






# BORING LOGS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	203
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* ROUTE 17 (US 52 / IL 64)				
** (1,2)RS & (3-1)RS-1				



**Illinois Department of Transportation**  
Division of Highways  
IDOT

## SOIL BORING LOG

Page 1 of 1  
Date 9/12/03

ROUTE FAP 17 DESCRIPTION P92-074-00 Retaining wall at Dauphin Road - south side of US 52/IL 64 LOGGED BY C. Jenkins


SECTION (1, 2, 3-1) RS LOCATION Savanna Twp. - SE, SEC. 1, TWP. 24N, RNG. 3E

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53

STRUCT. NO. Station	D E P T H ft	B L O W S	U C S Qu	M O I S T ure (%)	Surface Water Elev.		Groundwater Elev.:	
					None	ft	None	ft
					Stream Bed Elev.	None	First Encounter	None
						None	Upon Completion	Dry
BORING NO. <u>B-2a</u> Station <u>245+00</u> Offset <u>13.00ft Rt CL</u> Ground Surface Elev. <u>99.3</u> ft	(ft)	((6")	(tsf)	(%)	After	Hrs.		
Gravel								
MEDIUM green SILTY LOAM			0.6 P	14				
96.30								
MEDIUM gray/green SILTY LOAM TILL		3 4 7	0.8 S	17				
94.80								
VERY STIFF tan/gray SILTY LOAM with LIMESTONE fragments		4 5 7	2.7 S	19				
92.30								
VERY STIFF tan/gray SILTY CLAY		3 4 4	2.5 B	21				
89.80								
SOFT tan SILTY LOAM with LIMESTONE fragments		2 2 2	0.3 P	26				
87.30								
SOFT gray/tan SILTY LOAM		2 3 4	0.4 S	21				
84.80								
MEDIUM tan/gray SILTY LOAM		2 3 5	0.8 P	18				
82.30								
End of Boring								

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**  
Division of Highways  
IDOT

## SOIL BORING LOG

Page 1 of 1  
Date 9/11/03

ROUTE FAP 17 DESCRIPTION P92-074-00 Culvert on US 52, culvert 250' W. of Quarry Road LOGGED BY C. Jenkins

SECTION (1, 2, 3-1) RS LOCATION Mt. Carroll Twp. - SW, SEC. 10, TWP. 24N, RNG. 4E

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53

STRUCT. NO. Station	D E P T H ft	B L O W S	U C S Qu	M O I S T ure (%)	Surface Water Elev.		Groundwater Elev.:	
					None	ft	None	ft
					Stream Bed Elev.	None	First Encounter	None
						None	Upon Completion	Dry
BORING NO. <u>B-2b</u> Station <u>446+50</u> Offset <u>13.00ft Lt CL</u> Ground Surface Elev. <u>100.2</u> ft	(ft)	((6")	(tsf)	(%)	After	Hrs.		
Gravel								
MEDIUM brown SILTY LOAM with GRAVEL			1.5 P	15				
78.20								
STIFF tan/black SILTY LOAM		6 7 9	1.8 S	21				
97.20								
95.70								
VERY STIFF gray/tan SILTY CLAY		3 4 4	2.7 S	23				
93.20								
SOFT black SILTY CLAY with GRAVEL		3 3 4	0.4 S	22				
89.20								
LOOSE tan SAND & GRAVEL		2 3 4						
87.70								
MEDIUM black SILTY LOAM with GRAVEL		1 0 2	0.8 S	28				
85.70								
MEDIUM black SILTY CLAY		1 3 5	1.0 B	24				
83.20								
LOOSE tan/gray weathered LIMESTONE		5 4 4						
80.70								

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)


PLOT DATE = Fri, Mar 20, 06:29:43, 2007  
 FILE NAME = C:\Users\m33\Documents\2007\468\4681480\log-dgn  
 PLOT SCALE = 50.0000 / IN.  
 USER NAME = hnsaonke

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCALE: VERT. HORIZ. DATE

DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	204
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* ROUTE 17 (US 52 / IL 64)				
** (1,2)RS & (3-1)RS-1				

# BORING LOGS



**Illinois Department of Transportation**  
Division of Highways  
IDOT

## SOIL BORING LOG

Page 1 of 1

Date 2/15/06

ROUTE FAP 17 DESCRIPTION P92-074-00 Culvert on IL 64, 600' W. of Old Route 52 LOGGED BY J. Stratling


SECTION (1, 2, 3-1) RS LOCATION Mt. Carroll - 12 SW, SEC., TWP. 24N, RNG. 4E

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U N D ER S T R I K E	M O D E	Surface Water Elev. Stream Bed Elev.	Dry ft	D E P T H	B L O W S	U N D ER S T R I K E	M O D E
BORING NO. <u>B-2j</u> Station <u>332+60</u> Offset <u>34.00ft Rt CL</u> Ground Surface Elev. <u>94.3</u> ft					Groundwater Elev.: First Encounter <u>Dry</u> ft Upon Completion <u>Dry</u> ft After <u>Hrs.</u> Hrs.					
					MEDIUM orange-brown dirty SAND (continued)		73.30	4	6	
					SOFT brown SILTY LOAM		92.30	1	0.3	33
					SOFT tan/brown SILTY LOAM		90.80	1	0.3	27
					SOFT tan/brown SILTY LOAM		88.30	1	0.3	26
					MEDIUM tan weathered LIMESTONE with SAND lenses		68.30	5	10	15
					MEDIUM tan weathered LIMESTONE with SAND lenses		65.80	9	12	20
					STIFF brown SILTY LOAM		83.30	3	1.5	23
					MEDIUM tan SILT		60.80	4	1.5	19
					STIFF tan/brown SILTY LOAM		77.80	5	2.0	27
					MEDIUM orange-brown dirty SAND		75.80	5	6	7
					End of Boring		-20			

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**  
Division of Highways  
IDOT

## SOIL BORING LOG

Page 1 of 1

Date 7/20/06

ROUTE FAP 17 DESCRIPTION P92-074-00 Quarry Road culvert at IL 64 LOGGED BY B. Wetzel

SECTION (1, 2, 3-1) RS LOCATION Mt. Carroll Twp. - 10 SE, SEC., TWP. 24N, RNG. 4E

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U N D ER S T R I K E	M O D E	Surface Water Elev. Stream Bed Elev.	Dry ft	D E P T H	B L O W S	U N D ER S T R I K E	M O D E
BORING NO. <u>B-2k</u> Station <u>449+20 - IL 64</u> Offset <u>50.00ft Lt CL</u> Ground Surface Elev. <u>720.0</u> ft					Groundwater Elev.: First Encounter <u>92.0</u> ft Upon Completion <u>92.0</u> ft After <u>Hrs.</u> Hrs.					
					SOFT brown SANDY LOAM		718.00	0.3	20	
					End of Boring		-20			

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)

PLOT DATE = Fri Mar 23 06:28:42 2007  
 FILE NAME = c:\progra\p207480\074801\074801.dgn  
 PLOT SCALE = 50.0000' / IN.  
 USER NAME = henstade

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCALE: VERT. HORIZ. DATE  DRAWN BY CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	205
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* ROUTE 17 (US 52 / IL 64)				
** (1,2)RS & (3-1)RS-1				

# BORING LOGS



**Illinois Department of Transportation**  
Division of Highways  
IDOT

## SOIL BORING LOG

Page 1 of 1

Date 9/12/03

ROUTE FAP 17 DESCRIPTION P92-074-00 Retaining wall at Dauphin Road - south side of US 52/IL 64 LOGGED BY C. Jenkins


SECTION (1, 2, 3-1) RS LOCATION Savanna Twp. - SE, SEC. 1, TWP. 24N, RNG. 3E

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53

STRUCT. NO. Station	D E P T H	B L O W S	U L C I S S	M O I S T U R E	Surface Water Elev.	
					None	ft
					Stream Bed Elev.	None
					Groundwater Elev.:	
					First Encounter	None
					Upon Completion	Dry
					After	Hrs.
BORING NO. <u>B-3a</u>						
Station <u>244+50</u>						
Offset <u>13.00ft RI CL</u>						
Ground Surface Elev. <u>99.6</u> ft	(ft)	(6")	(tsf)	(%)		
Gravel				0.7	14	
MEDIUM brown SILTY LOAM with GRAVEL			P			
96.60		4				
VERY STIFF gray/tan SILTY LOAM TILL		6	2.9	20		
95.10		7	S			
92.60		4				
VERY STIFF tan SILT		4	2.4	20		
90.10		3	0.6	18		
MEDIUM tan SILTY LOAM with LIMESTONE fragments		3	P			
87.60		1	0.4	20		
SOFT tan SILT with LIMESTONE fragments		1	P			
85.10		3	0.7	24		
MEDIUM tan SILTY LOAM with LIMESTONE fragments		5	B			
82.60		2	0.8	25		
MEDIUM tan SILT		5	B			
End of Boring						

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**  
Division of Highways  
IDOT

## SOIL BORING LOG

Page 1 of 1

Date 7/20/06

ROUTE FAP 17 DESCRIPTION P92-074-00 Quarry Road culvert at IL 64 LOGGED BY B. Wetzell

SECTION (1, 2, 3-1) RS LOCATION Mt. Carroll Twp. - 10 SE, SEC. 1, TWP. 24N, RNG. 4E

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U L C I S S	M O I S T U R E	Surface Water Elev.	
					None	ft
					Stream Bed Elev.	92.0
					Groundwater Elev.:	
					First Encounter	
					Upon Completion	
					After	Hrs.
BORING NO. <u>B-3k</u>						
Station <u>450+19 - IL 64</u>						
Offset <u>54.00ft Lt CL</u>						
Ground Surface Elev. <u>716.0</u> ft	(ft)	(6")	(tsf)	(%)		
SOFT brown SILT LOAM				.3	29	
714.00			P			
VERY SOFT brown SILTY CLAY LOAM				0.1	35	
712.50			P			
VERY SOFT brown SANDY LOAM with weathered LIMESTONE				0.1	35	
709.50			P			
End of Boring						

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)

PLOT DATE = Fri Mar 23 06:28:43 2007  
 FILE NAME = c:\p\proj\17\207480\187480.dwg  
 PLOT SCALE = 50.0000 / 1" = horizontal  
 USER NAME = henneman

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCALE: VERT. HORIZ. DATE
DRAWN BY		CHECKED BY



# BORING LOGS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	207
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* ROUTE 17 (US 52 / IL 64)				
** (I,2)RS & (3-1)RS-1				

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 District Two Materials  
 Mt. Carroll Twp. - SW 10 - T24N, R4E

Units English  
 Bridge Foundation  
 Boring Log

PROJECT BRIDGE US 52/IL 64 OVER stream west of Mt. Carroll at North Quarry Road Date 07/15/99 Sh. 1 of 1  
 ROUTE SRI 27 Bored By C. Jenkins  
 SEC. (1, 2) R STA. 328 + 32 Checked By T. Bratt

COUNTY Carroll

DEPTH	QUANTITY	W	Surf Wat. El.	DEPTH	QUANTITY	W
H	t/sf	%	At	H	t/sf	%
0			85.7			
	0.8	13	Groundwater El. at Compl. Mash			
	0.5	12	1st 5' Core Run 5' Recovery 100% gray DOLOMITE	-25		
	1.4	18	2nd 5' Core Run 5' Recovery 100% gray DOLOMITE	-30		
	0.7	24	3rd 5' Core Run 5' Recovery 100% gray DOLOMITE	-35		
			END OF CORING END OF BORING	-38		
	0.8	18		-40		
				-45		
	100/8"	100%		-48		
				-50		
				-55		

Ground Surface 89.4  
 MEDIUM orange SANDY LOAM with GRAVEL  
 Same as above  
 STIFF brown SILTY CLAY with GRAVEL  
 MEDIUM brown SILTY LOAM with GRAVEL and LIMESTONE fragments  
 MEDIUM brown SAND & GRAVEL  
 MEDIUM black SILTY CLAY with GRAVEL  
 Streambed Elev. - 85.2  
 1st 5' Core Run 5' Recovery 100% gray/yellow DOLOMITE  
 2nd 5' Core Run 5' Recovery 100% gray/yellow DOLOMITE  
 3rd 5' Core Run 5' Recovery 100% gray/yellow DOLOMITE

N-Std Penet Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fall. B-Bulge S-Shear E-Estimated P-Paratrometer)

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 District Two Materials

Rock Core Description

Mt. Carroll Twp. - SW 10 - T24N, R4E

PROJECT BRIDGE US 52/IL 64 OVER stream west of Mt. Carroll at North Quarry Road Date 07/15/99 Sh. 1 of 1  
 ROUTE SRI 27 Bored By C. Jenkins  
 SEC. (1, 2) R STA. 328 + 32 Checked By T. Bratt

COUNTY Carroll

Boring No. D-1  
 Sta 327 - RR  
 O/S 15' LC Ck

Ground Surface Elevation 89.4  
 Rock Surface Elevation 84.9  
 Begin Coring Elevation 80.9

PROFILE		Description	CORE NOTES
From	To		
80.9	75.5	Dolomite: Light gray with visible crystalline structure, dense and fractured with minor honeycombing throughout.	Core Run #1 Begin Elev.: 80.9 End Elev.: 75.9 Recovery=5'/5' = 100% RQD= 0.67' / 5' = 13%
75.9	70.9	Dolomite: As above and very fractured.	Core Run #2 Begin Elev.: 75.9 End Elev.: 70.9 Recovery=5'/5' = 100% RQD= 1.5' / 5' = 30%
70.9	65.9	Dolomite: As above with dime size cavities 66.9 to 65.9.	Core Run #3 Begin Elev.: 70.9 End Elev.: 65.9 Recovery=5'/5' = 100% RQD= 0.33' / 5' = 7%

PLT DATE = Fri Mar 23 06:28:45 2007  
 FILE NAME = c:\projects\1207480\borings\87480log.dgn  
 PLOT SCALE = 50.0000 / 1 IN.  
 USER NAME = hennicke

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCALE: VERT. HORIZ. DATE

DRAWN BY  
 CHECKED BY

# BORING LOGS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	208
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* ROUTE 17 (US 52 / IL 64)				
** (1-DRS & (3-DRS-1				

ILLINOIS DEPARTMENT OF TRANSPORTATION  
District Two Materials

Units English  
Bridge Foundation  
Boring Log

PROJECT BRIDGE US 52/IL 64 OVER stream west of Mt. Carroll at North Quarry Road  
ROUTE SBL 27  
SEC. (1, 2) R STA. 328 + 32  
Date 07/15/99  
Checked By T. Bratt  
Bored By C. Jenkins

D E P T H F E E T	N	QU t/ft	W %	Surf Mat Bl. SS.7 Groundwater El. at Compl Wash At Hrs	D E P T H F E E T	N	QU t/ft	W %	Description
0									Ground Surface 98.0
0.5		0.5	15						MEDIUM brown/orange SANDY LOAM with GRAVEL
4		4	15						STIFF brown SANDY CLAY with GRAY SILT
8		2	14						STIFF brown SANDY LOAM with GRAVEL
12		3	20						MEDIUM black SILTY LOAM
16		3	15						LOOSE yellow SAND with weathered LIMESTONE fragments
20		6	15						Stressed Elev. - 85.2 STIFF gray SILTY LOAM with GRAVEL
24		100/3"							First Encounter VERY DENSE gray weathered LIMESTONE
28		4	21						MEDIUM gray SILT with GRAVEL - weathered LIMESTONE strata replacement
32		4	12						Same as above
35									next column

100/3" PEN  
END OF CORE  
END OF BORING

N-Std Penetr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fall. B-Bulge S-Shear E-Estimated P-Penetrometer)

ILLINOIS DEPARTMENT OF TRANSPORTATION  
District Two Materials

Rock Core Description

PROJECT BRIDGE US 52/IL 64 OVER stream west of Mt. Carroll at North Quarry Road  
ROUTE SBL 27  
SEC. (1, 2) R STA. 328 + 32  
Date 07/15/99  
Checked By T. Bratt  
Bored By C. Jenkins

Boring No. B-2  
Sta 328 + 32  
G/S 16' Rt CL

Ground Surface Elevation 98.0  
Rock Surface Elevation 75.2  
Begin Coring Elevation 75.2

PROFILE		CORE	
From	To	Description	Notes
75.0	70.0	Dolomite: Light gray with visible crystalline structure, dense and fractured with minor honeycombing throughout.	Core Run #1 Begin Elev.: 75.0 End Elev.: 70.0 Recovery=5'/5' = 100% RQD= 0'/5' = 0%
70.0	65.0	Dolomite: As above.	Core Run #2 Begin Elev.: 70.0 End Elev.: 65.0 Recovery=5'/5' = 100% RQD= 0'/5' = 0%
65.0	60.0	Dolomite: As above.	Core Run #3 Begin Elev.: 65.0 End Elev.: 60.0 Recovery=5'/5' = 100% RQD= 0'/5' = 0%

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. / HORIZ. / DATE

DRAWN BY / CHECKED BY

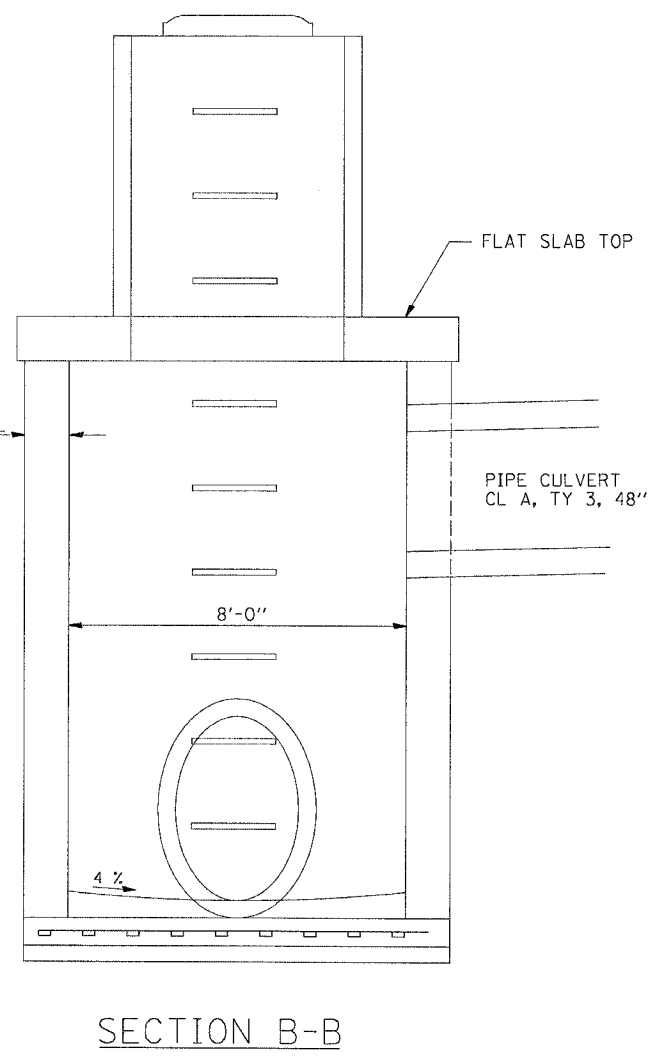
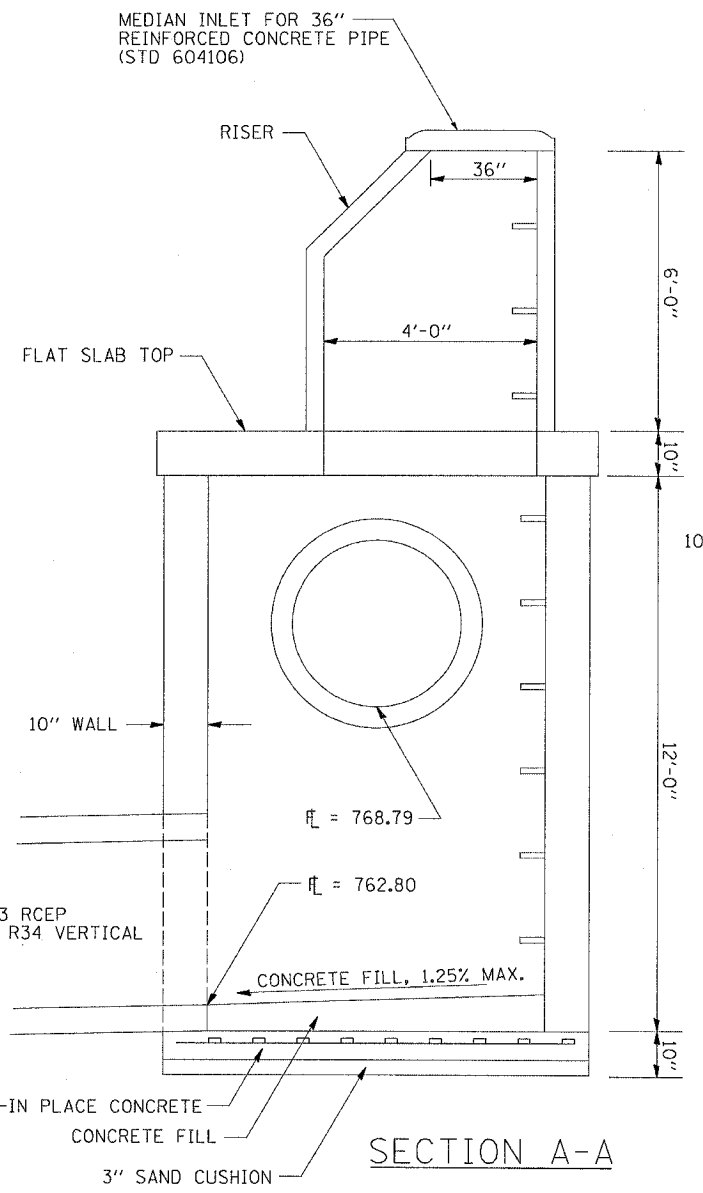
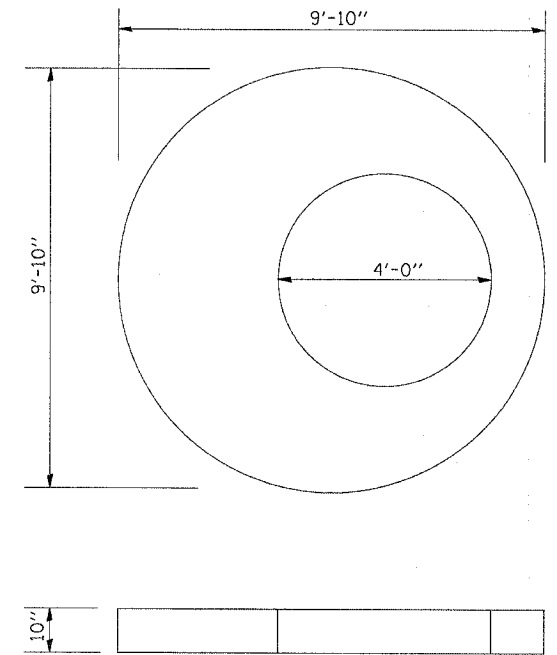
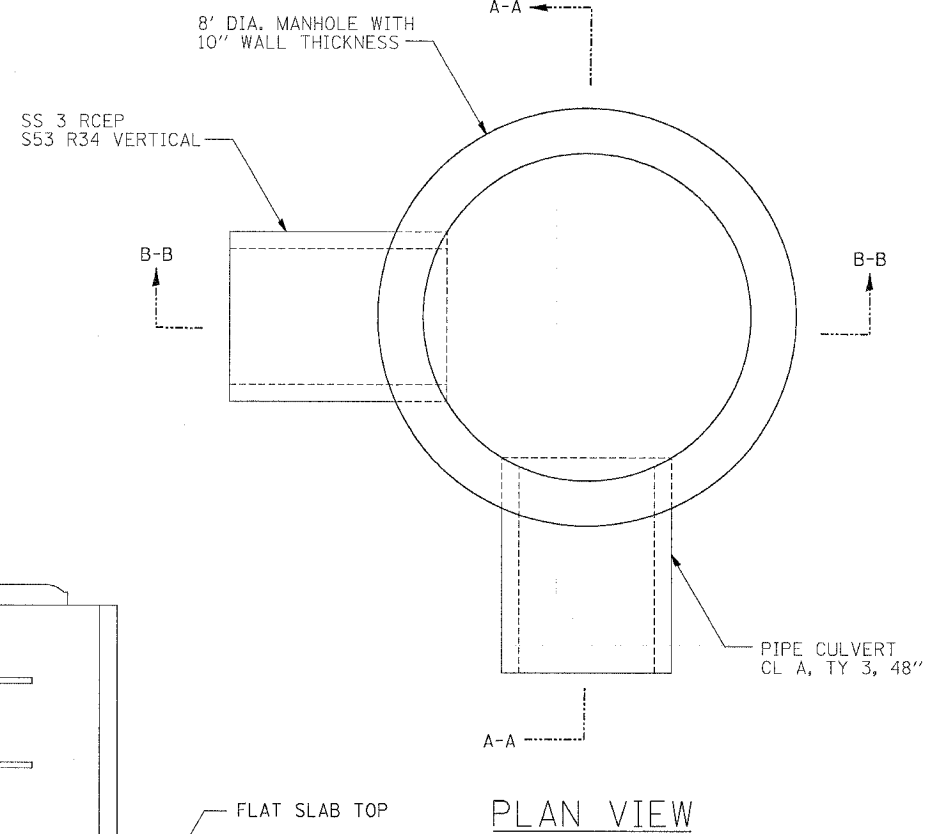
## BORING LOGS

PLOT DATE: Fri Nov 23 06:26:49 2007  
FILE NAME: c:\projects\2007\480\487\487108108.dgn  
PLOT SCALE: 50.0000 / IN.  
USER NAME: hansonke



# MANHOLE, SPECIAL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	209
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• ROUTE 17 (US 52 / IL 64) •• (1,2)RS & (3,1)RS-1				



**GENERAL NOTES**

THIS WORK SHALL BE COMPLETED ACCORDING TO THE APPLICABLE PORTIONS OF ARTICLE 504 OF THE STANDARD SPECIFICATIONS

JOINT CONFIGURATION AND DIMENSIONS OF FLAT SLAB TOP SHALL MATCH AND FIT THE RISER JOINT DETAIL

LIFTING DEVICES SHALL BE APPROVED BY THE ENGINEER.

STEPS SHALL BE ADDED TO THE DROP BOX AS PER STATE STANDARD 602701-01

THIS WORK SHALL BE PAID FOR AT THE CONTRACT PRICE EACH FOR MANHOLE, SPECIAL

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCALE: VERT. HORIZ. DATE

DRAWN BY  
CHECKED BY

## MANHOLE, SPECIAL

PLOT DATE = Fri Mar 23 10:45:14 2007  
 FILE NAME = c:\nrc\psets\p-207490\107489.dgn  
 PLOT SCALE = 50.0000 / 1"  
 USER NAME = Remonko

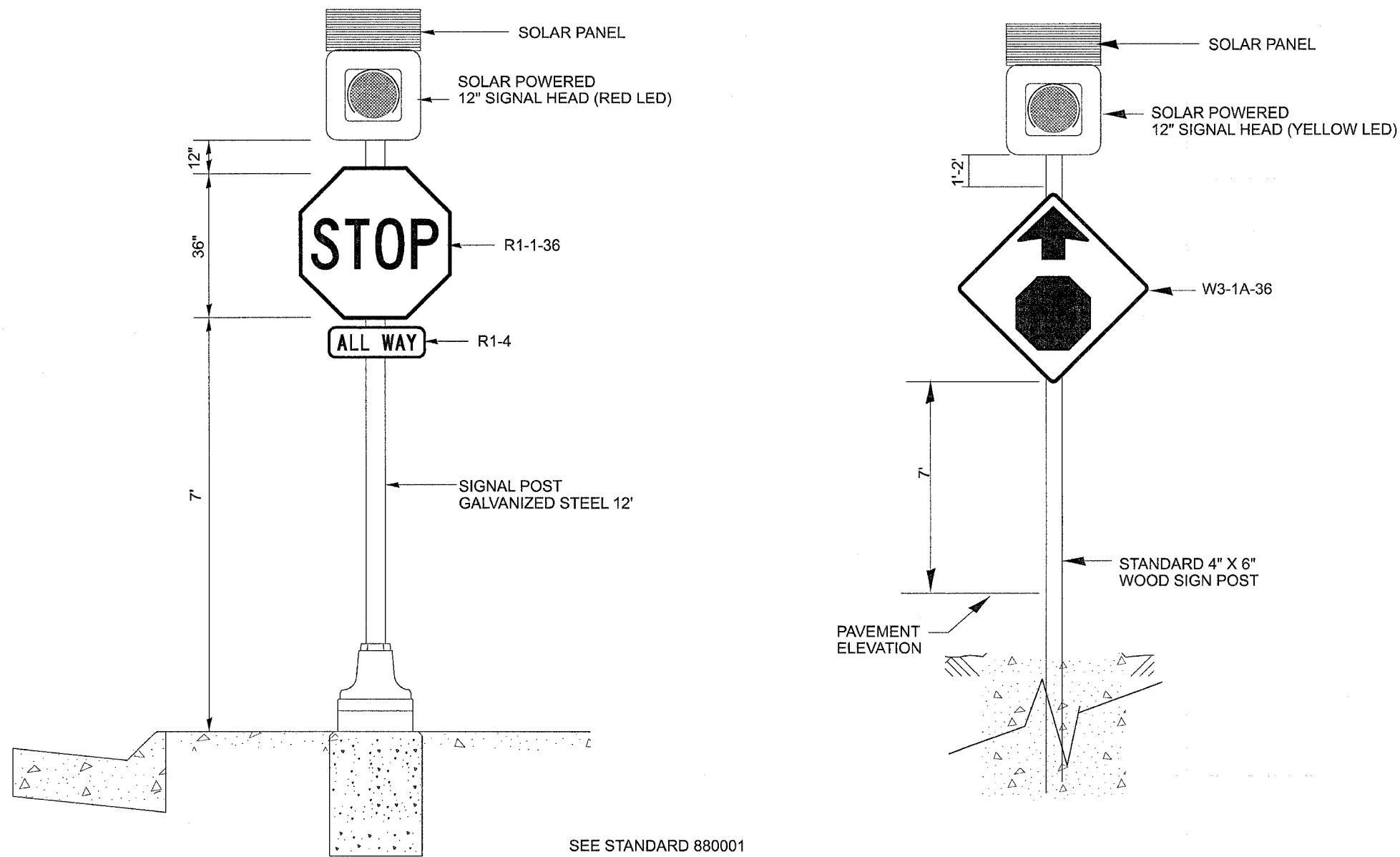






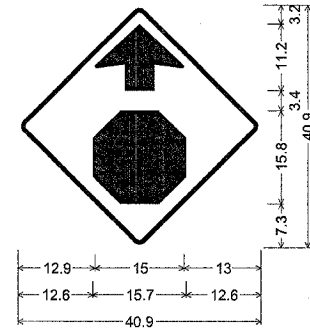
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	213
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* ROUTE 17 (US 52 / IL 64)				
** (1-2)RS & (3-1)RS-1				

# SOLAR POWER FLASHER DETAIL



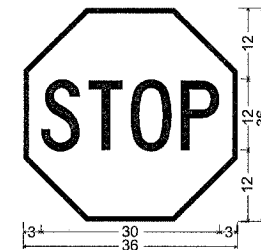
SEE STANDARD 880001

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.



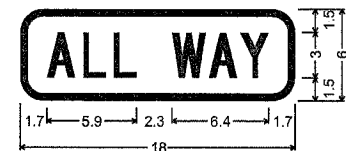
W3-1A MIN;  
30.0" across sides 1.9" Radius, 0.8" Border, 0.5" Indent, Black on Yellow;  
Down Arrow Custom - 11.3" 90°;

FOUR (4) SIGNS REQUIRED



R1-1-36; 0.9" Border, White on Red;  
[STOP] C 60) spacing;

EIGHT (8) SIGNS REQUIRED



R1-4;  
1.5" Radius, 0.5" Border, White on Red;  
[ALL WAY] C;

EIGHT (8) SIGNS REQUIRED

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT.  
HORIZ.  
DATE

DRAWN BY  
CHECKED BY

## FLASHER AND SIGN DETAILS

LIGHT POLE MOUNTING HEIGHT	STEEL FOUNDATION			CONCRETE FOUNDATION		
	BOLT CIRCLE DIAMETER	SHAFT DIAMETER	SHAFT DEPTH	SHAFT DIAMETER	SHAFT DEPTH	ANCHOR ROD LENGTH *
<9.1 m (30')	292 mm (11 1/2")	220 mm (8 3/8")	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 (11 1/2")	220 mm (8 3/8")	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')	381mm (15")	220 mm (8 3/8")	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')	381mm (15")	220 mm (8 3/8")	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')	381mm (15")	220 mm (8 3/8")	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 (8 3/8" 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.

**Notes:**

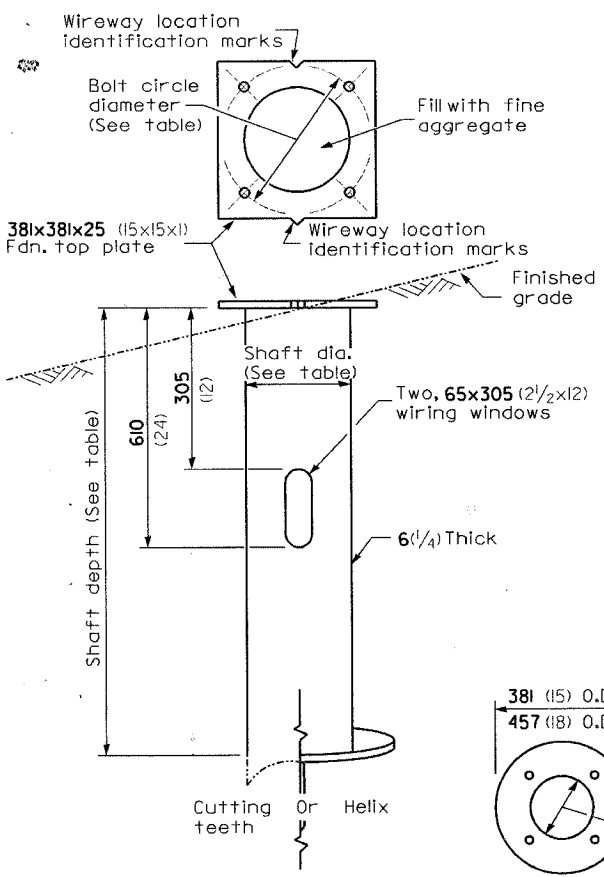
Wireway may be on front, back, or side of foundation as required by the trenching. Place door of transformer base on wireway side to minimize the number of unit duct bends.

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

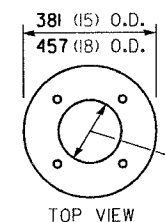
75 (3) Min. concrete cover on all steel

25 (1) Steel anchor rod with 230 (9) of threads. See table for the required bolt circle diameter.

19 (3/4) Bevel  
 Finished grade

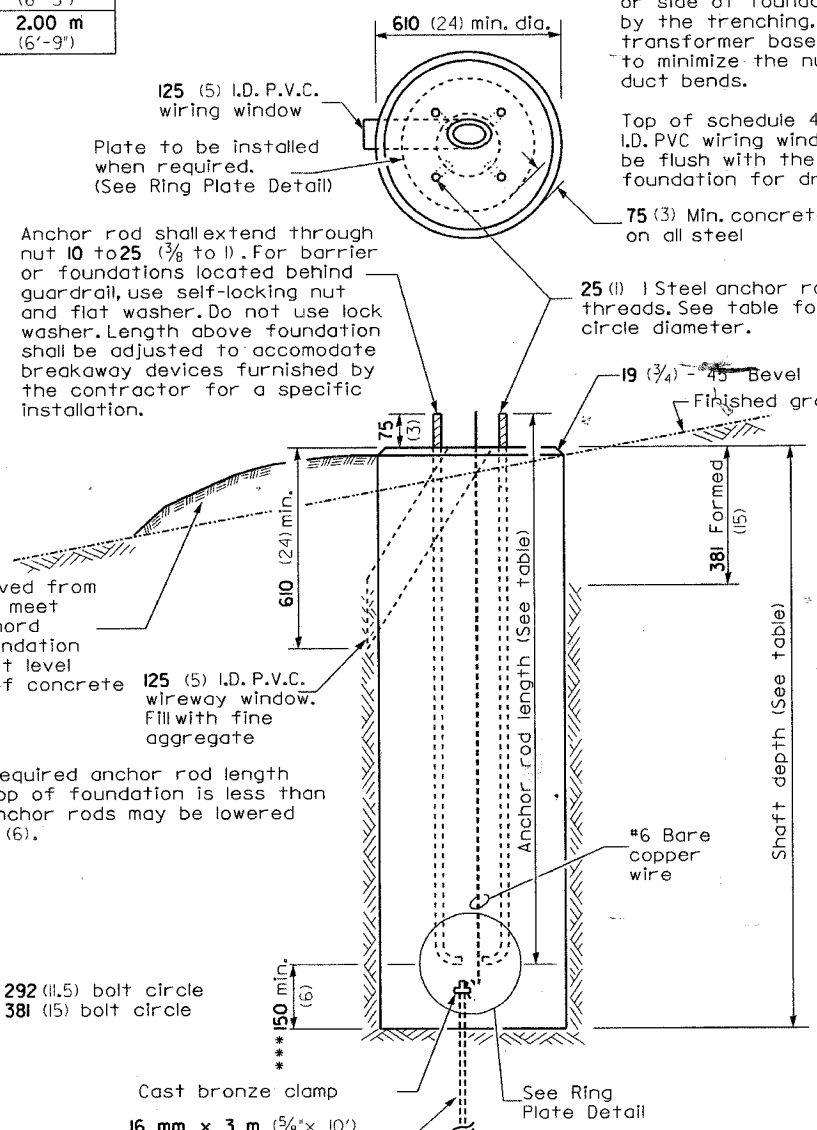


**STEEL FOUNDATION**

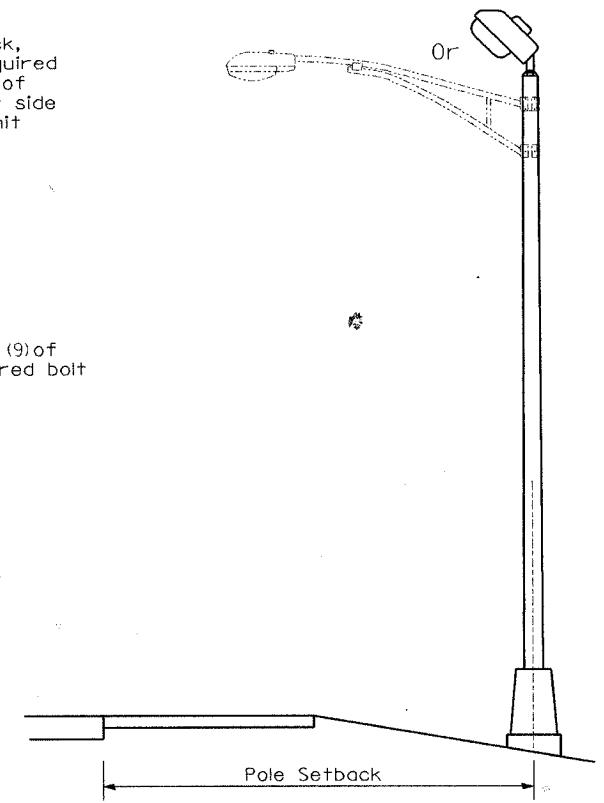


**RING PLATE DETAIL**

(When rock is encountered and foundation is shallower)



**CONCRETE FOUNDATION**



**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.

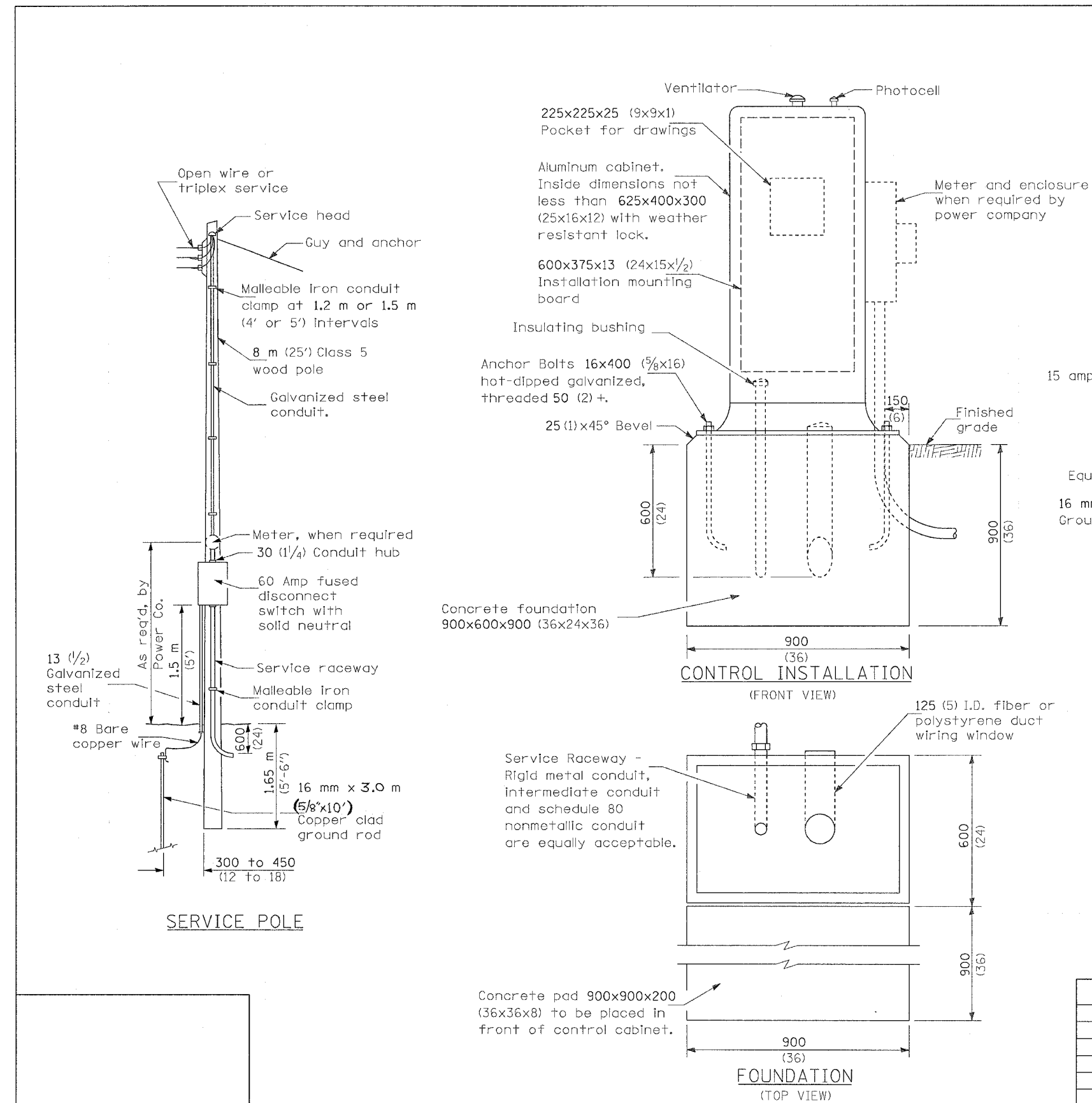
All dimensions are in millimeters (inches) unless otherwise shown.

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

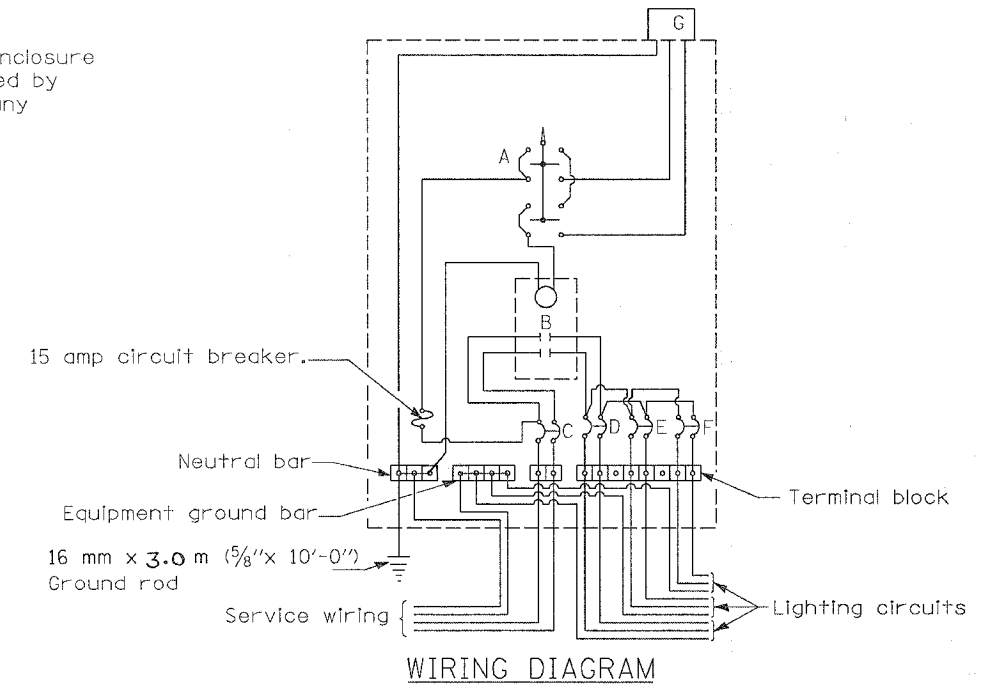
**LIGHT POLE FOUNDATION**

LGT007-836

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	215
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* ROUTE 17 (US 52 / IL 64)				
** 112RS & 131RS-1				



- A Selector switch
- B 2 Pole 100 amp contactor
- C 2 Pole 60 amp service disconnect
- D,E,F 2 Pole 30 amp breakers
- G Photocell w/Integral surge arrester



GENERAL NOTES

Locate service pole and control installation adjacent to R.O.W. line with a minimum distance of 9 m (30') from the edge of pavement. Exact location shall be established by the Engineer.

The underground service entrance wiring shall not exceed 46 m (150'). Total aerial and underground service between the control installation and primary transformer shall not exceed 76 m (250').

Raceways shall terminate 75 (3) above top of concrete foundation.

For 480 V. systems, a 480/120 V. control transformer will be required.

All dimensions are in millimeters unless otherwise shown.

- 240 V. SERVICE
- 480 V. SERVICE

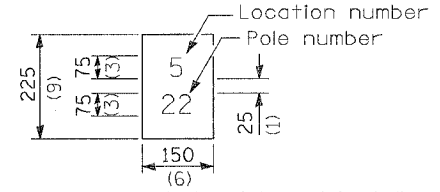
DATE	REVISIONS

CONTROL INSTALLATION  
TYPE CB-RCS-100

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	216
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* ROUTE 17 (US 52 / IL 64)				
** ILS 2RS & ILS 1RS-1				

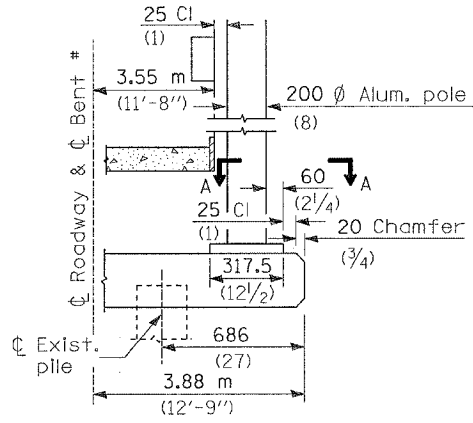
"Install and orient arm bracket over pole tenon and firmly hand tighten the two set screws. Use third hole in arm bracket as a guide to drill a 8.3 (5/16) diameter hole through tenon. Install and tighten self-tapping screw. Tighten set screws an additional (1/4 to 3/8) turn with hex key (not provided). 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<sup>2</sup> (4.0 sq. ft.) E.P.A. luminaire.

