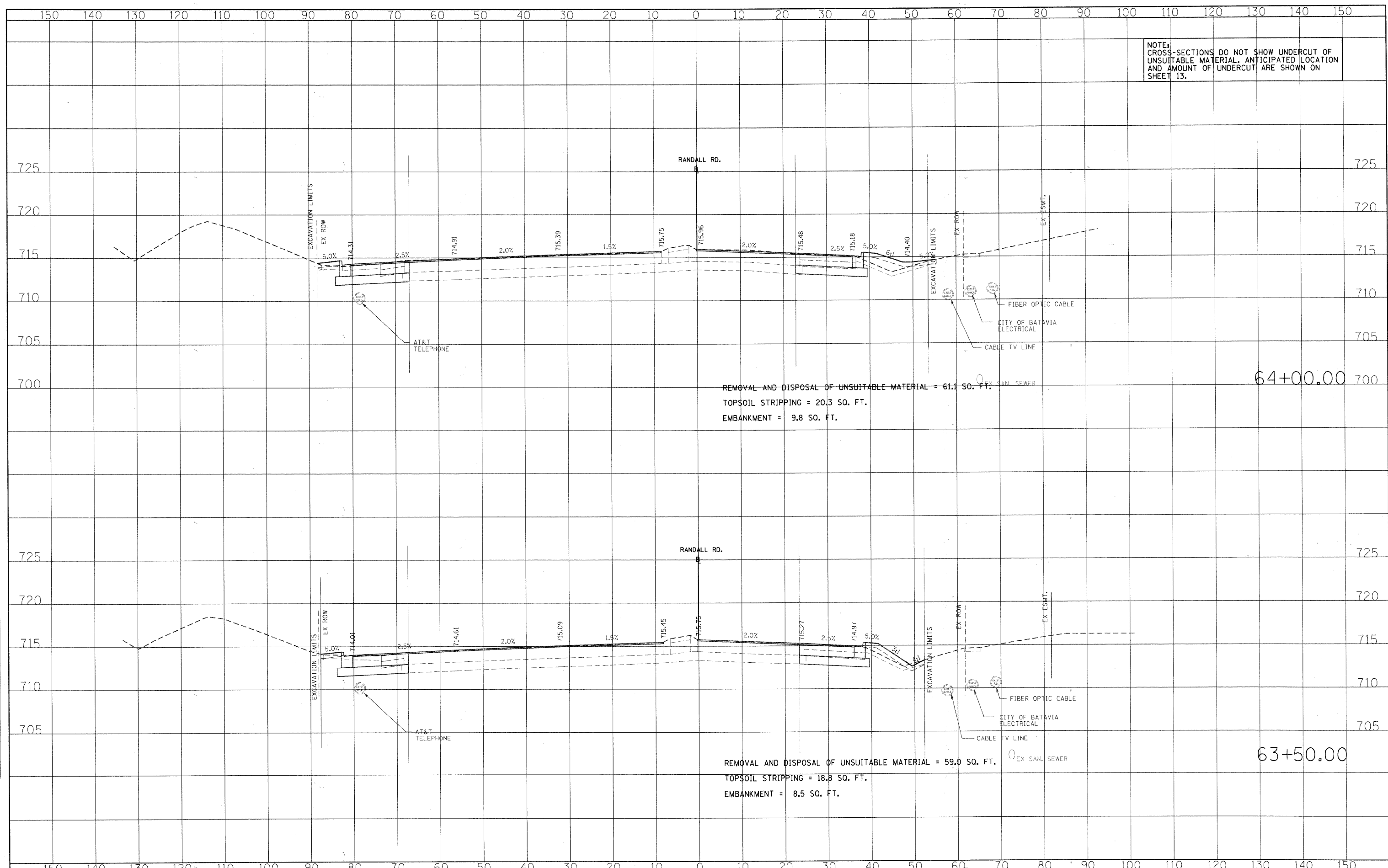


NOTE: CROSS-SECTIONS DO NOT SHOW UNDERCUT OF UNSUITABLE MATERIAL. ANTICIPATED LOCATION AND AMOUNT OF UNDERCUT ARE SHOWN ON SHEET 13.



REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 61.1 SQ. FT.  
 TOPSOIL STRIPPING = 20.3 SQ. FT.  
 EMBANKMENT = 9.8 SQ. FT.

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 59.0 SQ. FT.  
 TOPSOIL STRIPPING = 18.8 SQ. FT.  
 EMBANKMENT = 8.5 SQ. FT.

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USER NAME = Matt Baldwin	DESIGNED - PWK	REVISED -
	DRAWN - ERD	REVISED -
PLOT SCALE = 10,0000 1" IN.	CHECKED - KDF	REVISED -
PLOT DATE = 2/7/2011	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD CROSS-SECTIONS

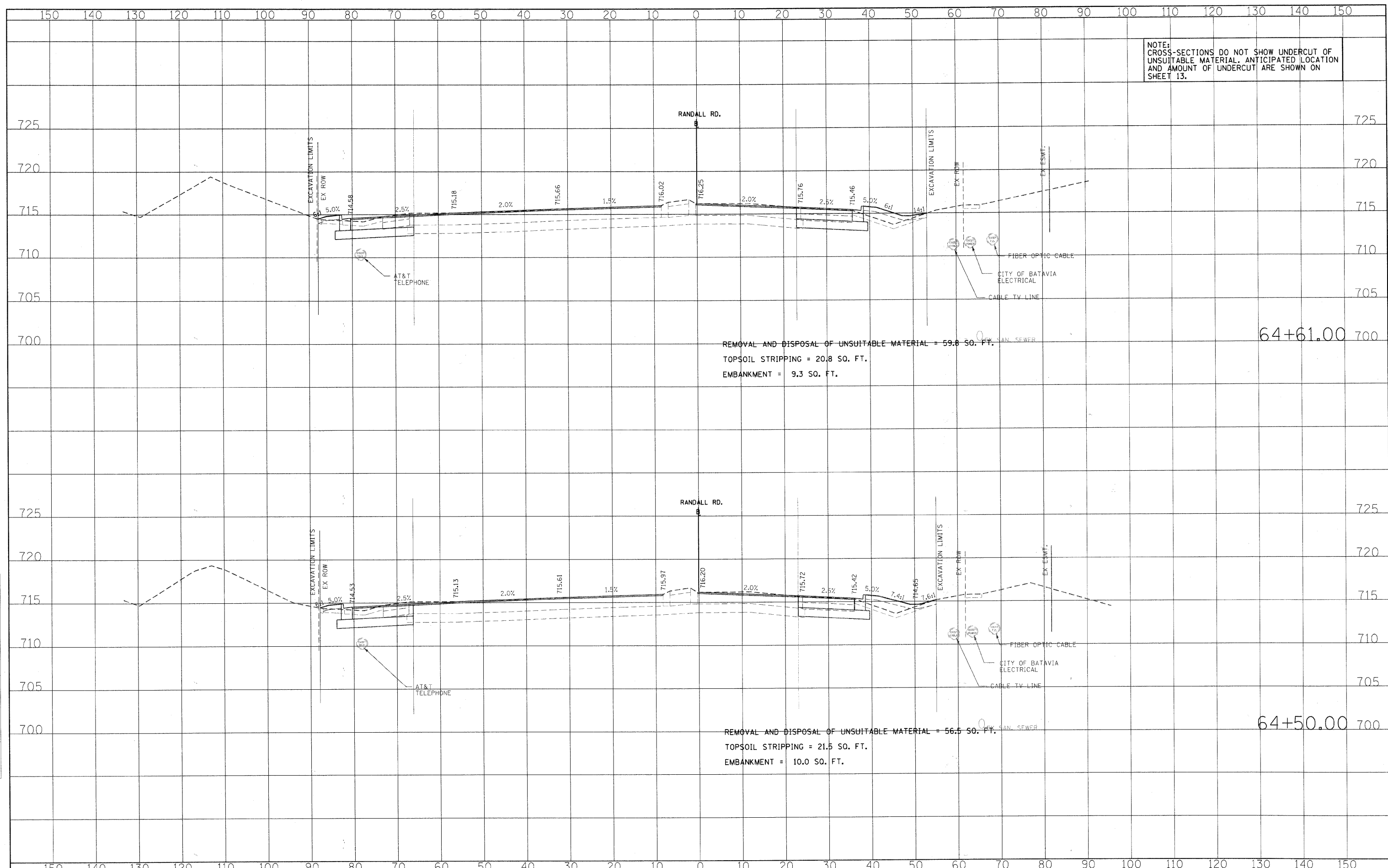
SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 63+50.00 TO STA. 64+00.00

F.A.P. RTE. 336	SECTION 01-00269-00-CH	COUNTY KANE	TOTAL SHEETS 124	SHEET NO. 101
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT CONTRACT NO. 63533		

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NOTE: CROSS-SECTIONS DO NOT SHOW UNDERCUT OF UNSUITABLE MATERIAL. ANTICIPATED LOCATION AND AMOUNT OF UNDERCUT ARE SHOWN ON SHEET 13.

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 59.8 SO. FT.  
 TOPSOIL STRIPPING = 20.8 SO. FT.  
 EMBANKMENT = 9.3 SO. FT.

64+61.00

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 56.5 SO. FT.  
 TOPSOIL STRIPPING = 21.5 SO. FT.  
 EMBANKMENT = 10.0 SO. FT.

64+50.00



USER NAME = Matt Baldwin	DESIGNED - PWK	REVISED -
PLOT SCALE = 10.0000' / IN.	DRAWN - ERD	REVISED -
PLOT DATE = 2/7/2011	CHECKED - KDF	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD CROSS-SECTIONS

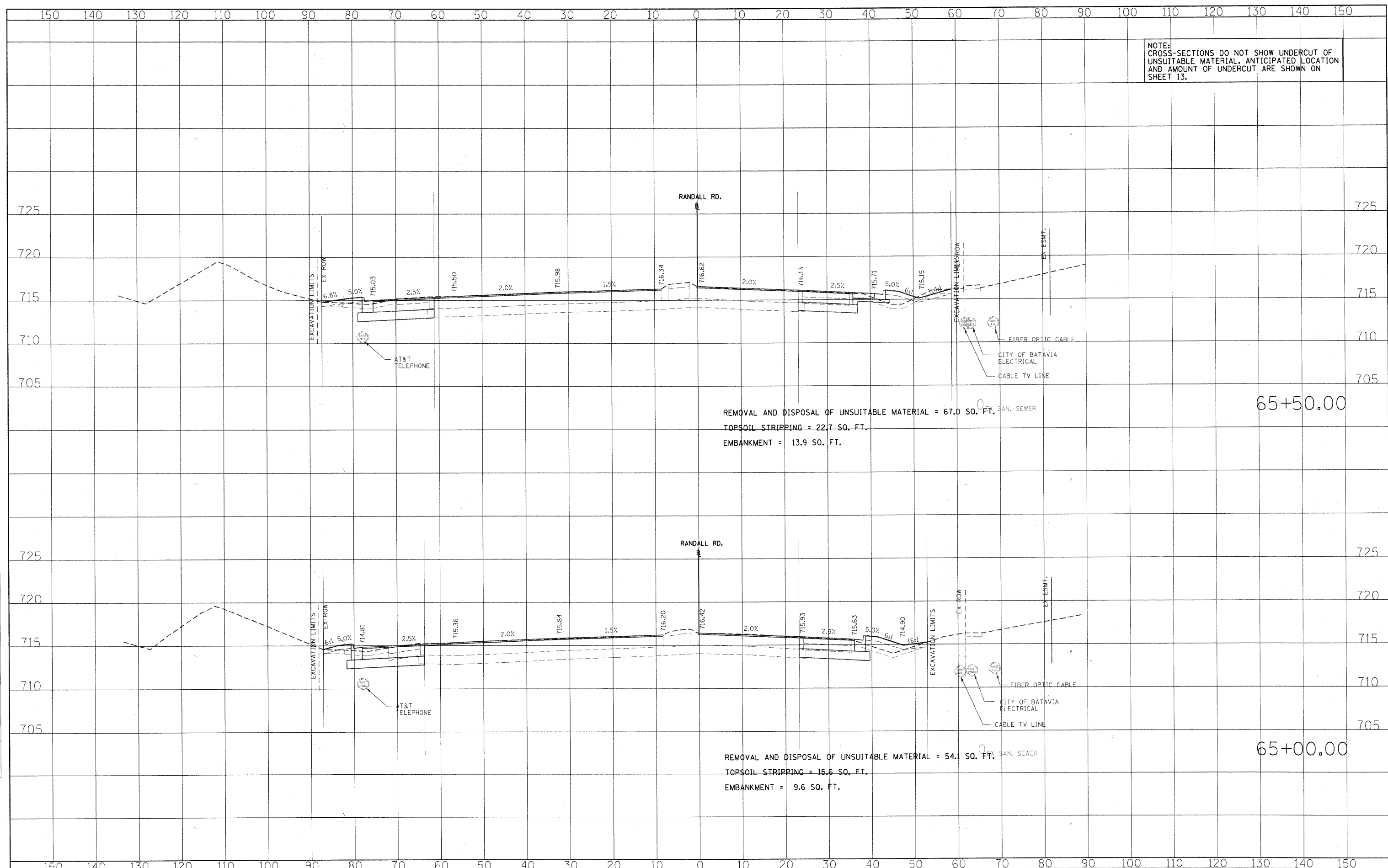
SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 64+50.00 TO STA. 64+61.00

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	01-00269-00-CH	KANE	124	102
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 63533		

NOTE: CROSS-SECTIONS DO NOT SHOW UNDERCUT OF UNSUITABLE MATERIAL. ANTICIPATED LOCATION AND AMOUNT OF UNDERCUT ARE SHOWN ON SHEET 13.

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REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 67.0 SO. FT.  
 TOPSOIL STRIPPING = 22.7 SO. FT.  
 EMBANKMENT = 13.9 SO. FT.

65+50.00

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 54.1 SO. FT.  
 TOPSOIL STRIPPING = 15.6 SO. FT.  
 EMBANKMENT = 9.6 SO. FT.

