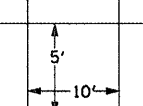
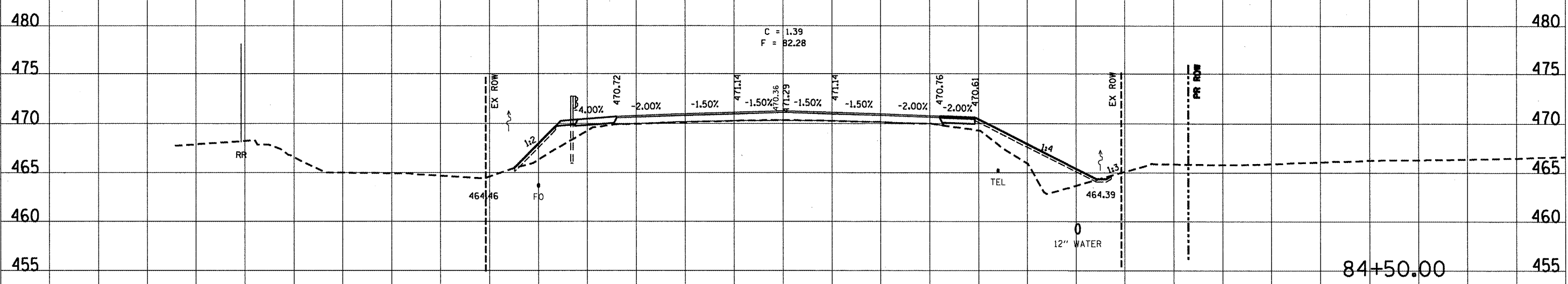
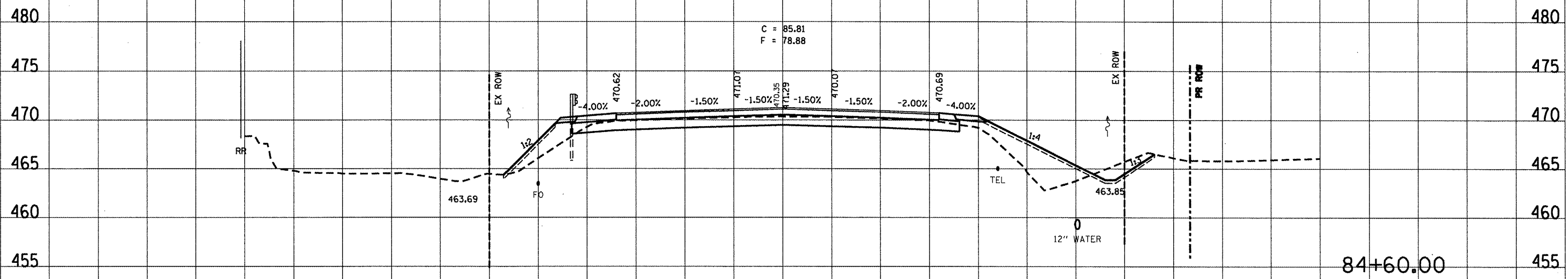


F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64		PEORIA	186	101
STA.		TO STA.		
FED. ROAD DISTRICT NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT 88903				

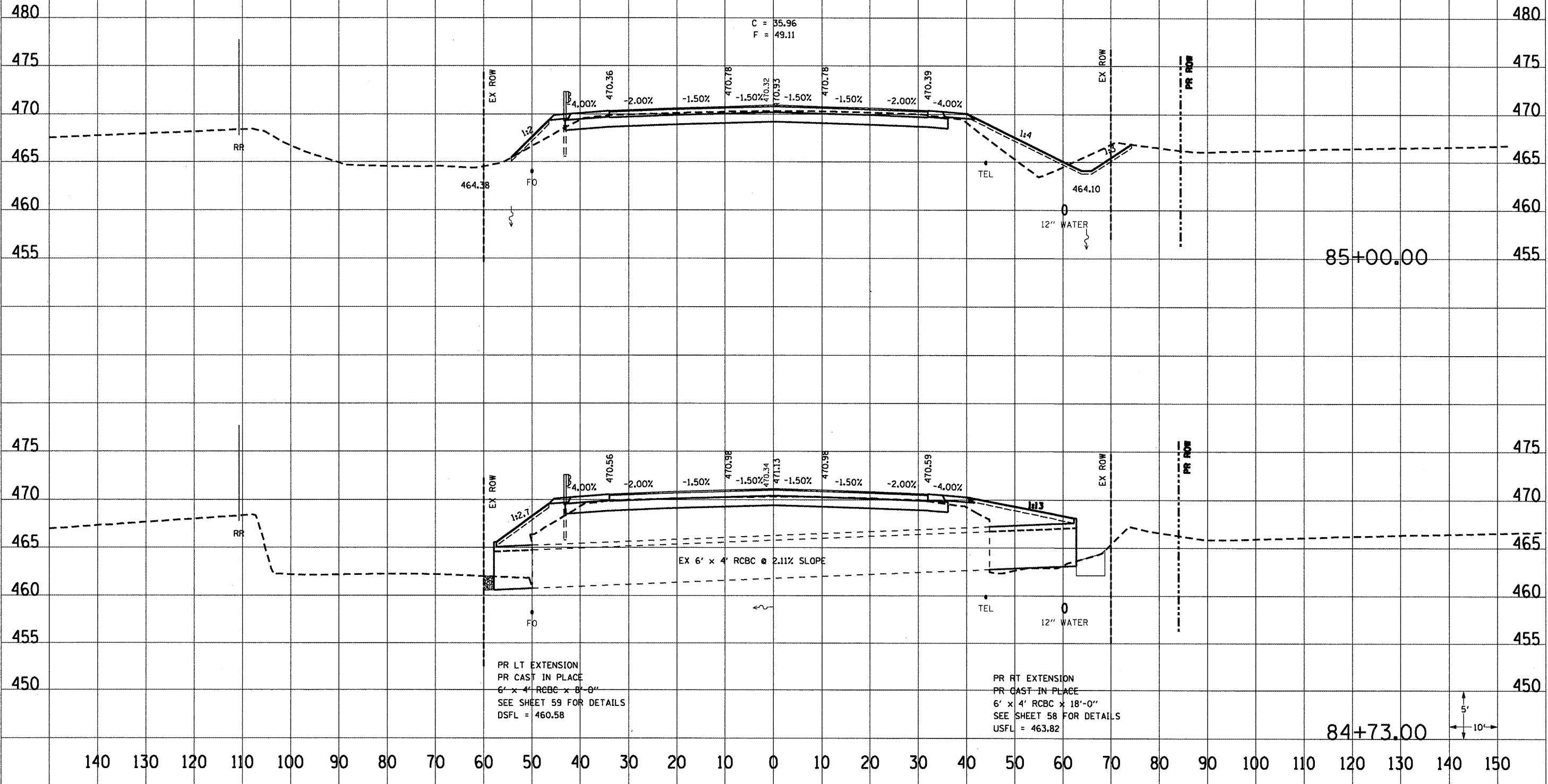
THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. UNLESS ELEVATIONS ARE SHOWN ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.



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

F.A.P. RYE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64		PEORIA	186	102
STA.		TO STA.		
FED. ROAD DISTRICT NO.		ILLINOIS FED. AID PROJECT		
CONTRACT 88603				

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. UNLESS ELEVATIONS ARE SHOWN ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

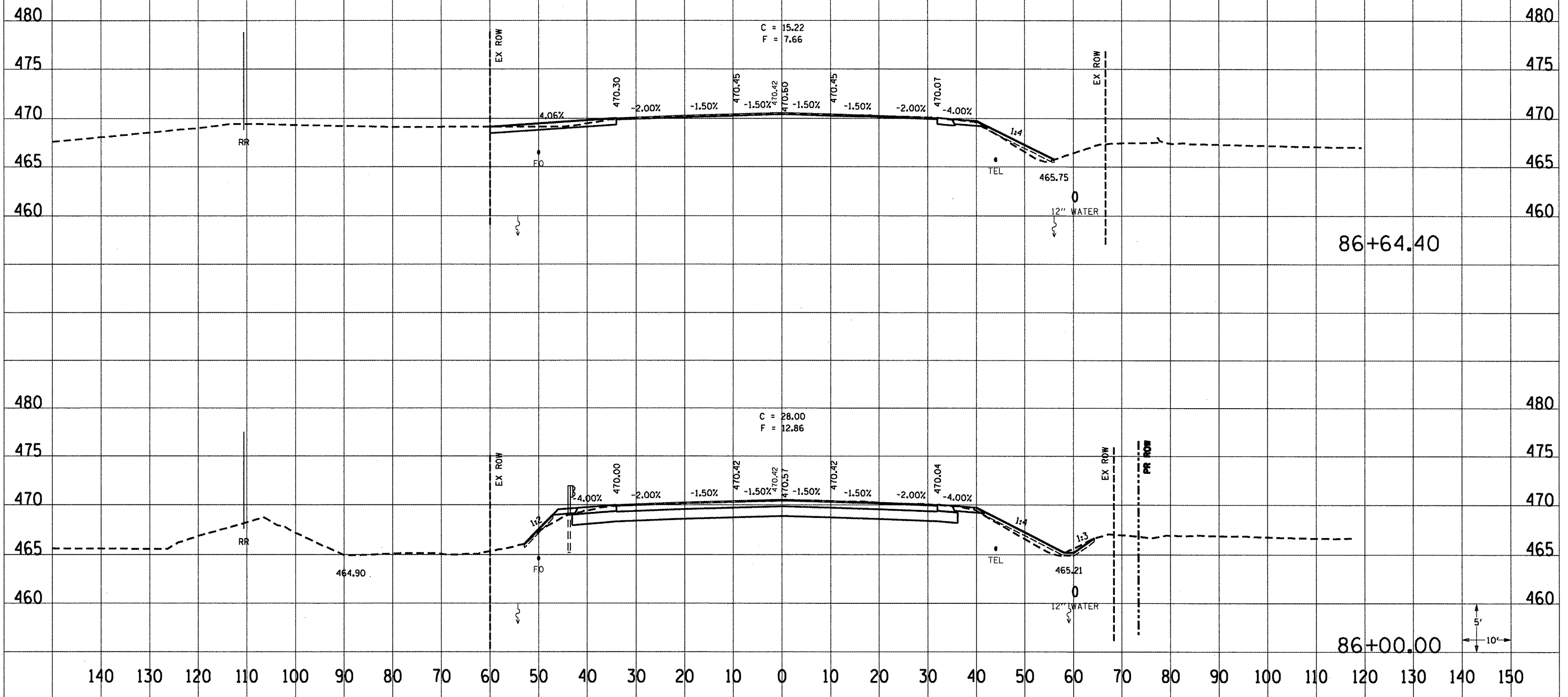


PR LT EXTENSION  
PR CAST IN PLACE  
6' x 4' RCBC x 8'-0"  
SEE SHEET 59 FOR DETAILS  
DSFL = 460.58

PR RT EXTENSION  
PR CAST IN PLACE  
6' x 4' RCBC x 18'-0"  
SEE SHEET 58 FOR DETAILS  
USFL = 463.82

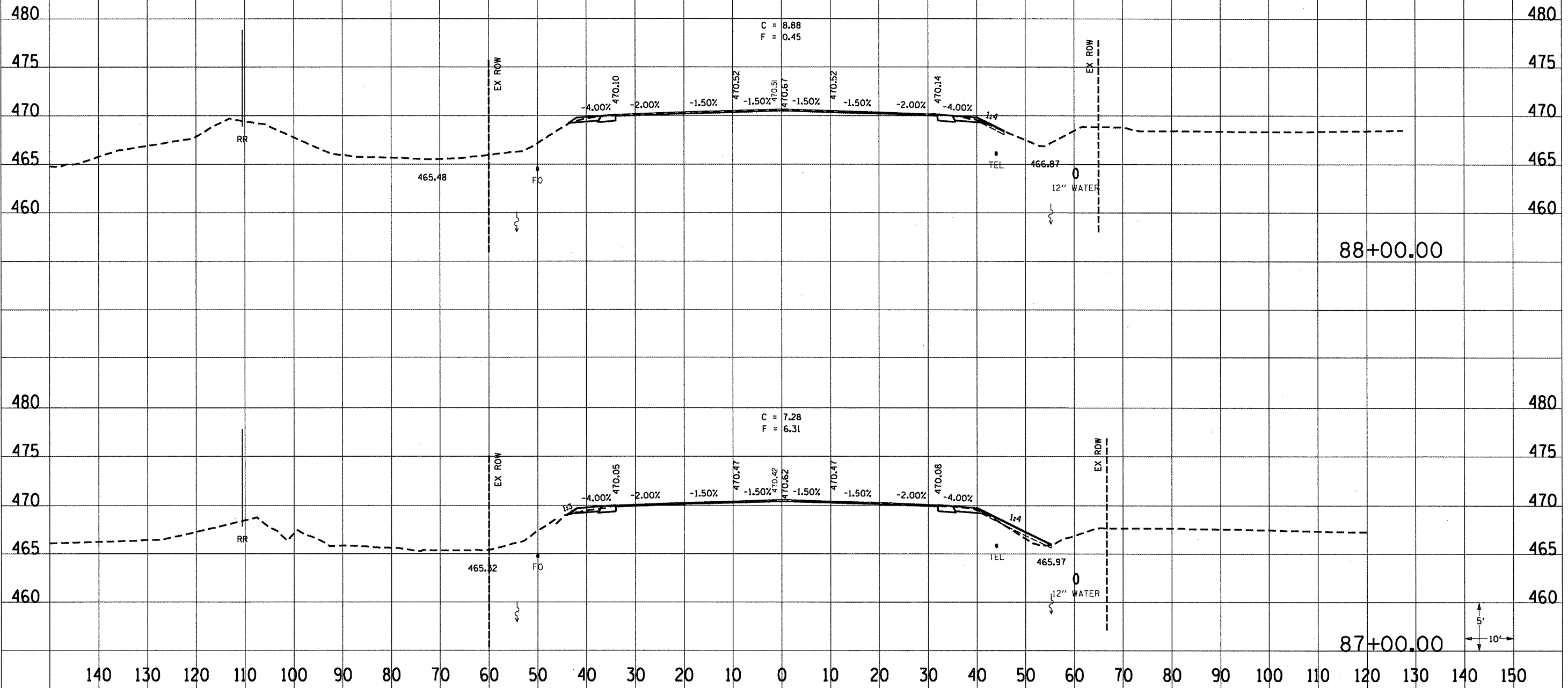
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64		PERIA	186	103
STA.		TO STA.		
FED. ROAD DISTRICT NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT 88903				

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. UNLESS ELEVATIONS ARE SHOWN ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.



F.A.P. RYE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64		PEORIA	186	104
STA.		TO STA.		
FED. ROAD DISTRICT NO.		ILLINOIS FED. AID PROJECT		
CONTRACT 68803				

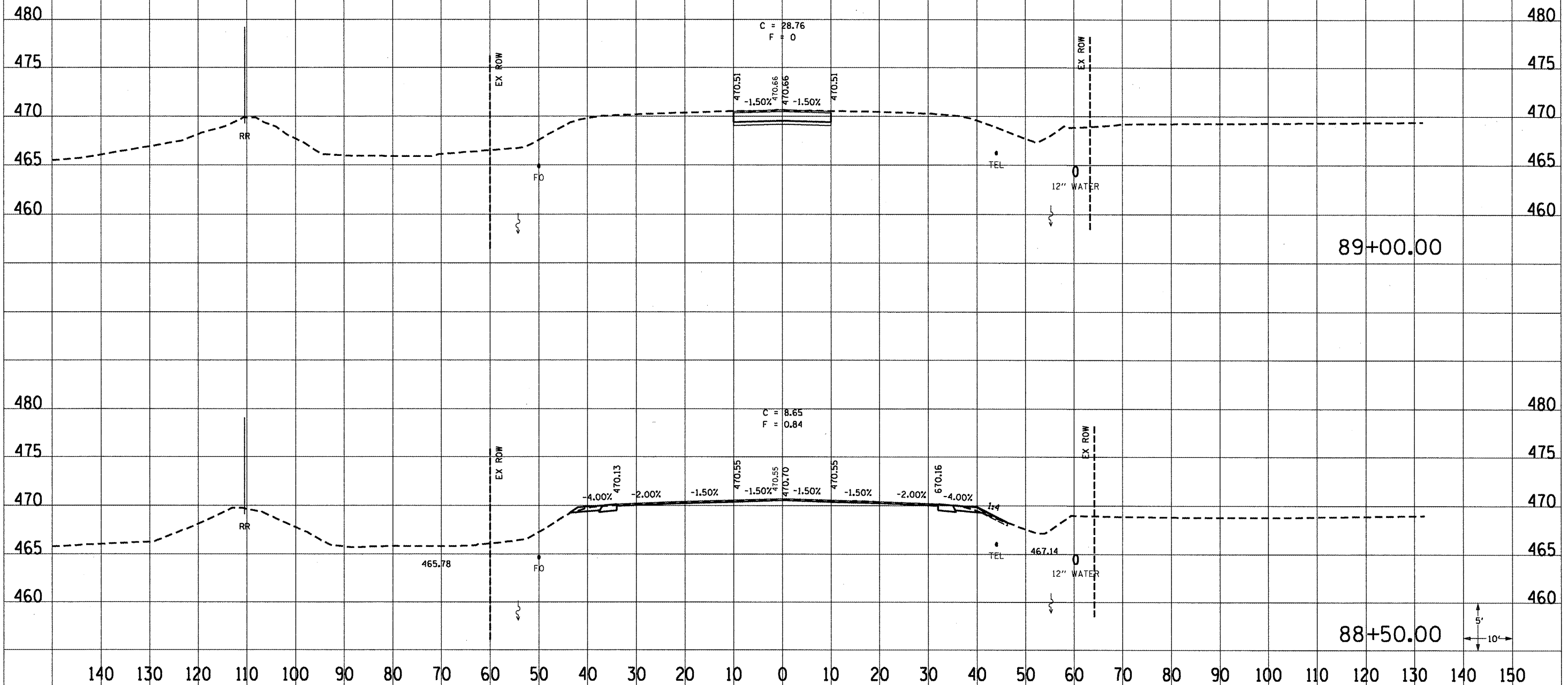
THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. UNLESS ELEVATIONS ARE SHOWN ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.





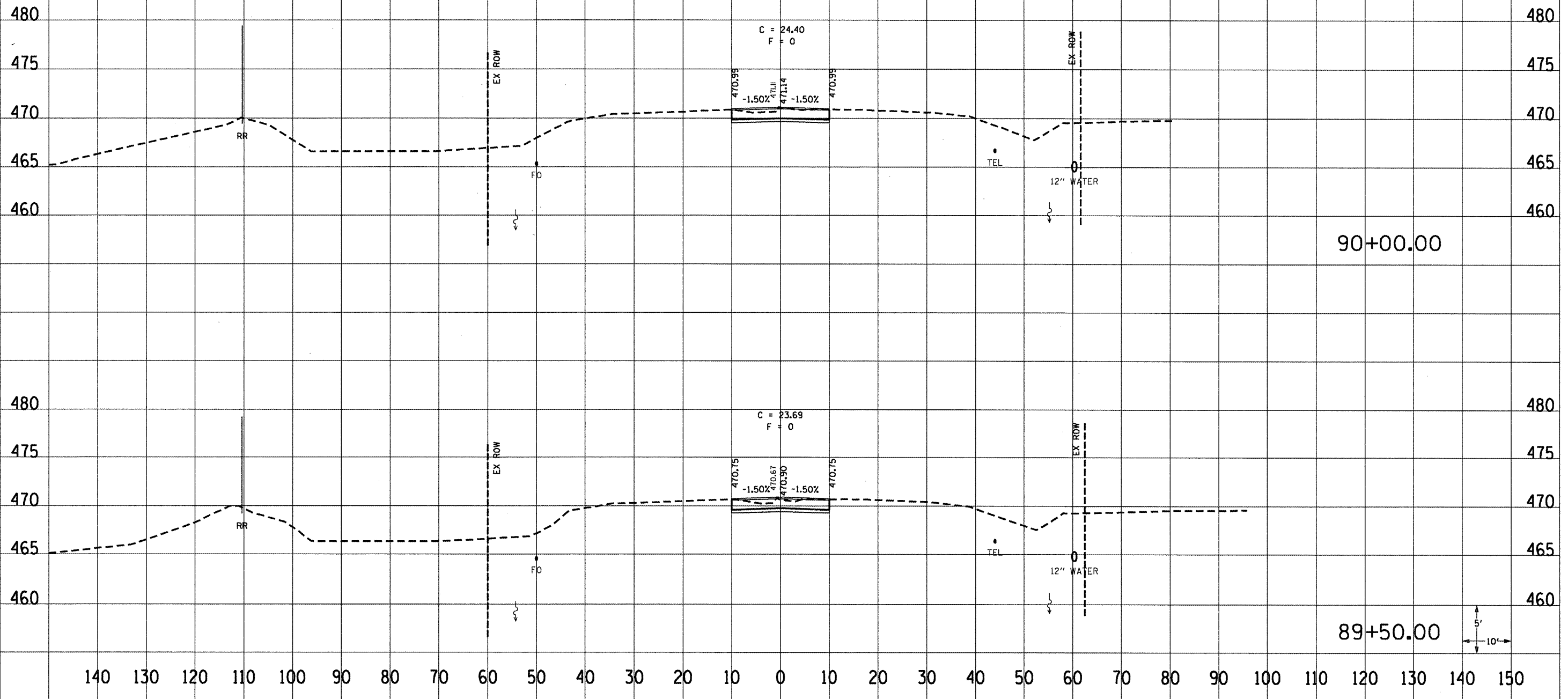
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64		PEORIA	186	105
STA.		TO STA.		
FED. ROAD DISTRICT NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT 88903				

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. UNLESS ELEVATIONS ARE SHOWN ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.



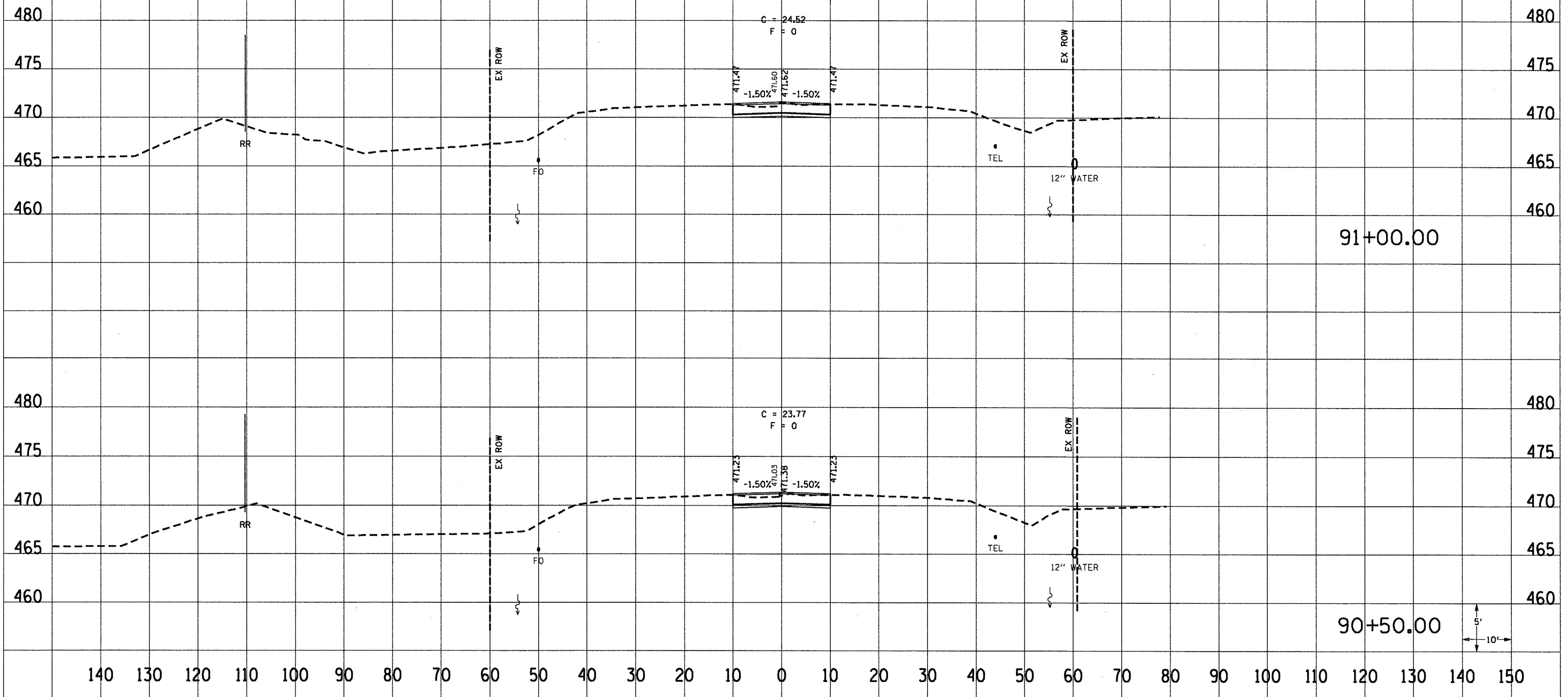
F.A.P. RYE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
E4	*	PEORIA	186	106
STA.		TO STA.		
FED. ROAD DISTRICT NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT 98903				

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED, UNLESS ELEVATIONS ARE SHOWN. ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.



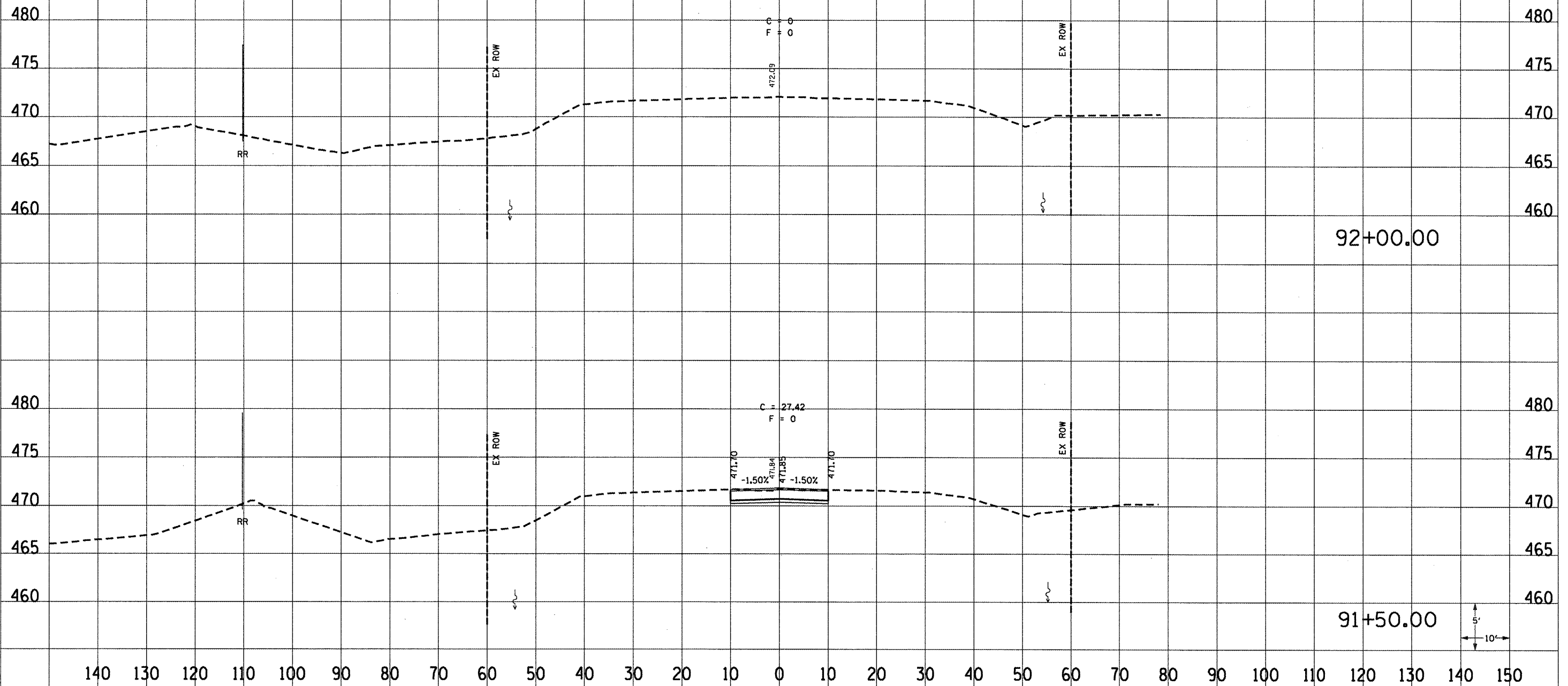
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64		PEORIA	186	107
STA.		TO STA.		
FED. ROAD DISTRICT NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT 8893				

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED, UNLESS ELEVATIONS ARE SHOWN. ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.



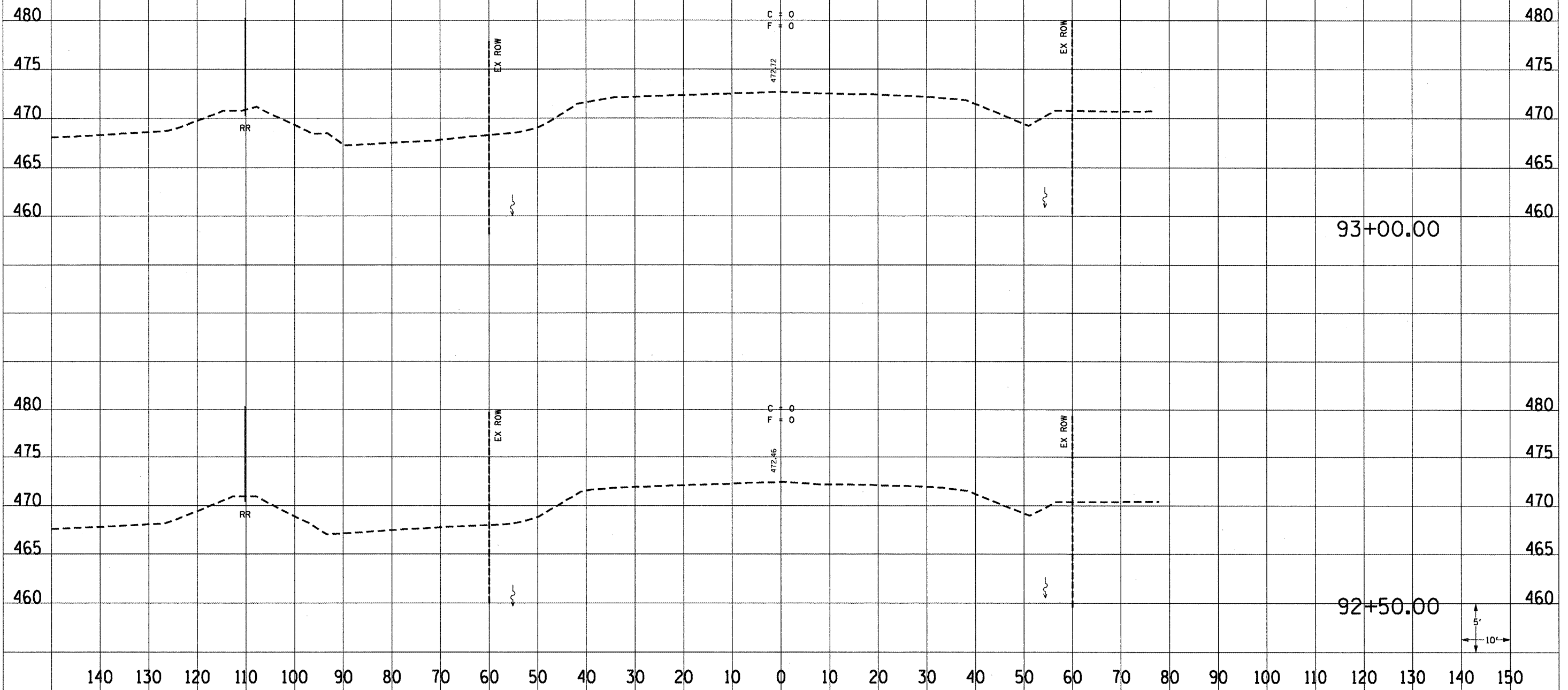
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
64		PERIA	186	108
STA.		TO STA.		
FED. ROAD DISTRICT NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT 88903				

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED, UNLESS ELEVATIONS ARE SHOWN. ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.



F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
64	*	PEORIA	186	109
STA.		TO STA.		
FED. ROAD DISTRICT NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT 88803				

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. UNLESS ELEVATIONS ARE SHOWN ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.



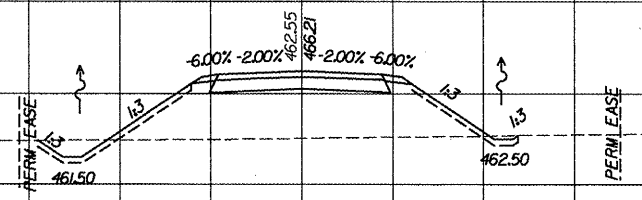
* 0012195-61195-4(10)B18				
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
64		PEORIA	186	110
STA.		TO STA.		
FED. ROAD DISTRICT NO.		ILLINOIS	ILL. RTE 29	
CONTRACT 88903				

470  
465  
460

470  
465  
460

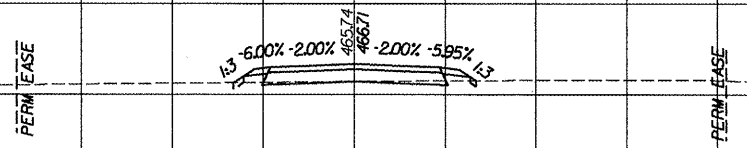
470  
465  
460

470  
465  
460



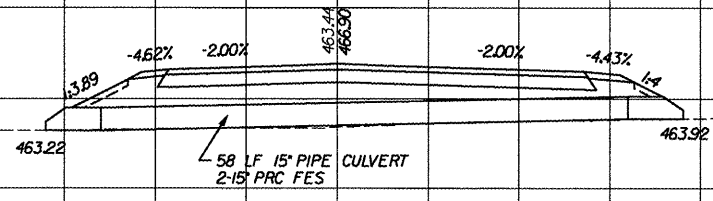
EARTH EXCA = 5 SF  
FILL = 86 SF  
TOPSOIL REPL = 10 SF  
21+50.00

465  
460



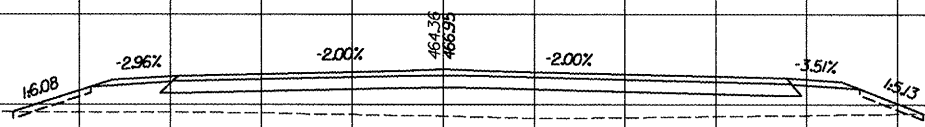
EARTH EXCA = 2 SF  
FILL = 2 SF  
TOPSOIL REPL = 1 SF  
21+00.00

470  
465



20+60.00

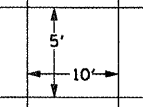
470  
465  
460



EARTH EXCA = 0 SF  
FILL = 124 SF  
TOPSOIL REPL = 5 SF  
20+50.00

470  
465

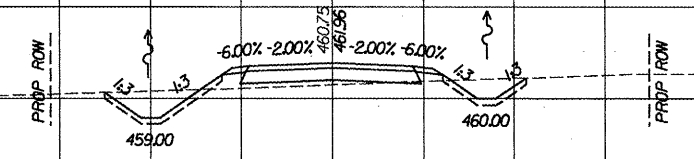
140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



110121RS-611RS-4100BR			
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS
64		PEORIA	186
STA.		TO STA.	
FED. ROAD DISTRICT NO.		ILLINOIS	ILL. RTE 29
CONTRACT 68803			

465

460



EARTH EXCA = 14 SF  
 FILL = 6 SF  
 TOPSOIL REPL = 7 SF

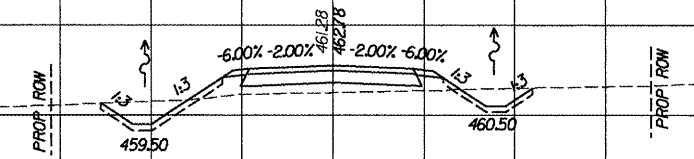
24+00.00

465

460

465

460



EARTH EXCA = 12 SF  
 FILL = 14 SF  
 TOPSOIL REPL = 8 SF

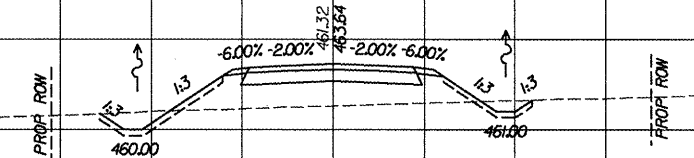
23+50.00

465

460

465

460



EARTH EXCA = 7 SF  
 FILL = 38 SF  
 TOPSOIL REPL = 8 SF

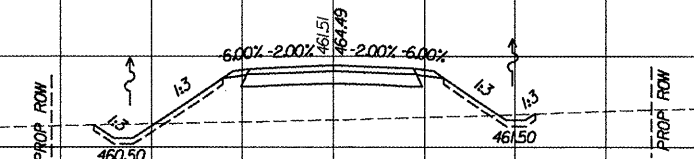
23+00.00

465

460

465

460



EARTH EXCA = 4 SF  
 FILL = 60 SF  
 TOPSOIL REPL = 8 SF

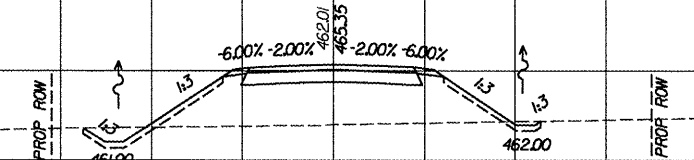
22+50.00

465

460

465

460

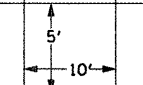


EARTH EXCA = 4 SF  
 FILL = 74 SF  
 TOPSOIL REPL = 9 SF

22+00.00

465

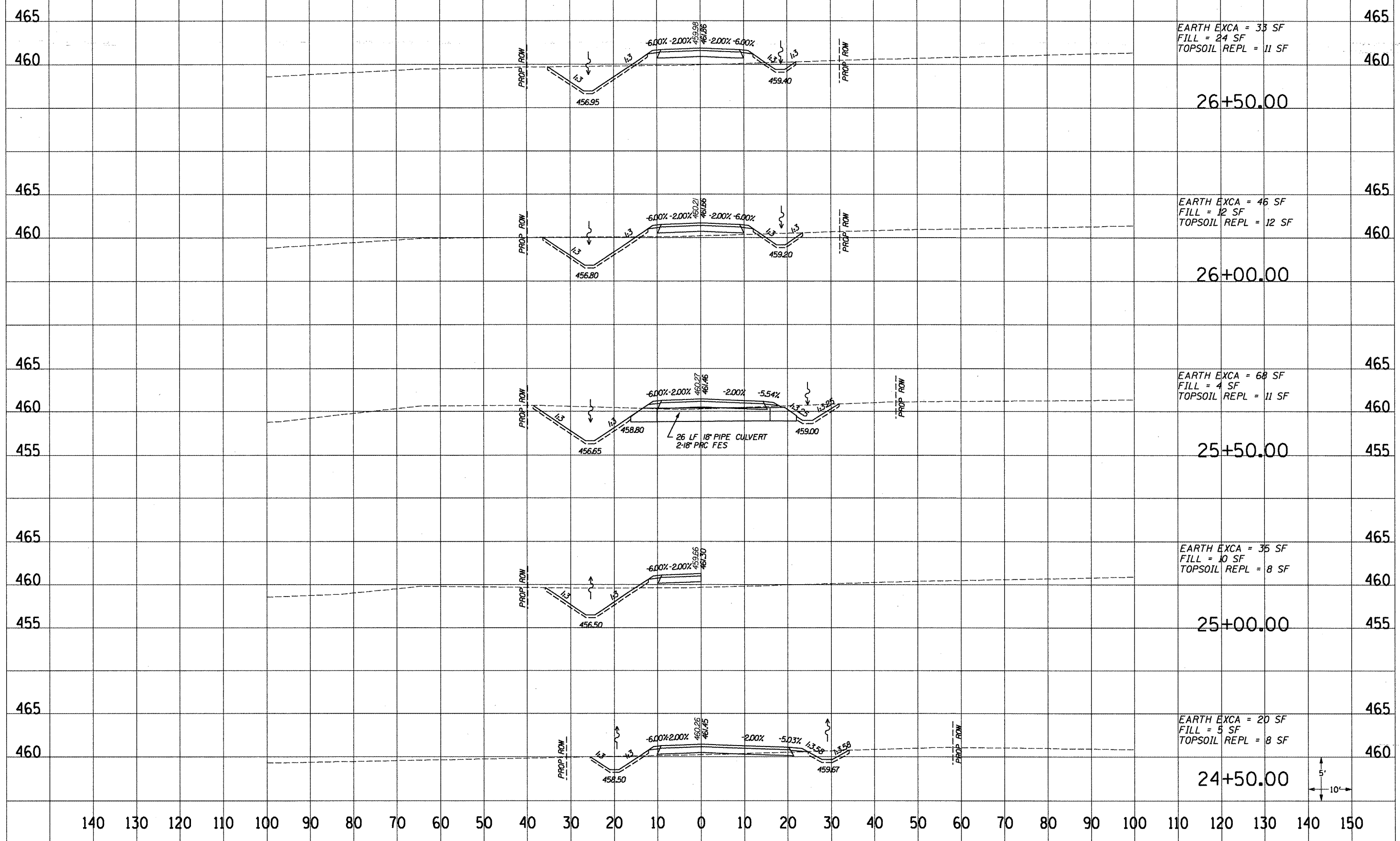
460



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

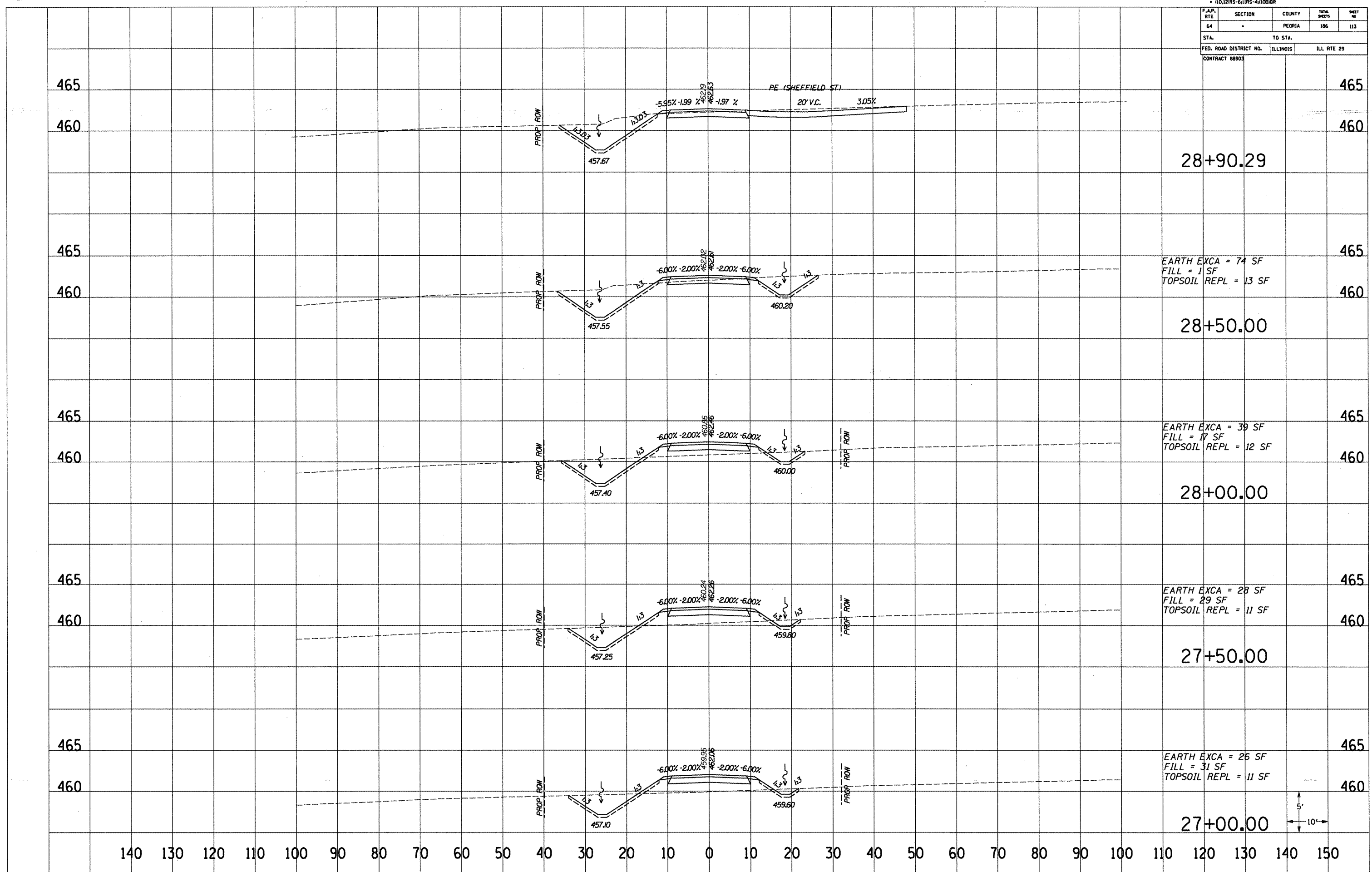


• 110,12195-61195-410018R				
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
64		PEORIA	186	112
STA.		TO STA.		
FED. ROAD DISTRICT NO.		ILLINOIS	ILL. RTE 29	
CONTRACT 68803				



RELOCATED TR103

110121RS-611RS-41101BR			
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS
64		PEORIA	186
STA.		TO STA.	
FED. ROAD DISTRICT NO.		ILLINOIS	ILL. RTE 29
CONTRACT 88803			

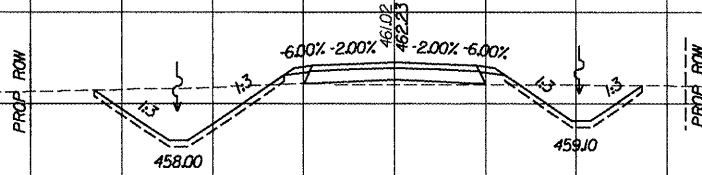


RELOCATED TR103

110.12195-61195-4100BR				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64		PEORIA	186	114
STA.		TO STA.		
FED. ROAD DISTRICT NO.		ILLINOIS	ILL. RTE 29	
CONTRACT 8803				

465

460



EARTH EXCA = 45 SF  
 FILL = 6 SF  
 TOPSOIL REPL = 12 SF

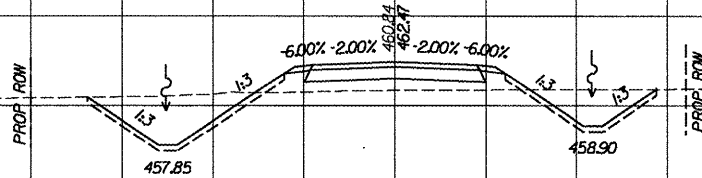
30+00.00

465

460

465

460



EARTH EXCA = 43 SF  
 FILL = 18 SF  
 TOPSOIL REPL = 8 SF

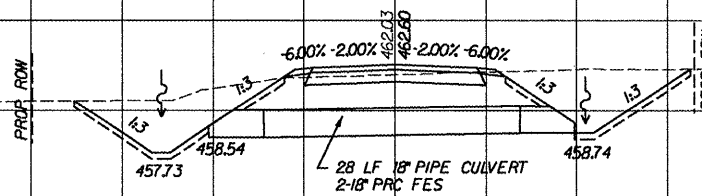
29+50.00

465

460

465

460



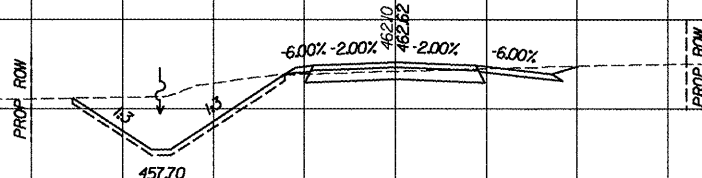
29+10.00

465

460

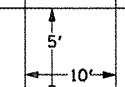
465

460



EARTH EXCA = 55 SF  
 FILL = 0 SF  
 TOPSOIL REPL = 8 SF

29+00.00



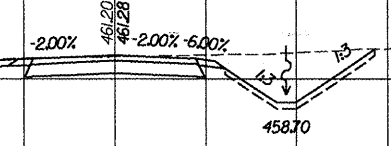
140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
64		PEORIA	186	115
STA.		TO STA.		
FED. ROAD DISTRICT NO.		ILLINOIS	ILL. RTE 29	
CONTRACT 8803				

465

460

EX ROW



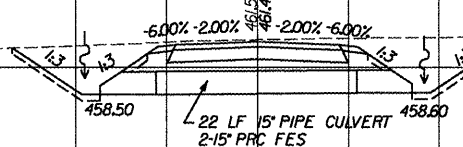
EARTH EXCA = 48 SF  
 FILL = 0 SF  
 TOPSOIL REPL = 7 SF

32+00.00

465

460

PROP ROW



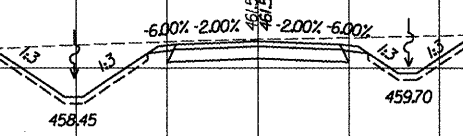
22 LF 15" PIPE CULVERT  
 2-15" PRC FES

31+67.00

465

460

PROP ROW



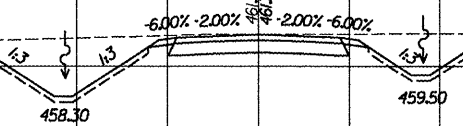
EARTH EXCA = 70 SF  
 FILL = 0 SF  
 TOPSOIL REPL = 10 SF

31+50.00

465

460

PROP ROW



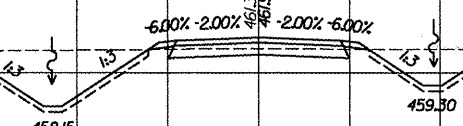
EARTH EXCA = 80 SF  
 FILL = 0 SF  
 TOPSOIL REPL = 11 SF

31+00.00

465

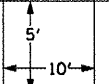
460

PROP ROW



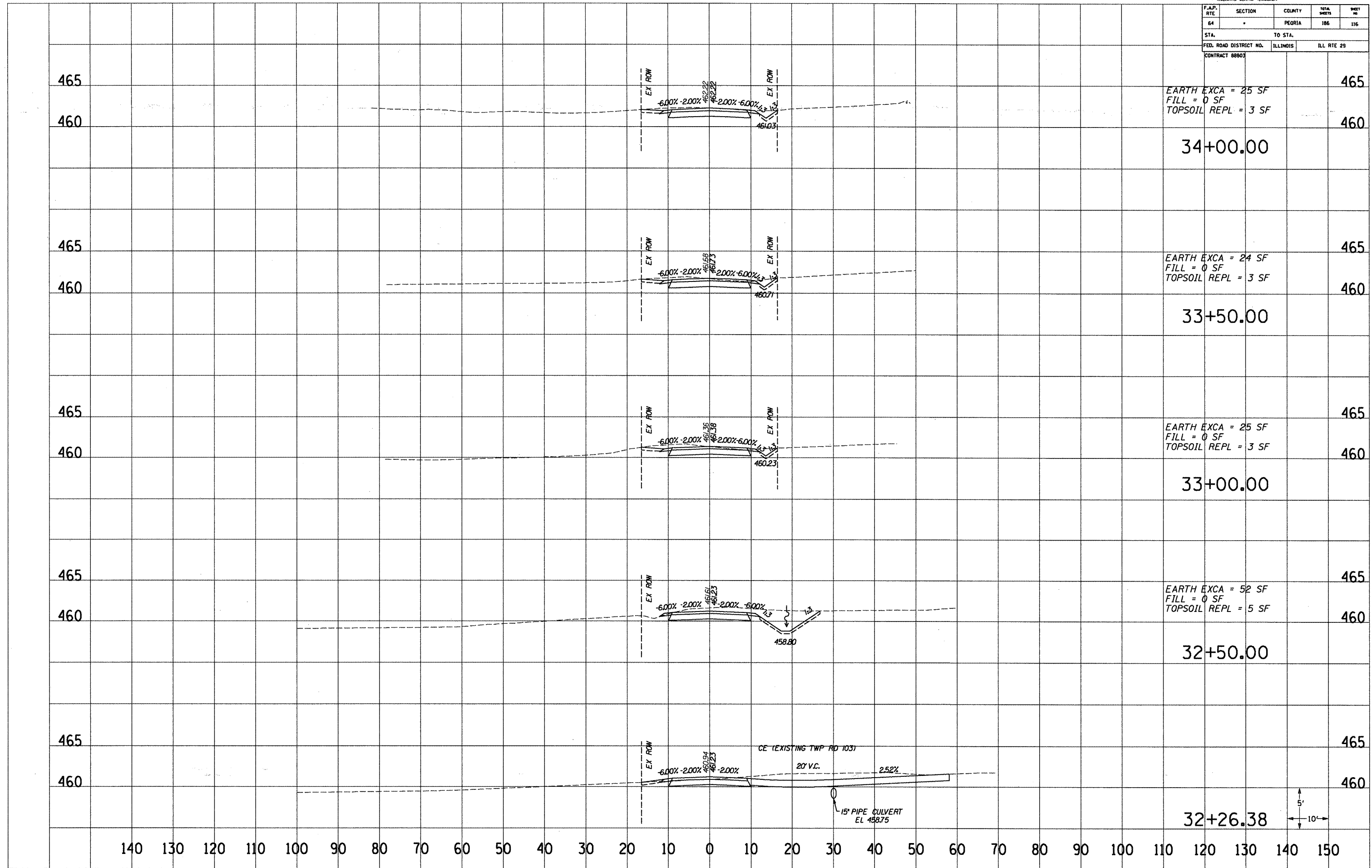
EARTH EXCA = 59 SF  
 FILL = 0 SF  
 TOPSOIL REPL = 12 SF

30+50.00



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

* 110.121RS-611RS-411018R			
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS
64	*	PEORIA	186
STA.		TO STA.	
FED. ROAD DISTRICT NO.		ILLINOIS	ILL. RTE 29
CONTRACT 88903			



465  
460  
EARTH EXCA = 25 SF  
FILL = 0 SF  
TOPSOIL REPL = 3 SF  
34+00.00

465  
460  
EARTH EXCA = 24 SF  
FILL = 0 SF  
TOPSOIL REPL = 3 SF  
33+50.00

465  
460  
EARTH EXCA = 25 SF  
FILL = 0 SF  
TOPSOIL REPL = 3 SF  
33+00.00

465  
460  
EARTH EXCA = 52 SF  
FILL = 0 SF  
TOPSOIL REPL = 5 SF  
32+50.00

465  
460  
CE (EXISTING TWP RD 103)  
20' V.C.  
15' PIPE CULVERT  
EL 458.75  
2.52%  
32+26.38

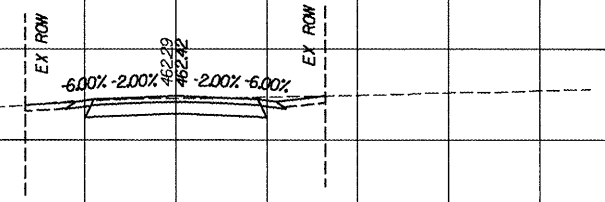
140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

RELOCATED TR103

110.121RS-611RS-4(10)BR				
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
64	*	PEORIA	186	117
STA.		TO STA.		
FED. ROAD DISTRICT NO.		ILLINOIS	ILL. RTE 29	
CONTRACT 98803				

465

460



EARTH EXCA = 20 SF  
 FILL = 0 SF  
 TOPSOIL REPL = 3 SF

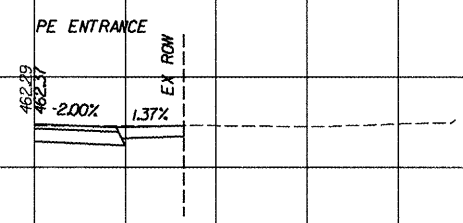
34+50.00

465

460

465

460



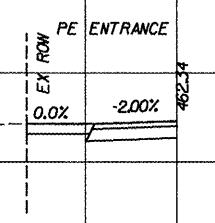
34+28.00

465

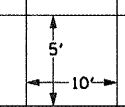
460

465

460



34+20.00

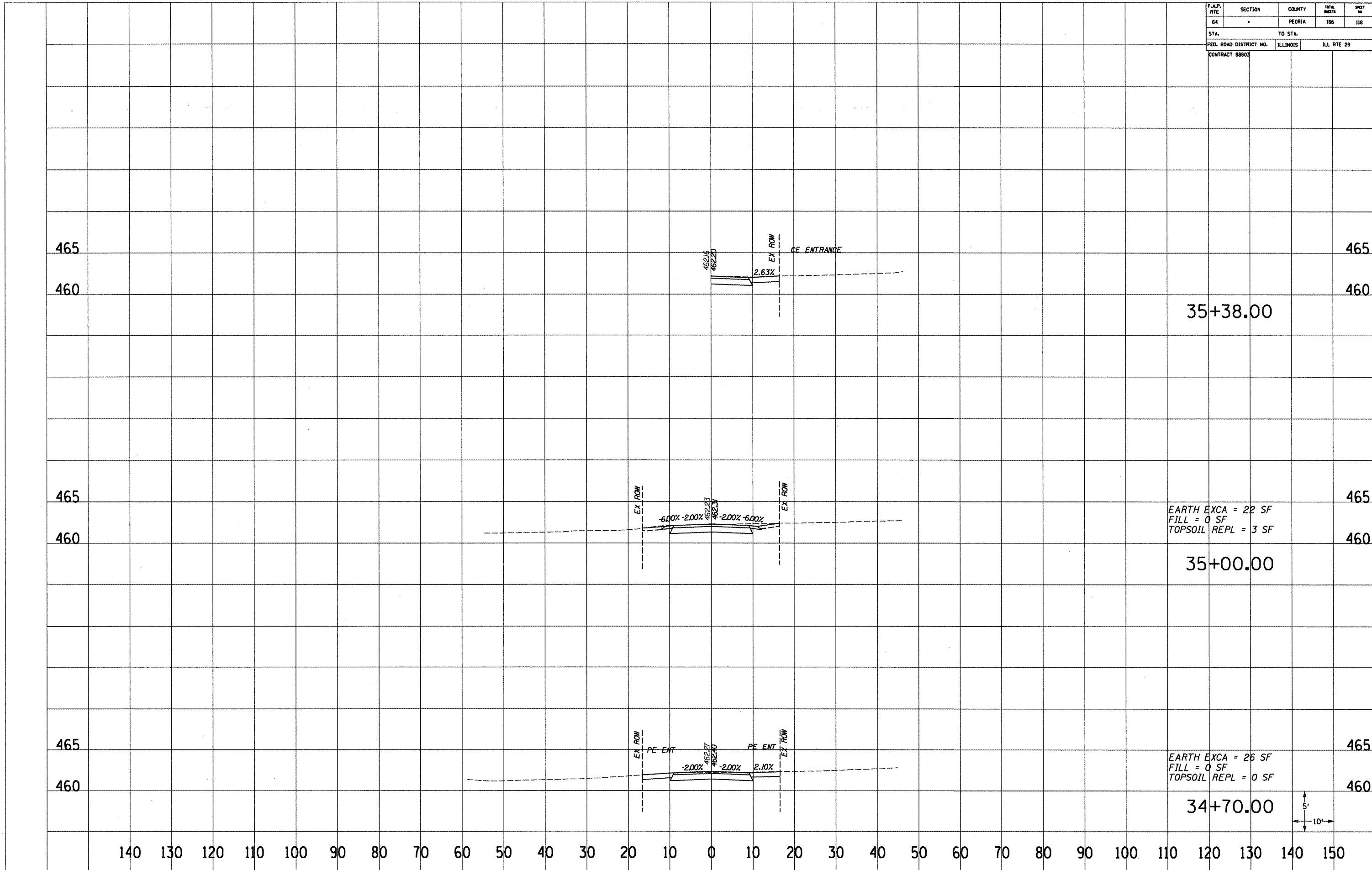


465

460

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

110.121R5-611R5-4100BR			
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS
64	*	PEORIA	186
STA.		TO STA.	
FED. ROAD DISTRICT NO.		ILLINOIS	ILL. RTE 29
CONTRACT 88903			