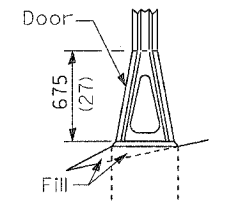


The contractor shall furnish and install a light pole identification of each new light pole, as shown above, incidental to the respective light pole pay item. The numerals shall be 75 (3) series "D", black, screened on silver-white type B pressure sensitive reflective sheeting conforming to the requirements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

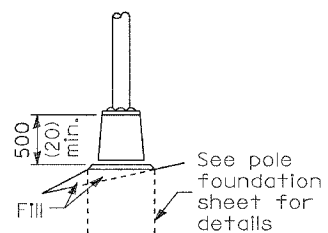
The light pole identification shall be applied to sign base material as specified in section 1085.05 of the Standard Specifications, approximately 180 (7) above the adjacent pavement grade visible to approaching traffic in accordance with Highway Standard 2319.



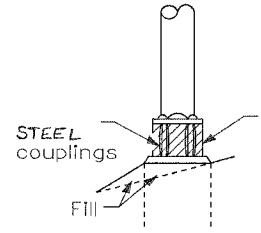
BENT # (Looking )



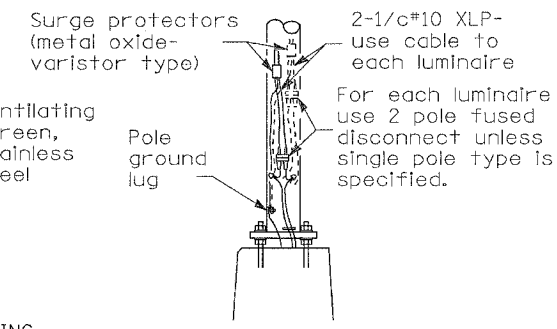
STAINLESS STEEL FLAIR BASE



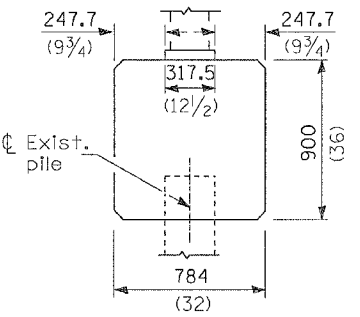
TRANSFORMER BASE



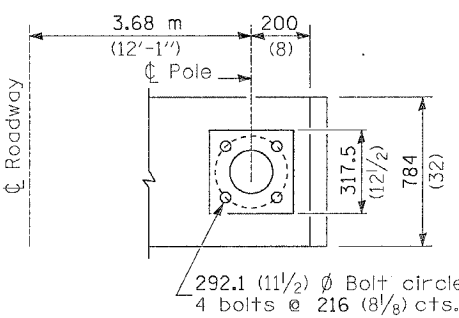
BREAKAWAY COUPLING



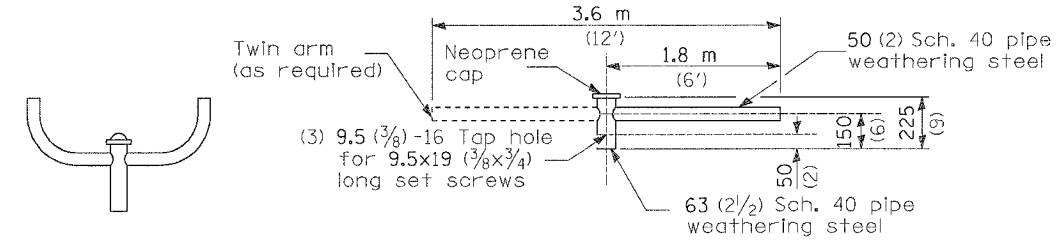
ANCHOR



BRIDGE PIER MOUNT



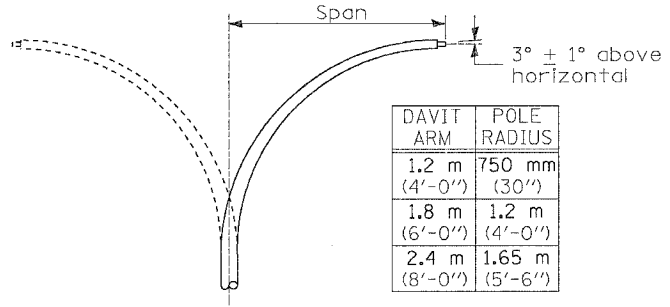
SECTION A-A



TWIN TENON

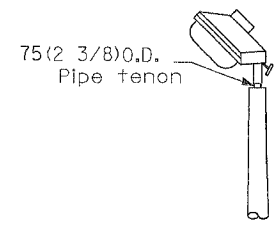
TENON MOUNT BRACKET ARM

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

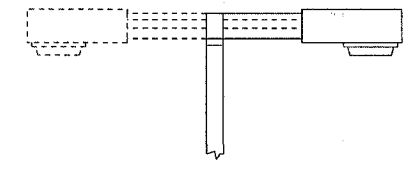


DAVIT ARM (and or)

DAVIT ARM-TWIN

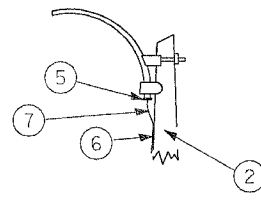


TENON

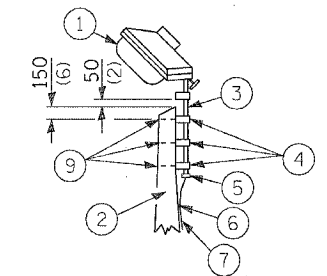


SHORT BRACKET

SHORT BRACKET - TWIN

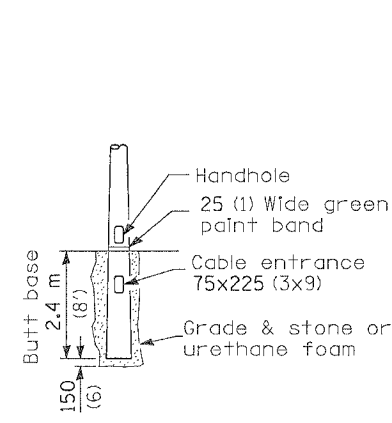


MAST ARM

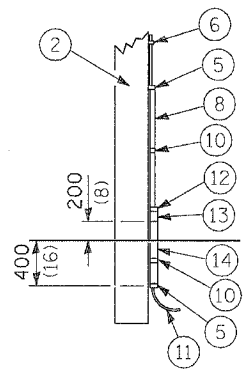


TENON

- 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) 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" Condulet, 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.



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

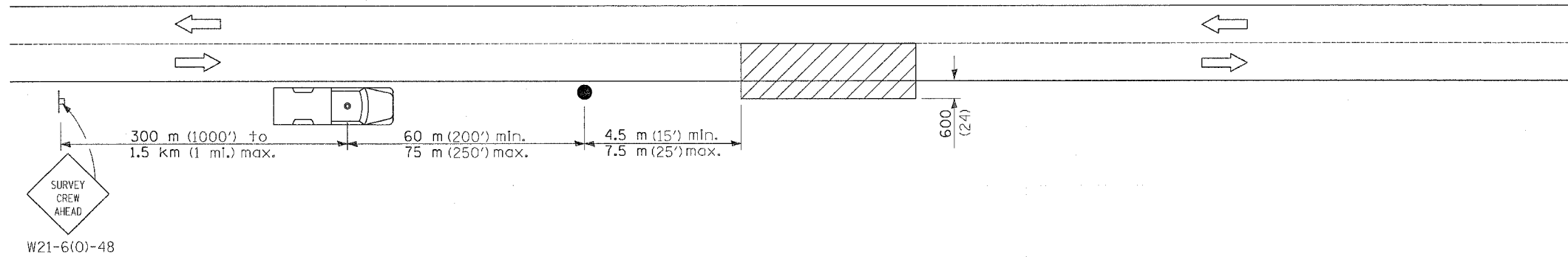
DATE	REVISIONS

POLE STANDARDS



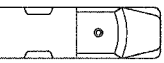



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	217
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

\* ROUTE 17 (US 52 / IL 64)  
 \*\* (1-UBS & (3-UBS-1)



SYMBOLS

-  Work area
-  Sign on portable or permanent support
-  Truck with flashing amber light and dual emergency flashers
-  Flagger with traffic control sign

TYPICAL APPLICATIONS  
 Utility operations

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

DATE	REVISIONS

DETAIL FOR  
 NIGHTTIME LIGHTING  
 INSPECTION

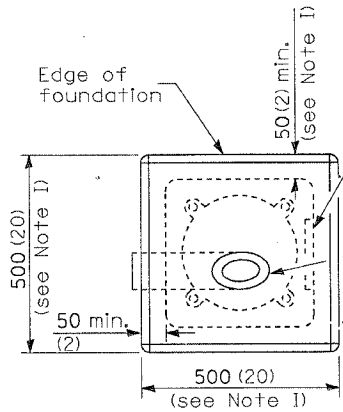
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.	SHEET NO.
*	**	CARROLL	548	218
STA.		TO STA.		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* ROUTE 17 (US 52 / IL 64)				
** (1-2)RS & (3-1)RS-1				

DATA, STEEL \*\*  
FOUNDATION TABLE

BOLT CIRCLE	A	B	MOUNTING HEIGHT
381 mm (15")	254 mm (8")	1.8 m (8')	12 m to 16.0 m * (40' - 50')
381 mm (15")	203 mm (8")	1.8 m (6')	13.7 m to 16m (45'-50')
292 mm (11")	203 mm (10")	1.8 m (6')	12.0 m or less (40')
292 mm (11")	203 mm (10")	1.8 m (6')	9 m or 11.7 m (30 - 39') ***

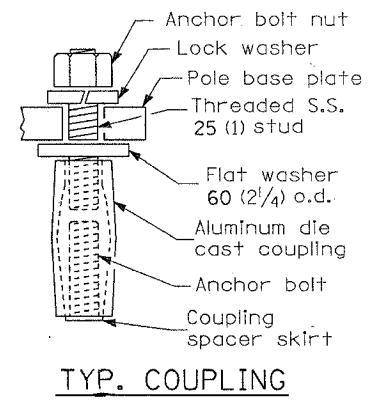
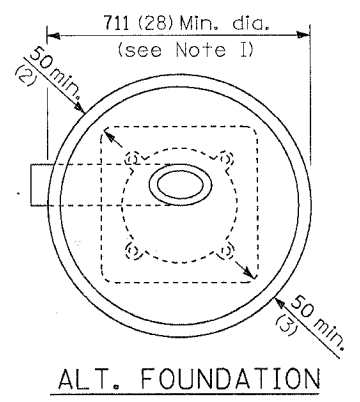
LOW MOUNTING FOUNDATION TABLE

HEIGHT	DEPTH	BOLT CIRCLE
9 m (30')	1.5 m (5'-0")	292 mm (11")
9.4 m - 10.7 m (31'-35')	1.8 m (6'-0")	292 mm (11")
11.9 m - 12.0 m (36'-40')	2.1 m (7'-0")	381 mm (15")
12.5 m - 13.7 m (41'-45')	2.3 m (7'-6")	381 mm (15")
14.0 m - 16.0 m (46'-50')	2.4m (8'-0")	381 mm (15")

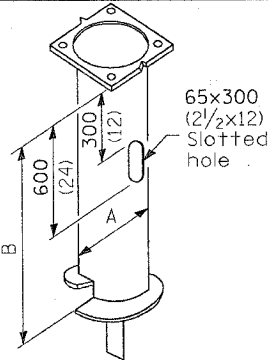


Place door on wireway side. Wireway may be on front, back, or side of foundation as required by the trenching which should permit unit duct to have as few bends as are practical.

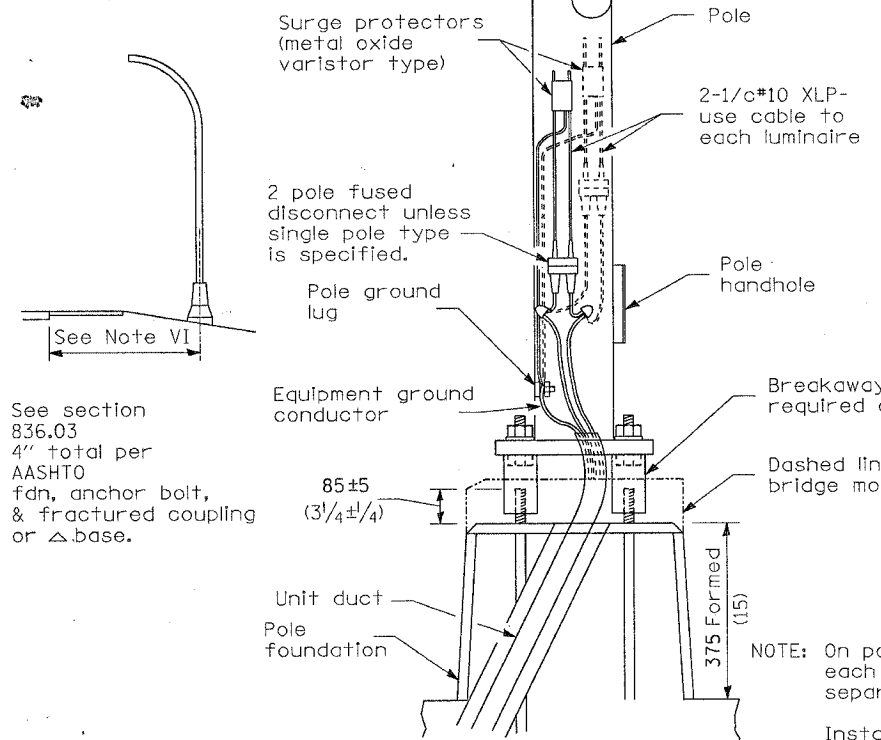
Top of fiber duct shall be flush with the tip of foundation for drainage. 125 mm (5") I.D. type I fiber or polystyrene duct wiring window.



\* For use on poles w/twin tenon  
 \*\* Minimum torque req'd to install foundations shall be 2268 kg (3,500 ft lbs.)  
 \*\*\* 35' or less per spec book



STEEL POLE FOUNDATION



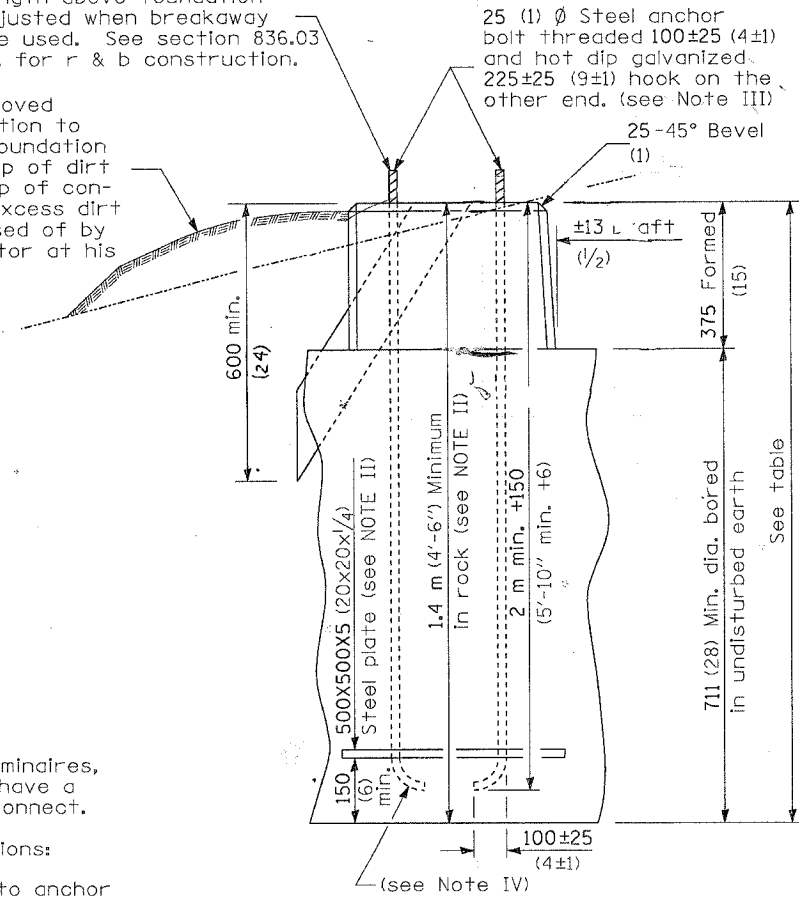
See section 836.03  
 4" total per AASHTO  
 fdn, anchor bolt, & fractured coupling or Δ base.

POLE BASE MOUNTING & WIRING

Anchor rod shall extend through nut 10 to 25 (3/8 to 1). Use self-locking nut and flat washer. Do not use lockwasher. Length above foundation shall be adjusted when breakaway devices are used. See section 836.03 of the S.S. for r & b construction.

Use dirt removed from foundation to fill around foundation top. Make top of dirt level with top of concrete. Any excess dirt will be disposed of by the contractor at his expense.

25 (1) Ø Steel anchor bolt threaded 100±25 (4±1) and hot dip galvanized. 225±25 (9±1) hook on the other end. (see Note III)



NOTE: On poles with two luminaires, each luminaire shall have a separate fused disconnect.

Installation instructions:  
 Screw couplings on to anchor bolts to end of threads, level couplings, very important, as couplings will become overstressed and either crack or strip threads inside coupling.

No rebar shown  
 See Sec 836 of spec & std drawing 838001- Traffic Signal

GENERAL NOTES

After pouring concrete, the form shall remain undisturbed overnight.

The top 375 mm (15") only shall be formed. Concrete bounded by undisturbed earth only shall fill the remainder of the hole.

- I Minimum clearance from the outside edge of foundation to any part of the pole baseplate shall be 50 mm (2").
- II The depth of the foundation may be reduced 150 mm (6") for every 300 mm (12") of rock encountered with a minimum depth of 1.4 m (4'-6"). When the depth of the foundation is decreased to less than 1.8 m (6') the anchor bolts shall be cut, threaded, and a steel plate 500 mm x 500 mm x 5 mm (20"x20"x1/4") shall be installed on the anchor bolts 150 mm (6") above the bottom of the excavation. The cost shall be incidental the foundation.
- III On parapet walls use 30 mm (1 1/4) Ø anchor bolts. Use self-locking nut and flat washer. Do not use lockwasher. (For details see Standard III/2.35 of Bridge Design Manual.
- IV Bend radius shall be four times bolt diameter.
- V Connect ground wires to pole base ground lug, not anchor bolts or transformer base.
- VI Low mount pole foundation setback:

For horizontal mounted luminaires, setback shall be a minimum of 6.1 m (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

LIGHT POLE FOUNDATION

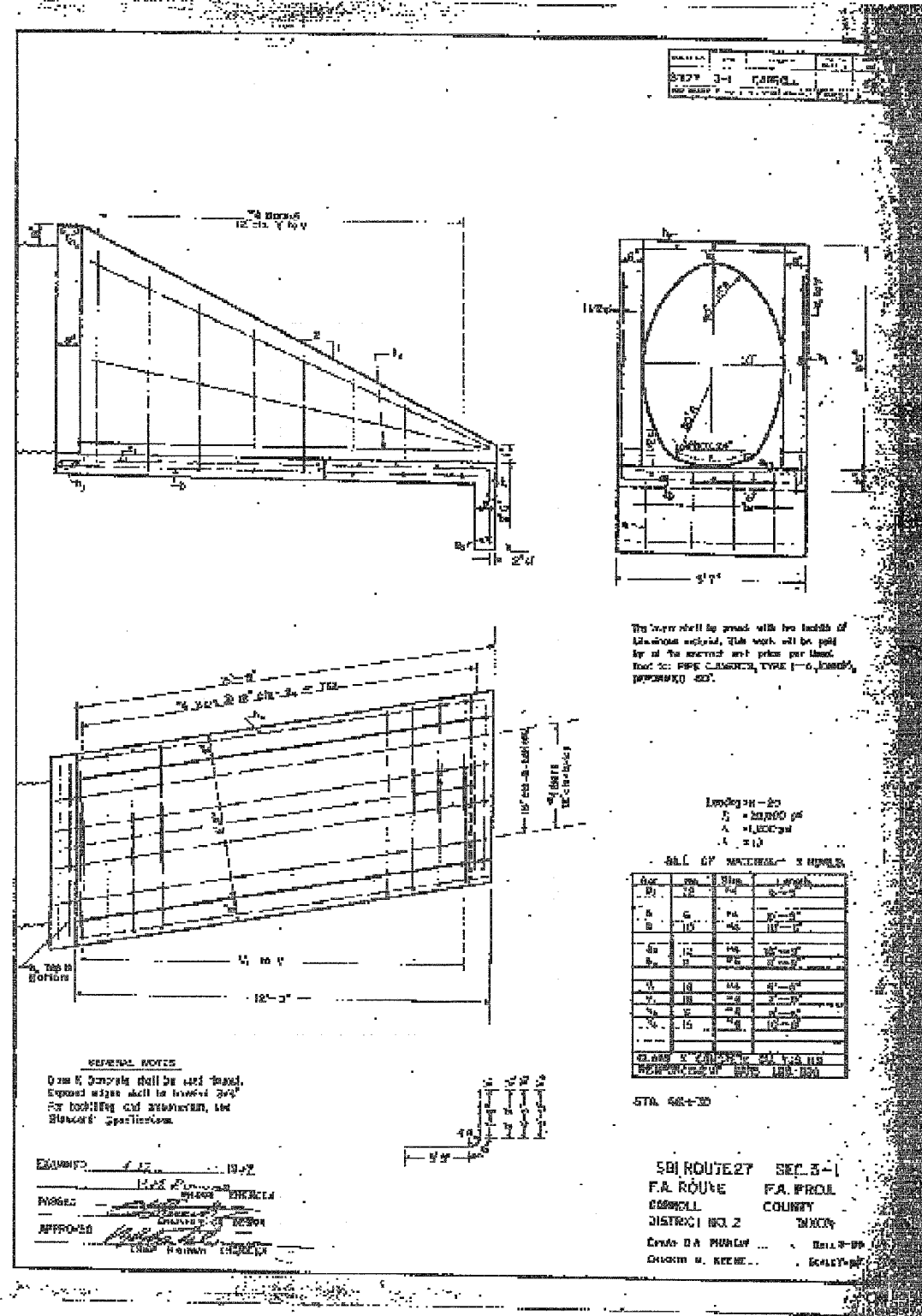
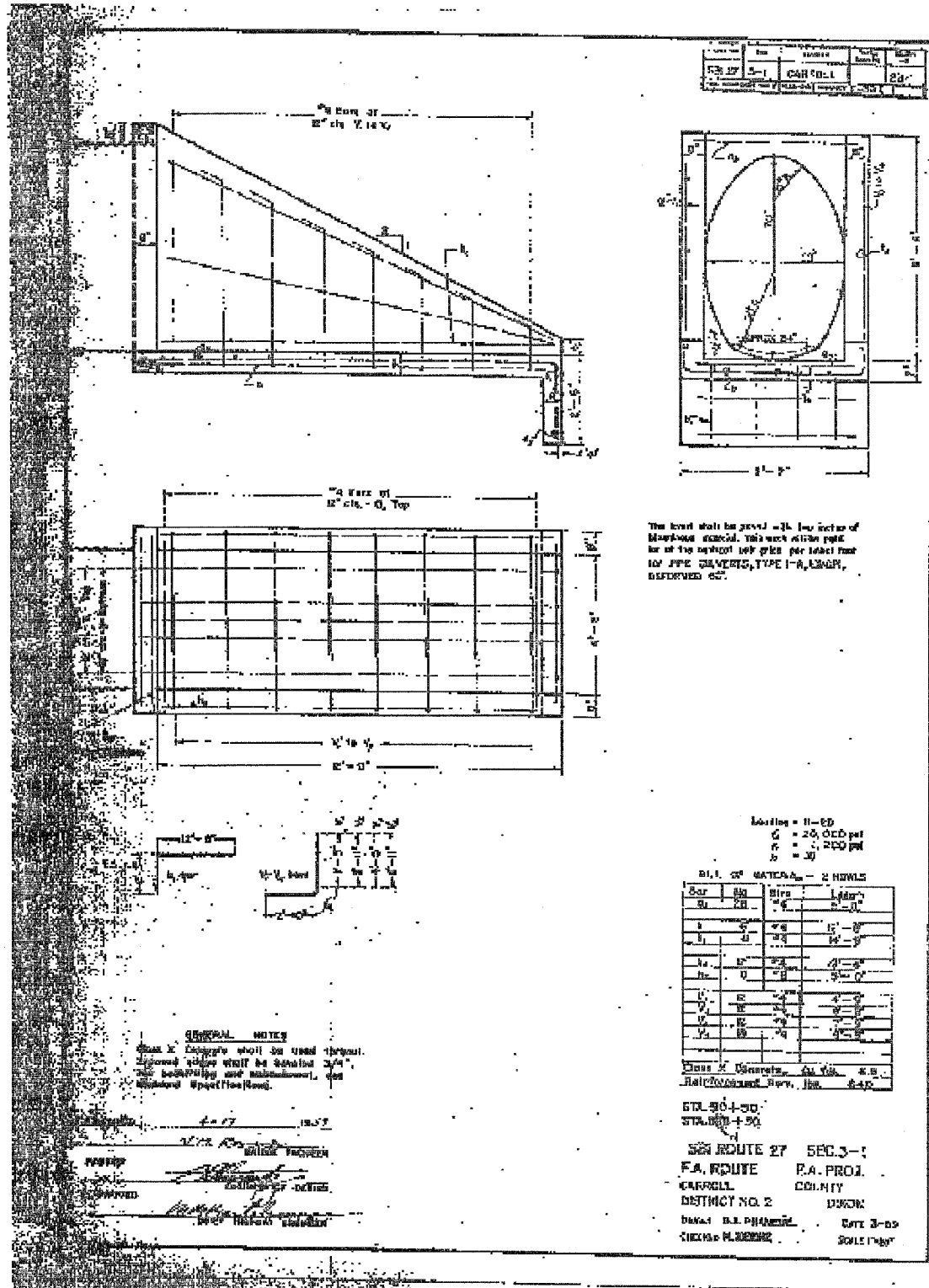


# STORM SEWERS, TYPE 3, REINFORCED CONCRETE ELLIPTICAL PIPE, SPAN 53, RISE 34 EXISTING PIPE

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	220
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

• ROUTE 17 (US 52 / IL 64)  
•• (1,2)RS & (3,1)RS-1



PLOT DATE = Fri, Mar 23, 1989, 09:27  
 FILE NAME = S:\V\p\m\11\207\68\3-89\11801.dgn  
 PLOT SCALE = 50.0000 / 1"  
 USER NAME = hankok

# INLET EXISTING

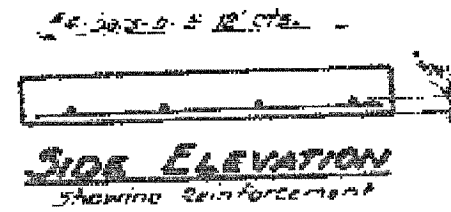
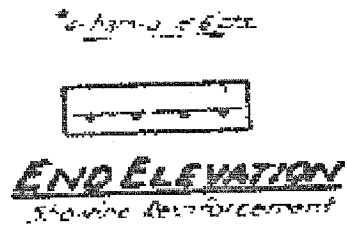
CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	221

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

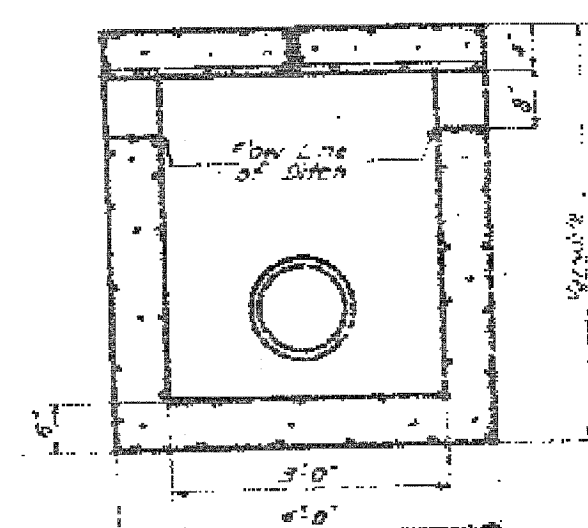
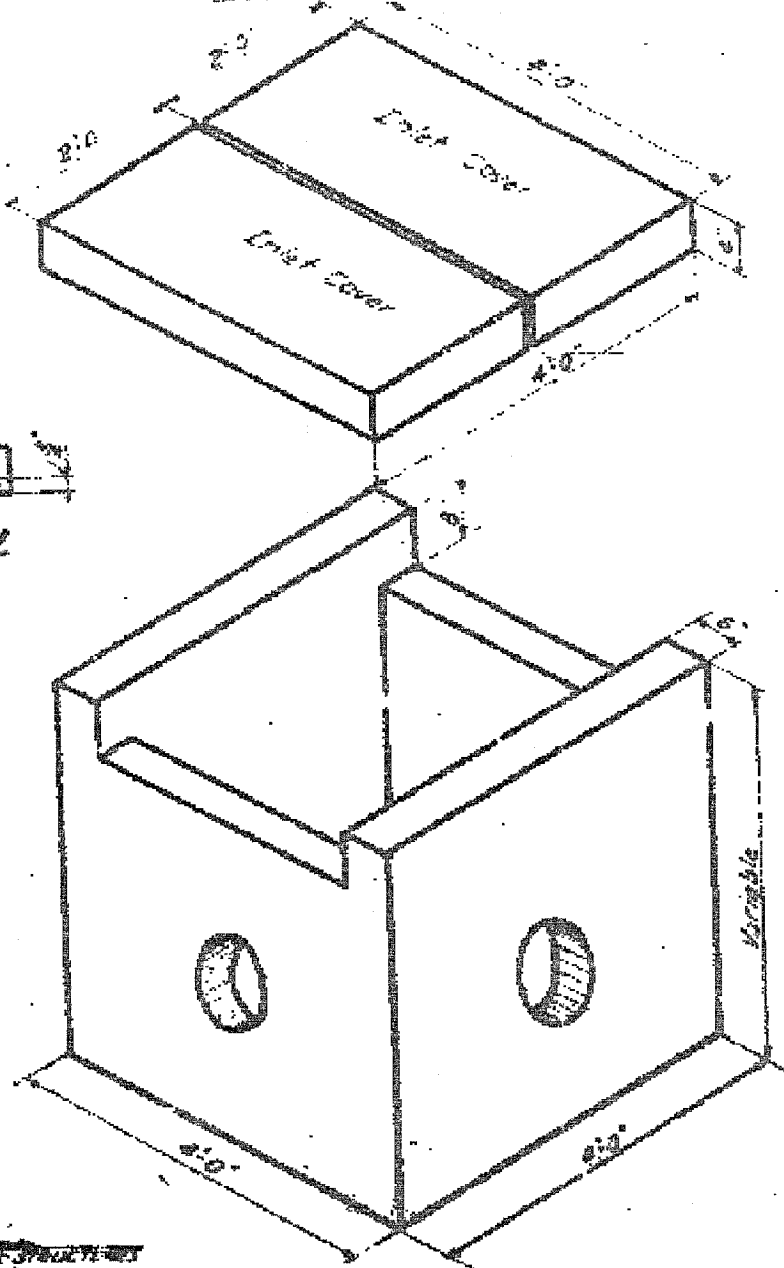
- ROUTE 17 (US 52 / IL 64)
- \*\* (1,2)RS & (3,1)RS-1

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS



**BILL OF MATERIAL**

Bars	No.	Size	Length
4	8	4	3'-9"
6	8	6	11'-9"
Reinforcement Bars - Lbs. 30			



**SECTION**  
Class-X Concrete shall be used throughout

EXAMINED OCT. 5, 1969  
ENGINEER IN CHARGE  
PASSED [Signature]  
ENGINEER IN CHARGE  
H. Miller Sign. Rev. Nov. 58

**INLET**  
**STANDARD 1250R**

PLOT DATE \* Fri, Mar 23, 11:05:06, 2007  
FILE NAME \* c:\puro\puro\2007\1007\1007\1007.dgn  
PLOT SCALE \* 56.8888888888889 / IN.  
USER NAME \* hansenk

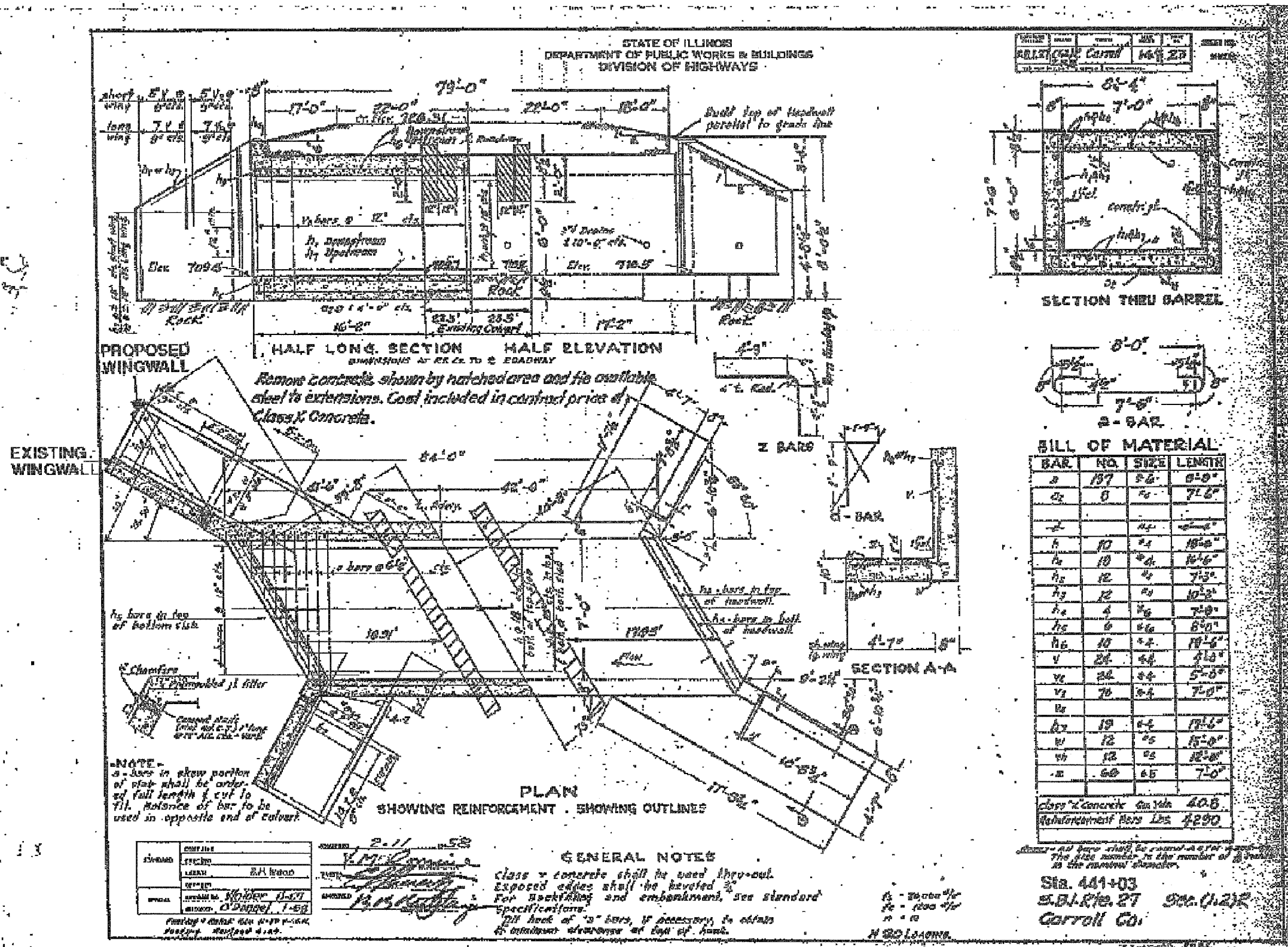
# WINGWALL AS BUILT PLANS

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	222

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

• ROUTE 17 (US 52 / IL 64)  
•• (1,2)RS & (3,1)RS-1



PROPOSED WINGWALL

EXISTING WINGWALL

HALF LONG SECTION HALF ELEVATION  
DIMENSIONS AT RR CL TO & ROADWAY

Remove concrete shown by hatched area and fill suitable steel to extensions. Cost included in contract price of Class K Concrete.

PLAN  
SHOWING REINFORCEMENT - SHOWING OUTLINES

SECTION THRU BARREL

BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH
a	137	5/8"	8'-0"
a <sub>2</sub>	0	5/8"	7'-6"
b	10	3/4"	16'-0"
b <sub>2</sub>	10	3/4"	16'-6"
b <sub>3</sub>	12	3/4"	7'-3"
b <sub>4</sub>	12	3/4"	10'-2"
b <sub>5</sub>	4	3/4"	7'-0"
b <sub>6</sub>	6	3/4"	8'-0"
b <sub>7</sub>	10	3/4"	19'-6"
c	24	3/4"	4'-8"
c <sub>2</sub>	24	3/4"	5'-8"
c <sub>3</sub>	70	3/4"	7'-0"
d	19	3/4"	17'-6"
d <sub>2</sub>	12	3/4"	15'-0"
d <sub>3</sub>	12	3/4"	12'-0"
e	60	3/4"	7'-0"

Class K Concrete per spec 40-B  
Reinforcement Bars per spec 42-B

GENERAL NOTES

Class K concrete shall be used thru-out.  
Exposed edges shall be beveled.  
For backfills and embankments, see standard specifications.  
All back of "a" bars, if necessary, to obtain minimum clearance at top of form.

DESIGNED	DATE
CHECKED	BY
APPROVED	BY

2-11-58  
V.M. [Signature]  
[Signature]  
[Signature]

Sta. 441+03  
S.B.L. Rte. 27 Sm. (1,2)R  
Carroll Co.

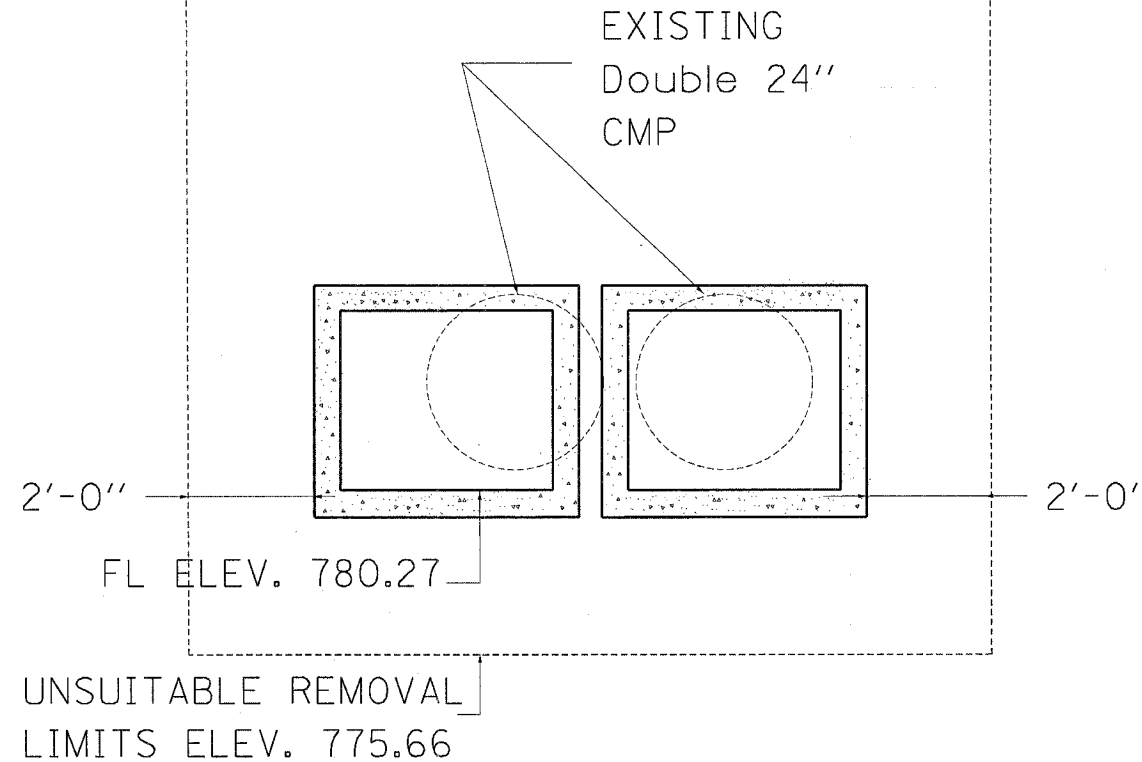
PLOT DATE: Feb. 23, 1958  
FILE NO.: 64560-222  
USER NAME: [Name]

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	223
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* ROUTE 17 (US 52 / IL 64)		** (1,2)RS & (3,1)RS-1		

# BRACED EXCAVATION

GROUND SURFACE/  
TOP OF SHEET PILING

ELEV. 787.36



## GENERAL NOTES

**THIS WORK SHALL BE COMPLETED ACCORDING TO APPLICABLE PORTION OF ARTICLE 502 OF THE STANDARD SPECIFICATIONS**

**BRACE EXCAVATION QUANTITY OF 376 CU YD WAS ESTIMATED BASE ON AVAILABLE BORING LOGS. FIELD THE CONTRACTOR SHALL VERIFY LIMITS OF UNSUITABLE REMOVAL.**

**QUARRY RUN GRANULAR EMBANKMENT SHALL BE USED TO REPLACE THE UNSUITABLE MATERIAL REMOVED.**

**ALL WORK AND MATERIAL INCORPORATED INTO THE DESIGN OF THE SYSTEM, INSTALLATION AND REMOVAL OF THE SYSTEM. WILL BE PAID FOR PER CU YD FOR BRACED EXCAVATION.**

**QUARRY RUN GRANULAR EMBANKMENT WILL BE PAID FOR SEPARATELY.**

## SECTION SHOWING BRACED EXCAVATION LIMITS AT CULVERT STATION 532 + 57.76

(DIMENSIONS SHOWN PERPENDICULAR TO BOX)

BRACED EXCAVATION = 376 CU YD

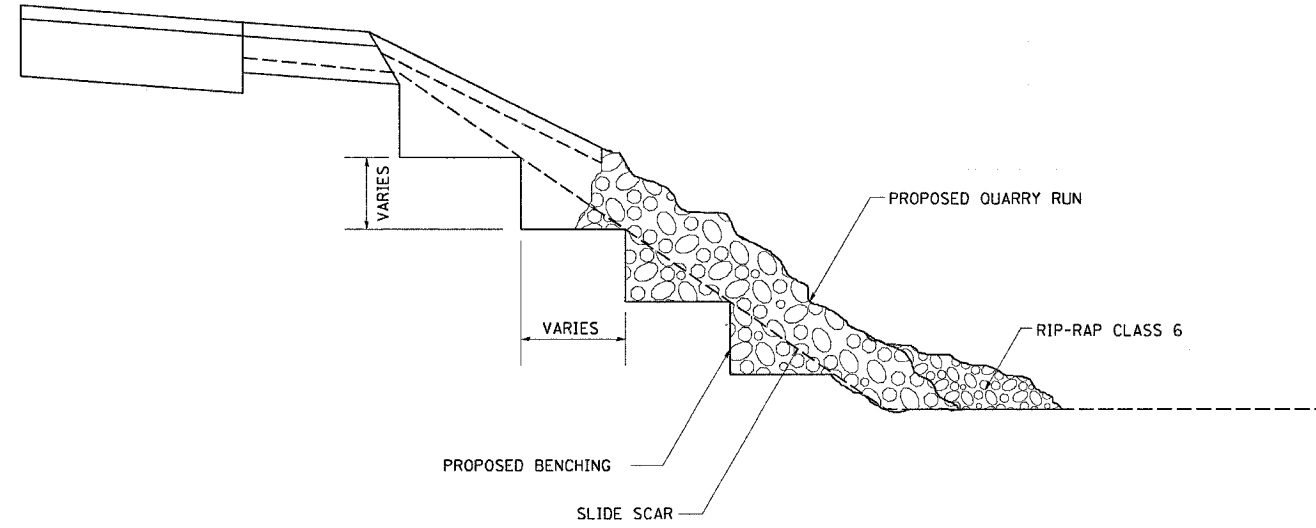
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		BRACED EXCAVATION LIMITS
SCALE: NTS	DRAWN BY: DF	BRACED EXCAVATION
DATE:	CHECKED BY: CB	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	224

STA.	TO STA.

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
• ROUTE 17 (US 52 / IL 64)  
\*\* (1,2)RS & (3,1)RS-1

# BENCHING ON EXISTING EMBANKMENT



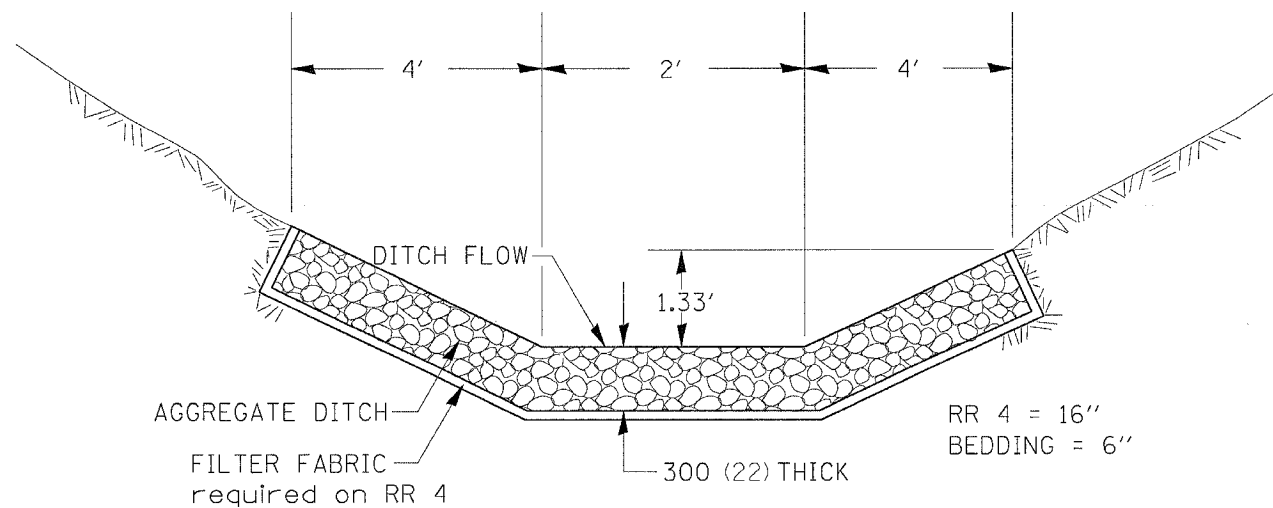
(QUARRY RUN) STA. 441+56 TO STA. 441+95  
(RIP-RAP CLA 6) STA. 441+20 LT TO 441+95 LT

PLOT DATE = Fri, Mar 23 11:09:05 2007  
FILE NAME = I:\Projects\11207448\11207448.dgn  
PLOT SCALE = 50.0000' / IN.  
REFERENCE = #REF\*



# STONE LINED DITCH

CONTRACT NO. 64560				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	225
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• ROUTE 17 (US 52 / IL 64) ** (1,2)RS & (3,1)RS-1				



CLASS A4 WILL BE REQUIRED ON THIS PROJECT AT THE LOCATION SHOWN ON THE PLANS. THIS WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 283. STONE LINED DITCH WILL BE MEASURED FOR PAYMENT IN PLACE AND THE AREA COMPUTED IN SQUARE METERS (SQUARE YARD) OF ACTUAL SURFACE AREA. STONE LINED DITCH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE METER (SQUARE YARD) FOR STONE LINED DITCH, (22").