65+00.00



USER NAME = Matt Baldwin	DESIGNED - PWK	REVISED -
PLOT SCALE = 10,0000 1/1 IN.	DRAWN - ERD	REVISED -
PLOT DATE = 2/7/2011	CHECKED - KDF	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD CROSS-SECTIONS

SCALE: 1"= 10' SHEET NO. OF SHEETS STA. 65+00.00 TO STA. 65+50.00

F.A.P. R.T.E. 336	SECTION 01-00269-00-CH	COUNTY KANE	TOTAL SHEETS 124	SHEET NO. 103
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 63533		

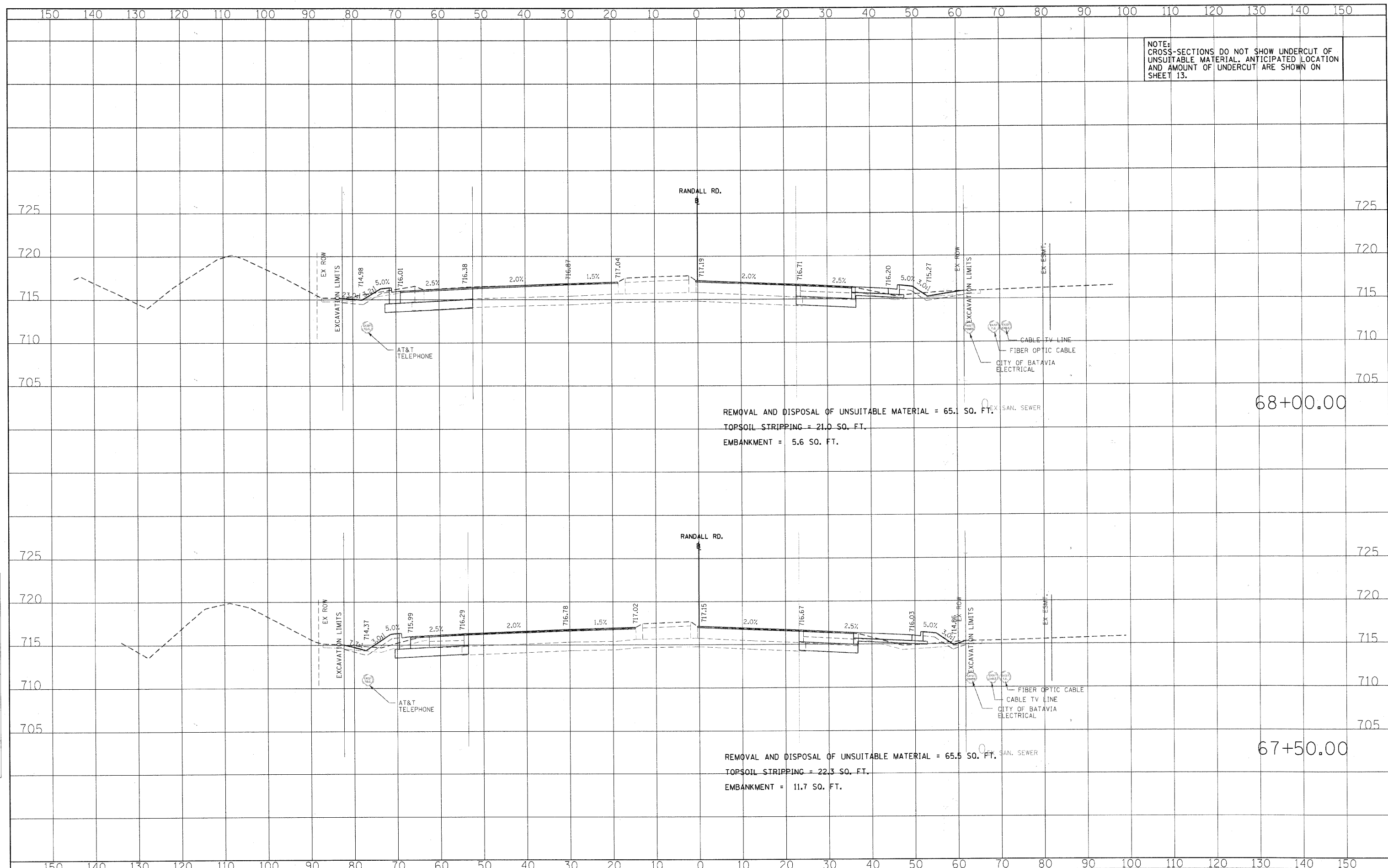




NOTE: CROSS-SECTIONS DO NOT SHOW UNDERCUT OF UNSUITABLE MATERIAL. ANTICIPATED LOCATION AND AMOUNT OF UNDERCUT ARE SHOWN ON SHEET 13.

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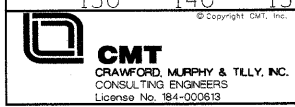


REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 65.1 SO. FT. SAN. SEWER  
 TOPSOIL STRIPPING = 21.0 SO. FT.  
 EMBANKMENT = 5.6 SO. FT.

68+00.00

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 65.5 SO. FT. SAN. SEWER  
 TOPSOIL STRIPPING = 22.3 SO. FT.  
 EMBANKMENT = 11.7 SO. FT.

67+50.00



USER NAME =	Matt Baldwin	DESIGNED -	PWK	REVISED -	
		DRAWN -	ERD	REVISED -	
PLOT SCALE =	10.0000" / 1"	CHECKED -	KDF	REVISED -	
PLOT DATE =	2/7/2011	DATE		REVISED -	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD CROSS-SECTIONS

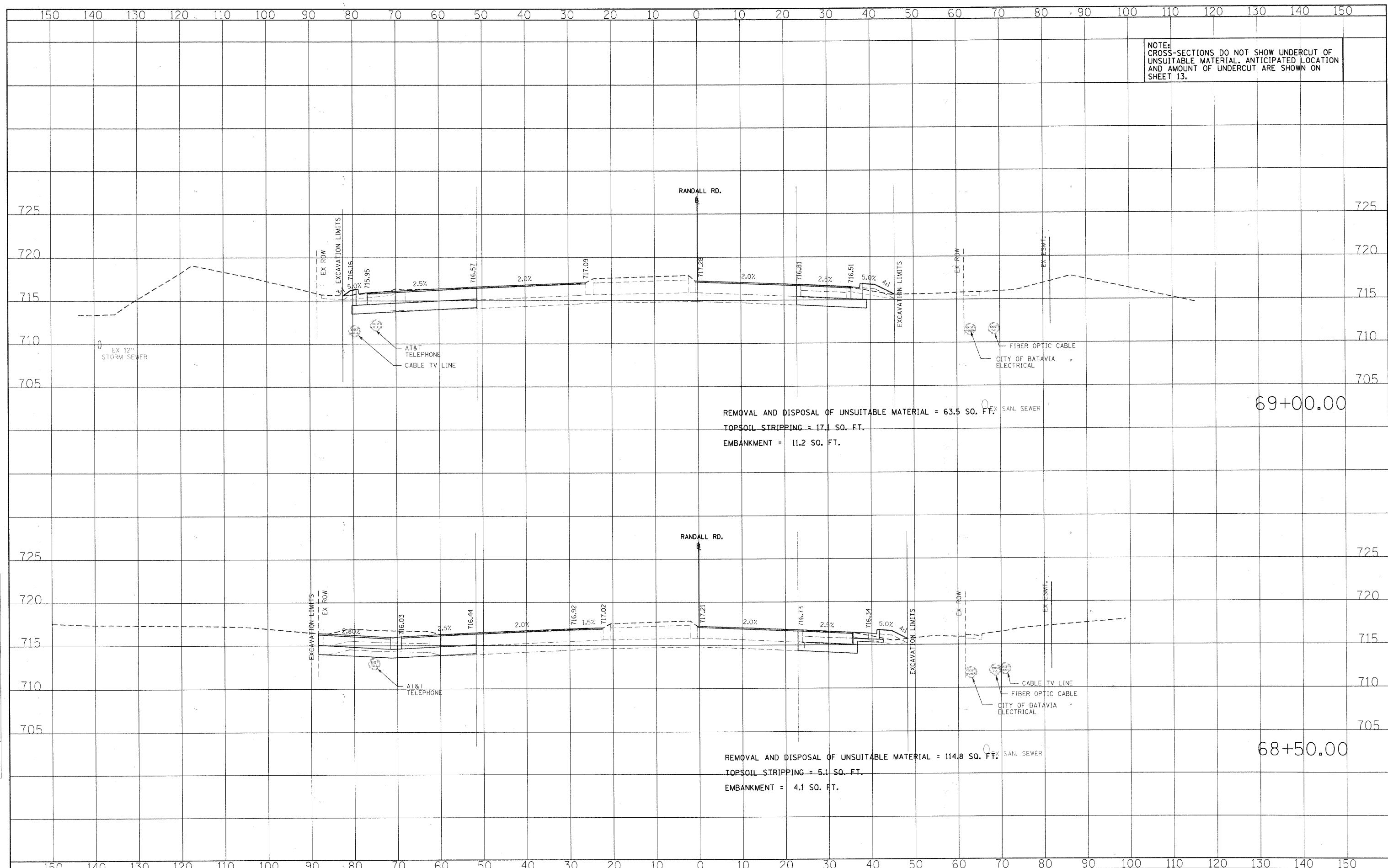
SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 67+50.00 TO STA. 68+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	01-00269-00-CH	KANE	124	106
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
	CONTRACT NO. 63533			

NOTE: CROSS-SECTIONS DO NOT SHOW UNDERCUT OF UNSUITABLE MATERIAL. ANTICIPATED LOCATION AND AMOUNT OF UNDERCUT ARE SHOWN ON SHEET 13.

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REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 63.5 SO. FT.  
 TOPSOIL STRIPPING = 17.1 SO. FT.  
 EMBANKMENT = 11.2 SO. FT.

69+00.00

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 114.8 SO. FT.  
 TOPSOIL STRIPPING = 5.1 SO. FT.  
 EMBANKMENT = 4.1 SO. FT.

68+50.00



USER NAME = Matt Bolwin	DESIGNED - PWK	REVISED -
PLOT SCALE = 10.0000' / IN.	DRAWN - ERD	REVISED -
PLOT DATE = 2/7/2011	CHECKED - KDF	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD CROSS-SECTIONS

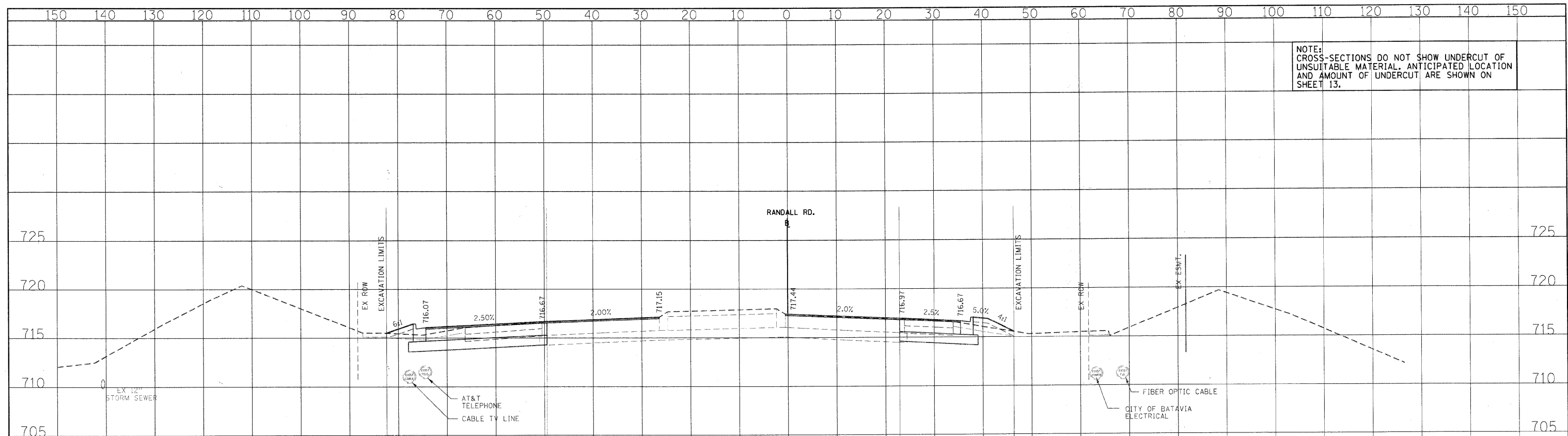
SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 68+50.00 TO STA. 69+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	01-00269-00-CH	KANE	124	107
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 63533				

NOTE:  
CROSS-SECTIONS DO NOT SHOW UNDERCUT OF  
UNSUITABLE MATERIAL. ANTICIPATED LOCATION  
AND AMOUNT OF UNDERCUT ARE SHOWN ON  
SHEET 13.

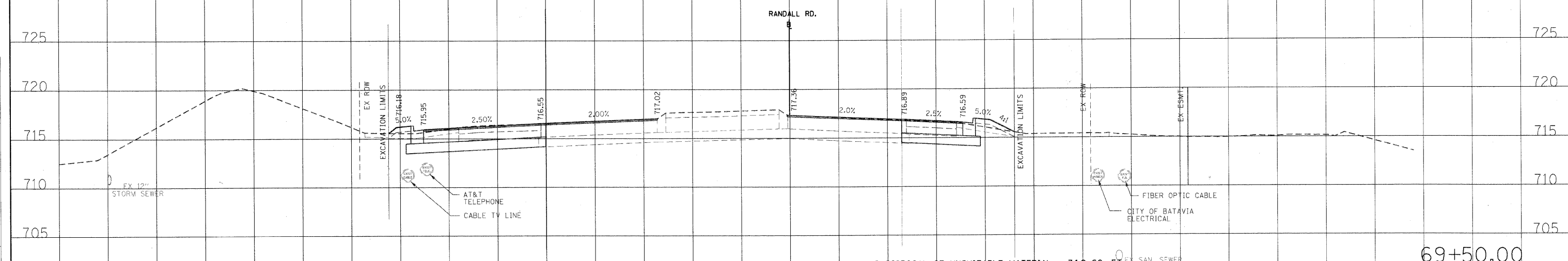
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REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 66.6 SO. FT.  
TOPSOIL STRIPPING = 17.3 SO. FT.  
EMBANKMENT = 16.3 SO. FT.

70+00.00



REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 74.2 SO. FT.  
TOPSOIL STRIPPING = 15.7 SO. FT.  
EMBANKMENT = 11.3 SO. FT.

69+50.00



USER NAME = Matt Baldwin  
DESIGNED - PWK  
DRAWN - ERD  
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PLOT DATE = 2/7/2011

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD CROSS-SECTIONS

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 69+50.00 TO STA. 70+00.00

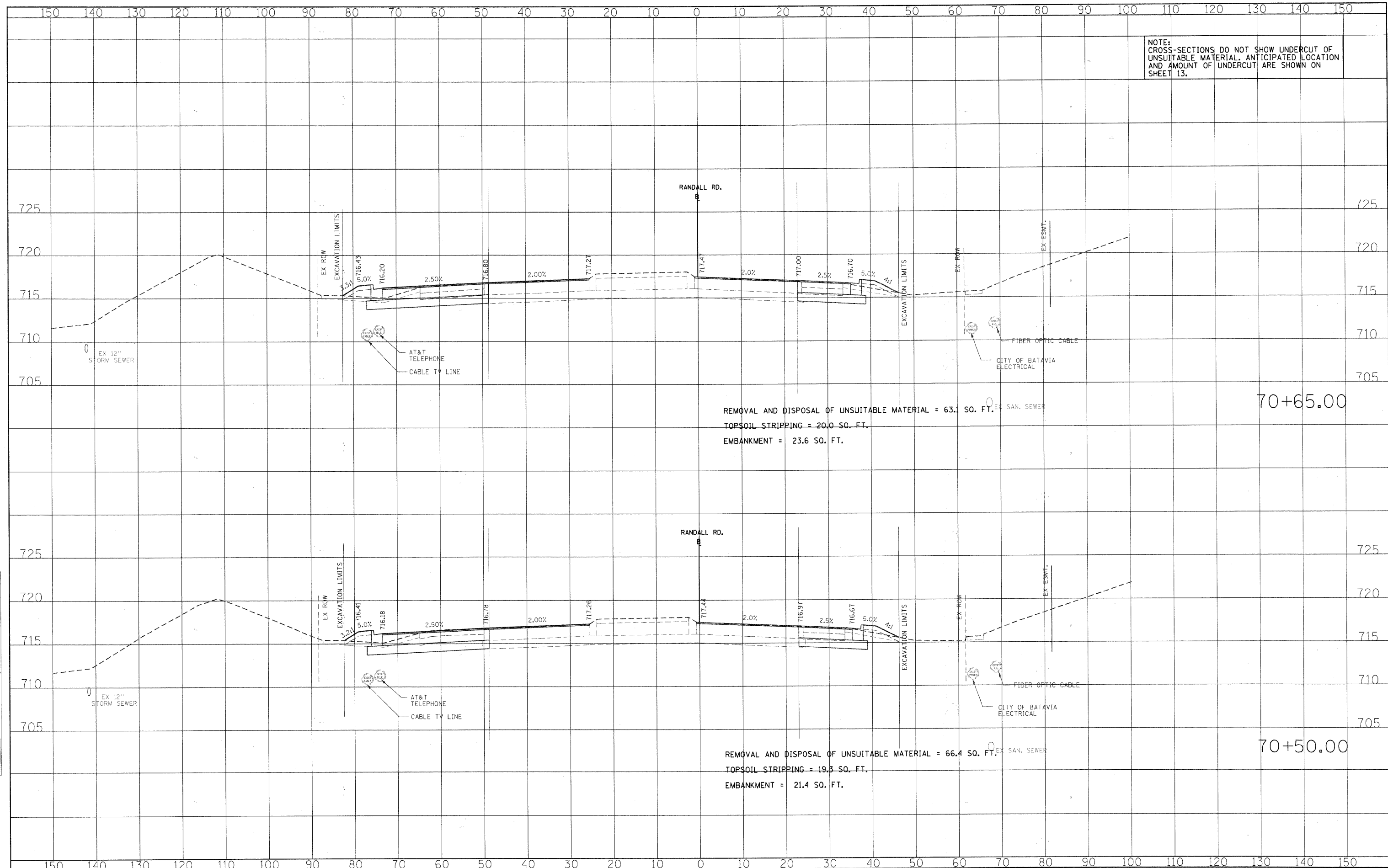
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	01-00269-00-CH	KANE	124	108
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63533	



NOTE:  
CROSS-SECTIONS DO NOT SHOW UNDERCUT OF  
UNSUITABLE MATERIAL. ANTICIPATED LOCATION  
AND AMOUNT OF UNDERCUT ARE SHOWN ON  
SHEET 13.