EARTH EXCA = 22 SF  
 FILL = 0 SF  
 TOPSOIL REPL = 3 SF

EARTH EXCA = 26 SF  
 FILL = 0 SF  
 TOPSOIL REPL = 0 SF

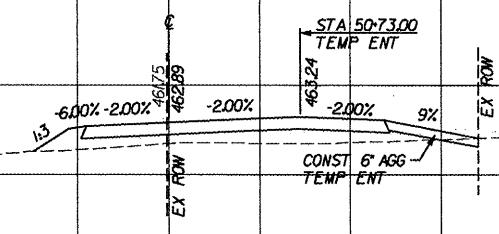


* 110.121RS-611RS-4100BR				
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
64		PEORIA	186	119
STA.		TO STA.		
FED. ROAD DISTRICT NO.		ILLINOIS	ILL. RTE 29	
CONTRACT 8803				

470

465

460



EARTH EXCA = 1 SF  
FILL = 28 SF

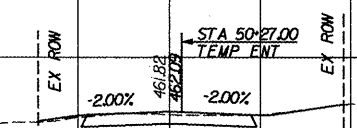
36+44.00  
STAGE I

465

460

465

460



EARTH EXCA = 11 SF  
FILL = 1 SF

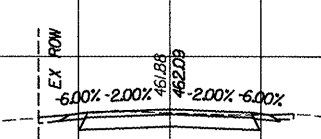
36+00.00  
STAGE I

465

460

465

460



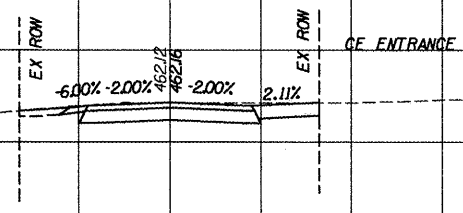
35+72.97

465

460

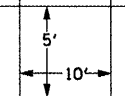
465

460



EARTH EXCA = 25 SF  
FILL = 0 SF  
TOPSOIL REPL = 2 SF

35+50.00

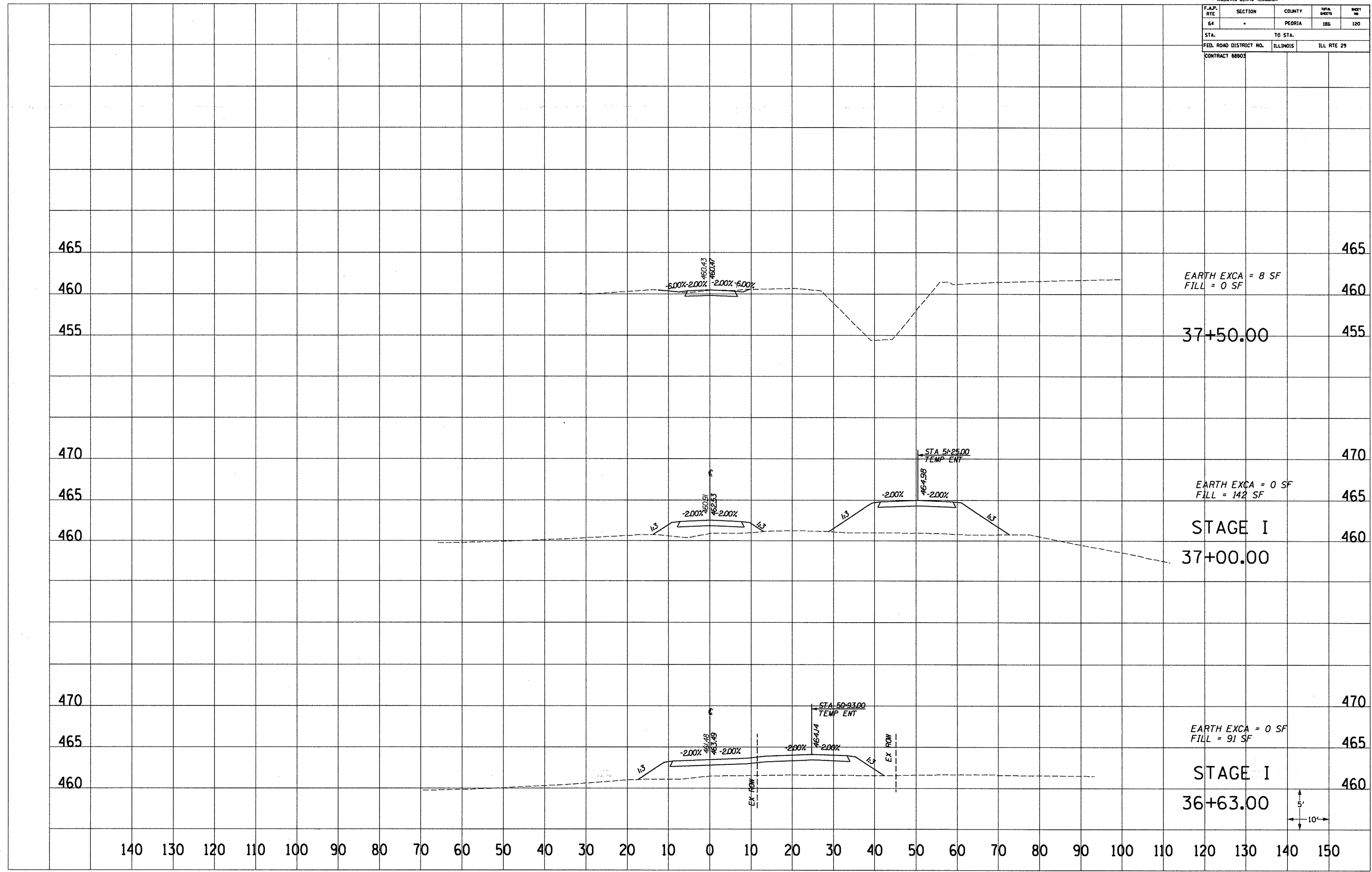


465

460

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

* 0012195-61195-4(10)B18				
F.A.P. RYE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64		PEORIA	186	120
STA.		TO STA.		
FED. ROAD DISTRICT NO.		ILLINOIS	ILL. RTE 29	
CONTRACT 88903				



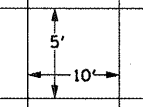
EARTH EXCA = 8 SF  
FILL = 0 SF

EARTH EXCA = 0 SF  
FILL = 142 SF

EARTH EXCA = 0 SF  
FILL = 91 SF

STAGE I  
37+00.00

STAGE I  
36+63.00



F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64		PEORIA	186	121
STA.		TO STA.		
FED. ROAD DISTRICT NO.		ILLINOIS FED. AID PROJECT		
CONTRACT 88903				

465

460

465

460

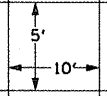
35+72.97

EX ROW

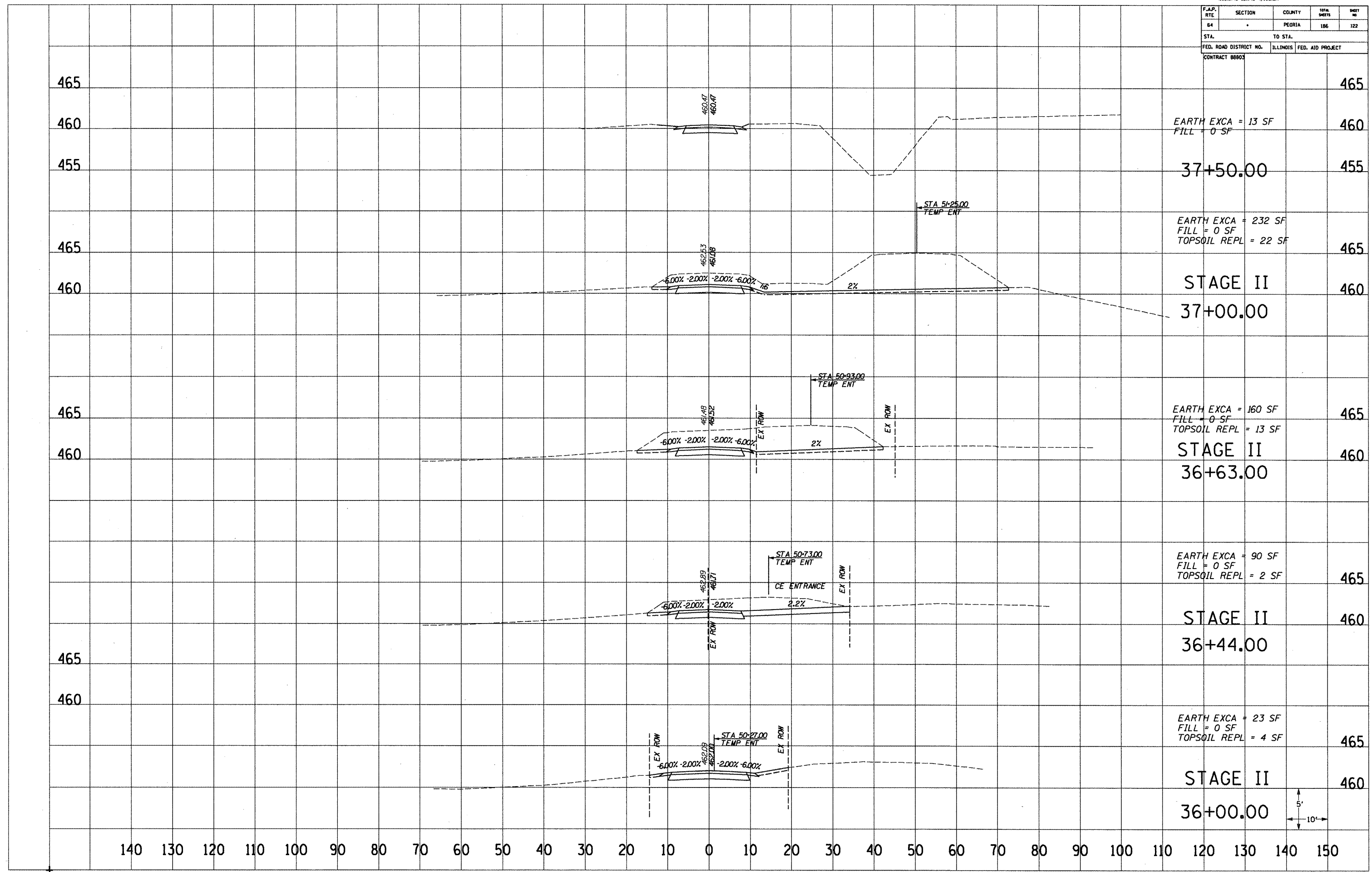
462.09

EX ROW

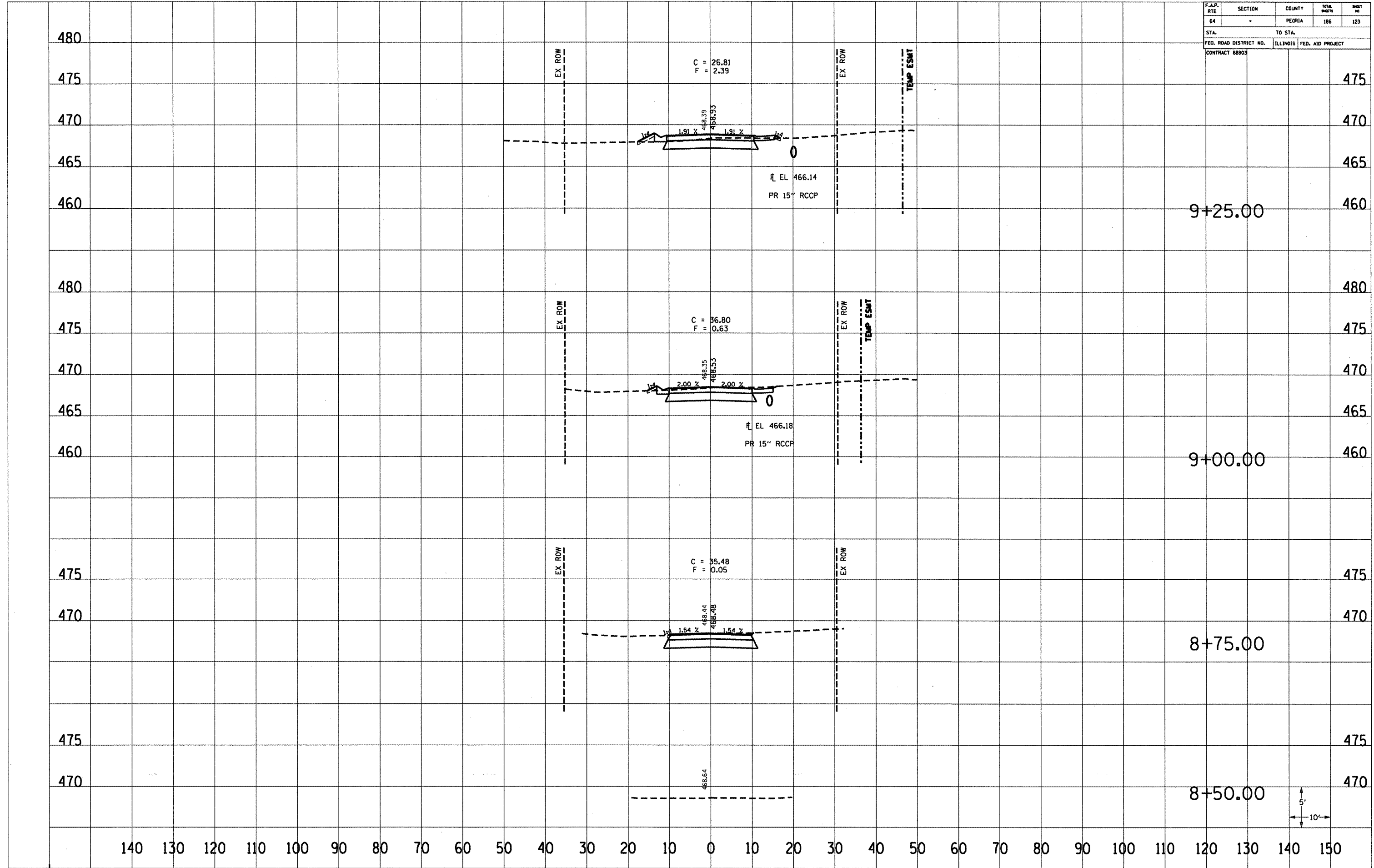
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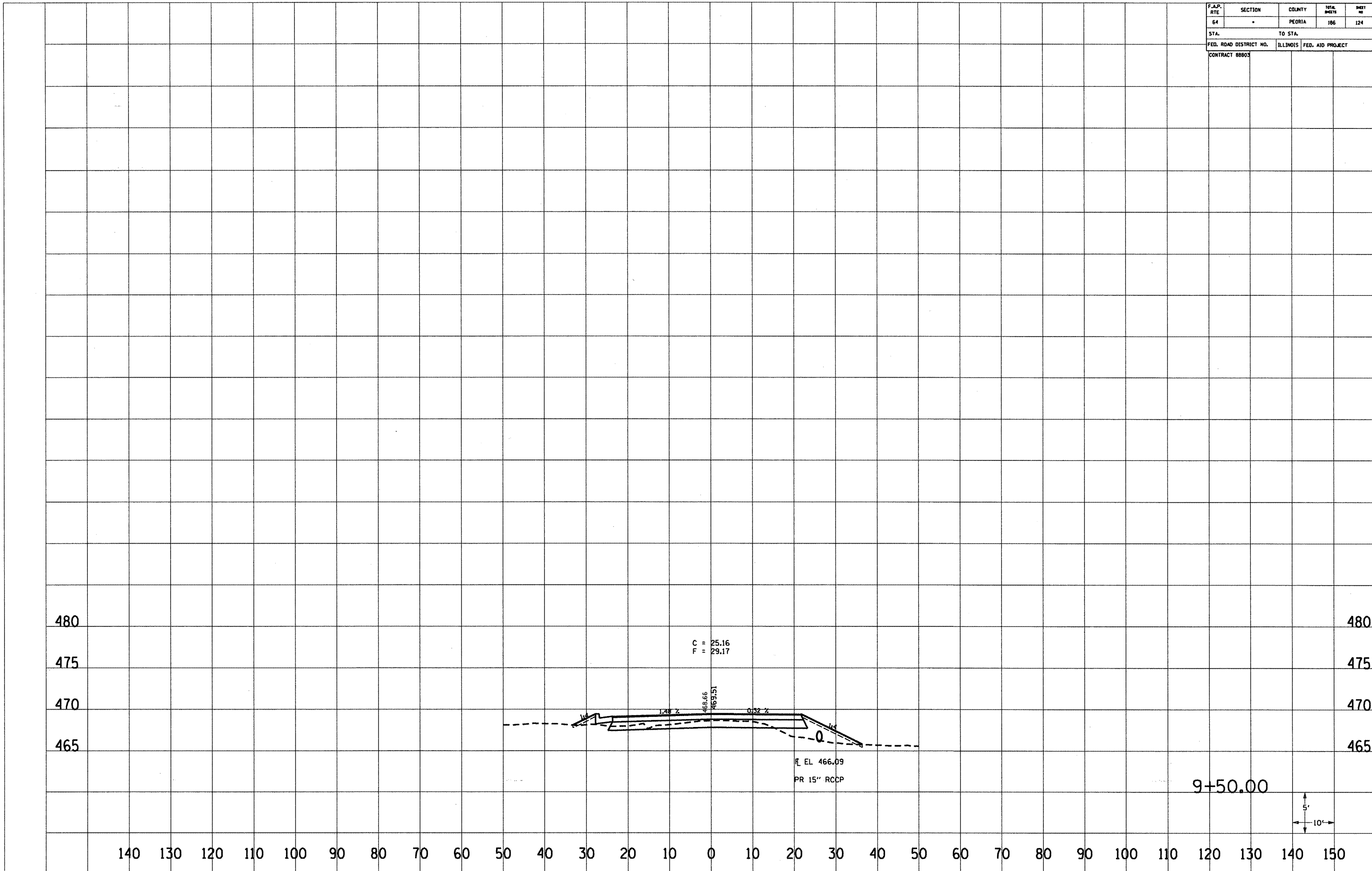
* 10.1245-64115-411088			
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS
64		PEORIA	186
STA.		TO STA.	
FED. ROAD DISTRICT NO.		ILLINOIS FED. AID PROJECT	
CONTRACT 88803			



F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	-	PEORIA	186	123
STA.		TO STA.		
FED. ROAD DISTRICT NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT 88903				

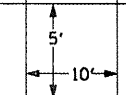
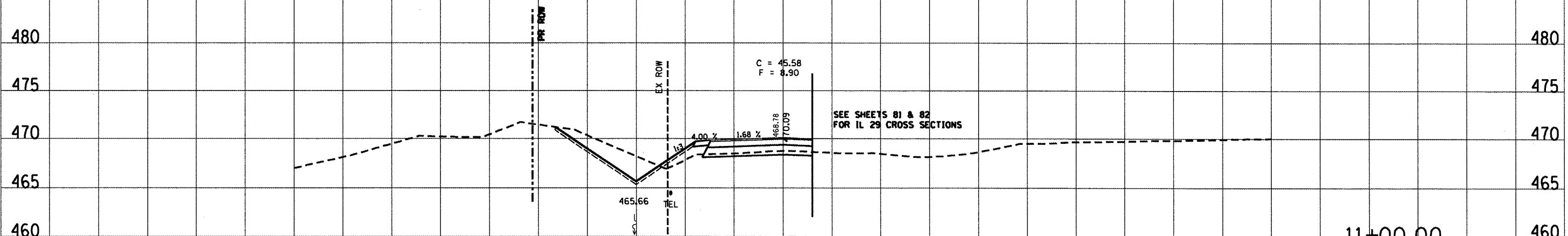
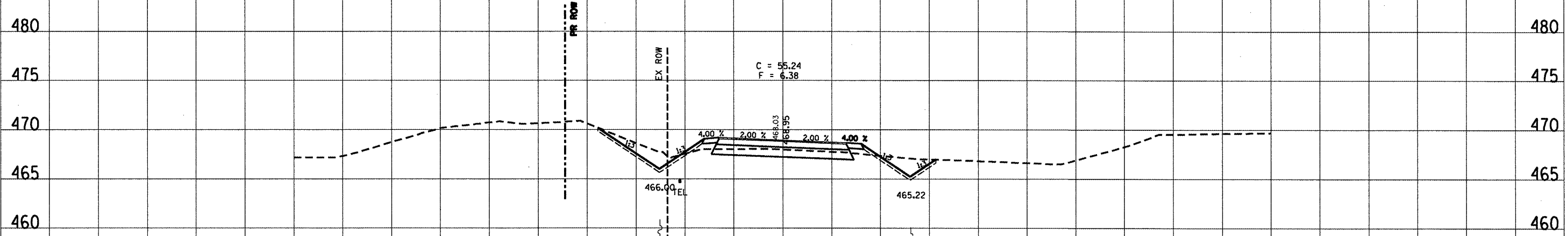


F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
64	-	PEORIA	186	124
STA.		TO STA.		
FED. ROAD DISTRICT NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT 88803				



F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
64	v	PEORIA	186	125
STA.		TO STA.		
FED. ROAD DISTRICT NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT 88803				

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. UNLESS ELEVATIONS ARE SHOWN ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

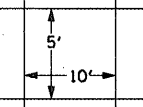
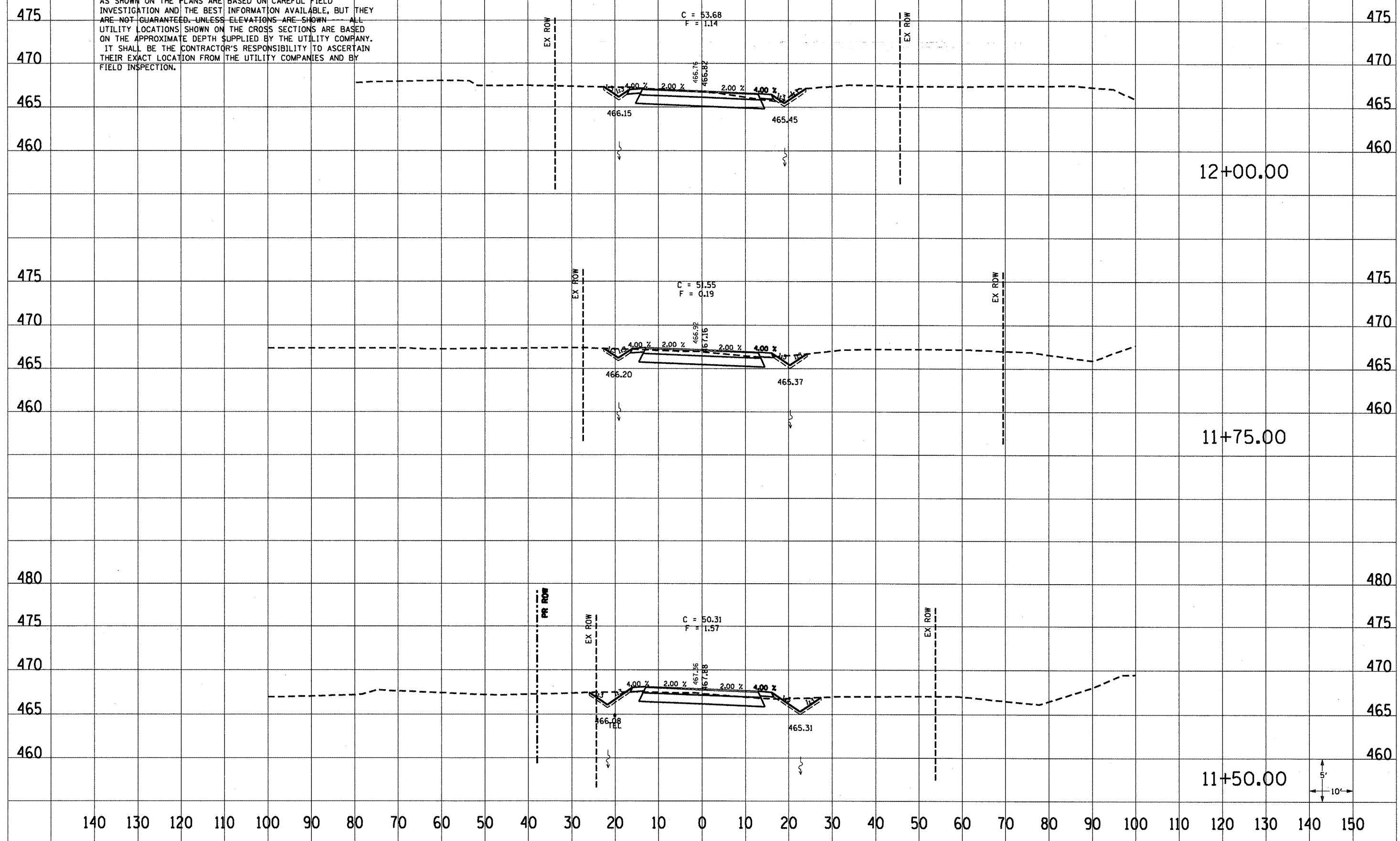


140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



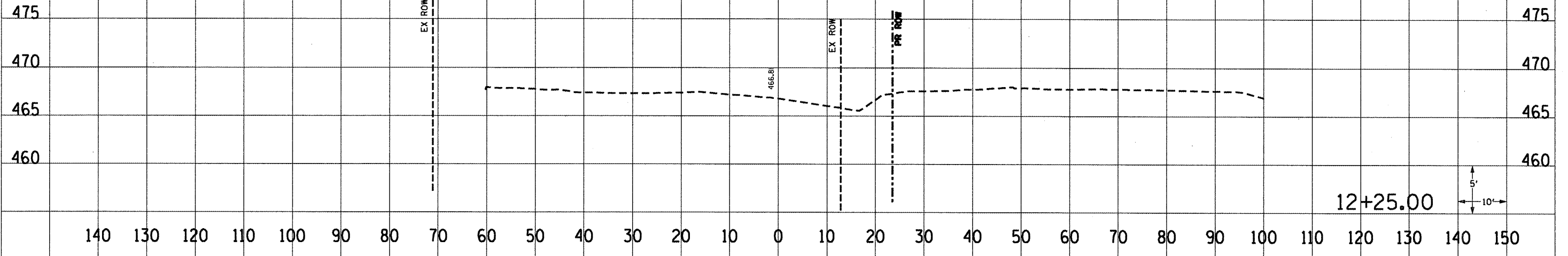
0012R5-6JRS-41001BR				
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	*	PEORIA	186	126
STA.		TO STA.		
FED. ROAD DISTRICT NO.		ILLINOIS FED. AID PROJECT		
CONTRACT 88803				

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. UNLESS ELEVATIONS ARE SHOWN ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.



F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
64	*	PEORIA	186	127
STA.		TO STA.		
FED. ROAD DISTRICT NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT 68603				

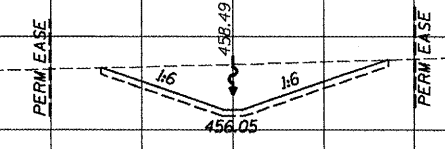
THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED, UNLESS ELEVATIONS ARE SHOWN. ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.



11012195-61195-410018R				
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64		PEORIA	186	128
STA.		TO STA.		
FED. ROAD DISTRICT NO.		ILLINOIS FED. AID PROJECT		
CONTRACT 88803				

460

455



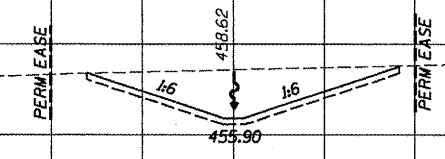
123+50.00

455

EARTH EXC = 41 SF  
 FILL = 0 SF  
 TOPSOIL REPL = 11 SF

460

455



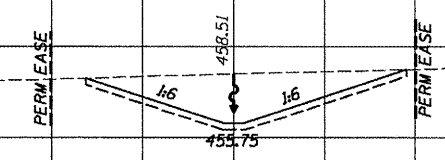
123+00.00

460

EARTH EXC = 50 SF  
 FILL = 0 SF  
 TOPSOIL REPL = 12 SF

460

455



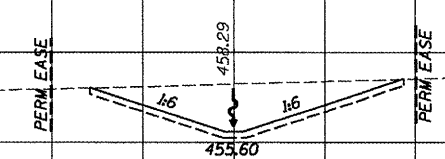
122+50.00

460

EARTH EXC = 52 SF  
 FILL = 0 SF  
 TOPSOIL REPL = 12 SF

460

455



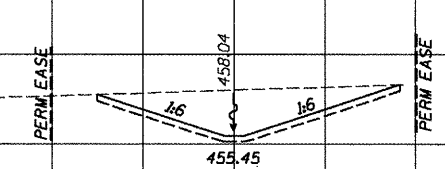
122+00.00

460

EARTH EXC = 49 SF  
 FILL = 0 SF  
 TOPSOIL REPL = 12 SF

460

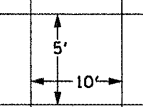
455



121+50.00

460

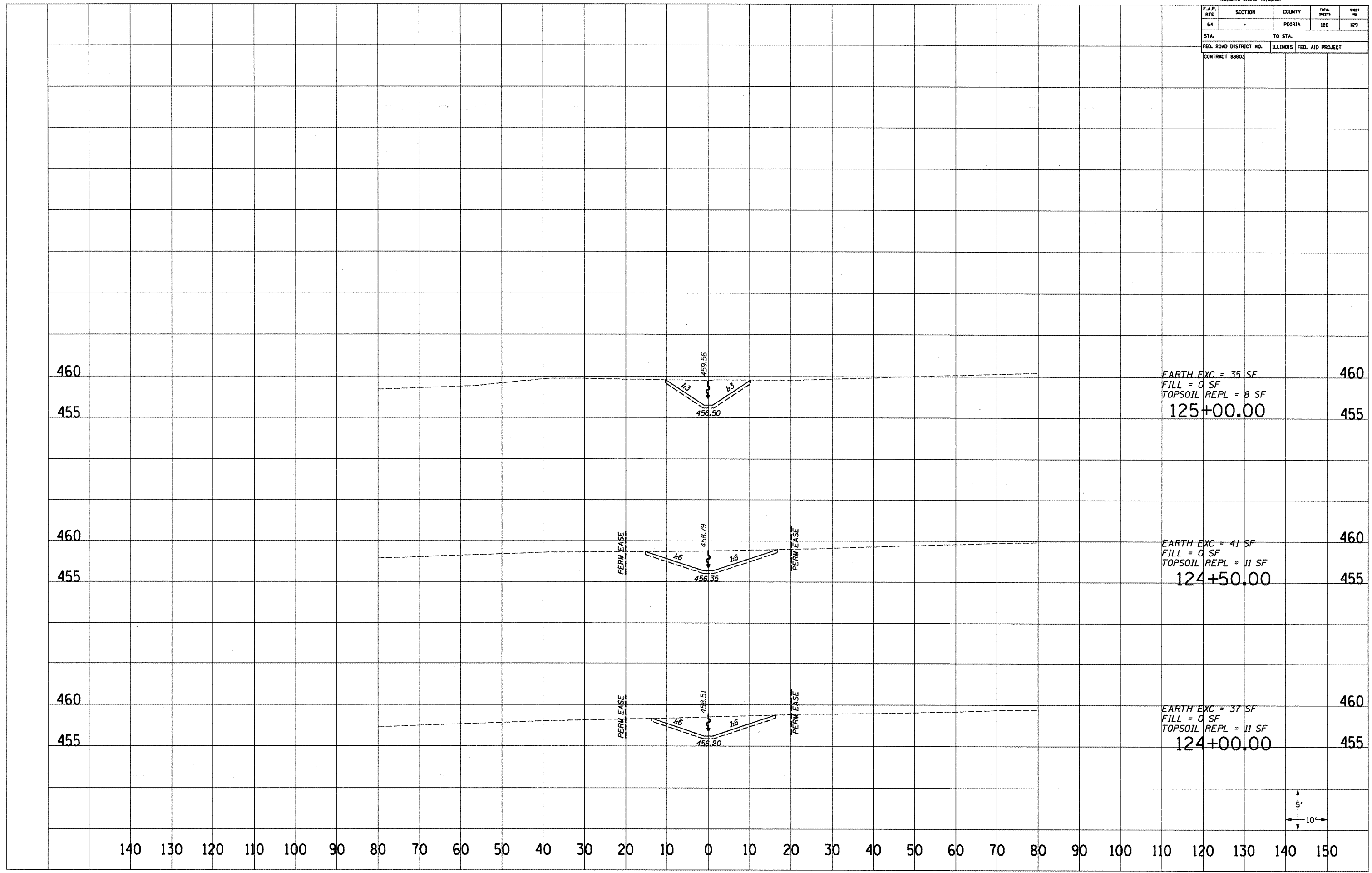
EARTH EXC = 46 SF  
 FILL = 0 SF  
 TOPSOIL REPL = 12 SF



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

**DRAINAGE DITCH**

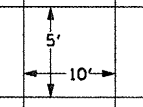
* 110,121RS-611RS-4110B1R				
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
64	*	PEORIA	186	129
STA.		TO STA.		
FED. ROAD DISTRICT NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT 88603				



EARTH EXC = 35 SF  
 FILL = 0 SF  
 TOPSOIL REPL = 8 SF  
 125+00.00

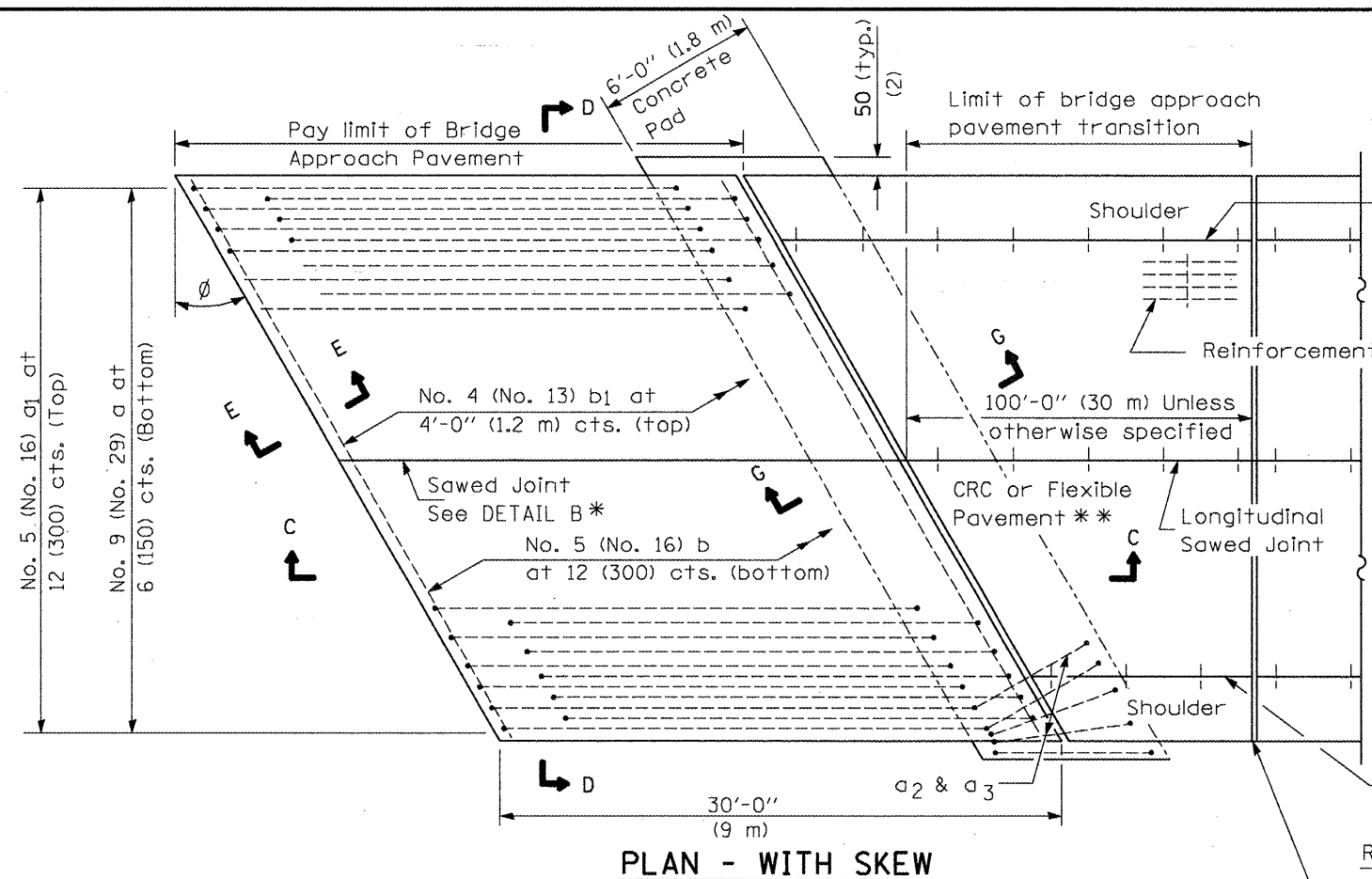
EARTH EXC = 41 SF  
 FILL = 0 SF  
 TOPSOIL REPL = 11 SF  
 124+50.00

EARTH EXC = 37 SF  
 FILL = 0 SF  
 TOPSOIL REPL = 11 SF  
 124+00.00

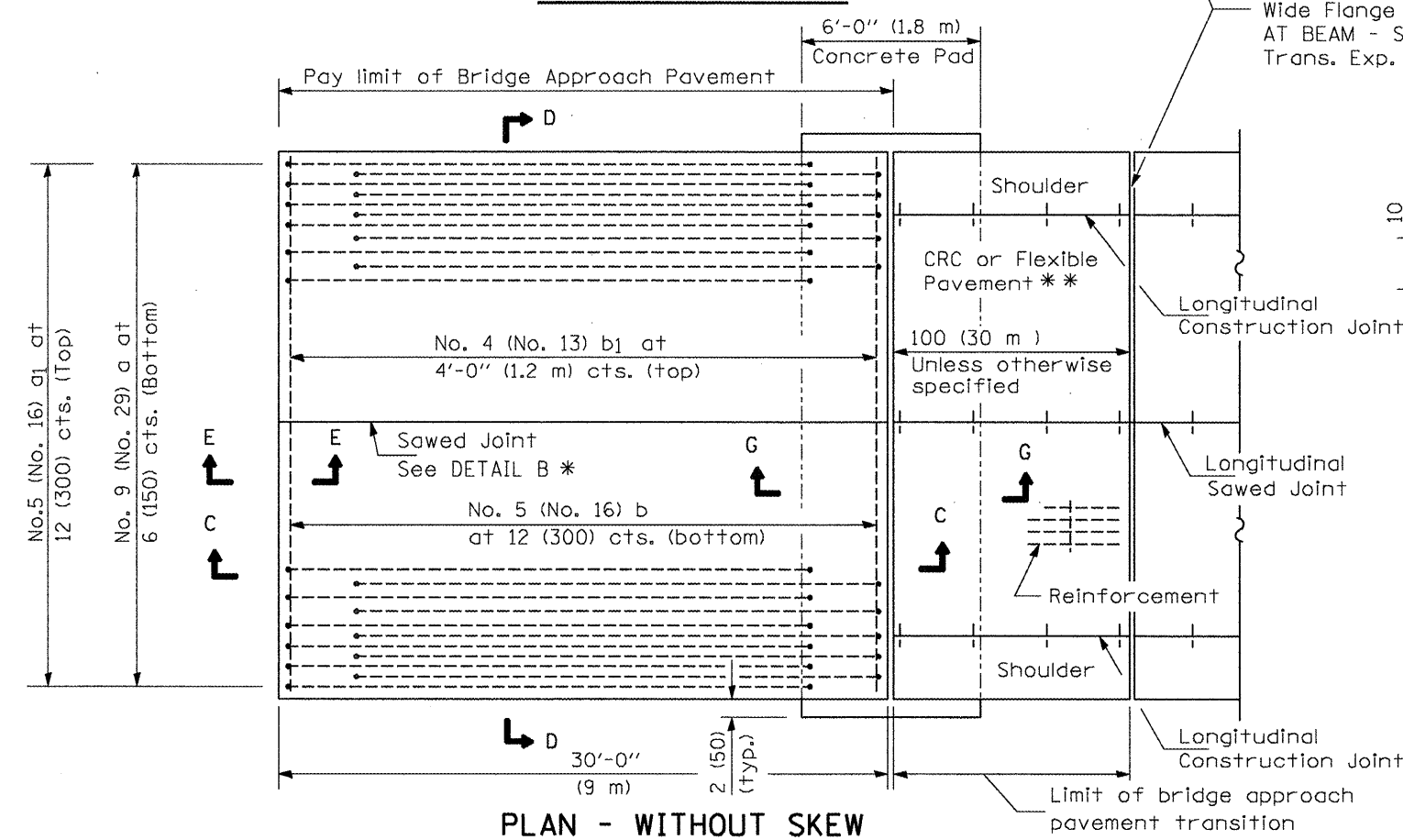


**DRAINAGE DITCH**

**NEW CONSTRUCTION**

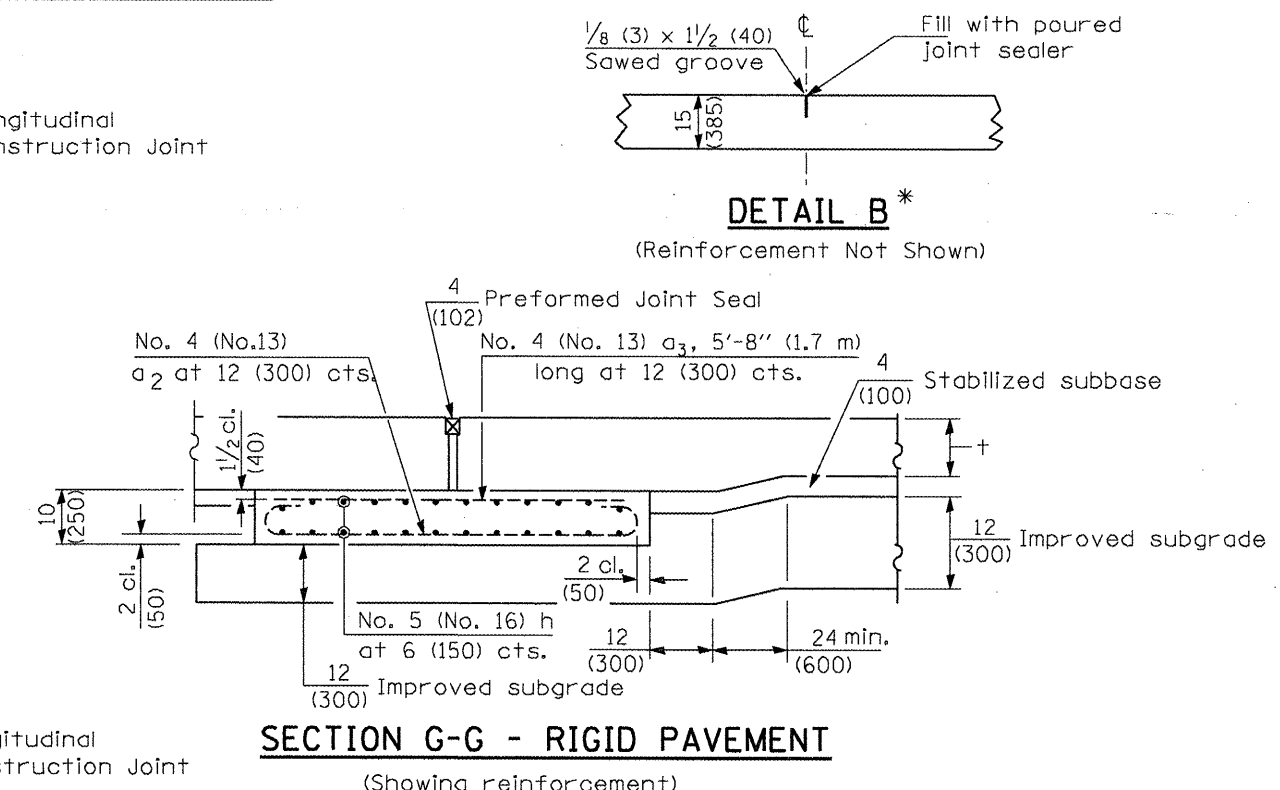


**PLAN - WITH SKEW**

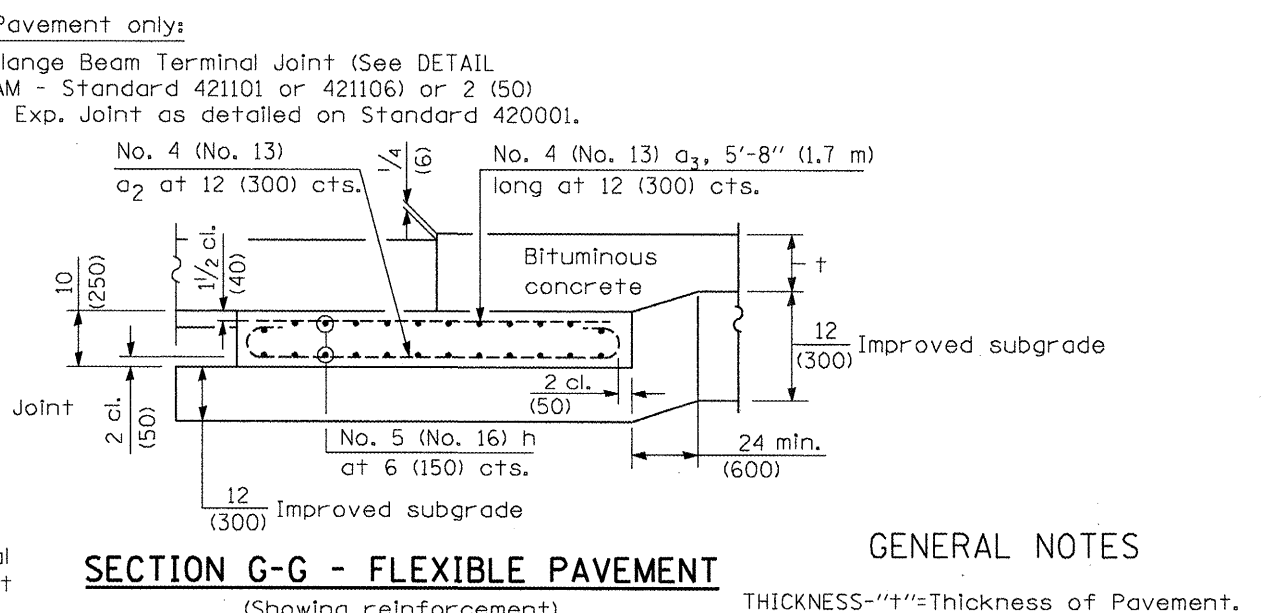


**PLAN - WITHOUT SKEW**

\* Saw  $\perp$  or lane edge if poured two or more lane widths at a time.  
 \*\* Omit Reinforcement, tie bars and Long. sawed Jt. for Flexible Pavement.



**SECTION G-G - RIGID PAVEMENT**  
(Showing reinforcement)

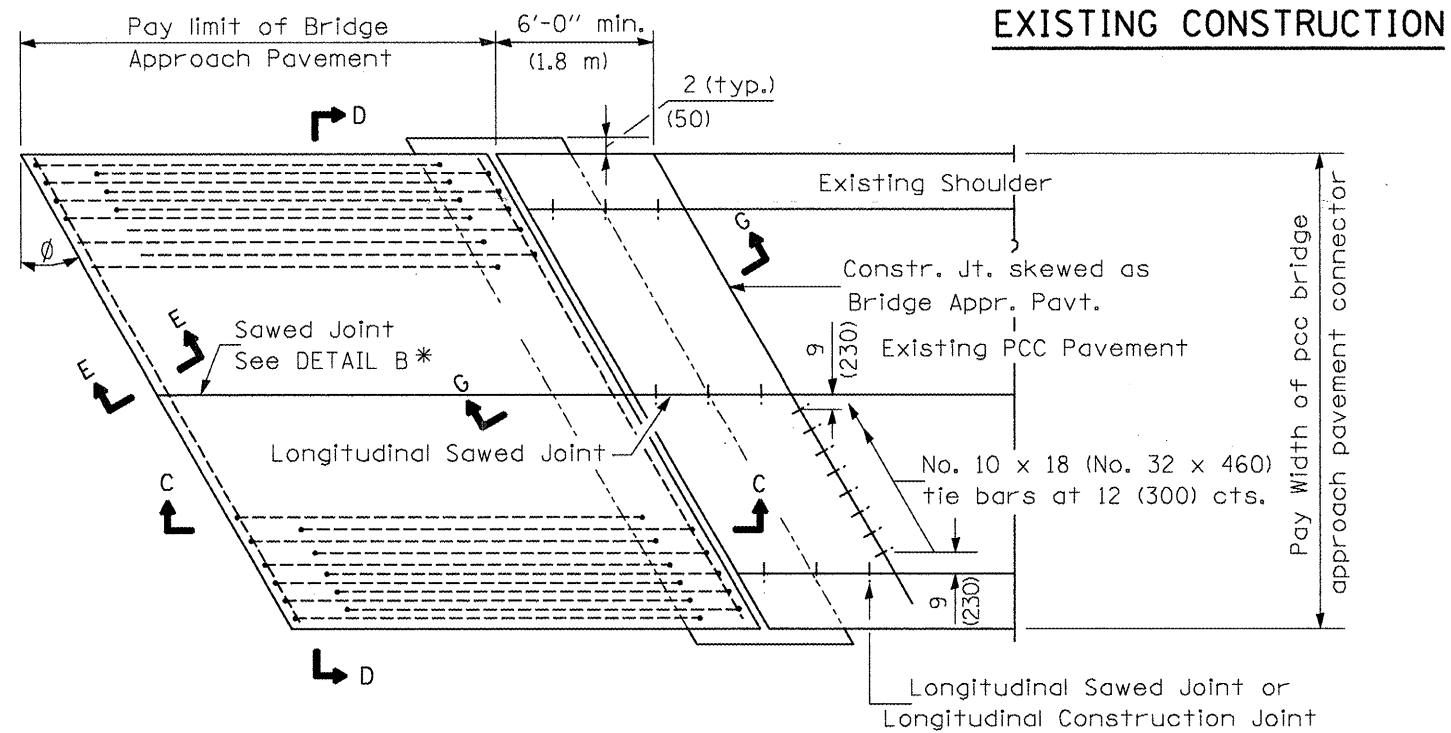


**SECTION G-G - FLEXIBLE PAVEMENT**  
(Showing reinforcement)

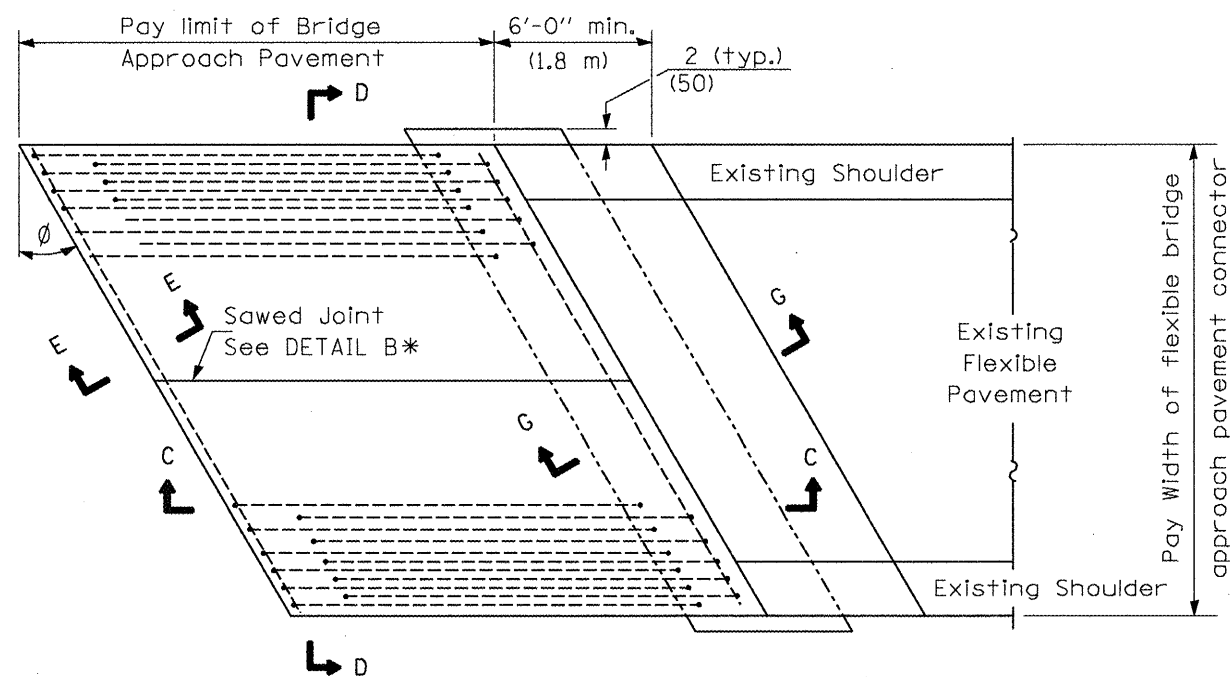
**GENERAL NOTES**

THICKNESS-"t"=Thickness of Pavement.  
 See Standard 421001 for reinforcement details not shown.  
 See Standard 420001 for joint details not shown.  
 All dimensions are in inches (millimeters) unless otherwise shown.