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

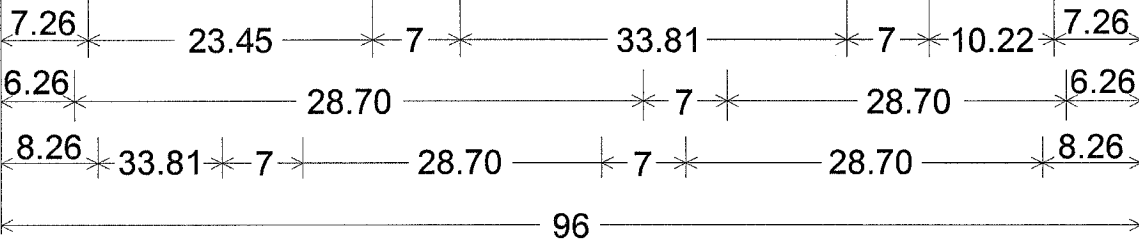
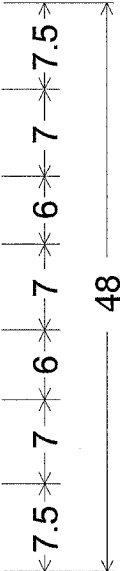
PLOT DATE = Fri, Mar 23 10:45:44 2007  
 FILE NAME = C:\pwork\2007\2007148\1087108pl.dgn  
 PLOT SCALE = 50.00000 1 / IN.  
 USER NAME = hansonka

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		VERT. SCALE:      DRAWN BY HORIZ.              CHECKED BY DATE

**STONE LINED DITCH**

# SIGN DETAIL SHEET

CONTRACT NO. 64560			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
*	**	CARROLL	548
SHEET NO.		226	
STA.		TO STA.	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			
* ROUTE 17 (US 52 / IL 64)			
** (1,2)RS & (3,1)RS-1			

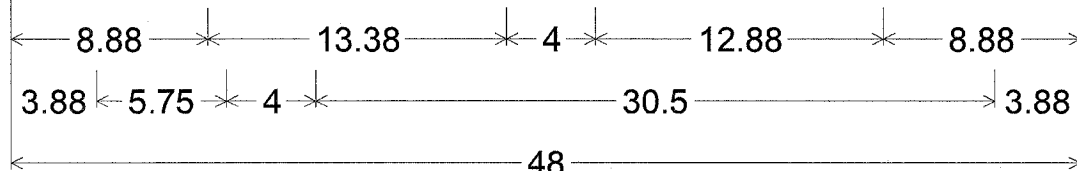
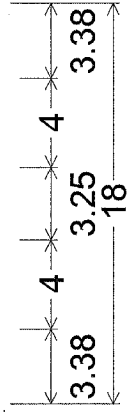


3.00" Radius, 1.25" Border, 0.75" Indent, Black on White;  
 "ROAD" D 2K; "CLOSED" D 2K; "TO" D 2K;  
 "OVERSIZED LOADS" D 2K; "XX MILES AHEAD" D 2K;  
 Table of letter and object lefts.

R	O	A	D	C	L	O	S	E	D	T	O
7.26	13.07	18.95	25.95	37.71	44.01	49.26	55.28	61.23	66.76	78.52	83.77

O	V	E	R	S	I	Z	E	D	L	O	A	D	S
6.28	12.16	18.53	24.06	29.52	35.47	37.78	43.73	49.26	61.02	66.27	72.15	79.15	84.96

X	X	M	I	L	E	S	A	H	E	A	D
8.27	13.73	25.49	32.63	35.43	40.82	45.86	57.62	64.62	71.06	75.96	82.96



1.50" Radius, 0.63" Border, 0.38" Indent, Black on Orange;  
 [ROAD OPEN] D 2K; [TO BUSINESSES] D 2K;  
 Table of letter and object lefts.

R	O	A	D	O	P	E	N
8.88	12.13	15.50	19.50	26.25	30.00	33.25	36.50

T	O
3.88	6.88

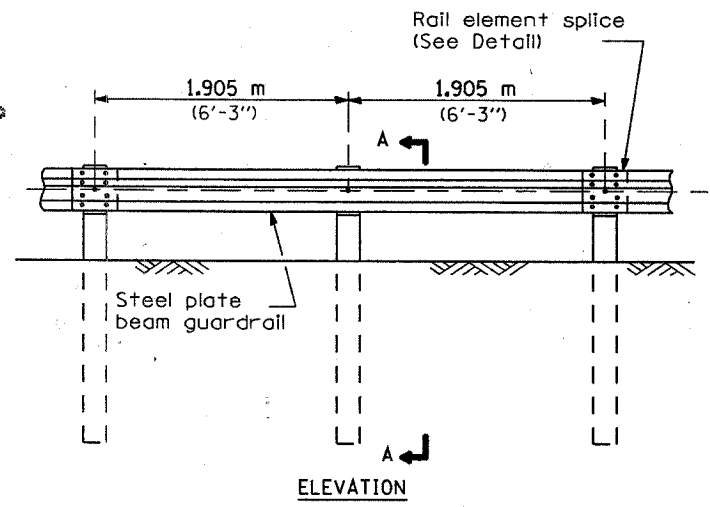
B	U	S	I	N	E	S	S	E	S
13.63	17.13	20.50	23.88	25.50	29.13	32.00	35.13	38.50	41.50

PLOT DATE = Fri Mar 23 10:45:44 2007  
 PLOT SCALE = 50.0000  
 USER NAME = hnsnake

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCALE: VERT. _____ HORIZ. _____ DATE _____

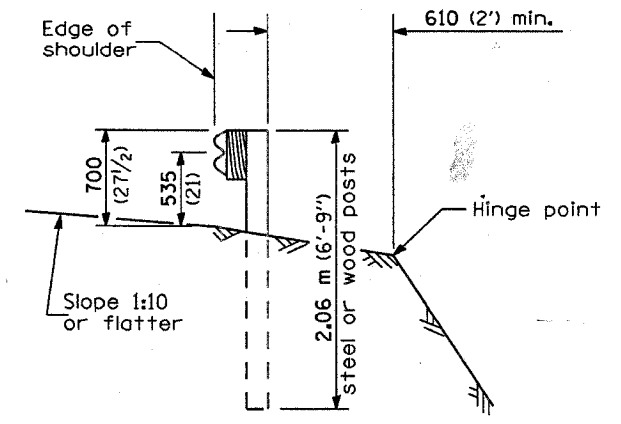


CONTRACT # 64560			
F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEET NO.
	(42)RS(2)RS-1	CARROLL	221A
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

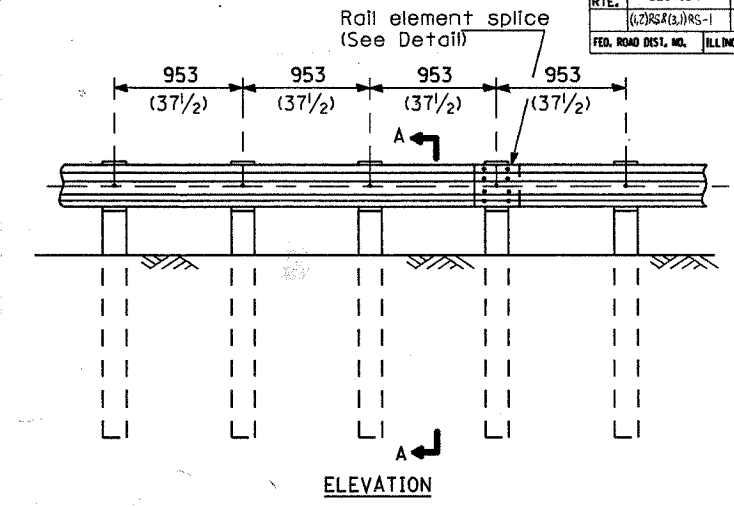


**TYPE A**

1.905 m (6'-3") Typical post spacing

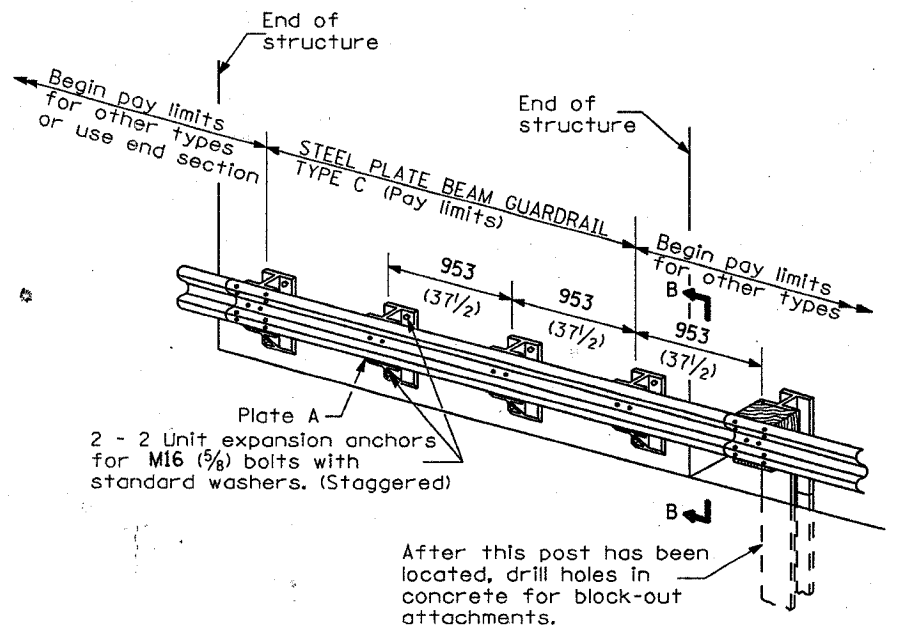


**SECTION A-A**



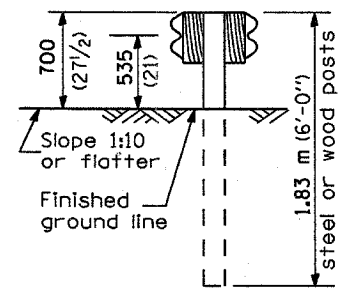
**TYPE B**

953 (37 1/2) Closed post spacing

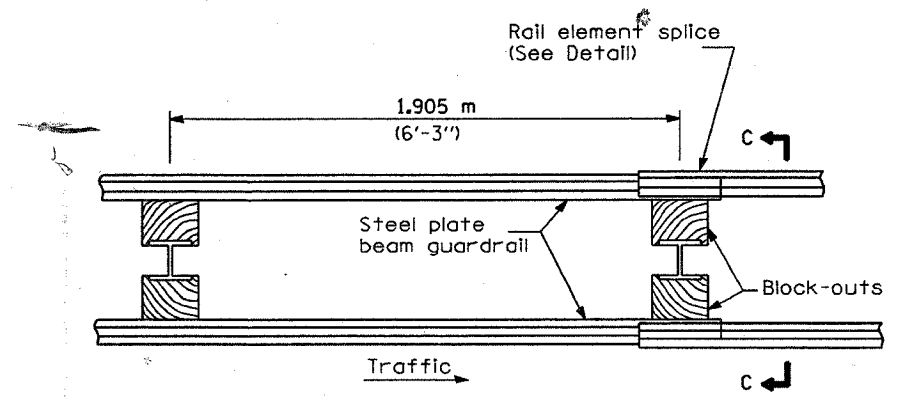


**TYPE C**

953 (37 1/2) Block-out spacing

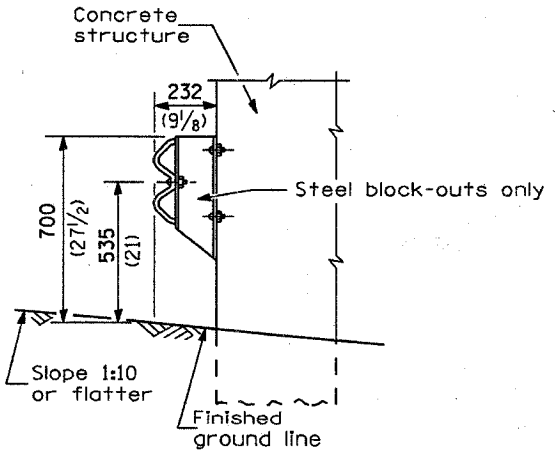


**SECTION C-C**



**TYPE D**

Double steel plate beam guardrail  
1.905 m (6'-3") typical post spacing



**SECTION B-B**

**GENERAL NOTES**

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

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

The existing steel posts may be drilled to match the bolt pattern shown herein for the wood block-out, or a new steel post shall be provided.

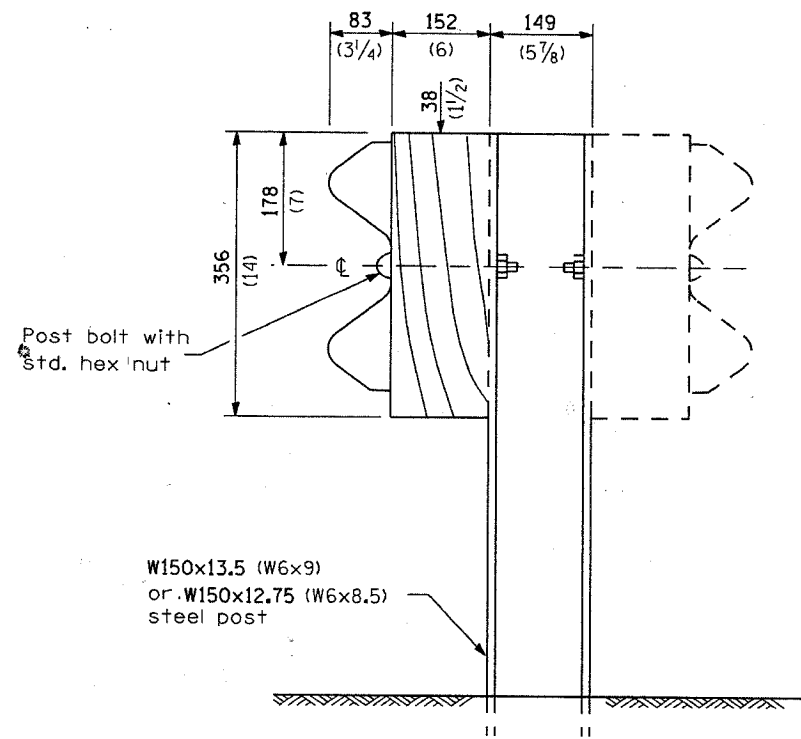
This detail is applicable to the guardrail system used prior to January 1, 2007. For details on the Midwest Guardrail System, see Standard 630001.

**REMOVE AND REERECT  
STEEL PLATE BEAM GUARDRAIL**  
(Sheet 1 of 4)

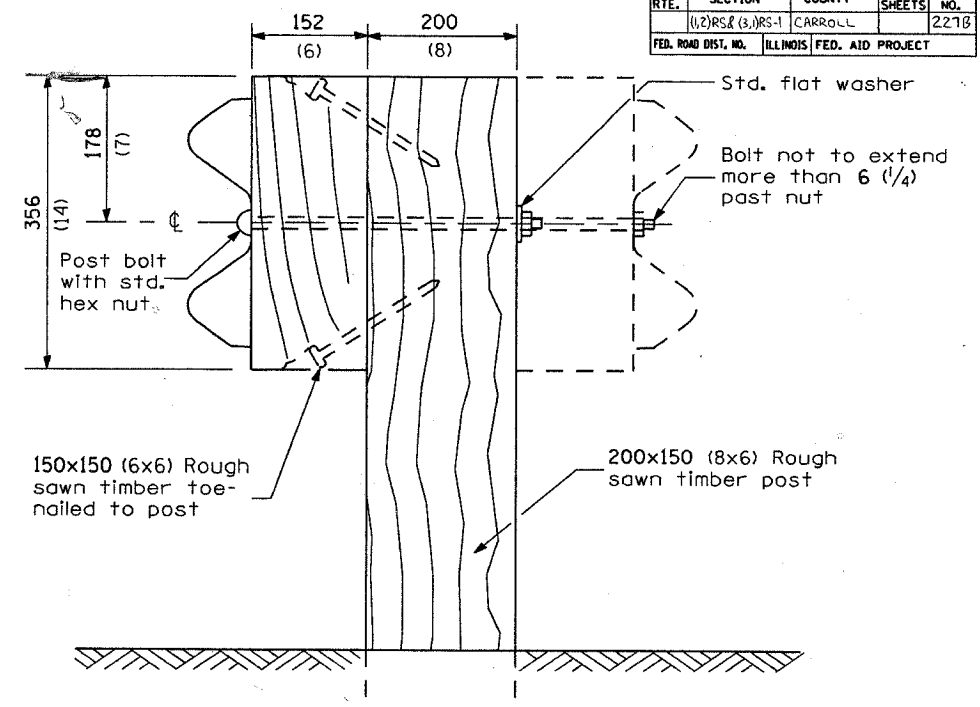
**DETAIL**

CONTRACT 64560

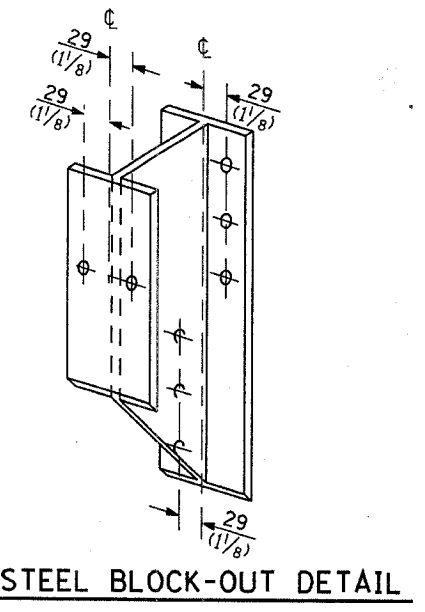
F.A. RYE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(2)RS&(3)RS-1	CARROLL		2218
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



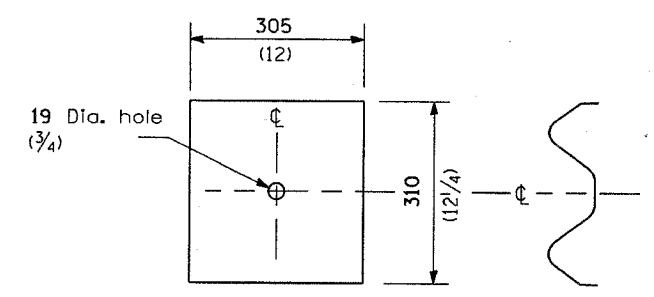
**STEEL POST CONSTRUCTION**



**WOOD POST CONSTRUCTION**

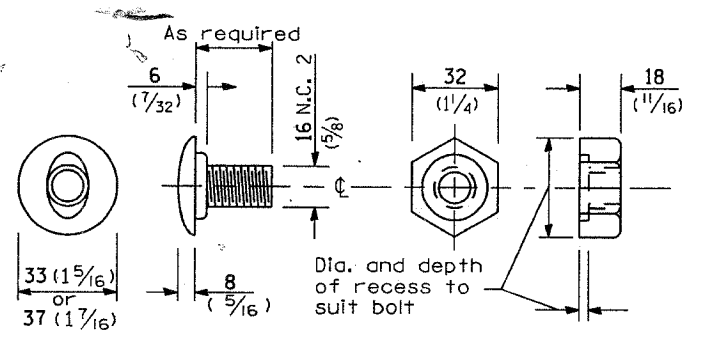


**STEEL BLOCK-OUT DETAIL**



**NOTE**  
 Plate A shall be placed between rail element and block-out at non-splice mounting points only when steel block-outs are used.

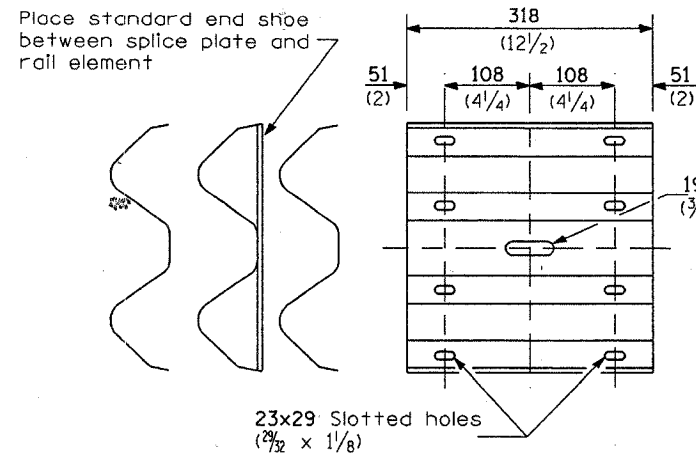
**PLATE A**



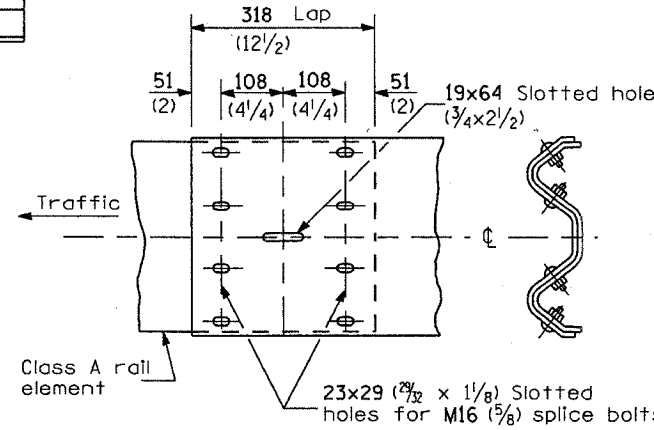
**POST OR SPLICE BOLT & NUT**

**REMOVE AND REERECT  
 STEEL PLATE BEAM GUARDRAIL**  
 (Sheet 2 of 4)  
**DETAIL**

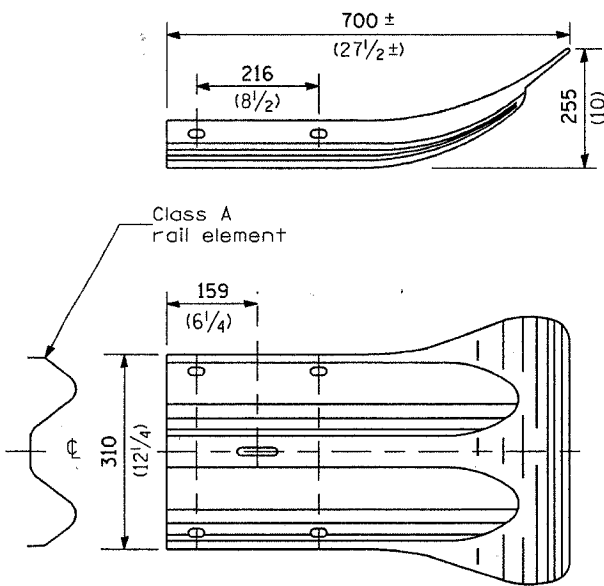
FED. AID DIST. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(2)RS(3)RS-1	CARROLL		227C
		ILLINOIS		FED. AID PROJECT



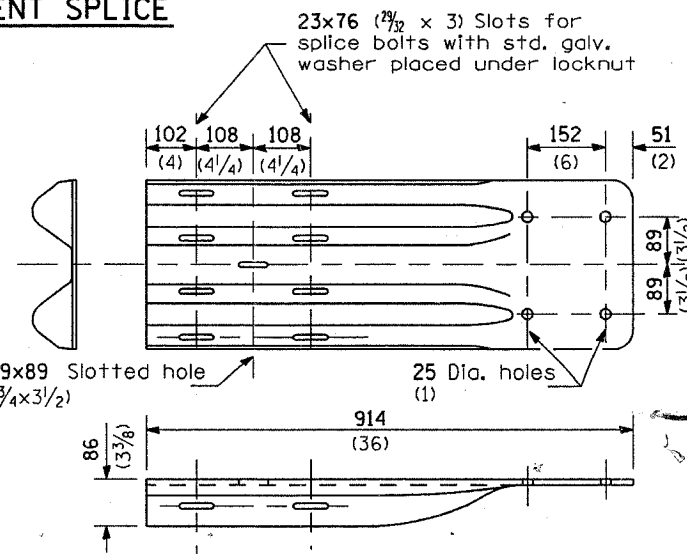
**SPLICE PLATE**



**RAIL ELEMENT SPLICE**

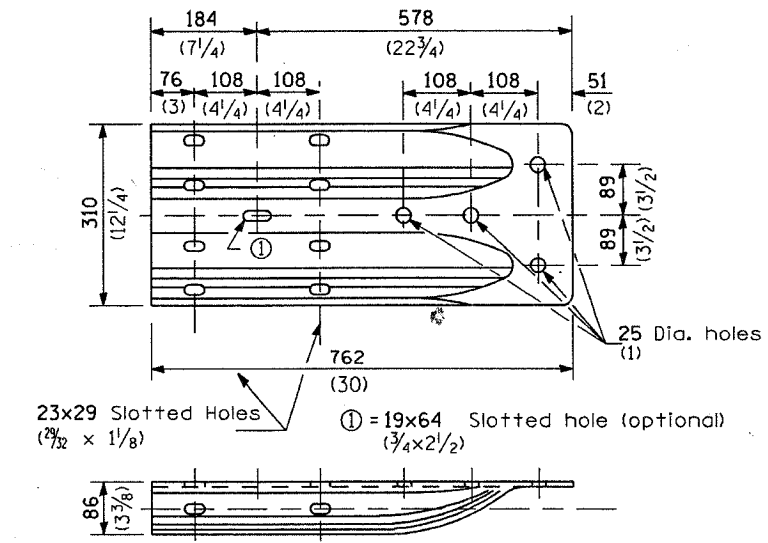


**END SECTION**



NOTE  
Anchor plate T shall be used to attach cable assembly to guardrail when required on traffic barrier terminals.

**ANCHOR PLATE T DETAILS**

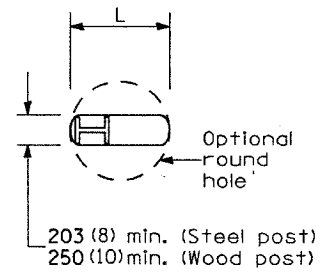


**ALTERNATE END SHOE**

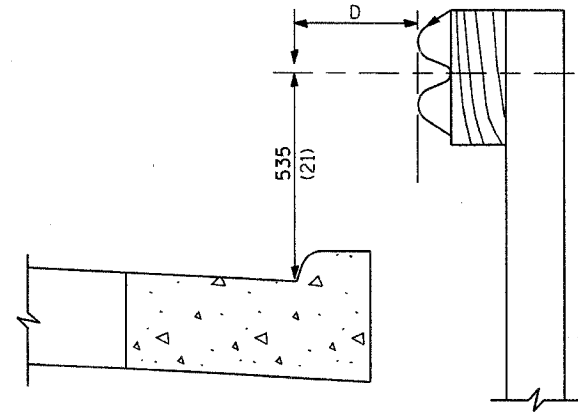
NOTE  
When end shoe is attached to a bridge parapet which has an expansion joint, the bolts shall be provided with a locknut or double nut and shall be tightened only to a point that will allow guardrail movement.  
The standard end shoe shall be attached to the concrete with pre-drilled or self-drilling anchor bolts. The anchor cone shall be set flush with the surface of the concrete.  
Externally threaded studs protruding from the surface of the concrete will not be permitted.

**END SHOE**

**REMOVE AND REERECT  
STEEL PLATE BEAM GUARDRAIL**  
(Sheet 3 of 4)  
**DETAIL**



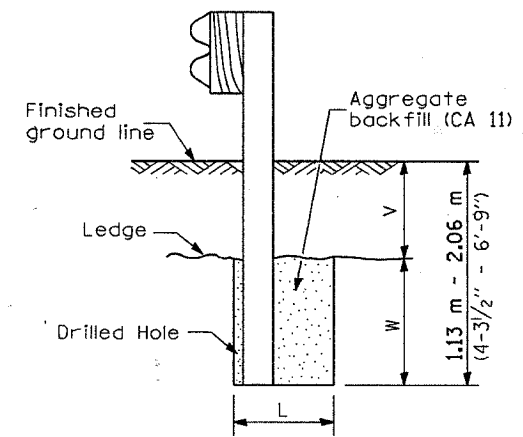
**PLAN**



Note:  
If it is necessary for D to be more than 300 (12) and less than 3.0 m (10'-0") type M-5 (M-2) curb and gutter (Std. 606001) shall be used in front of and in advance of the guardrail.

**GUARDRAIL PLACED BEHIND CURB**

(D = 0 desirable to 300 (12) maximum)

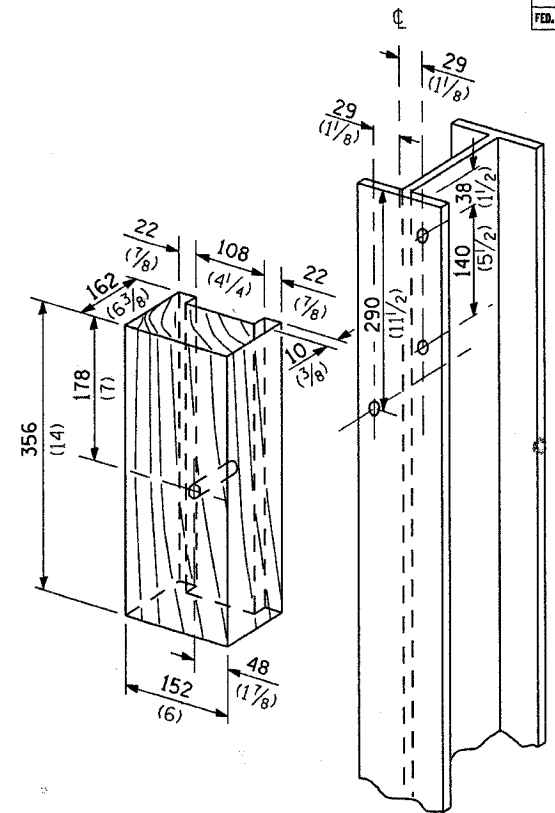


Note:  
Ledge line is top of rock ledge or hard slag fill.

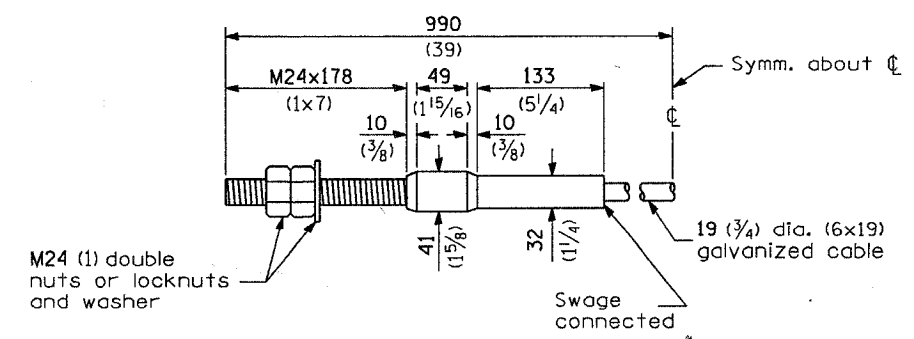
**ELEVATION**

**FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED**

V	W	L	
		Steel Post	Wood Post
0 - 460 (0 - 18)	610 (24)	530 (21)	580 (23)
>460 - 825 (>18 - 41.5)	305 (12)	203 (8)	250 (10)
>825 - 1.13 m (>41.5 - 53.5)	305 - 0 (12 - 0)	203 (8)	250 (10)



**WOOD BLOCK-OUT AND STEEL POST DETAILS**



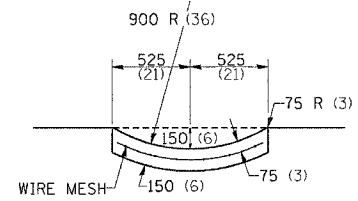
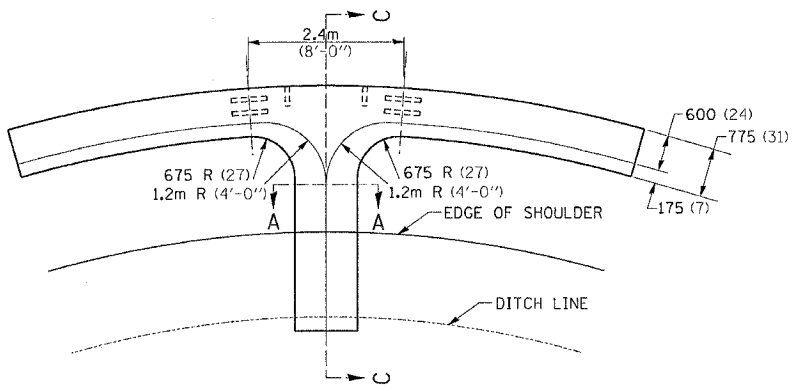
**CABLE ASSEMBLY**

(18,100 kg (40,000 lbs.) min. breaking strength)  
Tighten to taut tension.

**REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL**  
(Sheet 4 of 4)  
**DETAIL**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	228
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
		* ROUTE 17 (US 52 / IL 64)		
		** (1,2)RS & (3,1)RS-1		

# CURB AND GUTTER OUTLET, SPECIAL



QUANTITY OF CONCRETE  
SECTION A-A = 4.72m<sup>3</sup>/m (0.07 CU.YD./FT.)  
8' SECTION OF CURB & GUTTER UP TO SECTION A-A = 0.57 m<sup>3</sup> (0.75 CU.YD.)

SECTION A-A

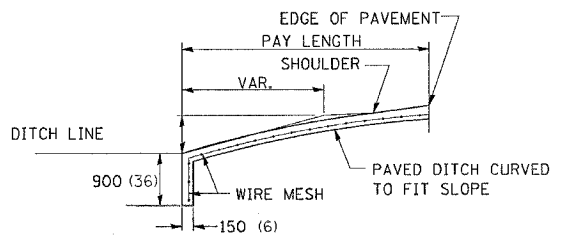
**NOTE:**

CLASS SI CONCRETE SHALL BE USED THROUGHOUT. CURB AND GUTTER OUTLET SHALL BE TIED TO PAVEMENT SLAB WITH 2 TIE BARS, 750(30) LONG - 750(30) CENTERS. OUTLET SHALL BE TIED TO CURB AND GUTTER AT CONTRACTION JOINTS AS SHOWN. GUTTER OUTLET AND PAVED DITCH SHALL BE REINFORCED WITH WIRE MESH HAVING A WEIGHT OF AT LEAST 2.83 Kg/m<sup>2</sup> (58 LBS/FT.<sup>2</sup>) COST TO BE INCLUDED IN THE UNIT PRICE PER (CUBIC METER) (CU.YD.) FOR CLASS SI CONCRETE (OUTLET).

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

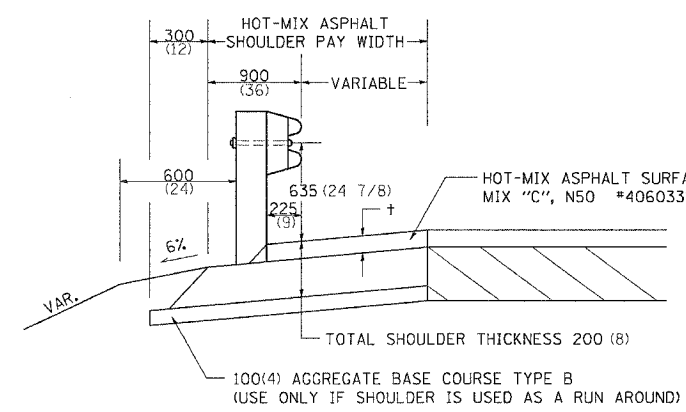
**CURB AND GUTTER OUTLET, SPECIAL 18.4**

REVISED 9-5-95



SECTION C-C

# DETAIL OF HOT-MIX ASPHALT SHOULDER AT GUARD RAIL



† = SEE TYPICAL SECTIONS FOR THICKNESS

**GENERAL NOTES**

THE TOP LIFT SHALL NOT BE PLACED BEHIND THE GUARDRAIL POSTS. WHEN PLACING THE TOP LIFT THE RAIL MUST BE REMOVED FROM THE POSTS. THE POST SHALL NOT BE REMOVED.

THE HEIGHT OF THE GUARD RAIL SHALL BE SET 525 (21) FROM THE FINISHED SURFACE.

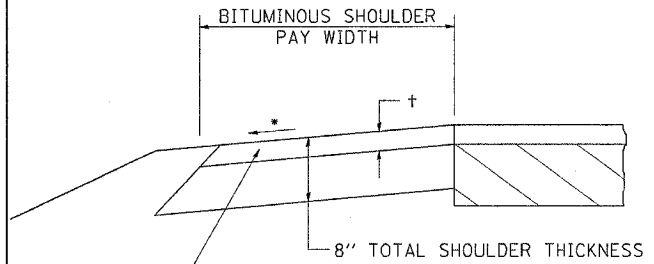
THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIXTURE C, N50. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIXTURE "C", N50 AND SQUARE METER (SQUARE YARD) FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED. THE REMOVAL & REINSTALLATION OF THE GUARDRAIL WILL BE INCLUDED IN THE COST OF THE HOT-MIX ASPHALT SURFACE COURSE, MIXTURE C, N50.

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

**DETAIL OF HOT-MIX ASPHALT SHOULDER AT GUARD RAIL 23.4**

REVISED 10-06-06

# BITUMINOUS SHOULDER



† = SEE TYPICAL SECTIONS FOR THICKNESS

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

**GENERAL NOTES**

THE BITUMINOUS SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIXTURE C, N50. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIXTURE C, N50, AND SQUARE YARD FOR BITUMINOUS SHOULDERS SUPERPAVE OF THE THICKNESS SPECIFIED.

USE BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIXTURE C, N50, WHEN RESURFACING EXISTING BITUMINOUS SHOULDERS. THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIXTURE C, N50.

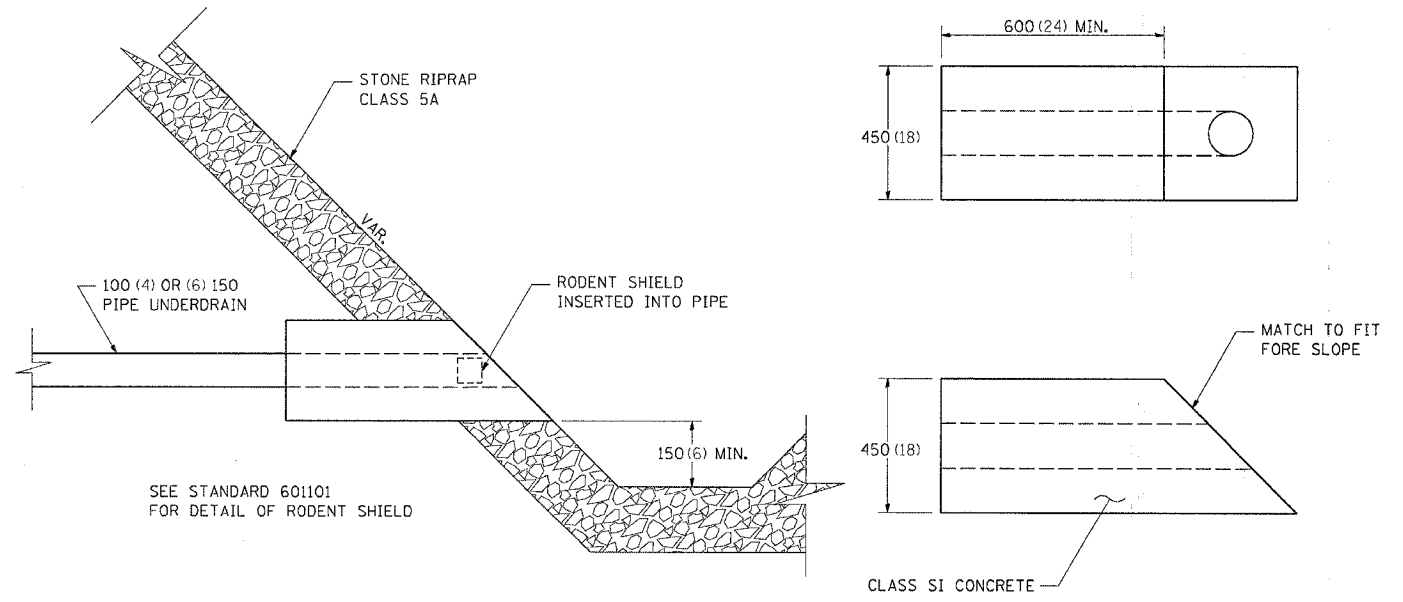
REMOVAL OF MATERIAL FOR PLACEMENT OF THE BITUMINOUS SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.

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

**BITUMINOUS SHOULDER 23.4a**

REVISED 5-30-03

# CONCRETE HEADWALLS FOR PIPE DRAINS



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

**CONCRETE HEADWALLS FOR PIPE DRAINS 27.4**

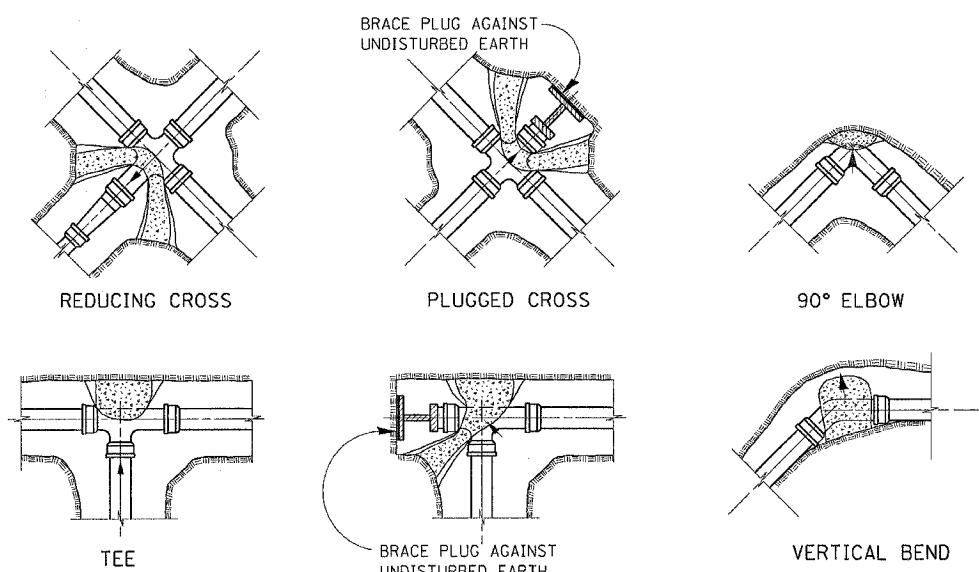
REVISED 10-15-04

PLOT DATE = F:\p\23 10\4510 2007  
 FILE NAME = 50-20200-1.dgn  
 PLOT SCALE = 50-20200-1.dgn  
 REFERENCE = #REF#



F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	229
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* ROUTE 17 (US 52 / IL 64)				
** (1,2)RS & (3,1)RS-1				

# THRUST BLOCK DETAILS



NOTES:  
 ALL BLOCKS TO BEAR AGAINST UNDISTURBED EARTH.  
 ARROWS INDICATE DIRECTION OF THRUST.  
 ALL BLOCKS TO BE CLASS SI CONCRETE.  
 ALL FITTINGS SHOWN IN PLAN EXCEPT VERTICAL BEND.

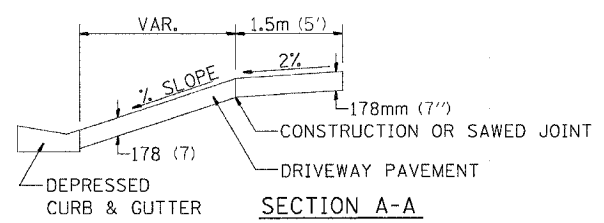
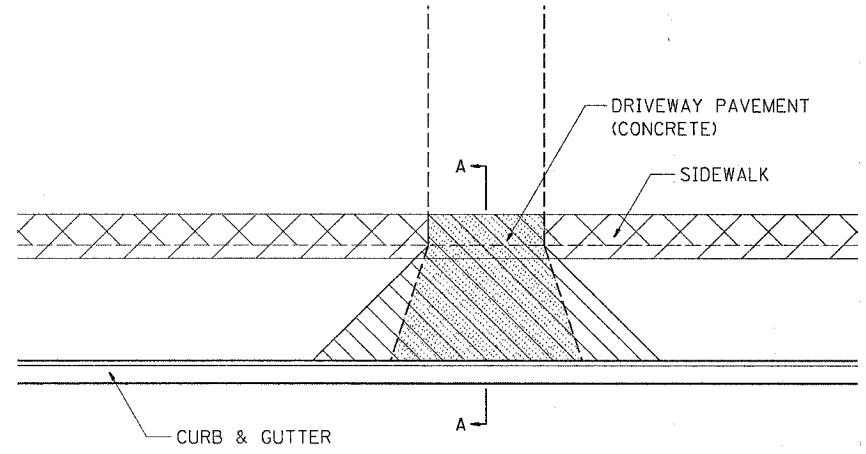
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

**THRUST BLOCK DETAILS 34.4**

REVISED 10-20-87

# SIDEWALK AND DRIVEWAY PAVEMENT PAY AREAS

- PAY FOR AS
- SIDEWALK REMOVAL
  - DRIVEWAY PAVEMENT REMOVAL
  - PCC SIDEWALK 127 (5)
  - PCC DRIVEWAY PAVEMENT 178 (7)



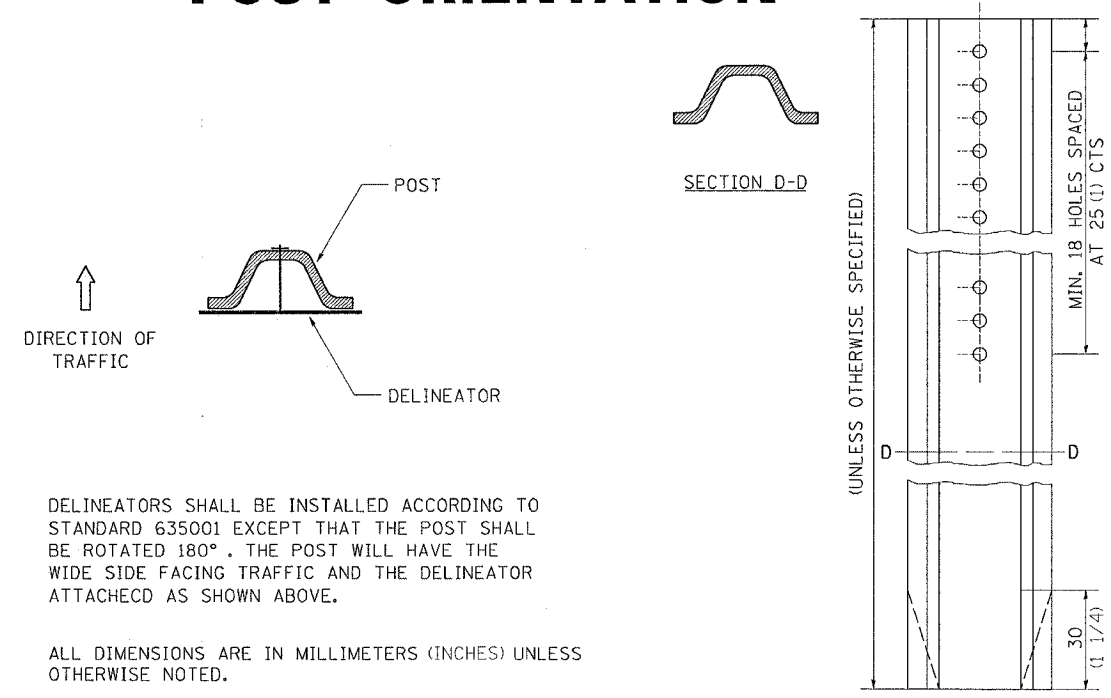
FOR DETAILS ON DIMENSIONS AND GRADES, SEE DISTRICT STANDARD 25.1 OR PLANS.