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REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 63.1 SQ. FT.  
TOPSOIL STRIPPING = 20.0 SQ. FT.  
EMBANKMENT = 23.6 SQ. FT.

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 66.4 SQ. FT.  
TOPSOIL STRIPPING = 19.3 SQ. FT.  
EMBANKMENT = 21.4 SQ. FT.

70+65.00

70+50.00



USER NAME = Matt Baldwin  
DESIGNED - PWK  
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DEPARTMENT OF TRANSPORTATION

RANDALL ROAD CROSS-SECTIONS

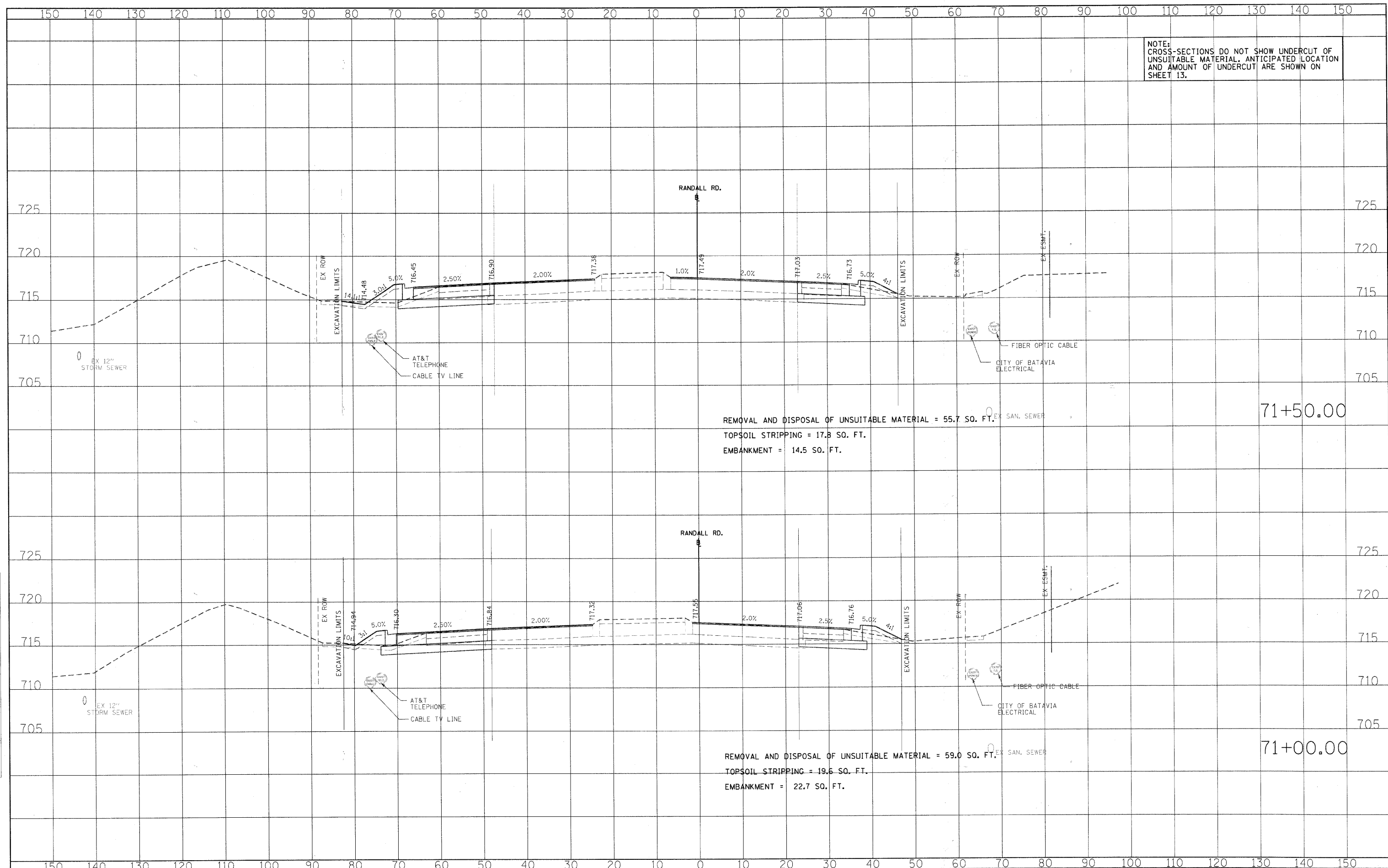
SCALE: 1" = 10'  
SHEET NO. OF SHEETS STA. 70+50.00 TO STA. 70+65.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	01-00269-00-CH	KANE	124	109
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63533	

NOTE:  
CROSS-SECTIONS DO NOT SHOW UNDERCUT OF  
UNSUITABLE MATERIAL. ANTICIPATED LOCATION  
AND AMOUNT OF UNDERCUT ARE SHOWN ON  
SHEET 13.

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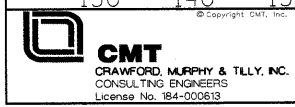


REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 55.7 SO. FT.  
TOPSOIL STRIPPING = 17.8 SO. FT.  
EMBANKMENT = 14.5 SO. FT.

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 59.0 SO. FT.  
TOPSOIL STRIPPING = 19.6 SO. FT.  
EMBANKMENT = 22.7 SO. FT.

71+50.00

71+00.00



USER NAME = Matt Balowin  
DESIGNED - PWK  
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PLOT DATE = 2/7/2011

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD CROSS-SECTIONS

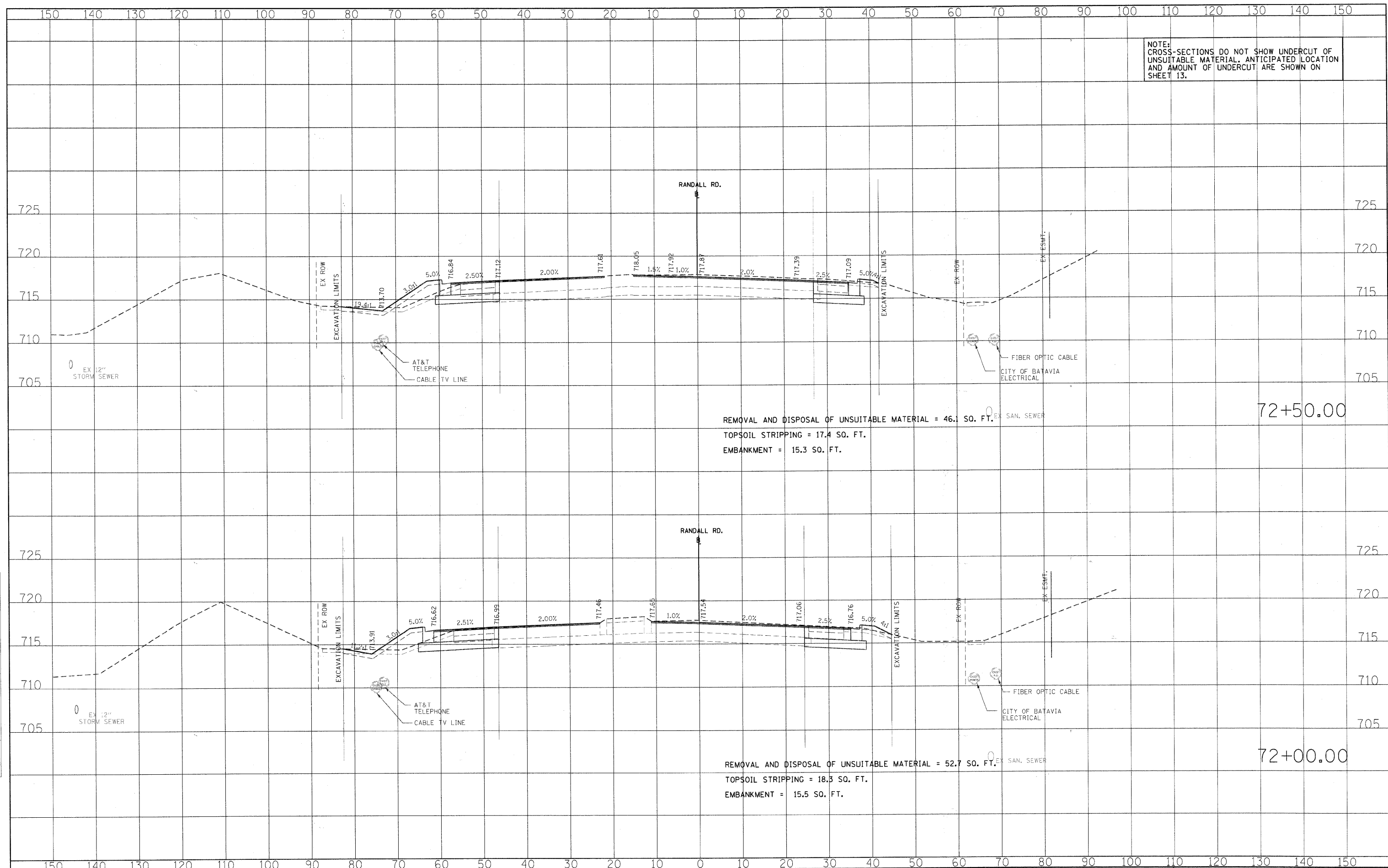
SCALE: 1" = 10'  
SHEET NO. OF SHEETS STA. 71+00.00 TO STA. 71+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	01-00269-00-CH	KANE	124	110
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63533	

NOTE: CROSS-SECTIONS DO NOT SHOW UNDERCUT OF UNSUITABLE MATERIAL. ANTICIPATED LOCATION AND AMOUNT OF UNDERCUT ARE SHOWN ON SHEET 13.

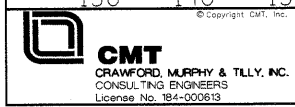
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REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 46.1 SQ. FT.  
 TOPSOIL STRIPPING = 17.4 SQ. FT.  
 EMBANKMENT = 15.3 SQ. FT.

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 52.7 SQ. FT.  
 TOPSOIL STRIPPING = 18.3 SQ. FT.  
 EMBANKMENT = 15.5 SQ. FT.



USER NAME = Matt Baldwin	DESIGNED - PWK	REVISED -
PLOT SCALE = 10.0000" / IN.	DRAWN - ERD	REVISED -
PLOT DATE = 2/7/2011	CHECKED - KDF	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD CROSS-SECTIONS

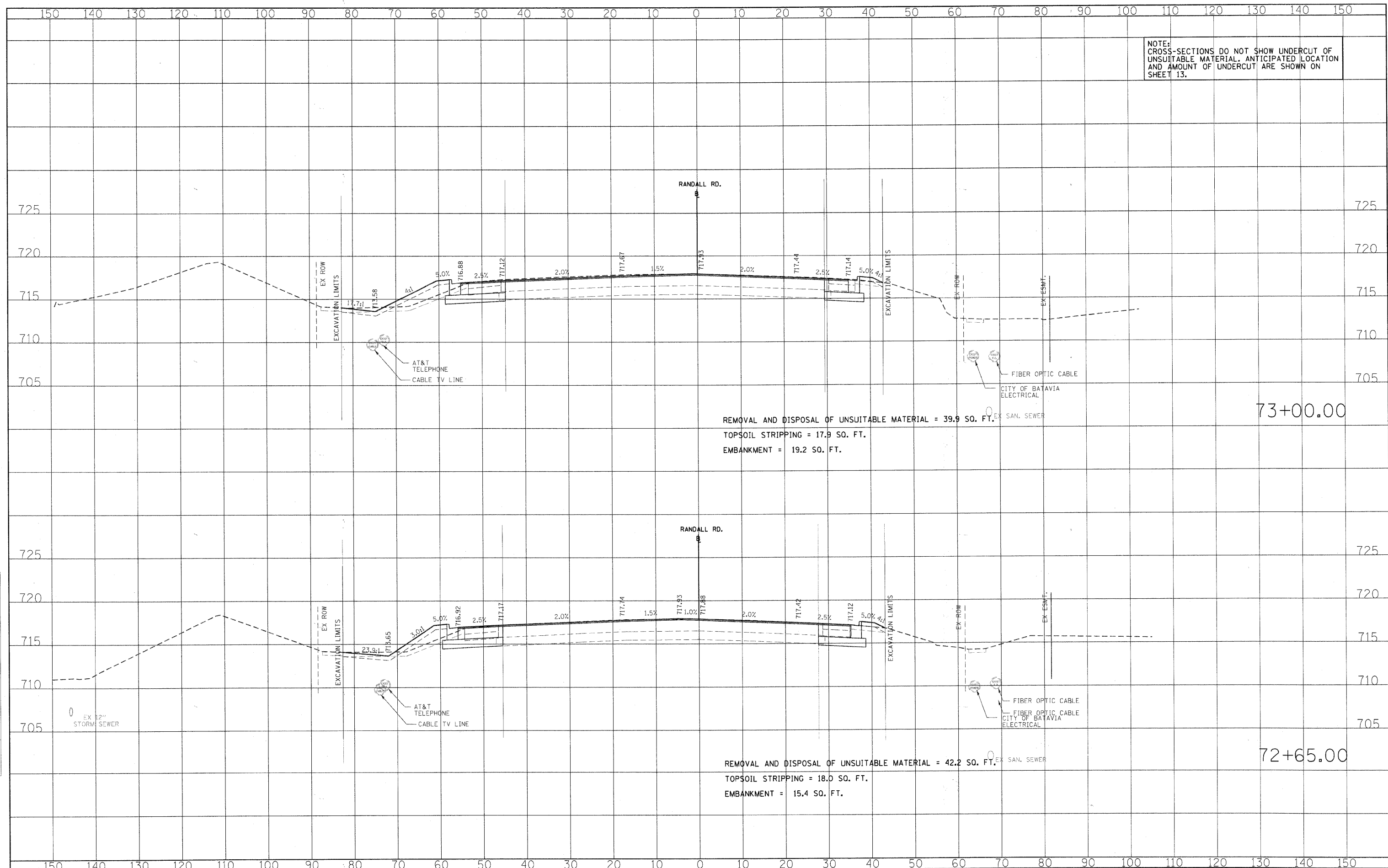
SCALE: 1" = 10' SHEET NO. ... OF SHEETS STA. 72+00.00 TO STA. 72+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	01-00269-00-CH	KANE	124	111
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63533	

NOTE:  
CROSS-SECTIONS DO NOT SHOW UNDERCUT OF  
UNSUITABLE MATERIAL. ANTICIPATED LOCATION  
AND AMOUNT OF UNDERCUT ARE SHOWN ON  
SHEET 13.

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REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 39.9 SO. FT.  
TOPSOIL STRIPPING = 17.9 SO. FT.  
EMBANKMENT = 19.2 SO. FT.

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 42.2 SO. FT.  
TOPSOIL STRIPPING = 18.0 SO. FT.  
EMBANKMENT = 15.4 SO. FT.