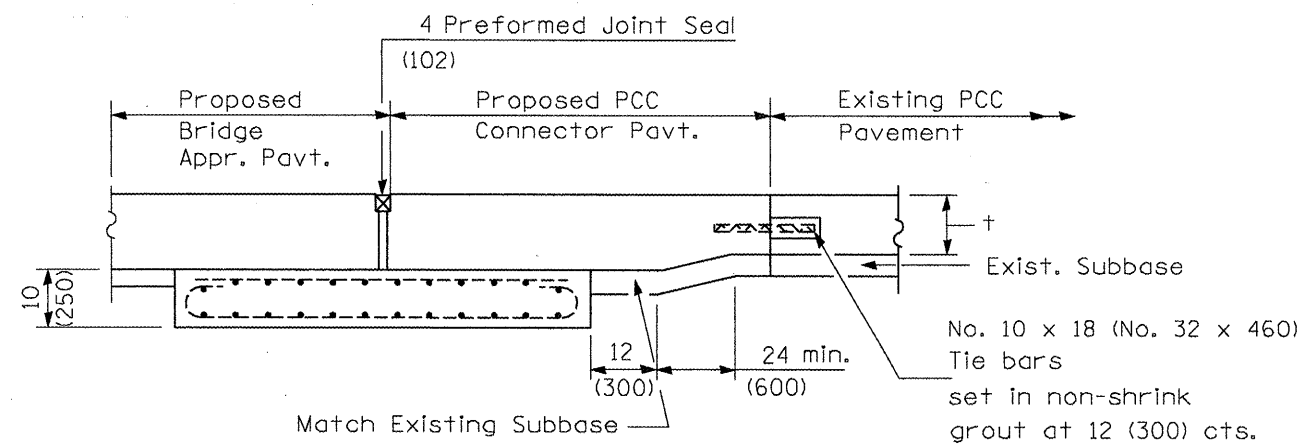
FILE NAME =	USER NAME = brucebm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BRIDGE APPROACH PAVEMENT DETAIL</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C:\Documents and Settings\hdelsonne\Local Settings\Temporary Internet Files\OLK97\pDRAWN detail.dgn		DRAWN detail.dgn	REVISED -		NOT TO SCALE	SHEET NO. 1 OF 4 SHEETS	64	(10B)BR	PEORIA	186	130
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -				<b>CONTRACT NO. 88803</b>				
PLOT DATE = 10/17/2008		DATE -	REVISED -				FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



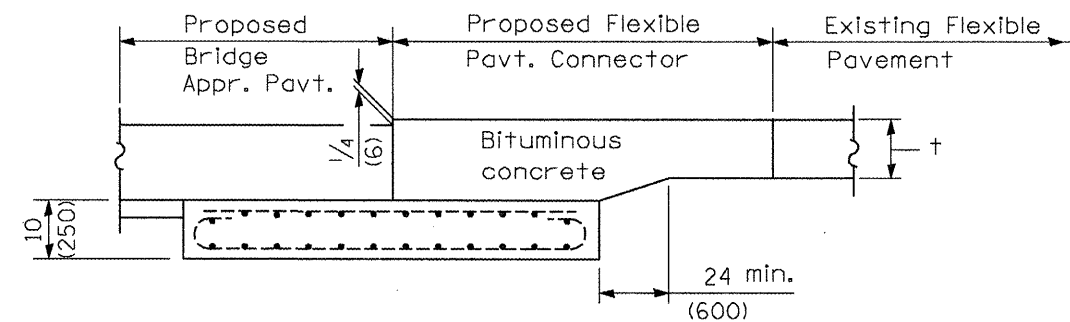
**BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)**



**BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)**

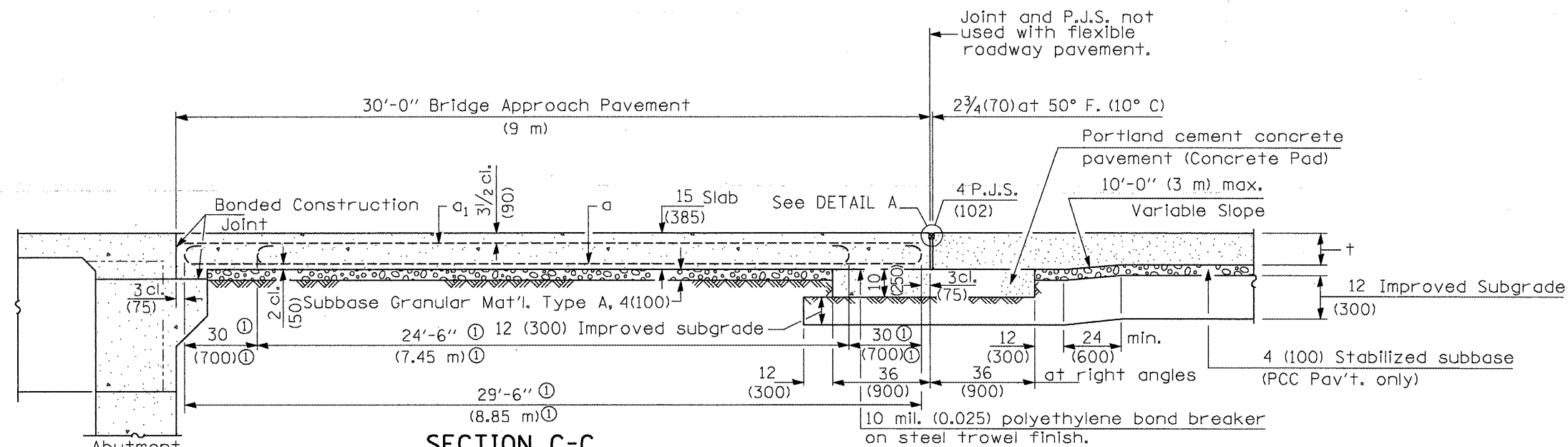


**SECTION G-G - RIGID PAVEMENT**

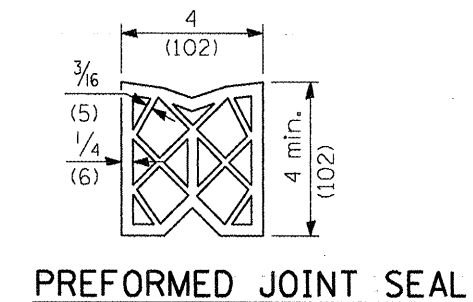


**SECTION G-G - FLEXIBLE PAVEMENT**

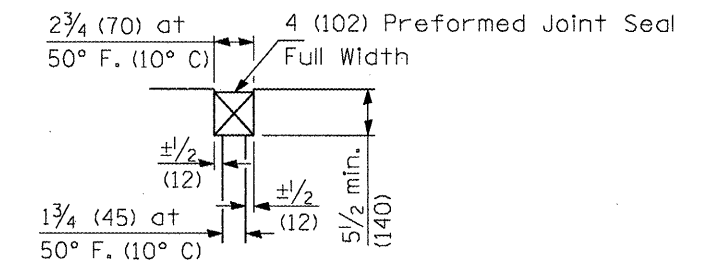
FILE NAME =	USER NAME = brucebm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BRIDGE APPROACH PAVEMENT DETAIL</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
C:\Documents and Settings\hudsonme\Local Settings\Temporary Internet Files\OLK97\pDRAWN detail.dgn	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -			64	(10)BIBR	PEORIA	186	131	
PLOT DATE = 10/17/2009	DATE -	REVISED -	REVISED -			<b>CONTRACT NO. 88803</b>					
						NOT TO SCALE	SHEET NO. 2 OF 4 SHEETS	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			



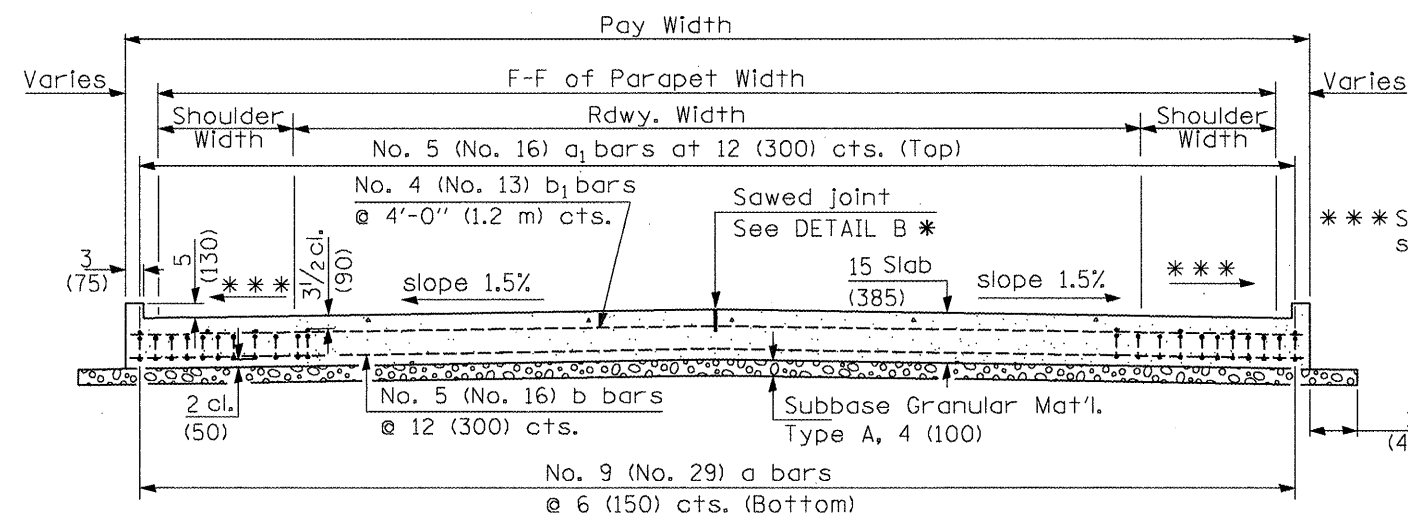
① Stagger No. 9 (No. 29) a bars as shown on plan - full width



**PREFORMED JOINT SEAL**



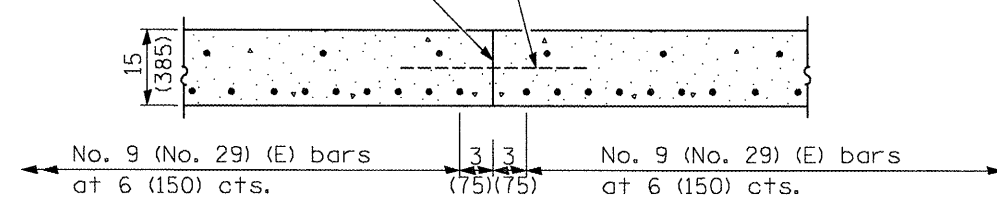
**DETAIL A**



**SECTION D-D**

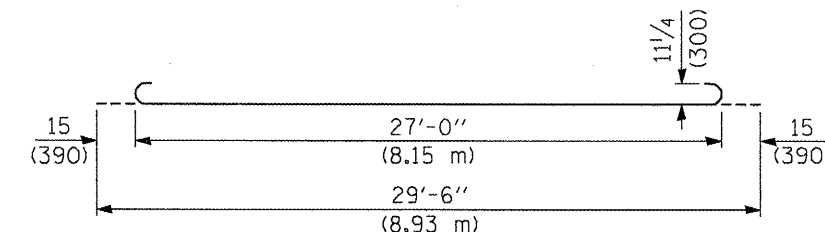
(See Plan for Dimensions not shown)

Longitudinal Construction Joint in accordance with details shown on Standard 420001.

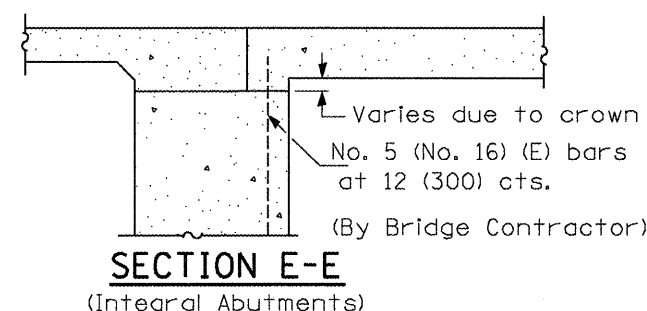


**OPTIONAL LONGITUDINAL CONSTRUCTION JOINT**

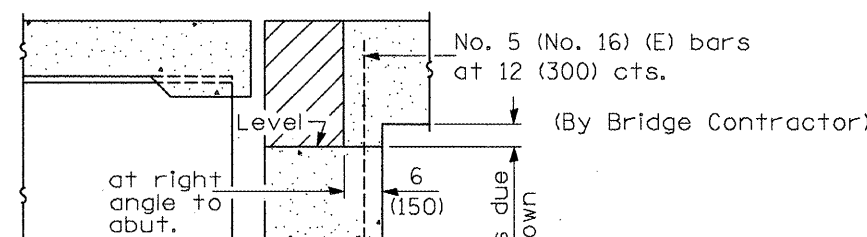
As approved by the Engineer, the Contractor may elect to reduce the widths of pour by use of the Optional Longitudinal Construction Joint shown. Joints shall be located at the edge of a traffic lane.



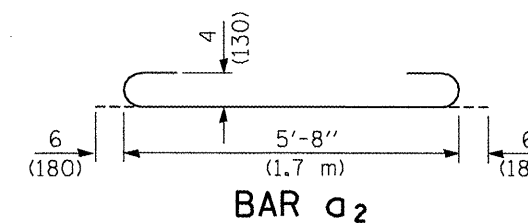
**BAR a**



**SECTION E-E**  
(Integral Abutments)



**SECTION E-E**  
(Jointed Abutments)



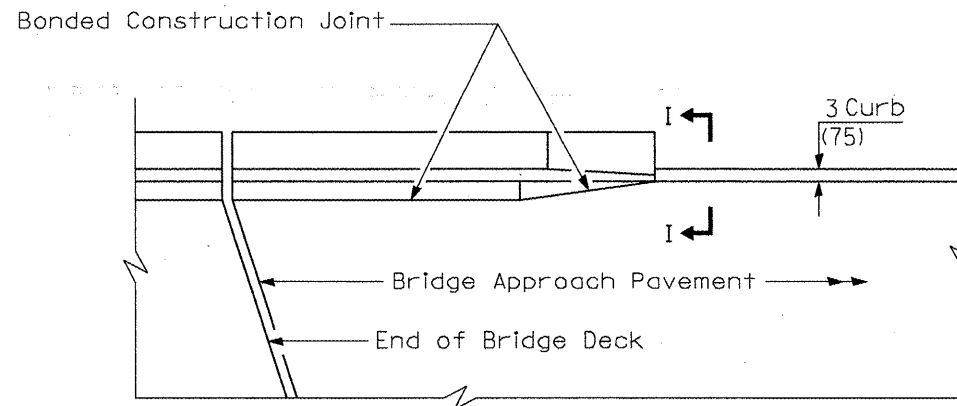
**BAR a2**

**DESIGN STRESSES**

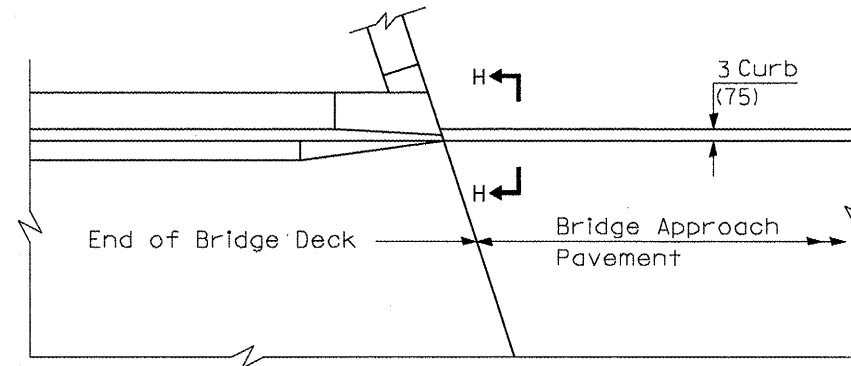
$f_y = 60,000$  p.s.i. (400 MPa)  
 $f'_c = 3,500$  p.s.i. (24 MPa)  
 $n = 8.5$

FILE NAME =	USER NAME = brucebn	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BRIDGE APPROACH PAVEMENT DETAIL</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C:\Documents and Settings\hudeisonme\Local Settings\Temporary Internet Files\OLK97\pDRAWN detail.dgn		CHECKED -	REVISED -		64	(10)B/R	PEORIA	186	132		
PLOT SCALE = 48.0000' / IN.		DATE -	REVISED -		NOT TO SCALE SHEET NO. 3 OF 4 SHEETS			CONTRACT NO. 88803			
PLOT DATE = 10/17/2008							FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

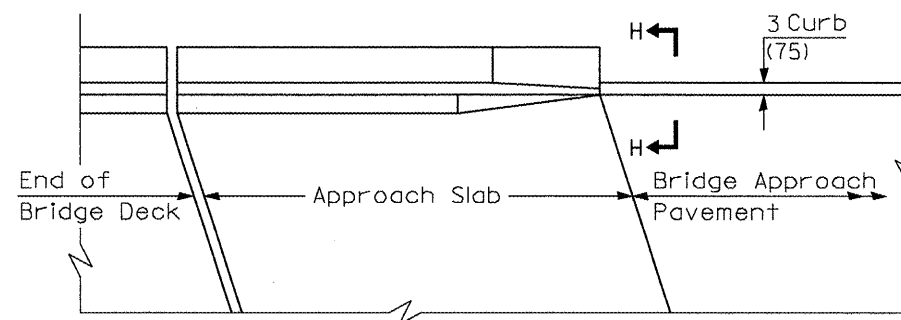




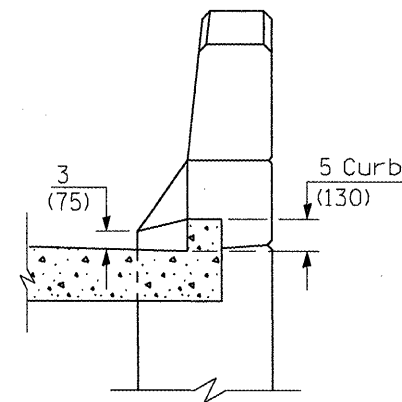
**PARAPET TO CURB TRANSITION  
PILE BENT ABUTMENT**



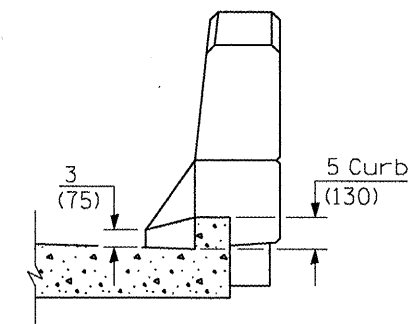
**PARAPET TO CURB TRANSITION  
INTEGRAL ABUTMENT**



**PARAPET TO CURB TRANSITION  
VAULTED ABUTMENT**



**SECTION I - I**



**SECTION H - H**

FILE NAME =	USER NAME = brucebm	DESIGNED -	REVISED -
C:\Documents and Settings\hudsonme\Local Settings\Temporary Internet Files\OLK97\pDRAWN detail.dgn		CHECKED -	REVISED -
PLOT SCALE = 48,0000 ' / IN.		DATE -	REVISED -
PLOT DATE = 10/17/2008			

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

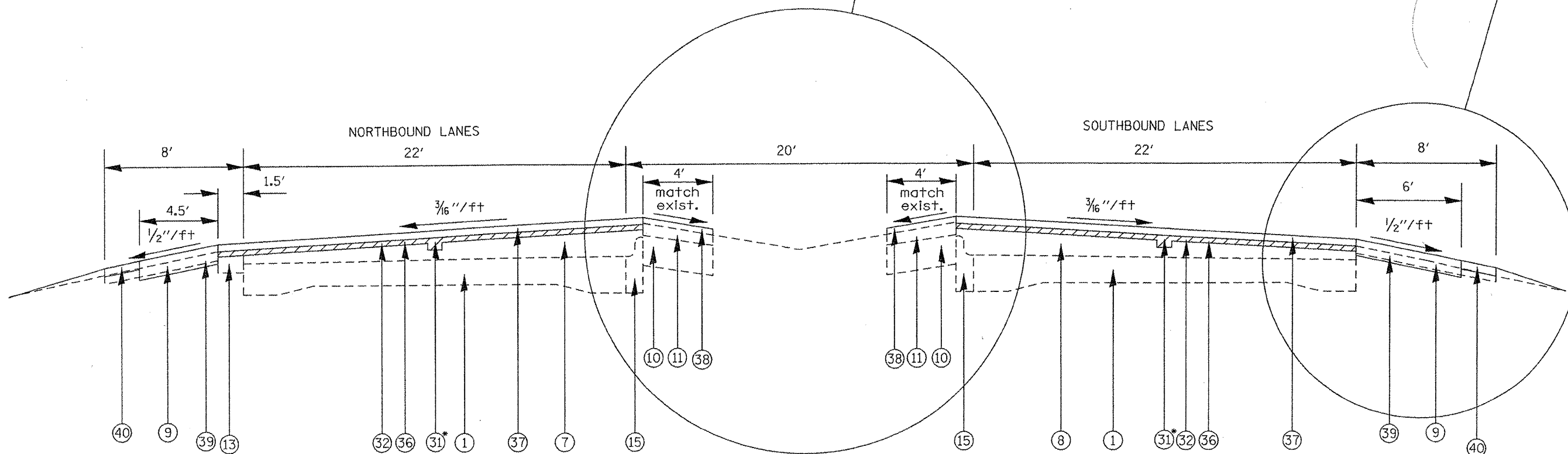
**BRIDGE APPROACH PAVEMENT  
DETAIL**

NOT TO SCALE | SHEET NO. 4 OF 4 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(10B)BR	PEORIA	186	133
CONTRACT NO. 88803				
FED. ROAD DIST. NO.   ILLINOIS FED. AID PROJECT				

SEE MEDIAN DETAILS SHEETS 136 AND 137

SEE SHOULDER DETAILS SHEET 138



LEGEND

- ① EXIST. 9"-7"-9" P.C.C. PAVEMENT
- ② EXIST. 8" P.C.C. PAVEMENT
- ③ EXIST. 10" P.C.C. PAVEMENT
- ④ EXIST. P.C.C. BRIDGE DECK
- ⑤ EXIST. BITUMINOUS OVERLAY
- ⑥ EXIST. BITUMINOUS OVERLAY 3"
- ⑦ EXIST. BITUMINOUS OVERLAY 7 3/4" TO 8 3/4"
- ⑧ EXIST. BITUMINOUS OVERLAY 8" TO 10"
- ⑨ EXIST. AGGREGATE SHOULDER
- ⑩ EXIST. 6" STABILIZED SHOULDER (BAM)
- ⑪ EXIST. BITUMINOUS SHOULDER 1" TO 2"
- ⑫ EXIST. BITUMINOUS SHOULDER 6"
- ⑬ EXIST. BITUMINOUS SHOULDER 10"
- ⑭ EXIST. BITUMINOUS MEDIAN 12"
- ⑮ EXIST. M-4.04 CCC & G
- ⑯ EXIST. M-6.06 CCC & G
- ⑰ EXIST. TYPE B GUTTER
- ⑱ EXIST. SIDEWALK
- ⑲ EXIST. BRIDGE PARAPET
- ⑳ EXIST. CORRUGATED MEDIAN
- ㉑ EXIST. SB-6.06 CONCRETE MEDIAN

LEGEND

- ⑳ PROP. CENTER JOINT REPAIR SYSTEM
- ㉑ PROP. HMA SURF. REMOVAL 1 1/2"
- ㉒ PROP. HMA SURF. REMOVAL VARIABLE 0" TO 1 1/4"
- ㉓ PROP. BIT. SHOULDER REMOVAL
- ㉔ PROP. BIT. BINDER COURSE 1 1/4"
- ㉕ PROP. POLY. LVL. BNDR. (MACH. METH.) IL-4.75, N50 3/4"
- ㉖ PROP. POLY. HMA SURF CSE MIX "D", N70 1 1/2"
- ㉗ PROP. HMA SHOULDER 1 1/2"
- ㉘ PROP. HMA SHOULDER 8"
- ㉙ PROP. AGG. SHOULDER TY B
- ㉚ PROP. TYPE B GUTTER

PROPOSED TYPICAL SECTION #1  
ROADWAY TYPICAL SECTION  
STA 88+89 TO 99+88  
STA 100+04 TO 123+26  
123+42 TO 286+00

SUPERELEVATED SECTIONS AS SHOWN IN TABLE BELOW

\* SEE SCHEDULE FOR CENTER JOINT REPAIR LOCATIONS

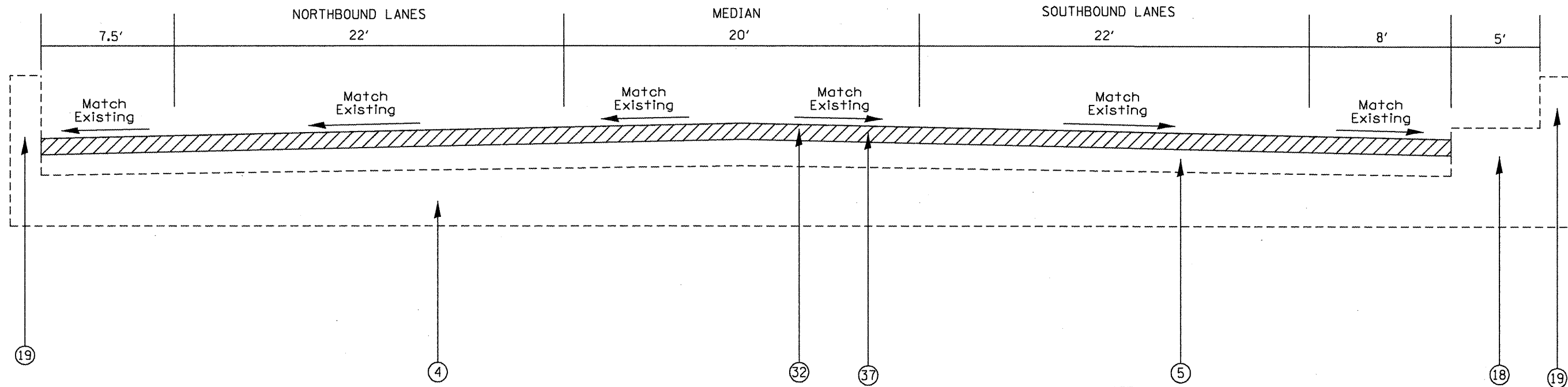
LOCATION	SUPERELEVATION	DIRECTION
STA 142+88.36 TO 161+55.03	0.024 FT/FT	← →
STA 206+37.6 TO 228+02.6	0.024 FT/FT	← →

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	PLOT DATE = 12/4/2008	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(10,12)RS-6;11RS-4;10B)BR	PEORIA	186	134
CONTRACT NO. 88803				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



\* SEE TABLE BELOW FOR OVERLAY THICKNESSES\*

PROPOSED TYPICAL SECTION #2  
 BRIDGE TYPICAL SECTION  
 STA 99+88 TO 100+04  
 STA 123+26 TO 123+42

**LEGEND**

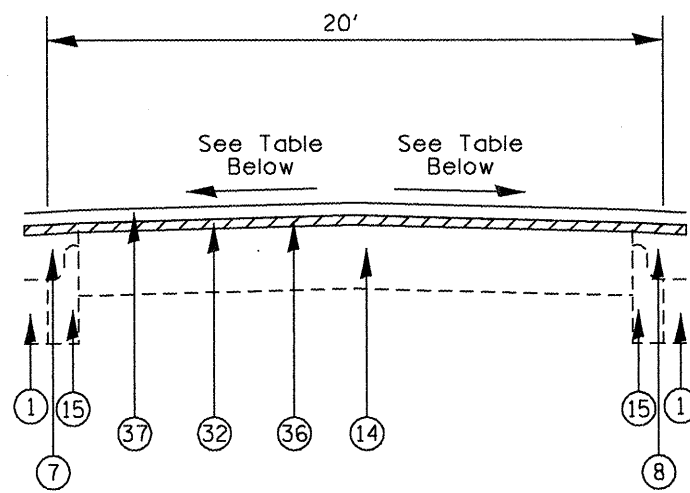
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- ② EXIST. 8" P.C.C. PAVEMENT
- ③ EXIST. 10" P.C.C. PAVEMENT
- ④ EXIST. P.C.C. BRIDGE DECK
- ⑤ EXIST. BITUMINOUS OVERLAY
- ⑥ EXIST. BITUMINOUS OVERLAY 3"
- ⑦ EXIST. BITUMINOUS OVERLAY 7 3/4" TO 8 3/4"
- ⑧ EXIST. BITUMINOUS OVERLAY 8" TO 10"
- ⑨ EXIST. AGGREGATE SHOULDER
- ⑩ EXIST. 6" STABILIZED SHOULDER (BAM)
- ⑪ EXIST. BITUMINOUS SHOULDER 1" TO 2"
- ⑫ EXIST. BITUMINOUS SHOULDER 6"
- ⑬ EXIST. BITUMINOUS SHOULDER 10"
- ⑭ EXIST. BITUMINOUS MEDIAN 12"
- ⑮ EXIST. M-4.04 CCC & G
- ⑯ EXIST. M-6.06 CCC & G
- ⑰ EXIST. TYPE B GUTTER
- ⑱ EXIST. SIDEWALK
- ⑲ EXIST. BRIDGE PARAPET
- ⑳ EXIST. CORRUGATED MEDIAN
- ㉑ EXIST. SB-6.06 CONCRETE MEDIAN

**LEGEND**

- ⑳ PROP. CENTER JOINT REPAIR SYSTEM
- ㉑ PROP. HMA SURF. REMOVAL 1 1/2"
- ㉒ PROP. HMA SURF. REMOVAL VARIABLE 0" TO 1 1/4"
- ㉓ PROP. BIT. SHOULDER REMOVAL
- ㉔ PROP. BIT. BINDER COURSE 1 3/4"
- ㉕ PROP. POLY. LVL. BNDR. (MACH. METH.) IL-4.75, N50 3/4"
- ㉖ PROP. POLY. HMA SURF CSE MIX "D", N70 1 1/2"
- ㉗ PROP. HMA SHOULDER 1 1/2"
- ㉘ PROP. HMA SHOULDER 8"
- ㉙ PROP. AGG. SHOULDER TY B
- ㉚ PROP. TYPE B GUTTER

EXISTING OVERLAY TABLE

BRIDGE	LANES	BIT. THICKNESS
S.N. 072-0072	NORTHBOUND	2 1/2" to 3 1/2"
S.N. 072-0072	SOUTHBOUND	3 1/2" to 4 1/2"
S.N. 072-0105	NORTHBOUND	7 3/4" to 8 3/4"
S.N. 072-0105	SOUTHBOUND	8" to 10"



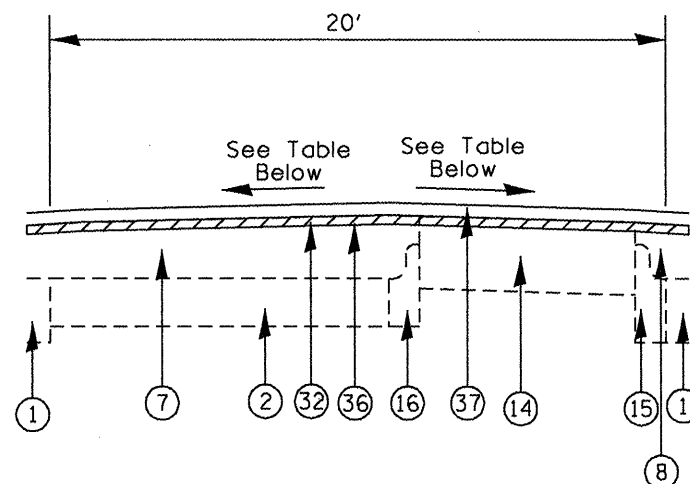
PROPOSED MEDIAN DETAIL #1  
TYPE A  
STA 130+79 TO 132+92  
STA 137+63 TO 139+91  
STA 244+19 TO 248+92

TYPE B  
STA 143+66 TO 145+98  
STA 208+18 TO 211+41  
STA 225+78 TO 229+32

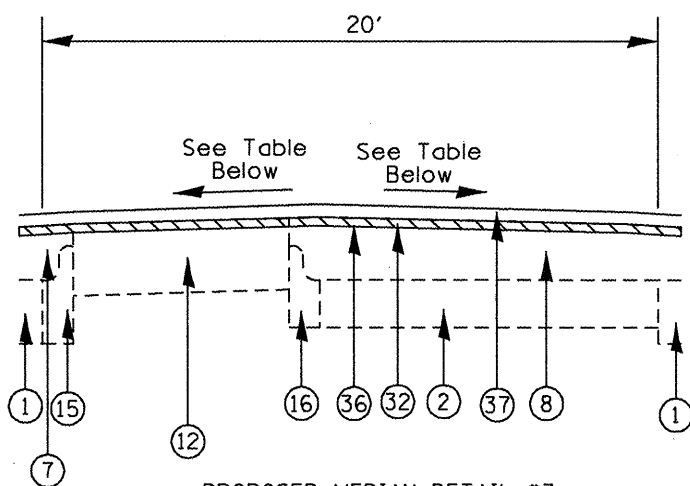
TYPE C  
STA 91+81 TO 94+14  
STA 154+58 TO 157+85  
STA 239+55 TO 241+88

TYPE E  
STA 193+50 TO 200+00  
STA 204+02 TO 208+18  
STA 233+71 TO 236+44  
STA 250+46 TO 258+05  
STA 261+10 TO 274+83

TYPE F  
STA 216+90 TO 225+78



PROPOSED MEDIAN DETAIL #2  
TYPE A  
STA 111+50 TO 116+30  
STA 121+39 TO 130+79  
STA 236+44 TO 241+08  
STA 258+05 TO 261+10  
TYPE B  
STA 158+25 TO 163+05



PROPOSED MEDIAN DETAIL #3  
TYPE D  
STA 104+82 TO 111+50  
STA 116+30 TO 121+39  
STA 169+48 TO 176+06

LEGEND

- ① EXIST. 9"-7"-9" P.C.C. PAVEMENT
- ② EXIST. 8" P.C.C. PAVEMENT
- ③ EXIST. 10" P.C.C. PAVEMENT
- ④ EXIST. P.C.C. BRIDGE DECK
- ⑤ EXIST. HMA OVERLAY
- ⑥ EXIST. HMA OVERLAY 3"
- ⑦ EXIST. HMA OVERLAY 7<sup>3</sup>/<sub>4</sub>" TO 8<sup>3</sup>/<sub>4</sub>"
- ⑧ EXIST. HMA OVERLAY 8" TO 10"
- ⑨ EXIST. AGGREGATE SHOULDER
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- ⑫ EXIST. HMA SHOULDER 6"
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- ⑭ EXIST. HMA MEDIAN 12"
- ⑮ EXIST. M-4.04 CCC & G
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- ⑰ EXIST. TYPE B GUTTER
- ⑱ EXIST. SIDEWALK
- ⑲ EXIST. BRIDGE PARAPET
- ⑳ EXIST. CORRUGATED MEDIAN
- ㉑ EXIST. SB-6.06 CONCRETE MEDIAN
- ㉒ PROP. CENTER JOINT REPAIR SYSTEM
- ㉓ PROP. HMA SURF. REMOVAL 1<sup>1</sup>/<sub>2</sub>"
- ㉔ PROP. HMA SURF. REMOVAL VARIABLE 0" TO 1<sup>1</sup>/<sub>4</sub>"
- ㉕ PROP. BIT. SHOULDER REMOVAL
- ㉖ PROP. HMA BINDER COURSE 11<sup>3</sup>/<sub>4</sub>"
- ㉗ PROP. POLY. LVL. BNDR. (MACH. METH.) IL-4.75, N50 3<sup>4</sup>/<sub>4</sub>"
- ㉘ PROP. POLY. HMA SURF CSE MIX "D", N70 1<sup>1</sup>/<sub>2</sub>"
- ㉙ PROP. HMA SHOULDER 1<sup>1</sup>/<sub>2</sub>"
- ㉚ PROP. HMA SHOULDER 8"
- ㉛ PROP. AGG. SHOULDER TY B
- ㉜ PROP. TYPE B GUTTER

MEDIAN TYPE	PAVEMENT SLOPES	TYPE	MAINLINE SECTION	SLOPE A	WIDTH A	SLOPE B	WIDTH B	SLOPE C	WIDTH C
A		NORTHBOUND TURNLANE	TANGENT	3/16"/FT	16' & VAR.	3/16"/FT	4' & VAR.	-----	-----
B		NORTHBOUND TURNLANE	SUPERELEVATED	0.021'/FT	12' & VAR.	1/2"/FT	6' & VAR.	0.024'/FT	2' & VAR.
C		SOUTHBOUND TURNLANE	TANGENT	3/16"/FT	4' & VAR.	3/16"/FT	16' & VAR.	-----	-----
D		SOUTHBOUND TURNLANE	TANGENT	1/2"/FT	8' & VAR.	3/16"/FT	12' & VAR.	-----	-----
E		BIDIRECTIONAL TURNLANE	TANGENT	5/16"/FT	10' & VAR.	1/8"/FT	10' & VAR.	-----	-----
F		BIDIRECTIONAL TURNLANE	SUPERELEVATED	1/4"/FT	10' & VAR.	0.024'/FT	10' & VAR.	-----	-----

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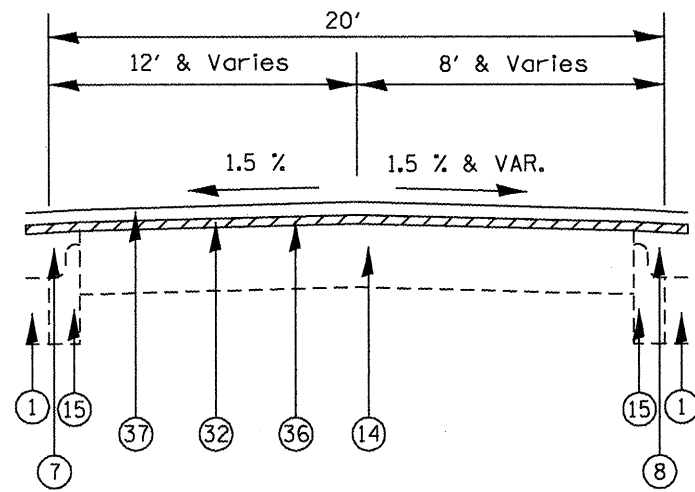
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

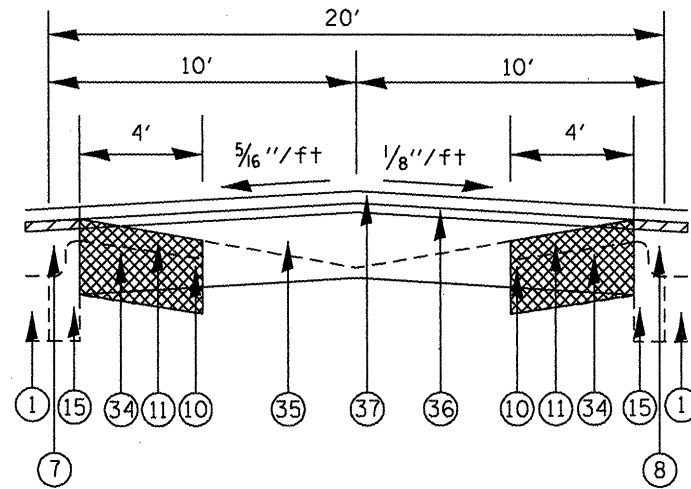
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

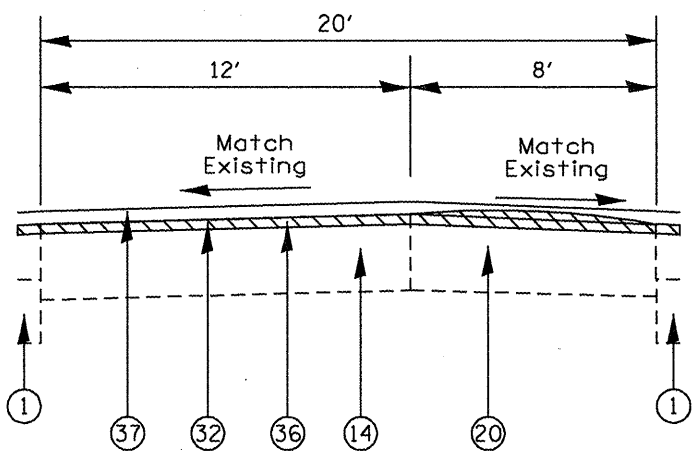
CONTRACT NO. 88803



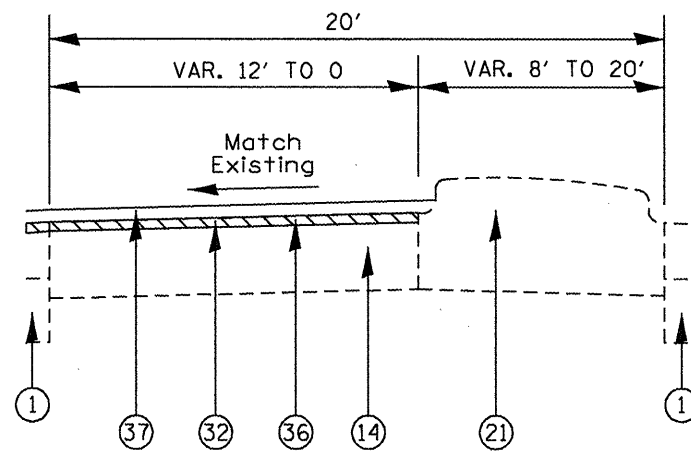
PROPOSED MEDIAN DETAIL #4  
STA 248+92 TO 250+46



PROPOSED MEDIAN DETAIL #5  
(PROPOSED MEDIAN CROSSOVERS)  
STA 191+80 TO 193+50  
STA 200+00 TO 204+02



PROPOSED MEDIAN DETAIL #6  
STA 282+66 TO 283+90



PROPOSED MEDIAN DETAIL #7  
STA 283+90 TO 285+00

LEGEND

- ① EXIST. 9"-7"-9" P.C.C. PAVEMENT
- ② EXIST. 8" P.C.C. PAVEMENT
- ③ EXIST. 10" P.C.C. PAVEMENT
- ④ EXIST. P.C.C. BRIDGE DECK
- ⑤ EXIST. HMA OVERLAY
- ⑥ EXIST. HMA OVERLAY 3"
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- ⑮ EXIST. M-4.04 CCC & G
- ⑯ EXIST. M-6.06 CCC & G
- ⑰ EXIST. TYPE B GUTTER
- ⑱ EXIST. SIDEWALK
- ⑲ EXIST. BRIDGE PARAPET
- ⑳ EXIST. CORRUGATED MEDIAN
- ㉑ EXIST. SB-6.06 CONCRETE MEDIAN
- ㉒ PROP. CENTER JOINT REPAIR SYSTEM
- ㉓ PROP. HMA SURF. REMOVAL 1<sup>1</sup>/<sub>2</sub>"
- ㉔ PROP. HMA SURF. REMOVAL VARIABLE 0" TO 1<sup>1</sup>/<sub>4</sub>"
- ㉕ PROP. BIT. SHOULDER REMOVAL
- ㉖ PROP. HMA BINDER COURSE 11<sup>3</sup>/<sub>4</sub>"
- ㉗ PROP. POLY. LVL. BNDR. (MACH. METH.) IL-4.75, N50 3<sup>4</sup>/<sub>4</sub>"
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- ㉙ PROP. HMA SHOULDER 1<sup>1</sup>/<sub>2</sub>"
- ㉚ PROP. HMA SHOULDER 8"
- ㉛ PROP. AGG. SHOULDER TY B
- ㉜ PROP. TYPE B GUTTER

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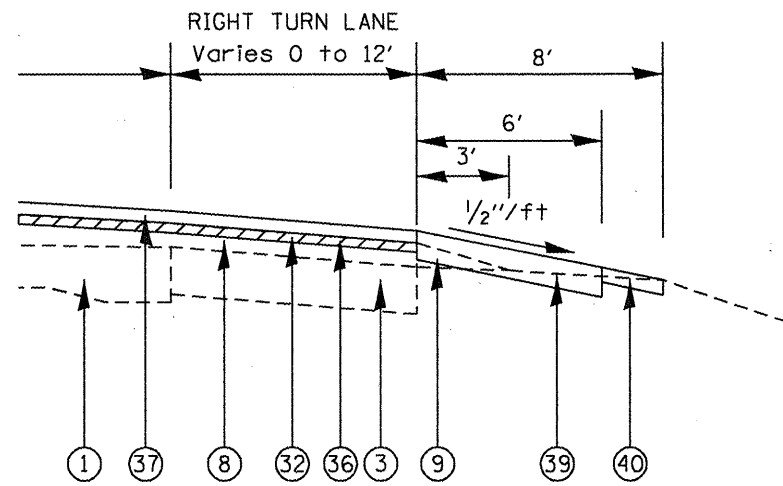
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

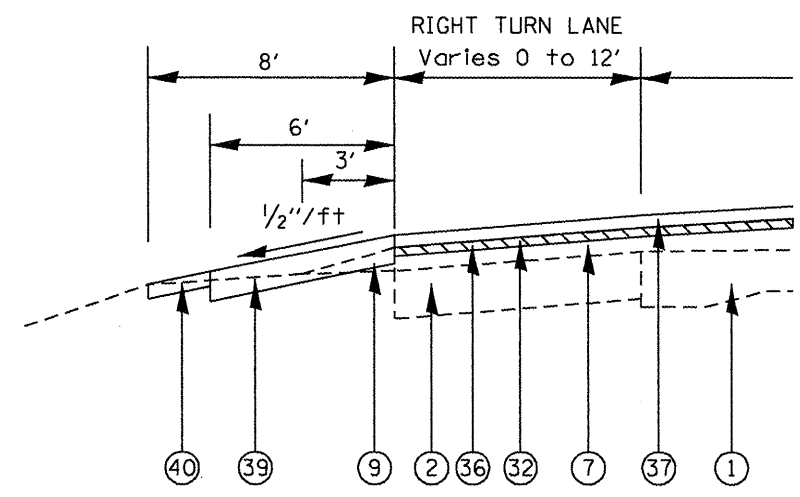
TYPICAL SECTIONS

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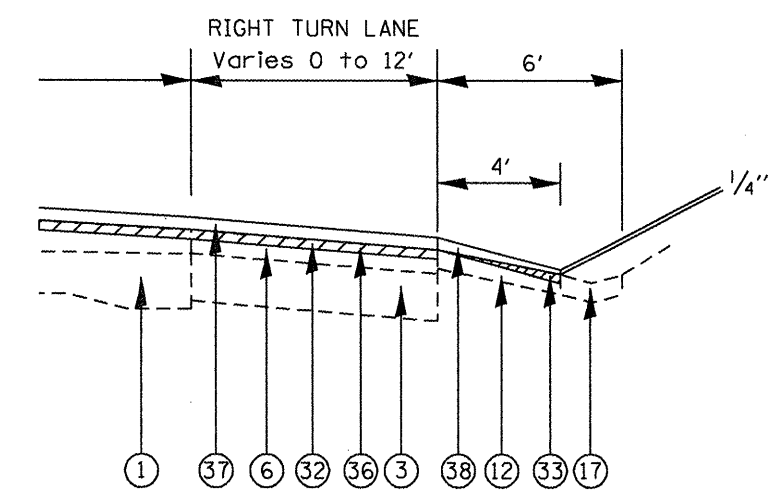
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64	(10,12)RS-6;11RS-4;10B)BR	PEORIA	186	137
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 88803	



TURN LANE DETAIL #1  
SOUTHBOUND RIGHT TURN LANE  
RT STA 152+76 TO 157+21



TURN LANE DETAIL #2  
NORTHBOUND RIGHT TURN LANE  
LT STA 176+68 TO 181+50



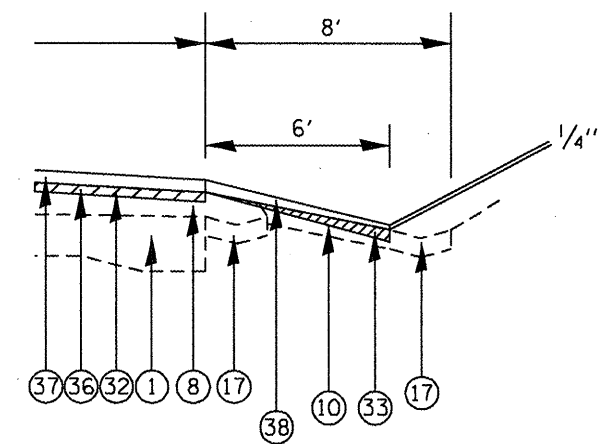
TURN LANE DETAIL #3  
SOUTHBOUND RIGHT TURN LANE  
RT STA 241+08 TO 244+87

**LEGEND**

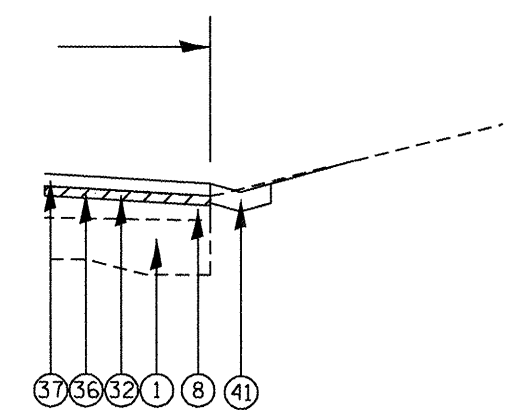
- ① EXIST. 9"-7"-9" P.C.C. PAVEMENT
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- ⑮ EXIST. M-4.04 CCC & G
- ⑯ EXIST. M-6.06 CCC & G
- ⑰ EXIST. TYPE B GUTTER
- ⑱ EXIST. SIDEWALK
- ⑲ EXIST. BRIDGE PARAPET
- ⑳ EXIST. CORRUGATED MEDIAN
- ㉑ EXIST. SB-6.06 CONCRETE MEDIAN

**LEGEND**

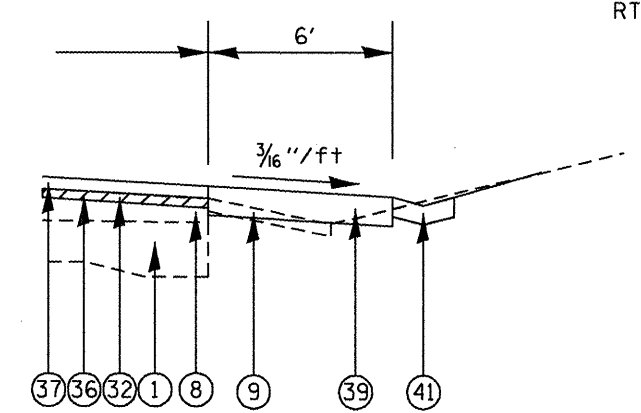
- ⑳ PROP. CENTER JOINT REPAIR SYSTEM
- ㉑ PROP. HMA SURF. REMOVAL 1 1/2"
- ㉒ PROP. HMA SURF. REMOVAL VARIABLE 0" TO 1 1/4"
- ㉓ PROP. BIT. SHOULDER REMOVAL
- ㉔ PROP. BIT. BINDER COURSE 11 3/4"
- ㉕ PROP. POLY. LVL. BNR. (MACH. METH.) IL-4.75, N50 3/4"
- ㉖ PROP. POLY. HMA SURF CSE MIX "D", N70 1 1/2"
- ㉗ PROP. HMA SHOULDER 1 1/2"
- ㉘ PROP. HMA SHOULDER 8"
- ㉙ PROP. AGG. SHOULDER TY B
- ㉚ PROP. TYPE B GUTTER



SHOULDER DETAIL #1  
RT STA 175+50 TO 182+50



SHOULDER DETAIL #2  
RT STA 201+49 TO 205+08



SHOULDER DETAIL #3  
RT STA 283+25 TO 284+85

TREE REMOVAL (OVER 15 UNITS DIAMETER)	
LOCATION	UNITS
STA 163+85 LT 14'	44
STA 166+40 LT 12'	30
STA 172+34 LT 10'	30
STA 250+30 LT 10'	30
STA 250+60 LT 14.5'	36
STA 264+50 LT 16.5	30
STA 265+40 LT 16'	24
<b>TOTAL</b>	<b>224</b>

PAVED SHOULDER REMOVAL	
LOCATION	SQ YD
MED STA 191+22 TO 193+49	201.8
MED STA 200+00 TO 204+02	357.3
<b>TOTAL</b>	<b>559.1</b>

STEEL PLATE BEAM GUARD RAIL REMOVAL	
LOCATION	FOOT
RT STA 99+11 TO 99+89	78
LT STA 100+00 TO 101+03	102
RT STA 122+49 TO 123+27	78
LT STA 123+41 TO 124+43	102
RT STA 149+97 TO 150+47	50
LT STA 197+47 TO 197+90	65
<b>TOTAL</b>	<b>475</b>

REMOVING INLETS	
LOCATION	EACH
204+00 MEDIAN	1
<b>TOTAL</b>	<b>1</b>

FILLING EXISTING CULVERTS	
LOCATION	EACH
204+00 (18" PCC)	1
<b>TOTAL</b>	<b>1</b>

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	
LOCATION	EACH
88+89 to 286+40	1169
<b>TOTAL</b>	<b>1169</b>

GUARDRAIL TABLE							
LOCATION	STEEL PLATE BEAM GUARD RAIL TYPE A	STEEL PLATE BEAM GUARD RAIL ATTACHED TO STRUCTURES	TRAFFIC BARRIER TERMINAL TYPE 1 TANGENT SPECIAL	TRAFFIC BARRIER TERMINAL TYPE 2	TERMINAL MARKER DIRECT APPLIED	GUARDRAIL AGGREGATE EROSION CONTROL	GUARDRAIL MARKERS TYPE A
	FOOT	FOOT	EACH	EACH	EACH	TON	EACH
RT STA 98+13 TO 98+63			1		1		
RT STA 98+63 TO 100+00.5	112.5	25				40.5	4
RT STA 100+00.5 TO 100+13				1			
LT STA 99+66.5 TO 99+79				1			
LT STA 99+79 TO 101+41.5	137.5	25				45.6	4
LT STA 101+41.5 TO 101+91.5			1		1		
RT STA 122+08.5 TO 122+58.5			1		1		
RT STA 122+58.5 TO 123+46	62.5	25				30.4	4
RT STA 123+46 TO 123+58.5				1			
LT STA 123+12 TO 123+24.5				1			
LT STA 123+24.5 TO 124+99.5	150	25				48.1	4
LT STA 124+99.5 TO 125+49.5			1		1		
RT STA 149+97 TO 150+47			1		1	10.1	1
LT STA 197+75 TO 197+87.5				1			
LT STA 197+87.5 TO 206+87.5	900					195.1	5
LT STA 206+87.5 TO 207+37.5			1		1		
RT STA 249+73.5 TO 250+23.5			1		1		
RT STA 250+23.5 TO 250+73.5	50					22.8	4
RT STA 250+73.5 TO 250+86				1			
LT STA 250+01.5 TO 250+14				1			
LT STA 250+14 TO 251+51.5	137.5					40.5	4
LT STA 251+51.5 TO 252+01.5			1		1		
RT STA 264+35 TO 264+85			1		1		
RT STA 264+85 TO 265+72.5	87.5					30.4	4
RT STA 265+72.5 TO 265+85				1			
LT STA 265+69.5 TO 265+82				1			
LT STA 265+82 TO 266+69.5	87.5					30.4	4
LT STA 266+69.5 TO 267+19.5			1		1		
<b>TOTAL</b>	<b>1725</b>	<b>100</b>	<b>10</b>	<b>9</b>	<b>10</b>	<b>493.9</b>	<b>38</b>

CONCRETE GUTTER, TYPE B (MODIFIED)	
LOCATION	FOOT
RT 202+60 TO 204+19	159
RT 283+42 TO 284+88	146
<b>TOTAL</b>	<b>305</b>

CLASS SI CONCRETE (OUTLET)	
LOCATION	CU YD
RT 202+49 (INLET)	0.73
RT 204+43 (ENTRANCE)	5.49
RT 204+84 (OUTLET)	3.71
RT 283+27 (INLET)	0.73
RT 285+24 (ENTRANCE)	5.24
<b>TOTAL</b>	<b>10.66</b>

STONE DUMPED RIP RAP CLASS A4	
LOCATION	SQ YD
RT 205+19 TO 205+40	10
<b>TOTAL</b>	<b>10</b>

FILTER FABRIC	
LOCATION	SQ YD
RT 205+19 TO 205+40	10
<b>TOTAL</b>	<b>10</b>

GRATING FOR BOX CULVERTS WITH WINGWALLS	
LOCATION	EACH
RT STA 166+14	1
RT STA 195+96	1
RT STA 209+63	1
LT STA 210+13	1
LT STA 225+31	1
RT STA 226+09	1
<b>TOTAL</b>	<b>6</b>

MOWING	
LOCATION	UNIT
88+89 TO 286+40	198
<b>TOTAL</b>	<b>198</b>

EARTH EXCAVATION	
LOCATION	CU YD
LT 88+89 TO 286+40	3073.5
MED 88+89 TO 286+40	457
RT 88+89 TO 286+40	3082.3
<b>TOTAL</b>	<b>6612.8</b>

NOTE: EARTH EX. FOR HMA SHOULDERS



**RESURFACING TABLE**

LOCATION	WIDTH	LENGTH	AREA	HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINT SQ YD	TEMPORARY RAMP SQ YD	HOT-MIX ASPHALT SURFACE REMOVAL		BITUMINOUS MATERIALS (PRIME COAT) TON	AGGREGATE (PRIME COAT) TON	SUBBASE GRANULAR MATERIAL TYPE A SQ YD	HMA BINDER COURSE IL-19.0, N70 TON	POLY LVL BNDR (MACHINE METHOD) IL-4.75, N50 TON	POLY HOT-MIX ASPHALT SURF CSE MIX "D" N70 TON	HOT-MIX ASPHALT SHOULDERS		HOT-MIX ASPHALT SHOULDERS 8"		AGGREGATE SHOULDERS TYPE B 6"		
						1.5" SQ YD	VAR. SQ YD							SHLDR TON	MEDIAN TON	LT SQ YD	RT SQ YD	LT SQ YD	RT SQ YD	
																				4" SQ YD
IL 180	FT	FT	SQ YD																	
88+89	TO	91+81	65.5	292	2125.1			1476.2	1.11	6.4			89.3	178.5			146	194.7	64.9	64.9
91+81	TO	94+14	65.5	233	1695.7			1695.7	0.88	5.1			71.2	142.4			95	155.3	42.2	51.8
94+14	TO	99+88	45.5	574	2901.9			2901.9	1.51	8.7			121.9	243.8	35.9		271.5	382.7	120.7	127.6
99+88	TO	100+04	65.5	16	116.4			116.4	0.06	0.3			9.8				8	10.7	3.6	3.6
100+04	TO	104+82	45.5	478	2416.6			2416.6	1.26	7.2			101.5	203	37.5		239	318.7	106.2	106.2
104+82	TO	123+26	65.5	1844	13420.2			13420.2	6.98	40.3			563.6	1127.3			850.5	920.7	378	306.9
123+26	TO	123+42	65.5	16	116.4			116.4	0.06	0.3			9.8				8	10.7	3.6	3.6
123+42	TO	132+92	65.5	950	6913.9			6913.9	3.6	20.7			290.4	580.8			475	552	211.1	184
132+92	TO	137+63	45.5	471	2381.2			2381.2	1.24	7.1			100	200	37		235.5	314	104.7	104.7
137+63	TO	139+91	65.5	228	1659.3			1659.3	0.86	5			69.7	139.4			114	152	50.7	50.7
139+91	TO	143+66	45.5	375	1895.8			1895.8	0.99	5.7			79.6	159.2	29.8		187.5	250	83.3	83.3
143+66	TO	145+98	65.5	232	1688.4			1688.4	0.88	5.1			70.9	141.8			116	134.7	51.6	44.9
145+98	TO	152+76	45.5	678	3427.7			3427.7	1.78	10.3			144	287.9	52.4		339	452	150.7	150.7
152+76	TO	154+58	45.5 to 57.5	182	1041.4			1041.4	0.54	3.1			43.7	87.5	15.4		91	121.3	40.4	40.4
154+58	TO	157+27	77.5	269	2316.4			2316.4	1.2	6.9			97.3	194.6			134.5	179.3	59.8	59.8
157+27	TO	162+92	65.5	565	4111.9			4111.9	2.14	12.3			172.7	345.4			282.5	295.3	125.6	98.4
162+92	TO	169+48	45.5	656	3316.4			3316.4	1.72	9.9			139.3	278.6	50.8		328	437.3	145.8	145.8
169+48	TO	175+40	65.5	592	4308.4			4308.4	2.24	12.9			181	361.9			296	394.7	131.6	131.6
175+40	TO	176+06	65.5	66	480.3			480.3	0.25	1.4			20.2	40.3	3.7		7.5		3.3	
176+06	TO	176+56	57.5	50	319.4			319.4	0.17	1			13.4	26.8	2.8	5.5	16		7.1	
176+56	TO	179+26	57.5	270	1725			1725	0.9	5.2			72.5	144.9	15.1	22	135		60	
179+26	TO	181+50	57.5 to 45.5	224	1281.8			1281.8	0.67	3.8			53.8	107.7	12.5	18.5	112		49.8	
181+50	TO	182+40	45.5	90	455			455	0.24	1.4			19.1	38.2	5	8.5	45		20	
182+40	TO	191+22	45.5	882	4459			4459	2.32	13.4			187.3	374.6	67.6		441	588	196	196
191+22	TO	193+50	65.5	228	1659.3			1152.7	0.86	5	346.6	333.4	69.7	139.4			114	152	50.7	50.7
193+50	TO	200+00	65.5	650	4730.6			4730.6	2.46	14.2			198.7	397.4			308	422.7	136.9	140.9
200+00	TO	204+02	65.5	402	2925.7			2032.3	1.52	8.8	611	587.8	122.9	245.8			201	164.7	89.3	54.9
204+02	TO	211+41	65.5	739	5378.3			5378.3	2.8	16.1			225.9	451.8			351	390	156	130
211+41	TO	216+90	45.5	549	2775.5			2775.5	1.44	8.3			116.6	233.1	42.8		274.5	366	122	122
216+90	TO	228+44.5 (BK)	65.5	1154.5	8402.2			8402.2	4.37	25.2			352.9	705.8			577.3	669	256.6	223
228+44.5 (BK)	TO	229+32	65.5	79.2	576.4			576.4	0.3	1.7			24.2	48.4			39.6	52.8	17.6	17.6
229+32	TO	233+71	45.5	439	2219.4			2219.4	1.15	6.7			93.2	186.4	34.6		219.5	292.7	97.6	97.6
233+71	TO	240+62	65.5	691	5028.9			5028.9	2.62	15.1			211.2	422.4			278.5	416.7	123.8	138.9
240+62	TO	241+08	65.5 to 68.5	46	342.4			342.4	20.4	0.18			14.4	28.8	2.6			30.7		10.2
241+08	TO	242+60	48.5 to 57.5	152	895.1			895.1	67.7	0.47			37.6	75.2	8.5	13.1	76	21.3	33.8	7.1
242+60	TO	244+19	57.5	159	1015.8			1015.8	70.7	0.53			42.7	85.3	8.9	13.7	79.5		35.3	
244+19	TO	244+94	77.5	75	645.8			645.8	33.3	0.34			27.1	54.2	4.2		37.5		16.7	
244+94	TO	248+92	65.5	398	2896.6			2896.6	1.51	8.7			121.7	243.3			199	208.7	88.4	69.6
248+92	TO	250+46	45.5	154	778.6			778.6	0.4	2.3			32.7	65.4	13.3		77	63.3	34.2	21.1
250+46	TO	274+83	65.5	2437	17735.9			17735.9	9.22	53.2			744.9	1489.8			1179.5	1377.3	524.2	459.1
274+83	TO	282+66	45.5	783	3958.5			3958.5	2.06	11.9			166.3	332.5	60.3		379	522	168.4	174
282+66	TO	286+10	65.5	344	2503.6			2503.6	1.3	7.5			105.2	210.3			172	102.7	76.4	
286+10	TO	286+40	65.5 to 55	30	380.6	380.6	62.2	380.6	0.2	1.1				32						
Side Roads	var	var	var	515.2				515.2	0.1	1				28.9						
Entrances & Mailbox Turnouts	var	var	var	1456.5				1456.5	0.29	2.9				81.6						
Subtotals															63.3	558.7	9536.4	11116.7	4238.6	3671.6
Totals						380.6	62.2	129346	658.7	67.72	391.8	957.6	921.2	5410.3	10982	622	20653.1		7910.2	

SURFACE TYPE	PRIME COAT APPLICATION RATES	
	BITUMINOUS PRIME COAT (GAL/SQ YD)	AGGREGATE PRIME COAT (LB/SQ YD)
ON GRANULAR BASE	0.5	4
ON COLD MILLED SURFACE	0.1	4
EXISTING PAVEMENT	0.05	4
FOG COAT ON NEW BINDER	0.03	2

0.004 TONS PER GALLON FOR BITUMINOUS PRIME COAT

HMA AND COARSE AGGREGATE APPLICATION RATES	
HMA SURFACE AND BINDER	112 LB/SQ YD IN
ALL OTHER HMA	112 LB/SQ YD IN
COARSE AGGREGATE	2.05 TONS/CU YD

FILE NAME = c:\projects\1129\moss\general.dgn  
 USER NAME = hudej@ornme  
 PLOT SCALE = 1/8" = 100.0000' / IN.  
 PLOT DATE = 10/28/2008

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES				
SCALE:	SHEET NO.	OF	SHEETS	STA. TO STA.