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

**SIDEWALK AND DRIVEWAY PAVEMENT PAY AREAS 35.4**

REVISED 10-15-04

# DELINEATOR AND POST ORIENTATION



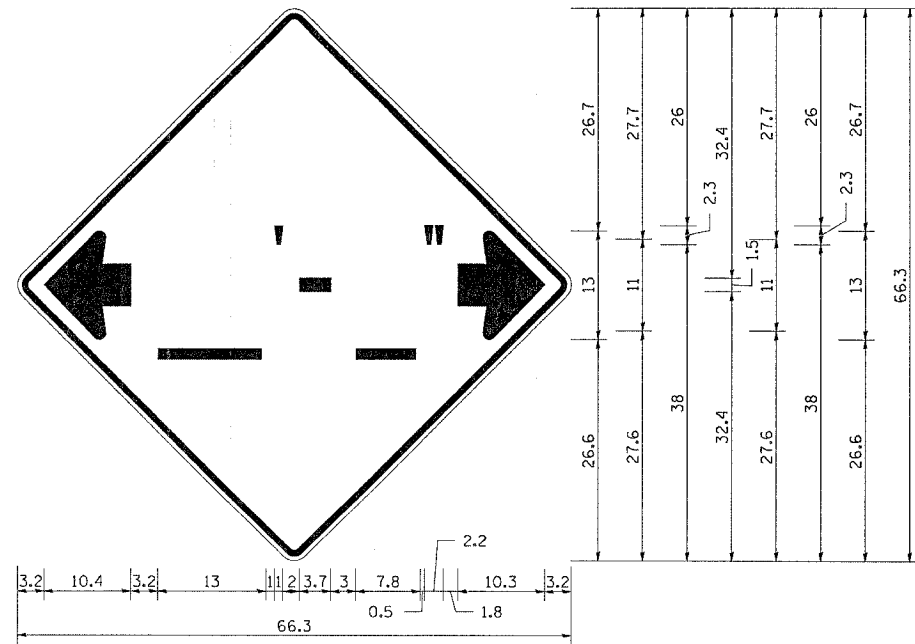
DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHED AS SHOWN ABOVE.

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

**DELINEATOR AND POST ORIENTATION 37.4**

REVISED 1-31-00

# INFORMATIONAL WARNING SIGN (FOR NARROW TRAVEL LANES)



NOTES  
 W12-2 - Horizontal Clearance Sign  
 48.0" across sides, 1.9" Radius,  
 0.8" Border, 0.5" Indent, Black on  
 Orange; Standard Arrow Custom  
 10.4" X 8.1" 180° Black 11 Inch  
 D Series Lettering; Standard Arrow  
 Custom 10.4" X 8.1" 0°

All work to furnish and install these signs shall be included in the cost of the Traffic Control Standards and shall not be paid for separately.

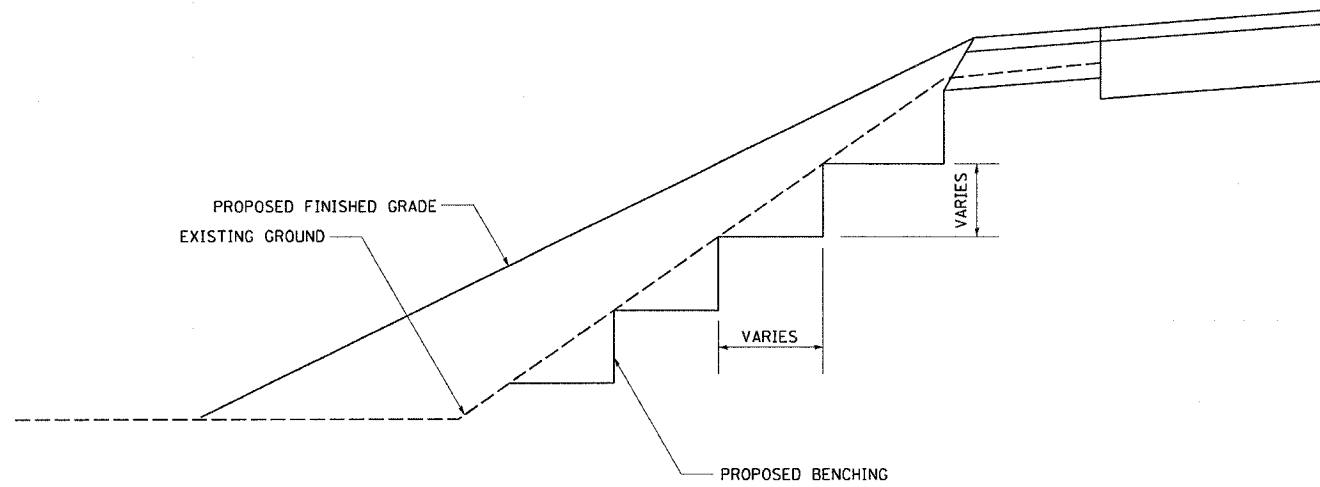
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

**INFORMATIONAL WARNING SIGN (FOR NARROW TRAVEL LANES) 39.4**

REVISED 6-29-05

PLOT DATE = Fri Mar 23 16:45:08 2007  
 FILE NAME = c:\p\james\207480\207480.dwg  
 PLOT SCALE = 1.0000  
 REFERENCE = REFES

# TYPICAL BENCHING ON EXISTING EMBANKMENT

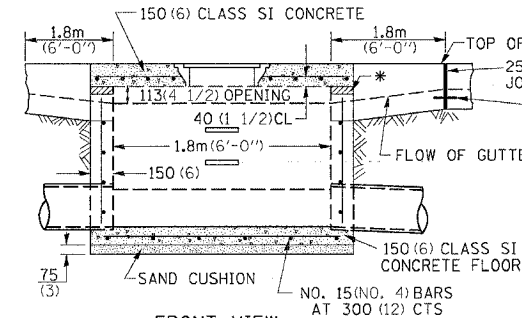


TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

REVISED 2-22-06

# INLET SPECIAL NO. 3

CONTRACT NO. 64560			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
*	**	CARROLL	548
STA.		TO STA.	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	



FRONT VIEW

SLOPE TOP SLAB TO MATCH FINAL CONDITIONS

STEPS AT 300(12) TO 400(16) CTS. \* 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.

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

### NOTES

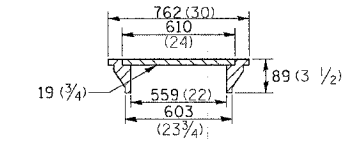
SEE STANDARD 602701 FOR DETAILS OF STEPS. 25 (1) PREFORMED EXPANSION JOINTS AS SHOWN SHALL BE PROVIDED ON EACH SIDE OF INLET. CLASS SI CONCRETE OR PRECAST CONCRETE SHALL BE USED THROUGHOUT. THE SIDE WALLS MAY BE BUILT AS PRECAST SEGMENTAL SECTIONS. REINFORCEMENT FOR INLET SPECIAL #3 SHALL BE ACCORDING TO DISTRICT STANDARD 79.4e

STEPS SHALL BE OMITTED WHEN DEPTH OF INLET IS LESS THAN 1.5 m (5 ft.) THE INLET SHALL BE CAST IN PLACE OR PRECAST. EXCEPT AS NOTED HEREON INLET SPECIAL NO. 3 SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS.

THE CONTRACT UNIT PRICE EACH FOR INLET SPECIAL NO. 3 SHALL INCLUDE THE COST OF FURNISHING AND INSTALLING THE FRAME, LID, REINFORCEMENT BARS, FLOOR AND TOP SLABS, CAST IRON STEPS (IF USED).

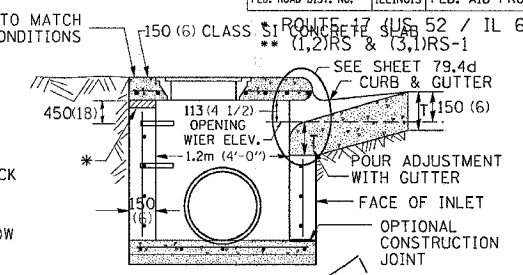
THE CURB AND GUTTER WILL BE PAID FOR SEPARATELY AND WILL BE MEASURED THROUGH THE INLET.

THE CURB AND GUTTER ADJACENT TO AND 1.8m (6 FT) ON EITHER SIDE OF THE INLET SHALL BE CONSTRUCTED AS SHOWN WITH NO ADDITIONAL COMPENSATION FOR THE TRANSITION.

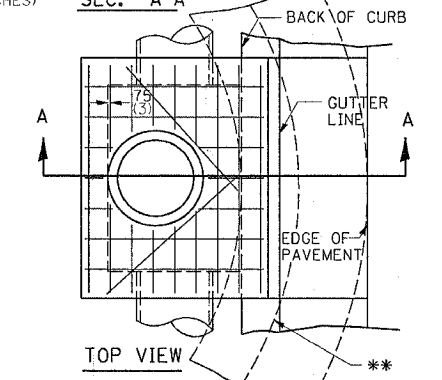


LIGHT WEIGHT MANHOLE CASTING

TOTAL WEIGHT 73 KG. (160 LBS.)



SEC. A-A



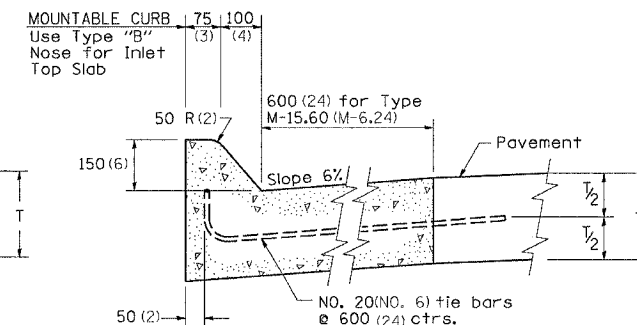
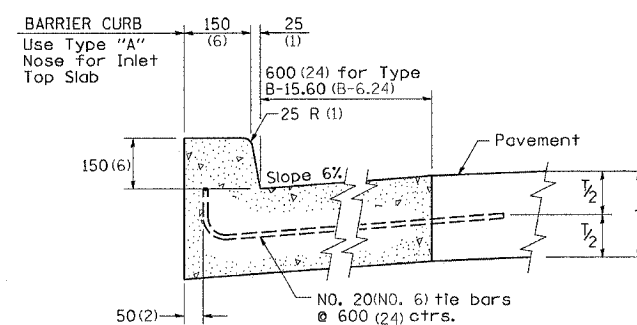
TOP VIEW

\*\* WHEN INLET IS CONSTRUCTED IN RETURN, THE TOP OF SLAB SHALL CONFORM TO THE RADIUS OF THE RETURN.

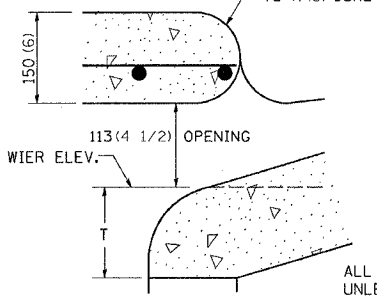
INLET SPECIAL NO. 3 79.4

REVISED 4-4-05

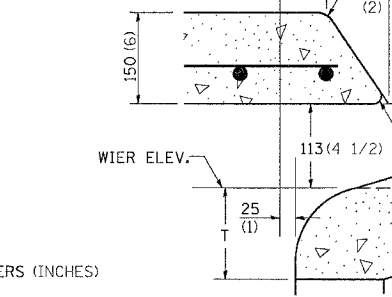
# NOSE TYPE FOR INLET TOP SLAB



TYPE "A"  
TO BE USED ON EXISTING OR PROPOSED 150(6) BARRIER CURB



TYPE "B"  
TO BE USED ON PROPOSED 150(6) MOUNTABLE CURB

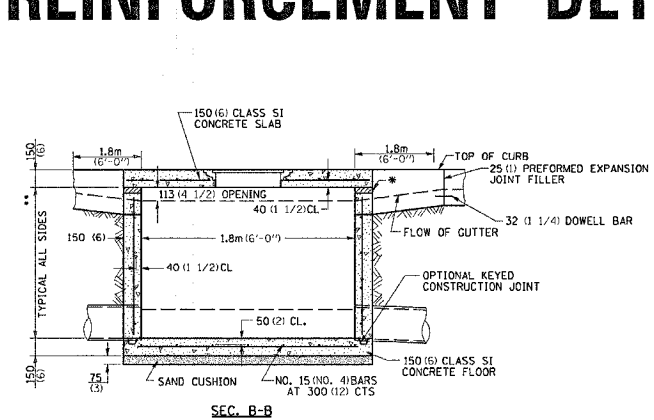


ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

NOSE TYPE FOR INLET TOP SLAB 79.4d

REVISED 2-14-95

# INLET SPECIAL NO. 3, 4, 5, 6 REINFORCEMENT DETAIL



SEC. B-B

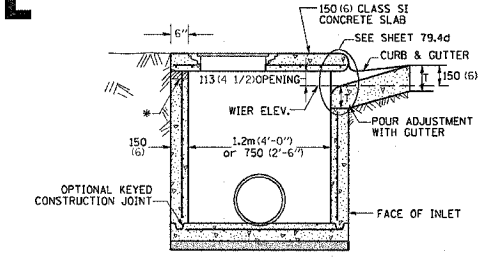
\* THE WALL ADJUSTMENTS SHALL BE MADE WITH CONCRETE BUILDING BRICK OR CLASS SI CONCRETE. THE HEIGHT OF THE BOX MAY BE CONSTRUCTED 150(6) SHORT TO ALLOW FOR FIELD ADJUSTMENTS.

\*\* 1.2m (4'-0") TO 2.4m (8'-0") - NO. 15 (NO. 5) REINF. BARS AT 300(12) CTS. E.W. 2.4m (8'-0") TO 4.0m (13'-0") - NO. 15 (NO. 5) REINF. BARS AT 250(10) CTS. E.W. 4.0m (13'-0") TO 4.6m (15'-0") - NO. 15 (NO. 5) REINF. BARS AT 200(8) CTS. E.W.

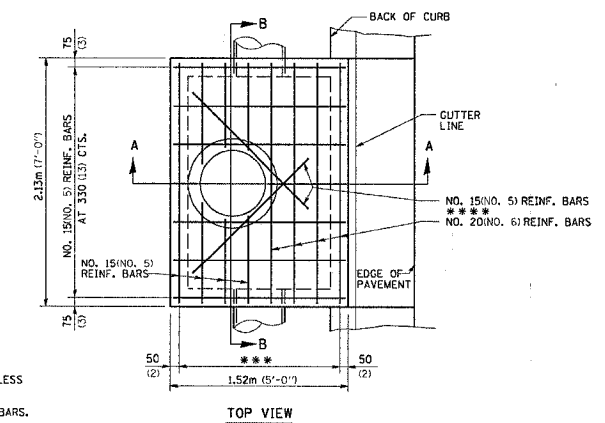
\*\*\* 7 SPA. AT 200 mm (8") INLET SPECIAL # 3, 4 5 SPA AT 208 mm (8 1/8") INLET SPECIAL # 5, 6

\*\*\*\* 2 REBARS FOR INLET SPECIAL 3 & 4 4 REBARS FOR INLET SPECIAL 5 & 6

NOTES  
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.  
TOP SLAB REINFORCEMENT TO BE EPOXY COATED BARS.



SEC. A-A



TOP VIEW

INLET SPECIAL NO. 3, 4, 5, 6 REINFORCEMENT DETAIL 79.4e

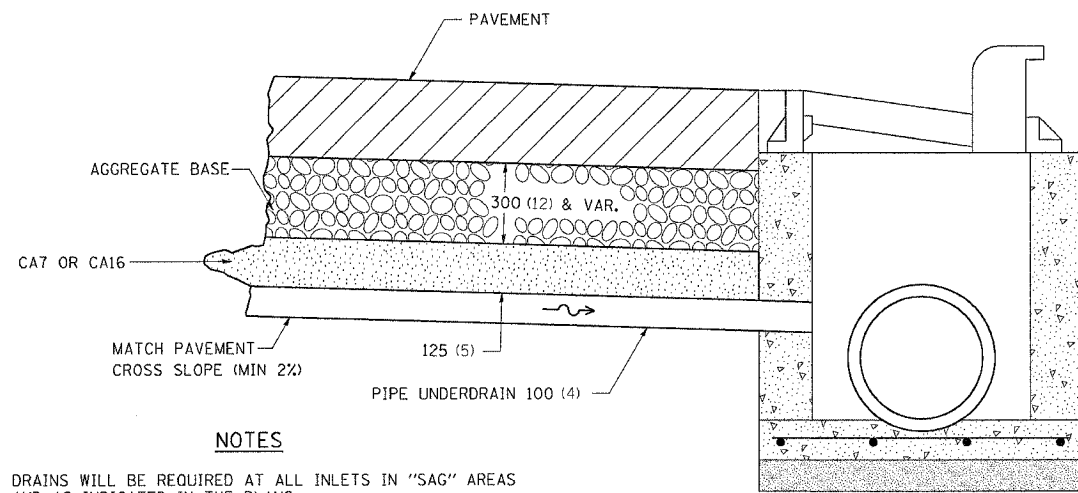
REVISED 4-4-05

PLOT DATE: 11/11/05  
 PLOT TIME: 11:11 AM  
 PLOT SCALE: 1/16" = 1'-0"  
 REFERENCE: 79.4d

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	231
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

- ROUTE 17 (US 52 / IL 64)
- (1,2)RS & (3,1)RS-1

# 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.

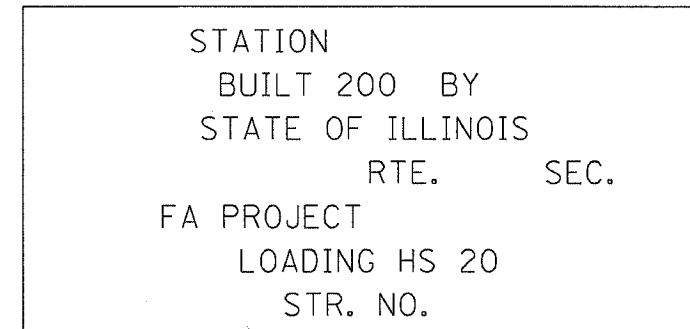
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER METER (FOOT) FOR PIPE UNDERDRAINS OF THE DIAMETER SPECIFIED WHICH PRICE SHALL INCLUDE THE CAT OR CA16 AND THE CONNECTION TO THE INLET.

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

## DRAIN FOR AGGREGATE BASES IN URBAN AREAS 88.4

REVISED 4-7-99

# LETTERING FOR NAME PLATE



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

## LETTERING FOR NAME PLATE 89.4

REVISED 10-15-04

# TREE REPLACEMENT SCHEDULE

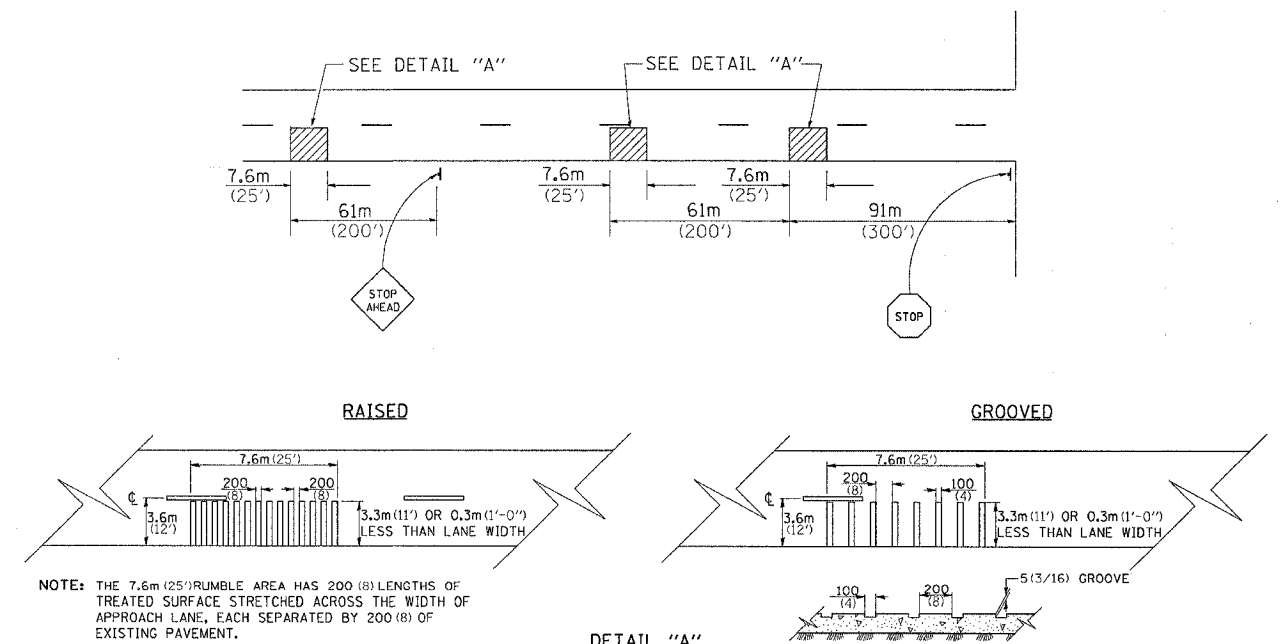
CODE NUMBER	SCIENTIFIC NAME	COMMON NAME	SIZE	UNIT	QUANTITY
A2001714	ACER SACCHARUM	SUGAR MAPLE	1-3/4" CALIPER, BALLED & BURLAPPED	EACH	40
A2002914	CELTIS OCCIDENTALIS	HACKBERRY	1-3/4" CALIPER, BALLED & BURLAPPED	EACH	40
A2006514	QUERCUS BICOLOR	SWAMP WHITE OAK	1-3/4" CALIPER, BALLED & BURLAPPED	EACH	40
A2006714	QUERCUS MACROCARPA	BUR OAK	1-3/4" CALIPER, BALLED & BURLAPPED	EACH	40
A2007114	QUERCUS RUBRA	RED OAK	1-3/4" CALIPER, BALLED & BURLAPPED	EACH	40
A2007814	TILIA AMERICANA	AMERICAN LINDEN/BASSWOOD	1-3/4" CALIPER, BALLED & BURLAPPED	EACH	40
B2000562	AMELANCHIER CANADENSIS	SHADBLOW SERVICEBERRY	4' HEIGHT, SHRUB FORM, BALLED & BURLAPPED	EACH	75
B2002614	MALUS ADAMS	ADAM'S CRABAPPLE	1-3/4" CALIPER, TREE FORM, BALLED & BURLAPPED	EACH	25
B2004814	MALUS SARGENTII	SARGENT CRABAPPLE	1-3/4" CALIPER, TREE FORM, BALLED & BURLAPPED	EACH	20
B2005214	MALUS SUTYZAM	SUGAR TYME CRABAPPLE	1-3/4" CALIPER, TREE FORM, BALLED & BURLAPPED	EACH	25
C2001536	CORNUS RACEMOSA	GREY DOGWOOD	3' HEIGHT, BALLED & BURLAPPED	EACH	55
C2012436	VIBURNUM LENTAGO	NANNYBERRY VIBURNUM	3' HEIGHT, BALLED & BURLAPPED	EACH	50
D2002972	PINUS STROBES	EASTERN WHITE PINE	6' HEIGHT, BALLED & BURLAPPED	EACH	100

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

## TREE REPLACEMENT SCHEDULE 90.4

REVISED 8-10-05

# RUMBLE RESURFACING



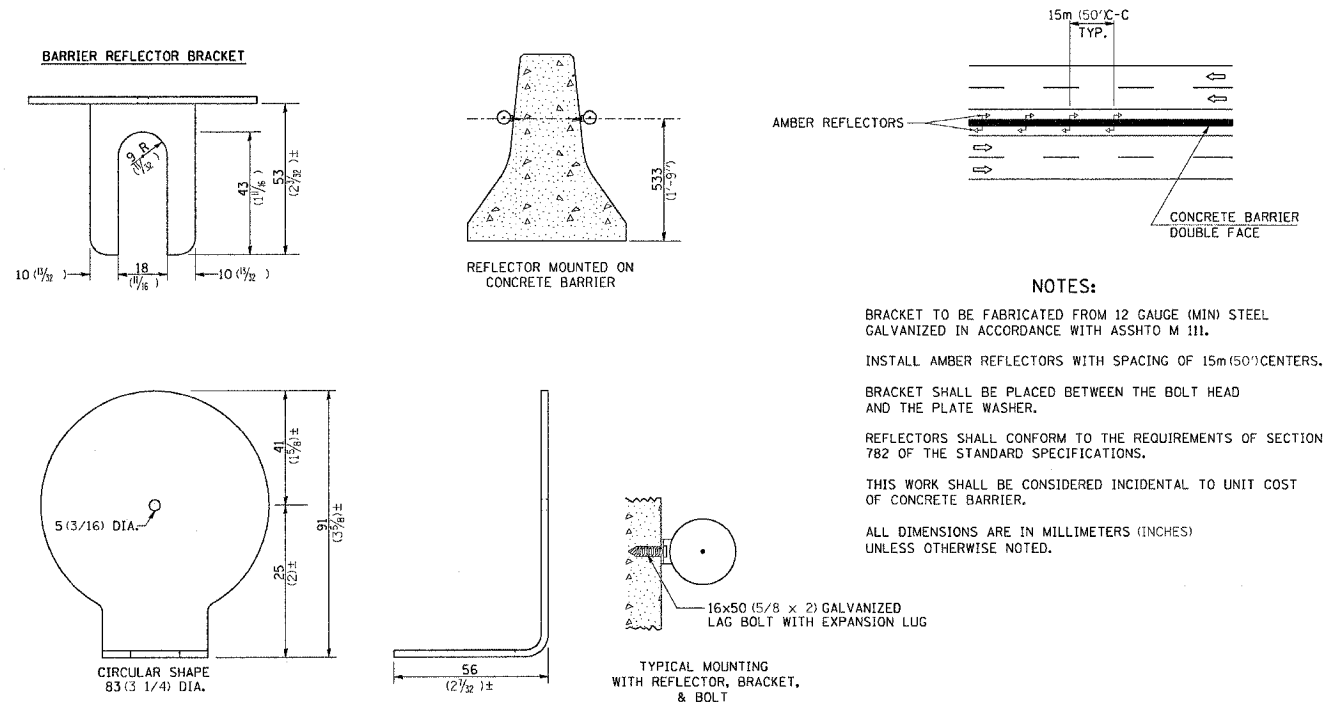
DETAIL "A"

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

## RUMBLE RESURFACING 91.4

REVISED 2-16-88

# BARRIER REFLECTORS

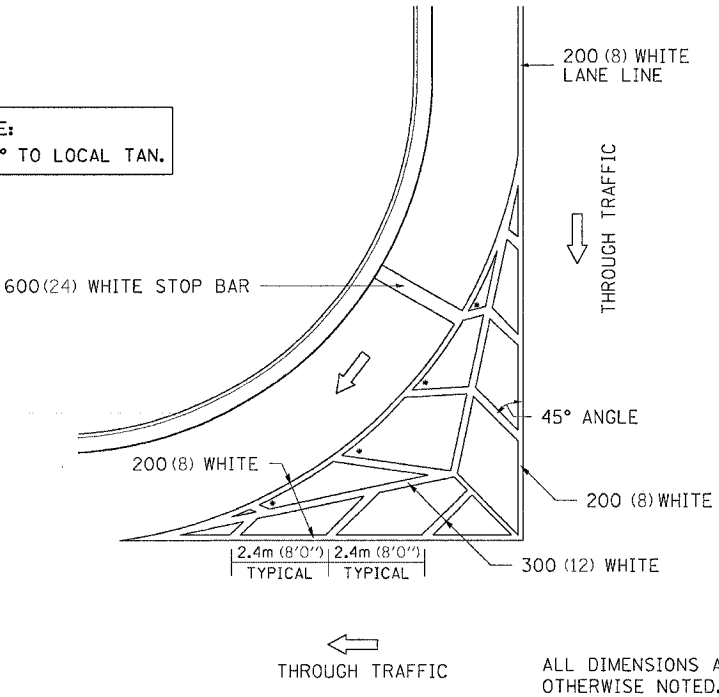


**BARRIER REFLECTORS 92.4**

REVISED 10-10-06

# TYPICAL MARKING FOR PAINTED ISLANDS

**NOTE:**  
\* 45° TO LOCAL TAN.

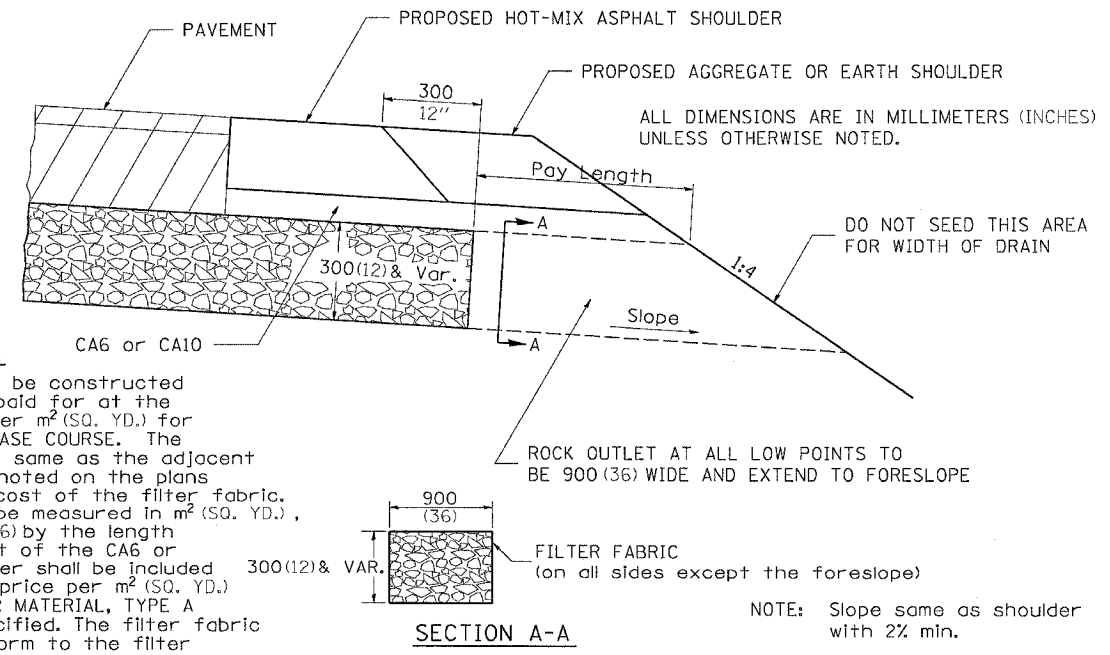


**TYPICAL MARKING FOR PAINTED ISLANDS 93.4**

REVISED 2-7-05

CONTRACT NO. 64560			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
*	**	CARROLL	548
SHEET NO.		232	
STA.		TO STA.	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
* ROUTE 17 (US 52 / IL 64)			
** (1,2)RS & (3,1)RS-1			

# 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<sup>2</sup> (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<sup>2</sup> (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<sup>2</sup> (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.

**DRAIN FOR AGGREGATE BASE COURSE 96.4**

REVISED 10-10-06

# STOP LINE SIGN FOR TEMPORARY SIGNALS



SIZE: 600(24) x 600(24)

100(4) CAPITAL LETTERS - BLACK

13 (1/2) BORDER - BLACK

WHITE REFLECTIVE - TYPE AP HIGH INTENSITY PRISMATIC SHEETING

**GENERAL NOTE:**

THIS SIGN SHALL BE INSTALLED AT THE STOP LINE AS DIRECTED BY ENGINEER.

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

**STOP LINE SIGN FOR TEMPORARY SIGNALS 99.4**

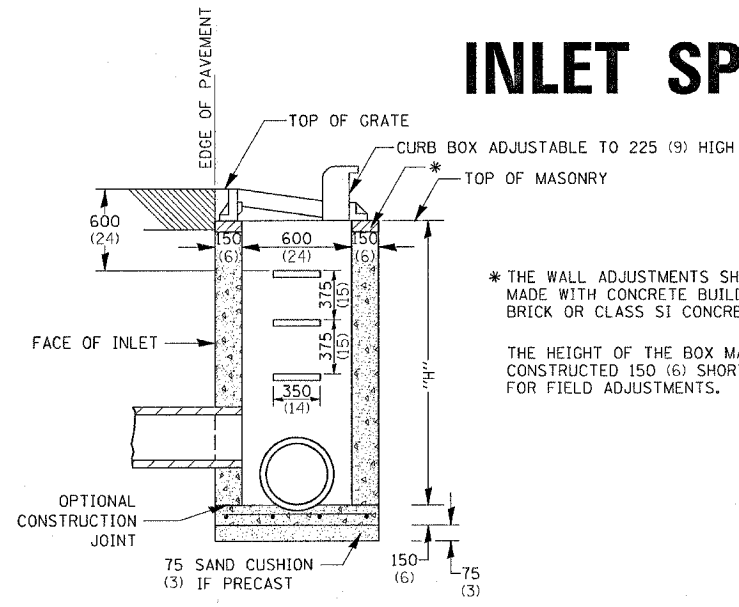
REVISED 1-22-07

PLOT DATE = F:\p\23 10-10-06 2287  
 FILE NAME = 23 10-10-06 2287.dwg  
 PLOT SCALE = 50.0000 / IN.  
 REFERENCE = REF#

X0325519

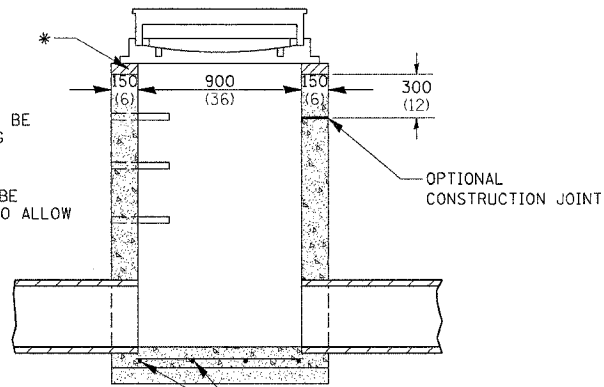
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	233
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* ROUTE 17 (US 52 / IL 64)				
** (1,2)RS & (3,1)RS-1				

# INLET SPECIAL

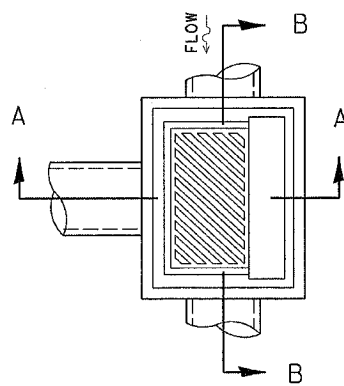


SEC. A-A

\* 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

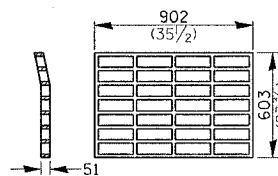
SEE STANDARD 602701 FOR DETAILS OF STEPS.  
EXCEPT AS NOTED HEREON INLET SPECIAL SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS.  
THE SIDE WALLS MAY BE BUILT AS PRECAST SEGMENTED SECTIONS.  
ALL VOIDS AROUND PIPE ENTRANCE, BOTH INSIDE AND OUTSIDE, SHALL BE SEALED 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).

# DETAIL OF FRAME & GRATE

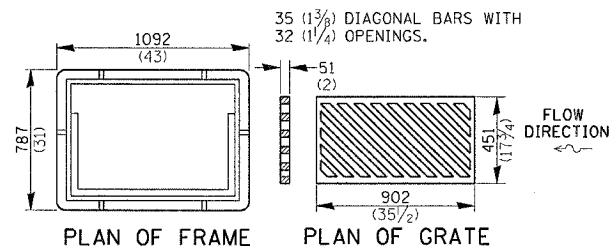
### NOTES

CLASS SI CONCRETE OR PRECAST CONCRETE SHALL BE USED THROUGHOUT. PRECAST CONCRETE SHALL BE IN ACCORDANCE WITH SECTION 504.01 THRU 504.05 OF THE STANDARD SPECIFICATIONS EXCEPT THAT CONCRETE STRENGTH SHALL BE 27.5 MPa (4,000 psi) AFTER 28 DAYS.

THE CONTRACT UNIT PRICE EACH FOR INLET SPECIAL SHALL INCLUDE THE COST OF CONSTRUCTING THE INLET BOX, FURNISHING AND INSTALLING THE FRAME AND GRATE, THE CAST IRON STEPS (IF USED), THE PRECAST FLOOR SLABS, SAND CUSHION (WHEN USED) AND REINFORCEMENT BARS.

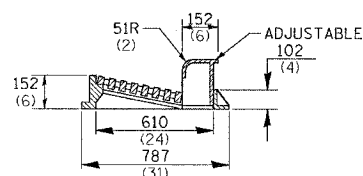


PLAN OF GRATE \*

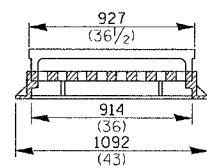


PLAN OF FRAME

PLAN OF GRATE



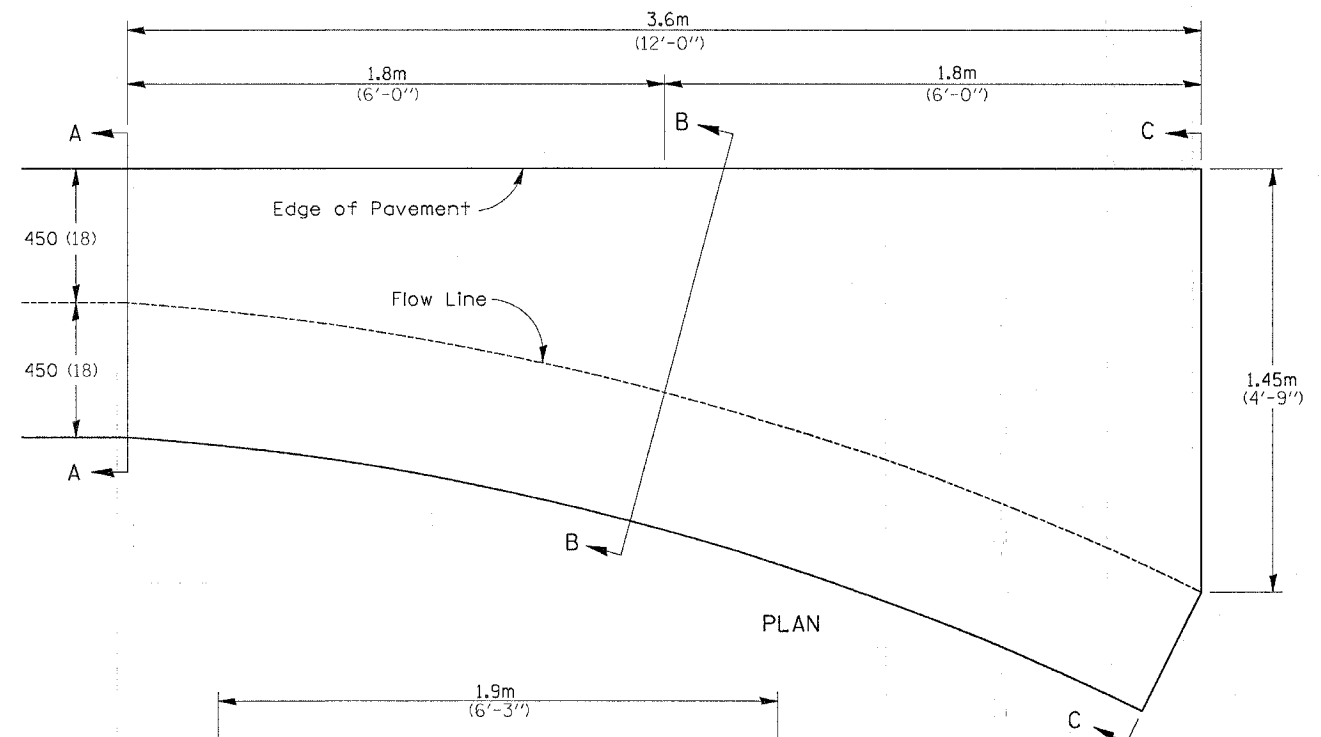
SECTION A-A



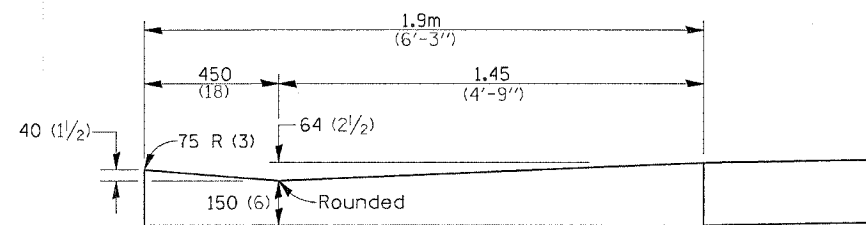
SECTION B-B

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

# STANDARD INLET FOR TYPE A GUTTER (MODIFIED)

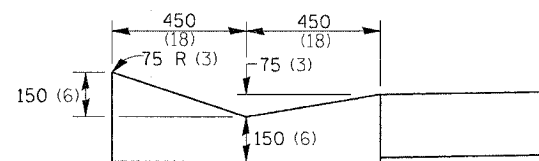


PLAN

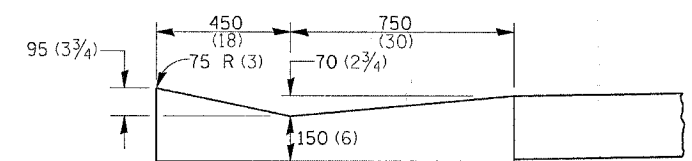


Section C-C

- QUANTITY -  
Section A-A to C-C  
0.92 m<sup>3</sup> (1.2 Cu. Yds.)  
Class SI Concrete



Section A-A



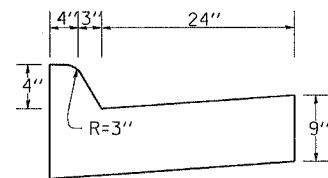
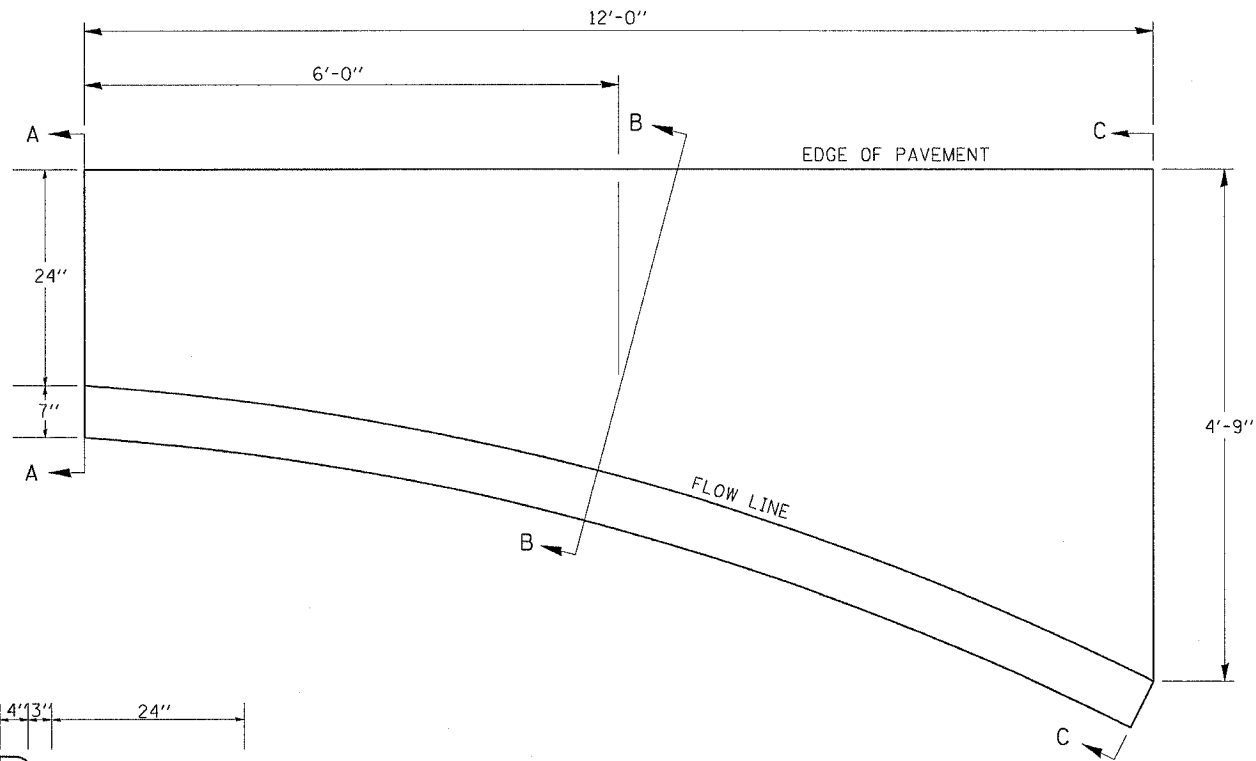
Section B-B

Class SI Concrete shall be used throughout. The gutter inlet will be paid for at the contract unit price per cubic yard for Class SI Concrete (OUTLETS)

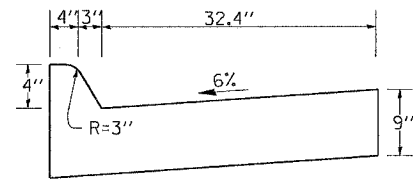
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	234
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		* ROUTE 17 (US 52 / IL 64)		
		** (1,2)RS & (3,1)RS-1		

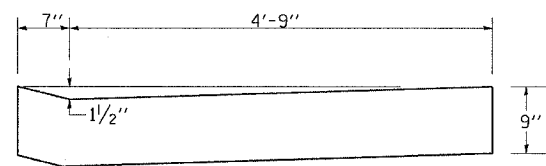
# STANDARD INLET FOR CURB & GUTTER TYPE M-4.24



SECTION A-A



SECTION B-B



SECTION C-C

**NOTES**

Class SI Concrete shall be used throughout.