USER NAME = Matt Baldwin  
DESIGNED - PWK  
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD CROSS-SECTIONS

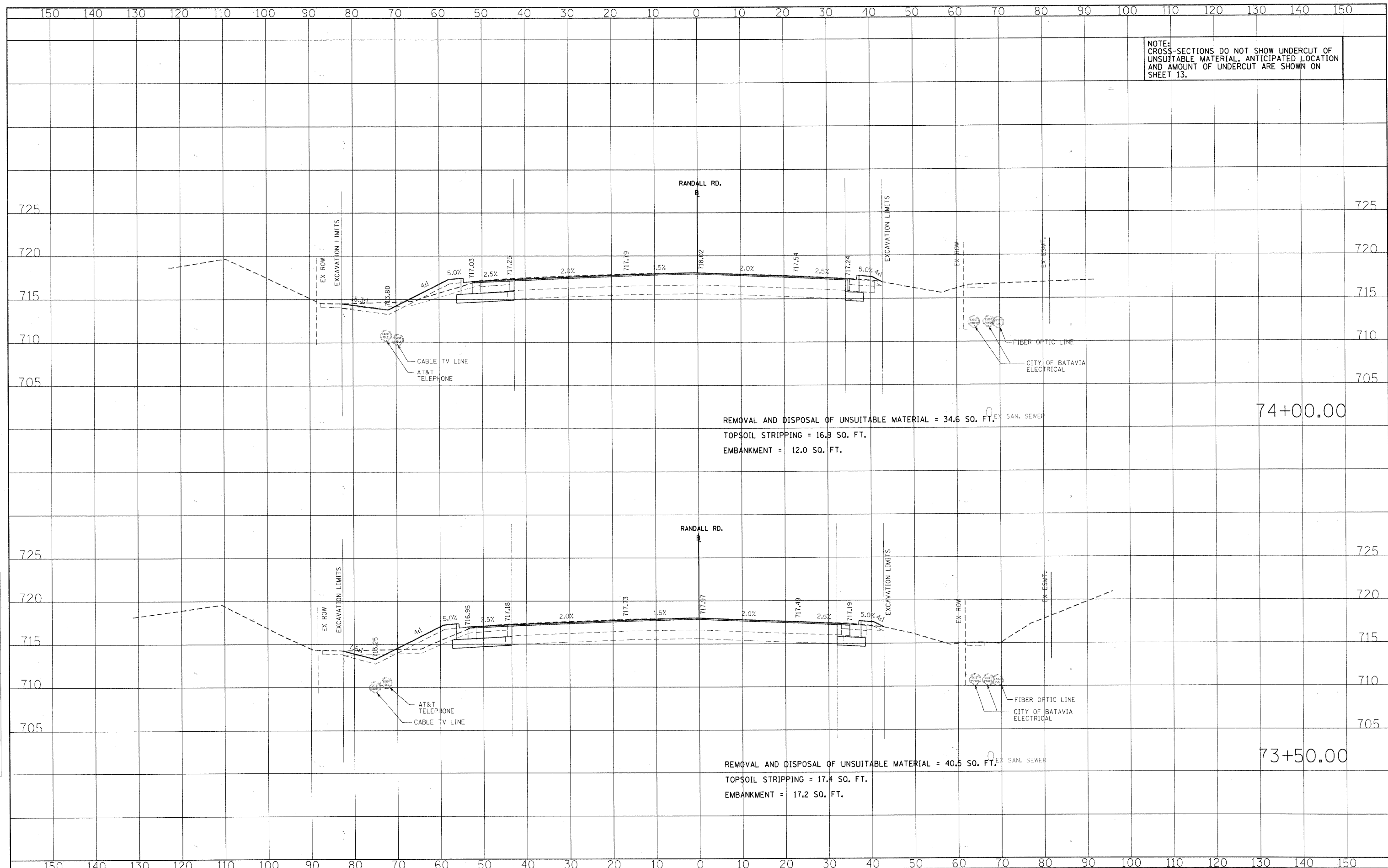
SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 72+65.00 TO STA. 73+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	01-00269-00-CH	KANE	124	112
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63533	

NOTE: CROSS-SECTIONS DO NOT SHOW UNDERCUT OF UNSUITABLE MATERIAL. ANTICIPATED LOCATION AND AMOUNT OF UNDERCUT ARE SHOWN ON SHEET 13.

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REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 34.6 SO. FT.  
 TOPSOIL STRIPPING = 16.9 SO. FT.  
 EMBANKMENT = 12.0 SO. FT.

74+00.00

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 40.5 SO. FT.  
 TOPSOIL STRIPPING = 17.4 SO. FT.  
 EMBANKMENT = 17.2 SO. FT.

73+50.00



USER NAME = Matt Baldwin	DESIGNED - PWK	REVISED -
PLOT SCALE = 10.0000" / 1"	DRAWN - ERD	REVISED -
PLOT DATE = 2/7/2011	CHECKED - KDF	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD CROSS-SECTIONS

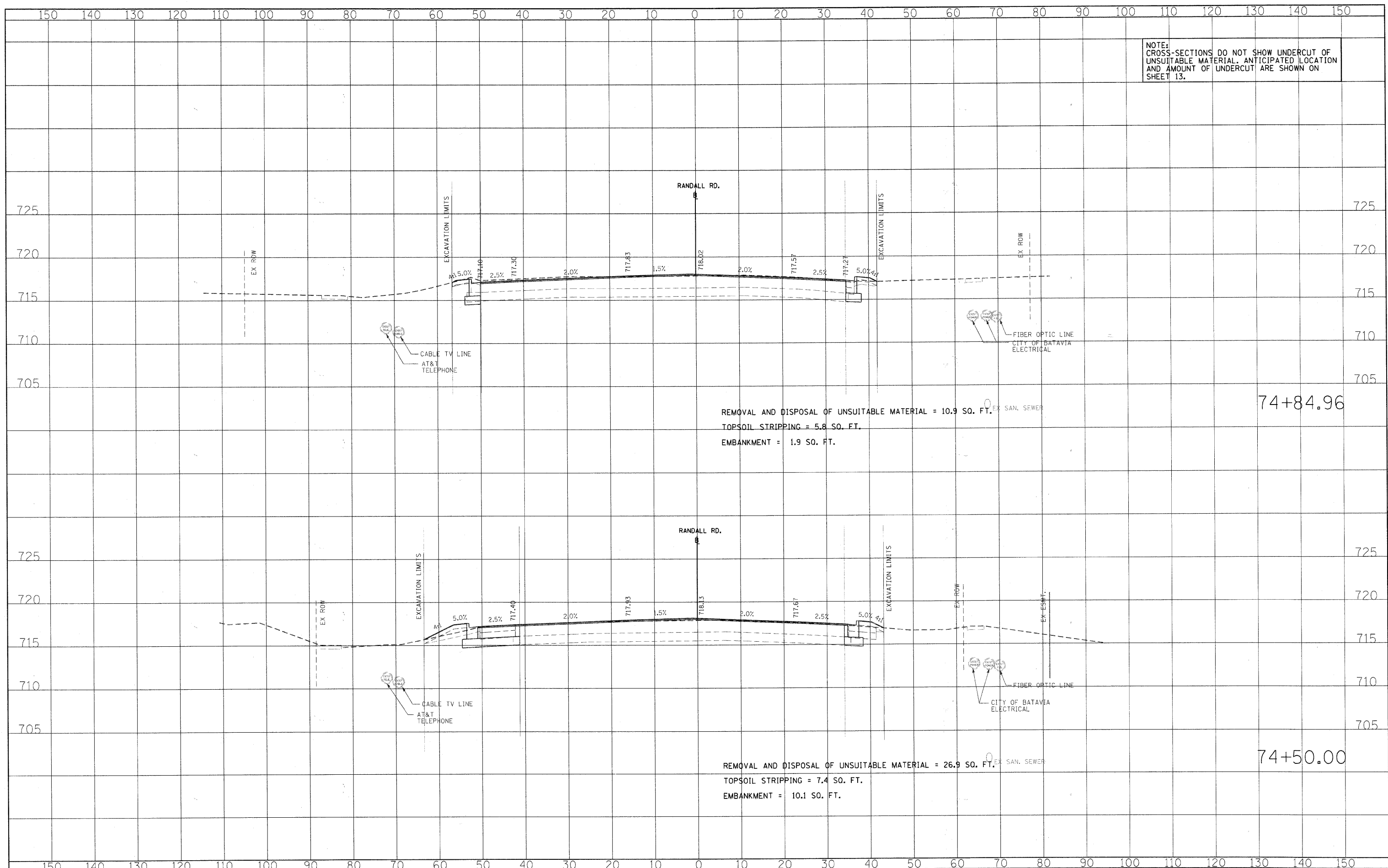
SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 73+50.00 TO STA. 74+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	01-00269-00-CH	KANE	124	113
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63533	

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NOTE: CROSS-SECTIONS DO NOT SHOW UNDERCUT OF UNSUITABLE MATERIAL. ANTICIPATED LOCATION AND AMOUNT OF UNDERCUT ARE SHOWN ON SHEET 13.

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 10.9 SQ. FT.  
 TOPSOIL STRIPPING = 5.8 SQ. FT.  
 EMBANKMENT = 1.9 SQ. FT.

74+84.96

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 26.9 SQ. FT.  
 TOPSOIL STRIPPING = 7.4 SQ. FT.  
 EMBANKMENT = 10.1 SQ. FT.

74+50.00



USER NAME = Matt Baldwin	DESIGNED - PWK	REVISED -
PLOT SCALE = 10.0000' / IN.	DRAWN - ERD	REVISED -
PLOT DATE = 2/7/2011	CHECKED - KDF	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

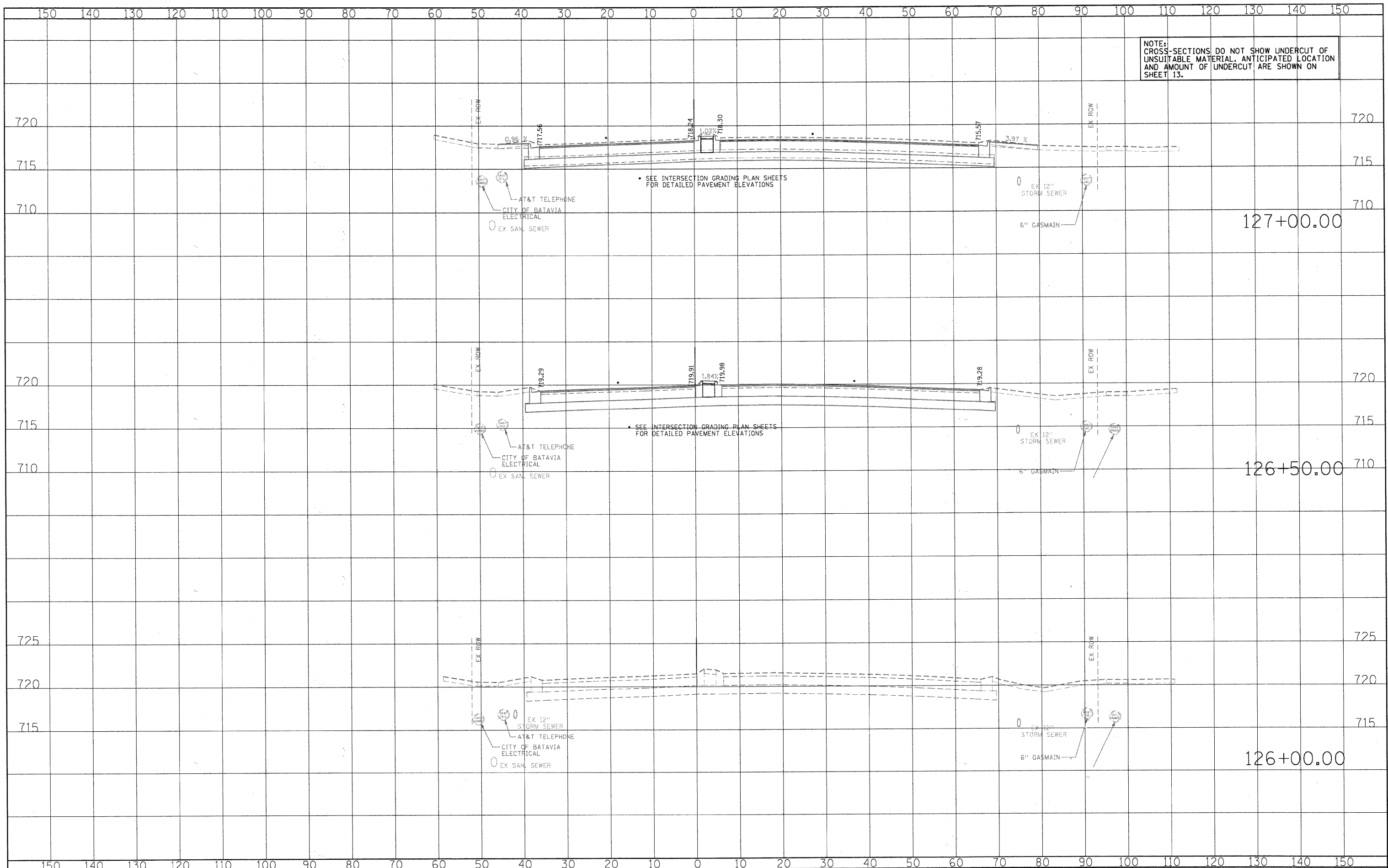
RANDALL ROAD CROSS-SECTIONS  
 SCALE: 1" = 10'  
 SHEET NO. OF SHEETS STA. 74+50.00 TO STA. 74+84.96

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	01-00269-00-CH	KANE	124	114
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63533	

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NOTE: CROSS-SECTIONS DO NOT SHOW UNDERCUT OF UNSUITABLE MATERIAL. ANTICIPATED LOCATION AND AMOUNT OF UNDERCUT ARE SHOWN ON SHEET 13.