F.A.P. RTE. 64	SECTION (10,12)RS-6(11)RS-4(10)IBR	COUNTY PEORIA	TOTAL SHEETS 186	SHEET NO. 140
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

**CONTRACT NO. 88803**



PERMANENT AND TEMPORARY PAVEMENT MARKINGS												RAISED REFLECTIVE PAVEMENT MARKERS		
LOCATION	LENGTH	THERMOPLASTIC								PREFORMED PLASTIC TY B 6" WHITE DASH CL FOOT	1-WAY CRYSTAL CENTER EACH	1-WAY CRYSTAL RTL EACH	2-WAY AMBER TWLTL EACH	
		4" WHITE SOLID		4" YELLOW SOLID		4" YELLOW DASH		LETTERS AND SYMBOLS	SQ FT					
		LT	RT	MLT	MRT	MLT	MRT							
		FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT						
88+89 TO 95+20	631	631	631	631	631	157.75	157.75	124.8	316			32		
95+20 TO 99+88	468	468	468	468	468				234					
99+88 TO 104+82	494	494	494	494	494				248					
104+82 TO 132+92	2810	2677	2617	2810	2810	702.5	702.5	468	1406			142		
132+92 TO 137+63	471	471	471	471	471				236					
137+63 TO 139+91	228	228	228	228	228	57	57	62.4	114			12		
139+91 TO 143+66	375	375	375	375	375				188					
143+66 TO 145+98	232	232	232	232	232	58	58	62.4	116			12		
145+98 TO 152+76	678	678	678	678	678				340					
152+76 TO 154+58	182	182	182	182	182				92					
154+58 TO 157+21	263	263	526	263	263	65.75	65.75	109.2	132	7		14		
157+21 TO 162+92	571	571	471	571	571	142.75	142.75	93.6	286			30		
162+92 TO 169+48	656	656	656	656	656				328					
169+48 TO 176+06	658	658	558	658	658	164.5	164.5	124.8	330			34		
176+06 TO 179+26	320	620	320	320	320			46.8	160	8				
179+26 TO 181+50	224	224	224	224	224				112					
181+50 TO 191+22	972	972	972	972	972				486					
191+22 TO 211+41	2019	2019	3990	2019	2019	504.75	504.75	343.2	1010			102		
211+41 TO 216+90	549	549	549	549	549				276					
216+90 TO 228+44.5 (BK)	1154.5	1154.5	1118.5	1154.5	1154.5	288.63	288.63	187.2	578			58		
228+52.8 (AH) TO 229+32	79.2	79.2	79.2	79.2	79.2	19.8	19.8	31.2	40			4		
229+32 TO 233+71	439	439	439	439	439				220					
233+71 TO 240+62	691	607	627	691	691	172.75	172.75	124.8	346			36		
240+62 TO 241+08	46	46	46	46	46	11.5	11.5	31.2	24			4		
241+08 TO 242+60	152	152	152	152	152				76					
242+60 TO 244+19	159	159	318	159	159			31.2	80	4				
244+19 TO 245+37	118	118	236	118	118	29.5	29.5	46.8	60	3		6		
245+37 TO 248+92	355	355	355	355	355	88.75	88.75	62.4	178			18		
248+92 TO 250+46	154	154	154	154	154				78					
250+46 TO 274+83	2437	2385	2397	2437	2437	609.25	609.25	405.6	1220			122		
274+83 TO 281+70	687	687	687	687	687				344					
281+70 TO 286+11	441	441	441	441	441	110.25	110.25	93.6	222			24		
286+11 TO 286+40	29	29	29	29	29				16			2		
<b>SUB TOTALS</b>		<b>19774</b>	<b>21721</b>	<b>19743</b>	<b>19743</b>	<b>3183.4</b>	<b>3183.4</b>			<b>495</b>	<b>22</b>	<b>652</b>		
<b>TOTALS</b>				<b>87347</b>				<b>2449.2</b>	<b>9892</b>		<b>1169</b>			

SHORT TERM PAVEMENT MARKING						WORK ZONE PAVEMENT MARKING REMOVAL	
LOCATION	LENGTH	CL	MED	SHLDR	MED	SQ FT	
		DASH	DASH	DIAG	DIAG		
		FOOT	FOOT	FOOT	FOOT		
88+89 TO 286+40	19751	3950	2546.7	1580	561		
		8637.7					
		X 2 APPLICATIONS					
<b>TOTALS</b>		<b>17275.4</b>					<b>5758.5</b>

	CLASS D PATCHES														
	SB PASSING LANE			SB DRIVING LANE			MEDIAN			NB PASSING LANE			NB DRIVING LANE		
	TY II	TY III	TY IV	TY II	TY III	TY IV	TY II	TY III	TY IV	TY II	TY III	TY IV	TY II	TY III	TY IV
SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	
SECTION 1															
54+95 to 61+50	6.1	0	0	12.2	0	0	0	0	0	37.8	0	0	46.5	0	0
SECTION 2															
61+50 to 76+50	37.8	0	0	69.5	0	30.6	0	0	0	78.1	0	0	81	21	0
Omit - Bridge Build Up															
86+00 to 88+89	57.4	39.2	0	67.2	0	0	0	0	0	15.9	0	0	19.5	0	0
SECTION 3															
88+89 to Bridge (99+96)	172.2	0	36.7	97.7	0	0	0	0	0	64.6	0	0	79.5	0	0
Bridge (99+96) to Fairview (111+53)	39	0	0	61	0	0	0	0	0	12.2	0	0	30	0	0
Fairview (111+53) to Brookview (121+48)	33	0	0	42.7	0	91.8	44.4	0	0	31.7	0	0	46.5	0	0
Brookview (121+48) to Entrance RT (143+89)	123.3	0	0	58.6	19.6	0	0	0	0	13.4	0	0	16.5	0	0
Entrance RT (143+89) to Detweiller (157+85)	135.4	0	36.7	103.7	0	0	0	0	0	87.9	0	0	75	33	0
Detweiller (157+85) to Golf Course (176+85)	176.9	0	0	146.4	0	0	31.1	0	0	74.4	0	0	106.5	0	0
Golf Course (176+85) to Entrance LT (197+40)	209.8	0	0	216	0	0	0	0	0	141.6	0	0	148.5	15	0
Entrance LT (197+40) to Derby (208+19)	114.9	0	36.7	106.3	0	0	0	0	0	100.1	0	0	63	0	0
Derby (208+19) to Koch (225+69)	174.5	0	0	173.3	0	0	0	0	0	204.9	19.6	0	126	45	0
Koch (225+69) to Skyline (236+45)	69.6	0	0	67.2	0	61.1	0	0	0	152.5	24.4	0	111	0	0
Skyline (236+45) to San Koty (252+00)	136.6	0	0	122	0	73.3	0	17.8	0	168.3	0	0	148.5	0	0
San Koty (252+00) to Box Culvert 8x6 (265+86)	107.4	0	0	108.6	0	0	13.3	0	0	146.4	19.6	0	67.5	24	0
Box Culvert 8x6 (265+86) to San Koty (274+83)	69.5	0	0	75.6	0	0	0	0	0	106.1	0	0	93	15	0
San Koty (274+83) to 286+10	83	0	0	74.4	0	0	11.1	0	0	152.7	0	0	102	15	0
SUBTOTALS															
W/ ADD'L 155 (WINTER BREAKUP)	1746.4	39.2	110.1	1602.4	19.6	256.8	99.9	17.8	0	1588.6	63.6	0	1360.5	168	0
TOTAL TYPE II (SQ YD)	2008	45	127	1843	23	295	115	20	0	1827	73	0	1565	193	0
TOTAL TYPE III (SQ YD)															
TOTAL TYPE IV (SQ YD)															

CENTER JOINT REPAIR SYSTEM			
NORTHBOUND CL			FOOT
61+08	TO	76+50	1542
103+85	TO	143+00	3915
153+30	TO	224+40	7110
241+49	TO	286+10	4461
SOUTHBOUND CL			
105+32	TO	114+45	913
131+45	TO	134+20	275
183+11	TO	185+77	266
192+42	TO	205+00	1258
224+00	TO	274+83	5083
SOUTHBOUND RT			
154+50	TO	155+50	100
243+50	TO	244+00	50
MEDIAN RT			
108+00	TO	110+50	250
159+00	TO	161+00	200
223+00	TO	225+50	250
TOTAL			25673

NOTE: SEQUENCE OF OPERATIONS:  
1) 1.5" HMA SURFACE REMOVAL, THEN  
2) CENTER JOINT REPAIR SYSTEM

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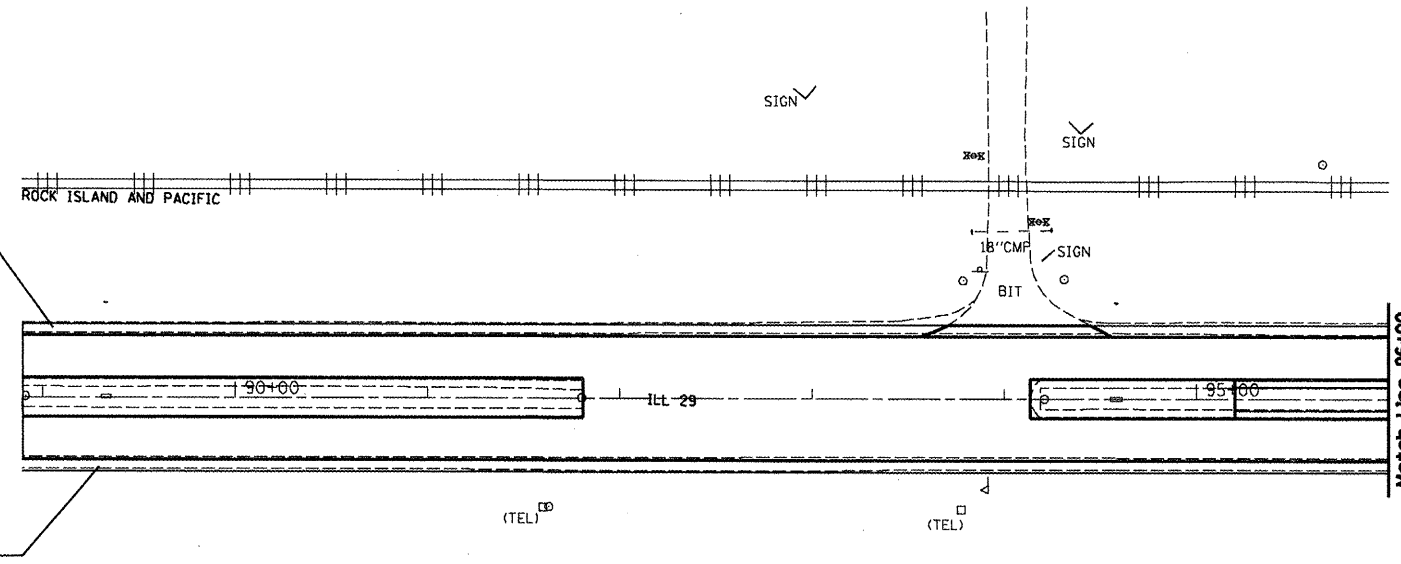
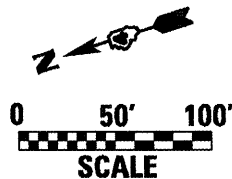
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PLOT DATE = 10/28/2008	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

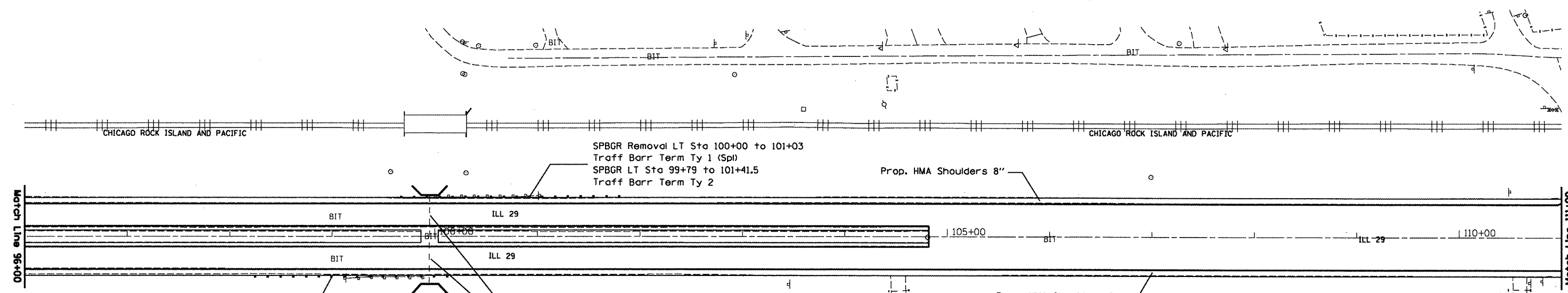
SCHEDULE OF QUANTITIES

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(10,12)RS-6(11RS-4(10B)BR	PEORIA	186	142
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 88803	

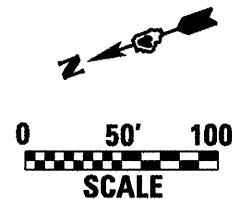


Notes For Proposed Median  
Sta 88+89 to 91+82.31 and  
Sta 94+13.70 to 95+19.22 see  
Section 2

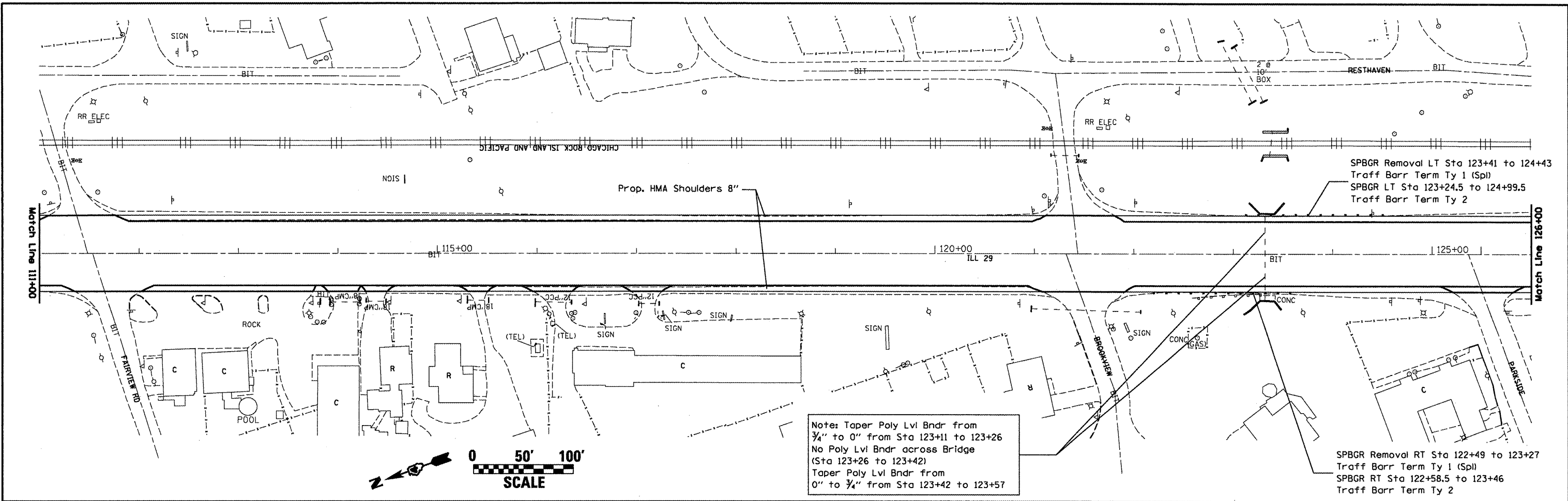


SPBGR Removal RT Sta 99+11 to 99+89  
Traff Barr Term Ty 1 (Spl)  
SPBGR RT Sta 98+63 to 100+00.5  
Traff Barr Term Ty 2

Note: Taper Poly Lvl Bndr from  
3/4" to 0" from Sta 99+73 to 99+88  
No Poly Lvl Bndr across Bridge  
(Sta 99+88 to 100+04)  
Taper Poly Lvl Bndr from  
0" to 3/4" from Sta 100+04 to 100+19



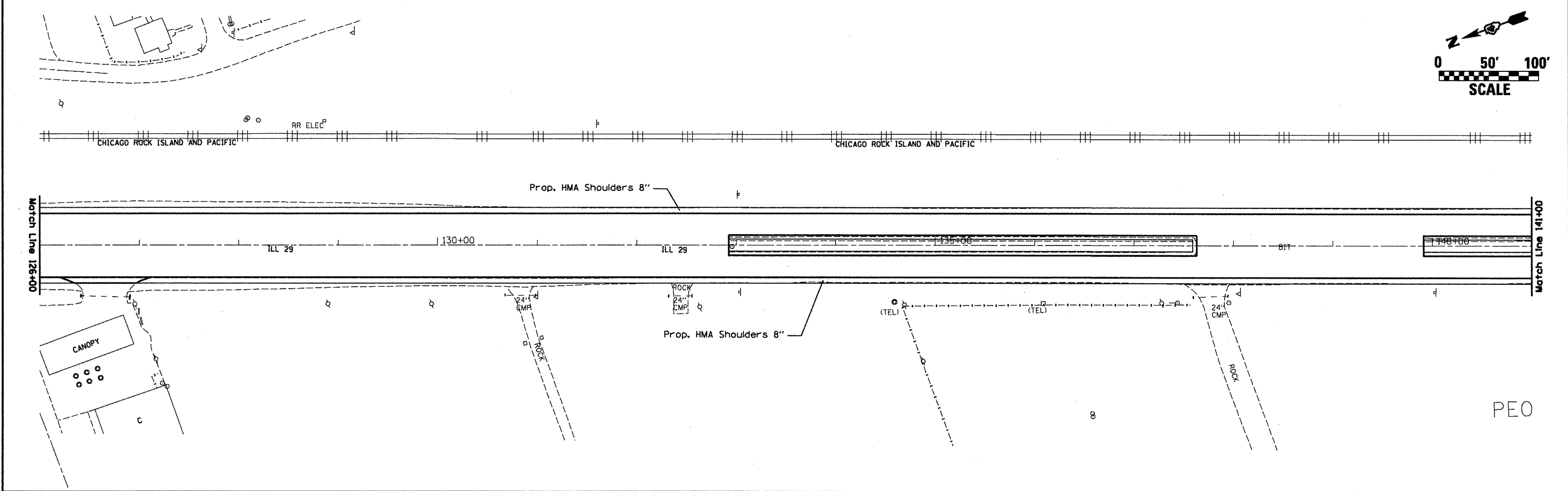
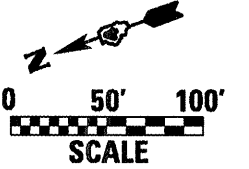
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	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -					64	(10,12)RS-6;11RS-4(10)IBR	PEORIA	186	143
	PLOT DATE = 10/20/2008	CHECKED -	REVISED -					CONTRACT NO. 88803				
	DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



Note: Taper Poly Lvl Bndr from 3/4" to 0" from Sta 123+11 to 123+26  
 No Poly Lvl Bndr across Bridge (Sta 123+26 to 123+42)  
 Taper Poly Lvl Bndr from 0" to 3/4" from Sta 123+42 to 123+57

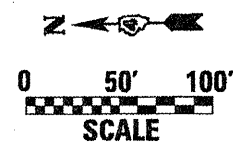
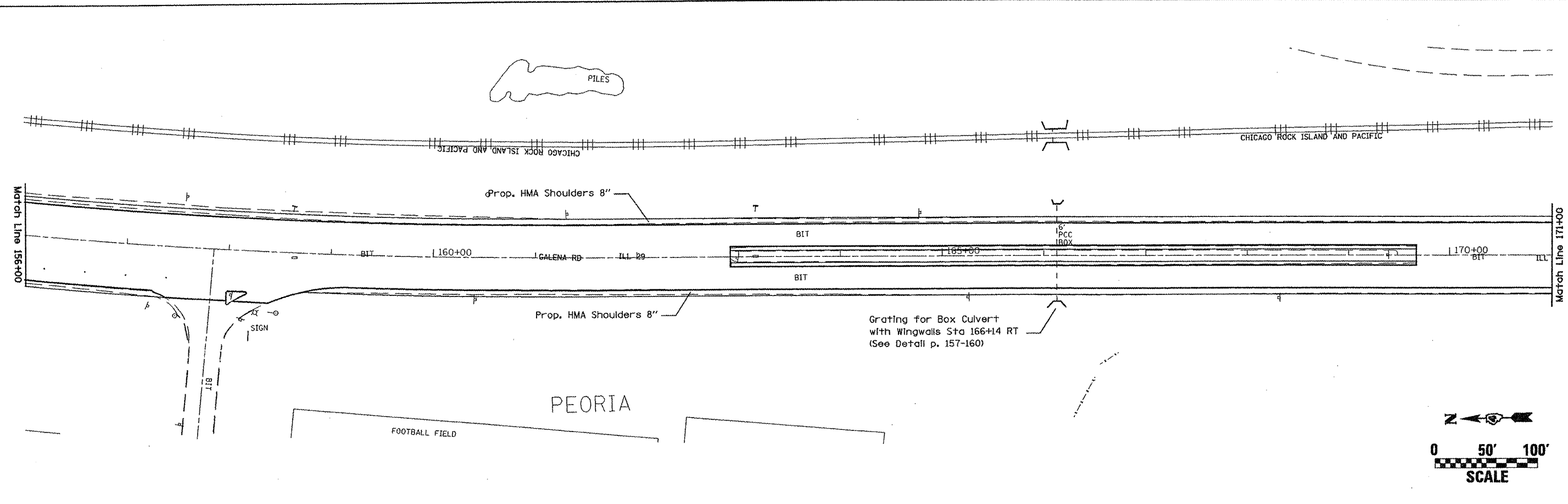
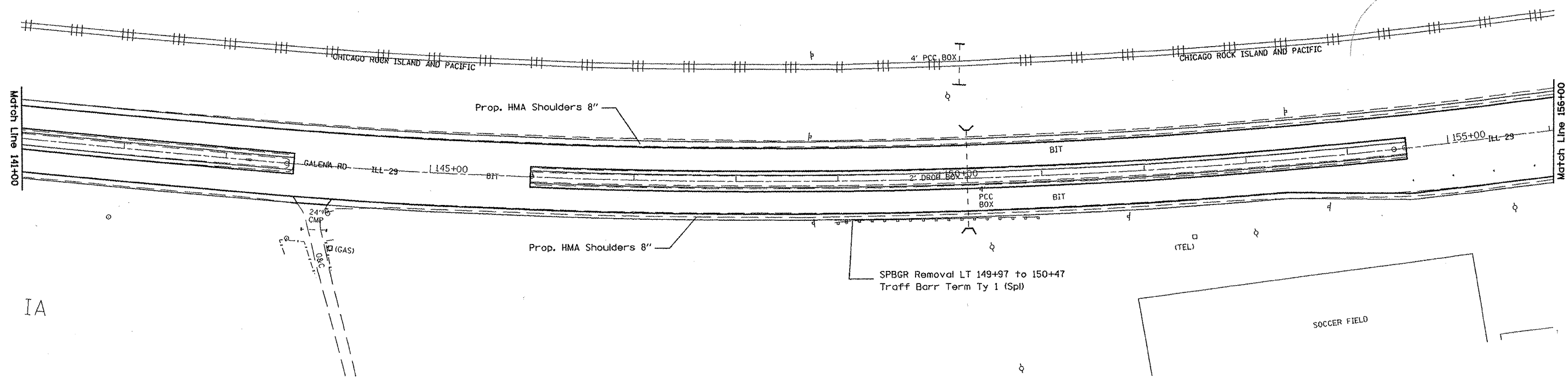
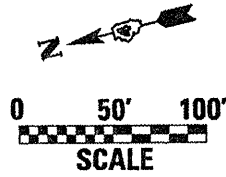
SPBGR Removal LT Sta 123+41 to 124+43  
 Traff Barr Term Ty 1 (Spl)  
 SPBGR LT Sta 123+24.5 to 124+99.5  
 Traff Barr Term Ty 2

SPBGR Removal RT Sta 122+49 to 123+27  
 Traff Barr Term Ty 1 (Spl)  
 SPBGR RT Sta 122+58.5 to 123+46  
 Traff Barr Term Ty 2

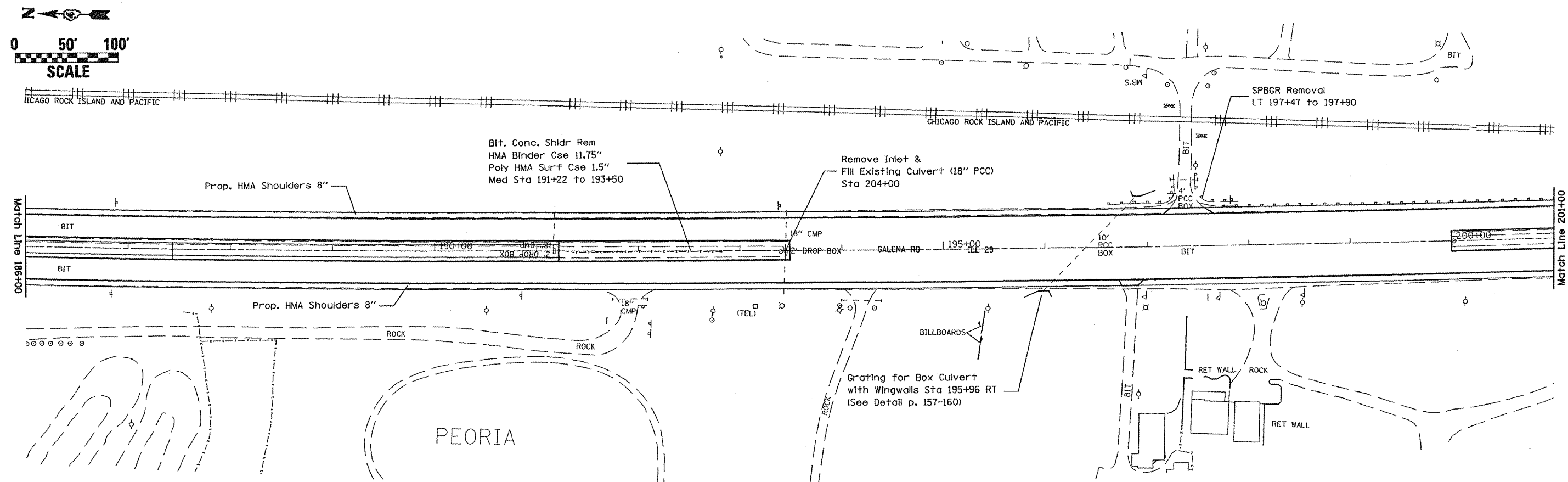
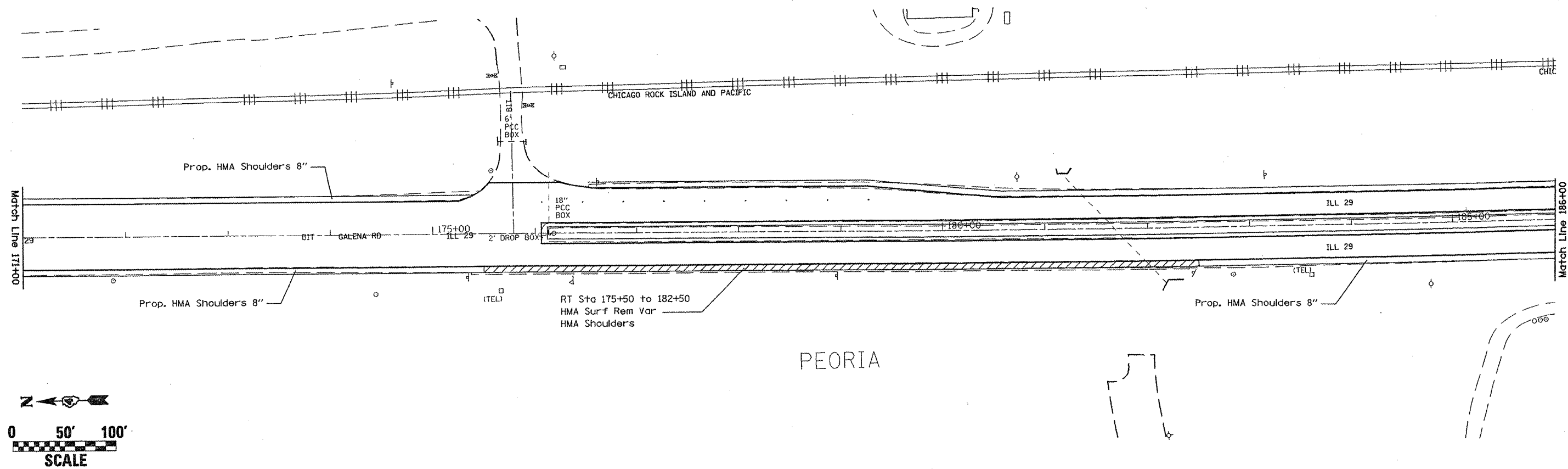


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DATE -	REVISED -	ILLINOIS FED. AID PROJECT										
					SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.		



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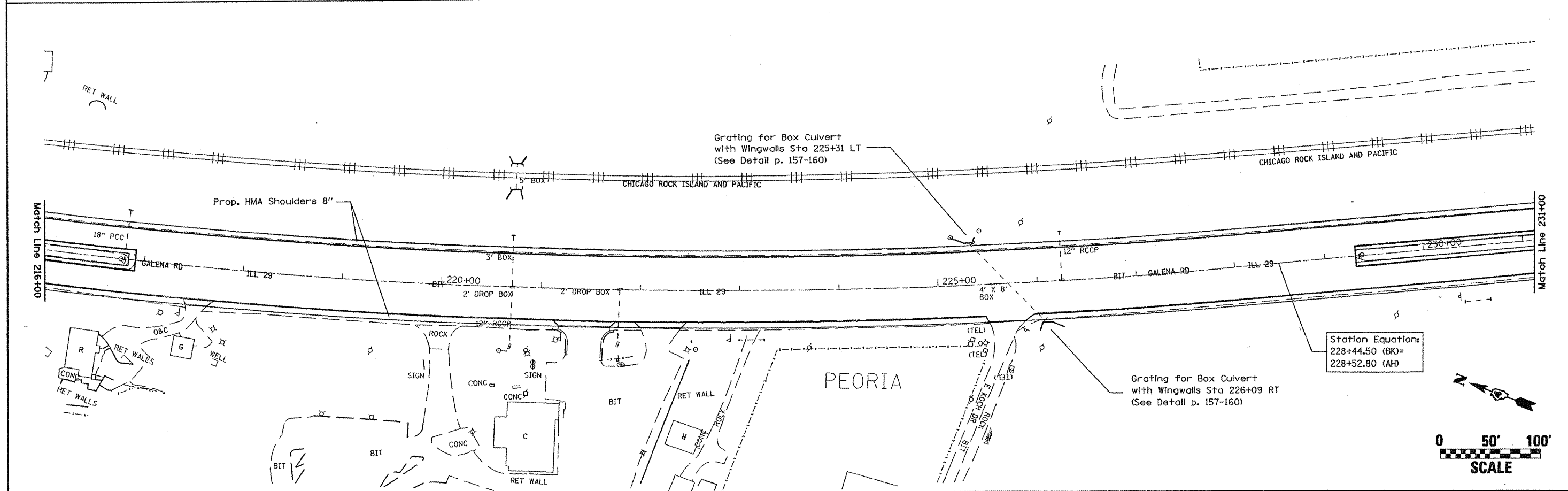
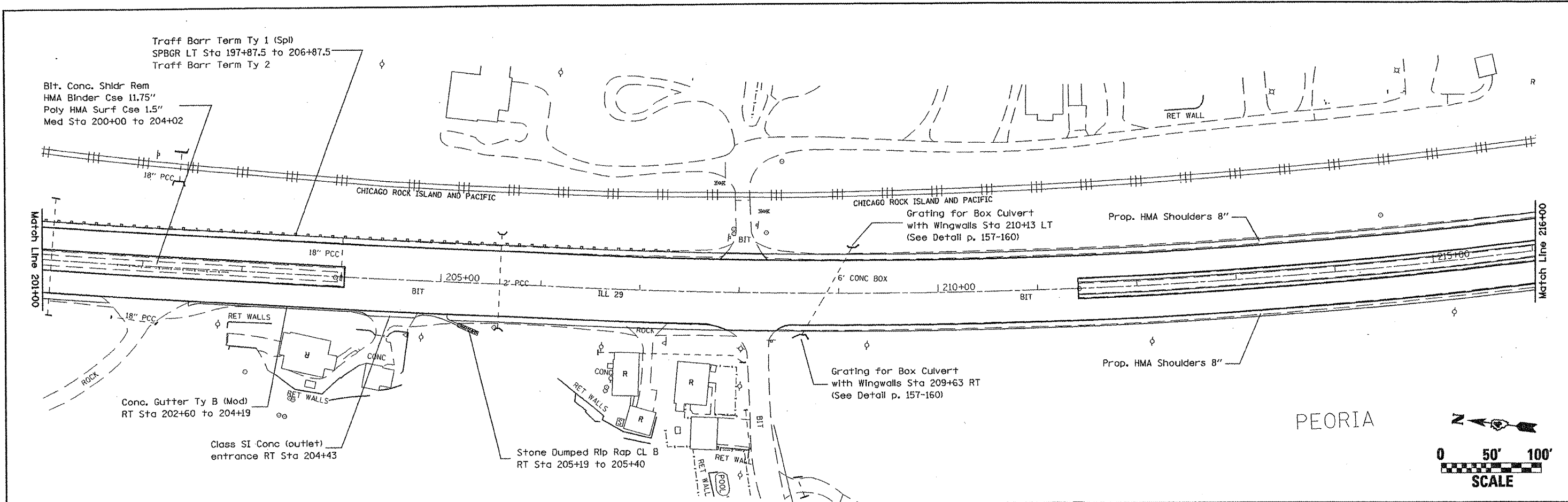


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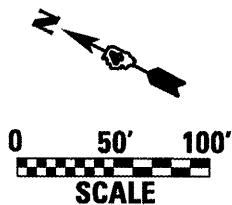
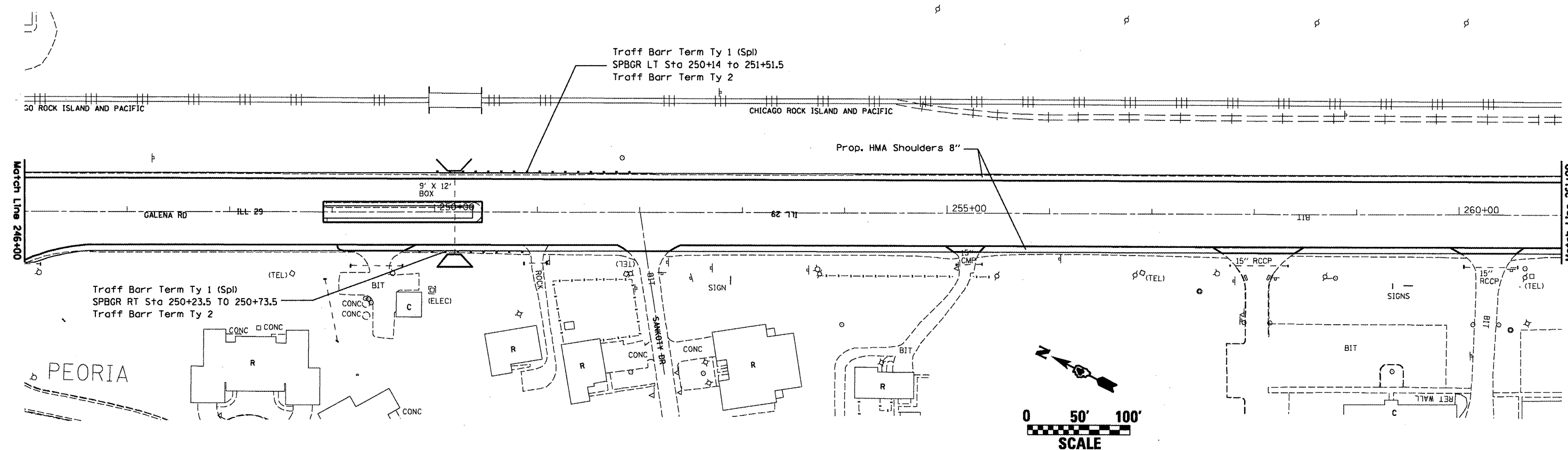
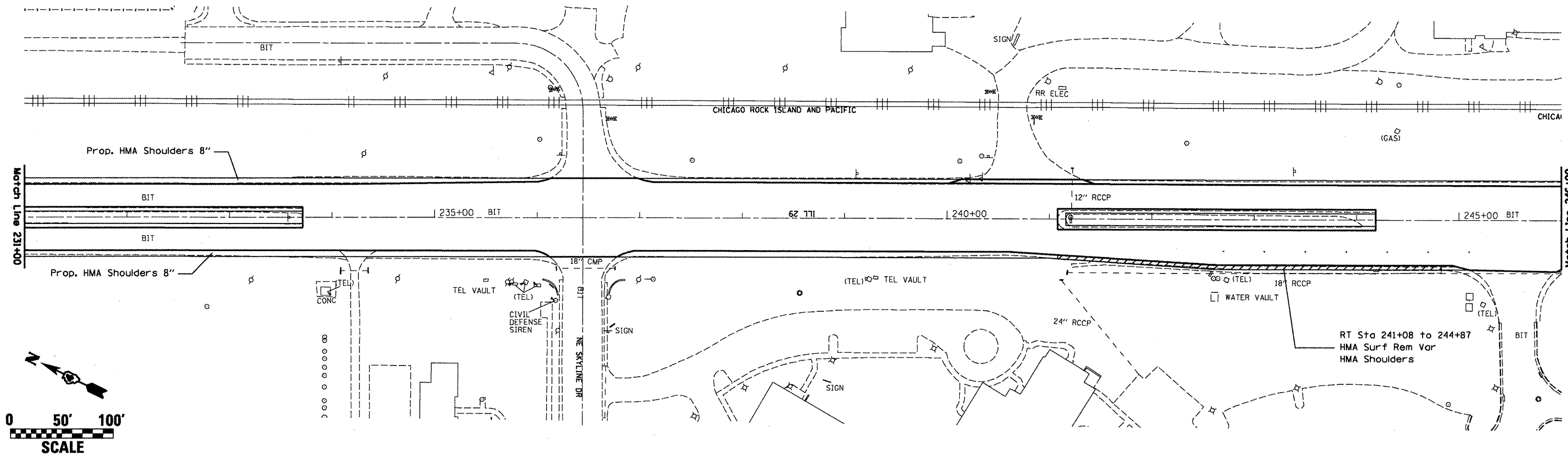
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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64	(10,12)RS-6(1)RS-4(10)BR	PEORIA	186	146
CONTRACT NO. 88803				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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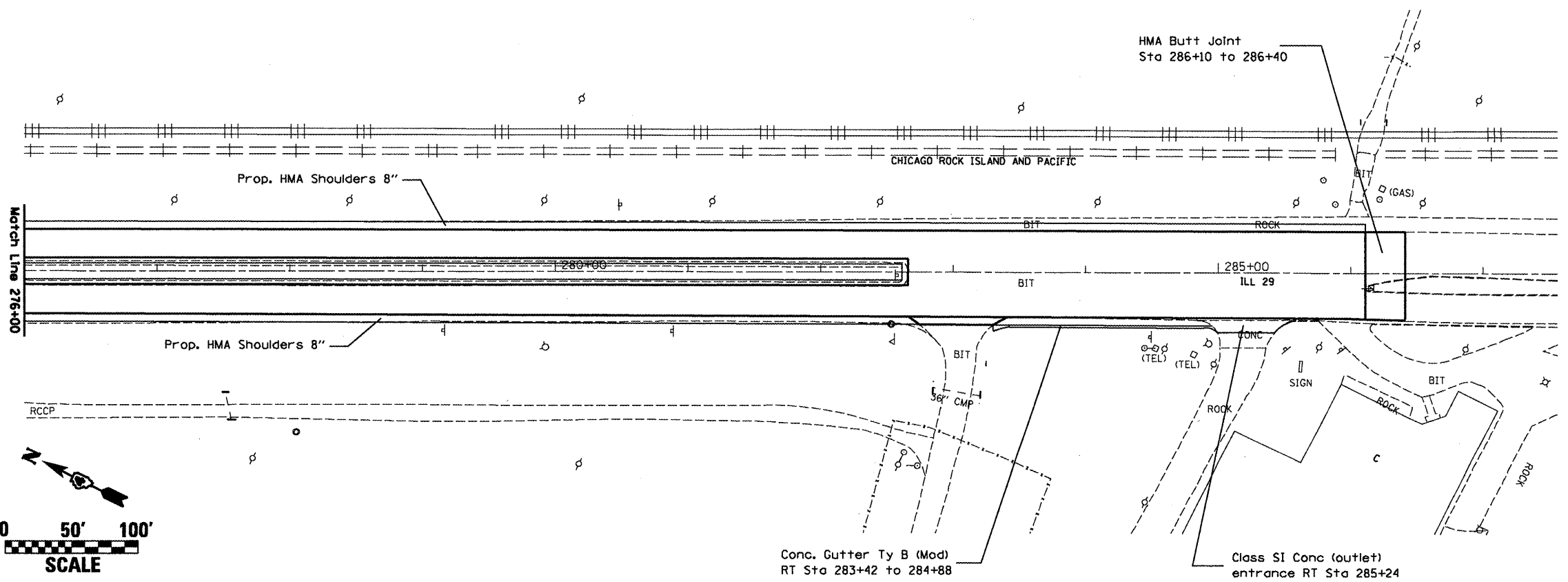
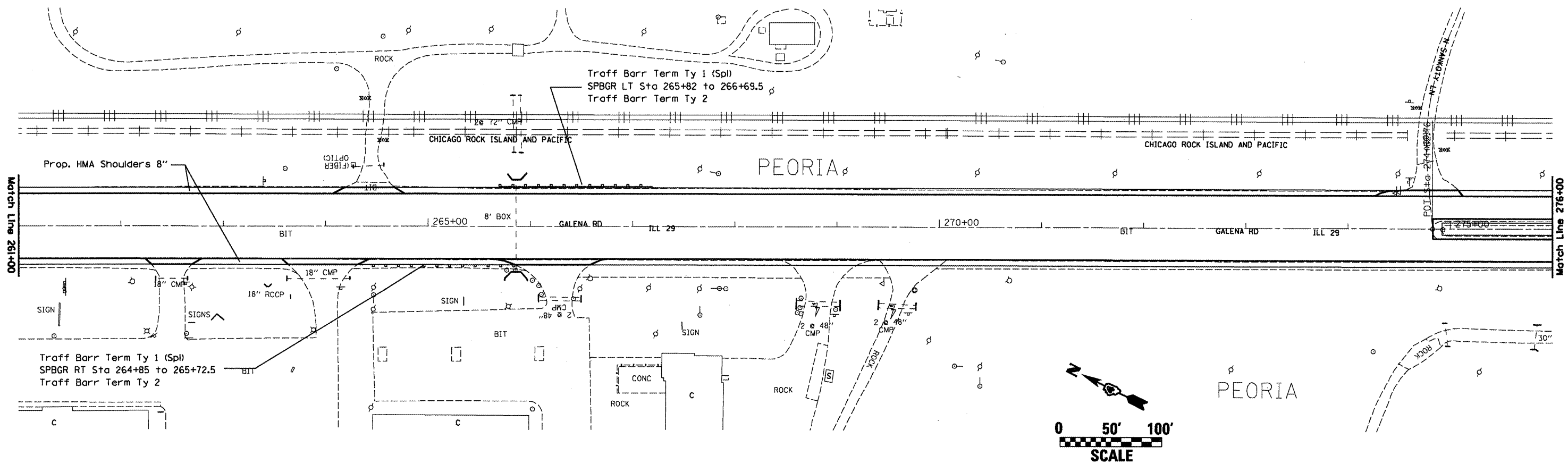
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 DEPARTMENT OF TRANSPORTATION**

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64	(10,12)RS-6(11RS-4(10B)BR	PEORIA	186	148
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

**CONTRACT NO. 88803**





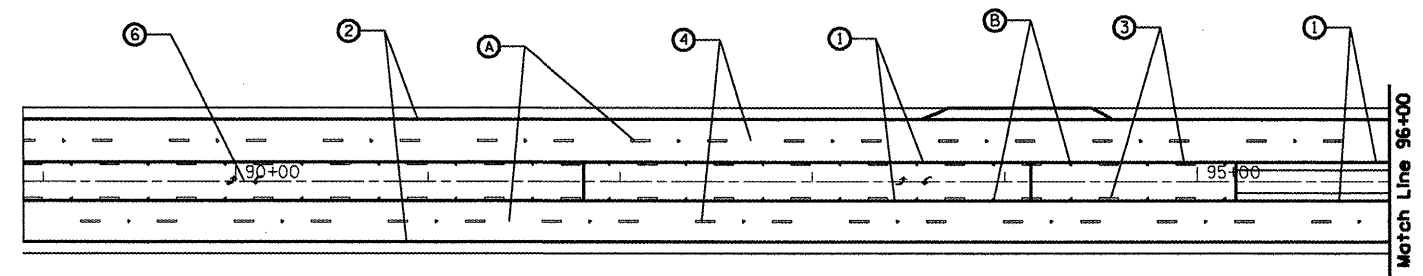
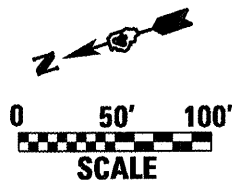
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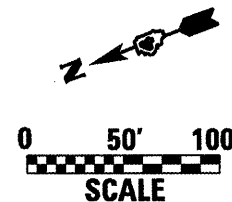
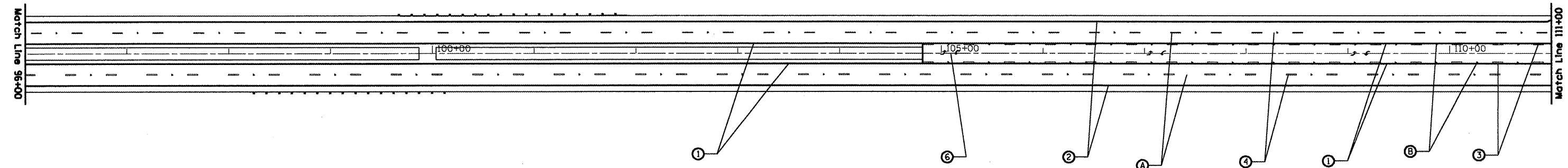
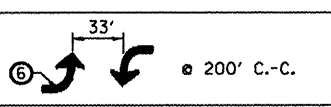
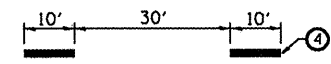
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PROPOSED PLAN**  
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64	110.121RS-6;11RS-4;11OB1BR	PEORIA	186	149
<b>CONTRACT NO. 88803</b>				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



- 1. 4" Yellow Solid
- 2. 4" White Solid
- 3. 4" Yellow Skip Dash
- 4. 6" White Skip Dash
- 5. 8" White Solid
- 6. Letters & Arrows
- A. One-Way Crystal @ 80' C.-C.
- B. Two-Way Amber @ 40' C.-C.



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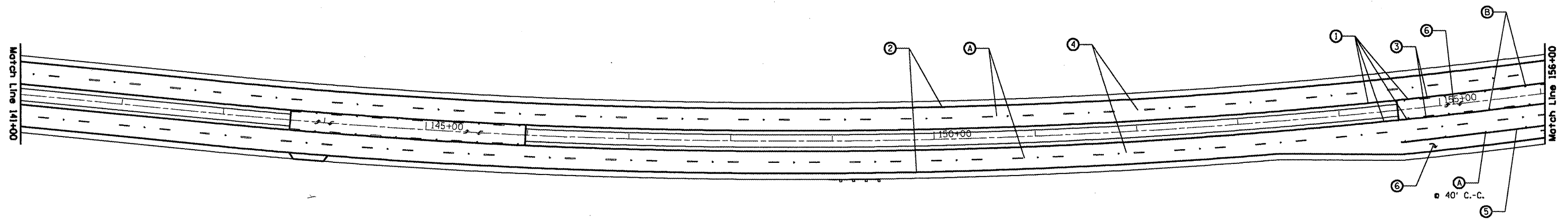
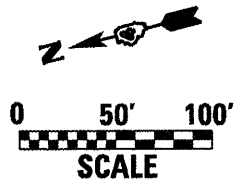
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DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS**

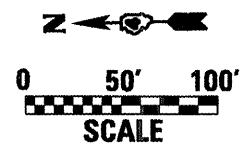
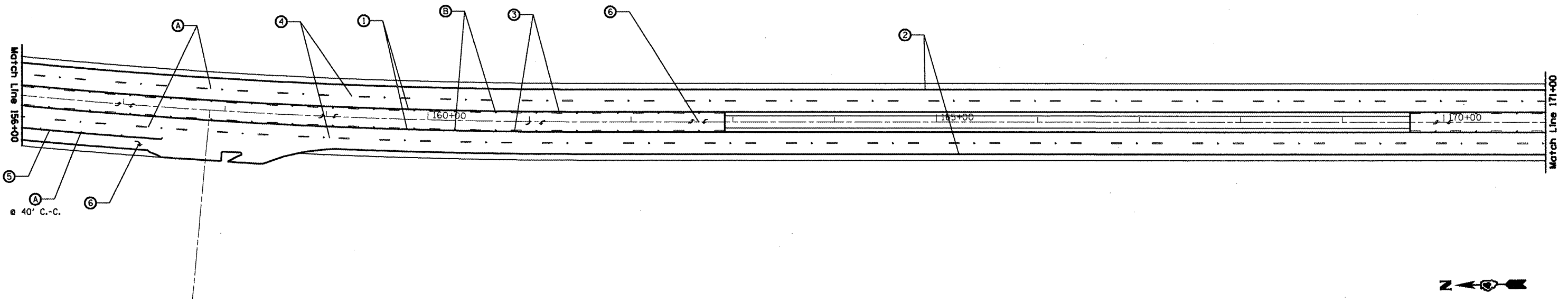
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			<b>CONTRACT NO. 88803</b>	

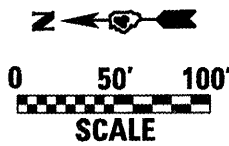
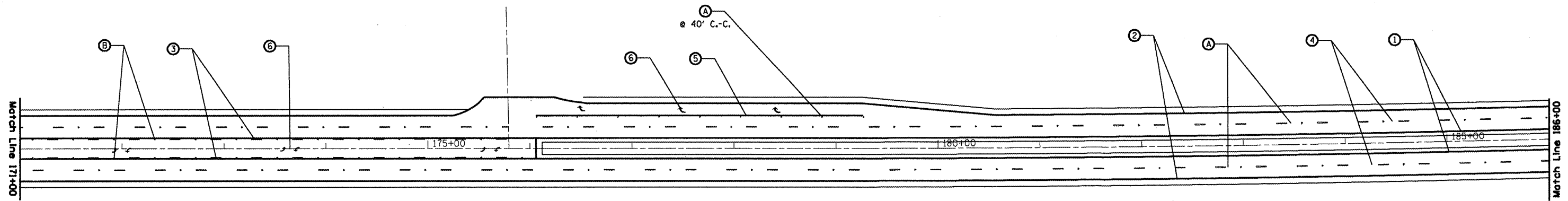




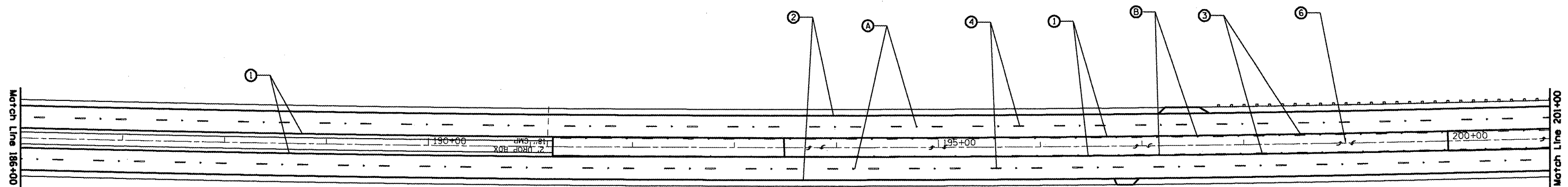
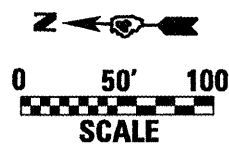
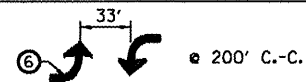
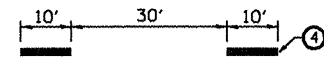
1. 4" Yellow Solid
2. 4" White Solid
3. 4" Yellow Skip Dash
4. 6" White Skip Dash
5. 8" White Solid
6. Letters & Arrows
A. One-Way Crystal @ 80' C.-C.
B. Two-Way Amber @ 40' C.-C.

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		DATE -	REVISED -								FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		



- 1. 4" Yellow Solid
- 2. 4" White Solid
- 3. 4" Yellow Skip Dash
- 4. 6" White Skip Dash
- 5. 8" White Solid
- 6. Letters & Arrows
- A. One-Way Crystal @ 80' C.-C.
- B. Two-Way Amber @ 40' C.-C.



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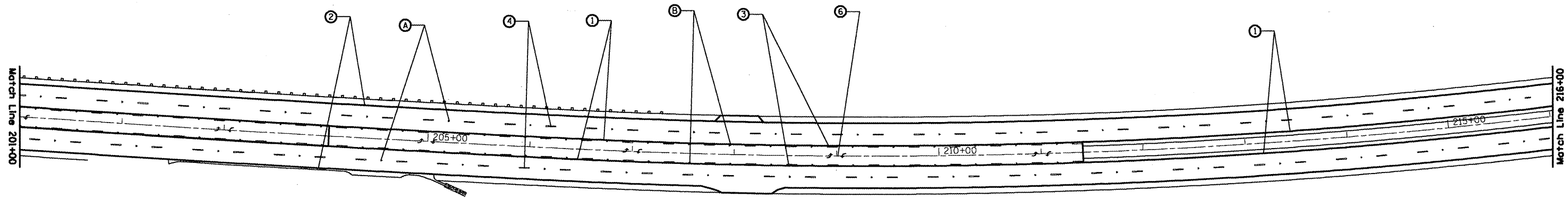
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

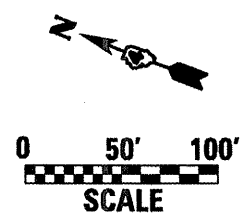
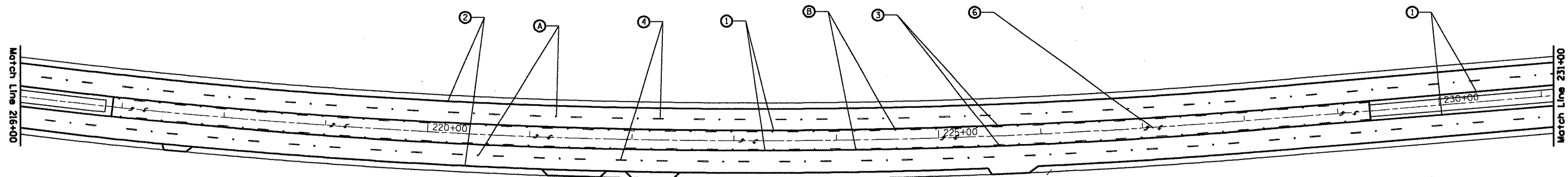
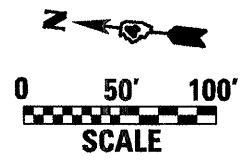
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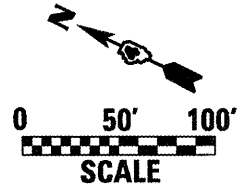
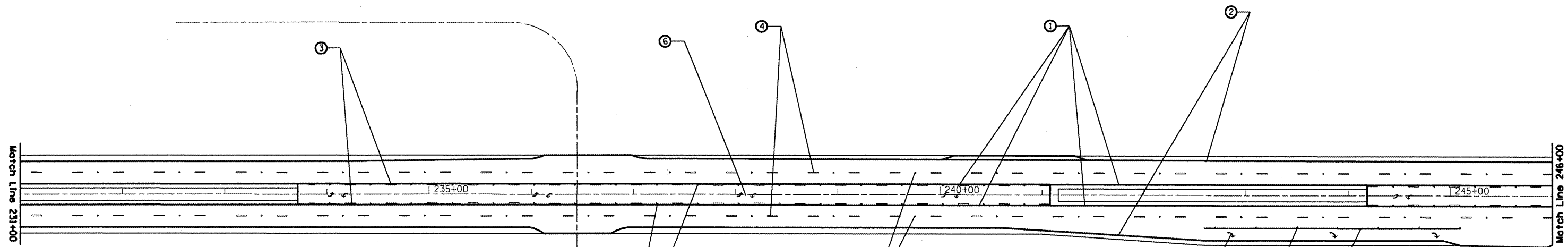
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



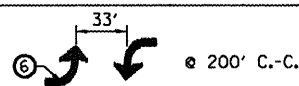
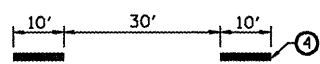
1. 4" Yellow Solid
2. 4" White Solid
3. 4" Yellow Skip Dash
4. 6" White Skip Dash
5. 8" White Solid
6. Letters & Arrows
A. One-Way Crystal @ 80' C.-C.
B. Two-Way Amber @ 40' C.-C.