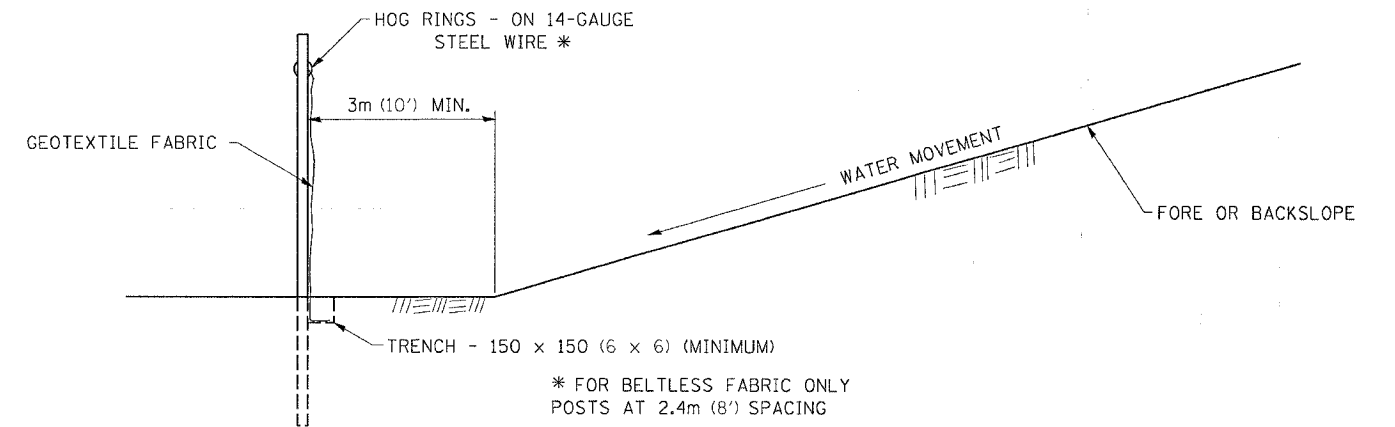
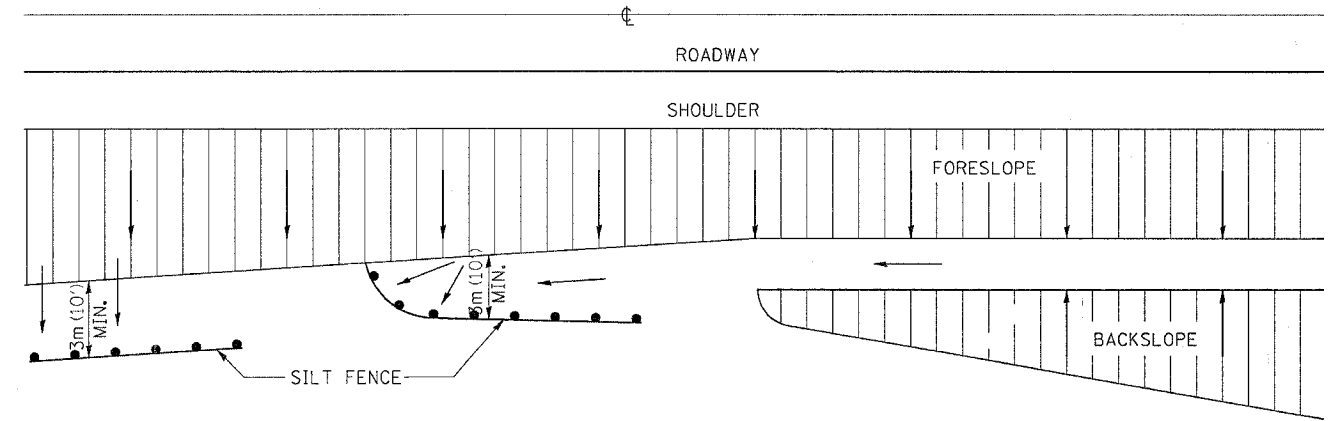
The Curb and Gutter Inlet will be paid for at the contract unit price per cubic yard for Class SI Concrete (OUTLETS).

Joints shall be constructed in accordance with the requirements of Article 606.07 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  
(1.23 Cu. Yds.)  
Class SI Concrete

# EROSION CONTROL DETAILS FOR SILT FENCE

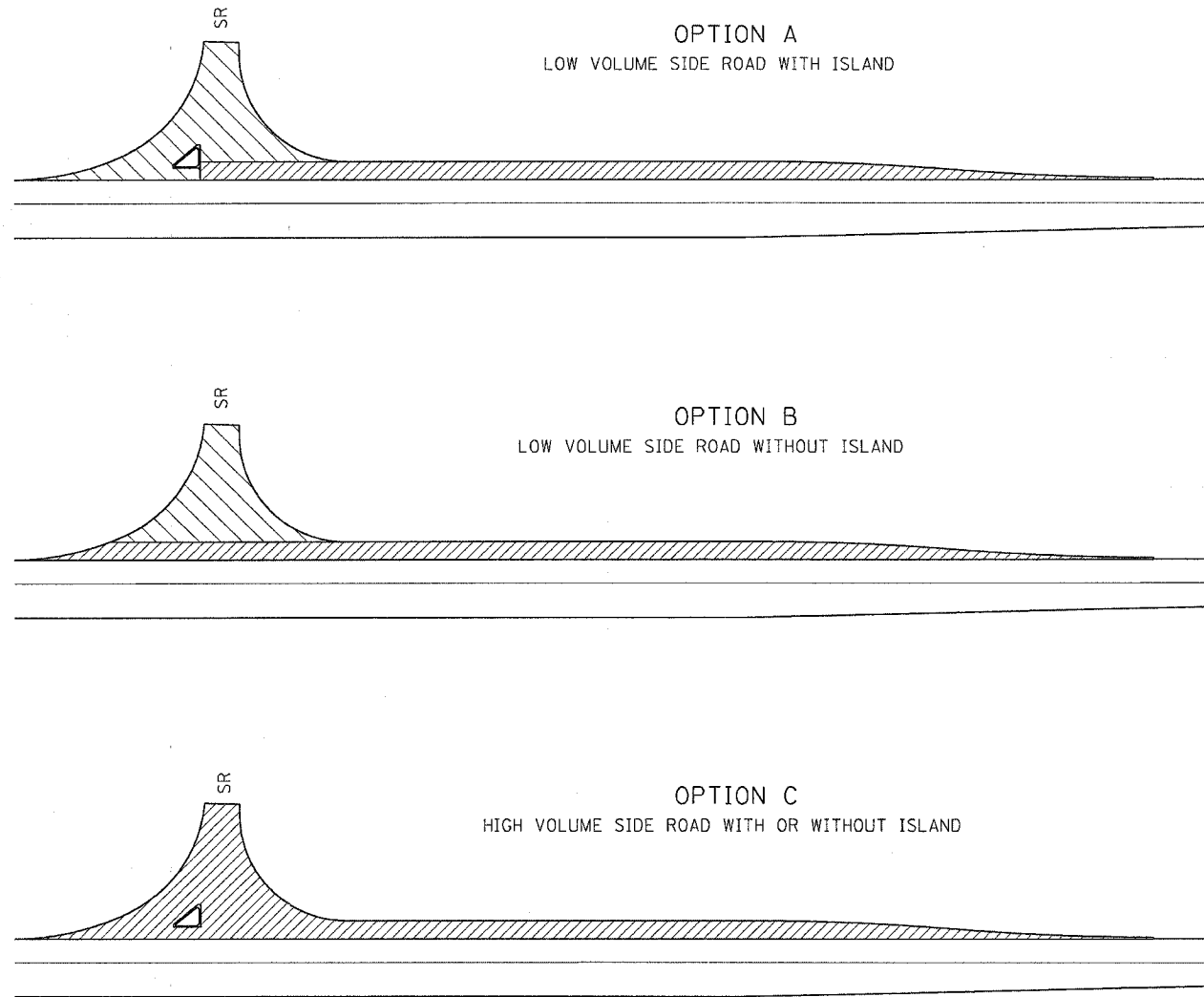


DETAILS OF SILT FENCE

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

PLT DATE = Fri, Mar 23 10:45:13 2007  
PLT SCALE = 50.0000 / IN.  
REFERENCE = REF'S

# RIGHT TURN LANE CONSTRUCTION



### LEGEND

- HOT-MIX ASPHALT PAVEMENT (FULL DEPTH)
- AGGREGATE BASE WITH HOT-MIX ASPHALT SURFACE

## RIGHT TURN LANE CONSTRUCTION

43.2

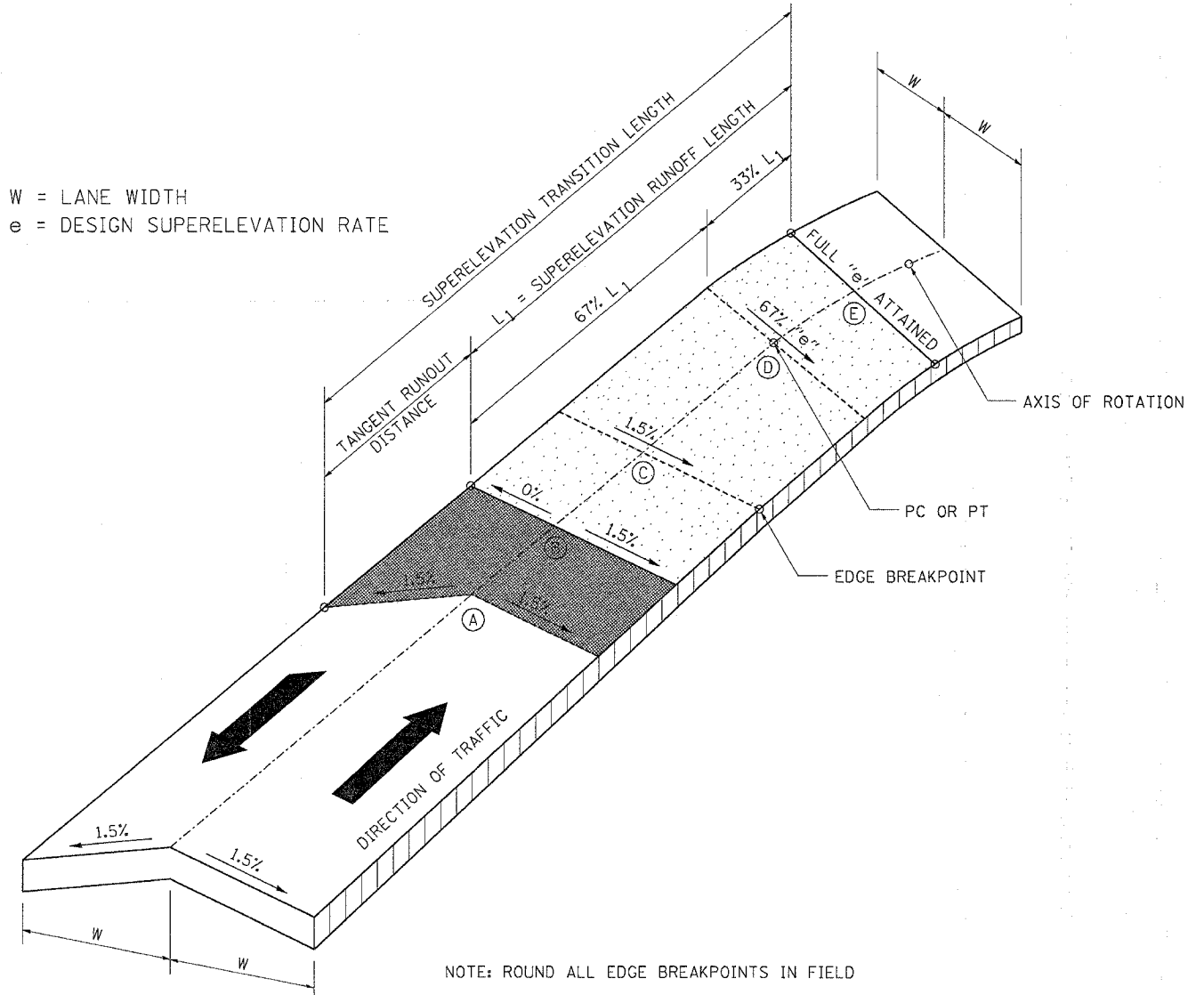
REVISED 10-10-06

PLOT DATE = Fri Mar 23 18:45:06 2007  
 FILE NAME = c:\projects\10207488\10207488.dgn  
 PLOT SCALE = 1/8" = 1'-0"  
 REFERENCE = PREP

# SUPERELEVATION TRANSITION ON TWO-LANE HIGHWAY

CONTRACT NO. 64560			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
*	**	CARROLL	548
SHEET NO.		235	
STA.		TO STA.	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			
• ROUTE 17 (US 52 / IL 64)			
•• (1,2)RS & (3,1)RS-1			

W = LANE WIDTH  
e = DESIGN SUPERELEVATION RATE



NOTE: ROUND ALL EDGE BREAKPOINTS IN FIELD

### TRANSITION CURVE TABLE

ROAD	CURVE PI STA.	SUPERELEVATION "e"	W	SUPERELEVATION TRANSITION LENGTH	TANGENT RUNOUT DISTANCE	SUPERELEVATION RUNOFF LENGTH
US 52	211+53.29	4.6	12	155	38	117
US 52	225+45.82	2.3	12	99	39	60
US 52	237+15.78	4.6	12	155	38	117
US 52	255+61.52	3.3	12	122	38	84
US 52	273+84.63	2.3	12	99	39	60
US 52	287+78.73	3.2	12	123	39	84
US 52	327+94.75	2.3	12	99	39	60
US 52	346+26.11	4.5	12	156	39	117
US 52	363+54.84	4.5	12	156	39	117
US 52	379+71.11	4.5	12	156	39	117
US 52	391+82.42	5.0	12	168	39	129
US 52	407+27.36	3.5	12	129	39	90
US 52	423+22.98	4.6	12	155	38	117
US 52	447+95.15	3.8	12	138	39	99
US 52	542+38.62	3.2	12	123	39	84
US 52	572+74.56	4.7	12	158	38	120
US 52	599+52.94	3.9	12	141	39	102
US 52	646+72.12	3.9	12	141	39	102
QUARRY RD.	1005+10.96	4.0	11	116	32	84
QUARRY RD.	1009+89.18	4.0	11	116	32	84
BENTON ST.	1606+78.54	5.2	12	162	36	126

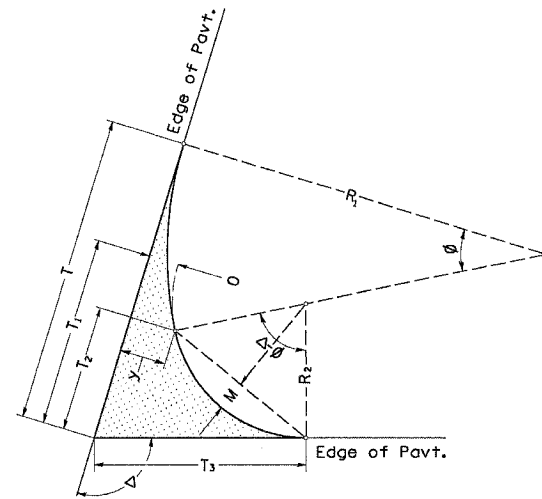
## SUPERELEVATION TRANSITION ON TWO-LANE HIGHWAY

45.2





# TWO CENTER CURVE DATA



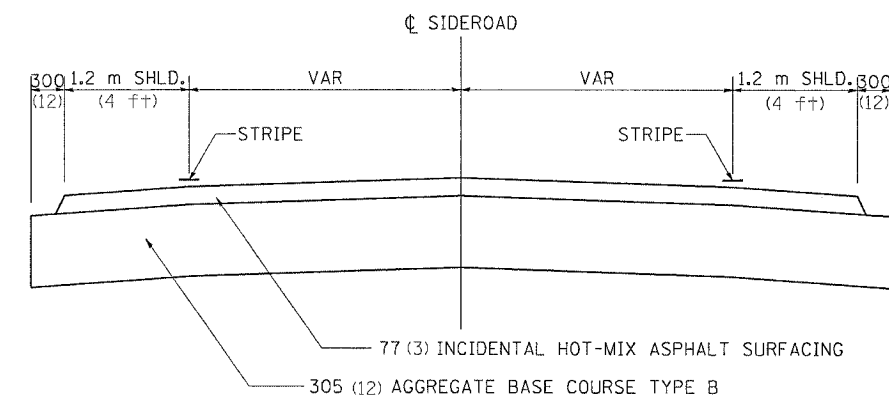
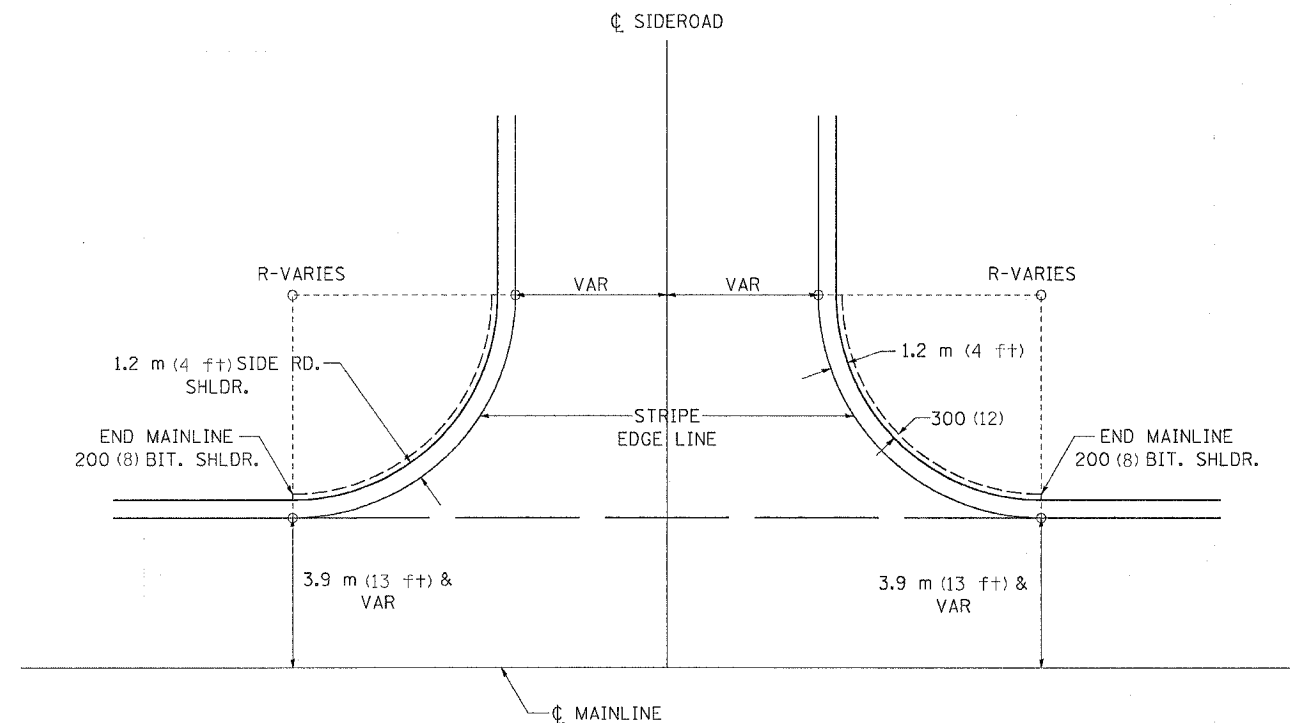
TWO CENTER CURVES

CURVE NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
R1	250.00	250.00	250.00	250.00	250.00	180.00	180.00	250.00	250.00	250.00	300.00	300.00	200.00	250.00	250.00	250.00	250.00	300.00
R2	50.00	50.00	50.00	50.00	50.00	50.00	50.00	45.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	100.00
O	9.00	9.00	9.00	9.00	9.00	7.00	7.00	9.00	9.00	9.00	12.00	12.00	8.00	9.00	9.00	9.00	9.00	8.00
DELTA	89.40	90.47	90.58	89.26	98.21	79.46	97.66	116.62	73.00	102.21	91.39	90.00	99.81	88.39	89.09	89.92	89.71	60.76
T	108.71	109.81	109.92	108.56	118.35	82.34	100.20	137.48	93.57	123.25	128.04	126.52	109.10	107.68	108.39	109.24	109.02	110.14
T1	49.38	50.49	50.60	49.24	59.03	40.25	58.12	77.40	34.25	63.92	51.52	50.00	60.77	48.36	49.07	49.92	49.70	54.14
T2	34.55	35.66	35.77	34.41	44.20	24.07	41.93	64.21	19.42	49.09	36.21	34.70	44.66	33.53	34.24	35.09	34.87	26.14
T3	58.48	59.41	59.51	58.36	66.82	48.68	64.24	82.96	46.41	71.19	63.23	62.00	67.51	57.62	58.21	58.93	58.75	67.79
y	11.25	11.25	11.25	11.25	11.25	9.69	9.69	10.98	11.25	11.25	14.40	14.40	10.67	11.25	11.25	11.25	11.25	12.00
4y/9	5.00	5.00	5.00	5.00	5.00	4.31	4.31	4.88	5.00	5.00	6.40	6.40	4.74	5.00	5.00	5.00	5.00	5.33
y/9	1.25	1.25	1.25	1.25	1.25	1.08	1.08	1.22	1.25	1.25	1.60	1.60	1.19	1.25	1.25	1.25	1.25	1.33
M	9.59	9.86	9.89	9.55	11.97	6.82	11.36	15.95	5.80	13.12	9.95	9.59	11.98	9.33	9.51	9.72	9.67	7.45
15M/16	8.99	9.25	9.27	8.95	11.22	6.40	10.65	14.95	5.44	12.30	9.33	8.99	11.23	8.75	8.91	9.11	9.06	6.98
3M/4	7.19	7.40	7.42	7.16	8.98	5.12	8.52	11.96	4.35	9.84	7.47	7.20	8.99	7.00	7.13	7.29	7.25	5.58
7M/16	4.19	4.32	4.33	4.18	5.24	2.99	4.97	6.98	2.54	5.74	4.36	4.20	5.24	4.08	4.16	4.25	4.23	3.26
C	58.88	59.63	59.71	58.78	64.92	50.43	63.45	68.73	46.75	67.53	59.88	58.90	64.95	58.17	58.86	59.25	59.10	75.73

CURVE NO.	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
R1	250.00	250.00	300.00	320.00	360.00	360.00	360.00	360.00	180.00	180.00	360.00	400.00	200.00	140.00	280.00	300.00	300.00
R2	50.00	50.00	100.00	60.00	100.00	90.00	90.00	120.00	40.00	40.00	60.00	60.00	40.00	35.00	40.00	60.00	45.00
O	10.00	8.00	8.00	10.00	8.00	8.00	8.00	10.00	10.00	10.00	12.00	15.00	5.00	3.00	12.00	10.00	16.00
DELTA	114.54	110.48	59.29	95.36	82.74	97.25	95.99	82.80	83.56	94.64	97.76	79.64	122.32	110.37	114.70	61.30	111.16
T	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
y	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4y/9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
y/9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15M/16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3M/4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7M/16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C	84.12	82.15	98.92	88.73	132.18	135.07	133.76	158.71	53.30	58.81	90.40	76.85	70.08	57.47	67.36	61.18	74.24

# TYPICAL AGGREGATE BASE SIDEROAD

CONTRACT NO. 64560			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
*	**	CARROLL	548
SHEET NO.	237		
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
* ROUTE 17 (US 52 / IL 64)			
** (1,2)RS & (3,1)RS-1			

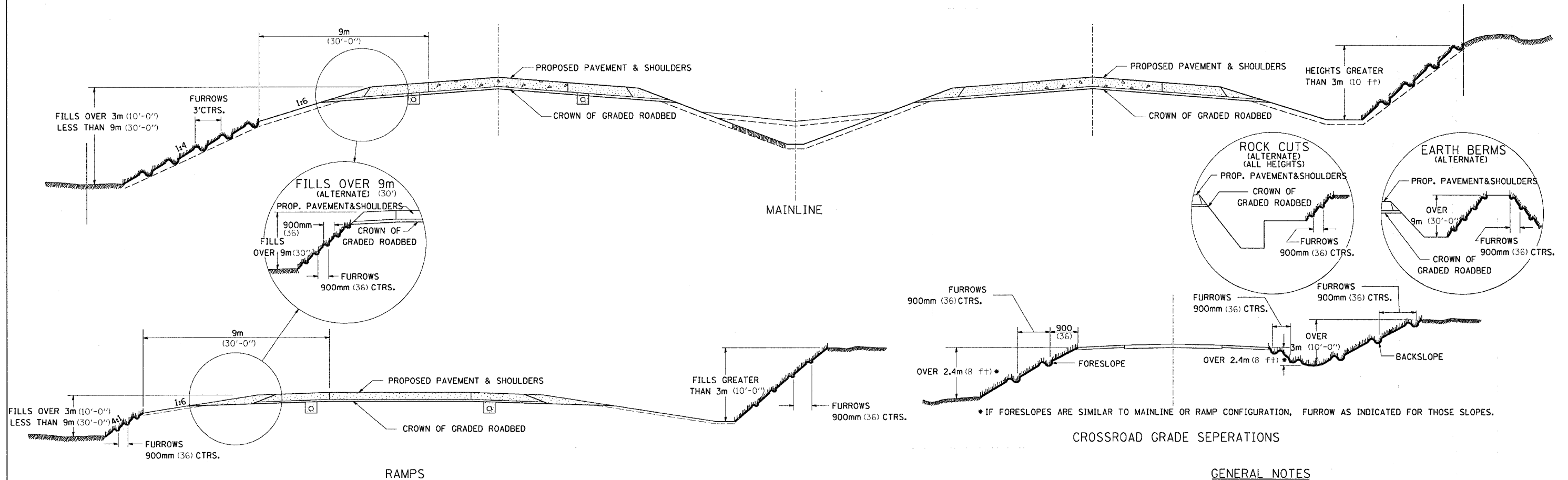


ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

PLOT DATE = F:\M\23 18\05\28 2007  
 FILE NAME = 50.2000\7406\106\106.dgn  
 PLOT SCALE = 50.2000 / IN.  
 REFERENCE = REF\*

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	238
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• ROUTE 17 (US 52 / IL 64) •• (1,2)RS & (3,1)RS-1				

# TYPICAL FURROWED ROADWAY SLOPES



**GENERAL NOTES**

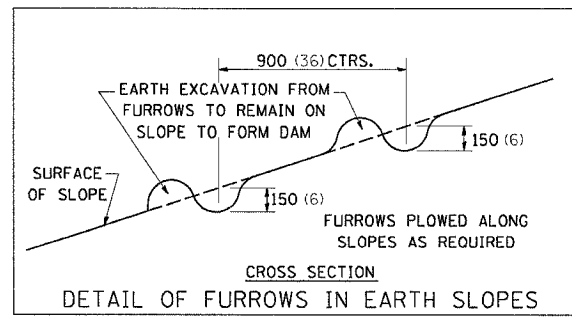
IN GENERAL, THE ENTIRE EARTH SURFACE WITHIN THE RIGHT-OF-WAY SHALL BE SEEDED AND MULCHED. NO AGRICULTURAL GROUND LIMESTONE SHALL BE APPLIED TO THE GRADED ROADBED.

FORESLOPES AND/OR BACKSLOPES 3m (10 ft) OR LESS IN HEIGHT WILL NOT REQUIRE FURROWING UNLESS OTHERWISE NOTED IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

FORESLOPES AND/OR BACKSLOPES OVER 3m (10 ft) IN HEIGHT SHALL BE FURROWED. THE OPERATION SHALL INCLUDE FINISHING THE SLOPES TO FINAL LINE AND GRADE, AS SHOWN ON THE CROSS SECTIONS BEFORE FURROWING IS DONE. FURROWS SHALL BE PLOWED ALONG A LEVEL LINE CONFORMING TO THE CONTOURS OF THE SLOPE. THE COST OF FURROWING SHALL BE CONSIDERED INCLUDED IN THE PROJECT COST AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**SEQUENCE AND OPERATION FOR SEEDING, MULCHING AND FURROWING OF ROADWAY SLOPES:**

1. SPREAD FERTILIZER.
2. PERFORM THE OPERATION OF GROUND PREPARATION.
3. PLOW FURROWS.
4. PERFORM THE OPERATION OF SEEDING. THE SEED SHALL BE SOWN ON THE SURFACE OF THE PREPARED GROUND AFTER FURROWING.
- 4A. THE OPERATION OF COVERING THE SEED, BY HARROWING OR OTHER MEANS, SHALL BE PERFORMED ONLY IF SO DIRECTED BY THE ENGINEER AND SHALL BE INCIDENTAL OF THE ITEM OF SEEDING.
5. SECTION 250 AND 251 OF THE STANDARD SPECIFICATIONS SHALL GOVERN THIS WORK EXCEPT AS NOTED HEREIN.



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

PLOT DATE = Fri Mar 23 16:45:13 2007  
FILE NAME = c:\p\proj\cass\207400\407400.dgn  
PLOT SCALE = 50.0000 / 1 IN.  
REFERENCE = SHEET

# STORM WATER POLLUTION PREVENTION PLAN EROSION CONTROL PLAN

CONTRACT NO. 64560			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
*	**	CARROLL	548 239
STA.		TO STA.	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
* ROUTE 17 (US 52 / IL 64)			
** (1,2)RS & (3,1)RS-1			

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 \_\_\_\_\_

#### 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) \_\_\_\_\_ ACRES

PROPOSED R.O.W (TOTAL PARCEL AREA) \_\_\_\_\_ ACRES

DISTURBED BY EXCAVATION (E.O.P TO CONSTRUCTION LIMIT) \_\_\_\_\_ 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

#### 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.

PLOT DATE = Fri, Mar 23, 11:25:09 2007  
 FILE NAME = c:\projects\64560\64560.dwg  
 PLOT SCALE = 50.00000 / IN.  
 REFERENCE = REF#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	240
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

\* ROUTE 17 (US 52 / IL 64)  
 \*\* (1,2)RS & (3,1)RS-1

# PC CONCRETE ISLANDS AND MEDIANS ACCESSIBLE TO THE DISABLED

**General Notes:**

See Standard 606301 and plan sheets for station & offsets, radii, dimensions, and details not shown.

The sidewalk should drain to the low side of the island. If necessary the sidewalk shall be sloped to drain at a maximum 2% grade.

See the plan general notes for the type of curb & gutter to be used on islands.

Curb & gutter adjacent to the walkway in the interior of the island shall have 150 (6) gutter flags.

The sidewalk should not be closer than 900 (36) from the corner of the island.

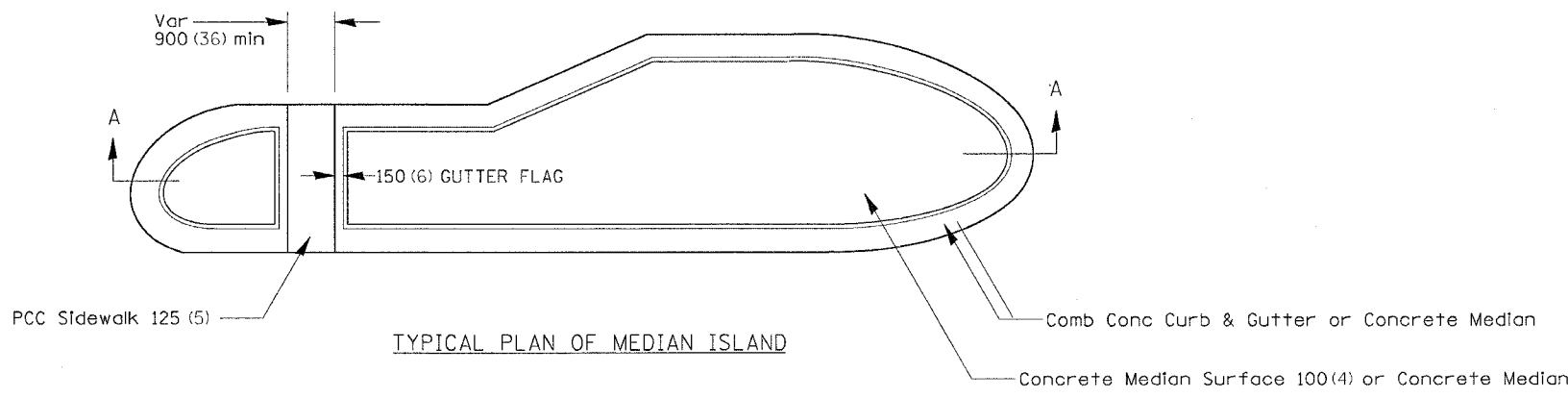
Keyed longitudinal construction joints shall be constructed without tie bars.

Medians and large islands shall consist of PCC Sidewalk 125 (5), Concrete Median Surface 100 (4), and Combination Concrete Curb & Gutter, Type M or B of the size specified. Median Island can also be solid concrete medians.

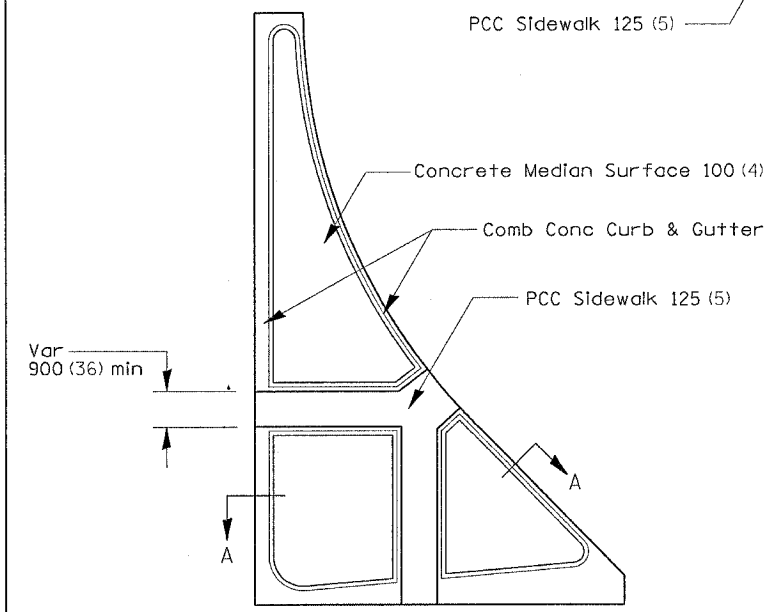
Locations, layouts, and widths of the flush sidewalk area, shall be determined by the designer and shown on the plans.

The intermediate and small islands will be measured for payment from E.O.P. to E.O.P. using either option 1 or option 2, as directed by the Engineer, and will be paid for at the contract unit price per SQ M (SQ YD) for ISLAND SPECIAL, which shall include the combination curb & gutter, sidewalk, aggregate fill, concrete median surface, and solid concrete median.

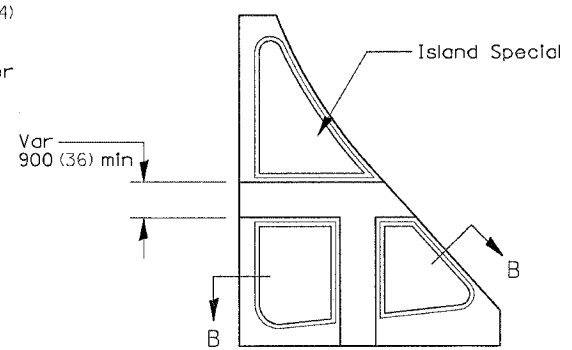
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.



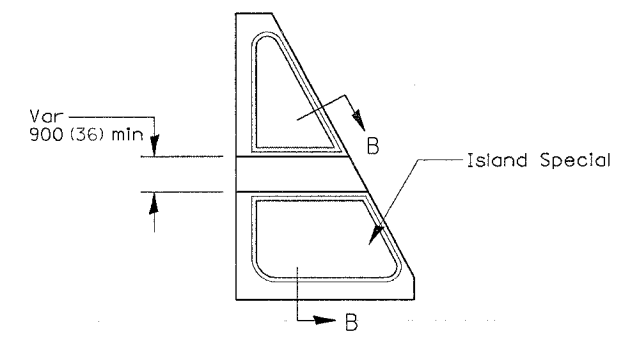
TYPICAL PLAN OF MEDIAN ISLAND



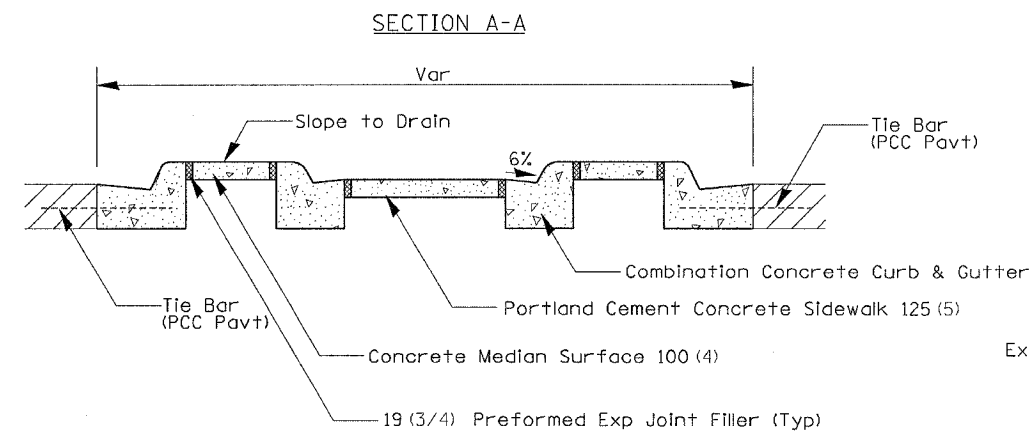
LARGE ISLAND (Free Flow Design)



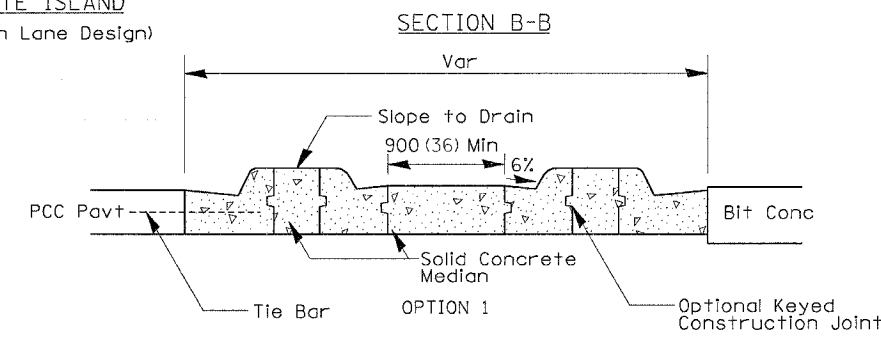
INTERMEDIATE ISLAND (For Right Turn Lane Design)



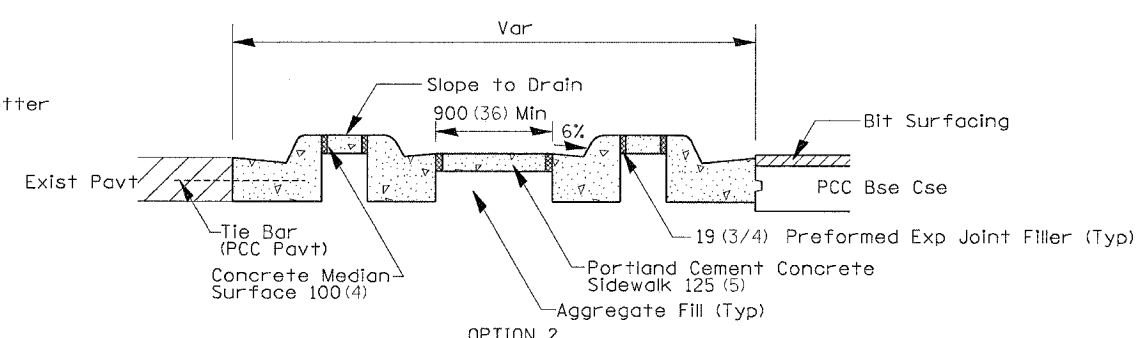
SMALL ISLAND (For Typical Design)



SECTION A-A



SECTION B-B



OPTION 2

PLOT DATE = Fri, Mar 23 10:45:11 2007  
 FILE NAME = S:\2007\64560\64560.dgn  
 PLOT SCALE = 50.0000 / IN.  
 REFERENCE = REF#

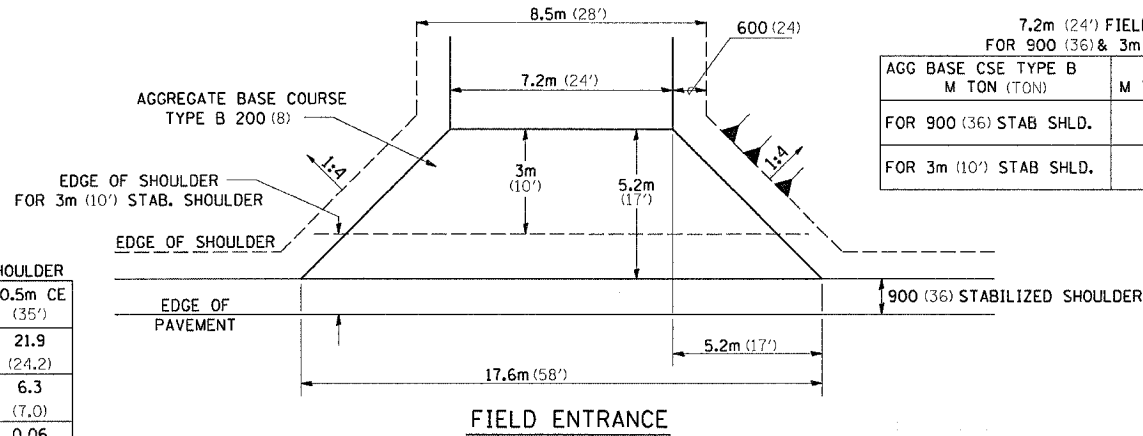
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	241
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

ROUTE 17 (US 52 / IL 64)  
 \*\* (1,2)RS & (3,1)RS-1

# HOT-MIX ASPHALT APPROACHES & MAILBOX TURNOUTS

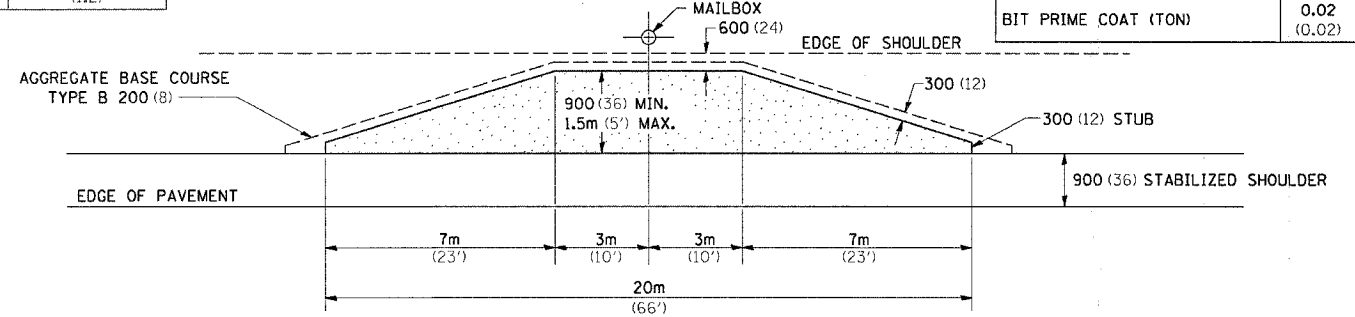
7.2m (24') FIELD ENTRANCE FOR 900 (36) & 3m (10') SHOULDERS

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)



	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)

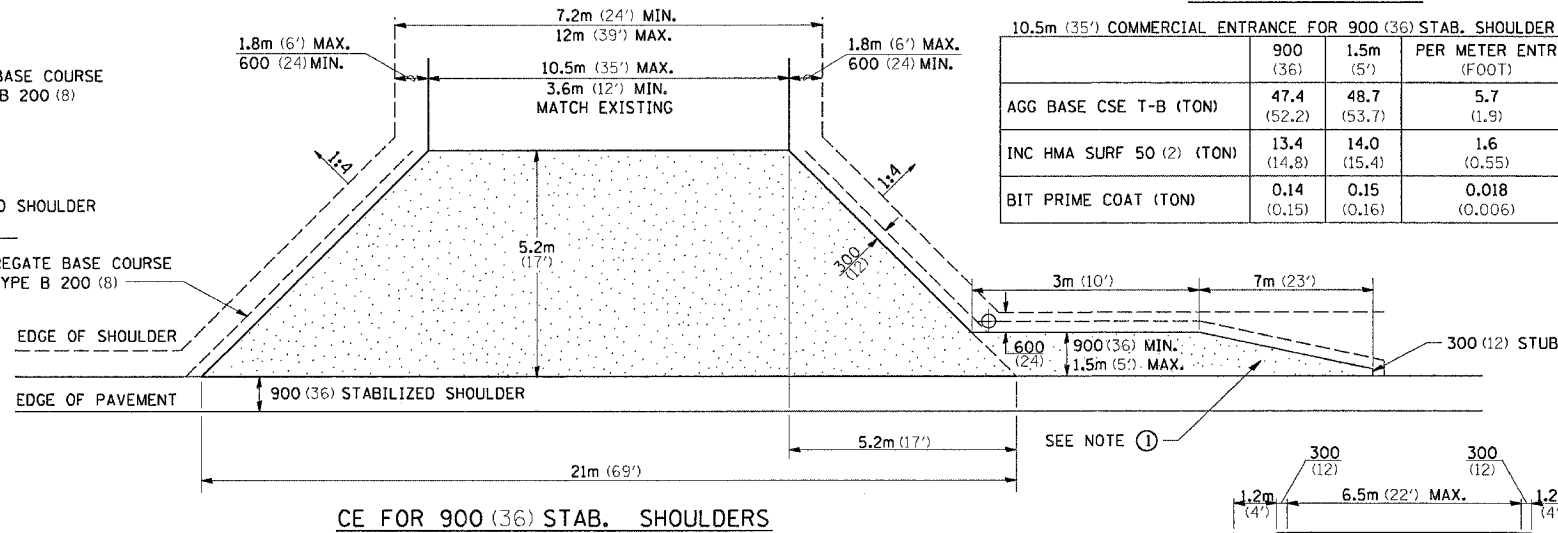
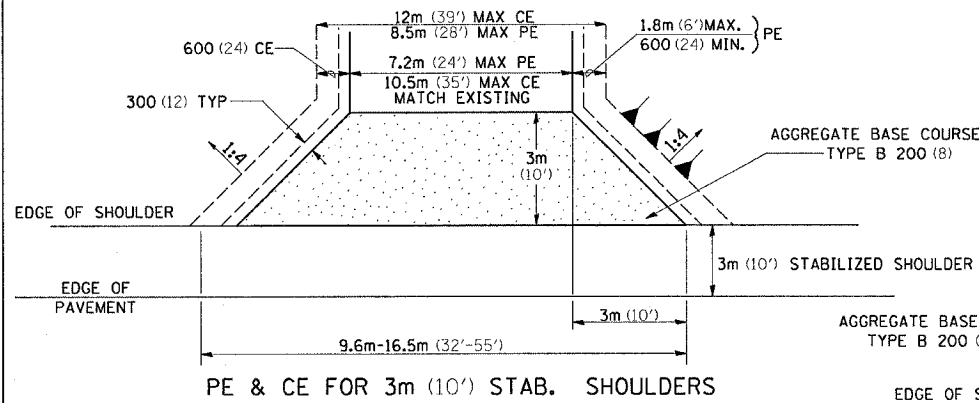
## MAILBOX TURNOUT

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)

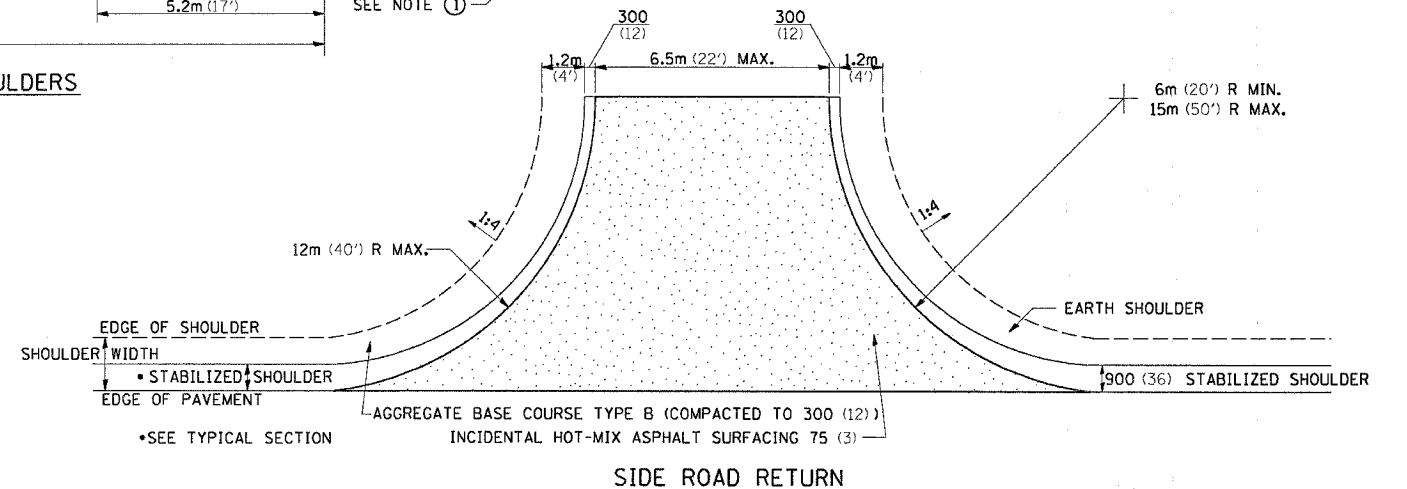
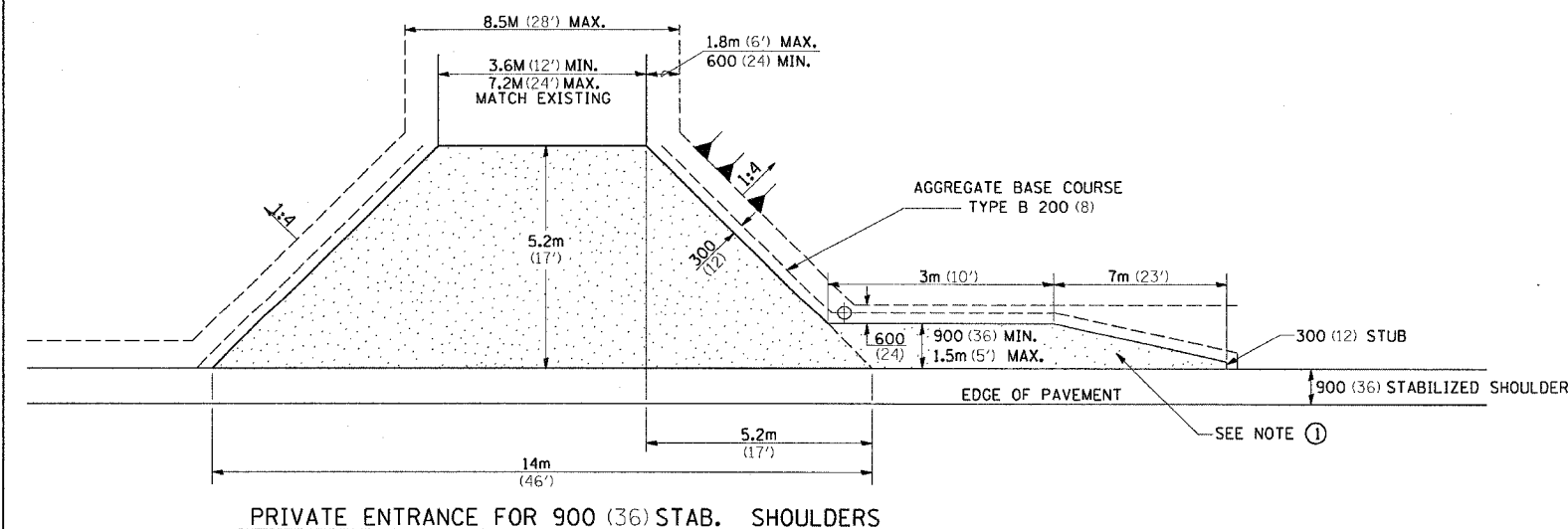
## NOTE

- 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.
- TURNOUTS ARE TO BE CONSTRUCTED ON THE APPROACH SIDE OF ALL PE & CE REGARDLESS IF A MAILBOX IS PRESENT.
- ALL PE & CE ARE TO BE SURFACED TO RIGHT OF WAY LINE. AREA BEHIND RIGHT OF WAY SHALL MATCH EXISTING SURFACE.
- FE ARE TO BE AGGREGATE TO RIGHT OF WAY OR TOUCH DOWN WHICH EVER IS GREATER.
- QUANTITIES SHOWN ARE FOR NEW CONSTRUCTION.
- ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.