FILE NAME = L:\KANE\0922869\126+00\126+00.CH



USER NAME = Matt Baldwin	DESIGNED - PWK	REVISED -
PLOT SCALE = 10.0000' / IN.	DRAWN - ERD	REVISED -
PLOT DATE = 12/29/2010	CHECKED - KDF	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FABYAN PARKWAY CROSS-SECTIONS

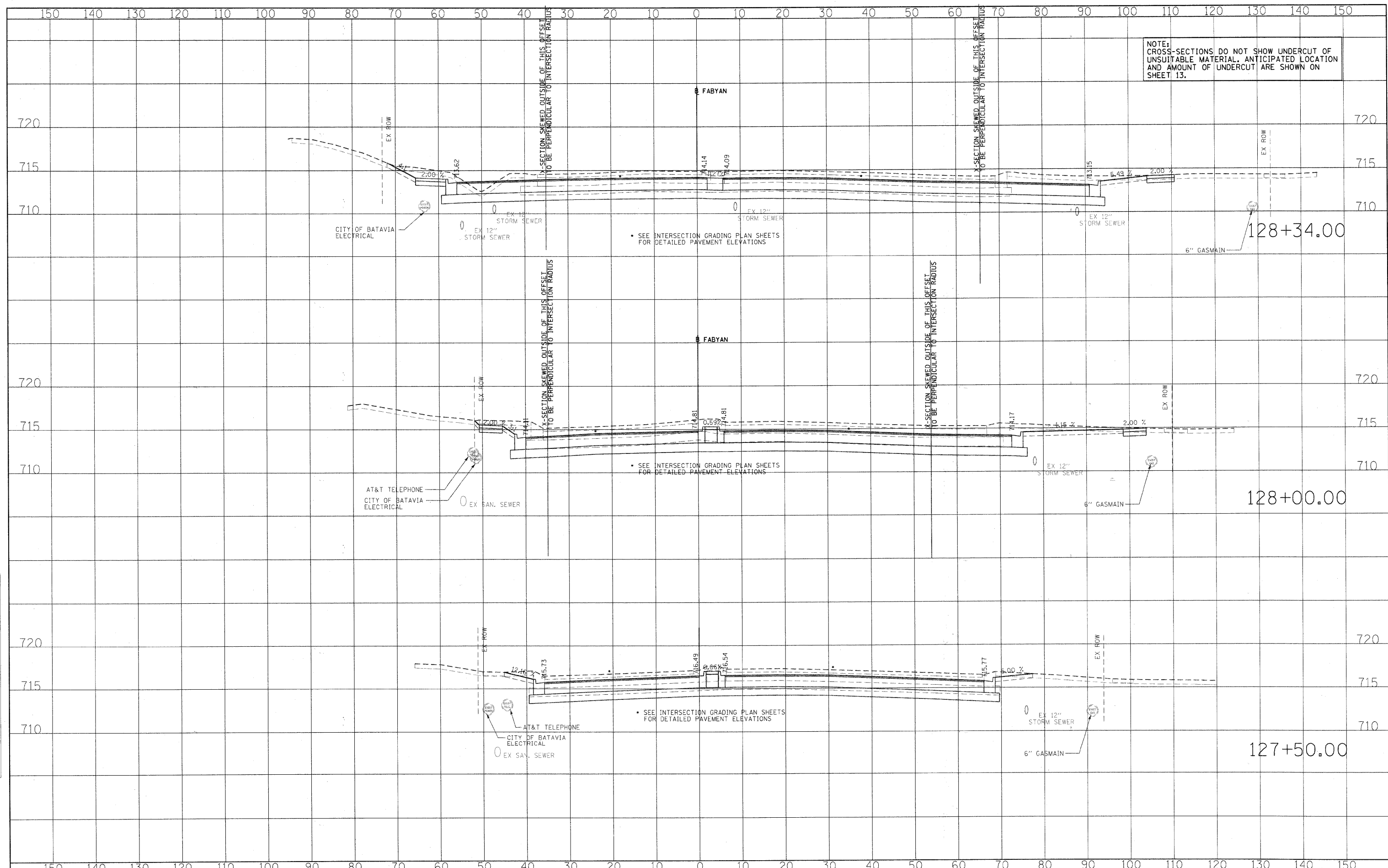
SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 126+00.00 TO STA. 127+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	01-00269-00-CH	KANE	124	115
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63533	

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NOTE: CROSS-SECTIONS DO NOT SHOW UNDERCUT OF UNSUITABLE MATERIAL. ANTICIPATED LOCATION AND AMOUNT OF UNDERCUT ARE SHOWN ON SHEET 13.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FABYAN PARKWAY CROSS-SECTIONS



USER NAME = Matt Belovin	DESIGNED - PWK	REVISED -
PLOT SCALE = 10,0000 1/4 IN.	DRAWN - ERD	REVISED -
PLOT DATE = 2/7/2011	CHECKED - KDF	REVISED -
	DATE -	REVISED -

DESIGNED - PWK	REVISED -
DRAWN - ERD	REVISED -
CHECKED - KDF	REVISED -
DATE -	REVISED -

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 127+50.00 TO STA. 128+34.00

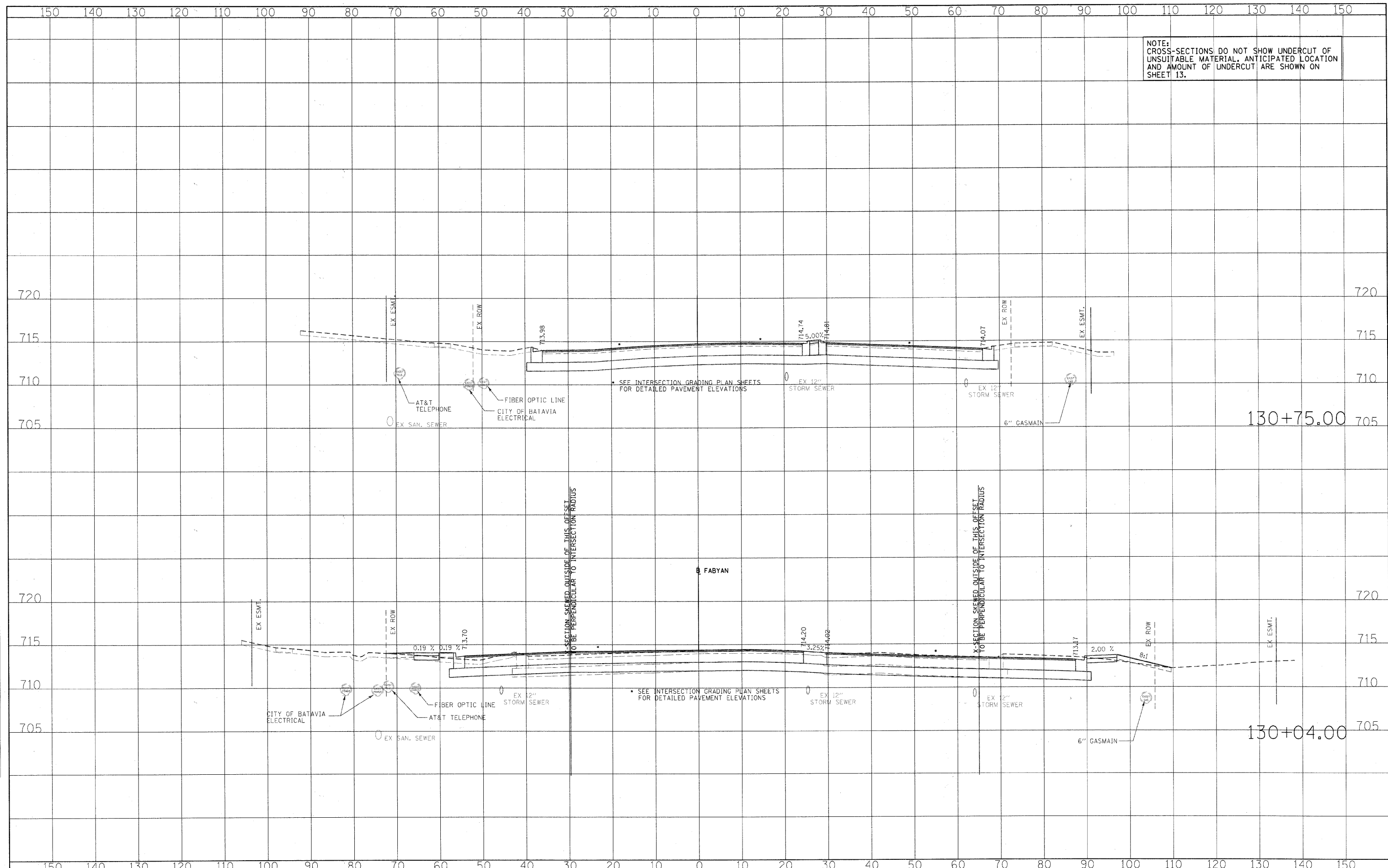
F.A.P. RTE. 336	SECTION 01-00269-00-CH	COUNTY KANE	TOTAL SHEETS 124	SHEET NO. 116
CONTRACT NO. 63533				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



NOTE:  
CROSS-SECTIONS DO NOT SHOW UNDERCUT OF  
UNSUITABLE MATERIAL. ANTICIPATED LOCATION  
AND AMOUNT OF UNDERCUT ARE SHOWN ON  
SHEET 13.

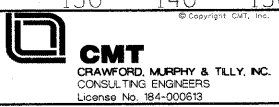
DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FABYAN PARKWAY CROSS-SECTIONS



USER NAME: Matt Bolawn	DESIGNED - PWK	REVISED -
PLOT SCALE = 10.0000' / IN.	DRAWN - ERD	REVISED -
PLOT DATE = 2/7/2011	CHECKED - KDF	REVISED -
	DATE -	REVISED -

SCALE: 1" = 10'	SHEET NO. OF SHEETS	STA. 130+04.00 TO STA. 130+75.00
-----------------	---------------------	----------------------------------

F.A.P. RTE. 336	SECTION 01-00269-00-CH	COUNTY KANE	TOTAL SHEETS 124	SHEET NO. 117
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				
CONTRACT NO. 63533				

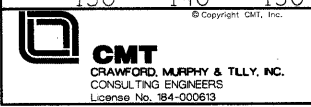
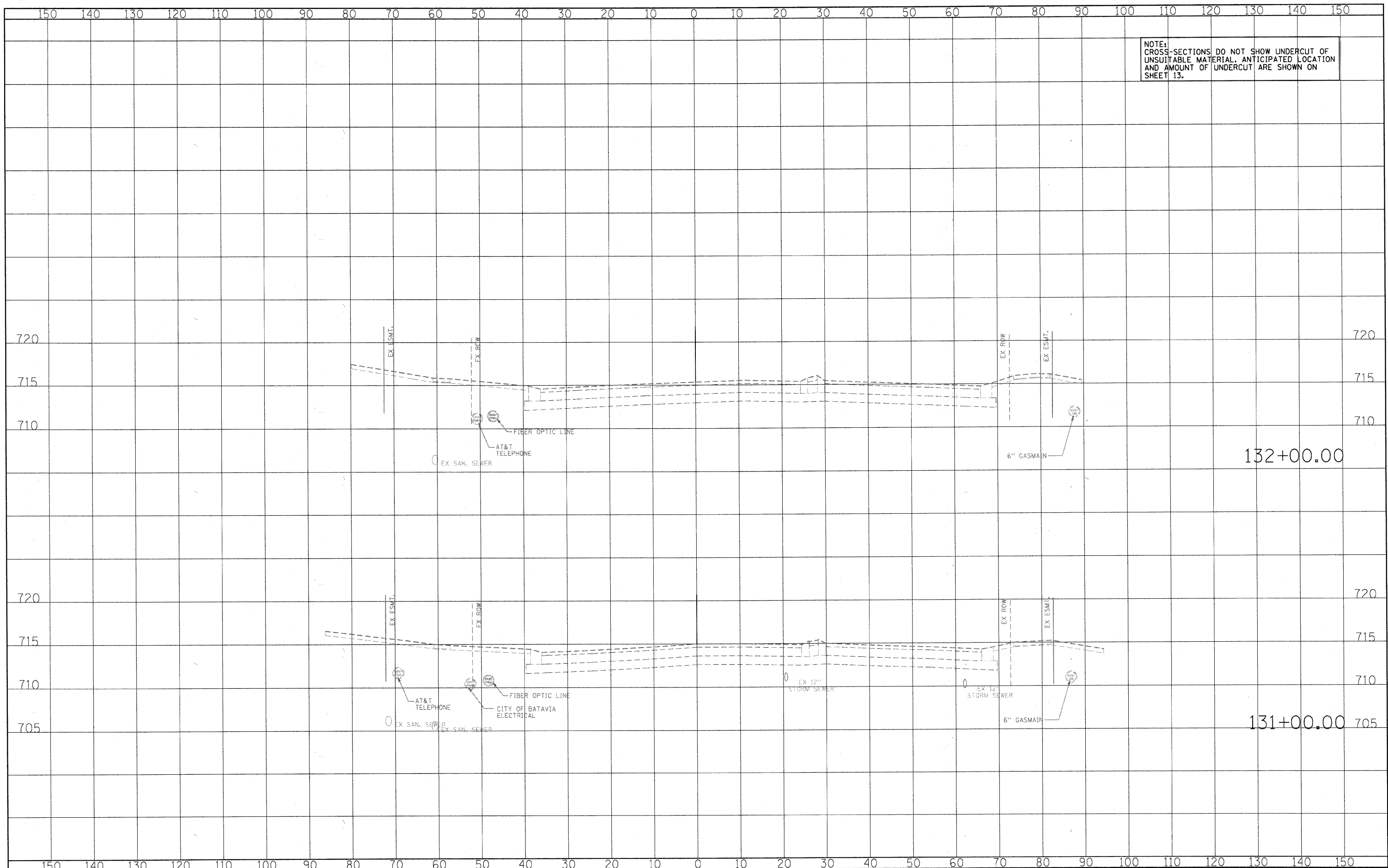
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NOTE: CROSS-SECTIONS DO NOT SHOW UNDERCUT OF UNSUITABLE MATERIAL. ANTICIPATED LOCATION AND AMOUNT OF UNDERCUT ARE SHOWN ON SHEET 13.

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

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

FILE NAME = L:\KANE\CO\092\9678\Drawn\CADD\_Sheets\YS\_SHEETS\FABYAN\131

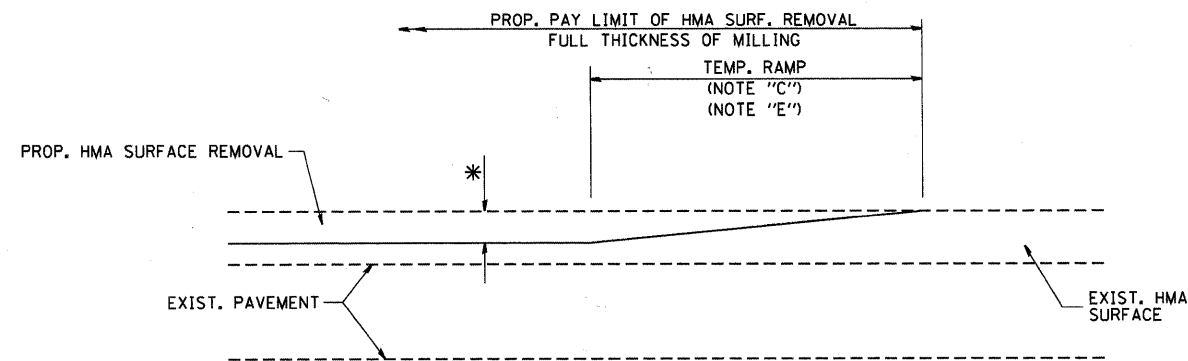


USER NAME = Matt Baldwin	DESIGNED - PWK	REVISED -
	DRAWN - ERD	REVISED -
PLOT SCALE = 10.0000' / IN.	CHECKED - KDF	REVISED -
PLOT DATE = 12/29/2010	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

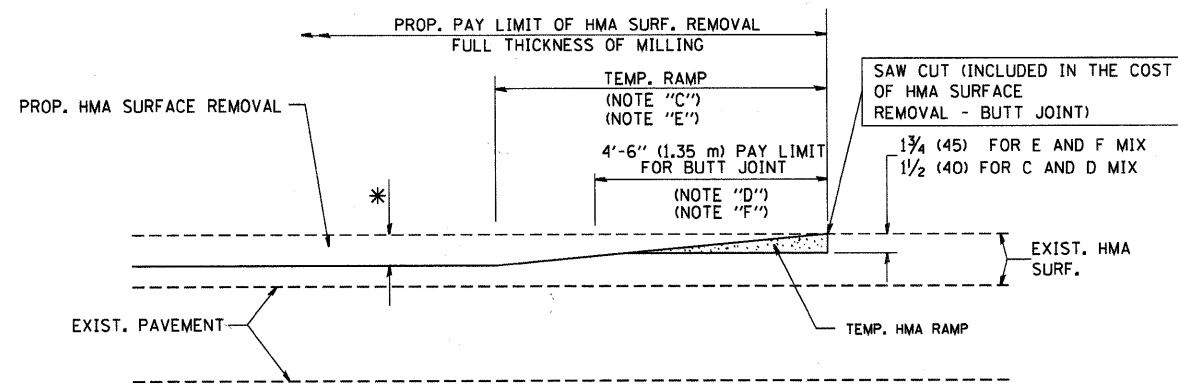
FABYAN PARKWAY CROSS-SECTIONS  
SCALE: 1" = 10'  
SHEET NO. OF SHEETS STA. 131+00.00 TO STA. 132+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	01-00269-00-CH	KANE	124	118
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63533	