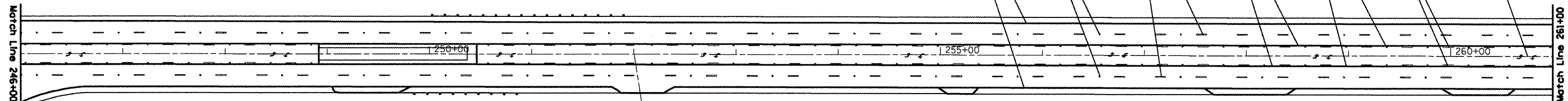
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PLOT DATE = 10/28/2008	DATE -	REVISIED -	REVISIED -					ILLINOIS FED. AID PROJECT		



- 1. 4" Yellow Solid
- 2. 4" White Solid
- 3. 4" Yellow Skip Dash
- 4. 6" White Skip Dash
- 5. 8" White Solid
- 6. Letters & Arrows
- A. One-Way Crystal @ 80' C.-C.
- B. Two-Way Amber @ 40' C.-C.



40' C.-C.



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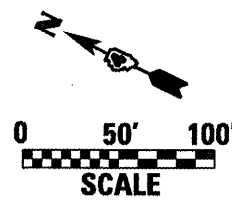
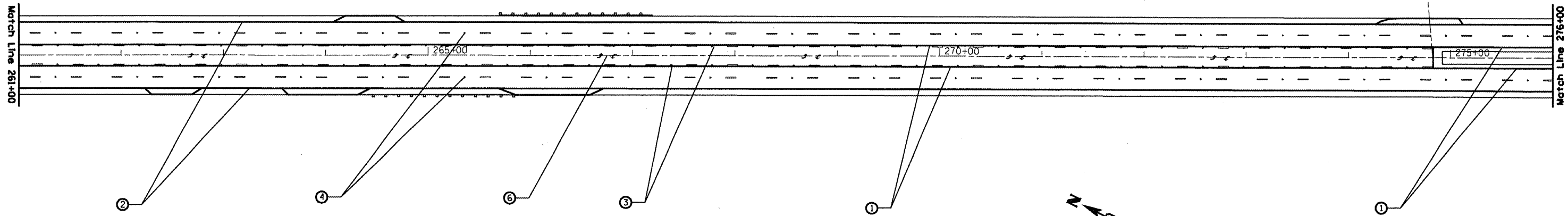
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

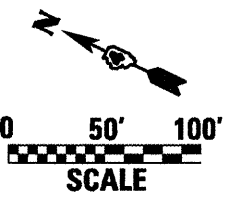
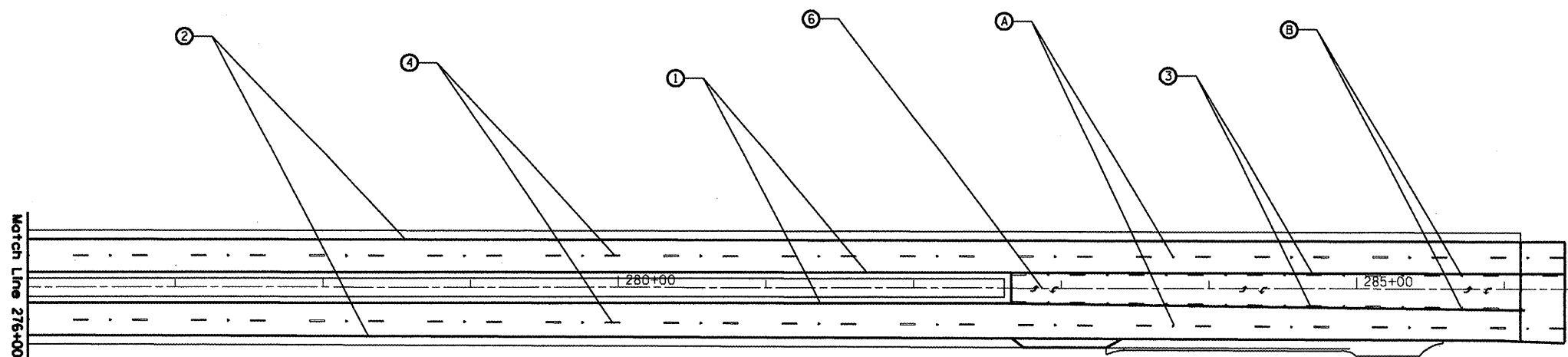
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

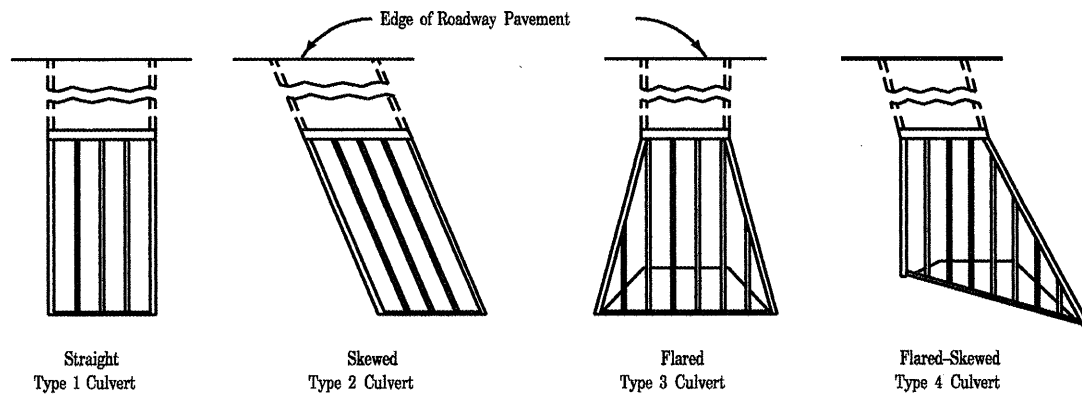


1. 4" Yellow Solid
2. 4" White Solid
3. 4" Yellow Skip Dash
4. 6" White Skip Dash
5. 8" White Solid
6. Letters & Arrows
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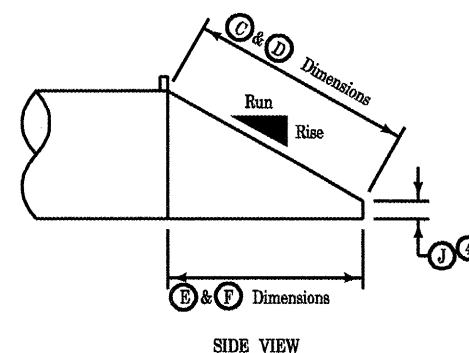
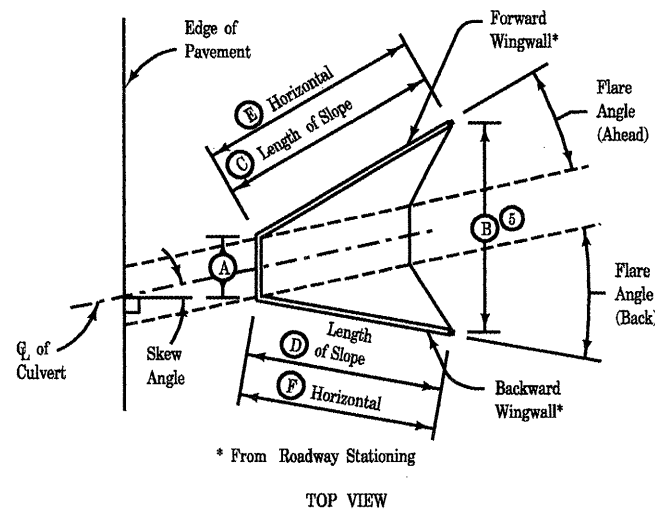
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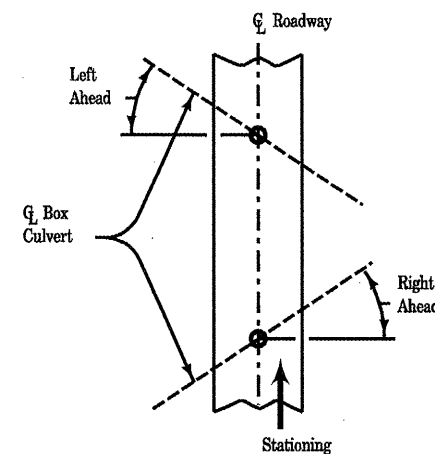


**INSTALLATION TYPES**

Grate bars to be perpendicular to direction of traffic flow.



**DETAILS OF DIMENSIONS**



**SKEW ANGLE DETERMINATION**

**GENERAL NOTES:**

The dimensions shown shall be verified at the site by the Contractor before fabrication of the components. The Contractor is responsible for using the correct pipe diameter, correct dimensions, and proper fit of the safety grate into the headwall opening.

Bolts, lock nuts, washers, and plates shall be installed at all locations as shown.

The bolts, nuts, and washers shall conform to the requirements of Articles 1006.09 and 1006.27(f) of the Standard Specifications. All fabrications shall be complete and ready for assembly prior to galvanizing.

Structural Steel Shapes and Plates shall be in accordance with Article 1006.04 Standard Specifications. Galvanized Steel Pipe shall be in accordance with Article 1006.27(b) of the Standard Specifications.

Gas Metal-Arc and Flux-Cored Arc welding may be used for welding incidental items as indicated on this sheet, provided that the fabricator furnishes certifications for the gas, uses approved filler metal and qualified welders.

Pipe furnished shall meet the requirements of ASTM A-53, Schedule 40, Grade B, including galvanizing.

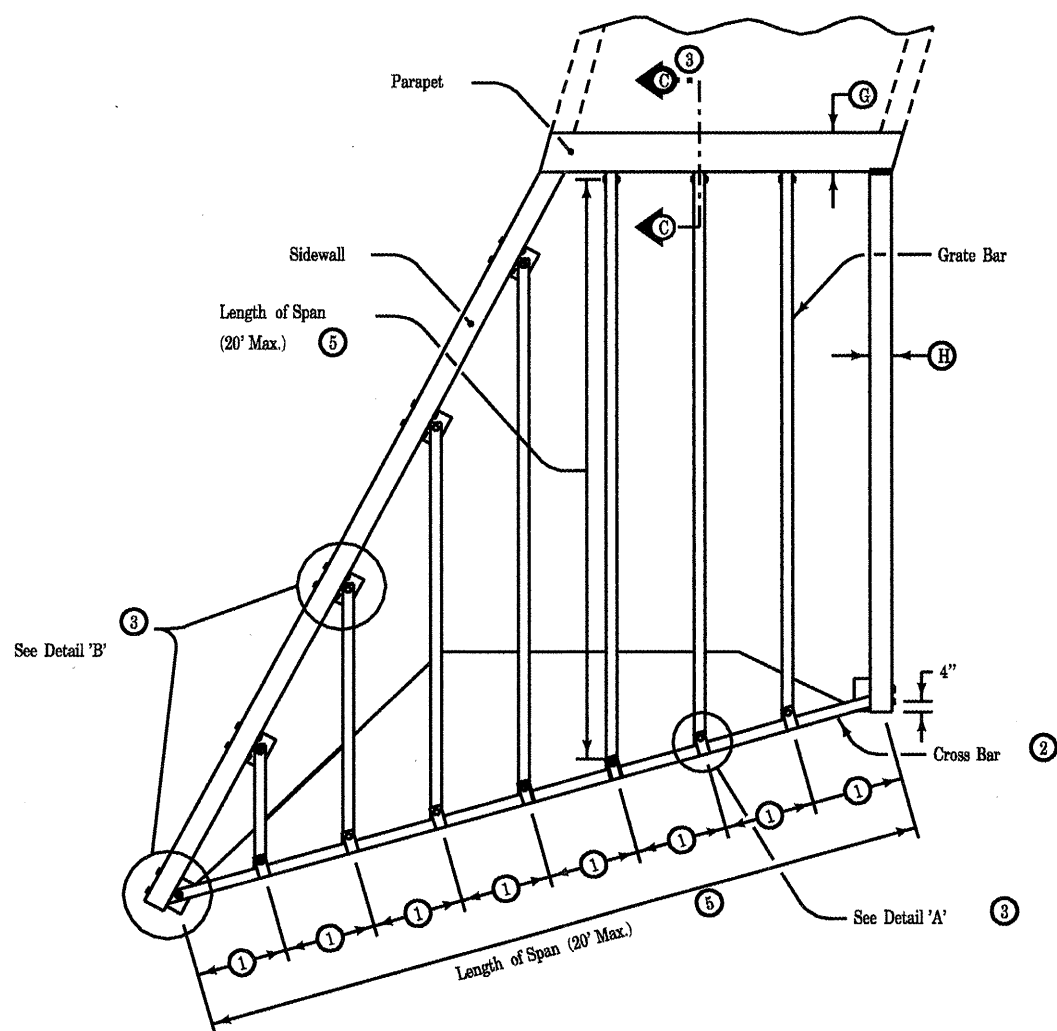
The Contractor may encounter reinforcing steel when drilling holes through the existing structure walls

Holes drilled in the Concrete End Section shall be cored to the diameter noted. If cone-out on the other end of the hole occurs, the hole shall be filled with grout to correct the diameter of the hole.

Price bid for GRATING FOR BOX CULVERT WITH WING WALLS shall be considered full compensation for furnishing all materials and work necessary to fabricate and install the grate system as required for each headwall opening.

Anchor bolts shall be installed in accordance with Article 509.06 of the Standard Specifications.

- ① Equal spaces 24" minimum, 30" maximum edge of sidewall to center of bracket or center to center of bracket.
- ② Cross Bar diameter equal to or greater than Grate Bar diameter.
- ③ See Detail Sheet 2.
- ④ 2' maximum.
- ⑤ If more than 20', a midspan support is required. See Detail Sheets 3 and 4.



**TYPICAL INSTALLATION PLAN**

GRATE & CROSS BAR SIZE REQUIREMENTS		
Length of Span	Nominal Pipe Size ②	O.D. Size
0'-12'	3.0"	3.5"
12'-16'	3.5"	4.0"
16'-20'	4.0"	4.5"

See Detail Sheets 3 & 4 when midspan support is required.

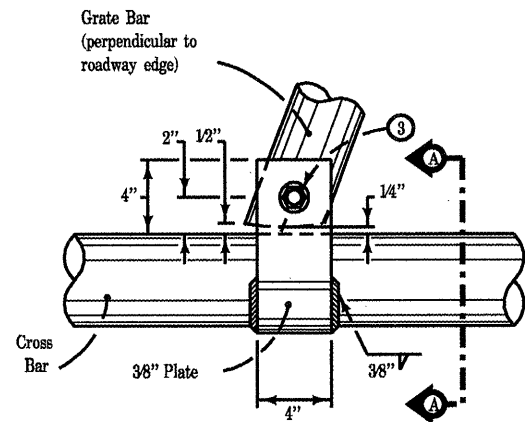
For additional information, see Detail Sheet 2 for Safety Grate Treatment and Fabrication.

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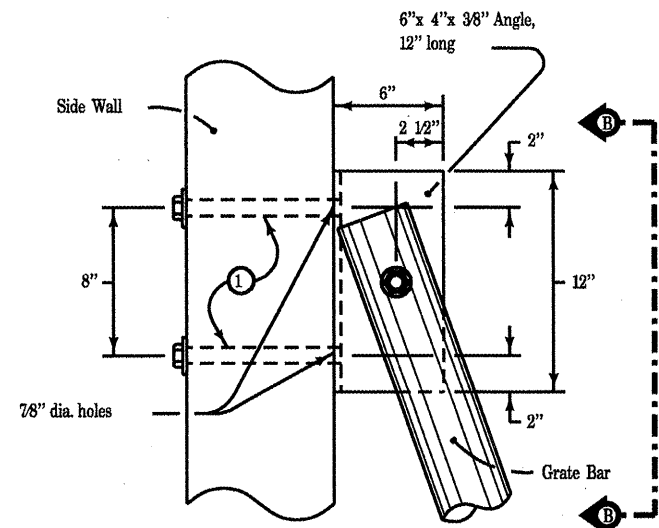
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>GRATING FOR BOX CULVERT WITH WING WALLS</b>				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

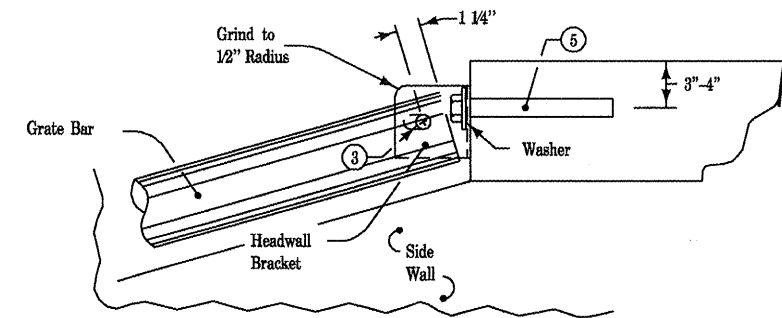
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CONTRACT NO. 88803				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



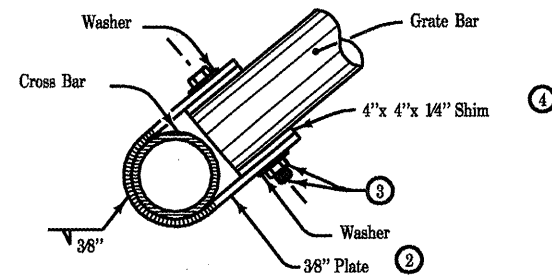
DETAIL 'A'  
TOP VIEW



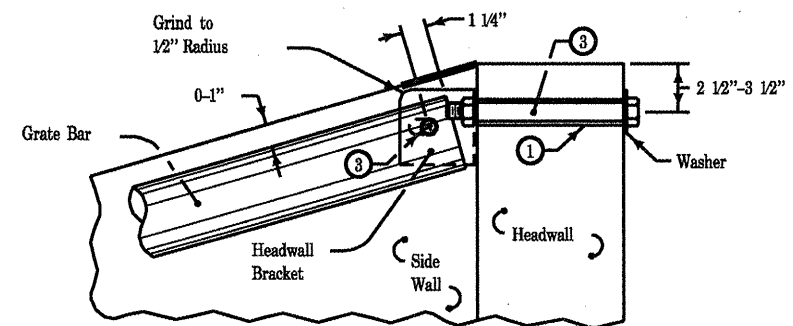
DETAIL 'B'  
TOP VIEW



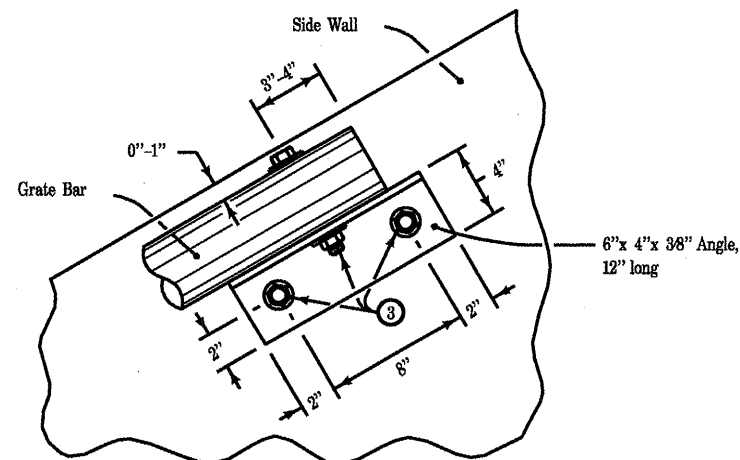
FOR PRECAST END SECTION  
SECTION C-C  
(From Detail Sheet 1 Typical Plan)



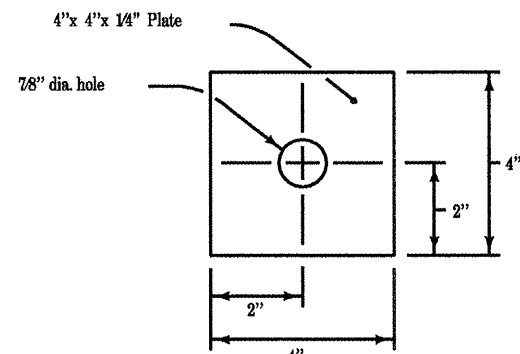
SECTION A-A



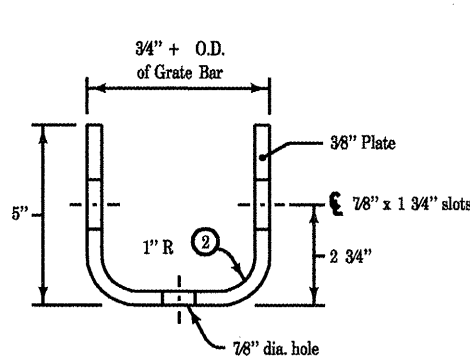
FOR CIP END SECTION  
SECTION C-C  
(From Detail Sheet 1 Typical Plan)



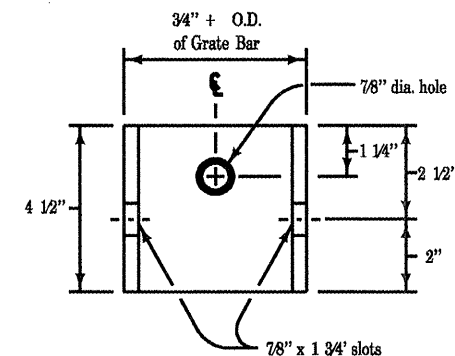
SECTION B-B



SHIM DETAIL



HEADWALL BRACKET  
TOP VIEW

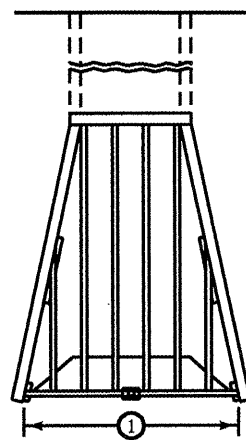


HEADWALL BRACKET  
FRONT VIEW

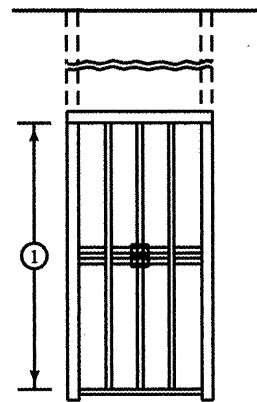
For additional information,  
see Detail Sheet 1  
Safety Grate Treatment.

- ① Holes are to be made with equipment designed to cut through concrete and reinforcing steel. All holes shall be 7/8 inch diameter.
- ② All bending of plates or strips shall be accomplished without cracking material.
- ③ 3/4 inch bolt, lock nut and washers. All holes shall be 7/8 inch diameter.
- ④ Shim thickness equal to difference in diameters of Grate Bar and Cross Bar.
- ⑤ 3/4 X 5 inch anchor bolt with lock washers.

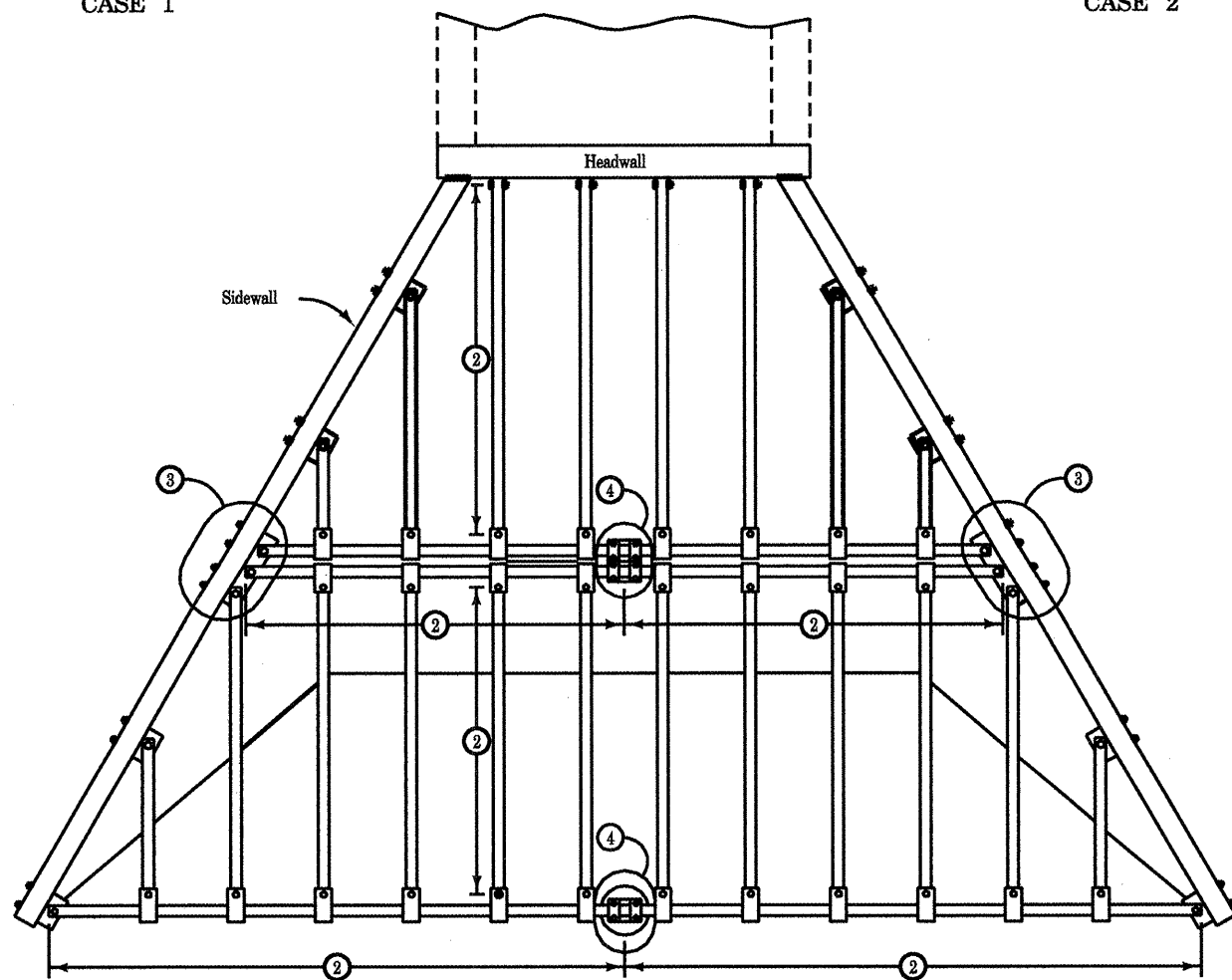
FILE NAME =	USER NAME = brucebm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GRATING FOR BOX CULVERT WITH WING WALLS</b>	FAP64	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Si:\GEN\DRAW\STD&PLNS\Squad\1 Safety	ate\grate std.dgn	DRAWN -	REVISED -			IL29	(10,12)RS-6(1)RS-4(1)OB)R	PEORIA	186	158	
PLOT SCALE = 2100.0000 / IN.		CHECKED -	REVISED -			<b>CONTRACT NO. 88803</b>					
PLOT DATE = 10/20/2008		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	



CASE 1



CASE 2



TYPICAL INSTALLATION PLAN  
WITH MIDSPAN SUPPORT

GENERAL NOTES:

This Detail Sheet illustrates fabrication and installation of various types of safety grate installations requiring a midspan support.

See Detail Sheet 1 for information concerning pipe sizes, skew angle determination, installation types, and general notes which apply to this sheet.

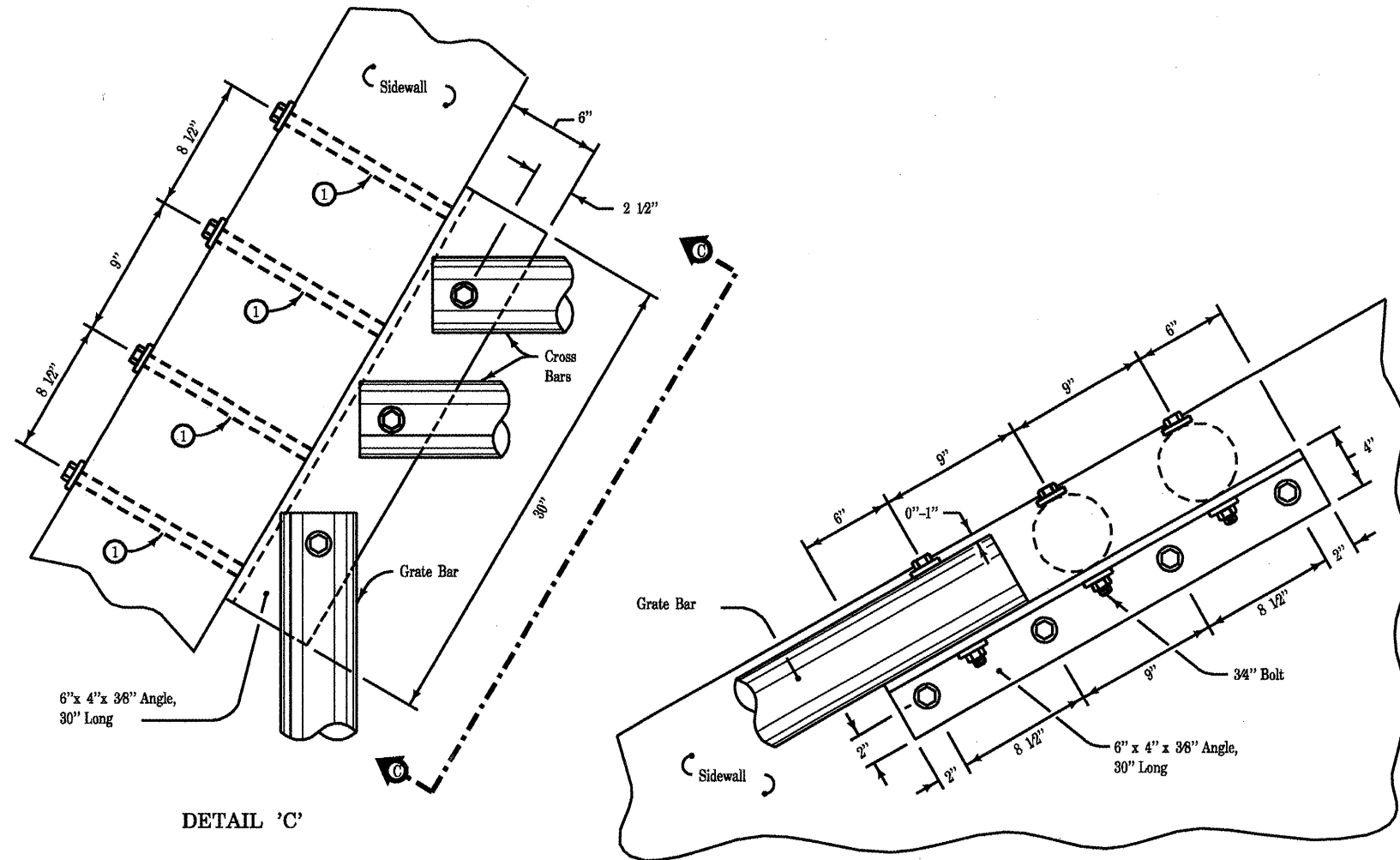
- ① Midspan support required when this dimension becomes more than 20 feet.
- ② Length of span (20 feet maximum).
- ③ See Detail 'C' on Detail Sheet 4.
- ④ See Detail 'D' on Detail Sheet 4.

FILE NAME =	USER NAME = brucebm	DESIGNED -	REVISED -
S:\GEN\DRAWING\STD&PLNS\Squad\1 Safety G	ete\grate std.dgn	DRAWN -	REVISED -
	PLOT SCALE = 2100.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 10/20/2008	DATE -	REVISED -

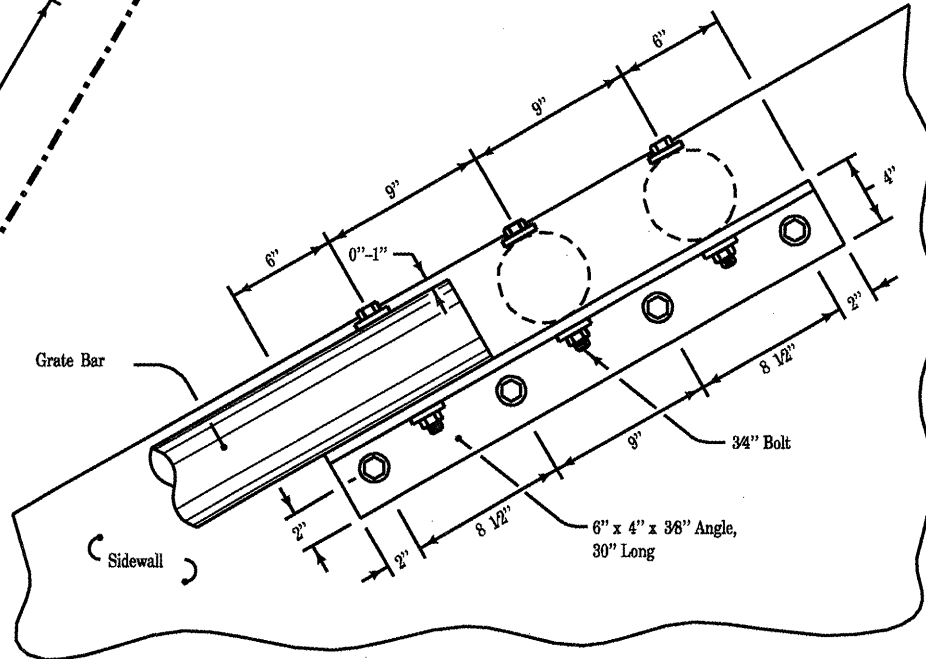
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>GRATING FOR BOX CULVERT WITH WING WALLS</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

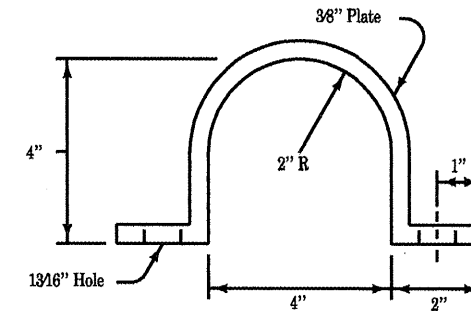
FAP64 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IL29	(10,12)RS-6+1RS-4+1OBIBR	PEORIA	186	159
CONTRACT NO. 88803			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT	



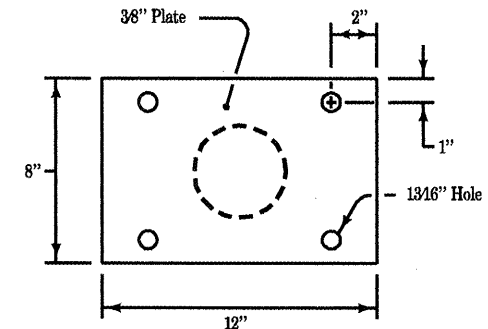
DETAIL 'C'



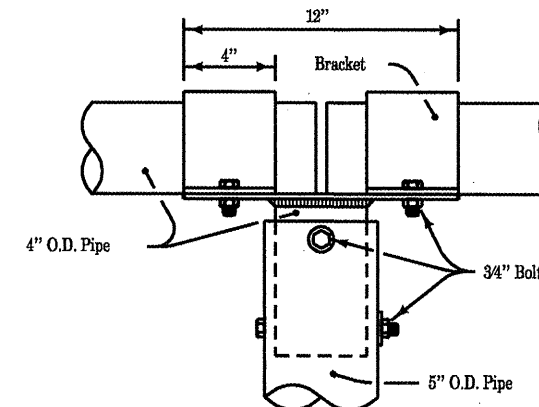
SECTION C-C



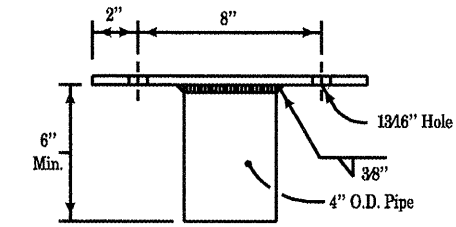
BRACKET END VIEW



TOP VIEW

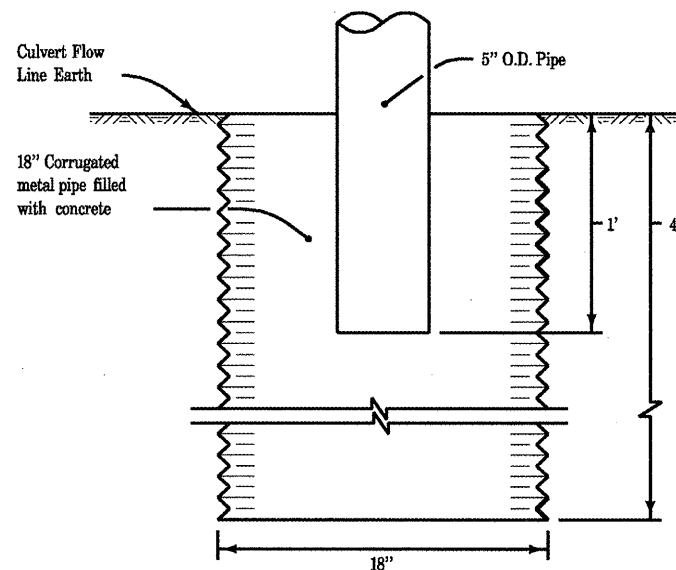


CROSS BAR SUPPORT ASSEMBLY SIDE VIEW

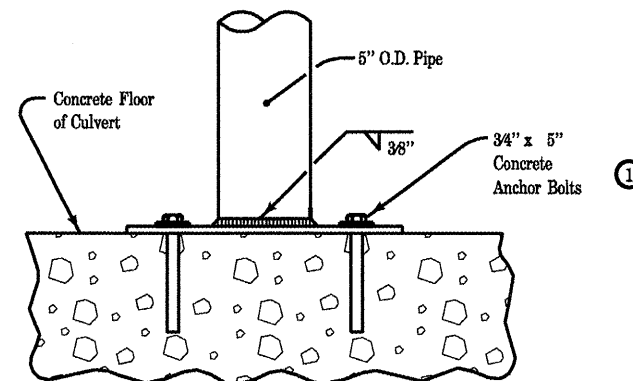


SIDE VIEW SUPPORT PLATE

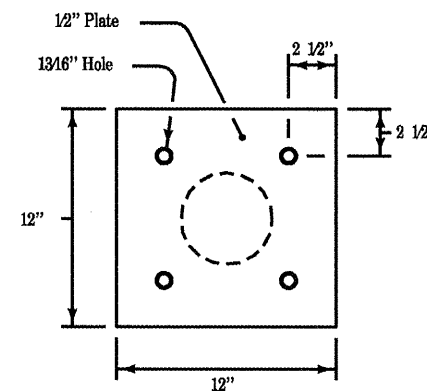
DETAIL 'D'



BOTTOM SUPPORT ON EARTH



BOTTOM SUPPORT ON CULVERT FLOOR

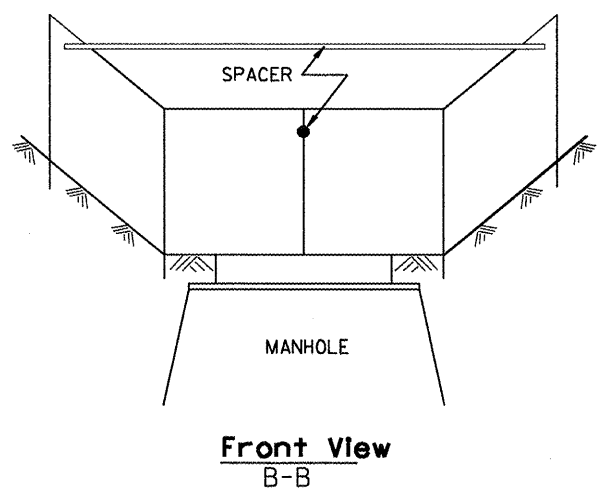
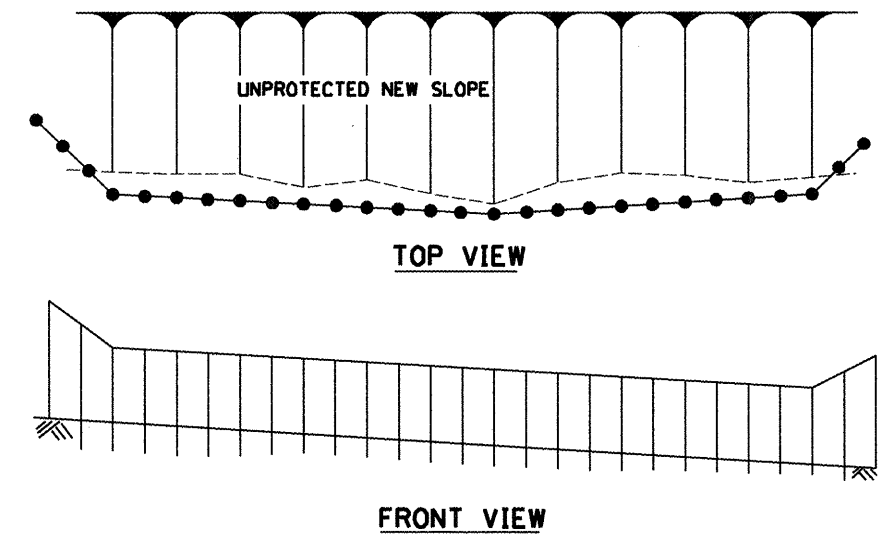
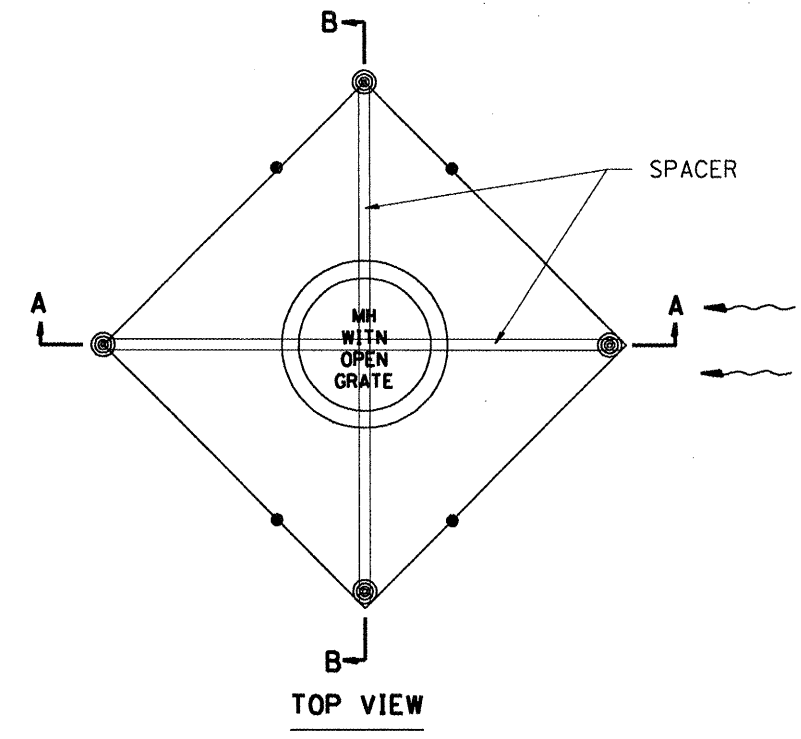
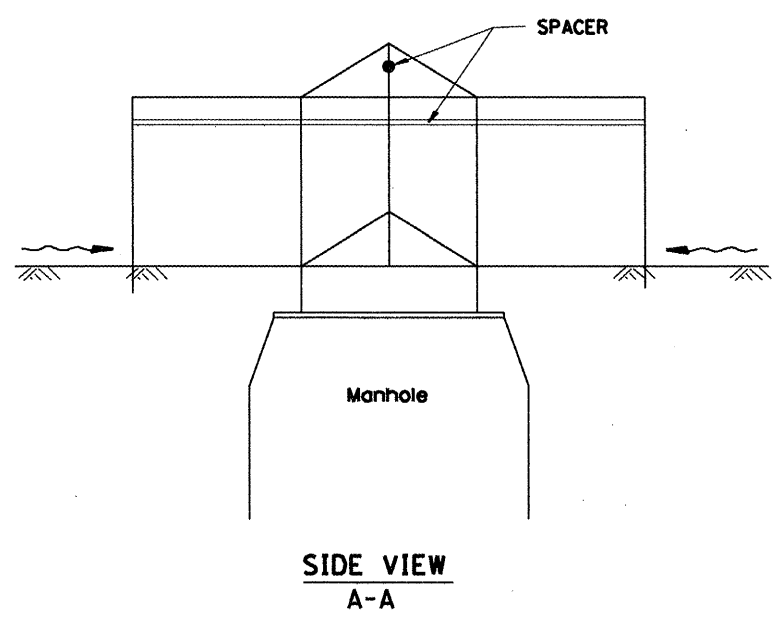
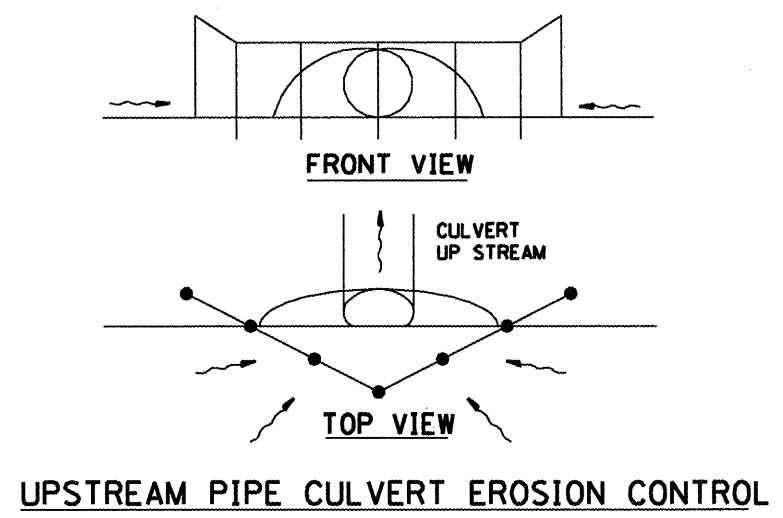


BOTTOM SUPPORT PLATE TOP VIEW

For additional information, see Detail Sheets 1, 2, and 3, Safety Grate Treatment and Fabrication.

① Anchor bolts shall be installed in accordance with Article 509.06 of the Standard Specifications.

FILE NAME =	USER NAME = brucebm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GRATING FOR BOX CULVERT WITH WING WALLS	FAP64 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\GEN\DRAW\STD&PLNS\Squad1\ Safety	ote\grate std.dgn	DRAWN -	REVISED -			IL29	(10,12)RS-6;11RS-4;10B)BR	PEORIA	186	160	
	PLOT SCALE = 2100.0000 ' / IN.	CHECKED -	REVISED -			CONTRACT NO. 88803					
	PLOT DATE = 10/20/2008	DATE -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.



**EROSION CONTROL AT OPEN GRATE MAN HOLE**

**GENERAL NOTES:**

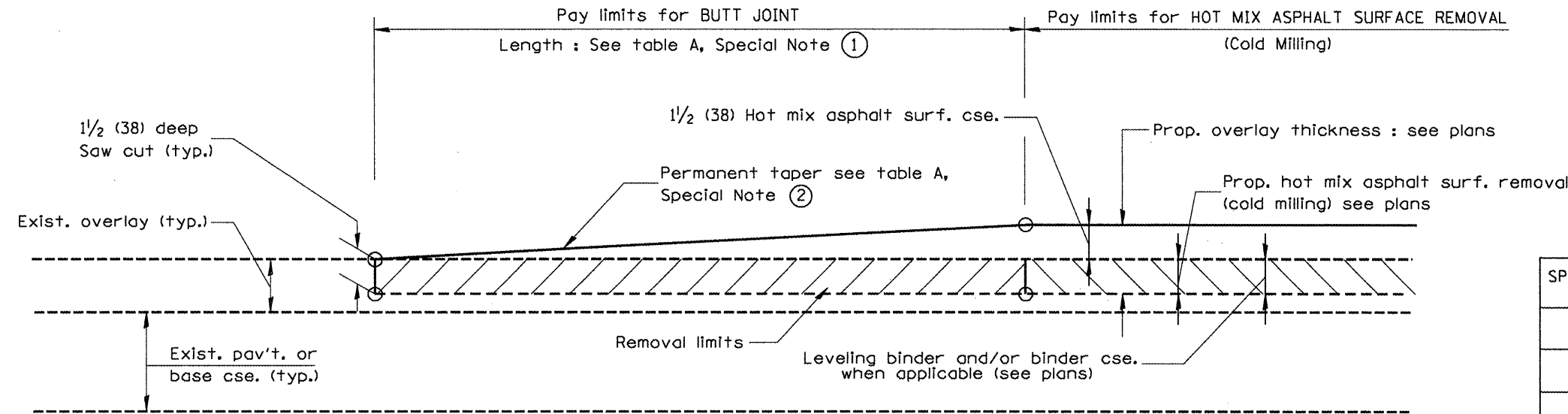
1. This work shall be performed in accordance with Sections 280 & 1081, of the Standard Specifications.
2. Additional Timber or Metal Post shall be installed, as needed.

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

DATE	REVISIONS	BY
1-1-97	RENUM. A-12.05, NEW REVISION BOX	T.P.
3-11-03	ELIMINATED SILT FENCE DITCH CHECK	M.M.A.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SPECIAL DETAIL SHEET**  
**TYPICAL APPLICATION OF SILT FILTER FENCE**  
 CADD DETAIL 280001-D4  
 SCALE: NOT DRAWN TO SCALE  
 DRAWN BY CADD  
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	*	PEORIA	186	162
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



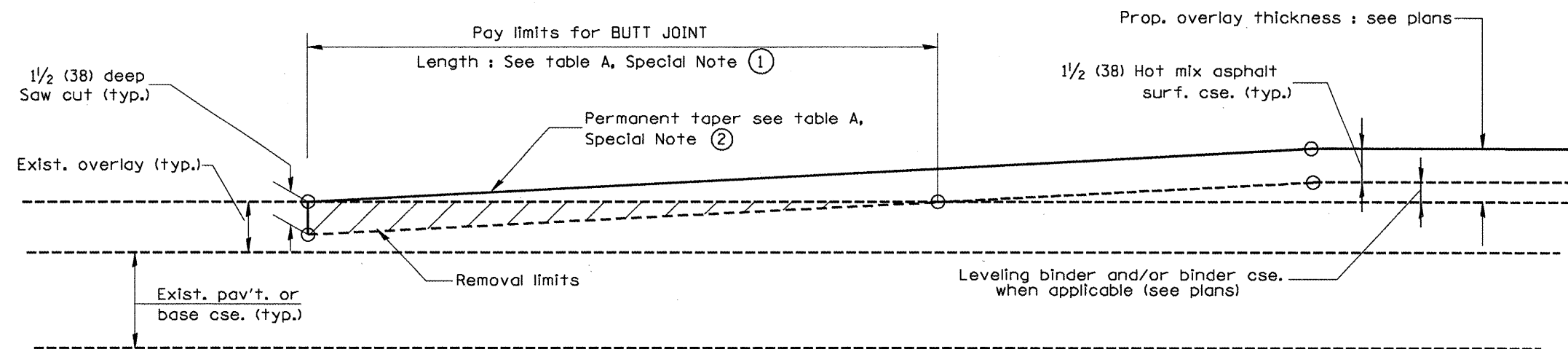
**CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)**

**TABLE A**  
(LENGTHS AND TAPER RATES)

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
①	LENGTH OF BUTT JOINT	60'(18.0 m)	30'(9.0 m)
②	PERMANENT TAPER RATE	1:480	1:240
③	TEMPORARY RAMP TAPER RATE	1:80	1:40
④	TEMPORARY RAMP LENGTH	10'(3.0 m)	5'(1.5 m)
⑤	LENGTH OF BUTT JOINT	10'(3.0 m)	10'(3.0 m)

**GENERAL NOTES**

- The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
- The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04 and the Special Provisions for Butt Joints.
- The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.



**CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)**

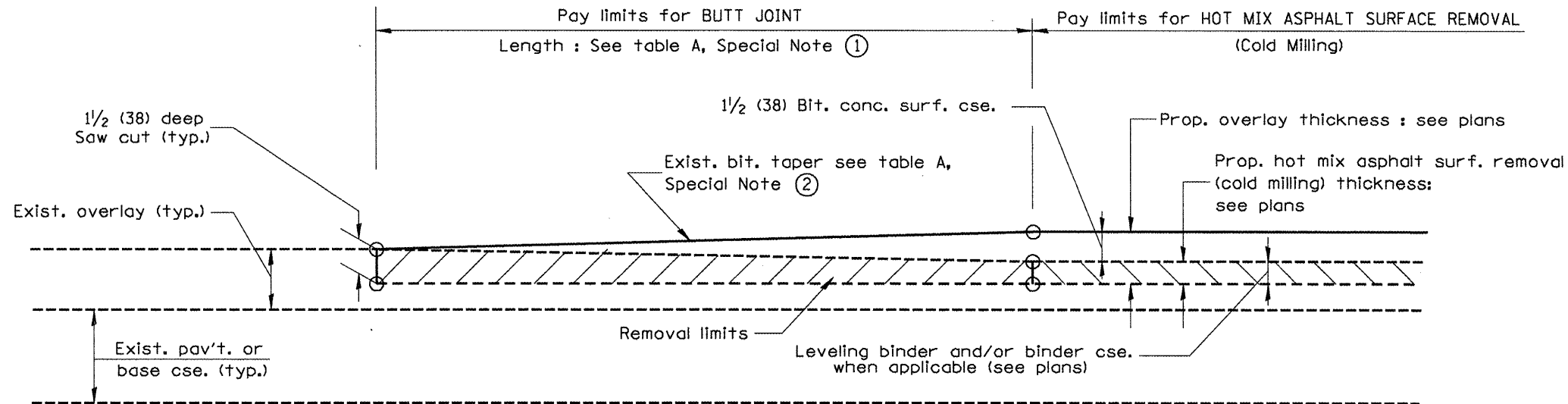
All dimensions are in inches (millimeters) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DISTRICT CADD STANDARD

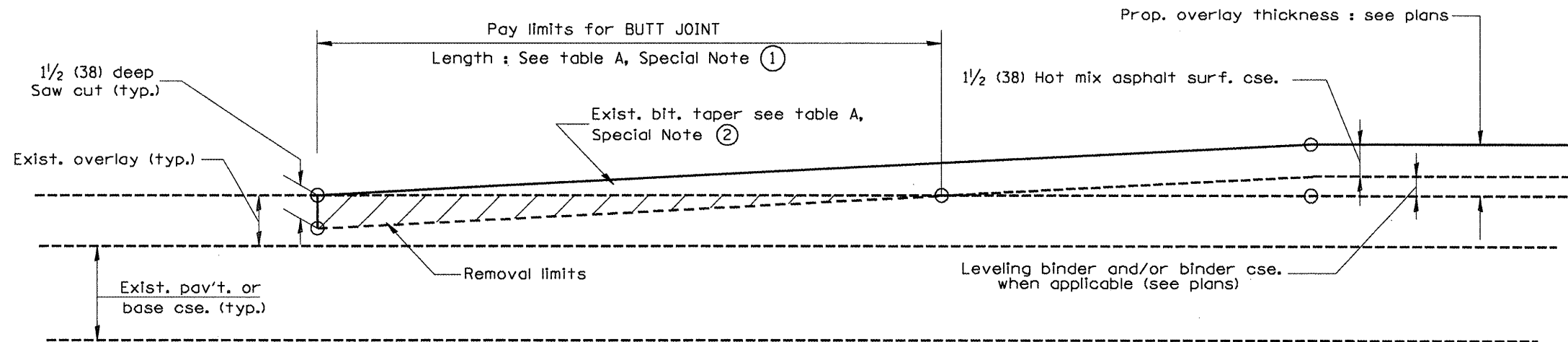
DATE	REVISIONS	BY
1-1-97	RENUM. C-23.01, NEW REVISION BOX	T.P.
4-1-97	CORRECTION TO DEPTH	J.A.
9-15-05	REVISED DESIGNER NOTE	M.M.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

**BUTT JOINTS**  
CADD STD NO. 406101-D4 SHEET 1 OF 3  
SCALE: NOT DRAWN TO SCALE  
DRAWN BY CADD  
CHECKED BY  
DATE

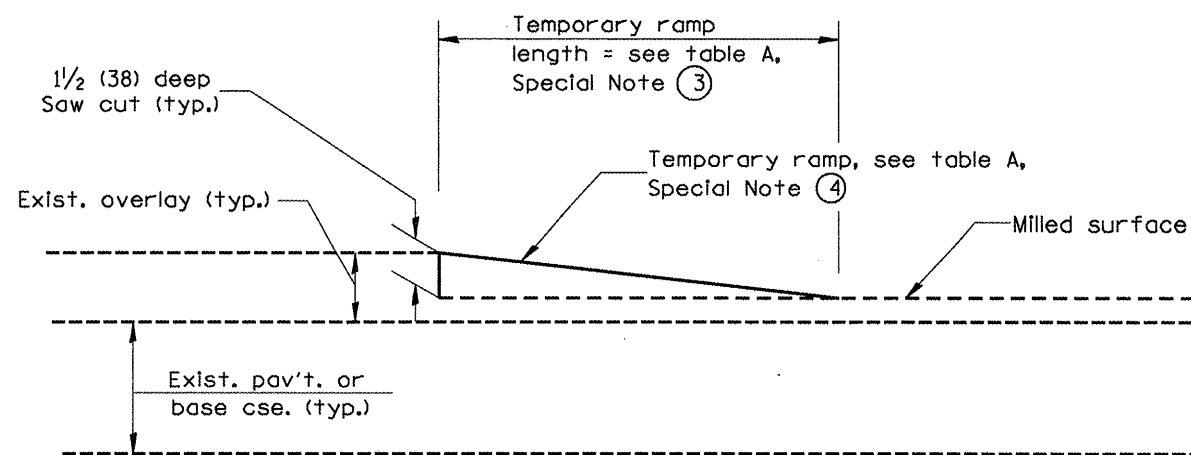
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	*	PEORIA	186	163
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



**CASE 3 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)  
TIE-IN TO EXISTING BITUMINOUS TAPER**



**CASE 4 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)  
TIE-IN TO EXISTING BITUMINOUS TAPER**



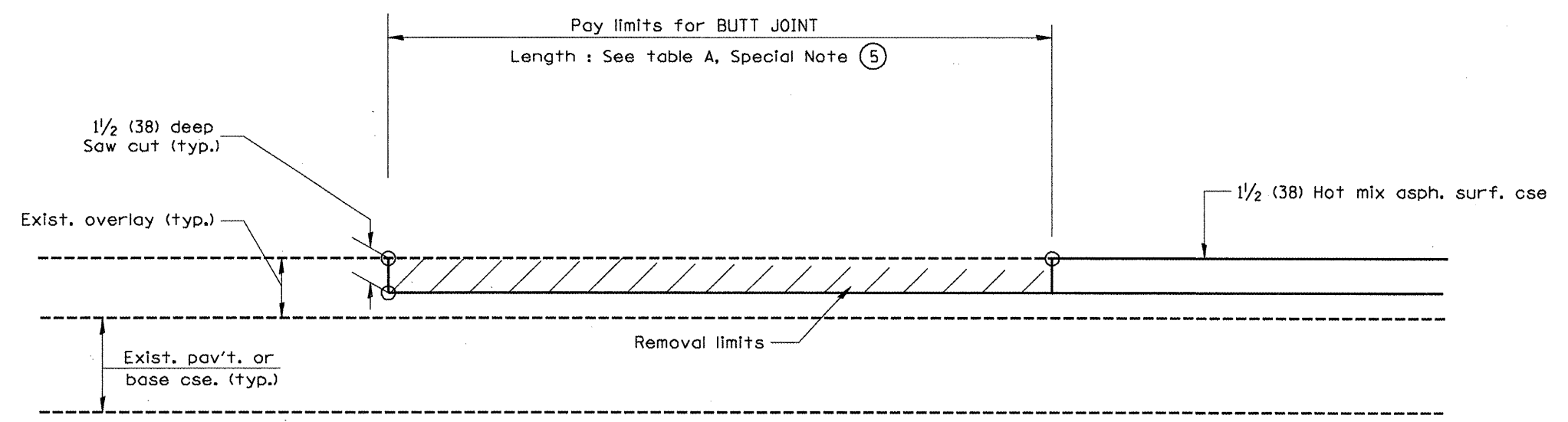
**DETAIL TEMPORARY RAMP**

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

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DISTRICT CADD STANDARD

BUTT JOINTS  
CADD STD NO. 406101-D4 SHEET 2 OF 3  
DRAWN BY CADD  
SCALE: NOT DRAWN TO SCALE  
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64		PEORIA	186	164
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



**CASE 5 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)  
TIE-IN TO EXISTING BITUMINOUS TAPER**

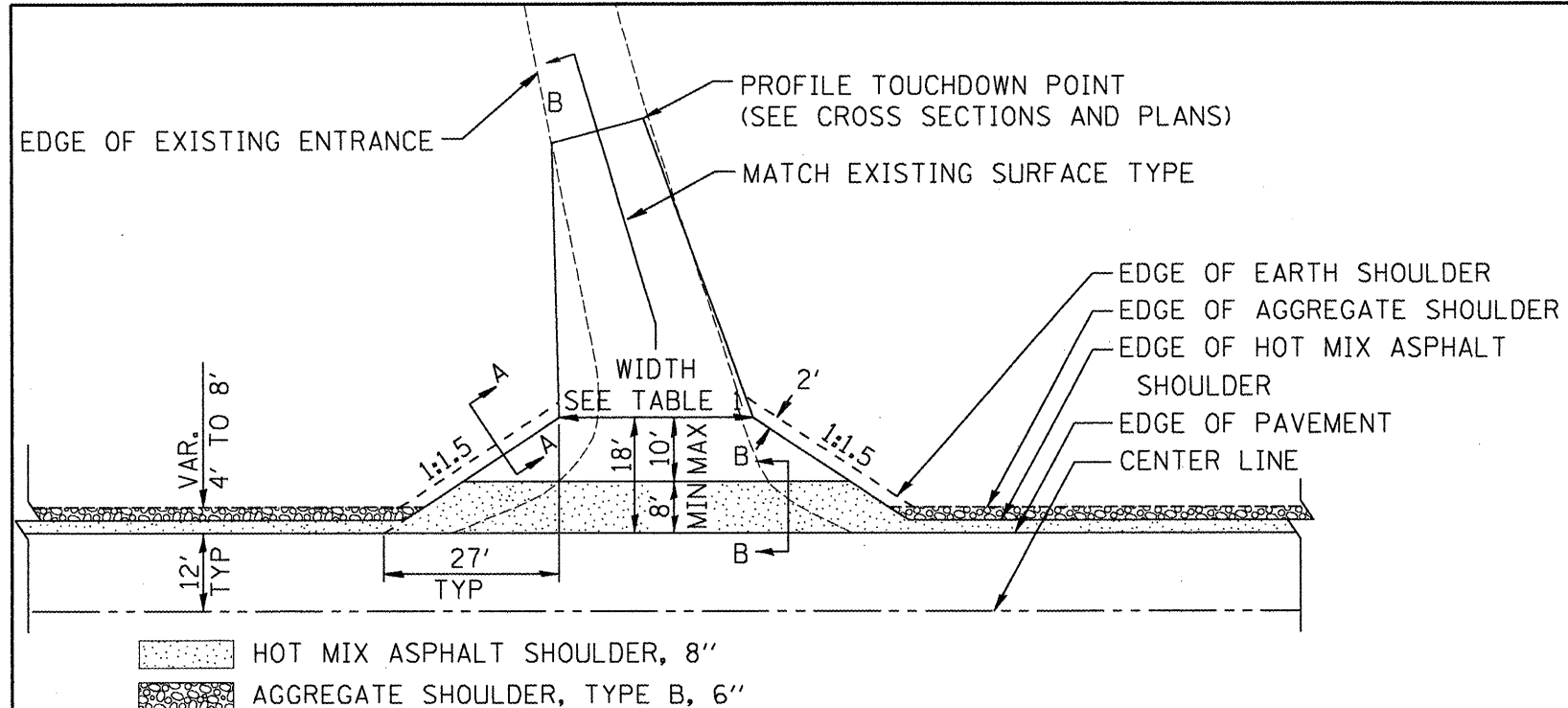
All dimensions are in inches (millimeters) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT CADD STANDARD	
BUTT JOINTS	
CADD STD NO. 406101-D4	SHEET 3 OF 3
SCALE: NOT DRAWN TO SCALE	DRAWN BY CADD
CHECKED BY	



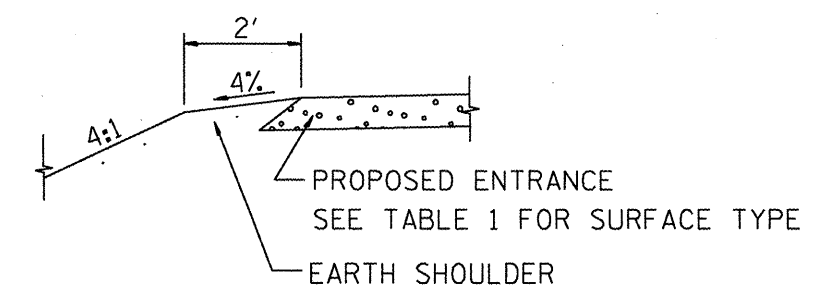
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	*	PEORIA	186	165
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

TABLE 1				
RURAL ENTRANCE DESIGN				
ELEMENT	NON-COMMERCIAL	NON-COMMERCIAL W/ LARGE FARM EQUIPMENT	COMMERCIAL	
			1-WAY OPERATION	2-WAY OPERATION
WIDTH (W)	12'(3.6m) Min., 24'(7.2m) Max.	20' (6.1m)Max., 30' (9.0m)Max.	14'(4.3m) Min., 24'(7.2m) Max.	24'(7.2m) Min., 35'(10.7m) Max.
FLARE	1:1.5			
MAX. GRADE (G)	12%	12%	10%	
SURFACE TYPE				
INCIDENTAL HOT MIX ASPHALT SURFACING	6"	—	8"	
AGGREGATE SURFACE COURSE	6"	8"	8"	
PCC DRIVEWAY PAVEMENT	6"	—	7"	



HOT MIX ASPHALT SHOULDER, 8"  
 AGGREGATE SHOULDER, TYPE B, 6"

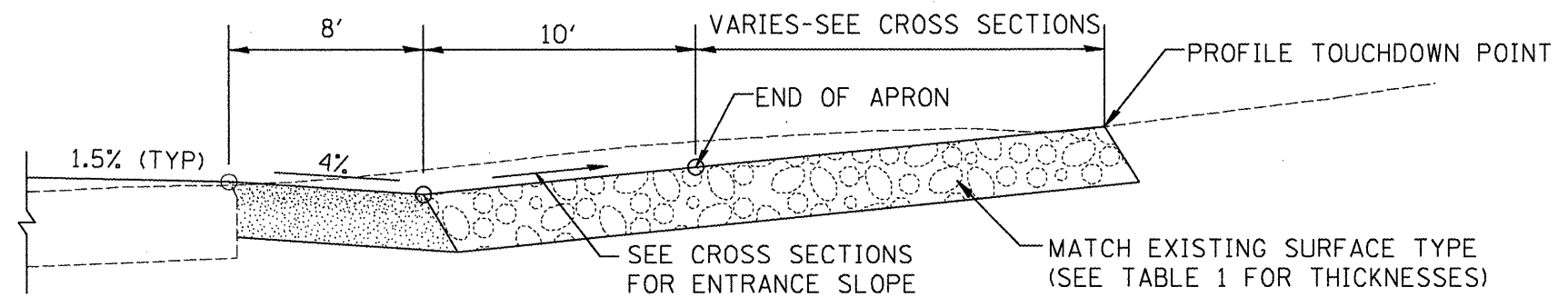
**PLAN**  
COMMERCIAL / FARM-RELATED ENTRANCE



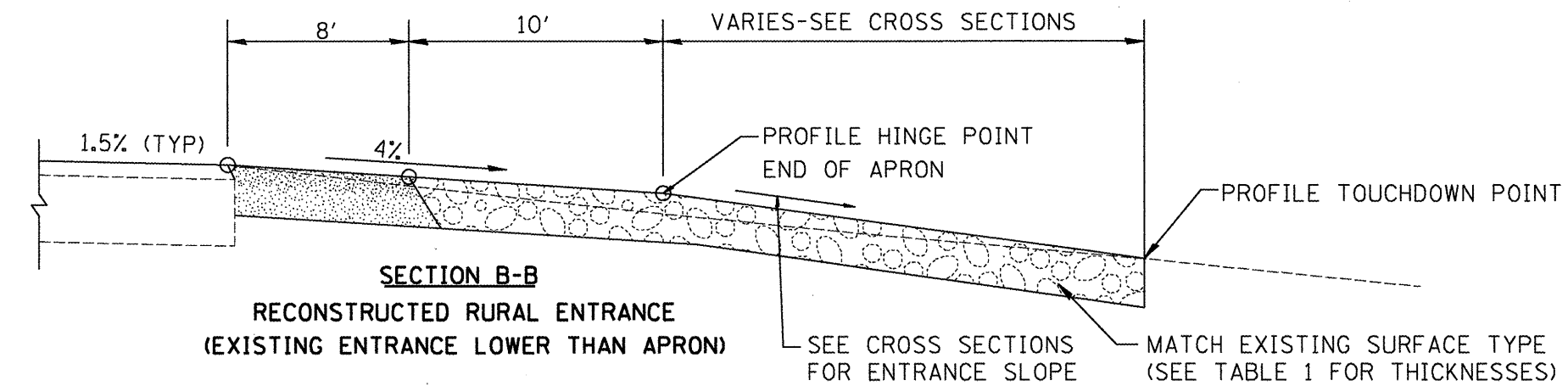
**SECTION A-A**  
SHOULDER TREATMENT FOR RURAL ENTRANCES

**GENERAL NOTES**

- ENTRANCES SHALL SLOPE AWAY FROM THE PAVEMENT AT A RATE EQUAL TO THE SHOULDER SLOPE FOR A MINIMUM DISTANCE OF 8'.
- A MINIMUM 8' PAVED SHOULDER SHALL BE CONSTRUCTED BETWEEN LOCATIONS WHERE THE RURAL ENTRANCE IS LESS THAN 50' FROM AN ADJACENT SIDEROAD, ENTRANCE OR MAILBOX TURNOUT.
- A TAPER RATE OF 5:1 IS DESIRABLE WHEN TRANSITING FROM THE RURAL ENTRANCE WIDTH SHOWN IN TABLE 1, TO THE EXISTING ENTRANCE WIDTH.



**SECTION B-B**  
RECONSTRUCTED RURAL ENTRANCE  
(EXISTING ENTRANCE HIGHER THAN APRON)

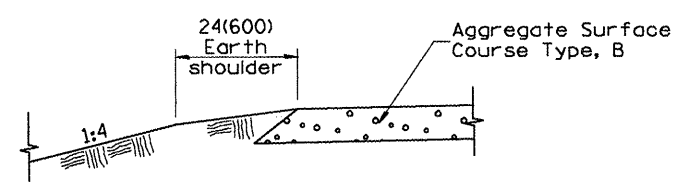


**SECTION B-B**  
RECONSTRUCTED RURAL ENTRANCE  
(EXISTING ENTRANCE LOWER THAN APRON)

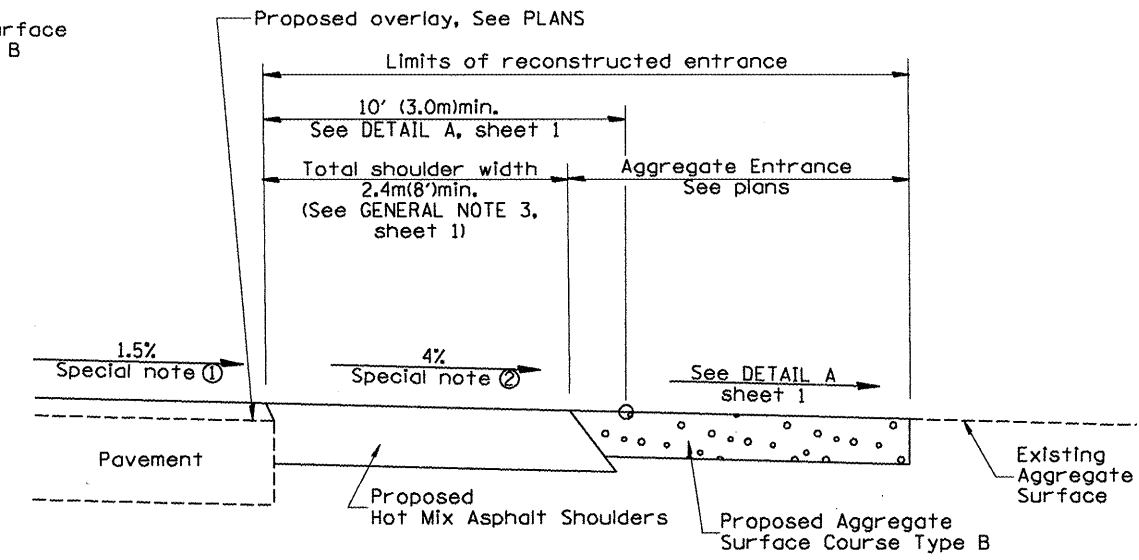
DATE	REVISIONS	BY
1-1-97	RENJIM. C-103.06, NEW REVISION BOX	T.P.
7-1-97	REVISE DESIGNER NOTES	J.A.
1-17-03	ADJUST DESIGN, CHANGE ENTRANCE	J.A.T.R.
9-15-05	RADIUS FOR FLARE	M.M.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DISTRICT CADD STANDARD**  
 RURAL ENTRANCES FOR  
 "3R" PROJECTS  
 SHEET 1 OF 2  
 CADD STD NO. 406301-D4  
 SCALE: NOT DRAWN TO SCALE  
 DRAWN BY CADD  
 DATE  
 CHECKED BY: T. PICKERING

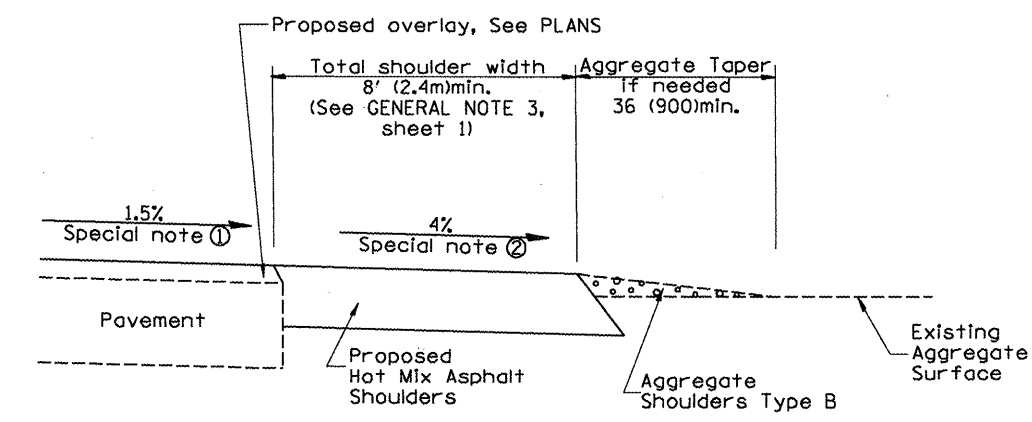
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	*	PEORIA	186	166
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



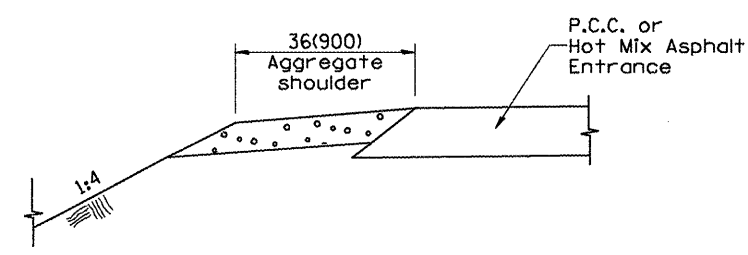
**SECTION A-A**  
SHOULDER TREATMENT FOR AGGREGATE ENTRANCES



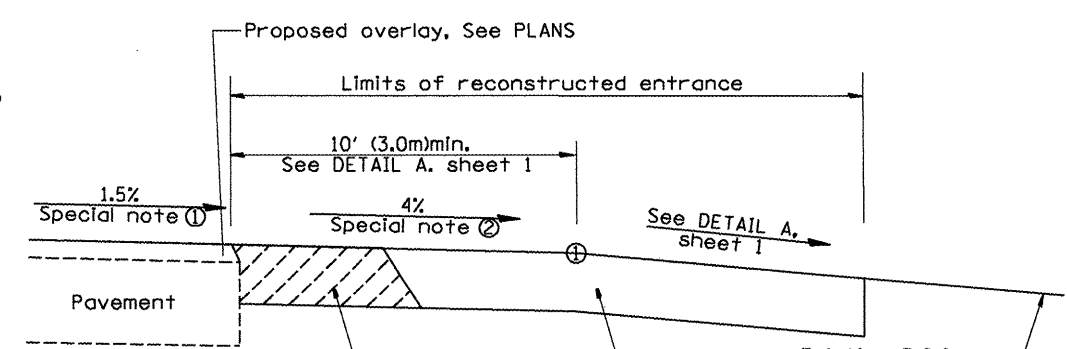
**SECTION B-B**  
RECONSTRUCTED AGGREGATE ENTRANCE



**SECTION B-B**  
EXISTING AGGREGATE ENTRANCE

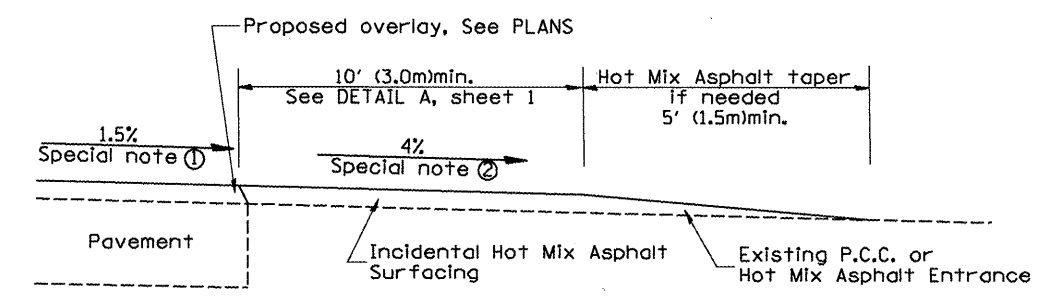


**SECTION C-C**  
SHOULDER TREATMENT FOR P.C.C. OR HOT MIX ASPHALT ENTRANCES

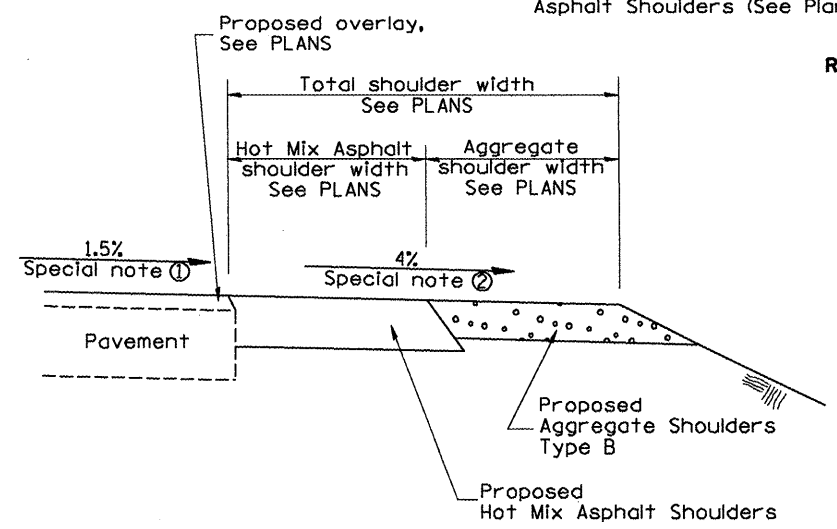


Hot Mix Asphalt Entrance - Construct this portion of entrance as Hot Mix Asphalt Shoulders (See Plan)

**SECTION D-D**  
RECONSTRUCTED P.C.C. OR HOT MIX ASPHALT ENTRANCE



**SECTION D-D**  
EXISTING P.C.C. OR HOT MIX ASPHALT ENTRANCE



**SECTION E-E**  
MAINLINE SHOULDER TREATMENT

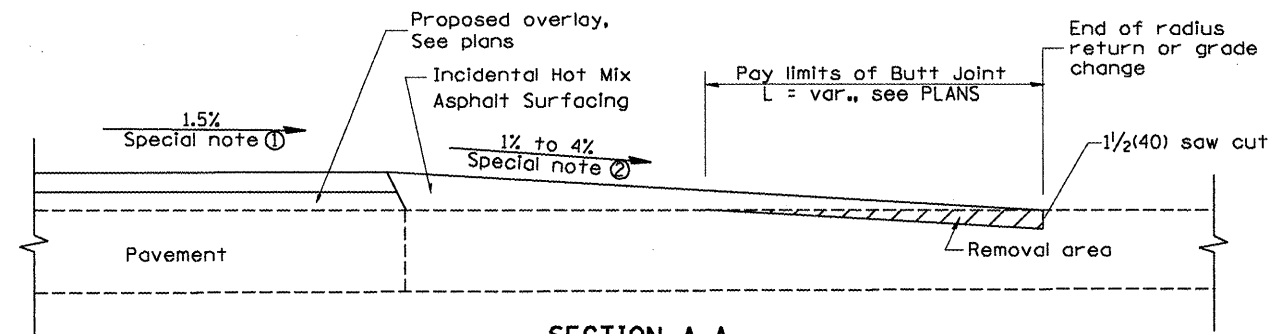
**SPECIAL NOTES**

- ① The mainline pavement cross-slope is 1.5% for tangent alignment. See PLANS for cross-slope on superelevated horizontal curves.
- ② The shoulder slope shall control the entrance profile for a distance of 10' (3.0m) minimum from the pavement edge. The shoulder cross-slope is 4% for tangent alignment. Through superelevated curves, the maximum pavement-shoulder breakover should not be greater than 10% for shoulders 6' (1.8m) and wider and 12% for shoulders 4' (1.2m) and less. Where 12' (366cm) paved shoulders are provided, the breakover should be at the edge of the paved shoulder rather than at the pavement edge.

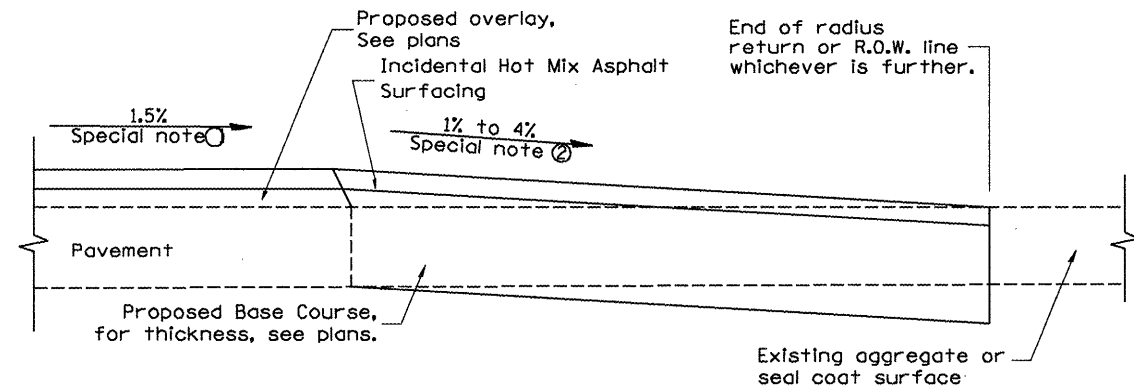
All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H). All dimensions are in inches (millimeters) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DISTRICT CADD STANDARD**  
**RURAL ENTRANCES FOR "3R" PROJECTS**  
 SHEET 2 OF 2  
 CADD STD NO. 406301-D4  
 SCALE: NOT DRAWN TO SCALE  
 DRAWN BY: CADD  
 CHECKED BY: T. PICKERING

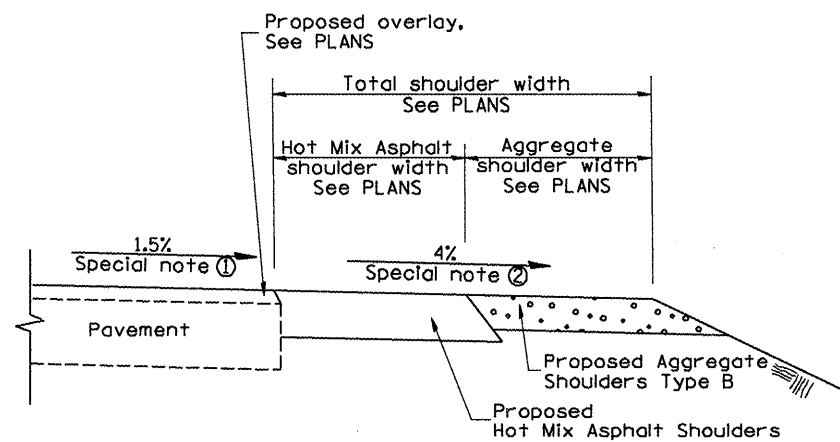
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64		PEORIA	186	167
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



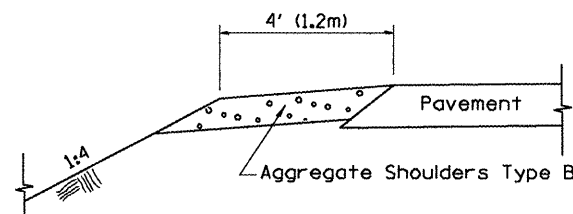
**SECTION A-A**  
**EXISTING PCC OR HOT MIX ASPHALT SIDEROAD**



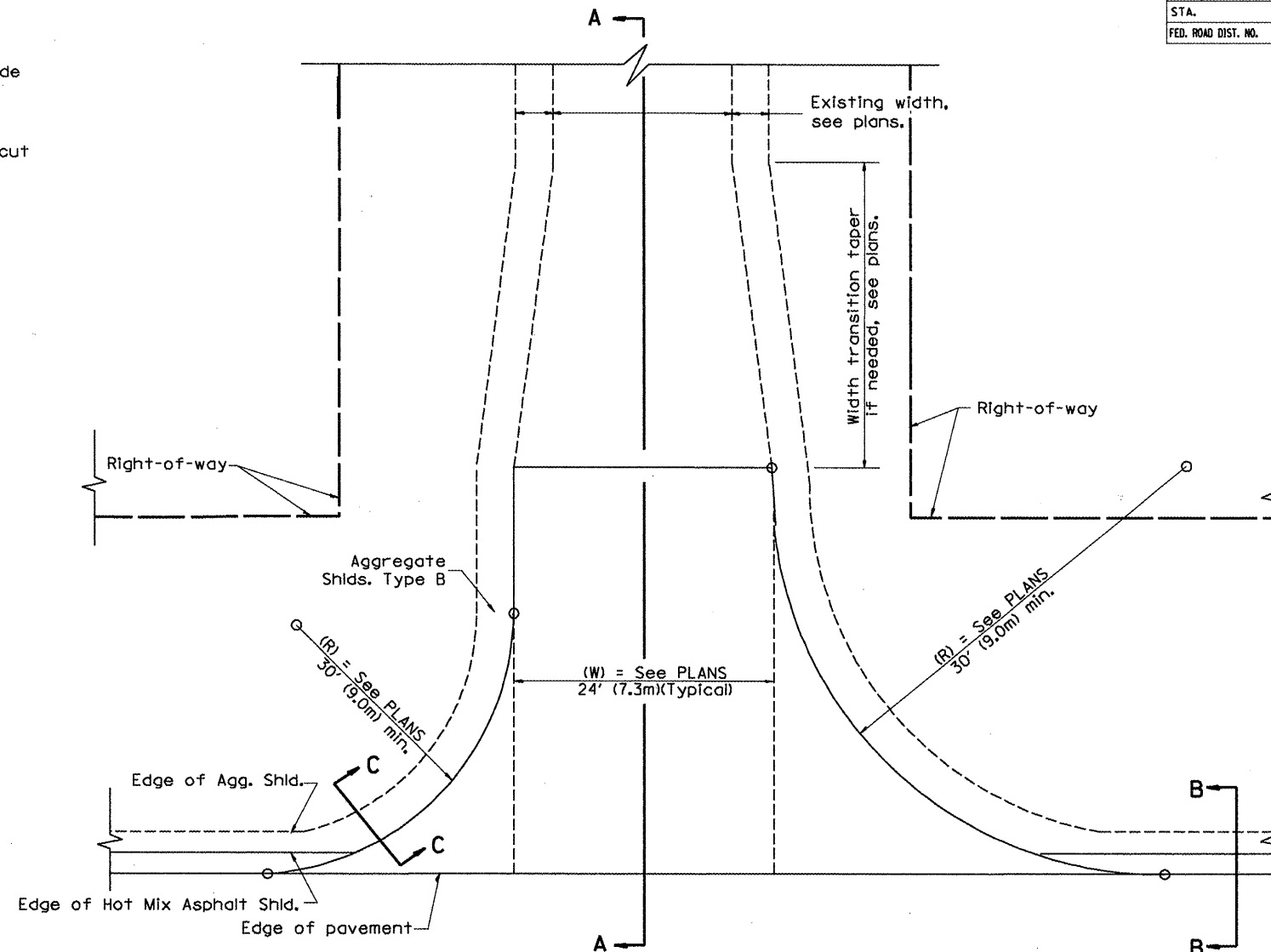
**SECTION A-A**  
**EXISTING AGGREGATE OR SEAL COAT SIDEROAD**



**SECTION B-B**  
**MAINLINE SHOULDER TREATMENT**



**SECTION C-C**  
**SIDEROAD SHOULDER TREATMENT**



**PLAN**

**SPECIAL NOTES**

- ① The mainline pavement cross-slope is 1.5% for tangent alignment. See Plans for cross-slope on super-elevated horizontal curves.
- ② The sideroad profile should drain away from the mainline at 1% to 4% for 50' (15.0m) to 100' (30.0m), or as a minimum to the end of the radius return. When the sideroad is on the high side of a mainline super-elevated curve, - 2% maximum should be provided in order to minimize breakover at the pavement edge. See plans for sideroad profiles.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DISTRICT CADD STANDARD**

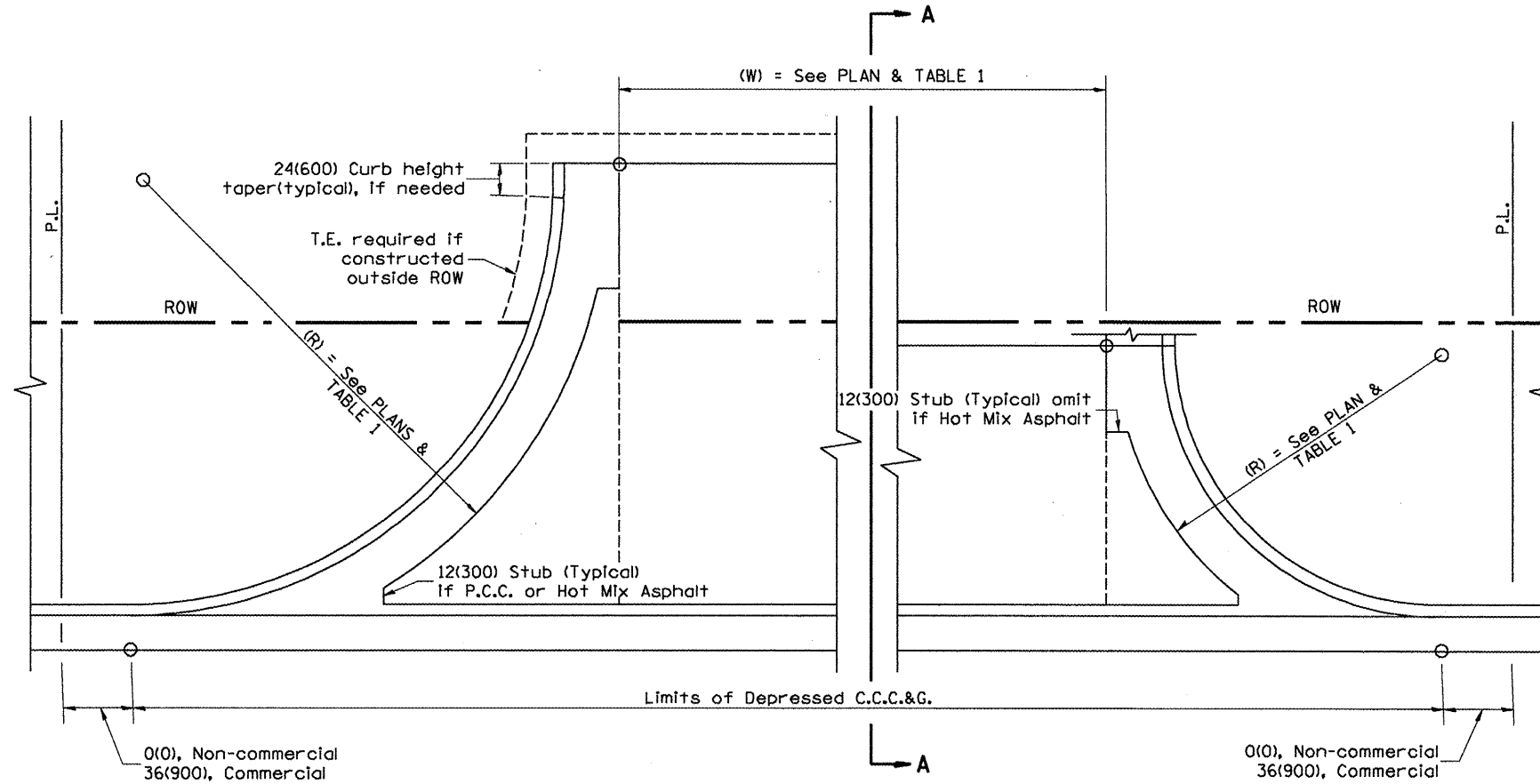
**RURAL SIDEROADS FOR "3R" PROJECTS**

**CADD STD NO. 406401-D4**

SCALE: NOT DRAWN TO SCALE  
DRAWN BY CADD  
CHECKED BY: T. PICKERING

DATE	REVISIONS	BY
1-1-97	RENUM. C-105.02, NEW REVISION BOX	T.P.
7-1-97	REVISE DESIGNER NOTES	J.A.
9-15-05	REVISED DESIGNER NOTE	M.M.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	*	PEORIA	186	168
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



**GENERAL NOTES**

1. C.C.C.&G. will be measured for pavement as specified in Article 606.13 of the Standard Specifications.
2. C.C.C.&G. Construction Joints will be as shown on Standard 606001.

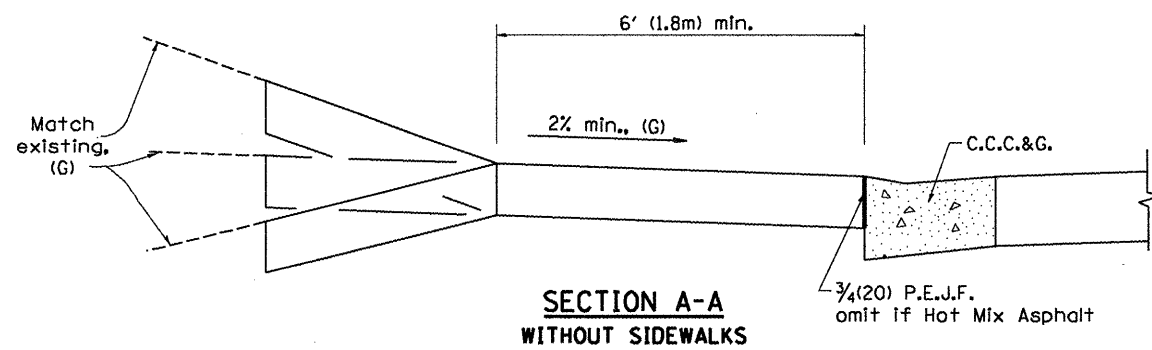
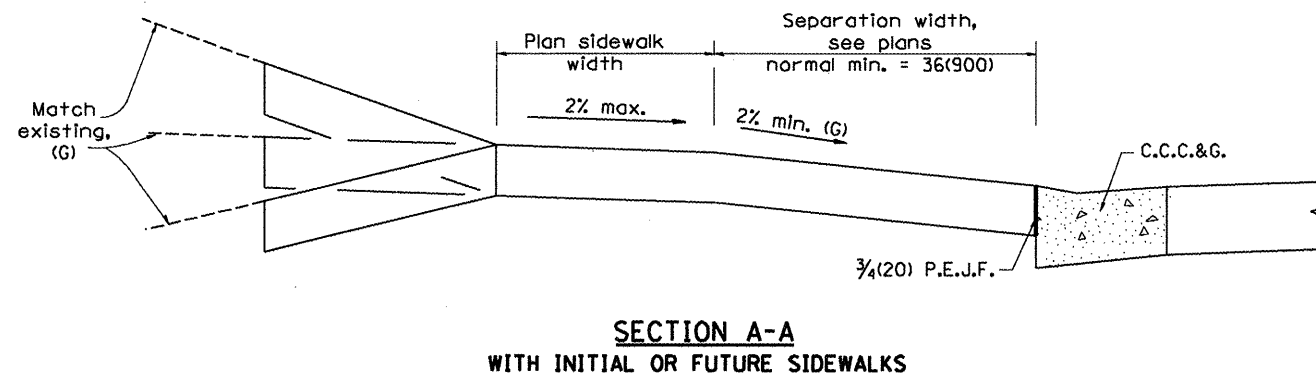


TABLE 1				
URBAN ENTRANCE DESIGN CONTROLS				
ELEMENT	NON-COMMERCIAL		COMMERCIAL	
			1-WAY OPERATION	2-WAY OPERATION
WIDTH (W)	12' (3.6 m) MIN.	24' (7.2 m) MAX.	14' (4.3 m) MIN., 24' (7.2 m) MAX.	24' (7.2 m) MIN., 35' (10.7 m) MAX.
RADIUS EQUIVALENT 1:1 FLARE (F)	5' (1.5 m) MIN.	25' (7.6 m) MAX.	15' (4.6 m) MIN., 40' (12.0 m) MAX.	15' (4.6 m) MIN., 40' (12.0 m) MAX.
MAX. GRADE (G)	8%		6%	

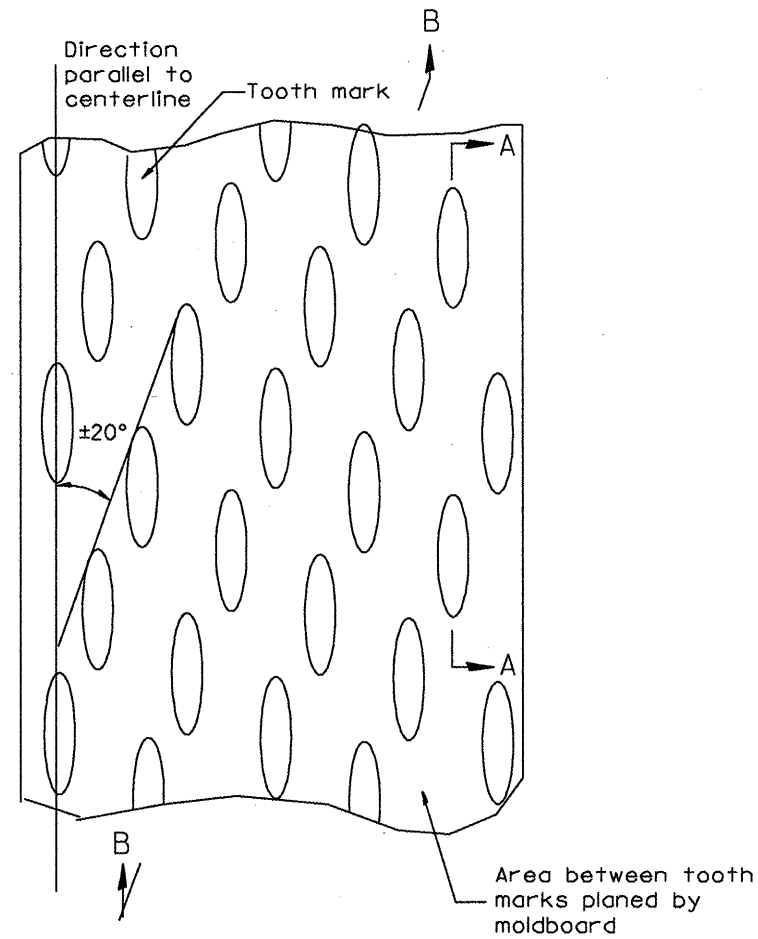


All dimensions are in inches (millimeters) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT CADD STANDARD	
SUBURBAN ENTRANCES WITH CURBED RADII	
CADD STD NO. 423001-D4	
SCALE: NOT DRAWN TO SCALE	DRAWN BY CADD
DATE	CHECKED BY

DATE	REVISIONS	BY
1-1-97	RENUM. C-103.05, NEW REVISION BOX, REVISED GENERAL NOTES	T.P.
9-15-05	REVISED DESIGNER NOTE	M.M.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

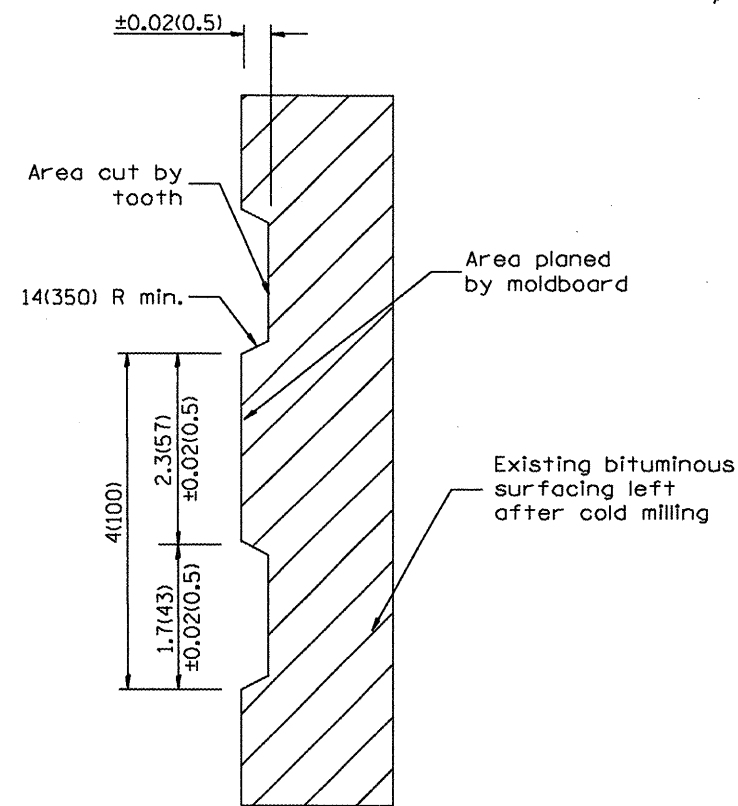
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	*	PEORIA	186	169
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



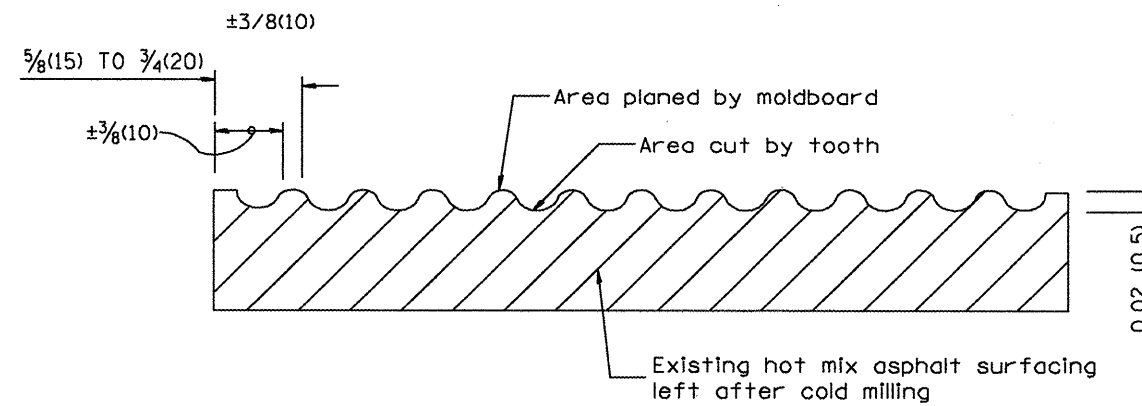
PLAN

General notes:

1. Coldmilling shall consist of two processes: Cutting with carbide teeth mounted on a rotating drum, and planing with a moldboard mounted immediately behind the cutting drum.
2. Other similar patterns will be acceptable if they consist of a smooth, flat, planed surface interspersed with a pattern of discontinuous longitudinal striations.



SECTION A-A

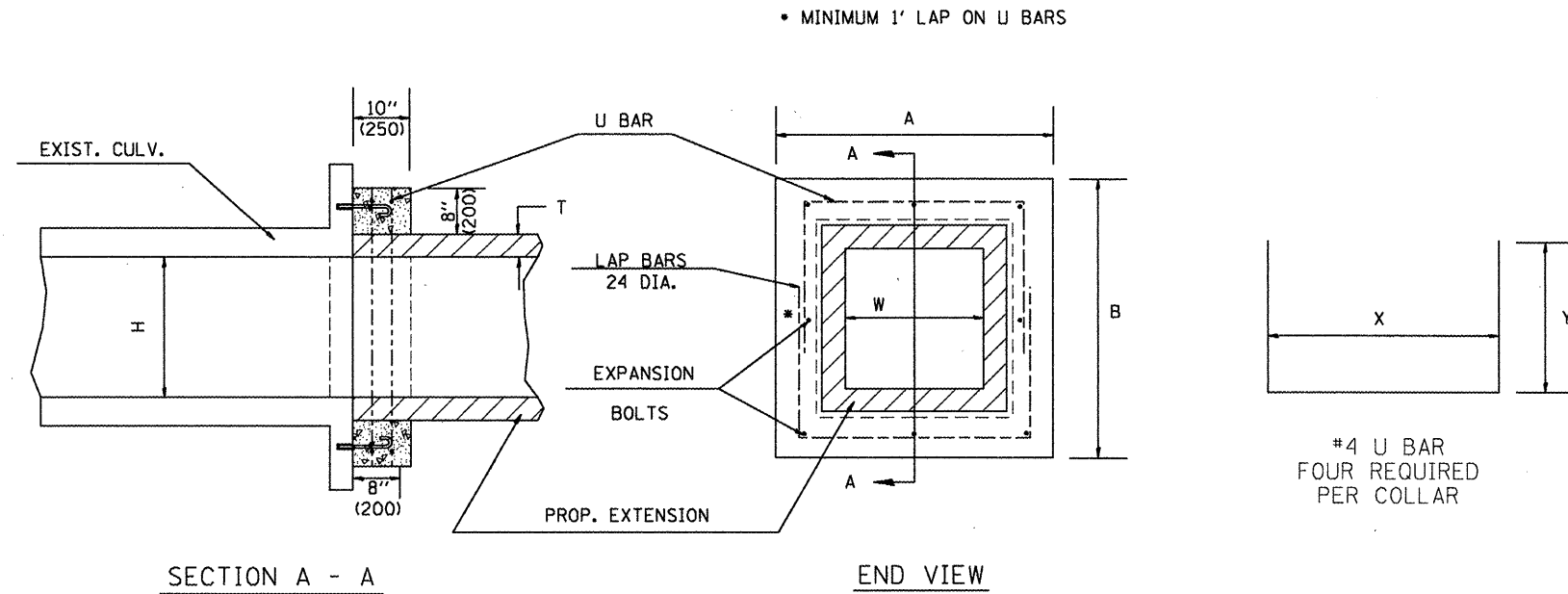


SECTION B-B PROJECTED  
PERPENDICULAR TO CENTERLINE

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

ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT CADD STANDARD	
HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)	
CADD STD NO. 440001-D4	
SCALE: NOT DRAWN TO SCALE	DRAWN BY CADD
DATE	CHECKED BY

DATE	REVISIONS	BY
1-1-97	RENUM. C-104.01, NEW REVISION BOX	T. P.
4-20-98	REMOVED MILLING DETAIL FROM STD.	J. A.
9-08-98	CORRECT NOTE LEADER PLACEMENT	R. W.
10-16-06	REVISED TO 2007 SPEC.	M.A.



GENERAL NOTES

1. The collar shall be constructed entirely of CLASS SI CONCRETE and in accordance with the applicable portions of section 503 of the Standard Specifications. REINFORCEMENT BARS shall conform to section 508.
2. Expansion bolts shall consist of approved expansions anchors, and 3/4" (M20) hook bolts which conform to Section 1006.09. These bolts shall extend at least 8"(200) into the new concrete.

\* Dimensions for ASTM C789.

DIMENSIONS

EXISTING BOX		A	B	T *	EACH COLLAR				
W ft (mm)	H ft (mm)				CL SI CU YD (m <sup>3</sup> )	REINFORCEMENT BARS		EXPANSION BOLTS NO.	
					X	Y	POUNDS (kg)		
2 (600)	2 (600)	4'-0" (1.22m)	4'-0" (1.22m)	4(100)	0.27(0.21)	3'-4" (1.02m)	26(660)	20 (9)	8
3 (900)	2 (600)	5'-0" (1.52m)	4'-0" (1.22m)	4(100)	0.32(0.24)	4'-4" (1.32m)	26(660)	23 (10.5)	8
3 (900)	2.5 (750)	5'-0" (1.52m)	4'-6" (1.37m)	4(100)	0.34(0.26)	4'-4" (1.32m)	29(737)	24.5 (11)	8
3 (900)	3 (900)	5'-0" (1.52m)	5'-0" (1.52m)	4(100)	0.36(0.28)	4'-4" (1.32m)	32(813)	26 (12)	8
3 (900)	4 (1200)	5'-2" (1.57m)	6'-2" (1.88m)	5(125)	0.41(0.31)	4'-6" (1.37m)	39(991)	29 (13)	10
4 (1200)	3 (900)	6'-2" (1.88m)	5'-2" (1.57m)	5(125)	0.41(0.31)	5'-6" (1.68m)	33(838)	29 (13)	10
4 (1200)	4 (1200)	6'-2" (1.88m)	6'-2" (1.88m)	5(125)	0.45(0.34)	5'-6" (1.68m)	39(991)	32 (14.5)	12
4 (1200)	5 (1500)	6'-4" (1.93m)	7'-4" (2.24m)	6(150)	0.51(0.39)	5'-8" (1.73m)	3'-10" (1.17m)	36 (16)	14
5 (1500)	4 (1200)	7'-4" (2.24m)	6'-4" (1.93m)	6(150)	0.51(0.39)	6'-8" (2.03m)	3'-4" (1.02m)	35 (16)	14
5 (1500)	5 (1500)	7'-4" (2.24m)	7'-4" (2.24m)	6(150)	0.55(0.42)	6'-8" (2.03m)	3'-10" (1.17m)	38 (17)	16
5 (1500)	6 (1800)	7'-6" (2.29m)	8'-6" (2.59m)	7(175)	0.60(0.46)	6'-10" (2.08m)	4'-5" (1.35m)	42 (19)	16
6 (1800)	4 (1200)	8'-6" (2.59m)	6'-6" (1.98m)	7(175)	0.56(0.43)	7'-10" (2.39m)	3'-5" (1.04m)	39 (18)	14
6 (1800)	5 (1500)	8'-6" (2.59m)	7'-6" (2.29m)	7(175)	0.60(0.46)	7'-10" (2.39m)	3'-11" (1.19m)	42 (19)	16
6 (1800)	6 (1800)	8'-6" (2.59m)	8'-6" (2.59m)	7(175)	0.64(0.49)	7'-10" (2.39m)	4'-5" (1.35m)	44.5 (20)	16
6 (1800)	8 (2400)	8'-8" (2.64m)	10'-8" (3.25m)	8(200)	0.74(0.57)	8'-0" (2.44m)	5'-6" (1.68m)	51 (23)	18
8 (2400)	8 (2400)	10'-8" (3.25m)	10'-8" (3.25m)	8(200)	0.82(0.63)	10'-0" (3.05m)	5'-6" (1.68m)	56 (25.5)	20

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

QUANTITIES

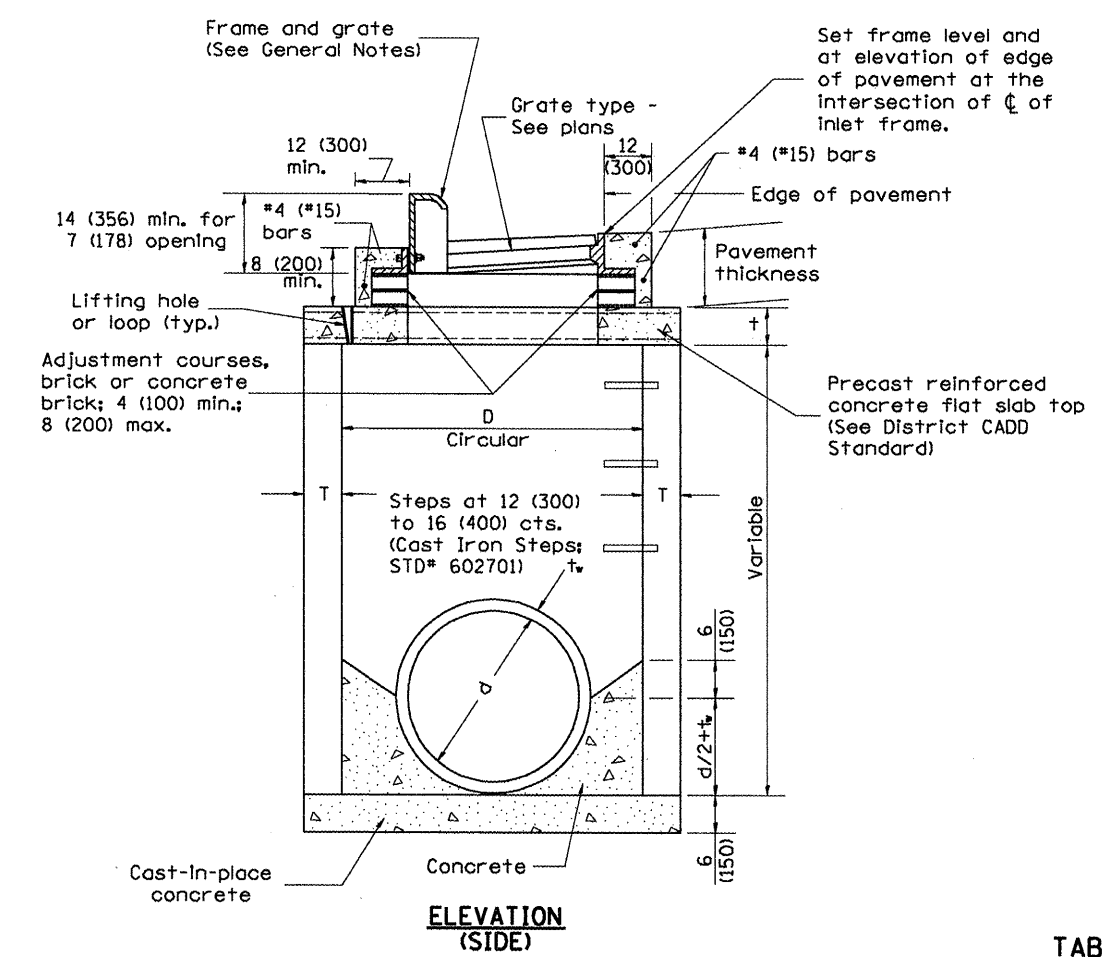
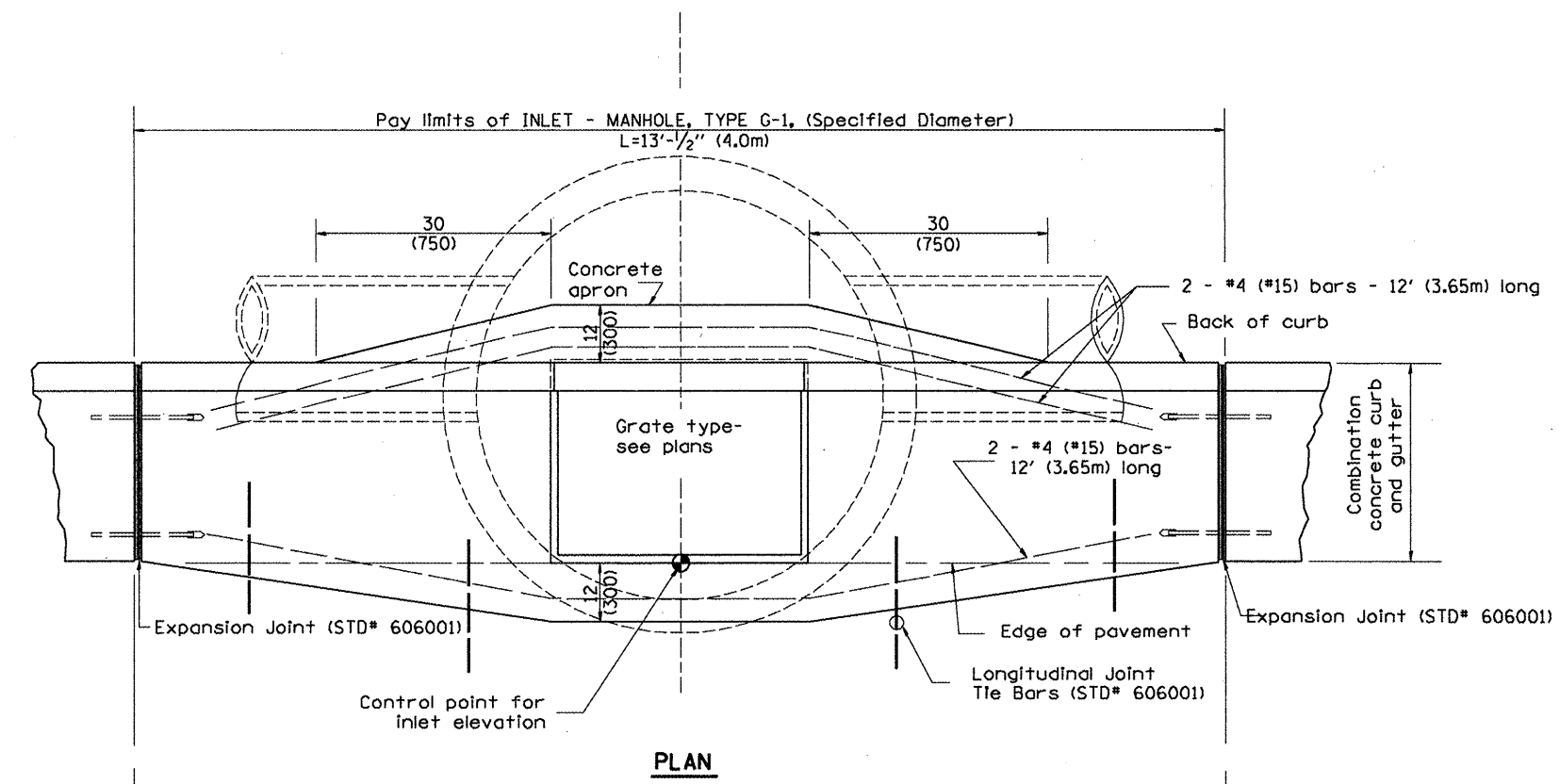
CALC. BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE, BUREAU OF PROJECT IMPLEMENTATION, DOCUMENTATION SECTION

DATE	REVISIONS	BY
1-1-97	RENUM. J-12.01, METRICS, NEW REVISION BOX, REVISED TITLE BOX, ADDED QUANTITY CALCULATION BOX.	T.P.
10-16-06	REV. TO 2007 SPEC., REINF. BARS COL.	M.A.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DISTRICT CADD STANDARD**  
**COLLAR FOR BOX CULVERT EXTENSIONS**  
 CADD STANDARD 540001-D4  
 SCALE: NOT DRAWN TO SCALE  
 DATE \_\_\_\_\_ DRAWN BY CADD  
 CHECKED BY \_\_\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64		PEORIA	186	171
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



**TABLE**

D	T	†
4' (1.2m)	5 (125)	6 (150)
5' (1.5m)	6 (150)	8 (200)
6' (1.8m)	7 3/4 (195)	8 (200)
8' (2.4m)	9 (225)	10 (250)

**GENERAL NOTES**

1. Inlet-manhole construction shall be in accordance with Section 602 of the Standard Specifications.
2. Combination concrete curb and gutter shall be constructed in accordance with Section 606 of the Standard Specifications.
3. See District CADD Standard 604001-D4 for frame and grates.
4. See District CADD Standard for precast reinforced concrete flat slab top.