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)



	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)

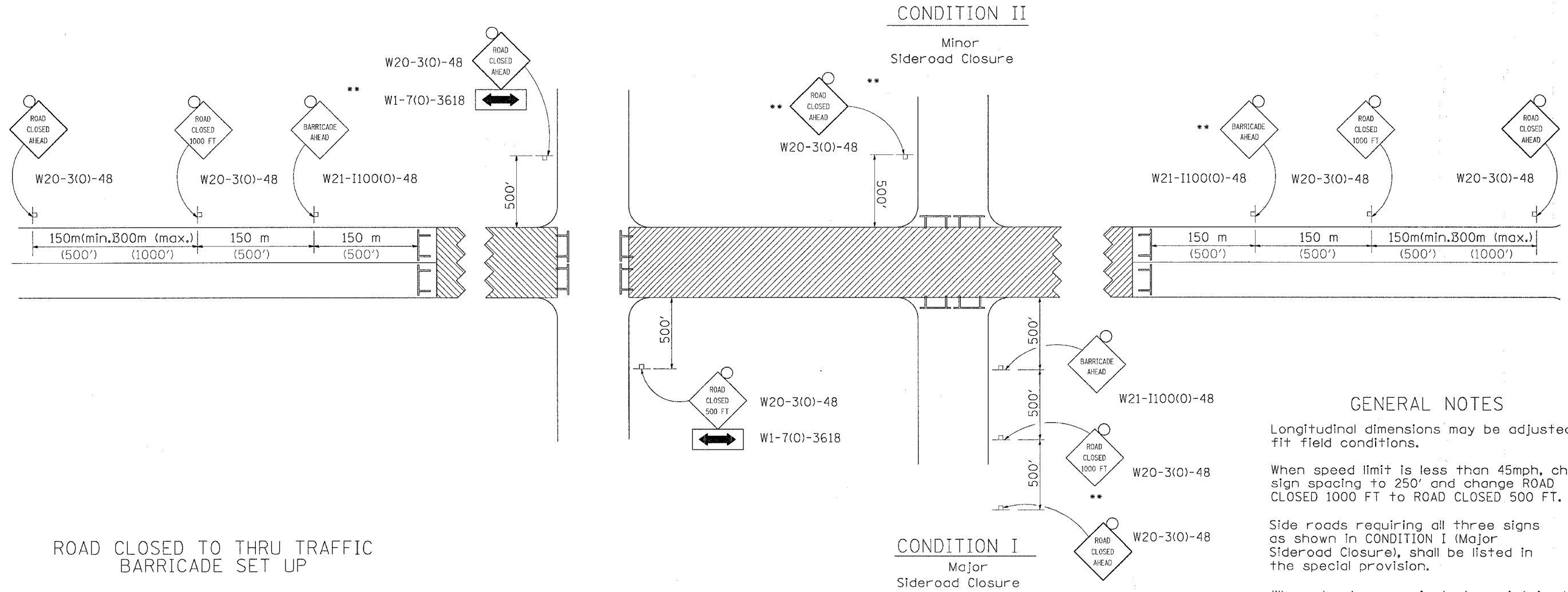
NOTE: USE 50 (2) INC. HMA SURF. ON EXISTING RETURNS

PLOT DATE = Fri, Mar 23 10:45:11 2007  
 FILE NAME = S:\PROJECTS\2007\408\408.dgn  
 PLOT SCALE = 50.0000 / IN  
 REFERENCE = REF#

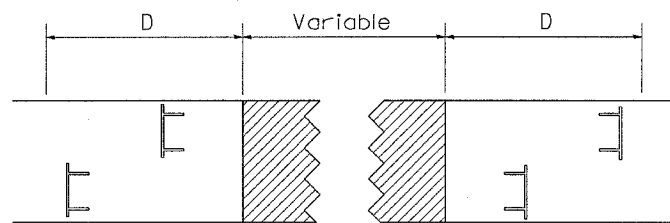


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	243
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* ROUTE 17 (US 52 / IL 64) ** (1,2)RS & (3,1)RS-1				

# TRAFFIC CONTROL FOR ROAD CLOSURE



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

## 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.

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

TYPICAL APPLICATION FOR ROAD CLOSURE

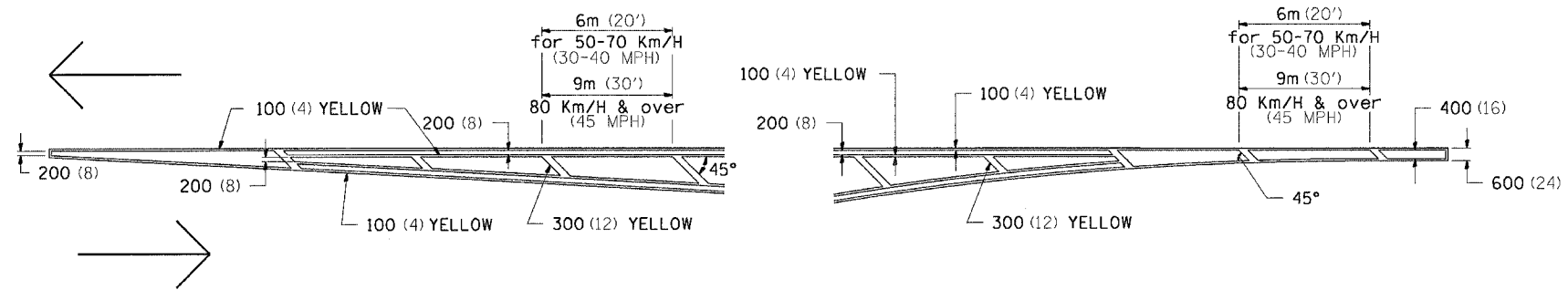
PLOT DATE = Fri, Mar 23, 10:45:13, 2007  
 FILE NAME = C:\Users\jg\Documents\2007\1486\1486.dwg  
 PLOT SCALE = 50.0000% / IN.  
 REFERENCE = BREF.s

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	244
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

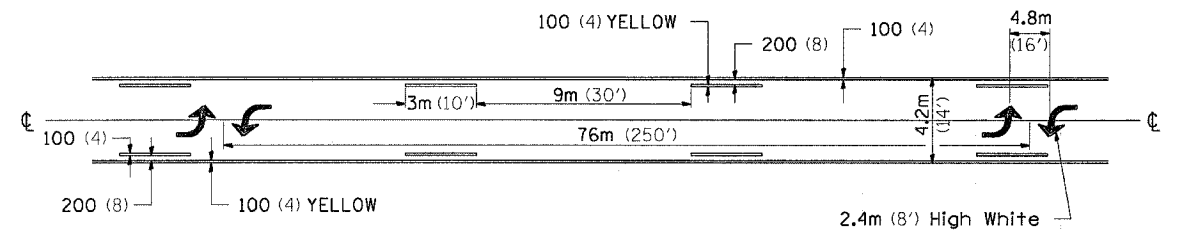
\* ROUTE 17 (US 52 / IL 64)  
 \*\* (1,2)RS & (3,1)RS-1

# TYPICAL PAVEMENT MARKINGS

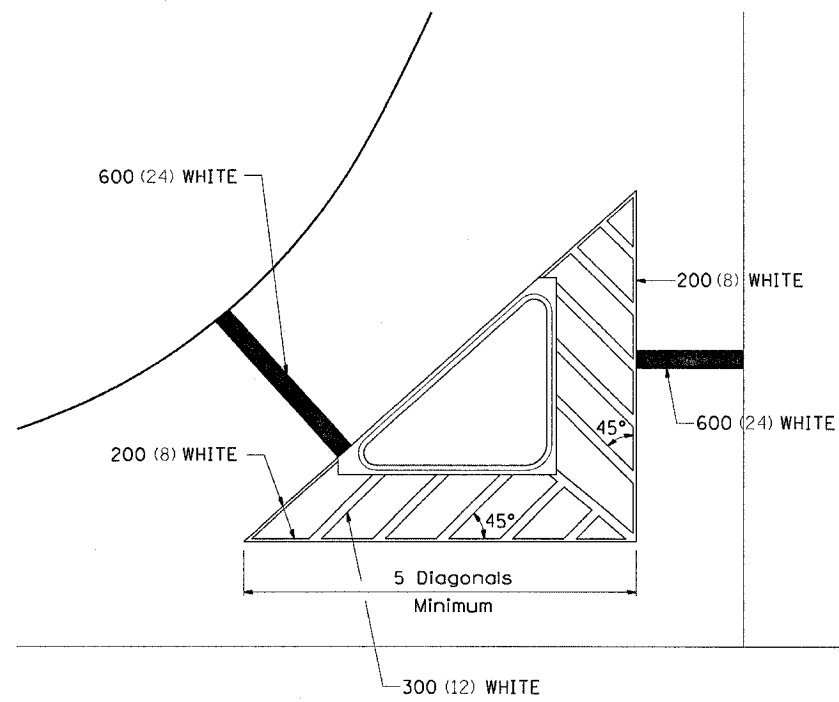
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE



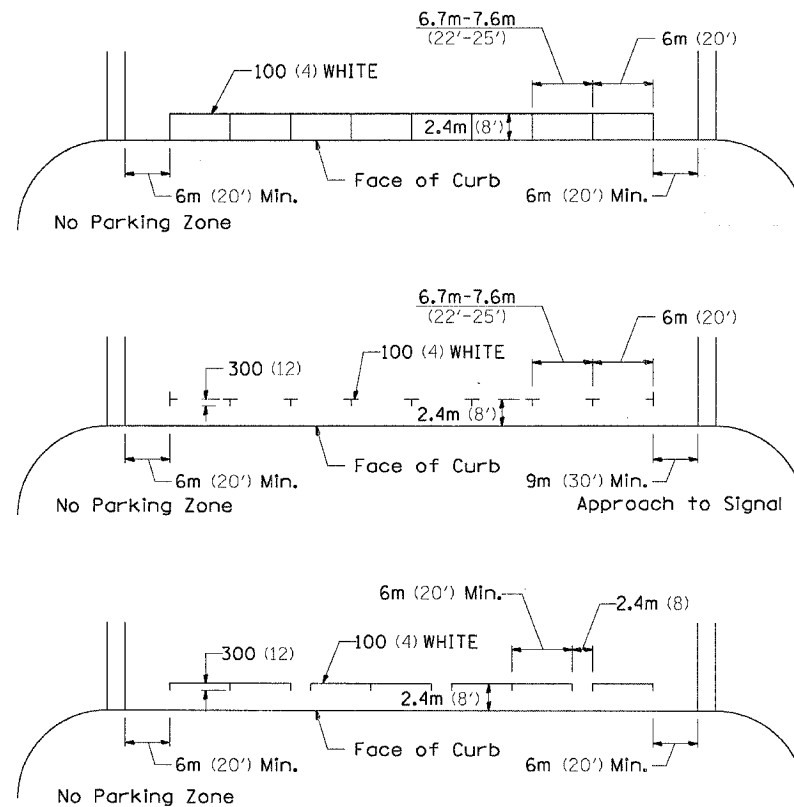
MEDIAN PAVEMENT MARKING



TYPICAL ISLAND OFFSET SHOULDER WIDTH



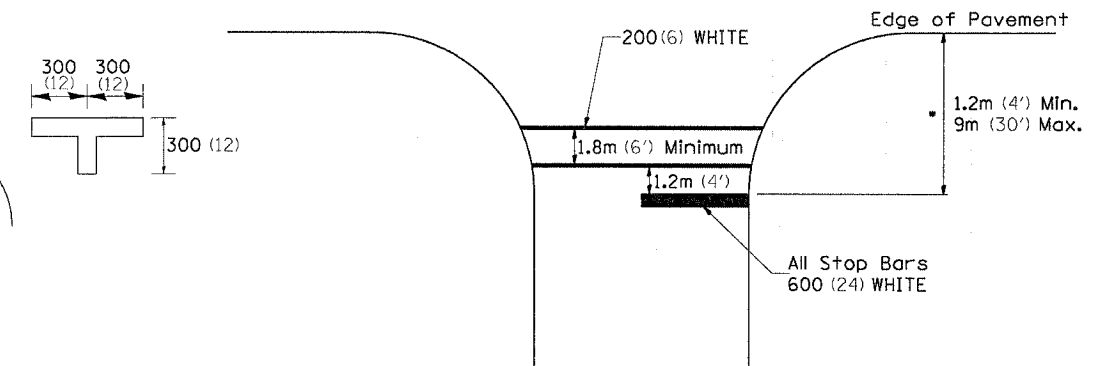
TYPICAL PARKING SPACING



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

STANDARD CROSSWALK MARKING

See Schedules for Locations



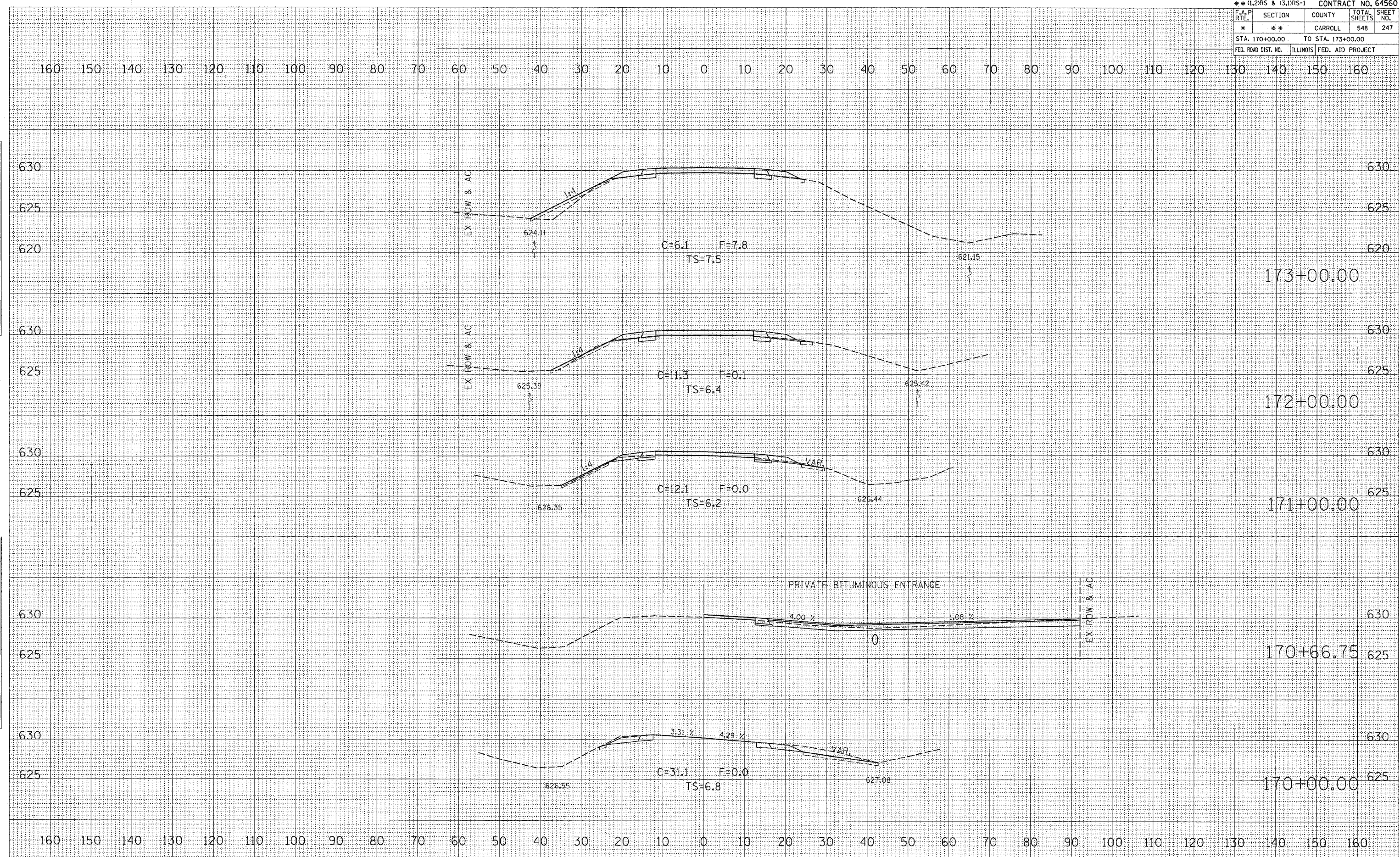
• Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

PLOT DATE = Fri, Mar 23 10:45:10 2007  
 FILE NAME = c:\p\projects\2007\100-067400-1.dgn  
 PLOT SCALE = 50.0000 \* 1 IN.  
 REFERENCE = #REFs









DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 NO. \_\_\_\_\_

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 NO. \_\_\_\_\_

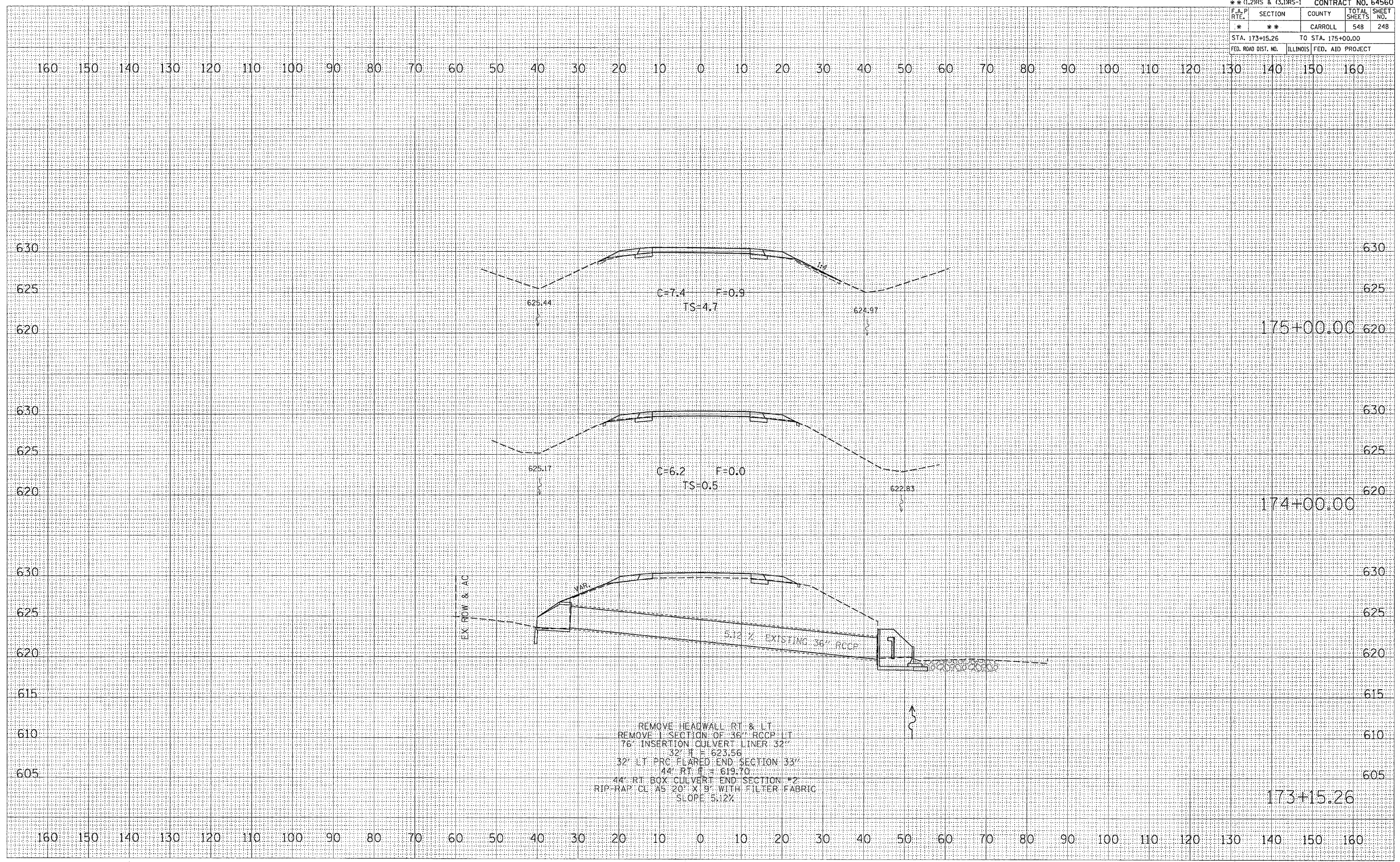
PLOT DATE = Thu Mar 22 14:13:28 2007  
 FILE NAME = c:\projects\207480\207480.mxd  
 PLOT SCALE = 1/8" = 100'-0"  
 USER NAME = hennepke

* ROUTE 17 (US 52 / IL 64)			
** (1,2)RS & (3,1)RS-1			
CONTRACT NO. 64560			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
*	*	CARROLL	548
STA. 173+15.26		TO STA. 175+00.00	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	

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

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

PLOT DATE = Thu Mar 22 14:41:32 2007  
 FILE NAME = c:\pvc\pvc12\207100\ad07480-ma-1\pvc12-1\pvc12-1.dwg  
 PLOT SCALE = 1/8" = 1'-0"  
 USER NAME = jhannone



REMOVE HEADWALL RT & LT  
 REMOVE 1 SECTION OF 36" RCCP LT  
 76' INSERTION CULVERT LINER 32"  
 32' LT PRC FLARED END SECTION 33"  
 44' RT PRC FLARED END SECTION #2  
 RIP RAP CL 20' X 9' WITH FILTER FABRIC  
 SLOPE 5.12%



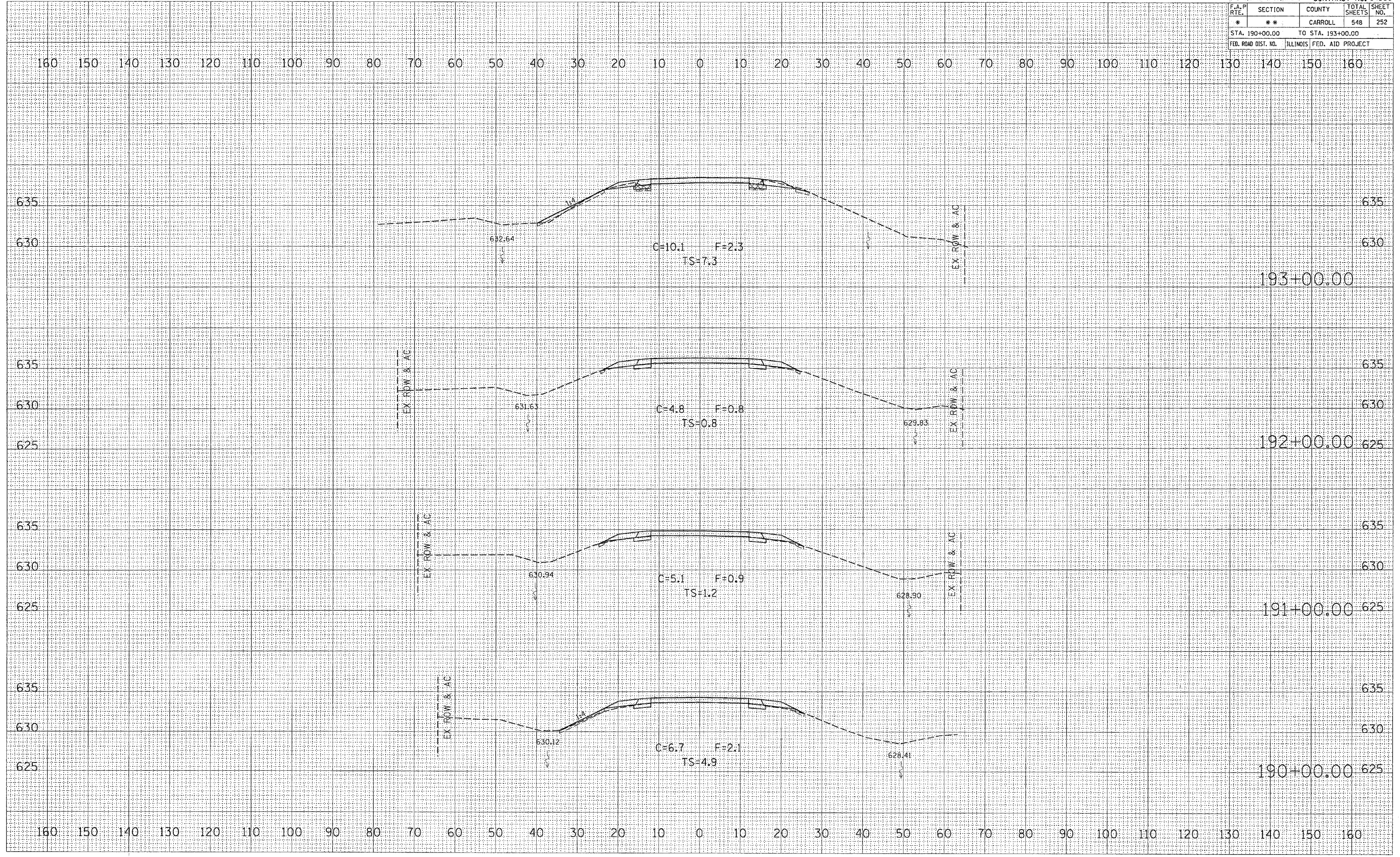




FINISH	DATE
SURVEY	BY
NOTE BOOK	
AREAS CHECKED	
NO.	

ORIGINAL	DATE
SURVEY	BY
NOTE BOOK	
AREAS CHECKED	
NO.	

PLOT DATE = Thu Mar 22 14:41:35 2007  
 FILE NAME = c:\projects\p287486\c87486\sheet1.dwg  
 PLOT SCALE = 10.0000 / IN.  
 USER NAME = hennings





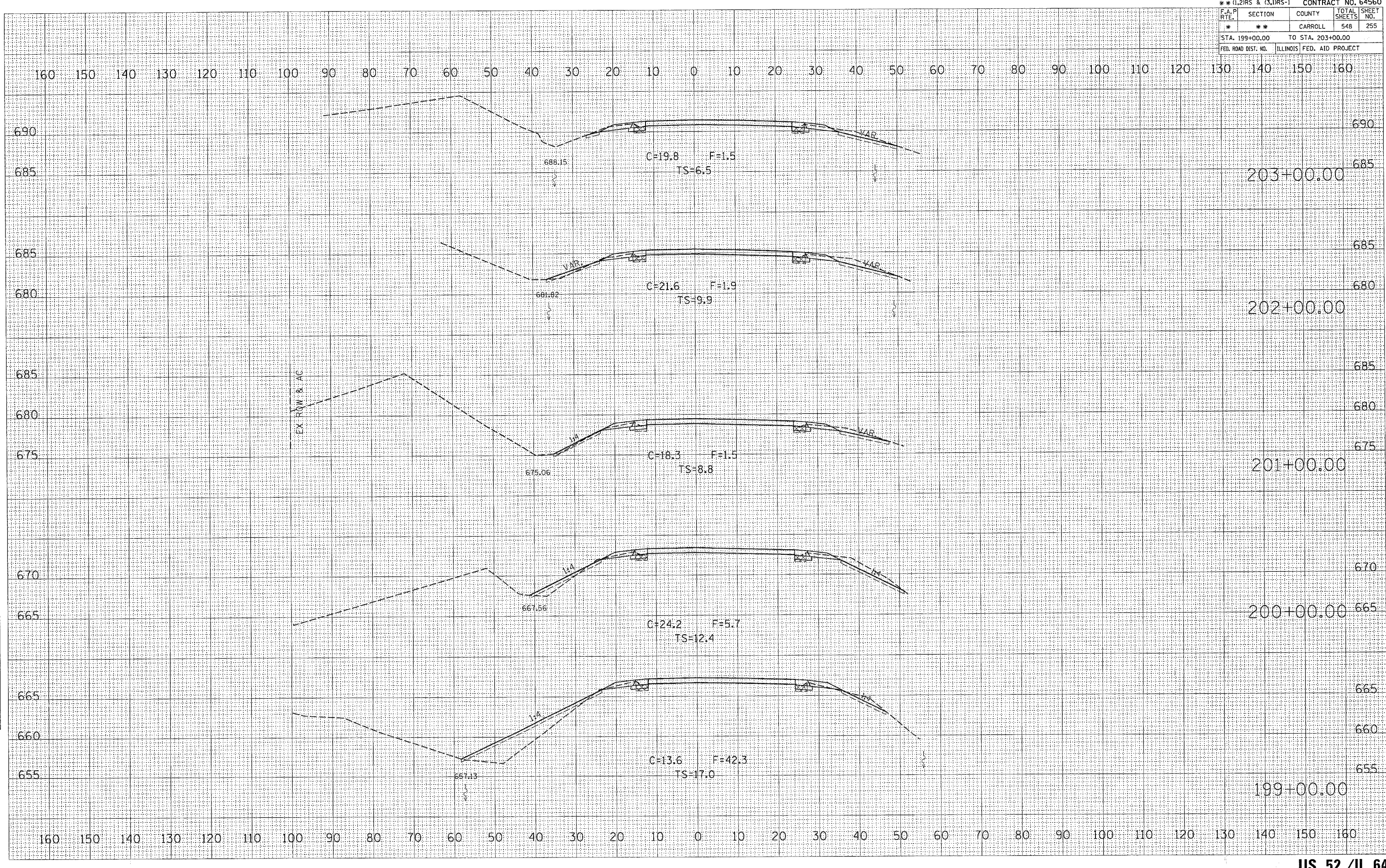




DATE \_\_\_\_\_ BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 ORIGINAL SURVEY \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_

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

PLOT DATE \* Thu Nov 22 14:01:36 2007  
 FILE NAME \* c:\projects\64560\17\1700\1700.dwg  
 PLOT SCALE \* 1/8"=1'-0" / IN.  
 USER NAME \* hms@ntk

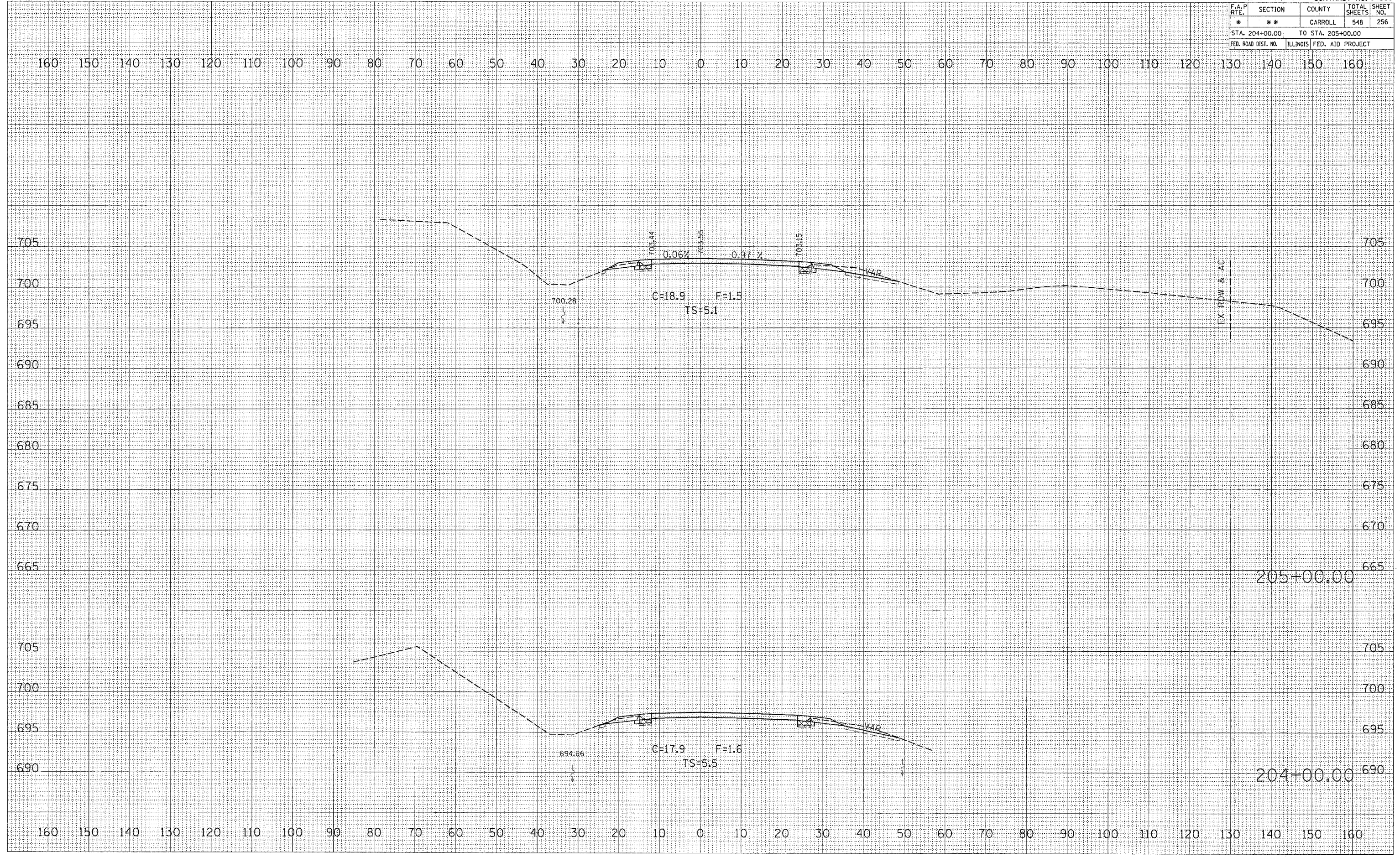


* ROUTE 17 (US 52 / IL 64)				
** (1,2)RS & (3,1)RS-1 CONTRACT NO. 64560				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	256
STA. 204+00.00 TO STA. 205+00.00				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

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

PLOT DATE \* Thu Mar 22 14:11:37 2007  
 FILE NAME \* c:\p\projects\207180\207180.dwg  
 PLOT SCALE \* 1/8" = 100'  
 USER NAME \* hennings



\* ROUTE 17 (US 52 / IL 64)  
 \*\* (1,2)RS & (3,4)RS-1 CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	257

STA. 206+00.00 TO STA. 206+00.00  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

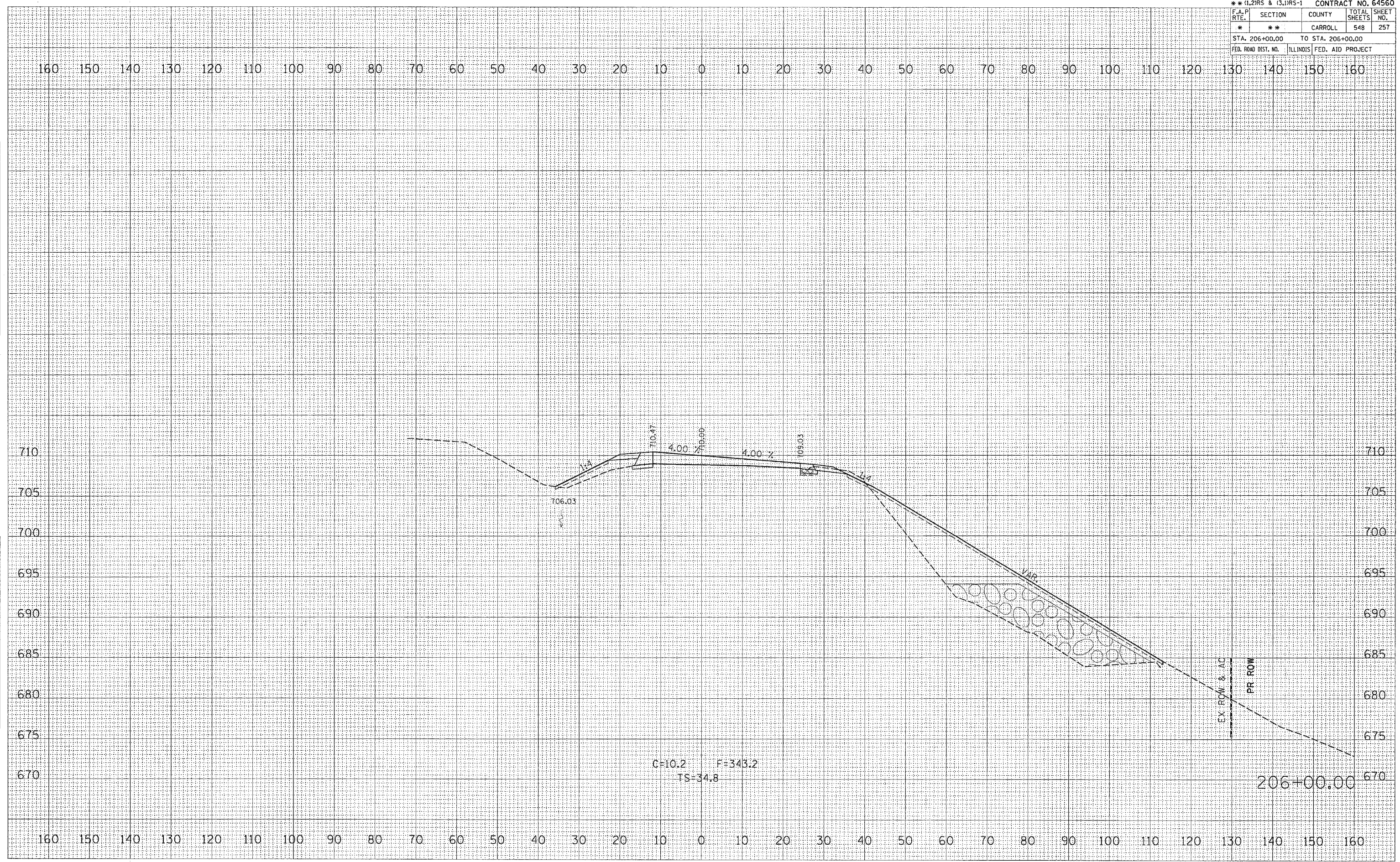
DATE: \_\_\_\_\_ BY: \_\_\_\_\_

FINAL SURVEY: \_\_\_\_\_  
 SURVEY: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 TEMPLATE: \_\_\_\_\_  
 AREAS: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_

ORIGINAL SURVEY: \_\_\_\_\_  
 SURVEY: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 TEMPLATE: \_\_\_\_\_  
 AREAS: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_

PLOT DATE: Thu Mar 22 14:41:38 2007  
 FILE NAME: c:\projects\2067400\07400.msh\10576.plt  
 PLOT SCALE: 1/8" = 1' IN.  
 USER NAME: hantoko

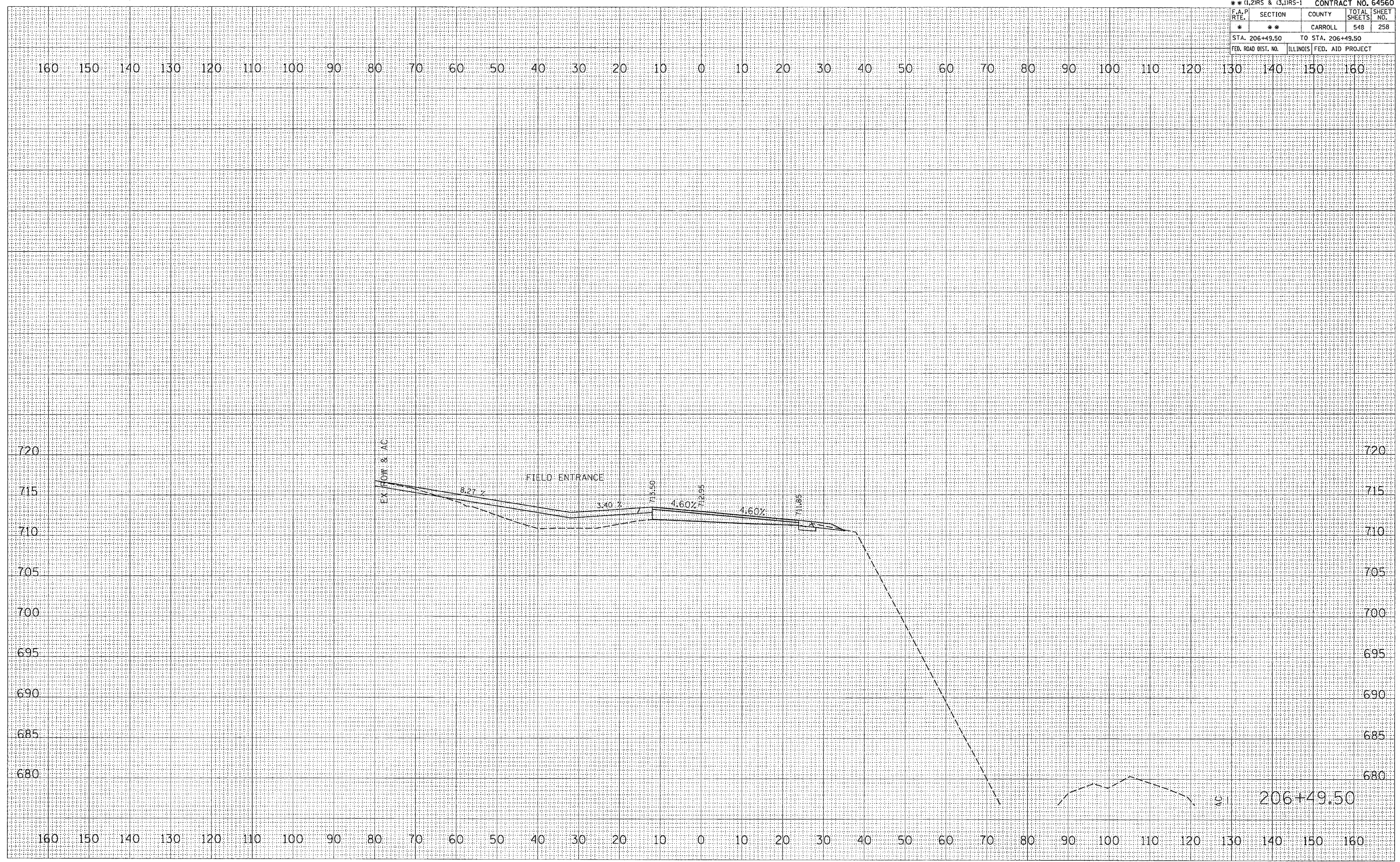


*ROUTE 17 (US 52 / IL 64)				
** (1,2RS & 13,1RS-1) CONTRACT NO. 64560				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	258
STA. 206+49.50 TO STA. 206+49.50				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