MILLED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

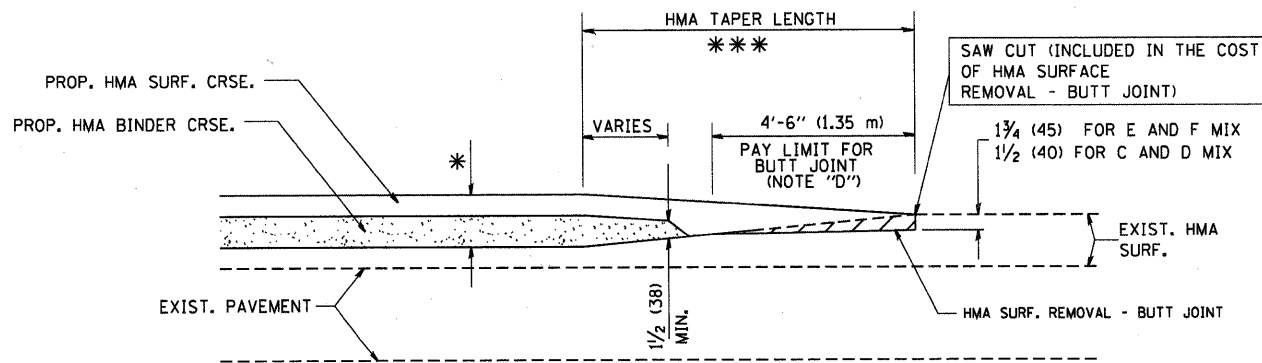
OPTION 1



HMA CONSTRUCTED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

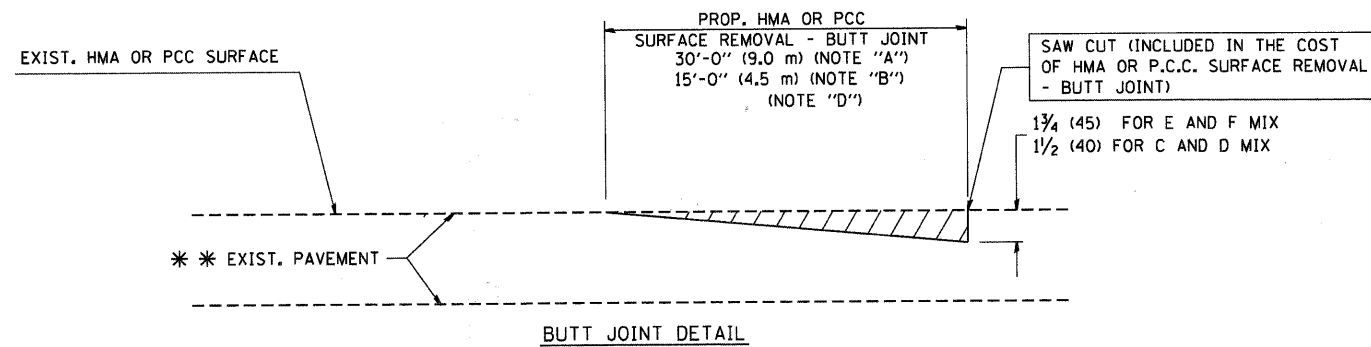
OPTION 2

TYPICAL TEMPORARY RAMP

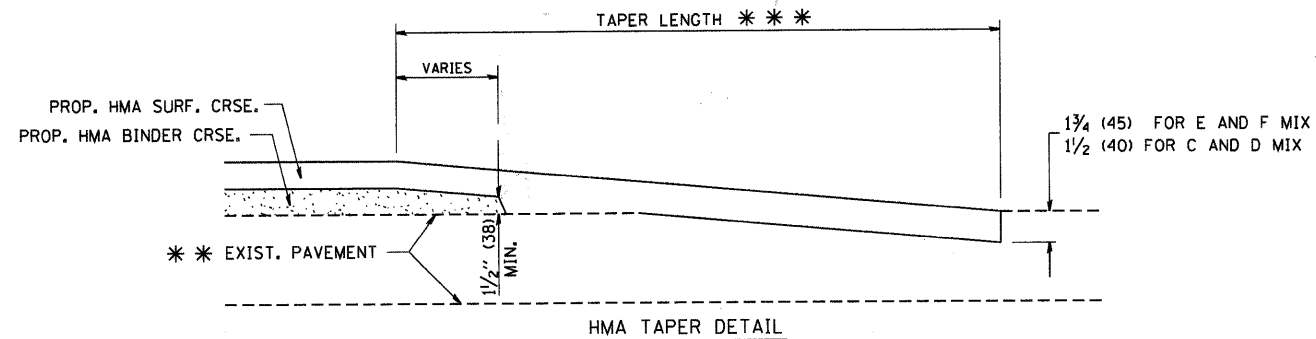


BUTT JOINT AND  
HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER  
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER  
FOR RESURFACING ONLY

\*\*\* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
  - B: MINOR SIDE ROADS.
  - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
  - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
  - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
  - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
  - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- \* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- \*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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

FILE NAME = W:\diststd\22x34\bd32.dgn	USER NAME = geglionobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 60.0000 "/ IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

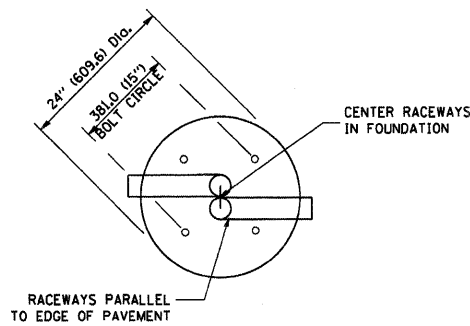
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

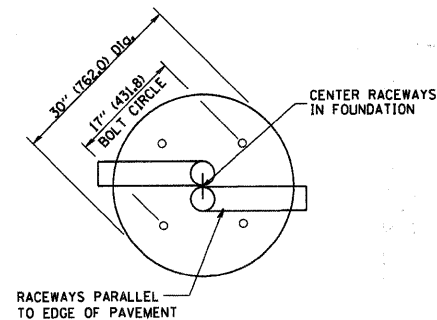
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	01-00269-00-CH	KANE	124	119
BD400-05 BD32		CONTRACT NO. 63533		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**LIGHT POLE FOUNDATION DEPTH TABLE**  
40 FT. (12.192 m) TO 47.5 FT. (14.478 m) MOUNTING HEIGHT

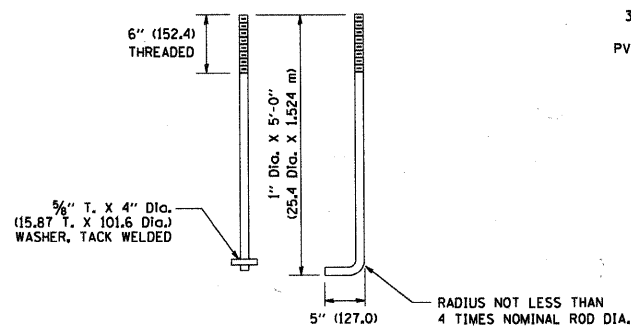
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY O <sub>u</sub> = 0.375 TON/SO. FT.	13'-0" (3.96 m)	15'-0" (4.57 m)
MEDIUM CLAY O <sub>u</sub> = 0.75 TON/SO. FT.	9'-6" (2.93 m)	10'-9" (3.23 m)
STIFF CLAY O <sub>u</sub> = 1.50 TON/SO. FT.	7'-0" (2.13 m)	8'-0" (2.44 m)
LOOSE SAND φ = 34°	9'-0" (2.74 m)	10'-0" (3.05 m)
MEDIUM SAND φ = 37.5°	8'-3" (2.52 m)	9'-0" (2.74 m)
DENSE SAND φ = 40°	7'-9" (2.36 m)	9'-0" (2.74 m)



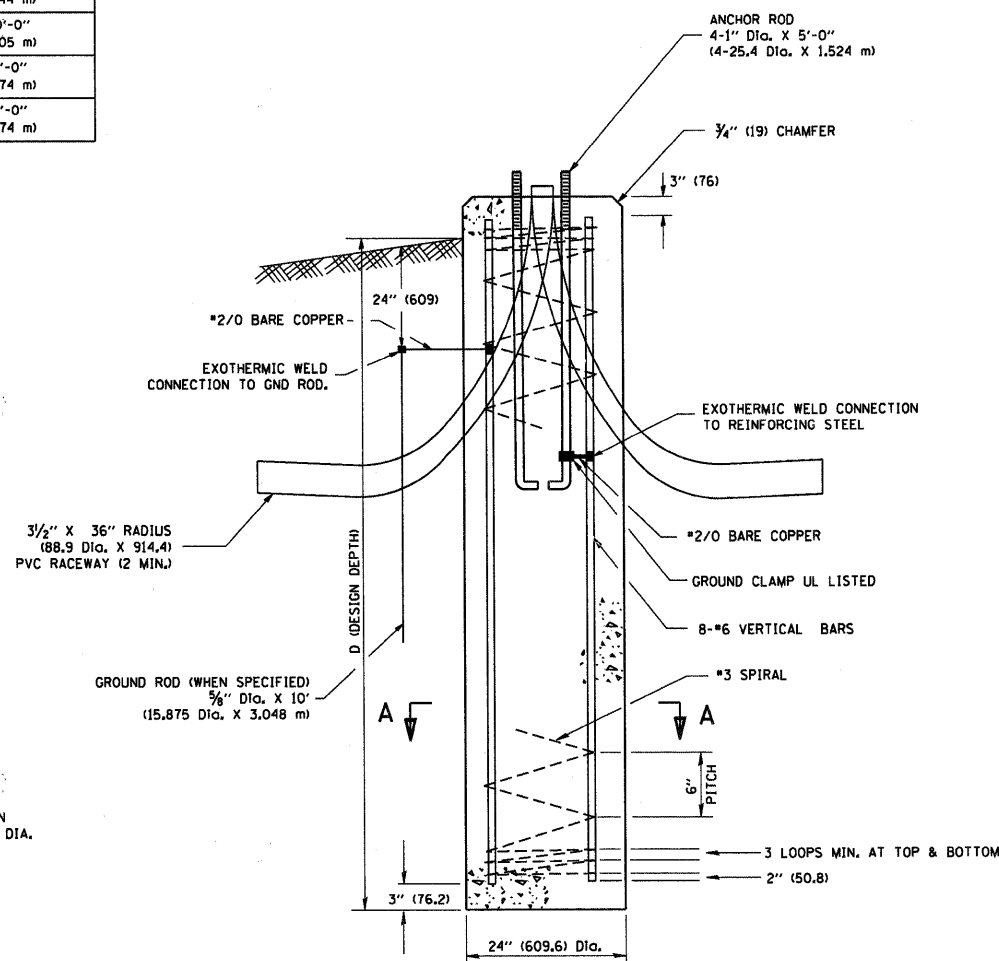
**TOP VIEW**



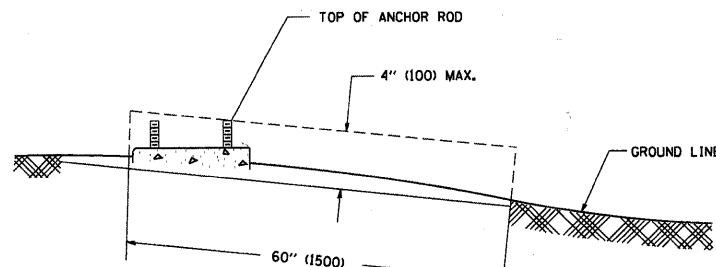
**TOP VIEW**



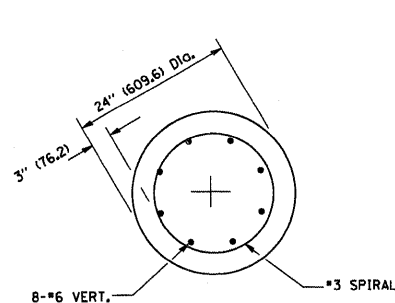
**ANCHOR ROD DETAIL**



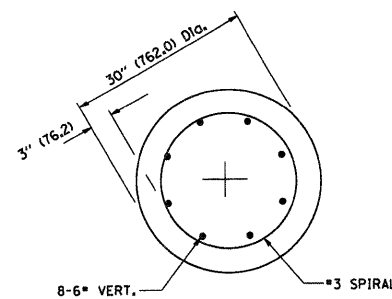
**FOUNDATION DETAIL**



**FOUNDATION EXTENSION DETAIL**



**SECTION A-A**

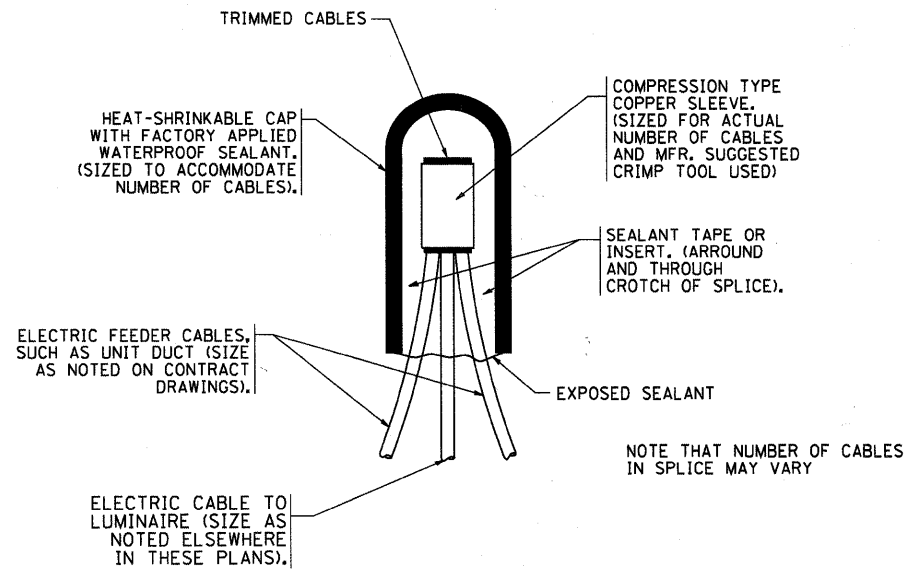


**SECTION A-A**

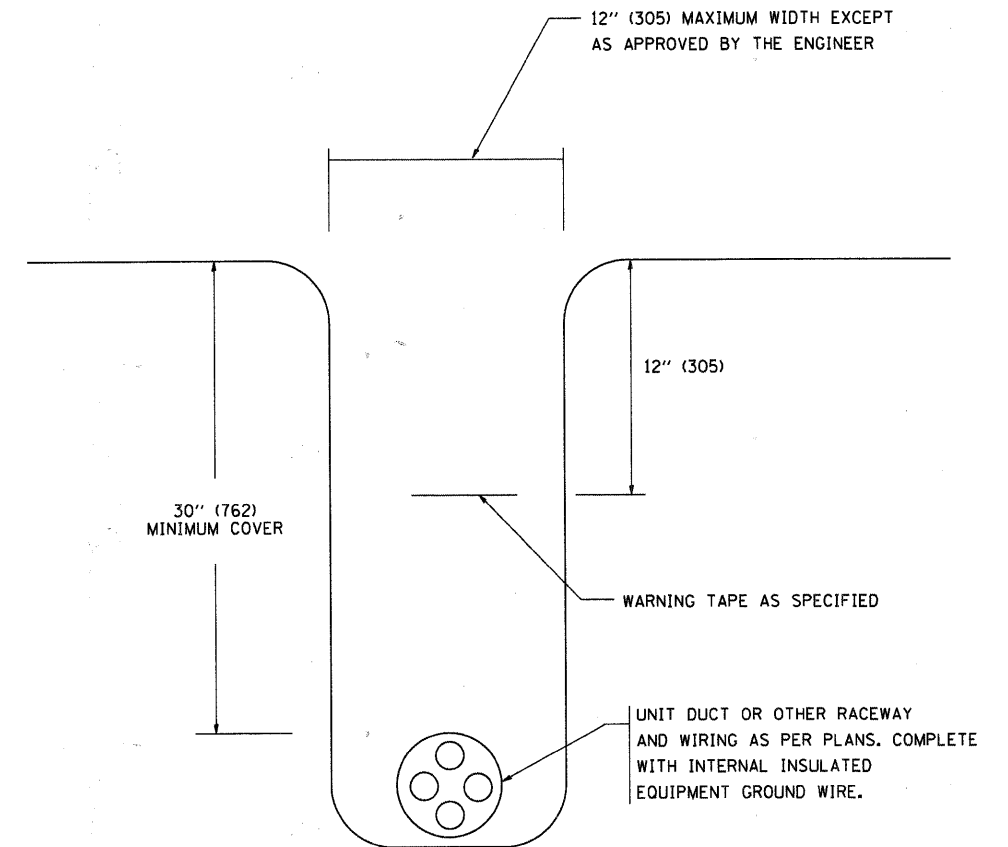
**NOTES**

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED. IN ACCORDANCE WITH AASHTO GUIDELINES, IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS S1. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM/6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