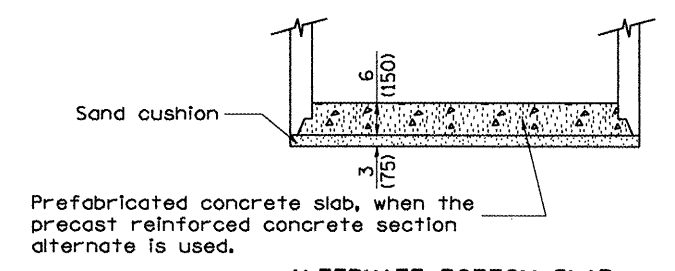
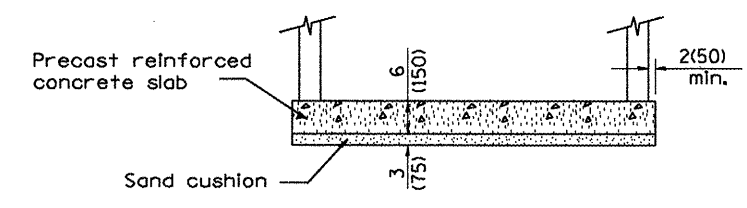
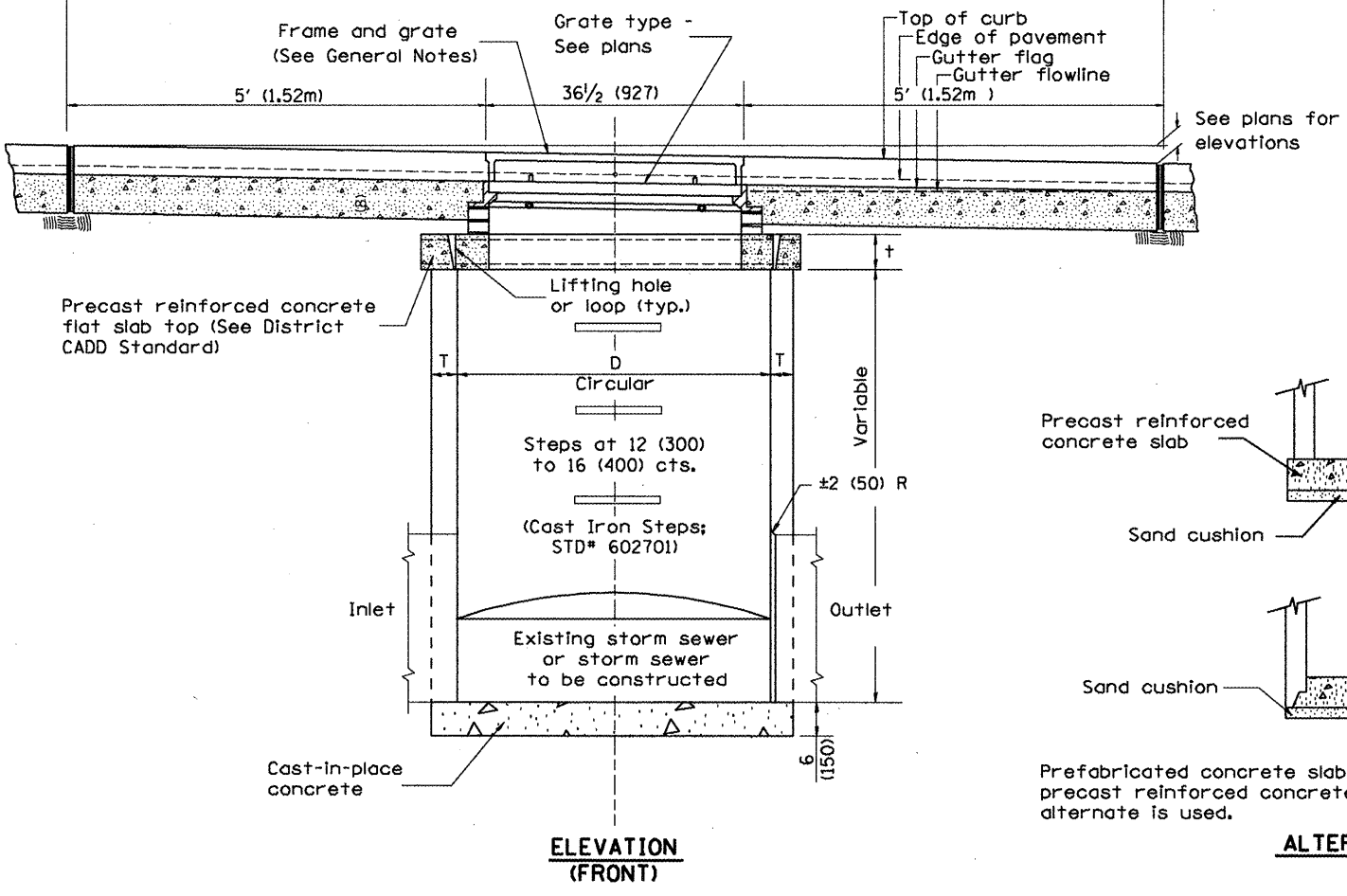
All dimensions are in inches (millimeters) unless otherwise noted.

**ILLINOIS DEPARTMENT OF TRANSPORTATION  
DISTRICT CADD STANDARD**

**INLET-MANHOLE,  
TYPE G-1**

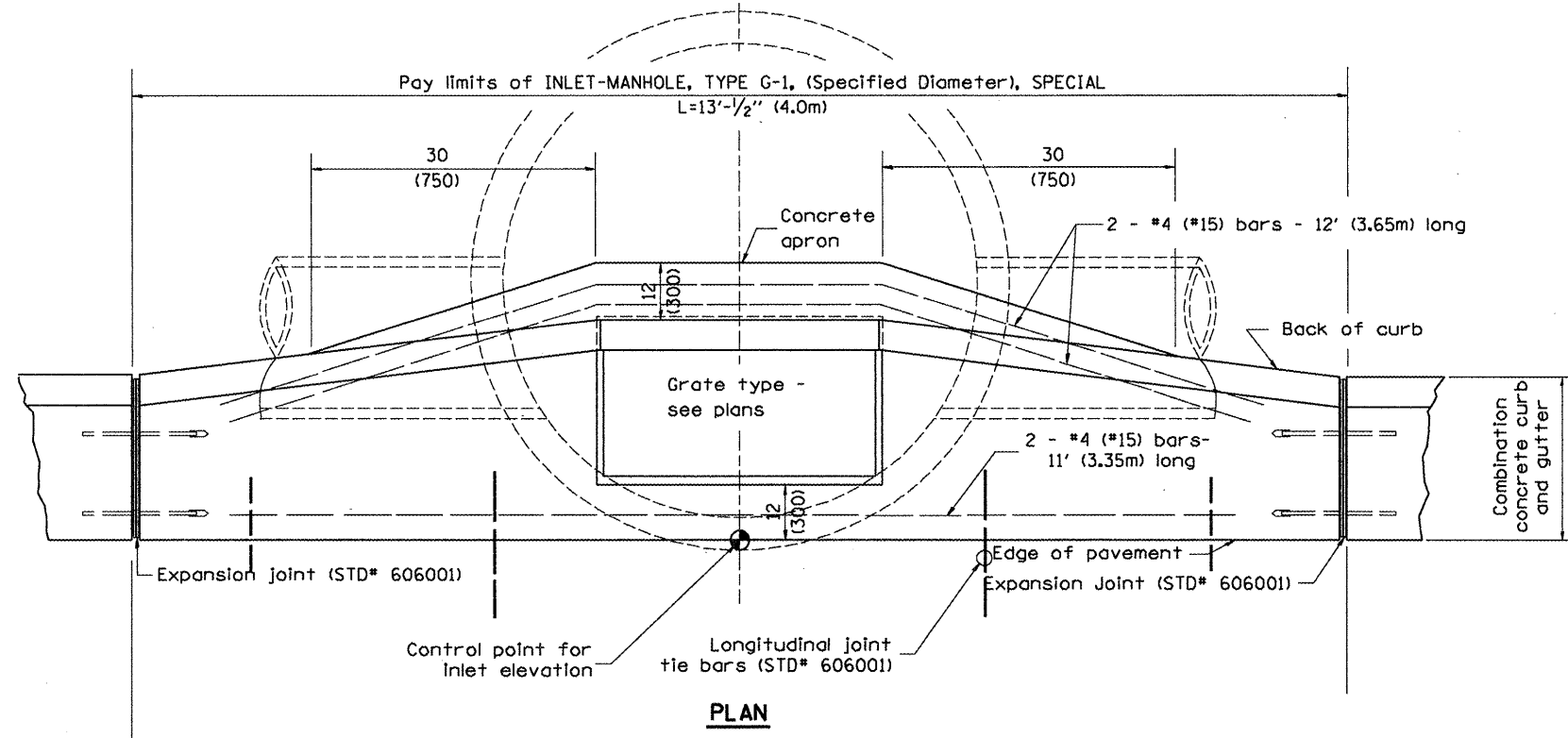
CADD STANDARD 602021-D4  
SCALE NOT TO SCALE  
DRAWN BY CADD  
CHECKED BY

DATE	REVISIONS	BY
1-1-97	RENUM. B-4.05, NEW REVISION BOX	
10-99	REVISION TO GENERAL NOTES	J.A.
2-00	REVISION TO DESIGNER NOTES	J.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

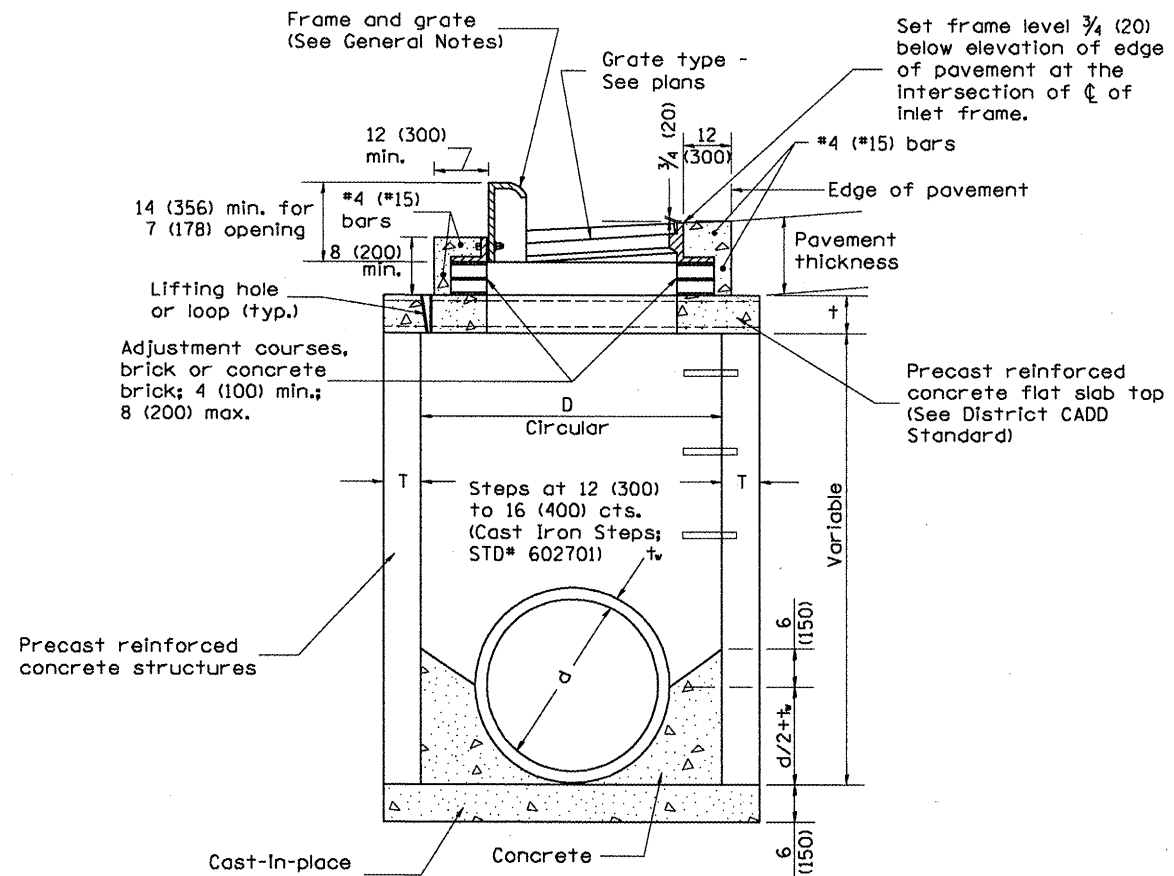




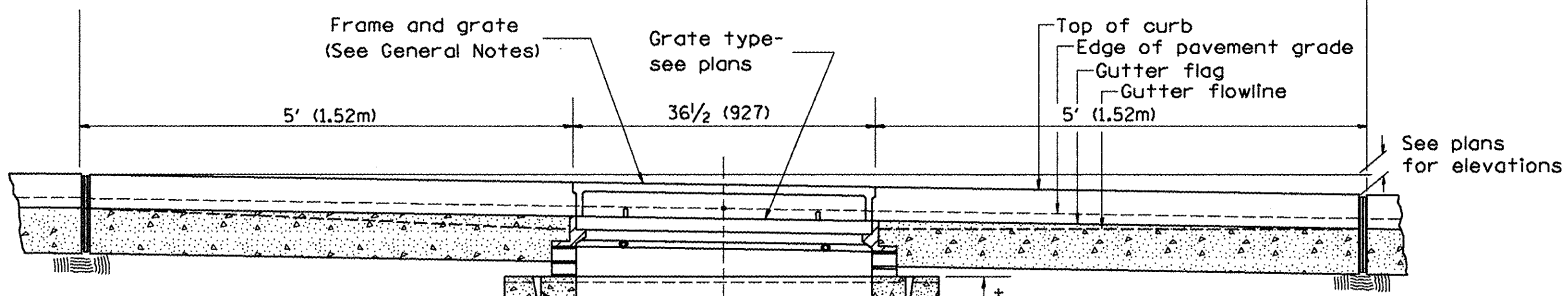
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
64		PEORIA	186 172
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



**PLAN**



**ELEVATION (SIDE)**



**ELEVATION (FRONT)**

**TABLE**

D	T	t
4' (1.2m)	5 (125)	6 (150)
5' (1.5m)	6 (150)	8 (200)
6' (1.8m)	7 3/4 (195)	8 (200)
8' (2.4m)	9 (225)	10 (250)

**GENERAL NOTES**

1. Inlet-manhole construction shall be in accordance with Section 602 of the Standard Specifications.
2. Combination concrete curb and gutter shall be constructed in accordance with Section 606 of the Standard Specifications.
3. See District CADD Standard 604001-D4 for frame and grates.
4. See District CADD Standard for precast reinforced concrete flat slab top.

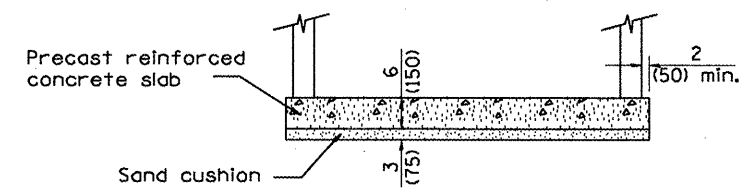
All dimensions are in inches (millimeters) unless otherwise noted.

**ILLINOIS DEPARTMENT OF TRANSPORTATION  
DISTRICT CADD STANDARD**

**INLET-MANHOLE,  
TYPE G-1, SPECIAL**

CADD STANDARD 602026-D4  
SCALE NOT TO SCALE  
DRAWN BY CADD  
CHECKED BY

DATE	REVISIONS	BY
1-1-97	RENUM. B-4.06, NEW REVISION BOX	T.P.
12-1-98	CORRECT E. D. P. NOTE	J.A.
10-99	REVISION TO GENERAL NOTES	J.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

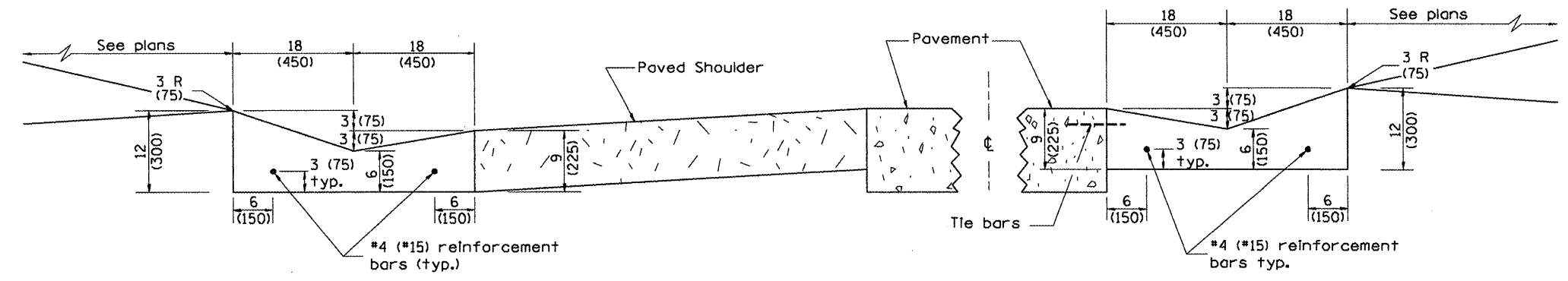


**ALTERNATE BOTTOM SLAB**

Prefabricated concrete slab, when the precast reinforced concrete section alternate is used.



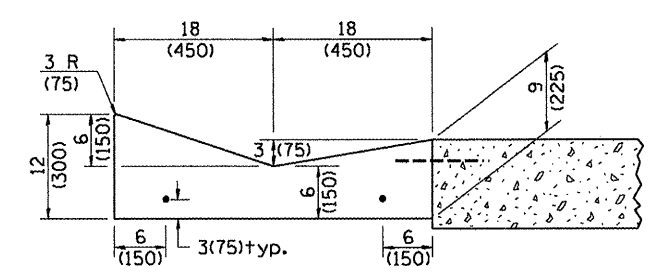
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64		PEORIA	186	173
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



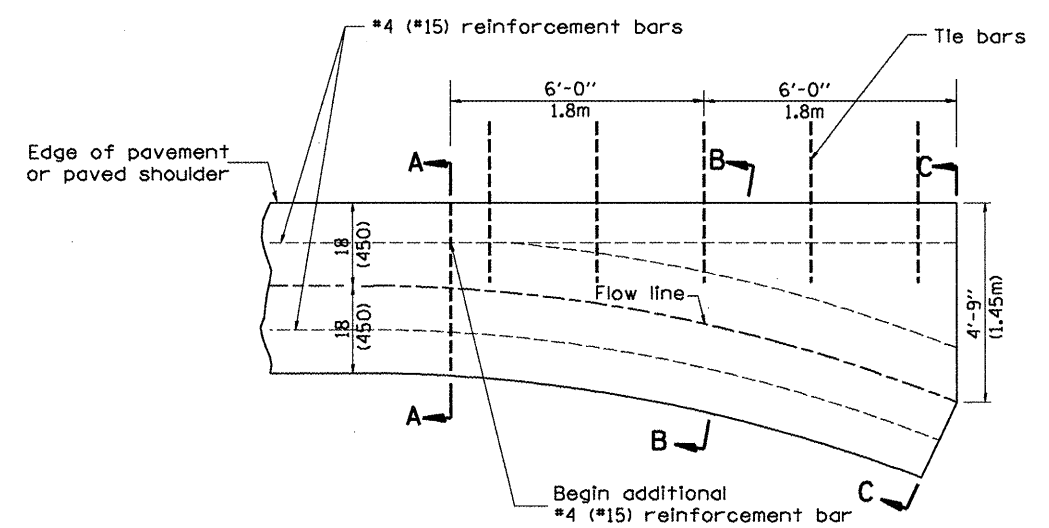
**SHOULDER EDGE GUTTER**

**TYPE A GUTTER (MODIFIED)**

**PAVEMENT EDGE GUTTER**



**SECTION A-A**

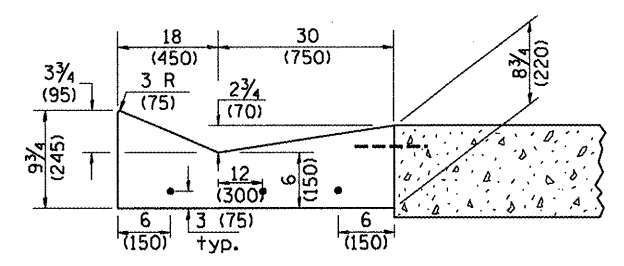


**PLAN**

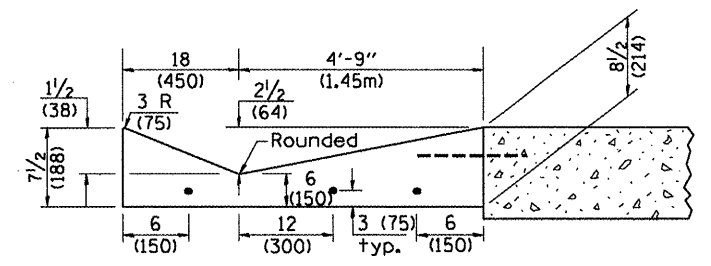
**QUANTITY**  
Section C-C to A-A= 1.2 cu. yd.  
(0.92 m<sup>3</sup>) concrete.

**GENERAL NOTES:**

1. TYPE A GUTTER (MODIFIED) shall conform to the applicable portions of Section 606.
2. Tie bars shall be No. 6 (No. 20) at 24" (600mm) centers unless otherwise shown.
3. Gutter, gutter inlets, gutter outlets, and gutter entrances shall be tied to rigid pavement in accordance with details shown on Standard 420001.
4. Joints shall be constructed in accordance with Article 606.06.
5. Welded wire fabric shall conform to Article 1006.10(c)(1), and shall not be less than 58 lbs/100 sq.ft. (2.83 kg/m<sup>2</sup>).



**SECTION B-B**



**SECTION C-C**

**INLET**

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

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DISTRICT CADD STANDARD

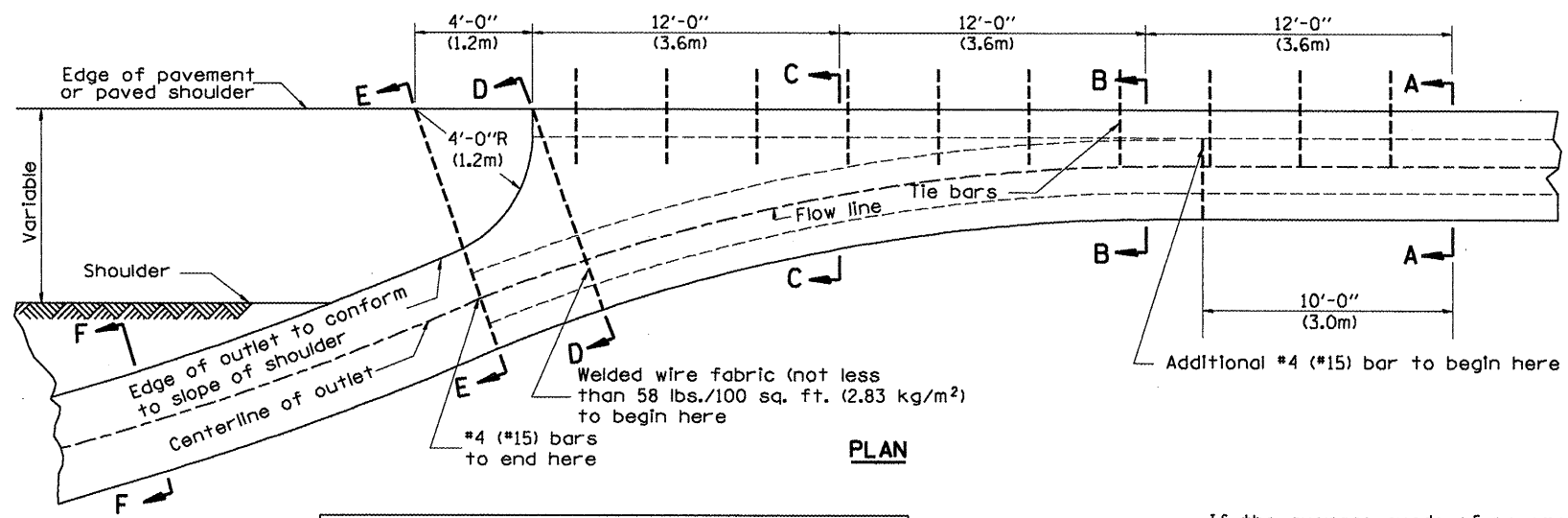
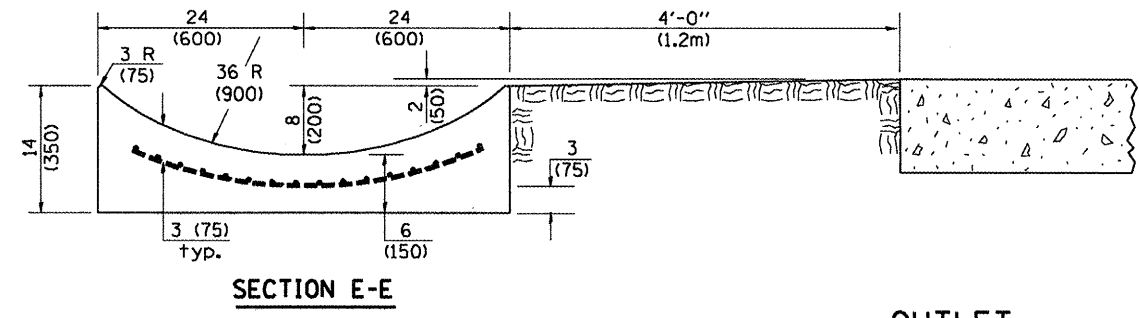
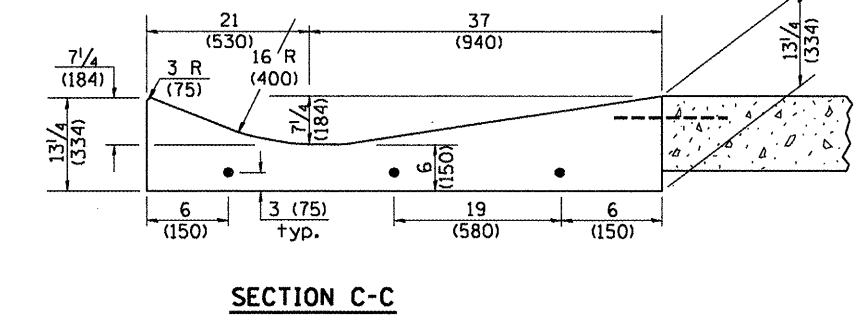
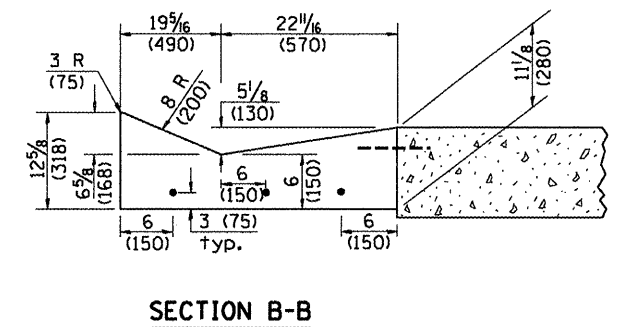
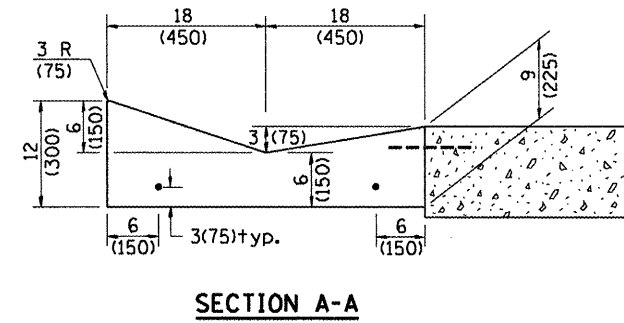
**TYPE A GUTTER, (MODIFIED)**  
**(INLET, OUTLET & ENTRANCE)**  
SHEET 1 OF 3  
CADD STANDARD 606101-D4  
SCALE: NOT DRAWN TO SCALE

DATE	REVISIONS	BY
1-1-97	RENUM. A-1.02, NEW REVISION BOX, ELIMINATED EXPANSION ANCHOR TIES.	T.P.
2-28-02	ENTRANCE TYPICALS REVISED	M.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.
1-10-07	REVISED QUANTITY	M.A.

QUANTITIES	
CALC. BY:	DATE:
CHECKED BY:	DATE:

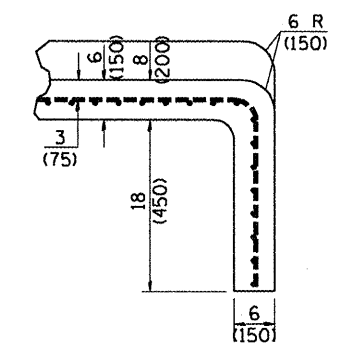
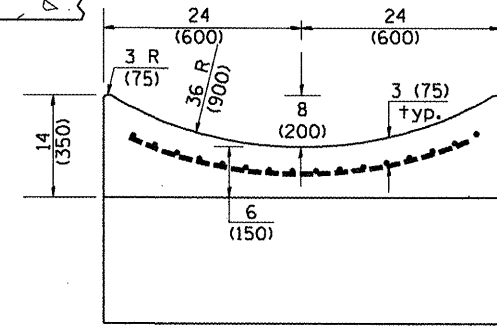
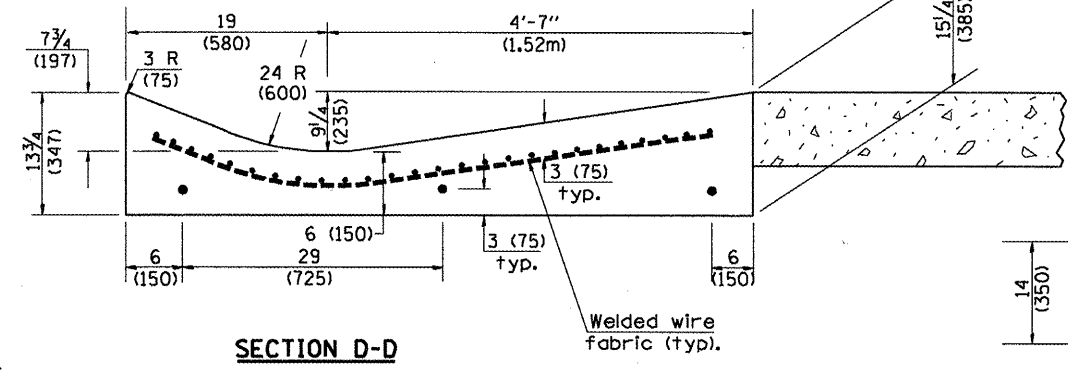
QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	*	PEORIA	186	174
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



**QUANTITY**  
 Section A-A to E-E= 4.5 cu. yd. (3.36 m<sup>3</sup>) concrete.  
 Section F-F= 0.10 cu. yd./ft. (0.26 m<sup>3</sup>/m) concrete.

If the average grade of pavement for the distance from section A-A to section D-D exceeds 2%, this distance shall be increased 6 ft. (1.8 m) for each 1% increase in grade. A quantity adjustment is required.



**QUANTITY**  
 Curtain Wall = 0.1 cu. yd. (0.08 m<sup>3</sup>) concrete.

**QUANTITIES**

CALC. BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

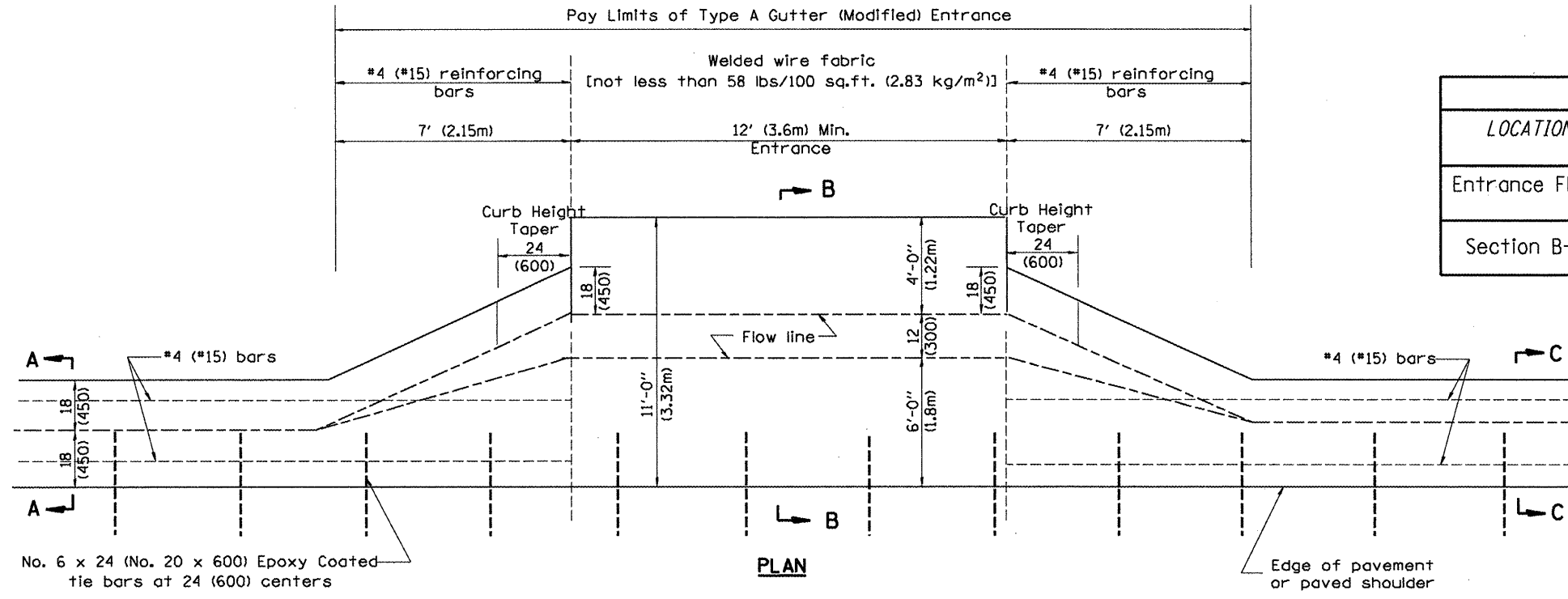
QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE, BUREAU OF PROJECT IMPLEMENTATION, DOCUMENTATION SECTION

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

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DISTRICT CADD STANDARD  
 TYPE A GUTTER, (MODIFIED)  
 (INLET, OUTLET & ENTRANCE)  
 CADD STANDARD 606101-D4 SHEET 2 OF 3  
 SCALE: NOT DRAWN TO SCALE  
 DRAWN BY CADD  
 CHECKED BY \_\_\_\_\_

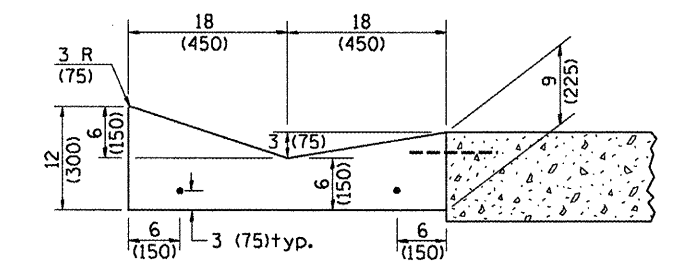
**OUTLET**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	*	PEORIA	186	175
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

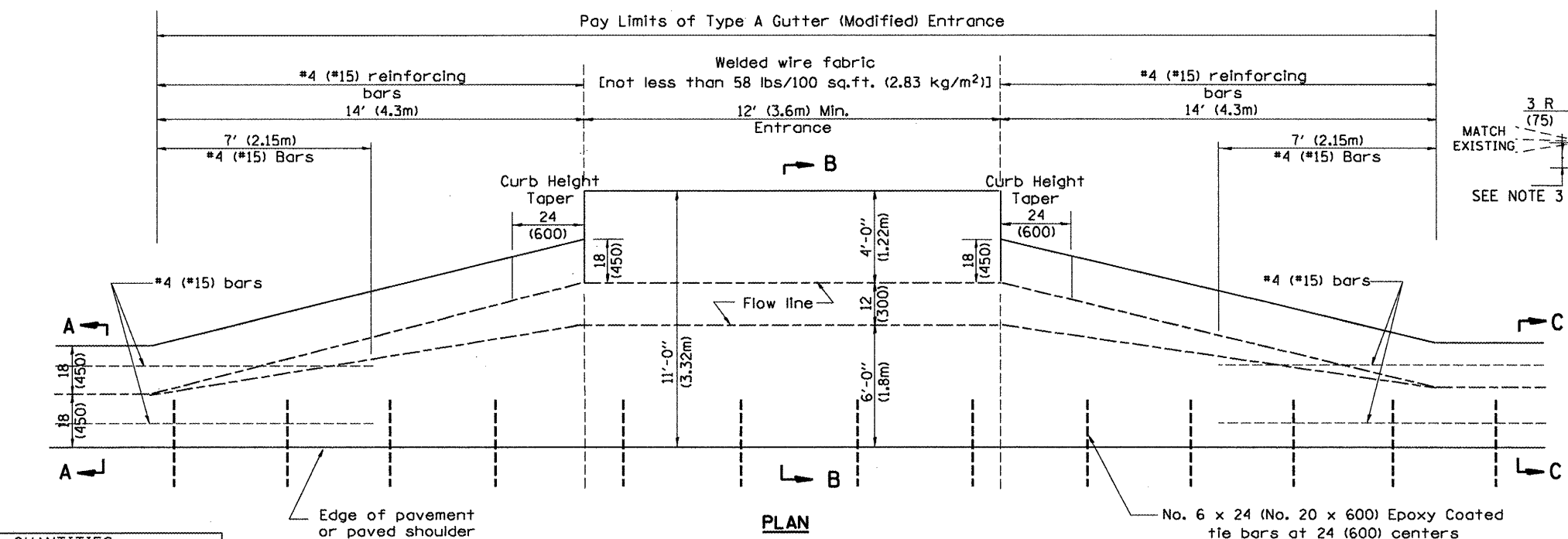


**TYPICAL URBAN ENTRANCE**

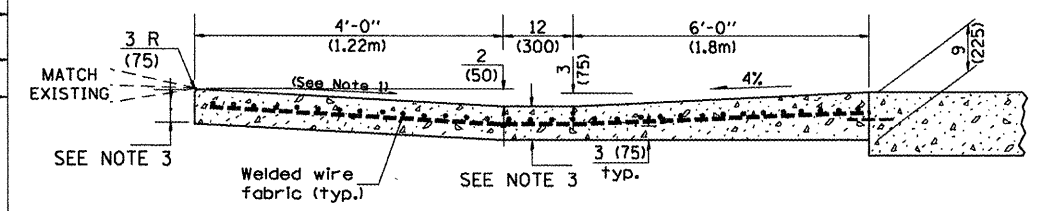
LOCATION	LENGTH	NON-COMMERCIAL 6 (150)	COMMERCIAL ENTRANCE 8 (200)
Entrance Flare	7 Ft (2.15 m) Urban 14 Ft (4.30 m) Rural	0.15 Cu Yd / Ft (0.37 Cu M / M)	0.18 Cu Yd / Ft (0.45 Cu M / M)
Section B-B	See Plans	0.23 Cu Yd / Ft (0.57 Cu M / M)	0.28 Cu Yd / Ft (0.70 Cu M / M)



**SECTION A-A & C-C**



**TYPICAL RURAL ENTRANCE**



**SECTION B-B**

- GENERAL NOTES**
- Slope may be increased from 4% (min.) to 6% (max.) in order to match the existing.
  - The cross-slope is to be constructed as given in the plans from back turnout to where driveway matches existing.
  - For Non-Commercial Entrances the driveway thickness shall be 6 (150). For Commercial Entrances the driveway thickness shall be 8 (200).

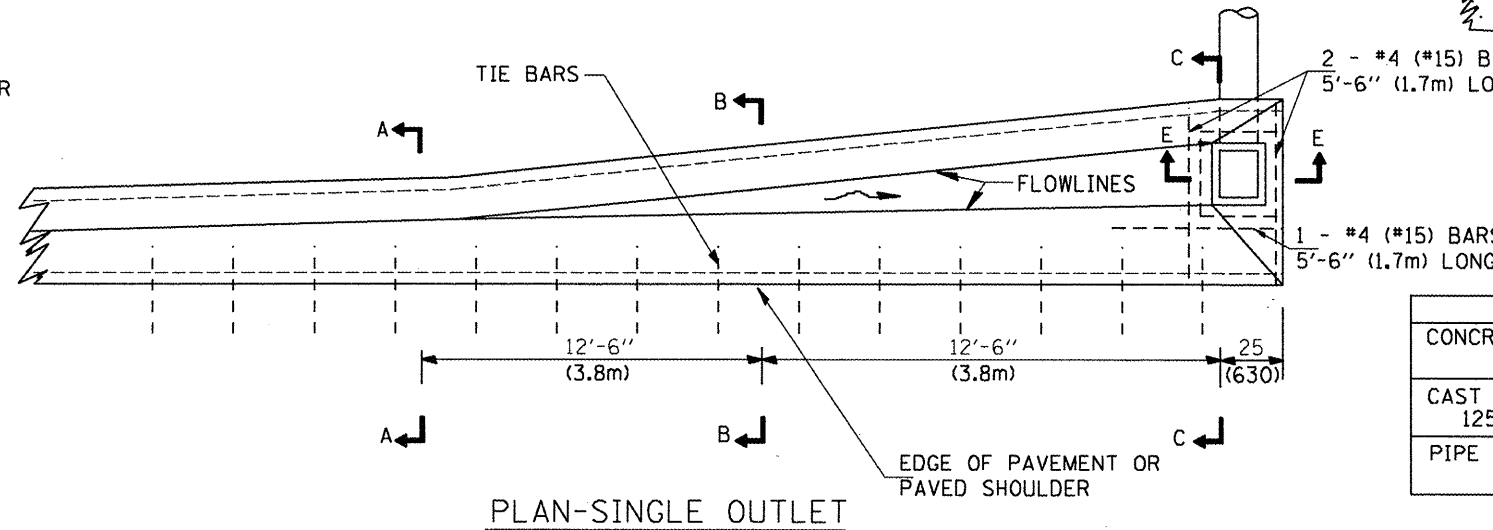
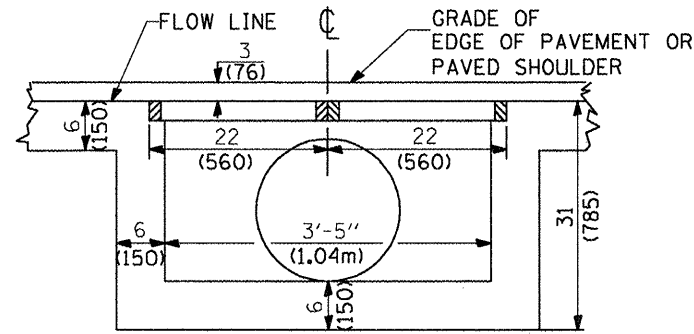
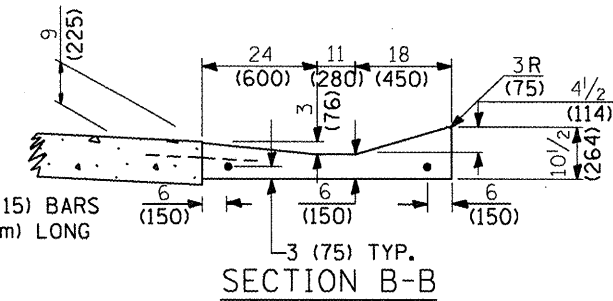
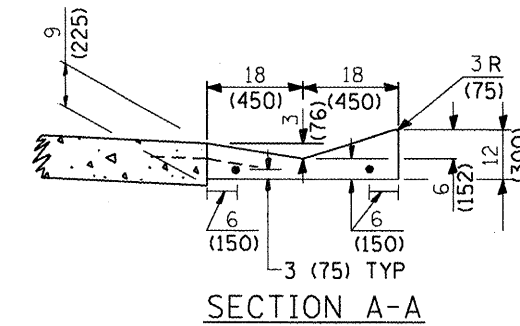
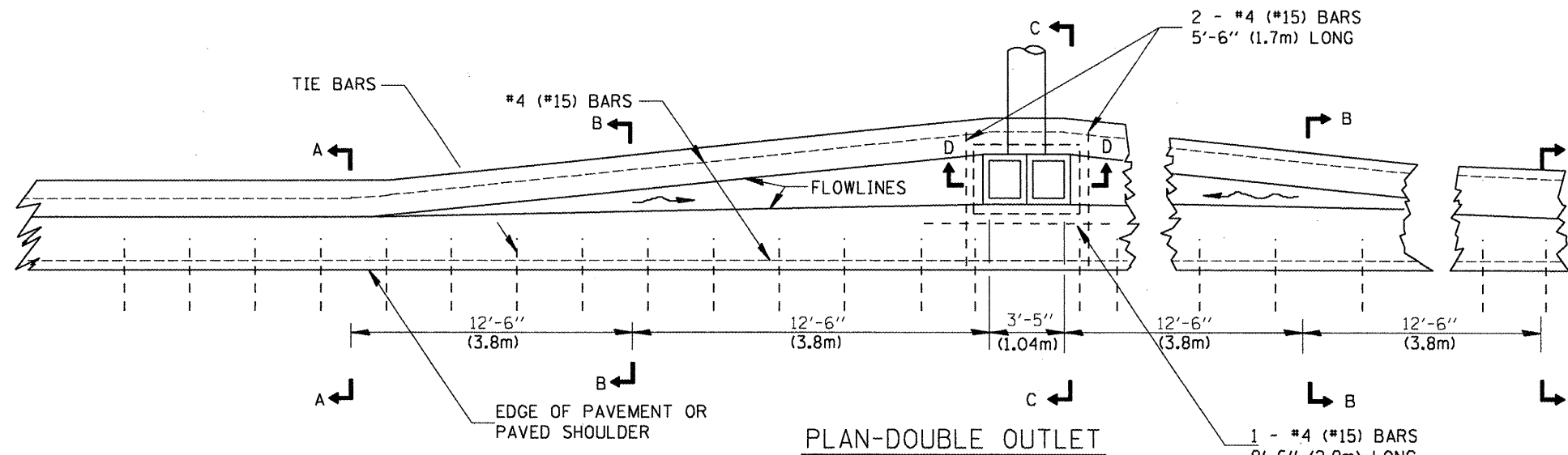
All dimensions are in inches (millimeters) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DISTRICT CADD STANDARD**  
**TYPE A GUTTER, (MODIFIED)**  
**(INLET, OUTLET & ENTRANCE)**  
 CADD STANDARD 606101-D4 SHEET 3 OF 3  
 SCALE: NOT DRAWN TO SCALE DRAWN BY  
 CHECKED BY

QUANTITIES	
CALC. BY: _____	DATE: _____
CHECKED BY: _____	DATE: _____
QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE, BUREAU OF PROJECT IMPLEMENTATION, DOCUMENTATION SECTION	

**ENTRANCE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64		PEORIA	186	176
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



**QUANTITIES**

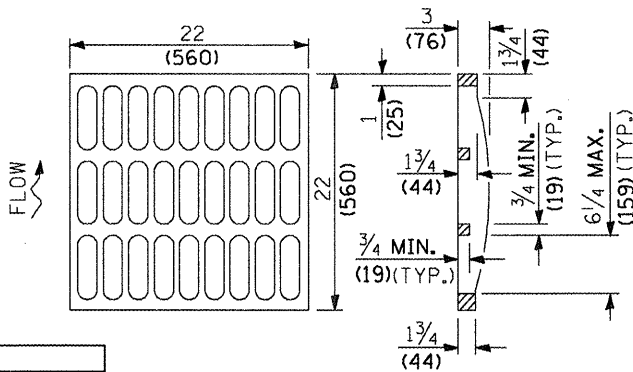
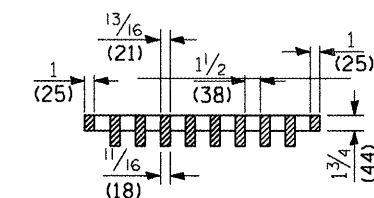
MATERIAL	SINGLE	DOUBLE
CONCRETE - (cu.yd.) m <sup>3</sup>	( )	( )
CAST IRON GRATE - Ea. 125 lbs. (57 kg)	1	2
PIPE DRAIN - DIA. (In.) mm	15 (400)	18 (450)

**GENERAL NOTES**

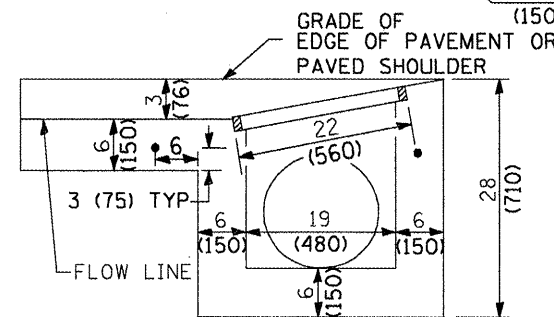
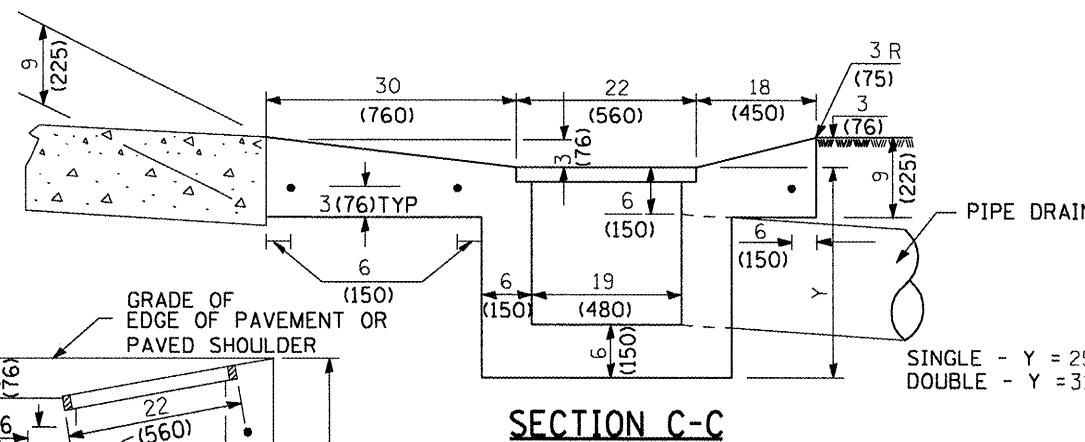
The gutter outlet shall be tied to the pavement in accordance with details for longitudinal construction joint shown on Standard 420001.

Tie bars shall be No. 6 (No. 20) at 24" (600mm) centers unless otherwise shown.

If the average grade of pavement for the distance A-D exceeds 2%, this distance shall be increased 6' (1.8m) for each 1% increase in grade.



**GRATE TYPE A**



**SECTION E-E  
(SINGLE INLET)**

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

**ILLINOIS DEPARTMENT OF TRANSPORTATION  
DISTRICT CADD STANDARD**

**OUTLET TYPE 1 (MODIFIED) FOR  
TYPE A GUTTER (MODIFIED)**

**CADD STANDARD 606106-D4**  
NOT DRAWN TO SCALE

DRAWN BY CADD  
CHECKED BY

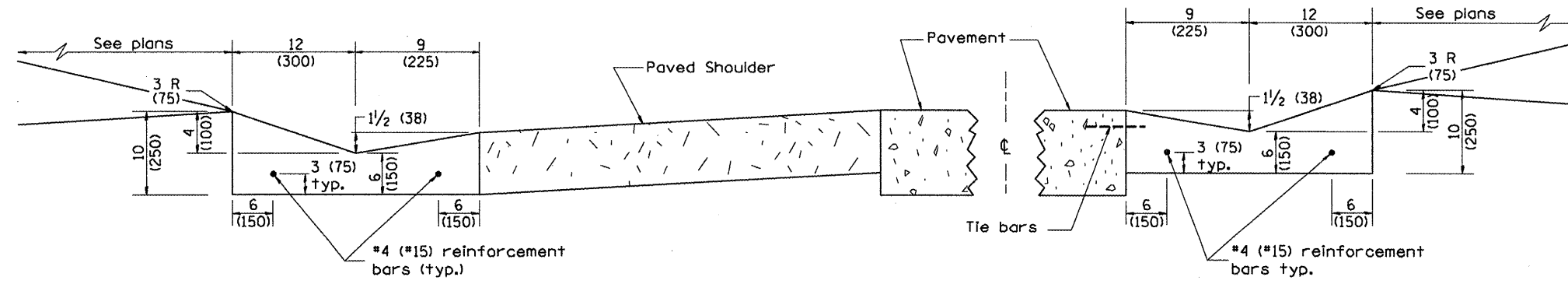
DATE	REVISIONS	BY
1-1-97	RENUM. A-1.07, NEW REVISION BOX, ADDED DESIGNER NOTES.	T.P.
10-16-06	REVISED TO 2007 SPEC.	M.A.