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

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

PLOT DATE = Thu Mar 22 14:41:38 2007  
 FILE NAME = c:\projects\207100\ad07100.mxd  
 PLOT SCALE = 1/8" = 1' / IN.  
 USER NAME = fannorke



\* ROUTE 17 (US 52 / IL 64)  
 \*\* (1,2)RS & (3,1)RS-1 CONTRACT NO. 64560

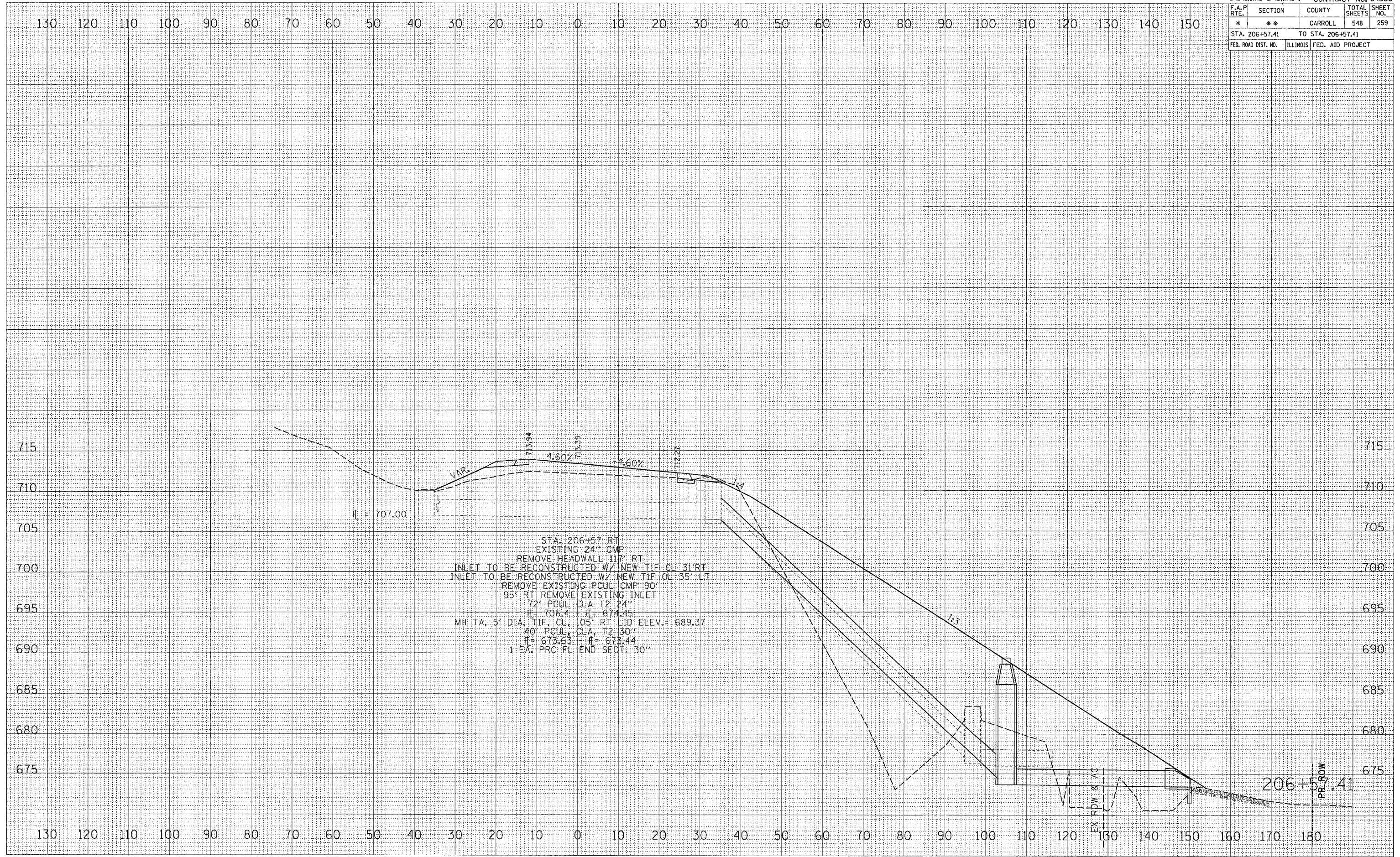
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	259

STA. 206+57.41 TO STA. 206+57.41  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

FINAL SURVEY	DATE
BY	
NO.	
AREAS CHECKED	
TEMP. DATE	
PLotted	
BOOK	

ORIGINAL SURVEY	DATE
BY	
NO.	
AREAS CHECKED	
TEMP. DATE	
PLotted	
BOOK	

PLOT DATE: Thu Mar 22 14:41:39 2007  
 FILE NAME: c:\proje\64560\207\408\c07408.mxd  
 PLOT SCALE: 1/8" = 1'-0"  
 USER NAME: jhennings



STA. 206+57.41 RT  
 EXISTING 24" CMP  
 REMOVE HEADWALL 117' RT  
 INLET TO BE RECONSTRUCTED W/ NEW TIF CL 31' RT  
 INLET TO BE RECONSTRUCTED W/ NEW TIF CL 35' LT  
 REMOVE EXISTING PCUL CMP 90'  
 95' RT REMOVE EXISTING INLET  
 72' PCUL, CLA, T2 24"  
 H = 706.4 T = 674.45  
 MH TA, 5' DIA, TIF, CL, 105' RT LID ELEV. = 689.37  
 40' PCUL, CLA, T2 30"  
 T = 673.63 H = 673.44  
 1 EA. PRC. FL. END SECT. 30"

\* ROUTE 17 (US 52 / IL 64)  
 \*\* (1,2)RS & (3,1)RS-1 CONTRACT NO. 64560

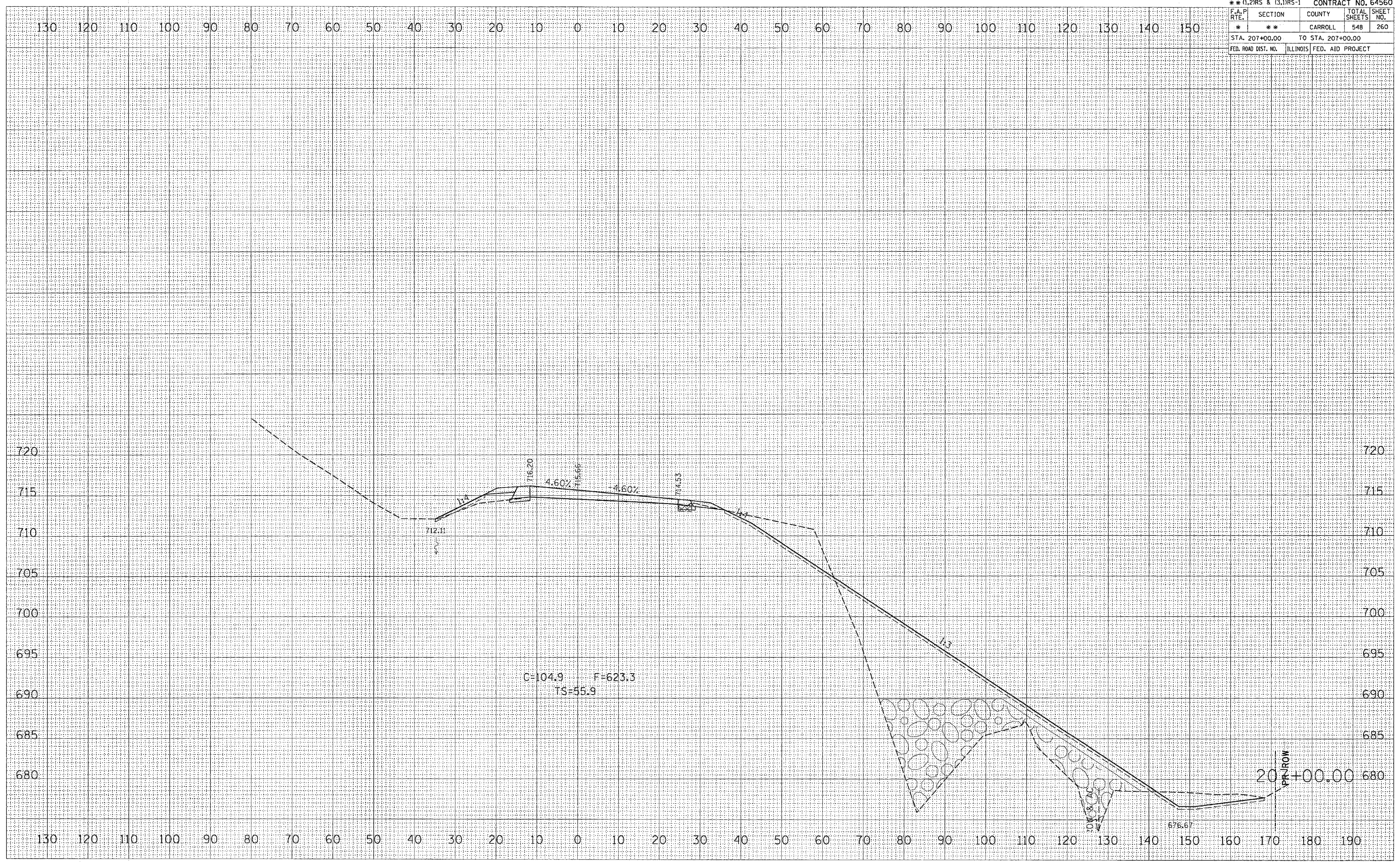
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	260

STA. 207+00.00 TO STA. 207+00.00  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 FINISHED SURVEY PLOTTED  
 NOTE BOOK TEMPLATE AREAS CHECKED

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 ORIGINAL SURVEY PLOTTED  
 NOTE BOOK TEMPLATE AREAS CHECKED

PLOT DATE = Thu Mar 22 14:41:39 2007  
 FILE NAME = c:\pwworkspace\207400\207400.dwg  
 PLOT SCALE = 1/8"=1'-0"  
 USER NAME = hns@hns.com

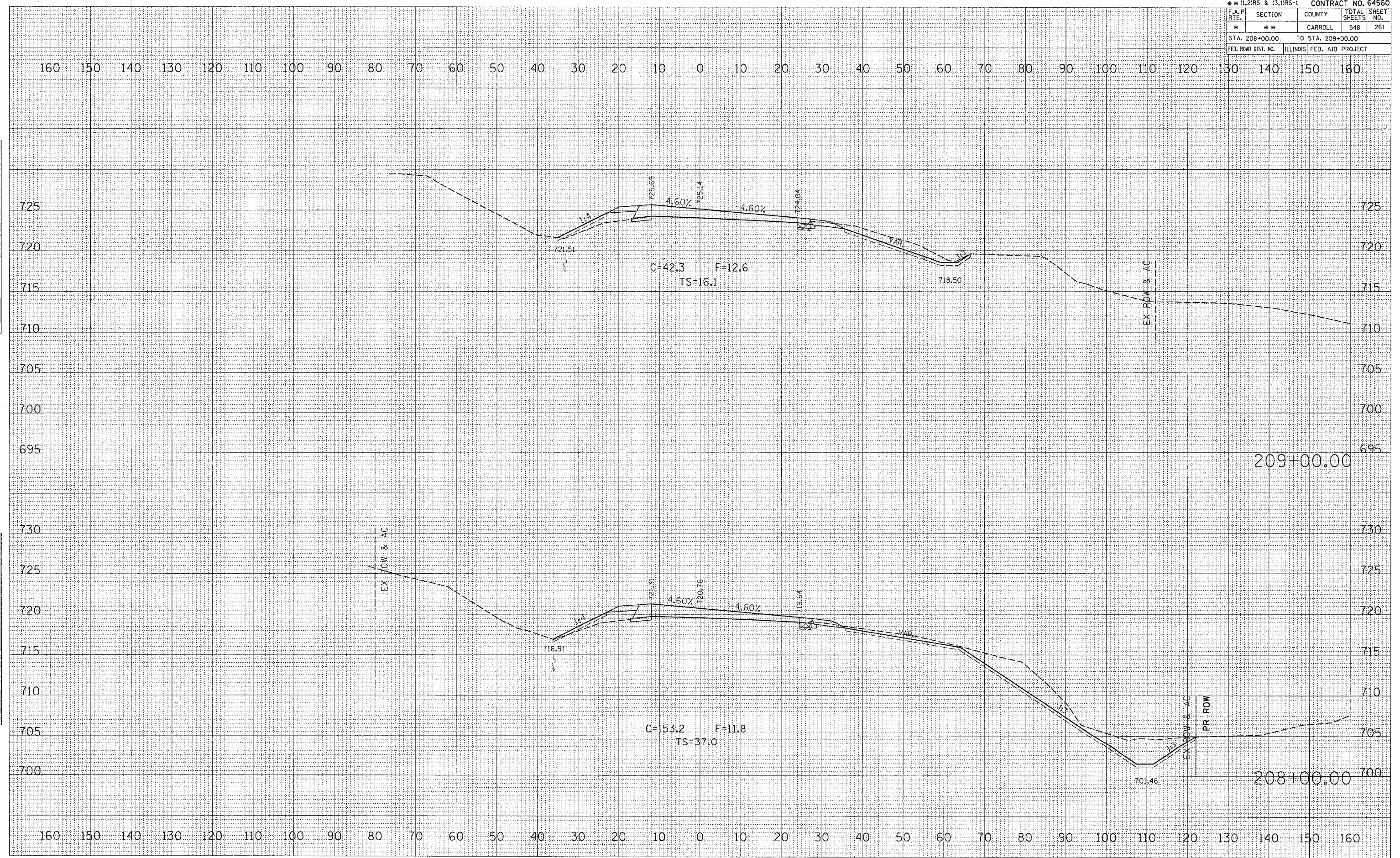




DATE	
BY	
FINAL SURVEY	
NOTED BOOK	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTED BOOK	
NO.	

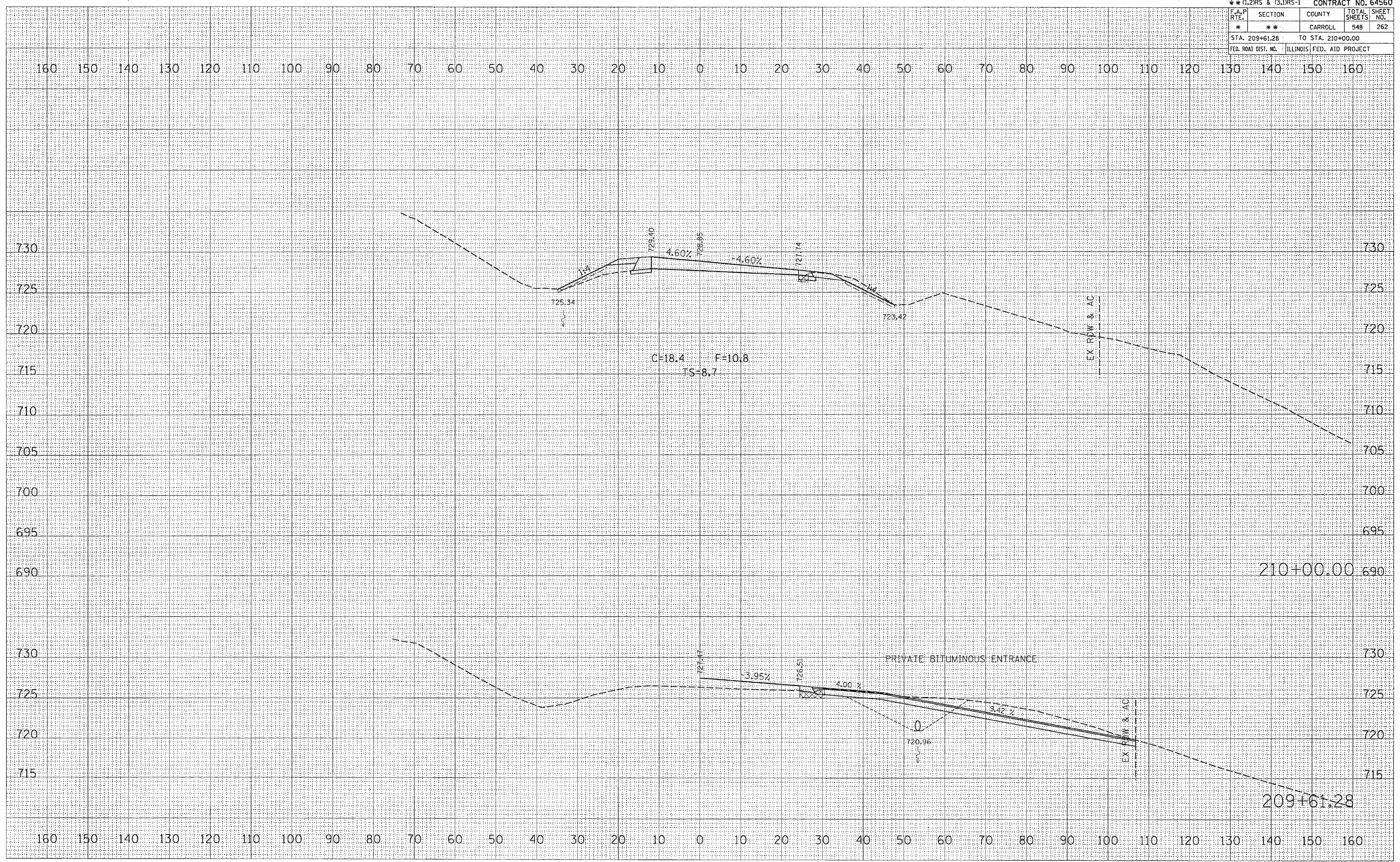
PLOT DATE = Thu Mar 22 14:41:08 2007  
 FILE NAME = c:\p\m\m\p\2074600\2074600.dwg  
 PLOT SCALE = 1/8" = 100'  
 USER NAME = harsanika



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

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

PLOT DATE: Thu Mar 22 14:41:40 2007  
 FILE NAME: c:\projects\207100\207100.mxd  
 USER: NAME: s:\hmn\k



\* ROUTE 17 (US 52 / IL 64)  
 \*\* (L2)RS & (L3)RS-1 CONTRACT NO. 64560

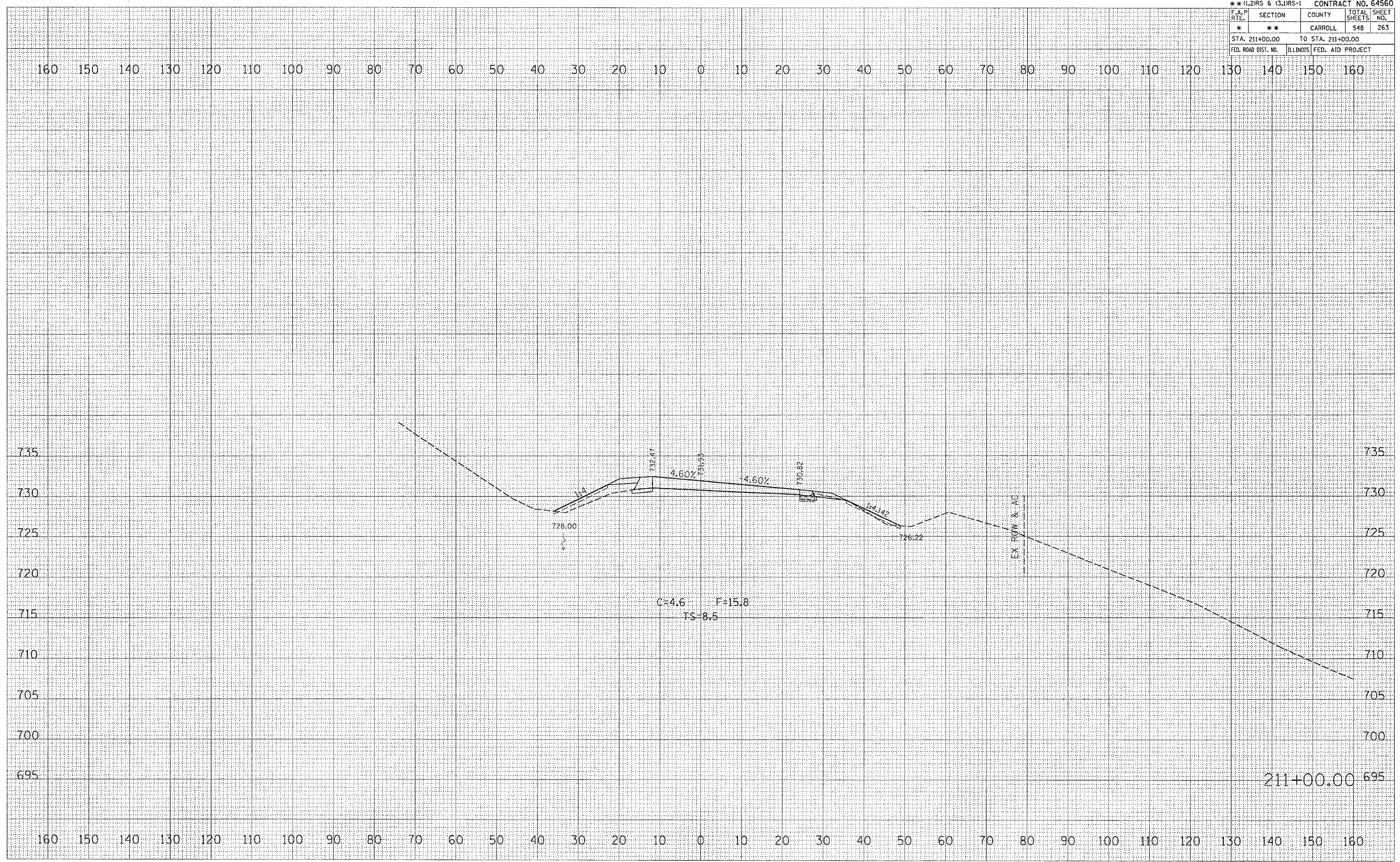
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	263

STA. 211+00.00 TO STA. 211+00.00  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

FINAL SURVEY	DATE
REVISIONS	BY
NO. DATE	
NO.	

ORIGINAL SURVEY	DATE
REVISIONS	BY
NO. DATE	
NO.	

PLOT DATE : Thu Mar 22 14:41:41 2007  
 FILE NAME : c:\p\projects\207180\180180.mpl  
 PLOT SCALE : 1/8"=1'-0"  
 USER NAME : hmsb

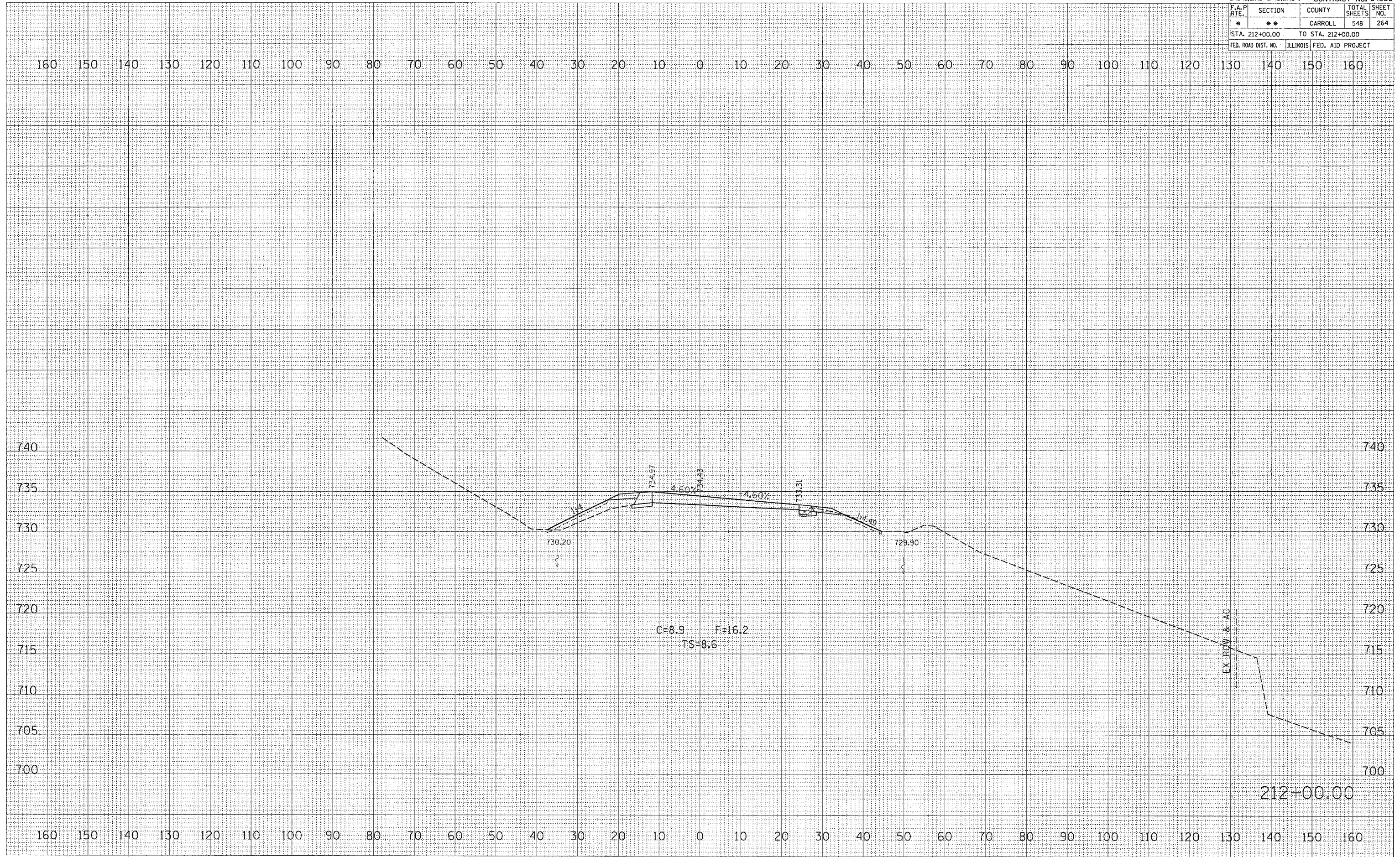


* ROUTE 17 (US 52 / IL 64)				
** (1.2)RS & (3.1)RS-1 CONTRACT NO. 64560				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	264
STA. 212+00.00		TO STA. 212+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINISH	SURVEY	BY	DATE
NO.	NO.		
NO.	NO.		
NO.	NO.		

ORIGINAL	SURVEY	BY	DATE
NO.	NO.		
NO.	NO.		
NO.	NO.		

PLOT DATE = Thu Mar 22 14:41:41 2007  
 FILE NAME = c:\p\projects\207480\ub7480.mxd  
 PLOT SCALE = 1/8"=1'-0"  
 USER NAME = hennings













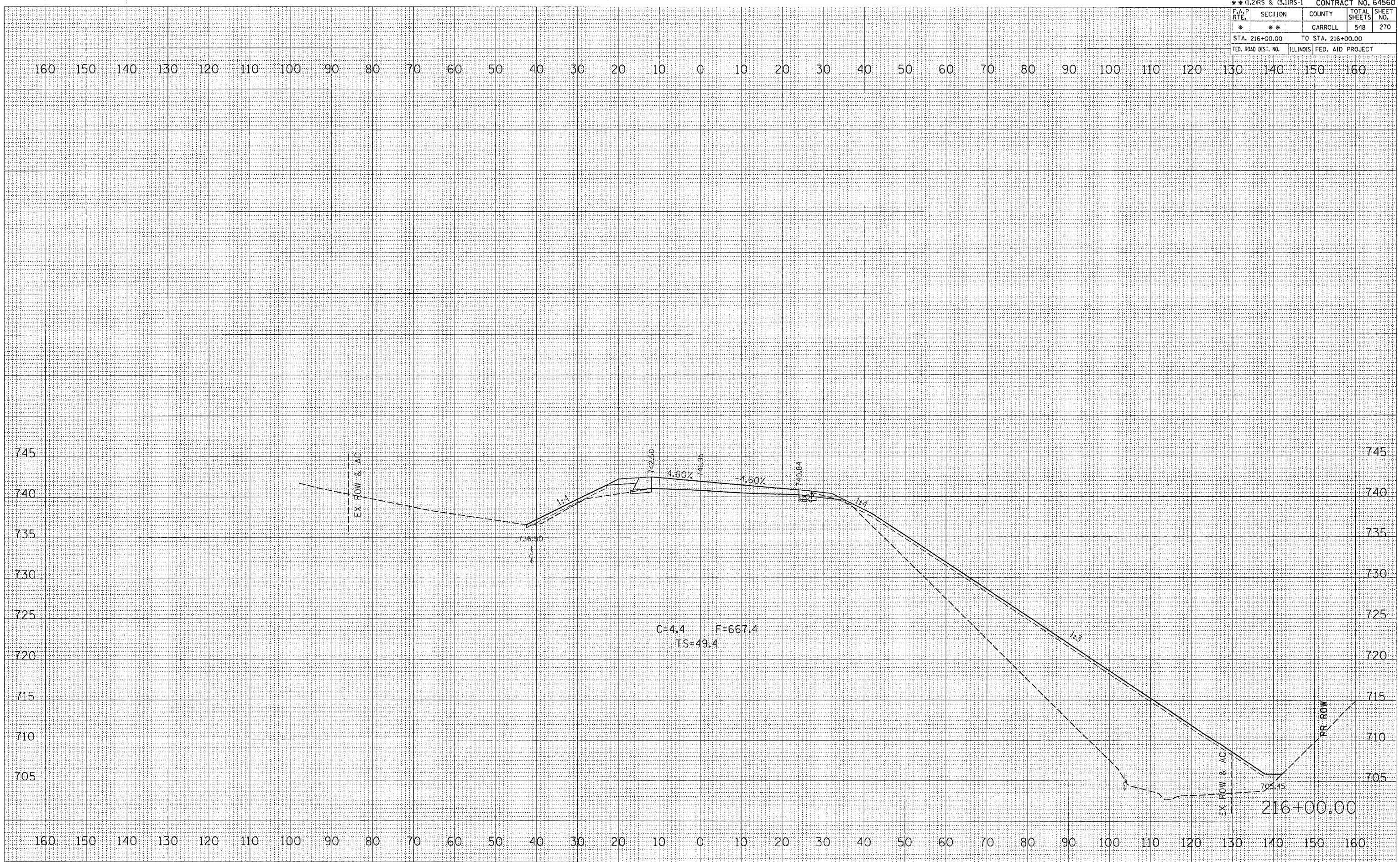


* ROUTE 17 (US 52 / IL 64)				
** (1,2)RS & (3,1)RS-1			CONTRACT NO. 64560	
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	270
STA. 216+00.00 TO STA. 216+00.00				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

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

PLOT DATE = Thu Mar 22 14:41:44 2007  
 PLOT SCALE = 1/8"=20' (1/8"=20' 1/4"=40')





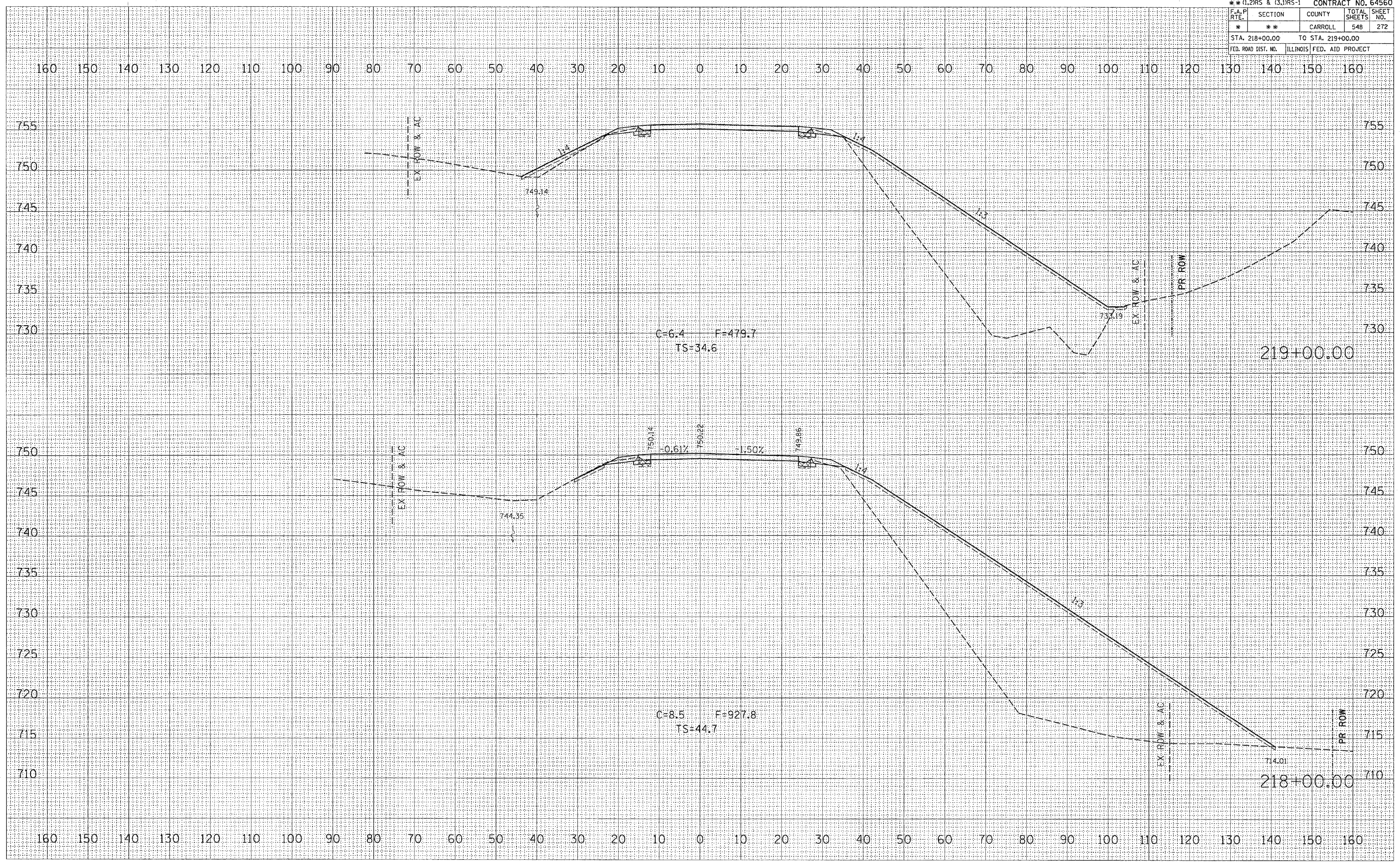
\* ROUTE 17 (US 52 / IL 64)  
 \*\* (1,2)RS & (3,1)RS-1 CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	272
STA. 218+00.00 TO STA. 219+00.00				
FED. ROAD DIST. NO. ILLINOIS			FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
NOTED SURVEY	
PLATE	
AREAS	
CHECKED	
US.	

DATE	
BY	
ORIGINAL SURVEY	
NOTED SURVEY	
PLATE	
AREAS	
CHECKED	
US.	

PLOT DATE: Thu Mar 22 14:41:45 2007  
 FILE NAME: c:\projects\1207408\1207408.mxd  
 PLOT SCALE: 1/8" = 10.0000' / IN.  
 USER NAME: jhennings

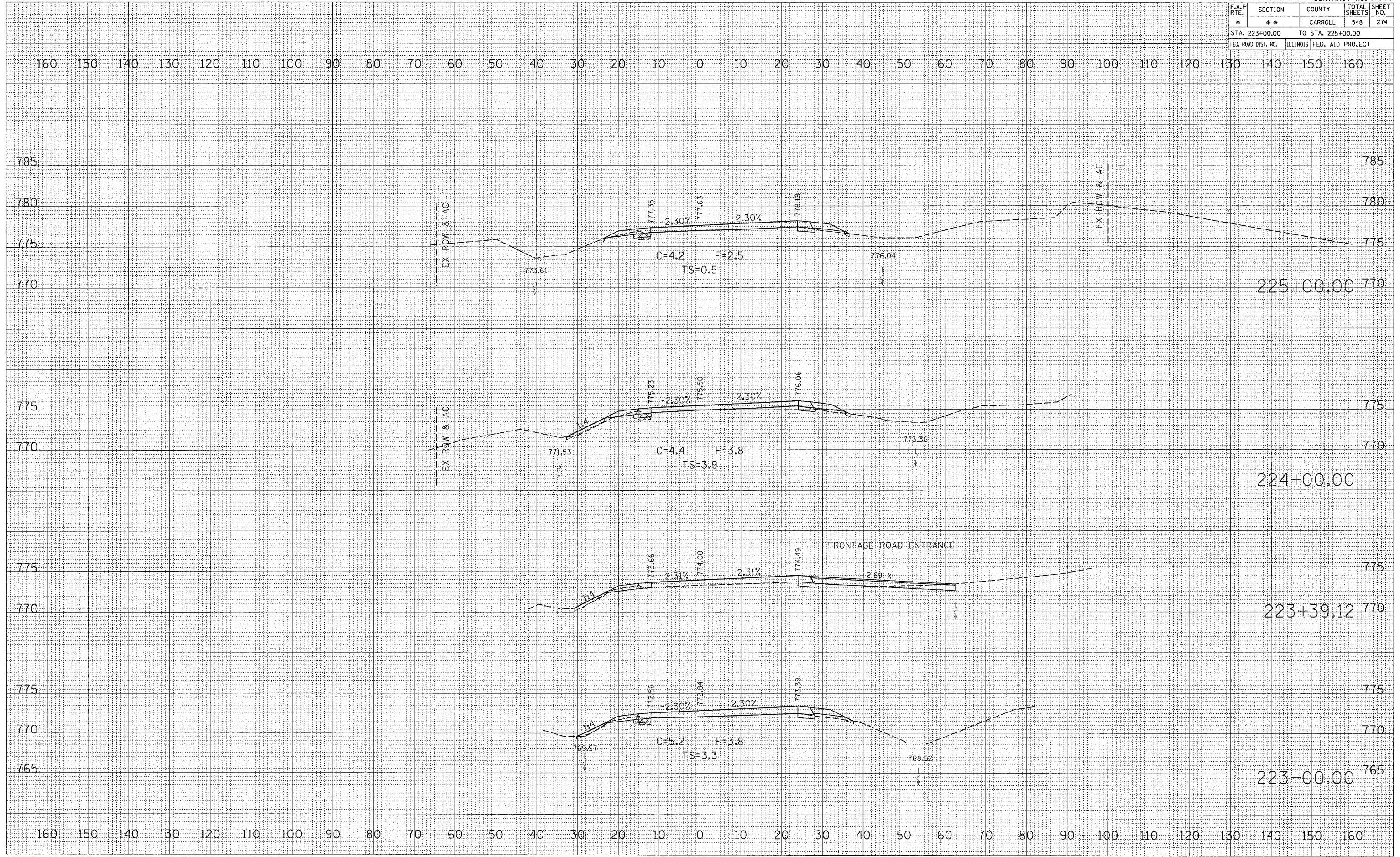




FINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
REVISIONS	
NOTE BOOK	
AREAS CHECKED	
US	

ORIGINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
REVISIONS	
NOTE BOOK	
AREAS CHECKED	
US	

PLOT DATE = Thu Mar 22 14:41:46 2007  
 FILE NAME = c:\projetus\207488\207488.mxd  
 PLOT SCALE = 1/8"=1'-0"  
 USER NAME = hnmwks

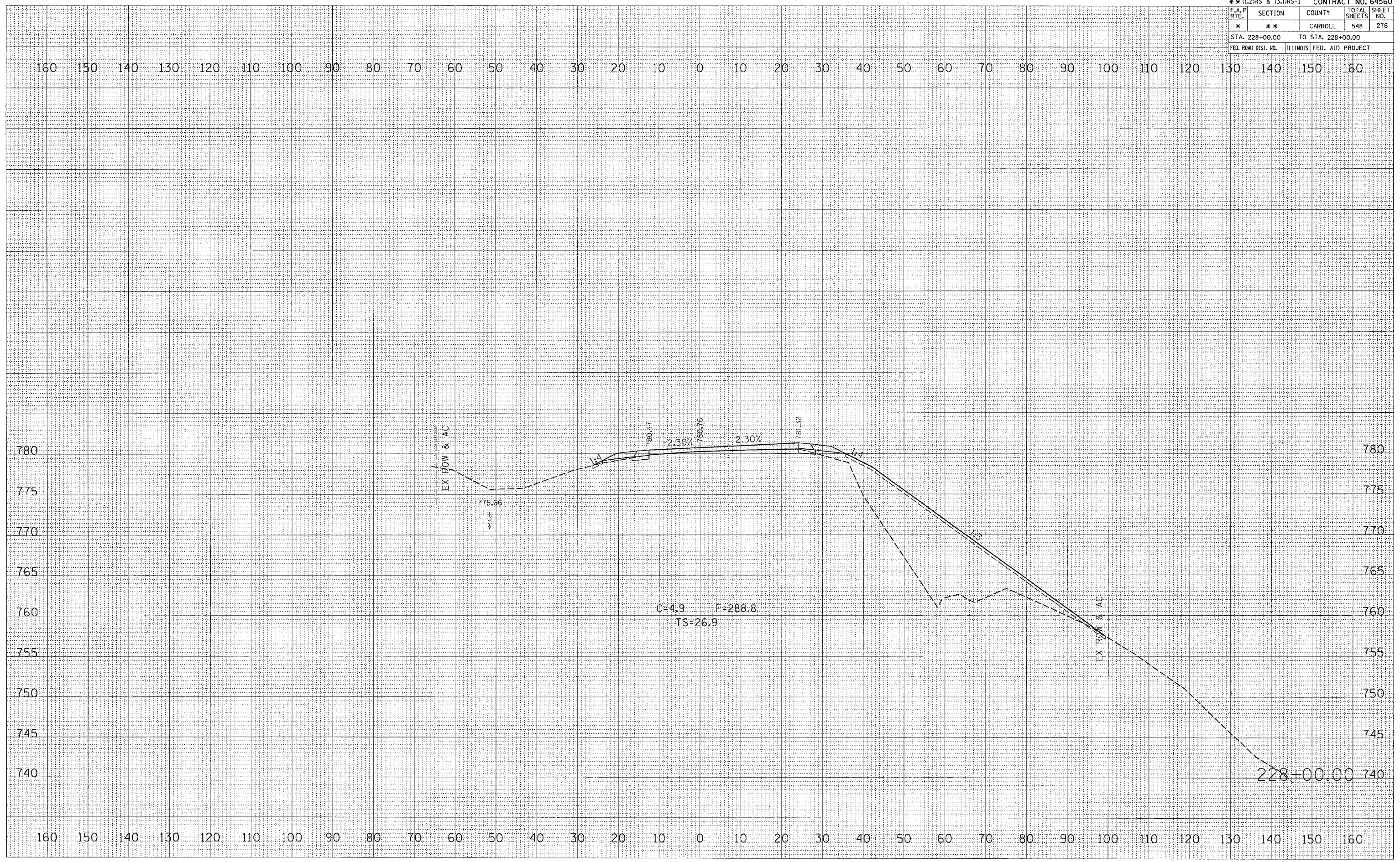




DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 FINISHED SURVEY NOTE BOOK NO. \_\_\_\_\_  
 CORRECTED PLOTTED AREAS CHECKED

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 ORIGINAL SURVEY NOTE BOOK NO. \_\_\_\_\_  
 CORRECTED PLOTTED AREAS CHECKED

PLOT DATE = Thu Mar 22 14:41:47 2007  
 FILE NAME = s:\projects\14287489\14287489.dwg  
 PLOT SCALE = 0.0000 / IN.  
 USER NAME = jharriso







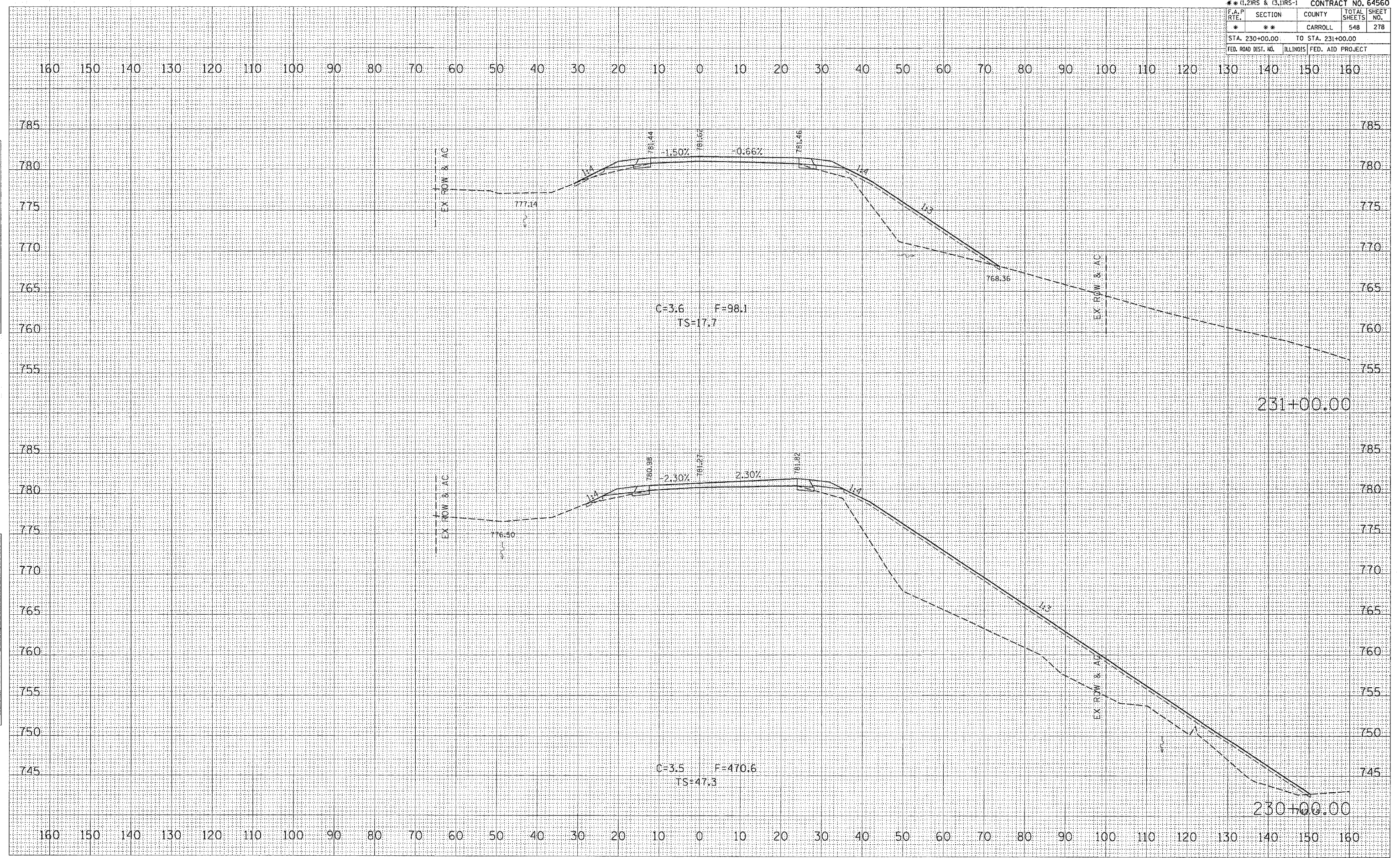
\* ROUTE 17 (US 52 / IL 64)  
 \*\* (1,2)RS & (3,1)RS-1 CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	**	CARROLL	548	278
STA. 230+00.00		TO STA. 231+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