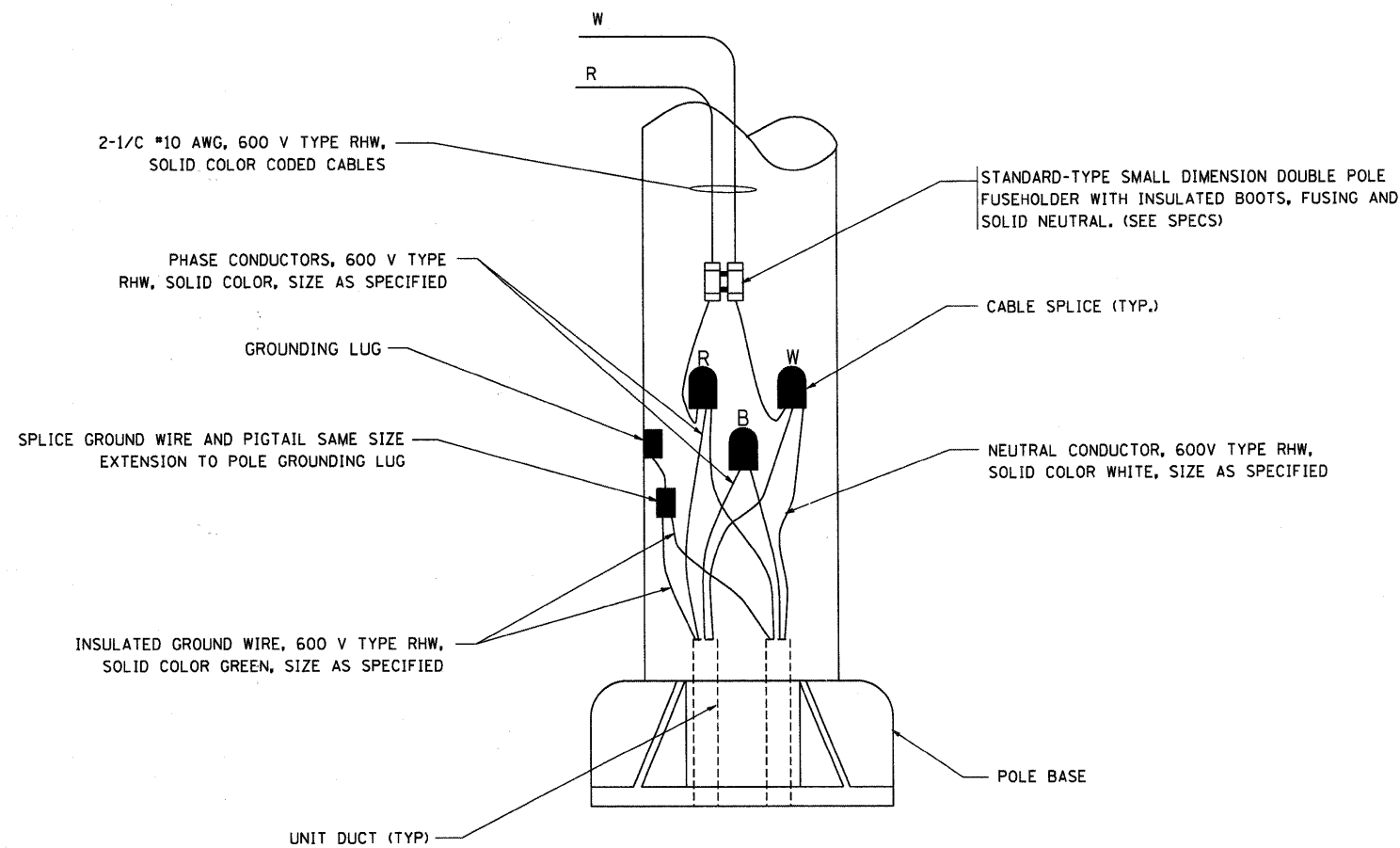
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		DRAWN -	REVISED -		40' (12.192 m) TO 47 1/2' (14.478 m) M.H. 15" (381 mm) BOLT CIRCLE			336	01-00269-00-CH	KANE	124	120
		CHECKED -	REVISED -		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.			BE-301		CONTRACT NO. 63533		
		DATE = 1/4/2008	REVISED -		FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT							



**TYPICAL SPLICE DETAIL**  
N.T.S.

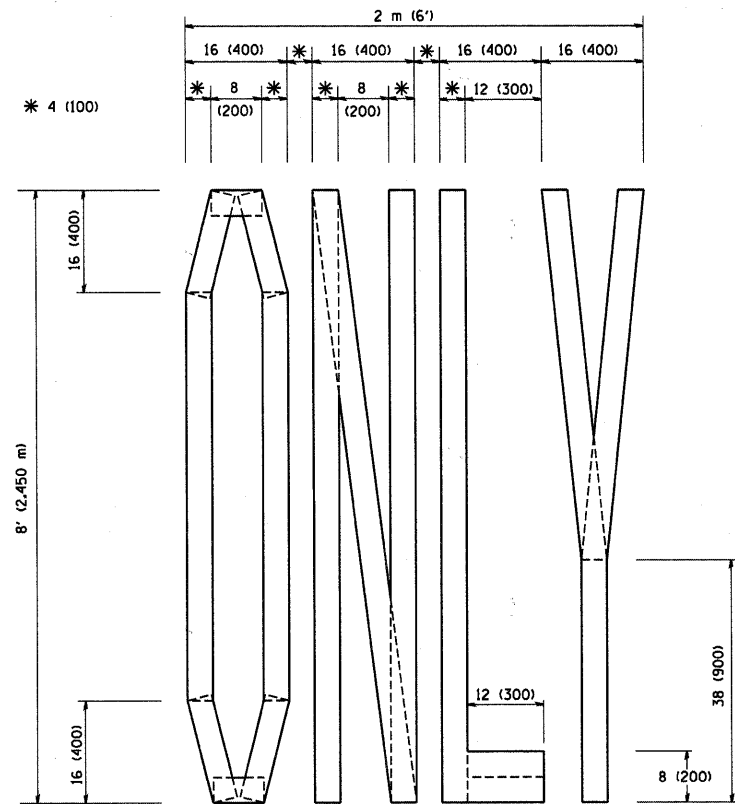


**TYPICAL WIRING IN TRENCH DETAIL**  
N.T.S.

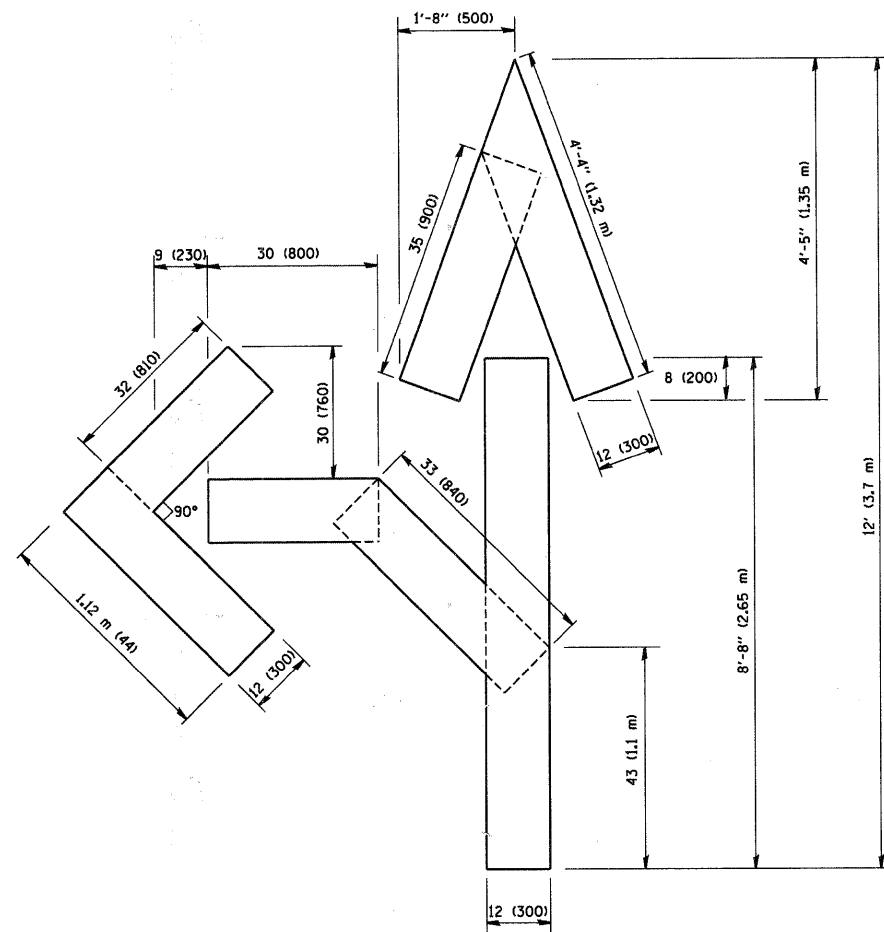


**POLE WIRING DETAIL**  
N.T.S.

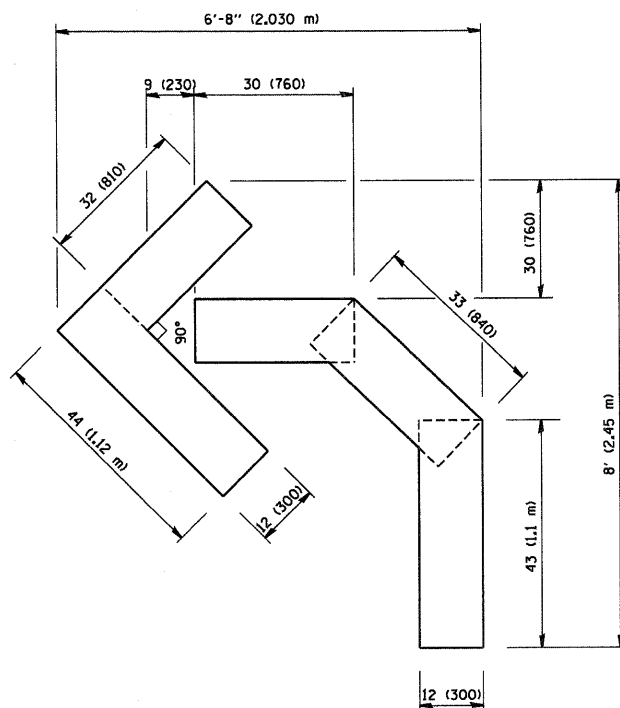
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	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED -					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT
	PLOT DATE = 1/4/2008	DATE -	REVISED -					CONTRACT NO. 63533				



QUANTITY  
 4 (100) LINE = 64.1 ft. (19.7 m)  
 21.1 sq. ft. (1.97 sq. m)



QUANTITY  
 4 (100) LINE = 82.5 ft. (25.3 m)  
 27.5 sq. ft. (2.53 sq. m)



QUANTITY  
 4 (100) LINE = 45.5 ft. (13.9 m)  
 15.2 sq. ft. (1.39 sq. m)

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

FILE NAME = W:\diststd\22x34\td16.dgn	USER NAME = gaglionabt	DESIGNED - DRAWN -	REVISED -T. RAMMACHER 06-05-96 REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 50.0000 "/ IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

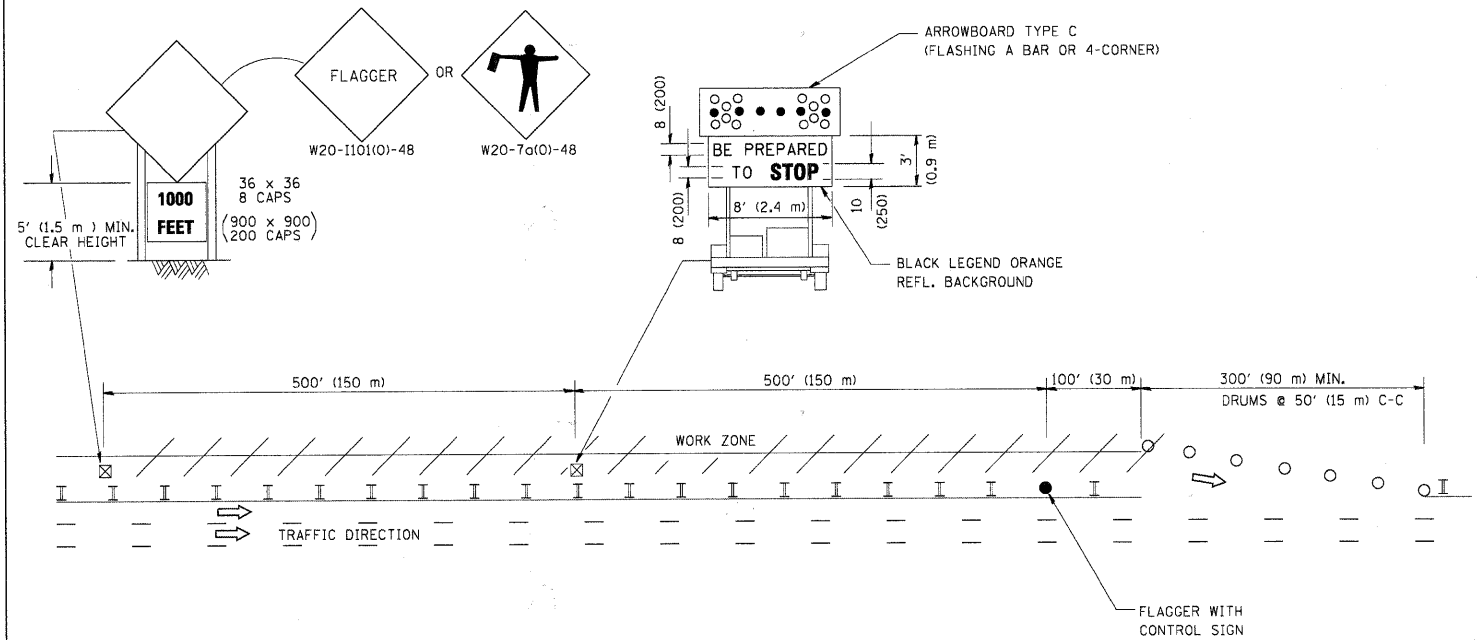
PAVEMENT MARKING LETTERS AND SYMBOLS  
 FOR TRAFFIC STAGING

