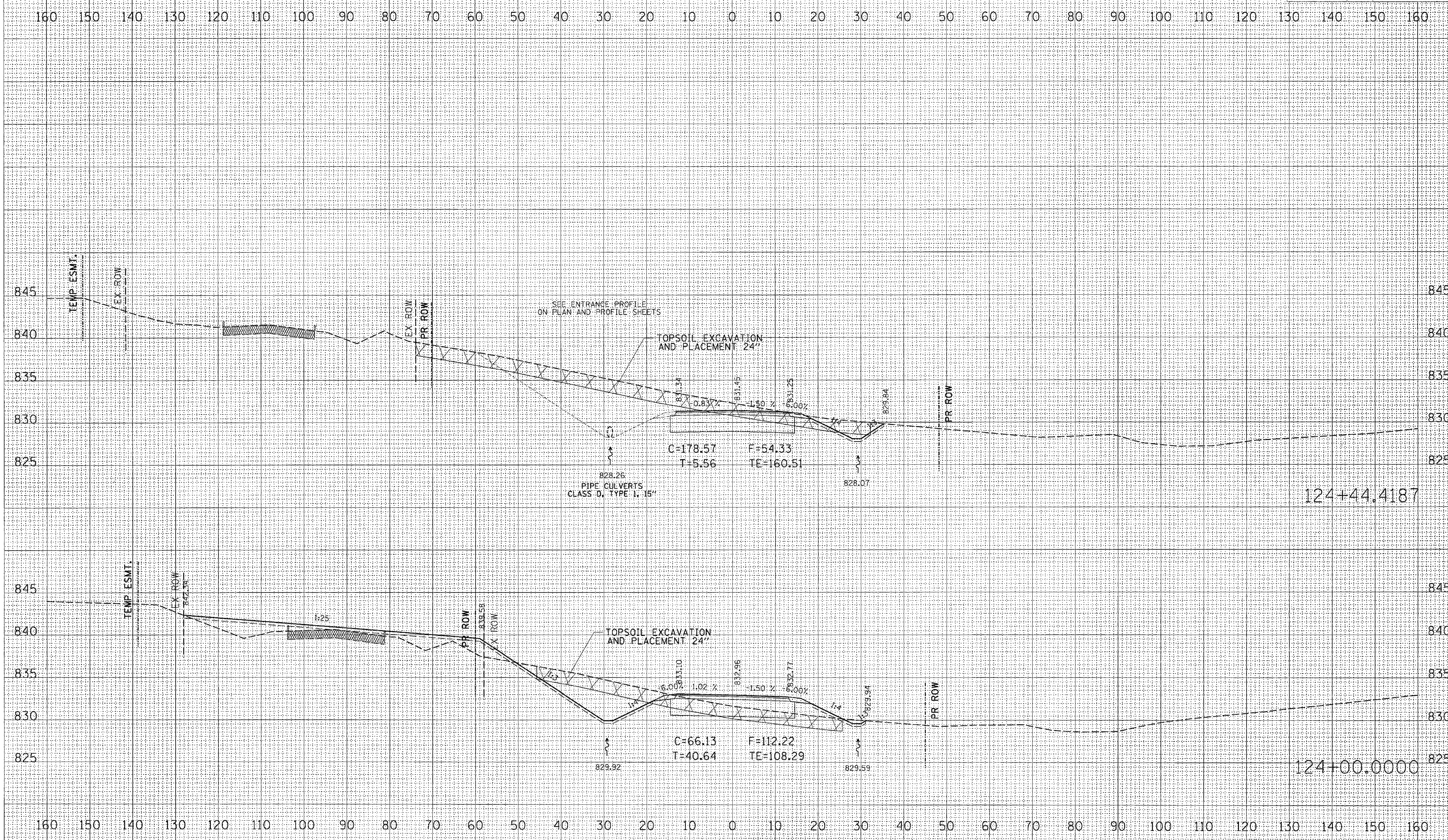
USER NAME = stringerjm



BROOKVILLE ROAD

*(16,17,18)RS-3&(16BR)M-1		CONTRACT NO. 64237		
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2079	*	CARROLL&OGLE	232	200
STA. 124+00.0000	TO STA. 124+44.4187			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

PLOT DATE = Wed Mar 07 13:07:09 2007
PLOT SCALE = 10.0000 ' / IN.
USER NAME = stringerjm

BROOKVILLE ROAD