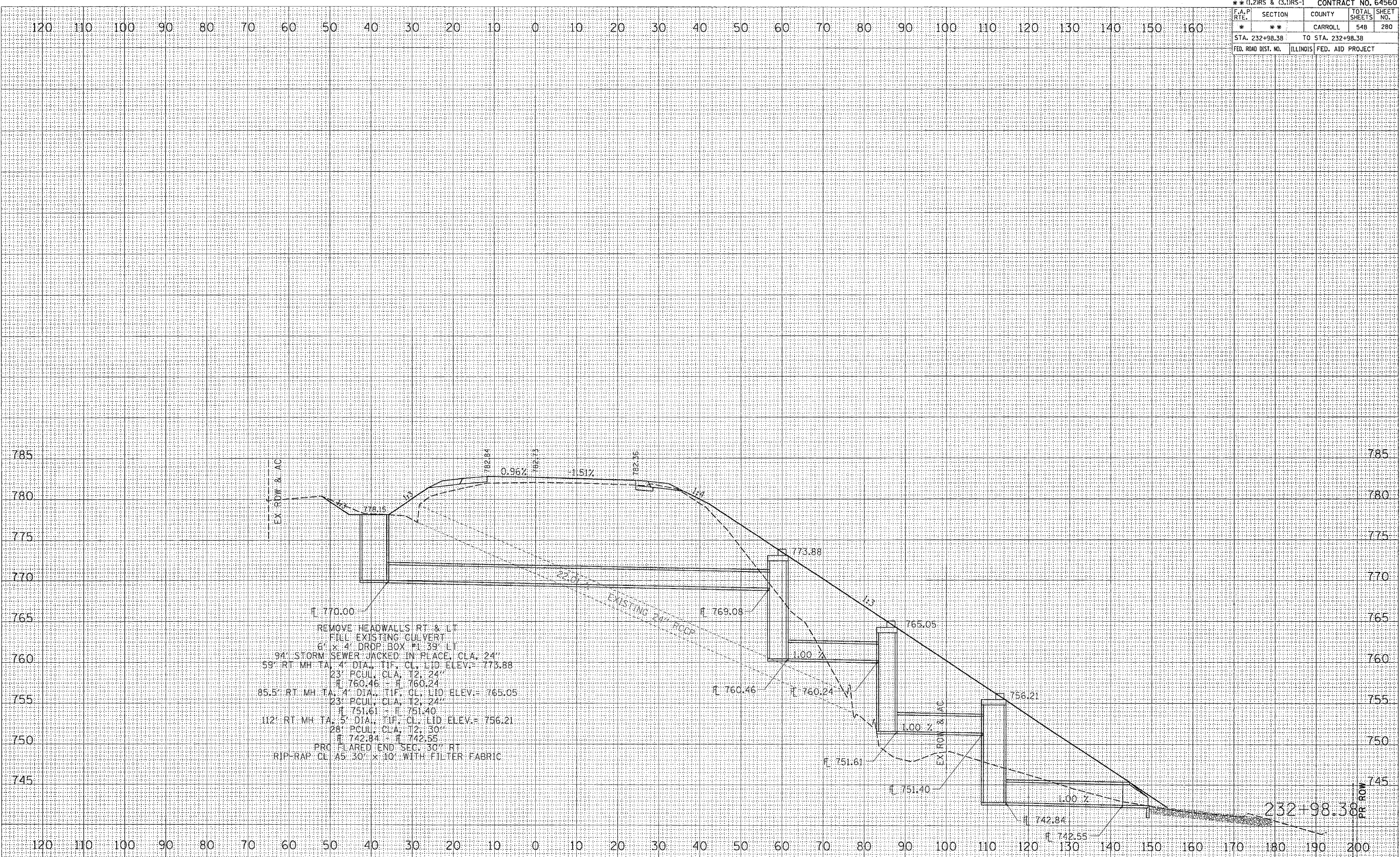
PLOT DATE = Thu Mar 22 14:41:48 2007  
 FILE NAME = c:\pvs\pvs1\p2307480\187480\187480.dwg  
 PLOT SCALE = 10.0000 / in.  
 USER NAME = hansonke





\* ROUTE 17 (US 52 / IL 64)  
 \*\* (1,2)RS & (3,1)RS-1 CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	**	CARROLL	548	280
STA. 232+98.38		TO STA. 232+98.38		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



REMOVE HEADWALLS RT & LT  
 FILL EXISTING CULVERT  
 6' x 4' DROP BOX F1 39' LI  
 94' STORM SEWER JACKED IN PLACE, CLA. 24"  
 59' RT MH TA, 4' DIA., TIF, CL, LID ELEV.= 773.88  
 23' PCUL, CLA, T2, 24"  
 F 760.46 - F 760.24  
 85.5' RT MH TA, 4' DIA., TIF, CL, LID ELEV.= 765.05  
 23' PCUL, CLA, T2, 24"  
 F 751.61 - F 751.40  
 112' RT MH TA, 5' DIA., TIF, CL, LID ELEV.= 756.21  
 28' PCUL, CLA, T2, 30"  
 F 742.84 - F 742.55  
 PRO FLARED END SEC. 30" RT  
 RIP-RAP CL AS 30' x 10' WITH FILTER FABRIC

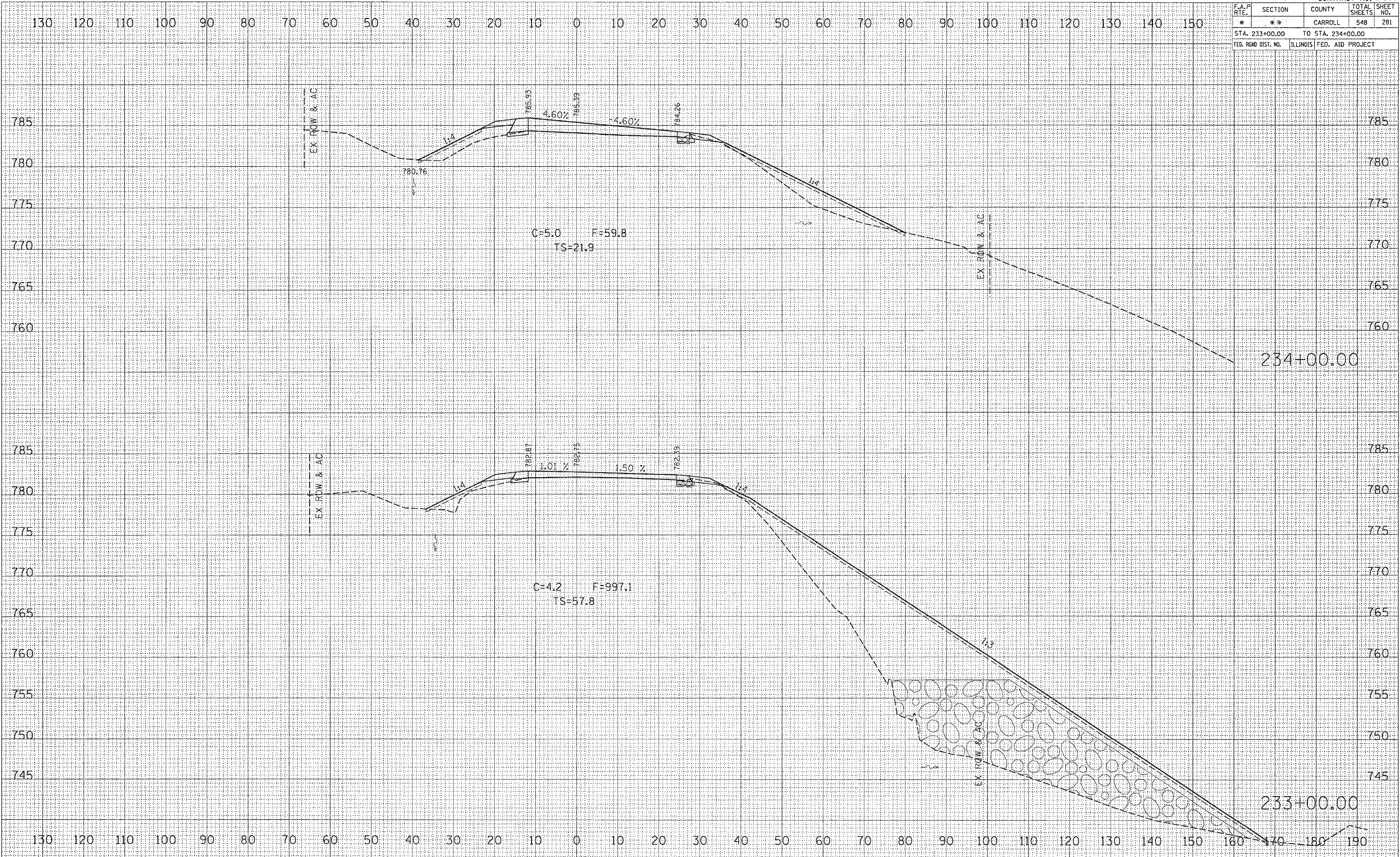
FINAL SURVEY

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

PLOT DATE = Thu Mar 22 14:41:49 2007  
 FILE NAME = c:\pcc\pccs207\680\_387\880.mxd  
 PLOT SCALE = 1/8"=1'-0"  
 USER NAME = harscoke



FINAL SURVEY

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

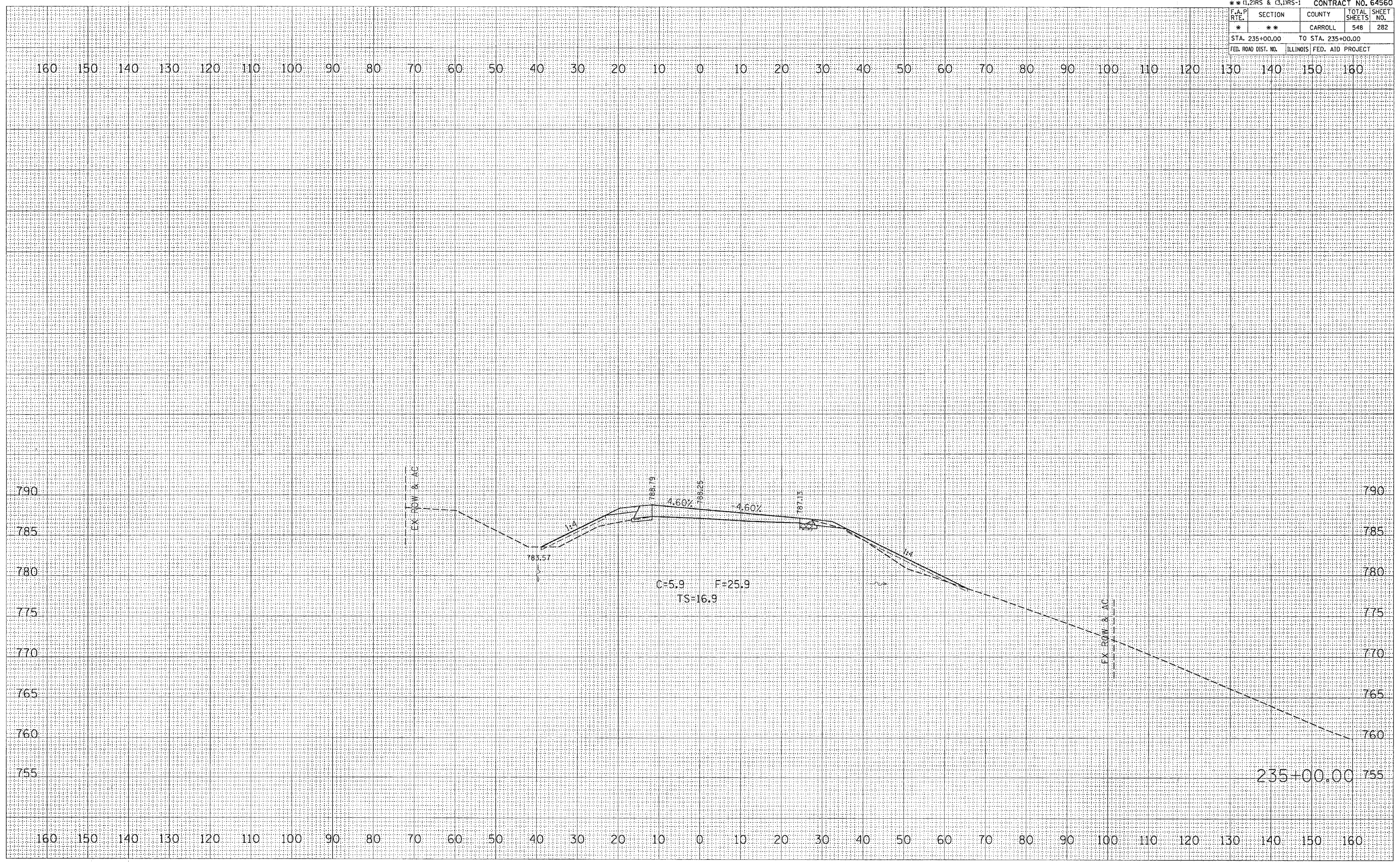
PLOT DATE = Thu Mar 22 14:41:59 2007  
 FILE NAME = e:\vnc\mss\207480\207480.dwg  
 PLOT SCALE = 12.0000 / IN.  
 USER NAME = hnsnake

* ROUTE 17 (US 52 / IL 64)			
** (1,2)RS & (3,1)RS-1 CONTRACT NO. 64560			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
*	**	CARROLL	548
STA. 235+00.00		TO STA. 235+00.00	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	

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

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

PLOT DATE : Thu Mar 22 14:41:50 2007  
 FILE NAME : c:\pcc\jacob\2357489\d07489.mxd  
 SCALE : 1/8" = 100'  
 USER NAME : jacob





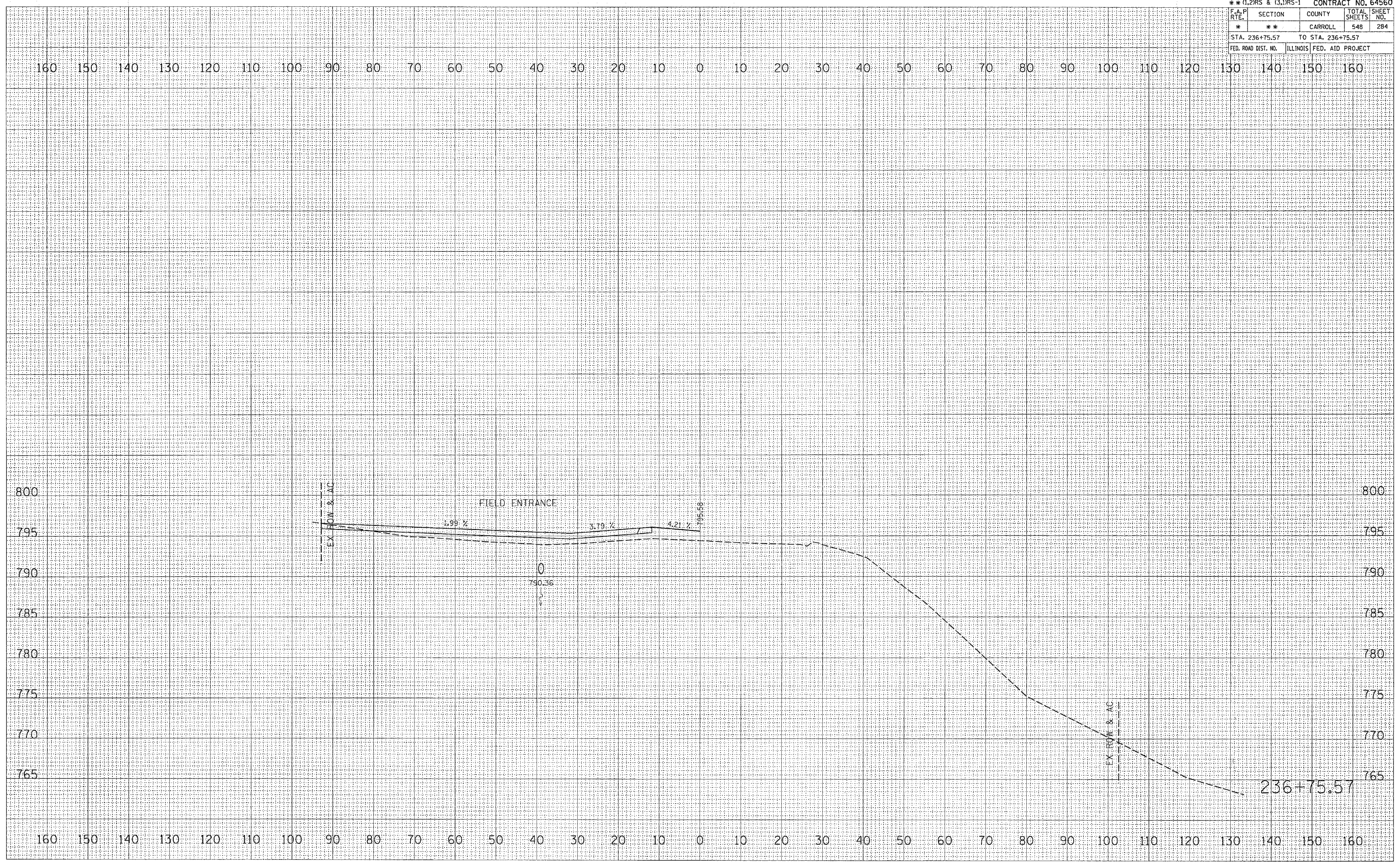
\* ROUTE 17 (US 52 / IL 64)  
 \*\* (1,2)RS & (3,1)RS-1 CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	284
STA. 236+75.57		TO STA. 236+75.57		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

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

PLOT DATE : Thu Mar 22 14:41:51 2007  
 FILE NAME : c:\p\proj\us 52\74.00\c07400.mxd  
 PLOT SCALE : 1/8" = 100'  
 USER NAME : ryan@...



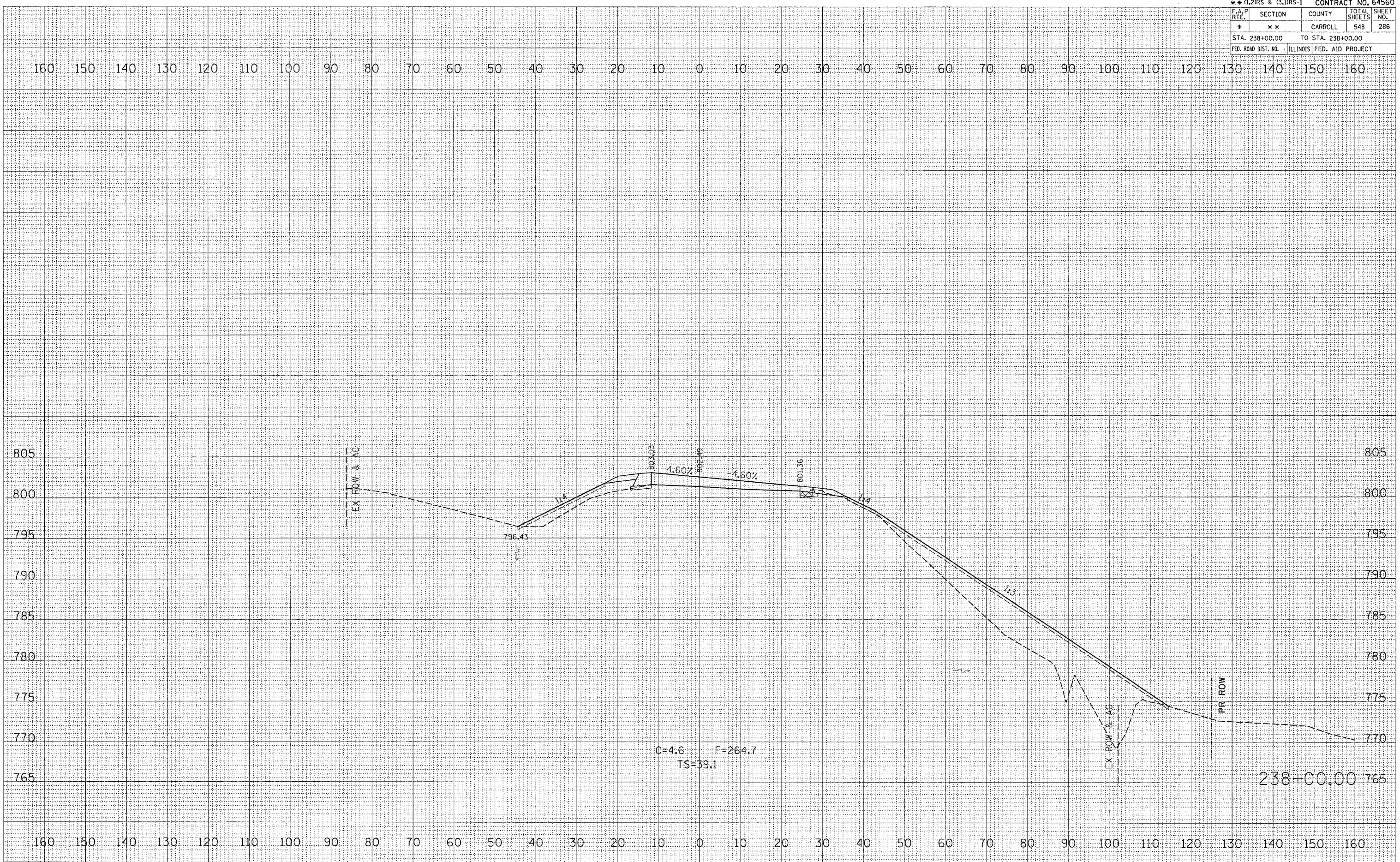




DATE	
BY	
FINISHED SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

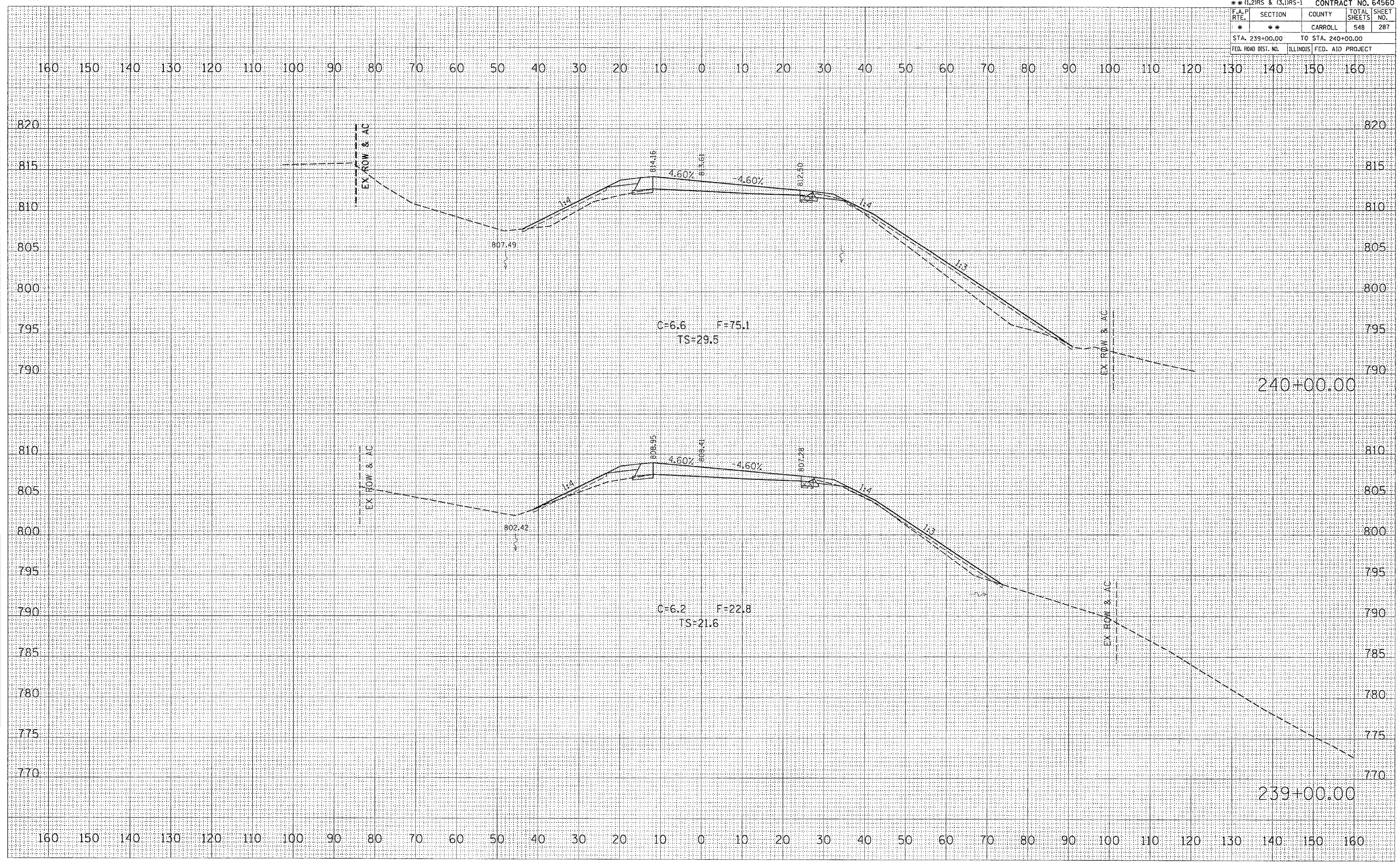
PLOT DATE = Thu Mar 25 14:44:52 2007  
 PLOT SCALE = 1/8" = 20' / IN.  
 USER NAME = hansenk



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

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

PLOT DATE = Thu Mar 22 14:14:53 2007  
 FILE NAME = c:\p\projects\207400\107400.mxd  
 PLOT SCALE = 1/8" = 100'  
 USER NAME = hennings



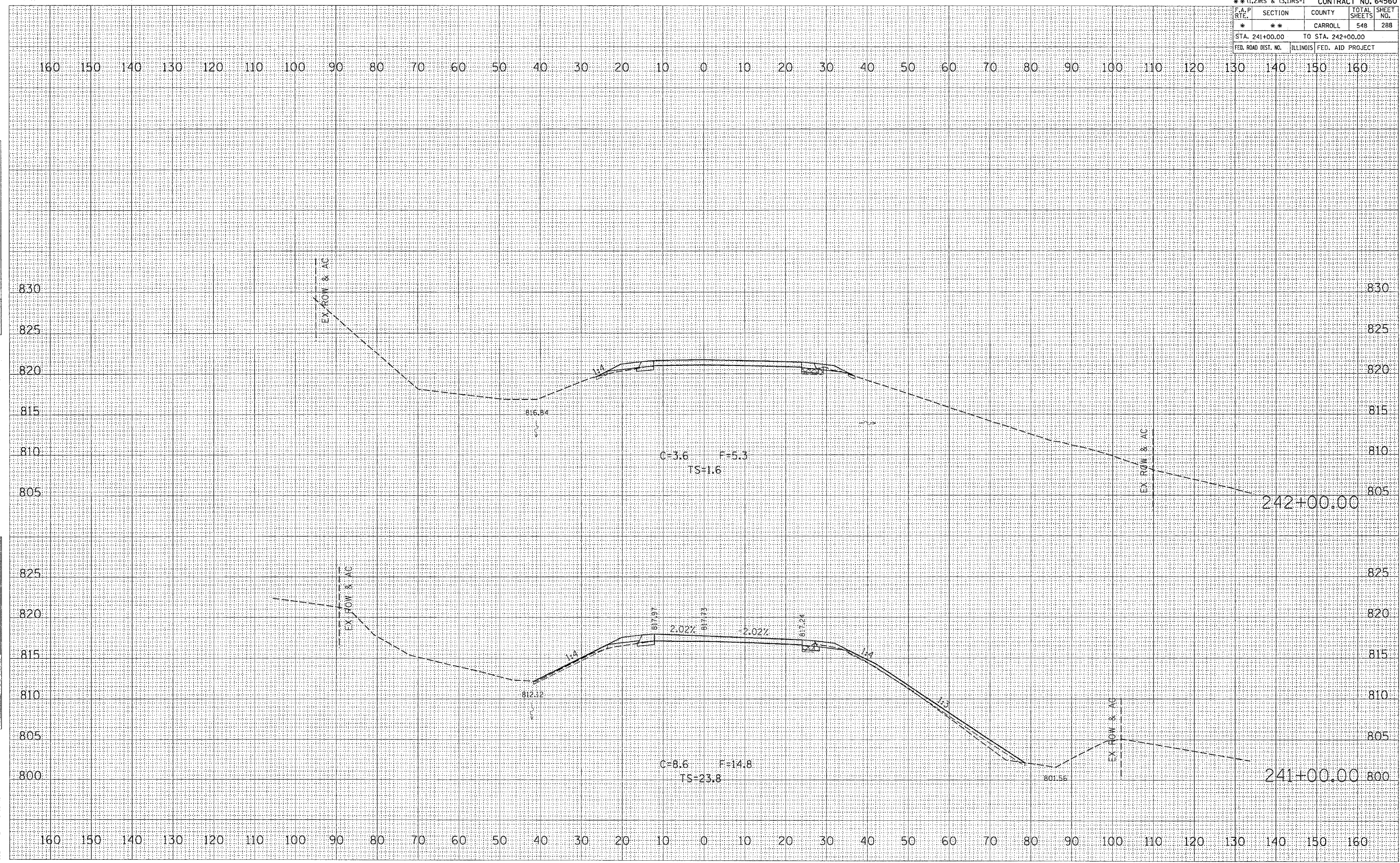
\* ROUTE 17 (US 52 / IL 64)  
 \*\* (1,2)RS & (3,1)RS-1 CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	288
STA. 241+00.00		TO STA. 242+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	
BY	
FINAL SURVEY	
NOTED	
NO. OF AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NO. OF AREAS CHECKED	

PLOT DATE = Thu Mar 23 14:41:53 2007  
 FILE NAME = c:\pws\msh\p207480\207480.msh\p207480.plt  
 PLOT SCALE = 10.00000 / In.  
 USER NAME = harsanika

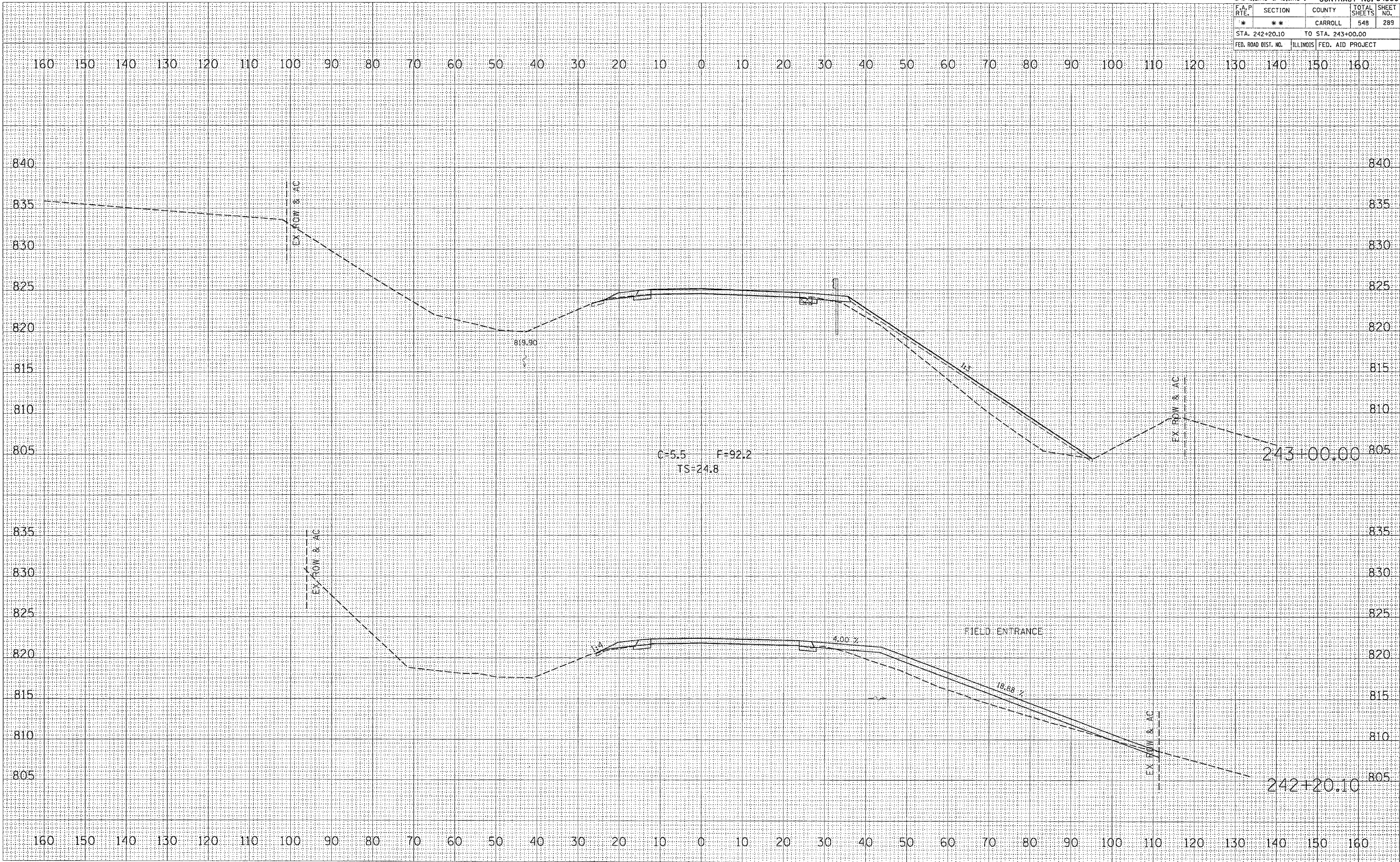


* ROUTE 17 (US 52 / IL 64)			
** (1,2)RS & (3,1)RS-1		CONTRACT NO. 64560	
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
*	**	CARROLL	548
STA. 242+20.10		TO STA. 243+00.00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

DATE	BY
SURVEYED	PLOTTED
NO. _____	NO. _____
AREAS CHECKED	AREAS CHECKED

DATE	BY
SURVEYED	PLOTTED
NO. _____	NO. _____
AREAS CHECKED	AREAS CHECKED

PLOT DATE: Thu Mar 22 14:41:54 2007  
 FILE NAME: 242+20.10-243+00.00.dwg  
 PLOT SCALE: 1/8" = 100'  
 USER NAME: hnsnake



\* ROUTE 17 (US 52 / IL 64)  
 \*\* (1,2)RS & (3,1)RS-1 CONTRACT NO. 64560

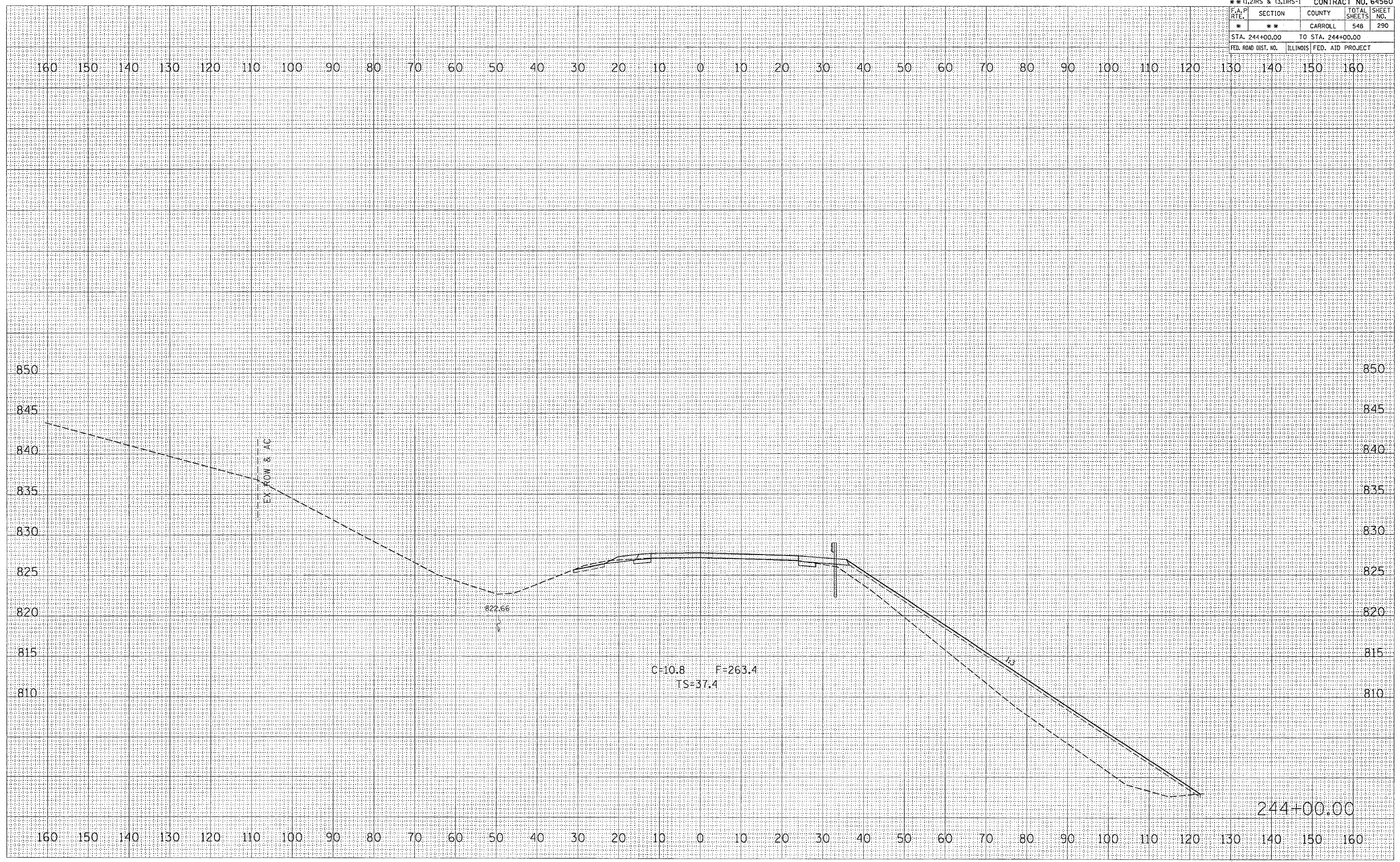
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	290

STA. 244+00.00 TO STA. 244+00.00  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

DATE	
BY	
REVISIONS	
NOTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
REVISIONS	
NOTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

PLOT DATE = Thu Mar 22 14:11:55 2007  
 FILE NAME = c:\pvc\projects\p207489\ad07489\main\14560.dwg  
 PLOT SCALE = 0.0000 / IN.  
 USER NAME = hennings



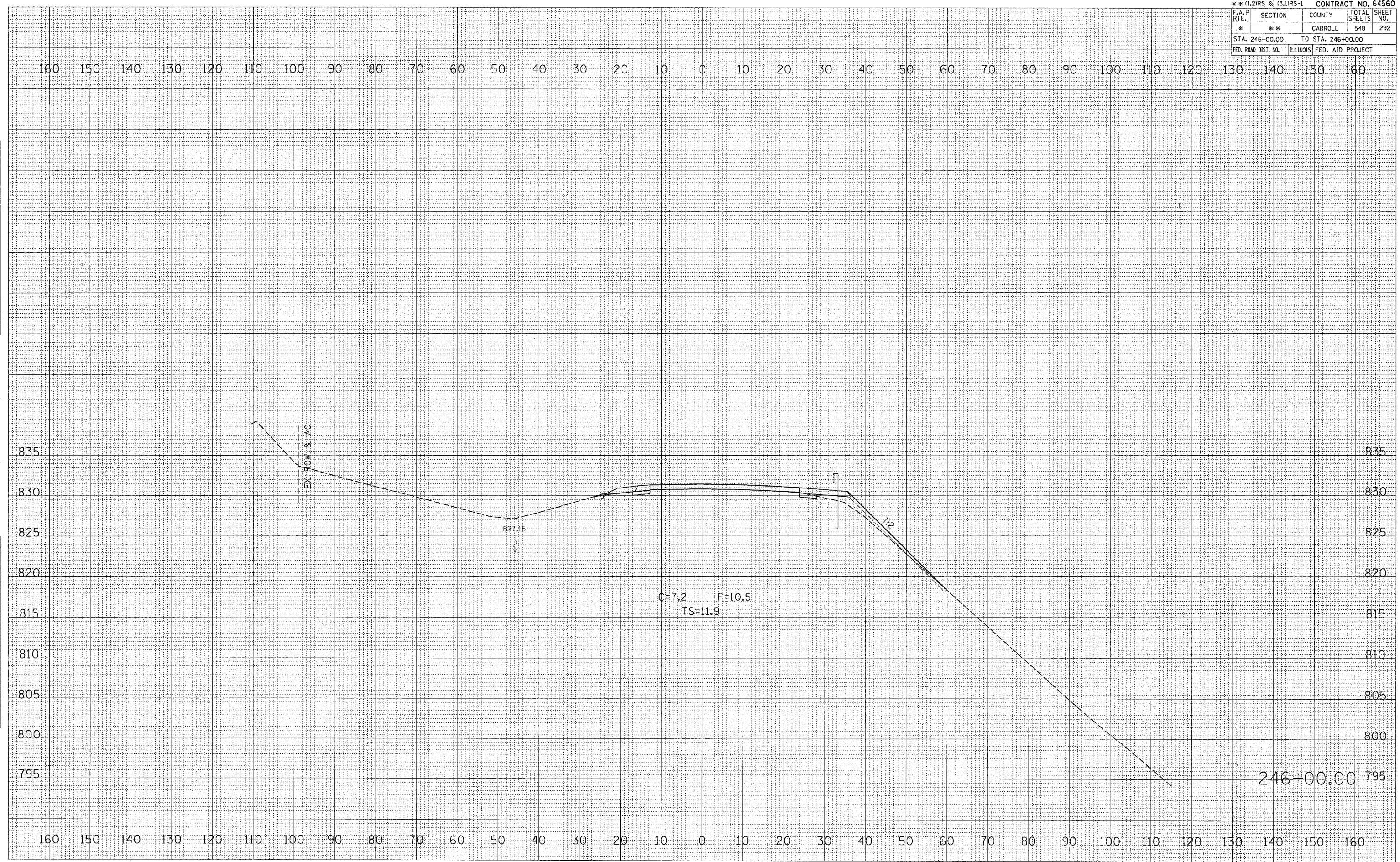


* ROUTE 17 (US 52 / IL 64)				
** (1,2)RS & (3,1)RS-1		CONTRACT NO. 64560		
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	292
STA. 246+00.00		TO STA. 246+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	BY	DATE
NOTE BOOK		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
NOTE BOOK		
AREAS CHECKED		
NO.		

PLOT DATE = Thu Nov 22 14:01:56 2007  
 FILE NAME = c:\projects\246+00-00\107400.mxd  
 PLOT SCALE = 1/8"=1'-0"  
 USER NAME = hmancke









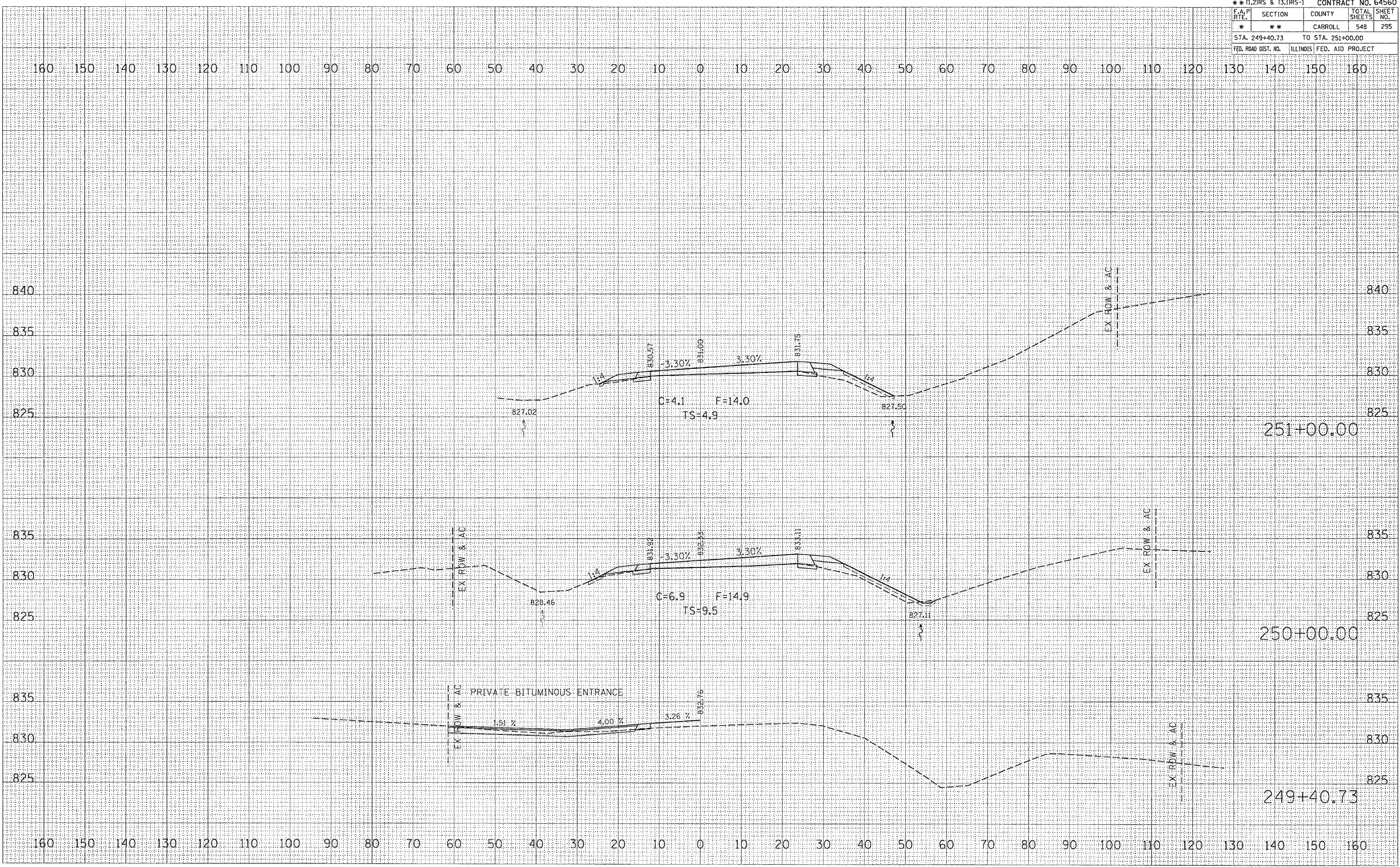
DATE	BY

NO.	
AREAS CHECKED	
AREAS	
DATE	
PLOTTED	
BY	
NO.	

DATE	BY

NO.	
AREAS CHECKED	
AREAS	
DATE	
PLOTTED	
BY	
NO.	

PLT DATE: Thu Mar 22 14:45:57 2007  
 FILE NAME: c:\p207\60\64560\msh\p20760\p20760.dwg  
 PLOT SCALE: 1/8"=1'-0"  
 USER NAME: hmanorke









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

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

PLOT DATE = Thu Mar 22 14:45:00 2007  
 PLOT NAME = c:\projects\12074100\12074100.dwg  
 USER NAME = harscoke