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

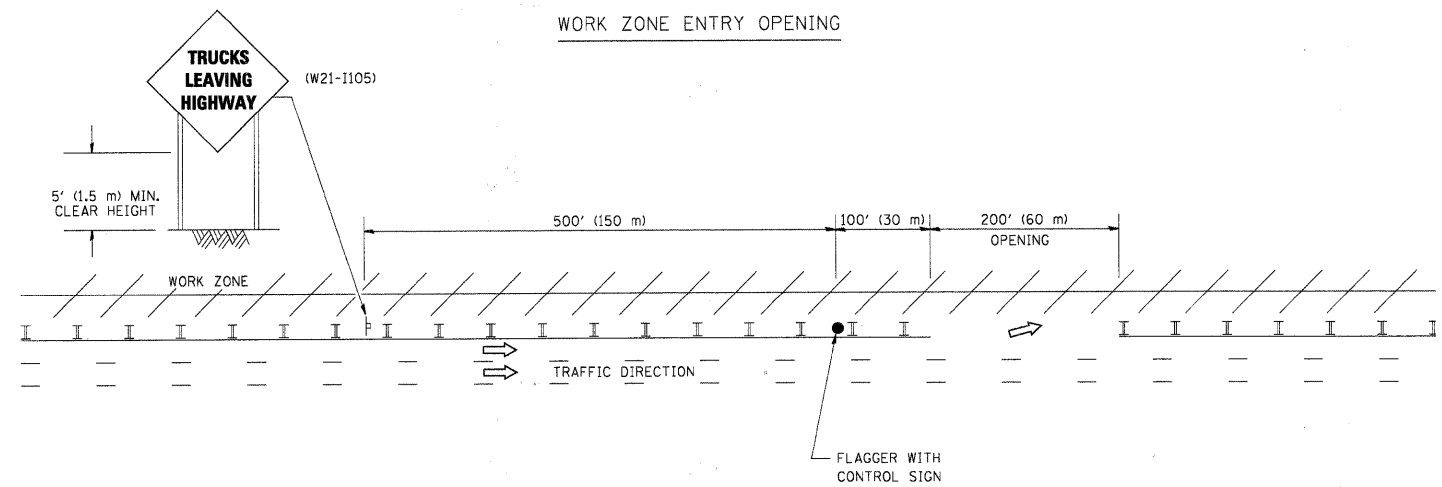
F.A.P. RTE. 336	SECTION 01-00269-00-CH	COUNTY KANE	TOTAL SHEETS 124	SHEET NO. 122
TC-16			CONTRACT NO. 63533	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. THE ARROWBOARD, THE FLAGGER AHEAD SIGN AND THE TRUCKS LEAVING HIGHWAY SIGN SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE EXIT OPENINGS SHOULD BE A MINIMUM OF ONE HALF MILE APART.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

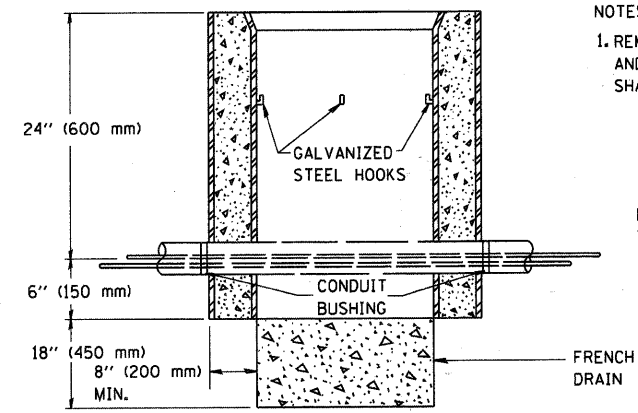
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		DRAWN -	REVISED - J.A.F. 02-06
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - S.P.B. 01-07
	PLOT DATE = 1/26/2010	DATE -	REVISED - S.P.B. 12-09

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

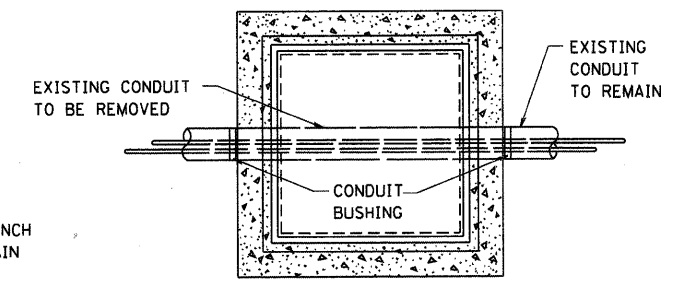
SIGNING FOR FLAGGING OPERATIONS  
AT WORK ZONE OPENINGS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	01-00269-00-CN	KANE	124	123
TC-18			CONTRACT NO. 63533	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:  
1. REMOVAL OF EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHING SHALL BE INCIDENTAL TO THE HANDHOLE.



ELEVATION

PLAN

DETAIL  
HANDHOLE TO INTERCEPT EXISTING CONDUIT

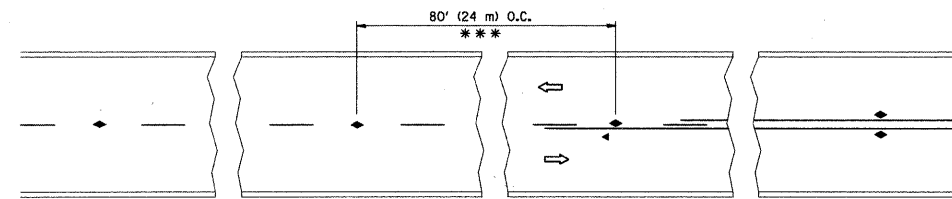
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		CHECKED -	REVISED -
		DATE -	REVISED -
PLOT SCALE = 50,0000' / IN.			
PLOT DATE = 1/4/2008			

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

HANDHOLE TO INTERCEPT EXISTING CONDUIT			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

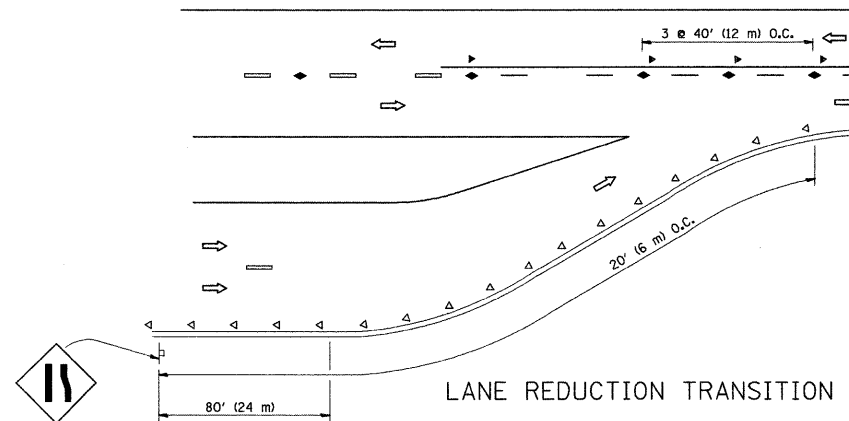
F.A.P. RTE. 336	SECTION 01-00269-00-CH	COUNTY KANE	TOTAL SHEETS 124	SHEET NO. 124
TS-03		CONTRACT NO. 63533		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



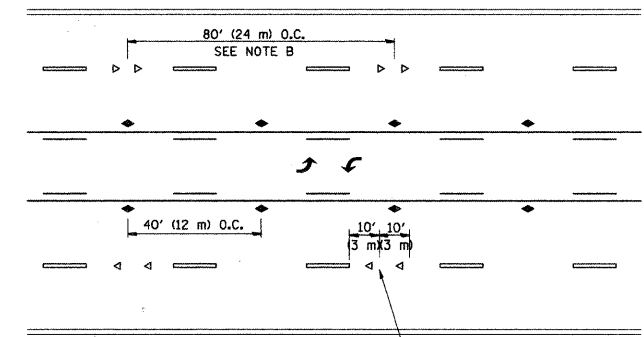


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

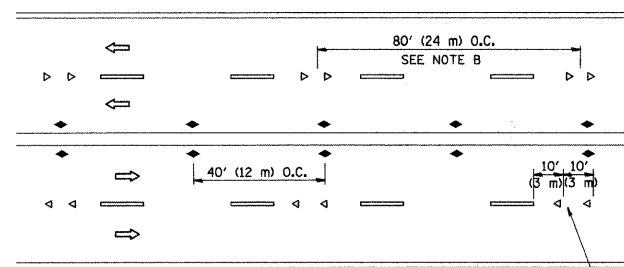
TWO-LANE/TWO-WAY



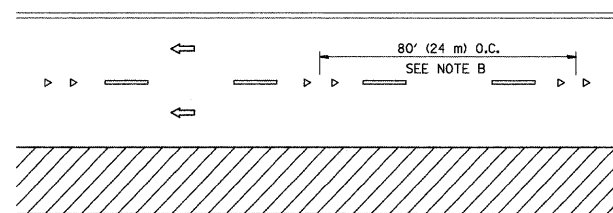
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

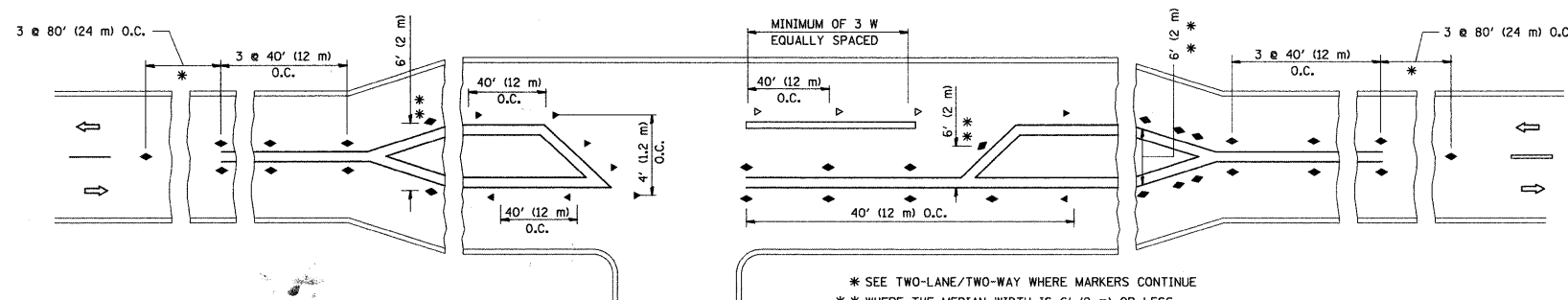
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

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

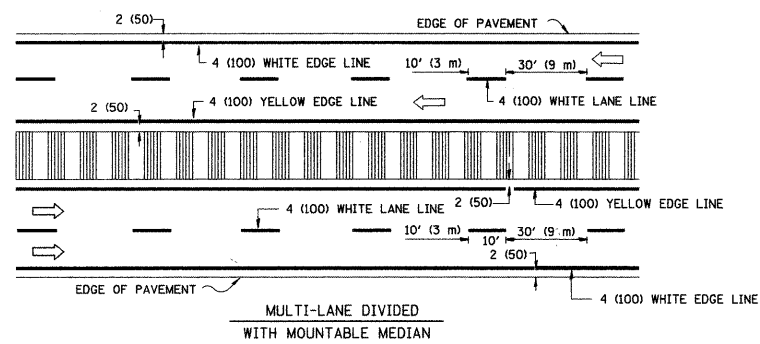
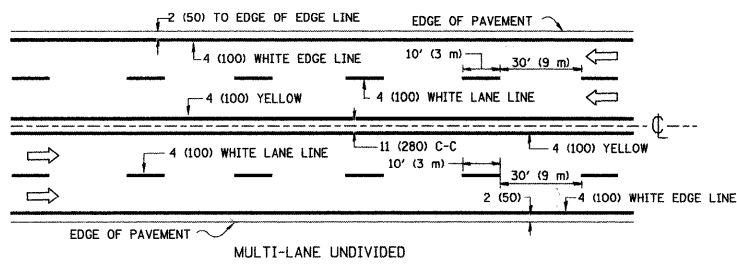
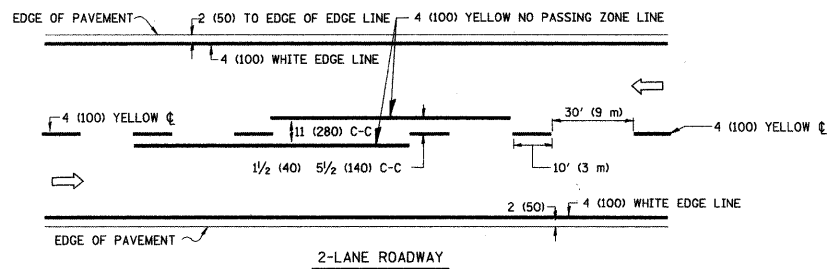
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	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
	PLOT DATE = 9/9/2009	DATE -	REVISED - C. JUCIUS 09-09-09

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS  
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

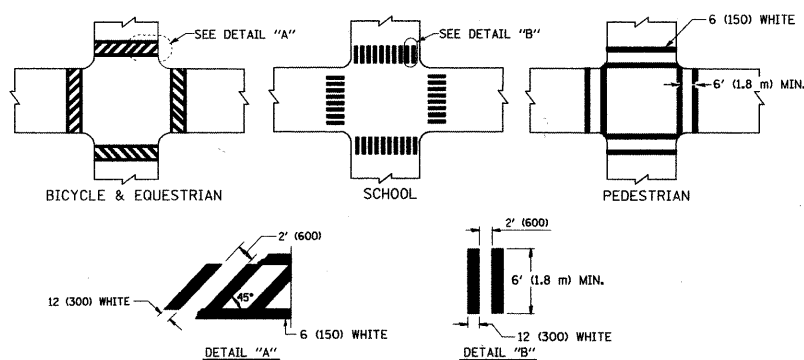
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-11			CONTRACT NO.	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

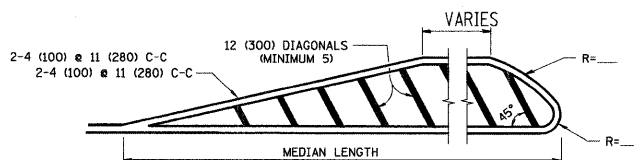
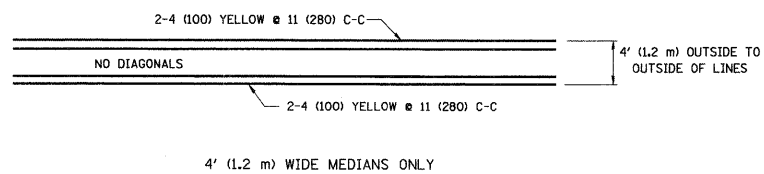


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

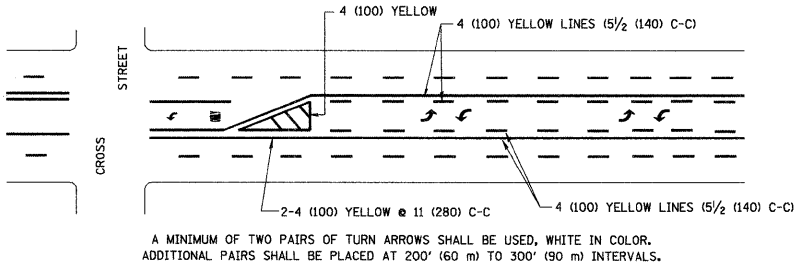


TYPICAL CROSSWALK MARKING

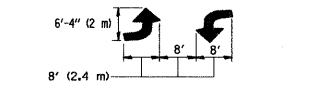


FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.  
 DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

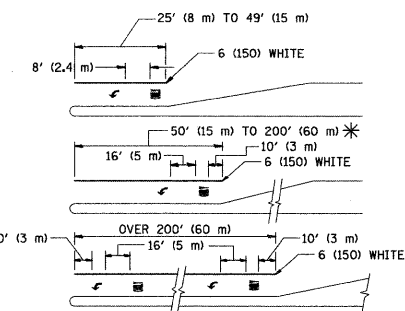


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

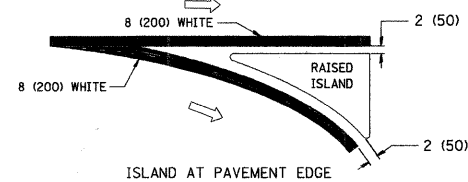
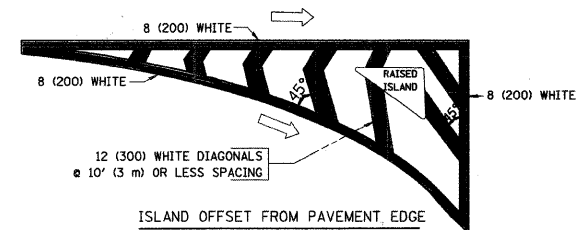
TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
 AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
 \* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

FILE NAME =	USER NAME = drvakosgn	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
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	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-13		124	124B
FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO.		
FED. AID PROJECT				