**QUANTITIES**

CALC. BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE, BUREAU OF PROJECT IMPLEMENTATION, DOCUMENTATION SECTION

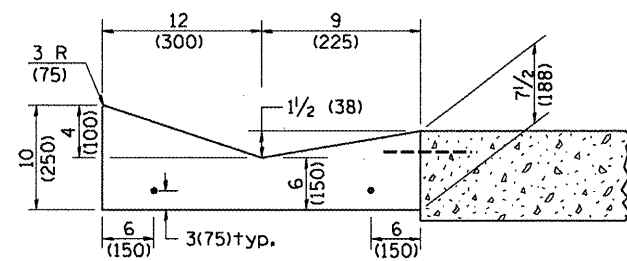
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64		PEORIA	186	177
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



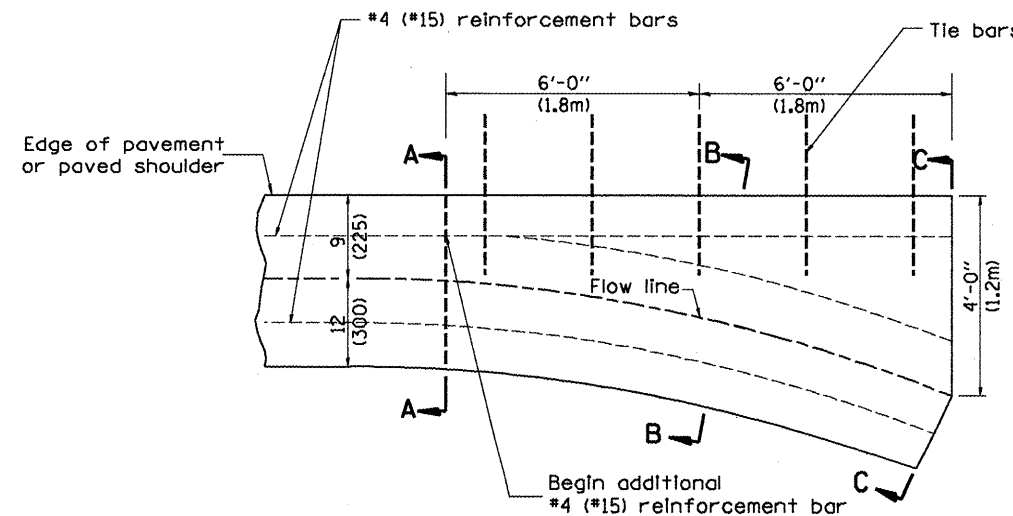
**SHOULDER EDGE GUTTER**

**TYPE B GUTTER (MODIFIED)**

**PAVEMENT EDGE GUTTER**



**SECTION A-A**

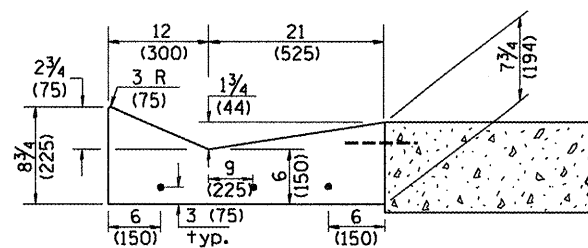


**PLAN**

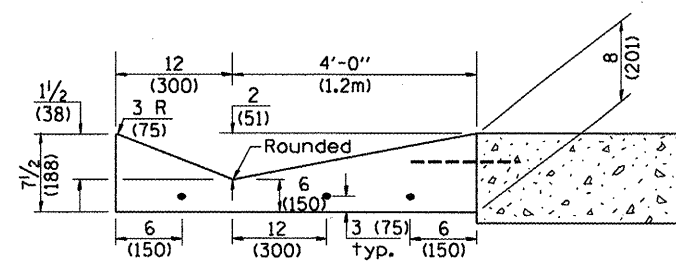
**QUANTITY**  
Section C-C to A-A=  
0.73 cu. yd. concrete.

**GENERAL NOTES:**

1. TYPE B GUTTER (MODIFIED) shall conform to the applicable portions of Section 606.
2. Tie bars shall be No. 6 (No. 20) at 24" (600mm) centers unless otherwise shown.
3. Gutter, gutter inlets, gutter outlets, and gutter entrances shall be tied to rigid pavement in accordance with details shown on Standard 420001.
4. Joints shall be constructed in accordance with Article 606.06.
5. Welded wire fabric shall conform to Article 1006.10(c)(1), and shall not be less than 58 lbs/100 sq.ft. (2.83 kg/m<sup>2</sup>).



**SECTION B-B**



**SECTION C-C**

**INLET**

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

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DISTRICT CADD STANDARD

TYPE B GUTTER (MODIFIED)  
(INLET, OUTLET & ENTRANCE)

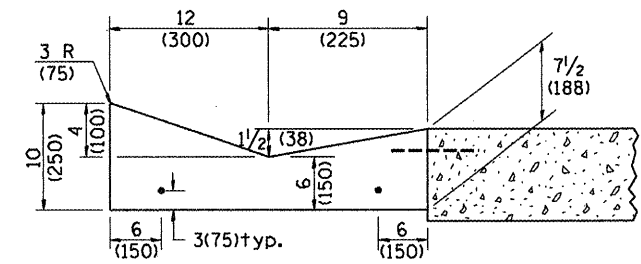
CADD STANDARD 606201-D4 SHEET 1 OF 3  
SCALE: NOT DRAWN TO SCALE DRAWN BY CADD  
CHECKED BY

DATE	REVISIONS	BY
1-1-97	RENUM. A-1.01, NEW REVISION BOX, ELIMINATED EXPANSION	T.P.
3-6-98	ANCHOR TIES	J.A.
3-10-06	CORRECT DIMENSIONING	J.A.
10-16-06	REVISED QUANTITY	M.A.
	REVISED TO 2007 SPEC.	M.A.

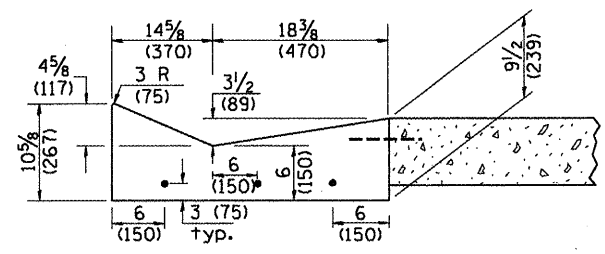
**QUANTITIES**

CALC. BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

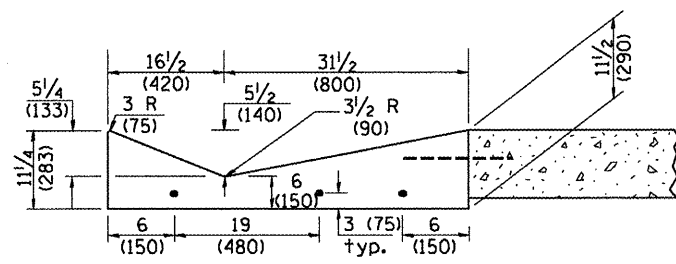
QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE, BUREAU OF PROJECT IMPLEMENTATION, DOCUMENTATION SECTION



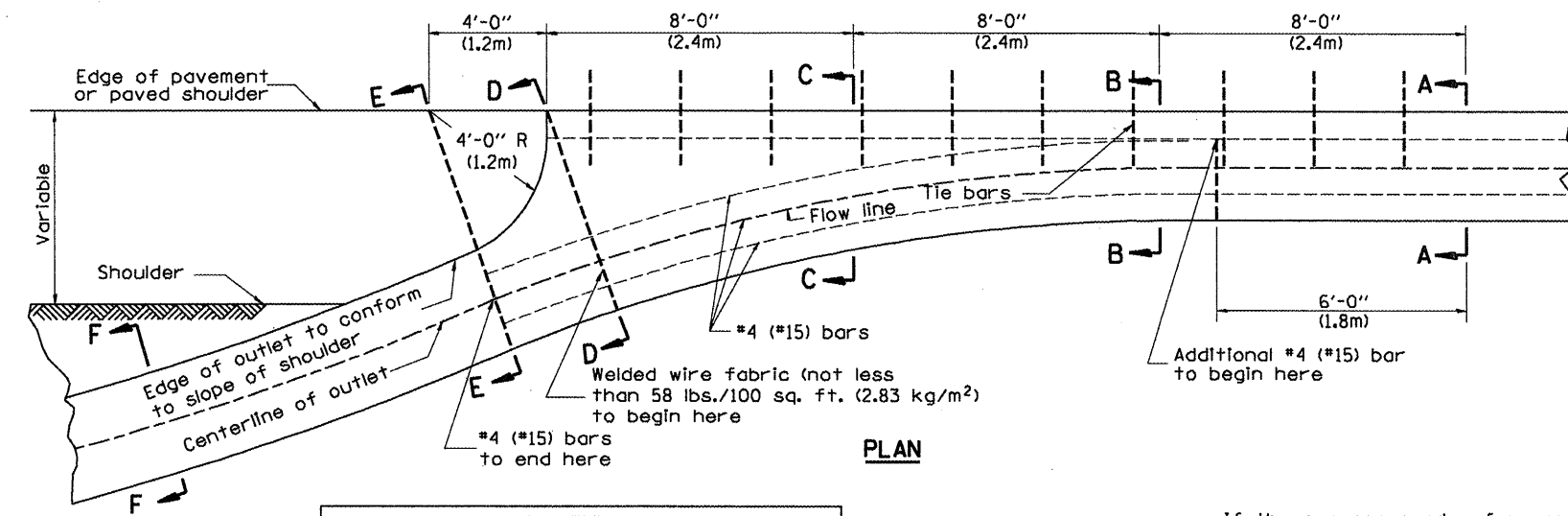
**SECTION A-A**



**SECTION B-B**



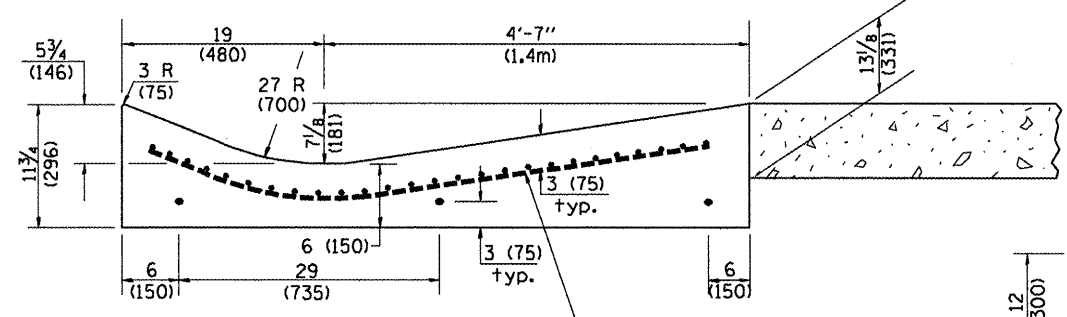
**SECTION C-C**



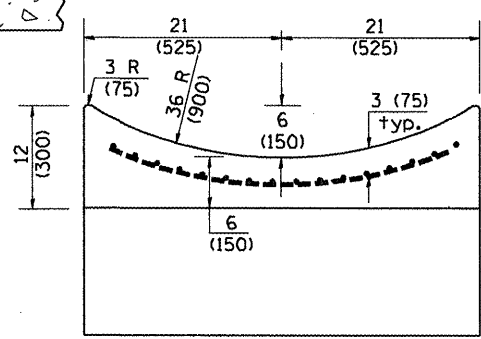
**PLAN**

**QUANTITY**  
 Section A-A to E-E= 2.81 cu. yd. concrete.  
 Section F-F= 0.09 cu. yd./ft. concrete.

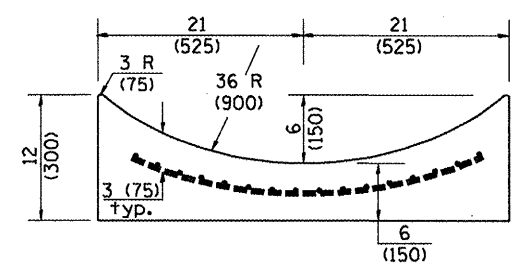
If the average grade of pavement for the distance from section A-A to section D-D exceeds 2%, this distance shall be increased 6 ft. (1.8m) for each 1% increase in grade. A quantity adjustment is required.



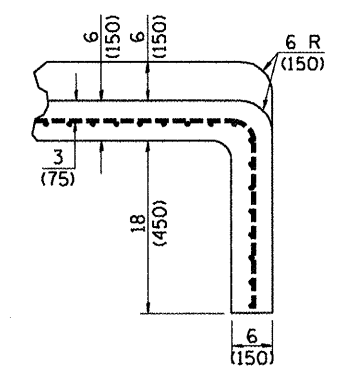
**SECTION D-D**



**SECTION E-E**



**SECTION F-F**



**SECTIONS AT END OF OUTLET (CURTAIN WALL)**

**QUANTITY**  
 Curtain Wall =  
 0.1 cu. yd. concrete.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DISTRICT CADD STANDARD**  
**TYPE B GUTTER (MODIFIED)**  
**(INLET, OUTLET & ENTRANCE)**  
 CADD STANDARD 606201-D4 SHEET 2 OF 3  
 NOT DRAWN TO SCALE DRAWN BY CADD CHECKED BY

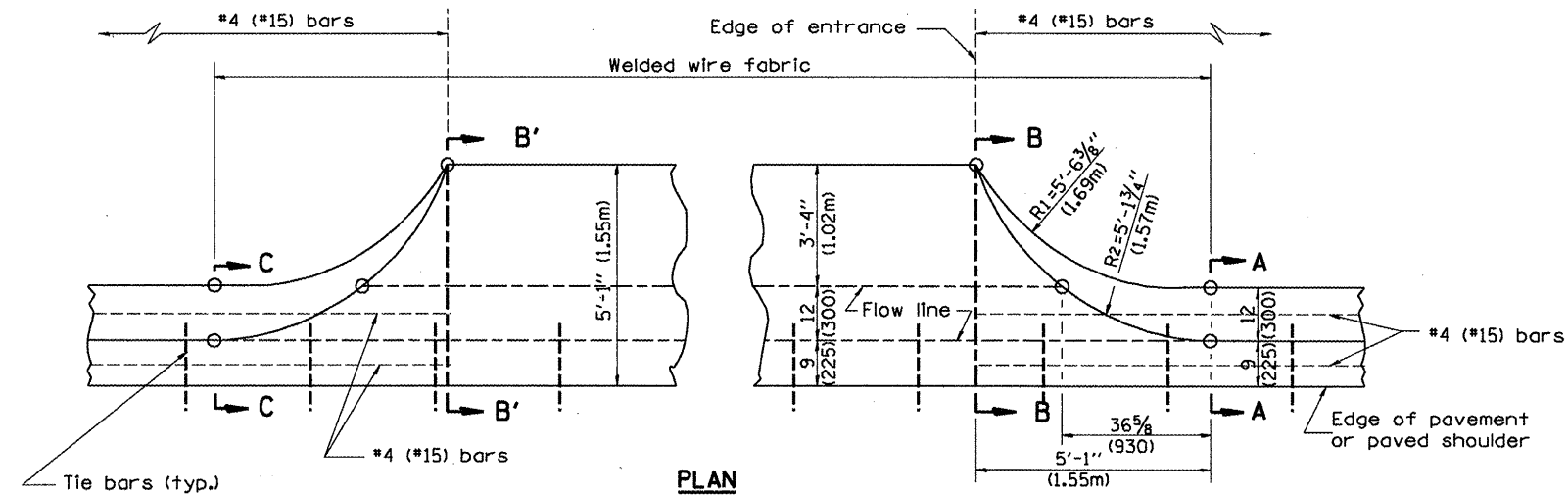
**QUANTITIES**

CALC. BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE, BUREAU OF PROJECT IMPLEMENTATION, DOCUMENTATION SECTION

**OUTLET**

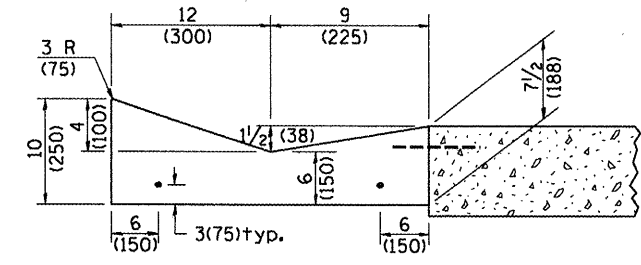
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64		PEORIA	186	179
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



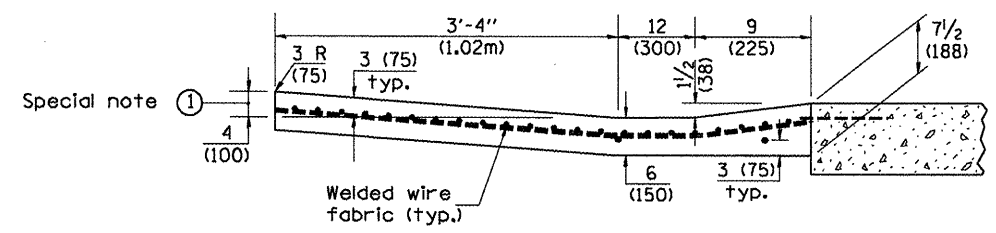
PLAN

TYPICAL URBAN ENTRANCE

**QUANTITY URBAN ENTRANCE**  
 Section B'-B' to B-B= 0.1 cu. yd./ft.  
 Section C-C to B'-B' + B-B to A-A= 0.69 cu. yd.

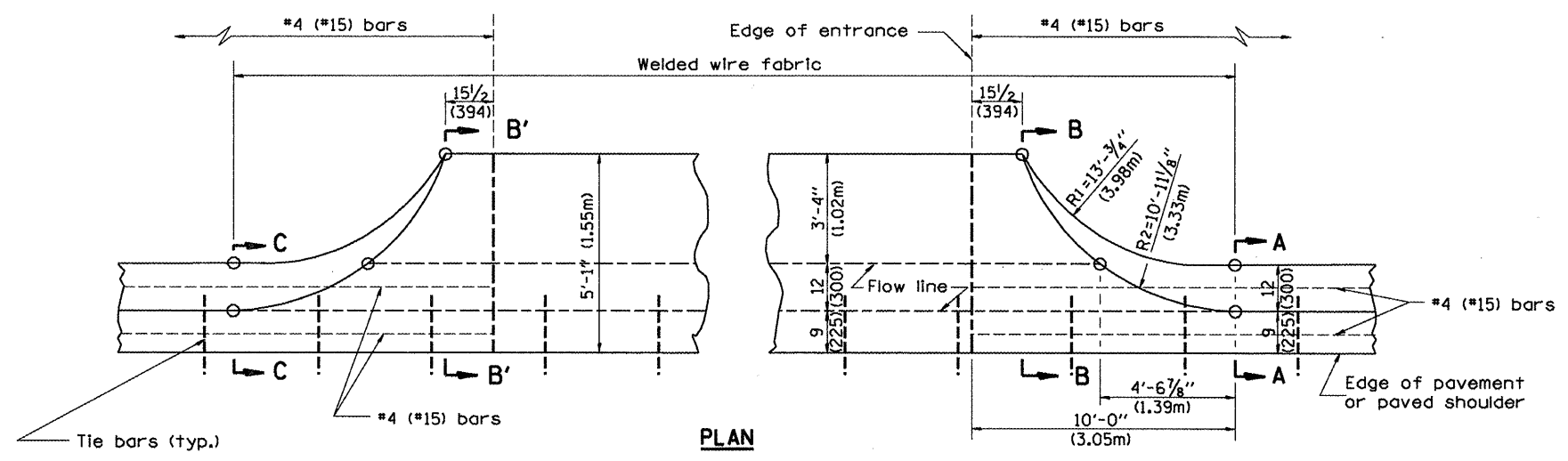


SECTION A-A & C-C



SECTION B-B & B'-B'

**SPECIAL NOTES:**  
 ① 4 (100) is the normal dimension. If specified in the plans, the following shall be used for improved entrance match-up: Minimum - 2 1/2 (65) Maximum - 5 (125)



PLAN

TYPICAL RURAL ENTRANCE

**QUANTITY RURAL ENTRANCE**  
 Section B'-B' to B-B= 0.1 cu. yd./ft.  
 Section C-C to B'-B' + B-B to A-A= 1.19 cu. yd.

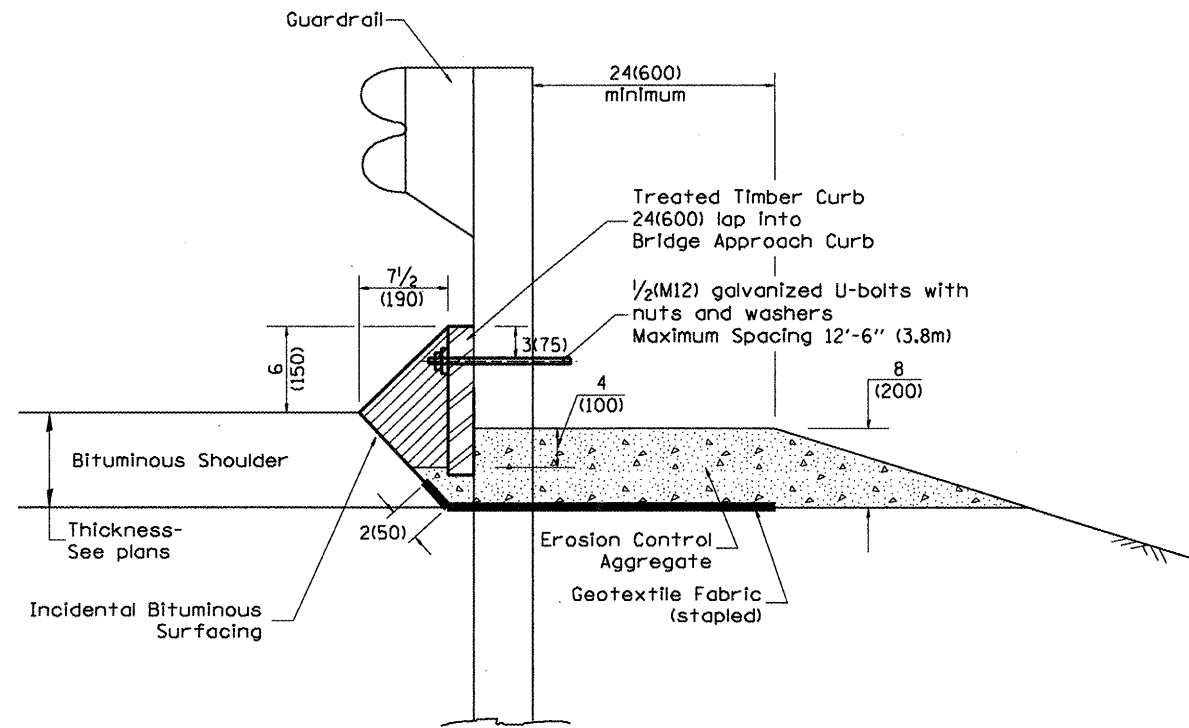
All dimensions are in inches (millimeters) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DISTRICT CADD STANDARD**  
**TYPE B GUTTER (MODIFIED)**  
**(INLET, OUTLET & ENTRANCE)**  
 CADD STANDARD 606201-D4 SHEET 3 OF 3  
 SCALE: NOT DRAWN TO SCALE DRAWN BY CADD CHECKED BY

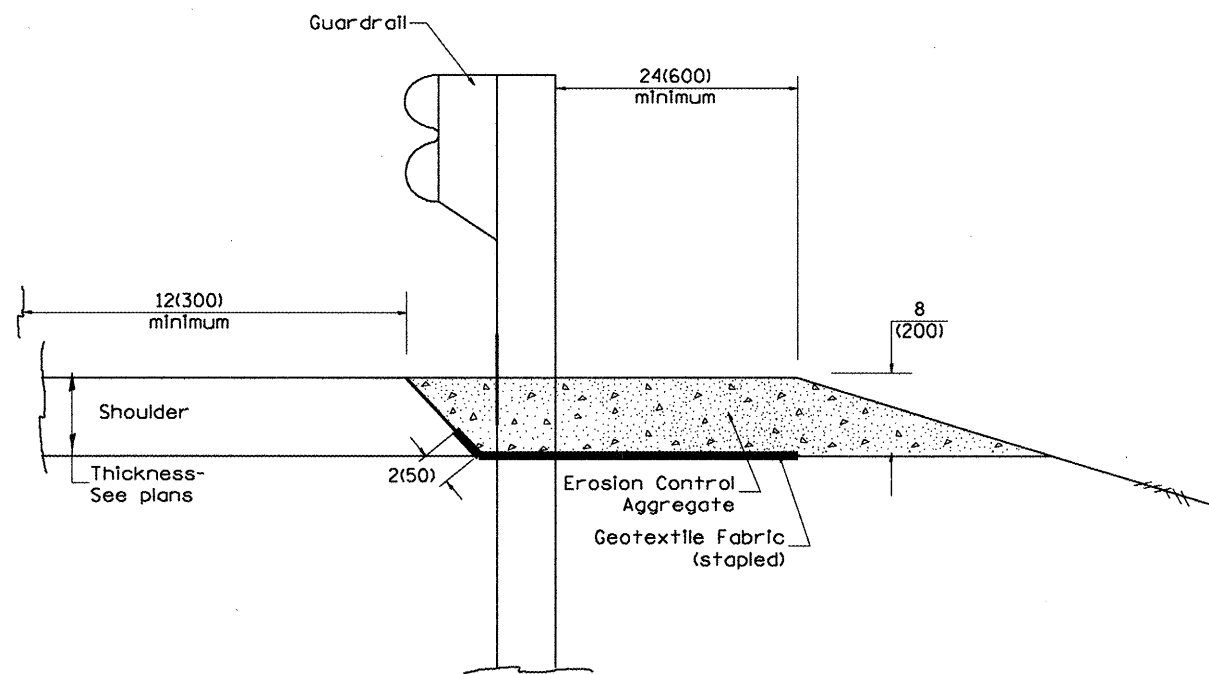
**QUANTITIES**  
 CALC. BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE, BUREAU OF PROJECT IMPLEMENTATION, DOCUMENTATION SECTION



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64		PEORIA	186	180
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**TYPICAL SECTION WITH EROSION CONTROL CURB**



**TYPICAL SECTION WITHOUT EROSION CONTROL CURB**

**GENERAL NOTES: EROSION CONTROL CURB**

1. This work shall consist of grading as needed, installing hardware and treated timber boards, furnishing and placing mastic material and incidental bituminous surfacing in front of Steel Plate Beam Guardrail in accordance with Plan Details.
2. Timber shall be treated in accordance with Article 1007.12. All preservatives specified in the article will be allowed. Waterborne preservatives "asa" and "cca" shall have a minimum retention of 0.40 lbs./cu. ft. (6.4 kg/m<sup>3</sup>)

**GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL**

1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.
2. Before placing the aggregate and the Geotextile Fabric, weeds and grass shall be removed from the area to be covered.
3. After the area has been prepared, and in a dry condition, the Geotextile fabric shall be placed with a 12(300) minimum overlap. A knife cut for guardrail post installation is necessary.
4. The aggregate shall be deposited, compacted and shaped by either mechanical or hand methods, in a manner reasonably true to line and grade.
5. The Contractor shall have the option of placing the guardrail before or after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be filled and the aggregate returned to line and grade.
6. Materials shall meet the following requirements:
  - A. The crushed aggregate shall be CA1 gradation in accordance with Article 1004.01(c) of the Standard Specifications.
  - B. The Geotextile Fabric shall be nonwoven fabric in accordance with Article 1080.02 of the Standard Specifications.

All dimensions are in Inches (millimeters) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DISTRICT CADD STANDARD

DATE	REVISIONS	BY
1-1-97	RENUM. C-22.01, NEW REVISION BOX	T.P.
3-1-97	CORRECT STD. NUMBERS IN NOTES PG. 2	J.A.
11-3-00	CORRECTION TO NOTES	M.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

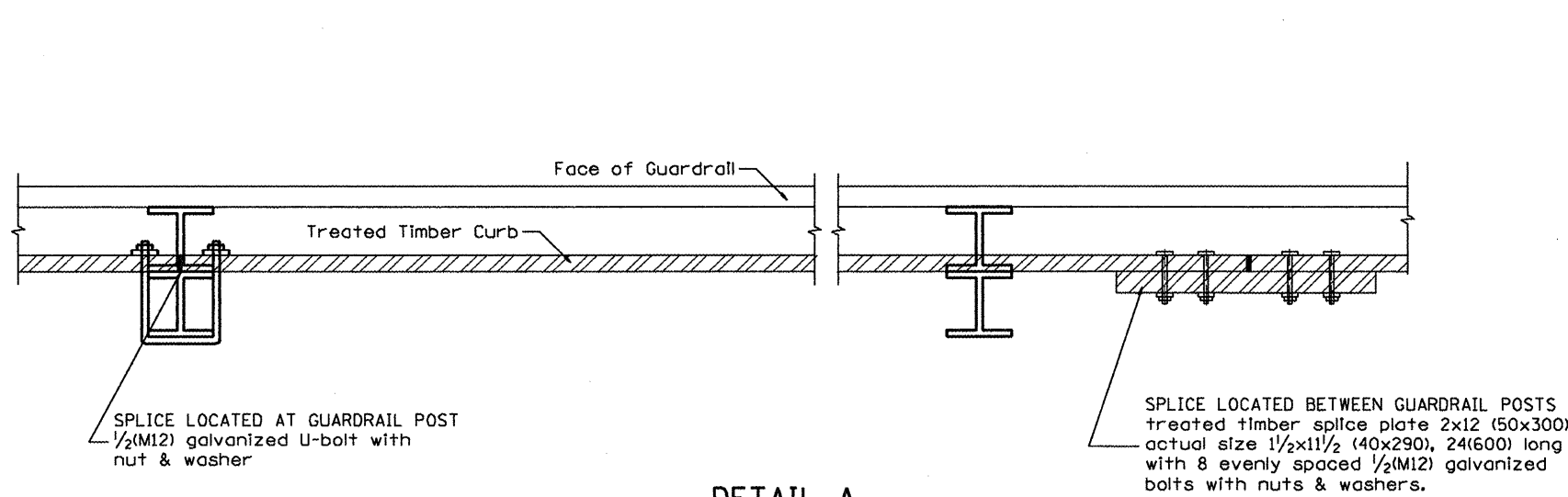
**GUARDRAIL EROSION CONTROL TREATMENTS**

CADD STD NO. 630101-D4(1)  
SCALE: NOT DRAWN TO SCALE

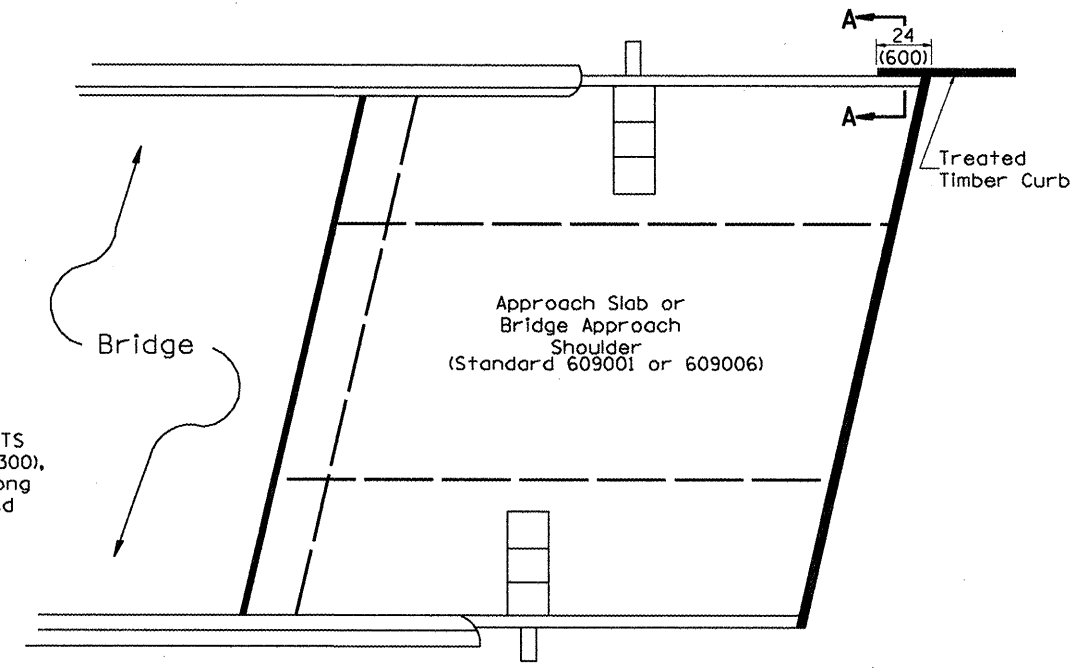
SHEET 1 OF 2  
DRAWN BY CADD  
CHECKED BY



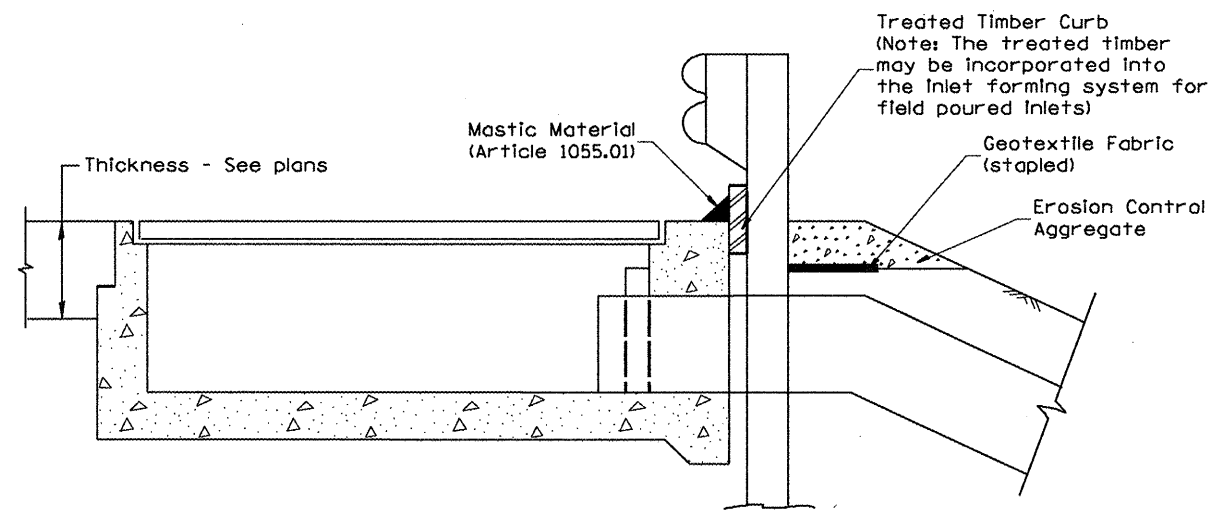
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64		PEORIA	186	181
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



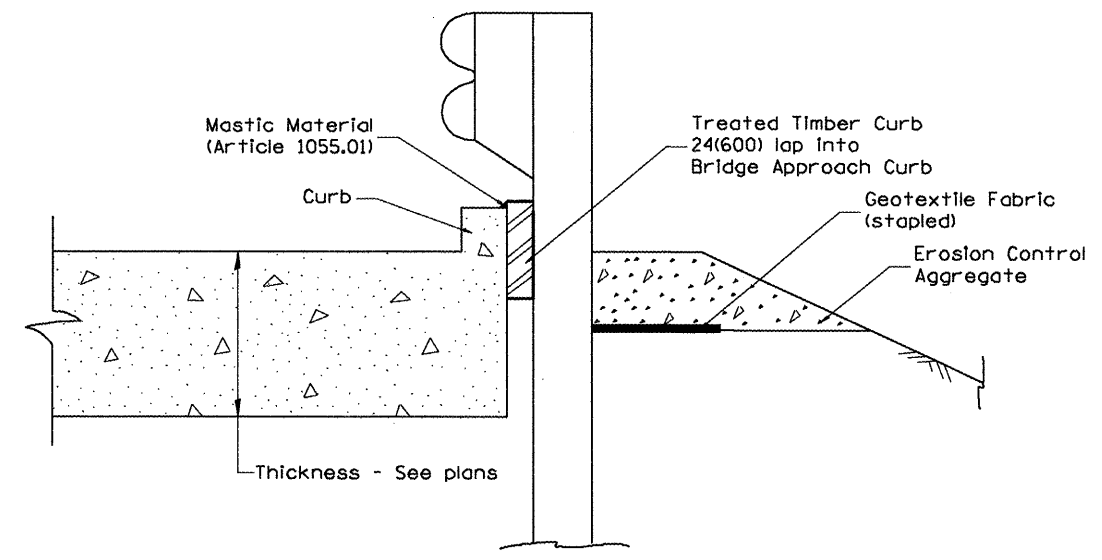
**DETAIL A**  
(Typical Treated Timber Splices)



**PLAN VIEW**  
**APPROACH SLAB OR BRIDGE APPROACH SHOULDER**  
(STANDARD 609001 or 609006)



**TYPICAL SECTION WITH EROSION CONTROL CURB**  
**AT INLETS TYPE E & F (STANDARD 610001)**

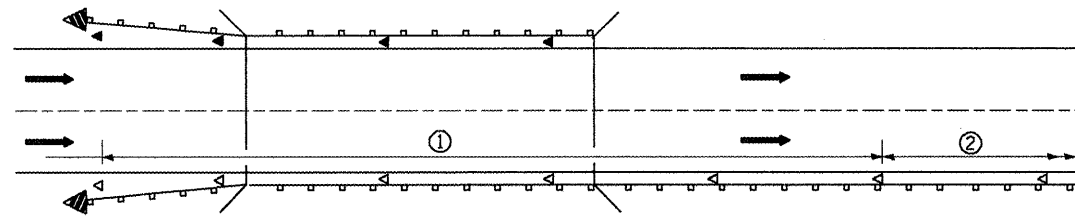


**SECTION A-A**  
**TYPICAL SECTION WITH EROSION CONTROL CURB**  
**AT BRIDGE APPROACH CURB**  
(STANDARD 609001 OR 609006)

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

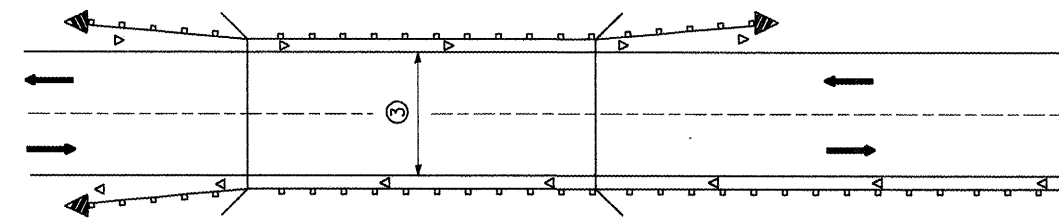
ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT CADD STANDARD	
GUARDRAIL EROSION CONTROL TREATMENTS	
CADD STD NO. 630101-D4(2)	SHEET 2 OF 2
SCALE: NOT DRAWN TO SCALE	DRAWN BY CADD
	CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64		PEORIA	186	182
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



- ① Spacing 80 ft. (24 m) max. for first 400 ft. (122 m) or curve spacing shown in Standard 635001, whichever is less (min. 4 reflectors regardless of length).
- ② After 400 ft. (122 m), transition to normal delineator spacing shown in Standard 635001, and continue as required.

**ONE-WAY TRAFFIC**



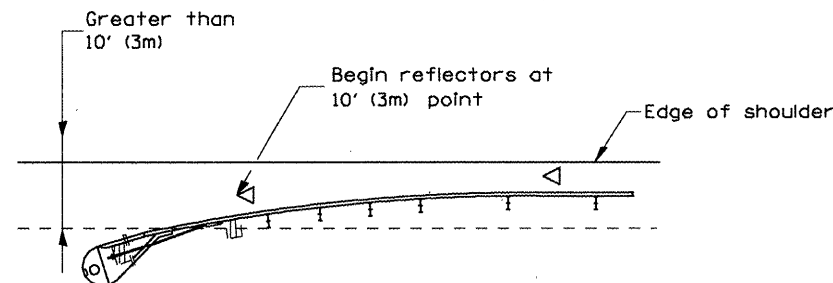
- ③ Bidirectional silver/silver should be used in lieu of monodirectional silver on both sides of two-lane bridges where the bridge pavement is less than 24 (610) wider than the pavement approaching the bridge.

**TWO-WAY TRAFFIC**

**GUARDRAIL / BARRIER WALL / BRIDGE RAIL REFLECTORS**

**LEGEND**

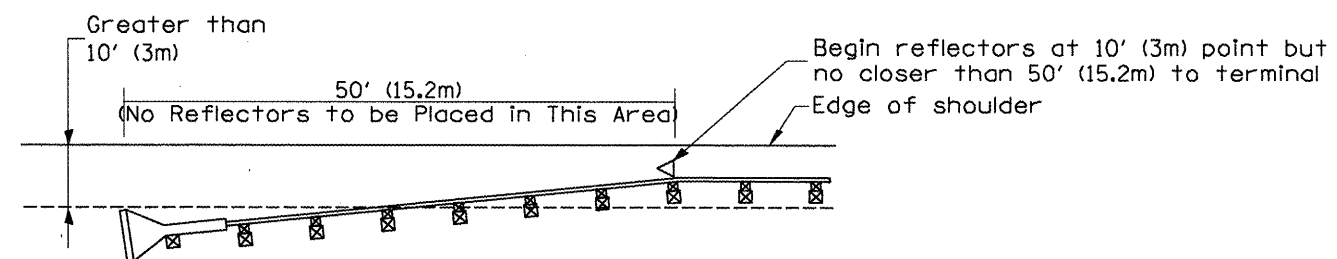
- ◁ Monodirectional silver
- ◄ Monodirectional amber
- ◄ Terminal Marker - Black/Yellow  
Left or Right as appropriate



NOTE: Omit terminal marker when terminal over 10' (3m) from edge of paved shoulder or break point of unpaved shoulder, or when terminal buried in backslope.

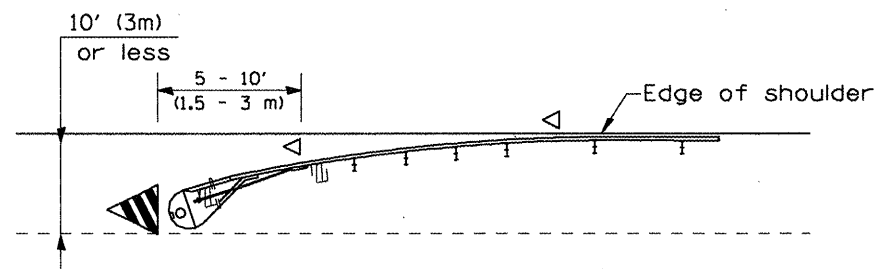
**Traffic Barrier Terminal Type(\*) and/or Turned-Down Terminal**

[Terminal over 10' (3m) from edge of shoulder]  
•See Plans for Type



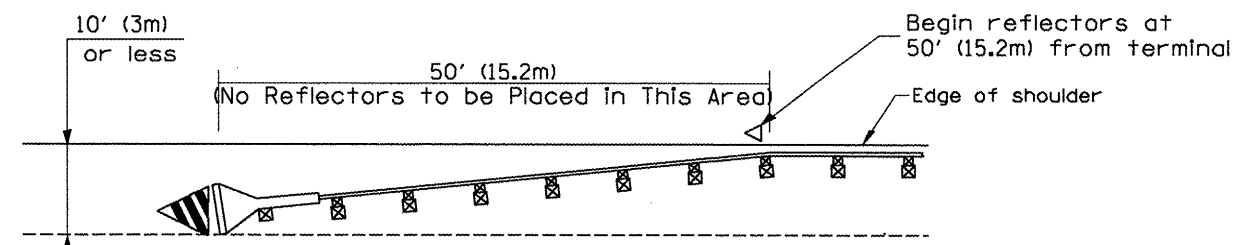
NOTE: Omit terminal marker when terminal over (10') from edge of paved shoulder or break point of unpaved shoulder.

**Traffic Barrier Terminal Type I (Special)**  
[Terminal over 10' (3m) from edge of shoulder]



**Traffic Barrier Terminal Type(\*) and/or Turned-Down Terminal**

[Terminal over 10' (3m) or less from edge of shoulder]  
•See Plans for Type



**Traffic Barrier Terminal Type I (Special)**  
[Terminal 10' (3m) or less from edge of shoulder]

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

**ILLINOIS DEPARTMENT OF TRANSPORTATION  
DISTRICT CADD STANDARD**

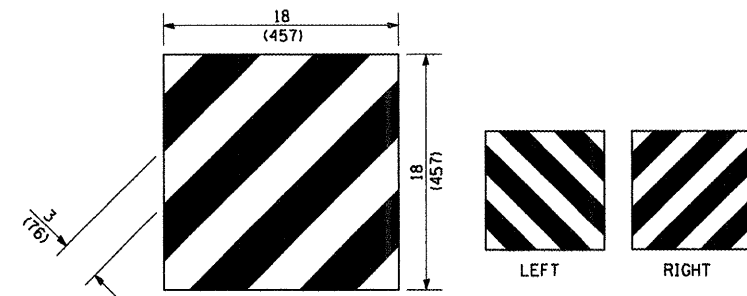
**GUARDRAIL AND  
BARRIER WALL DELINEATION**

CADD STD. NO. 635101-D4 SHEET 1 OF 3  
DRAWN BY CADD  
SCALE: NOT DRAWN TO SCALE CHECKED BY

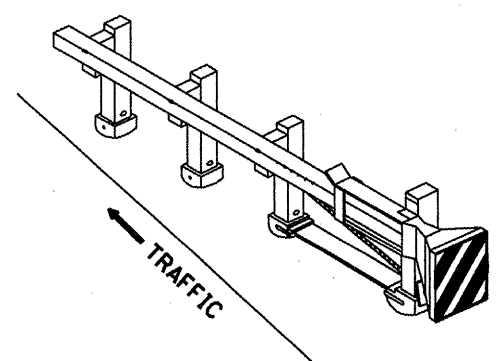
DATE	REVISIONS	BY
1-1-97	RENJM, E-10.02, NEW REVISION BOX	T.P.
3-1-97	CORRECT STD. SPEC. *	J.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

**TERMINAL MARKER PLACEMENT**

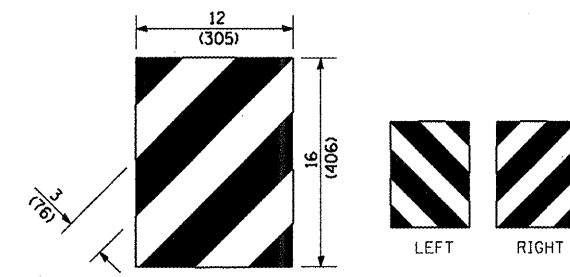
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	*	PEORIA	186	183
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



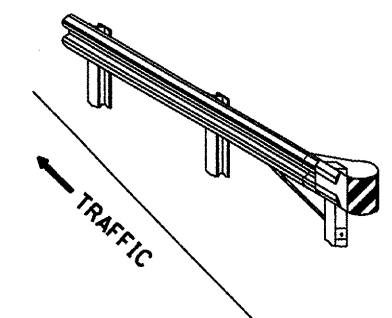
For Traffic Barrier Terminal Type 1 (Special)



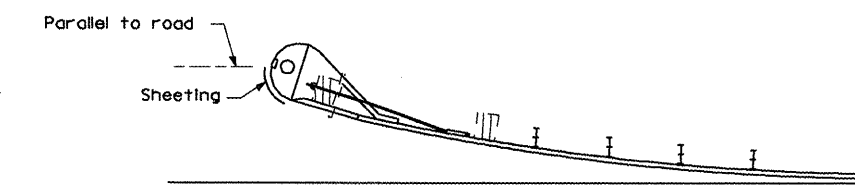
Standard Treatment - Direct Applied Sheeting  
Traffic Barrier Terminal Type 1 (Special)



For Traffic Barrier Terminal Type (\*)  
and Post Mount  
• See Plans for Type



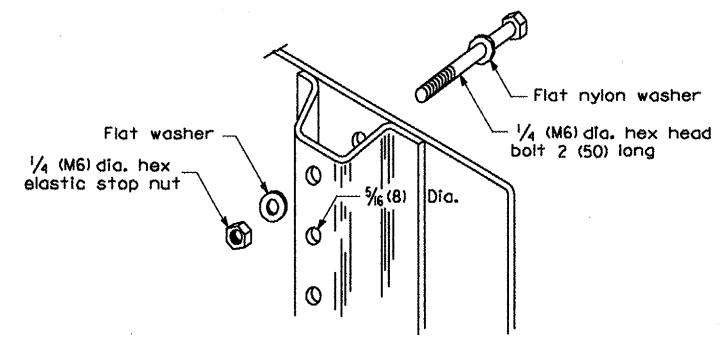
Standard Treatment - Direct Applied Sheeting  
Traffic Barrier Terminal Type (\*)  
• See Plans for Type



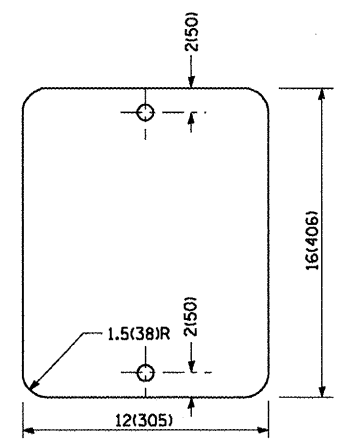
Sheeting Position for  
Traffic Barrier Terminal Type (\*)  
• See Plans for Type

**TERMINAL MARKER DETAILS**

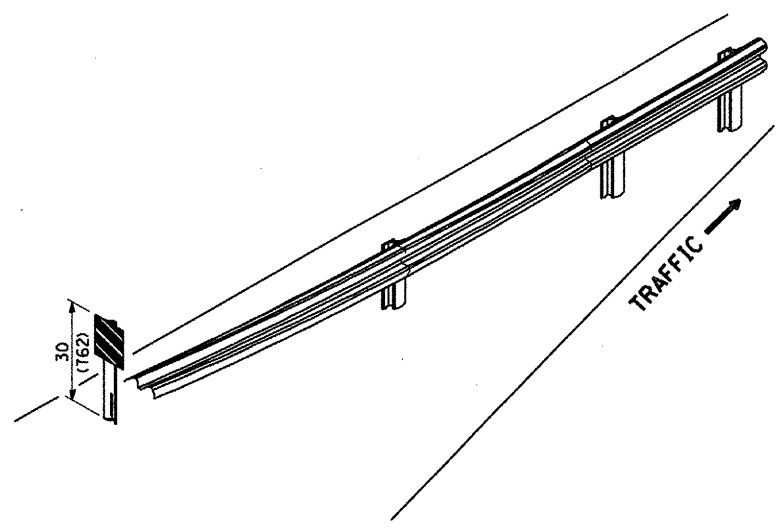
- Color: Black / Yellow reflectorized
- OM - 1100 (L or R) Direct applied reflective sheeting
- OM - 1200 (L or R) Post mounted



DETAIL OF MOUNTING TERMINAL MARKER TO POST



STANDARD TERMINAL MARKER



ALTERNATE TREATMENT - POST MOUNTED  
(For turned-down terminal where sheeting cannot be direct applied)

**TERMINAL MARKER TREATMENTS**

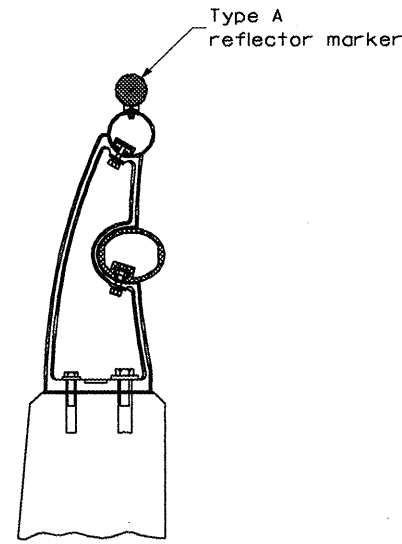
**POST MOUNTED TERMINAL MARKER ASSEMBLY**

**GENERAL NOTES**

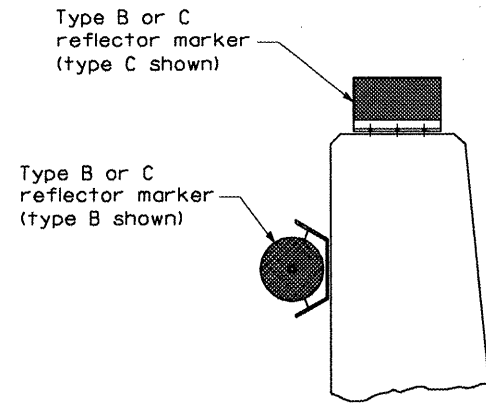
All dimensions are in inches (millimeters) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT CADD STANDARD	
GUARDRAIL AND BARRIER WALL DELINEATION	
CADD STD. NO. 635101-D4	SHEET 2 OF 3
SCALE: NOT DRAWN TO SCALE	DRAWN BY CADD
	CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	*	PEORIA	186	184
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

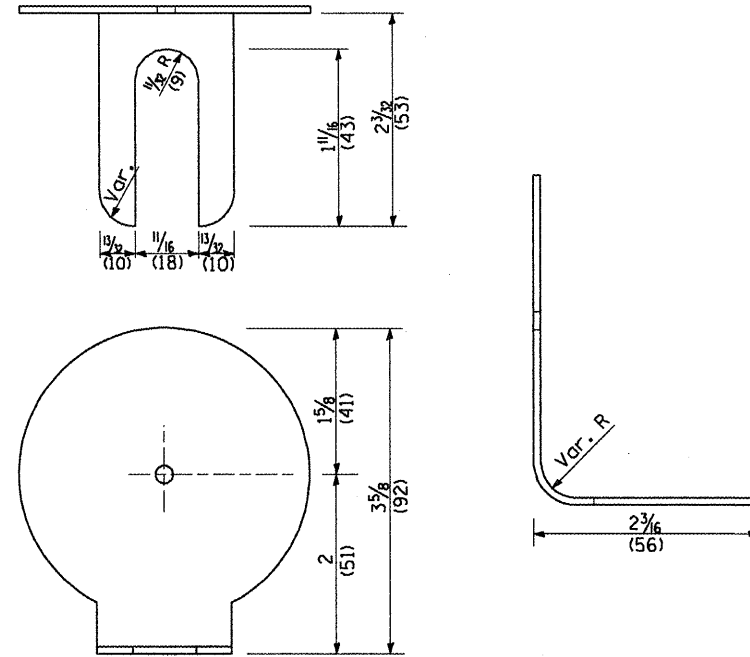


**TYPICAL MOUNTING DETAIL FOR BRIDGE RAIL REFLECTOR**



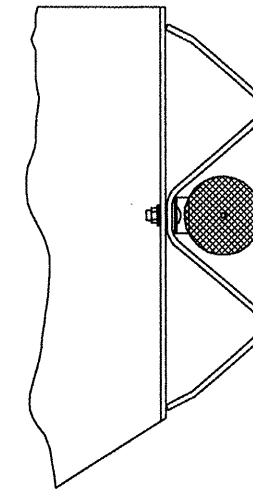
**TYPICAL MOUNTING DETAIL FOR BARRIER WALL REFLECTOR**

**REFLECTOR MOUNTING**

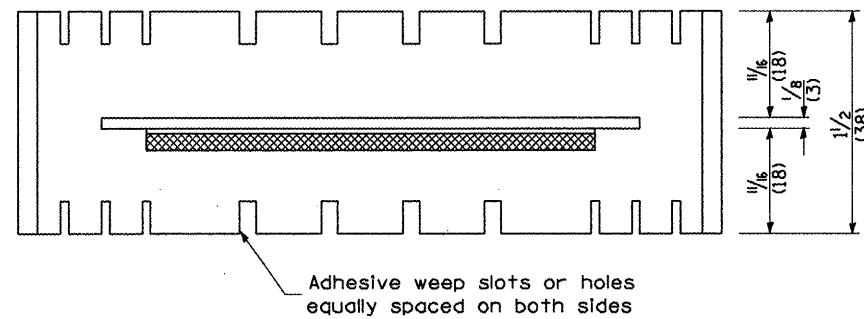


**REFLECTOR MARKER TYPE A**

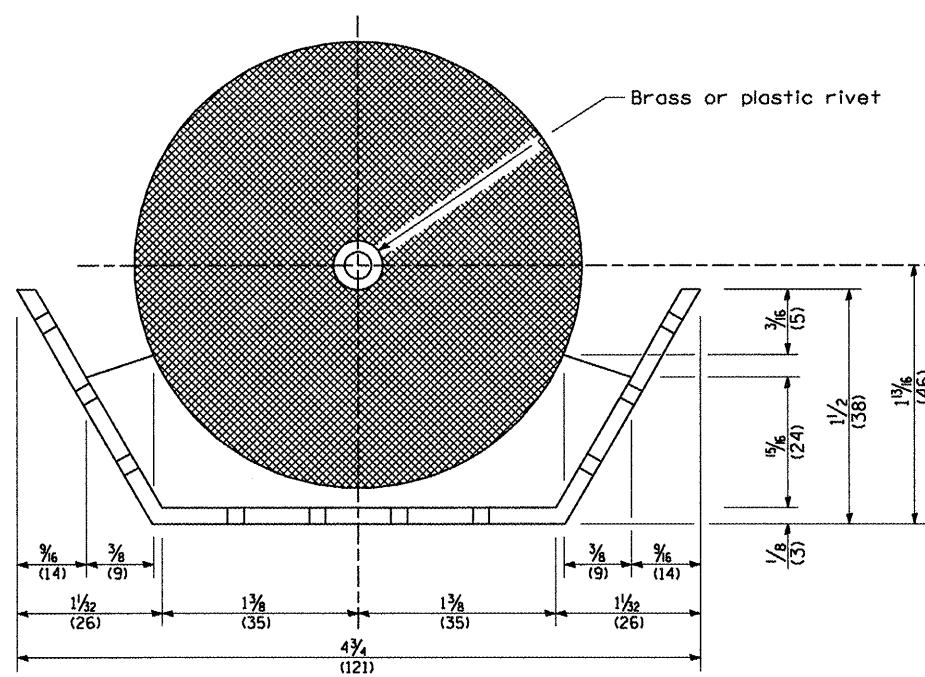
Min. reflective area 6 1/2 sq. in. (4,194 mm<sup>2</sup>) each side. May be rectangular or slight trapezoid.



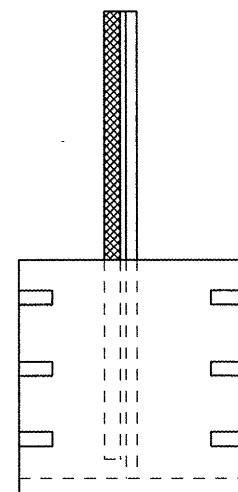
**TYPICAL GUARDRAIL MOUNTING WITH REFLECTOR MARKER TYPE A**



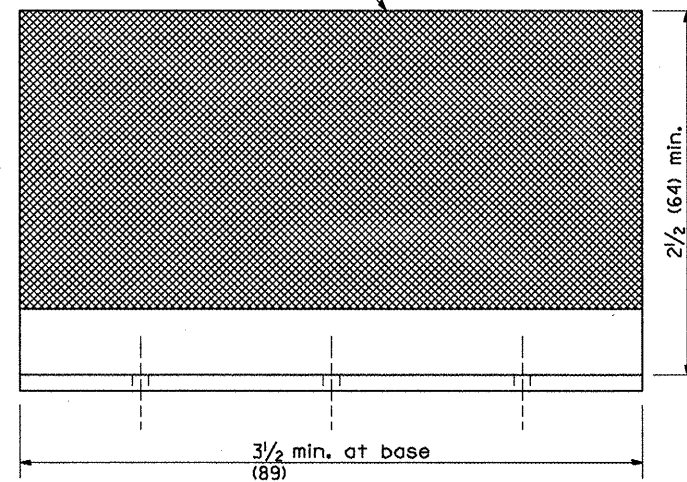
Adhesive weep slots or holes equally spaced on both sides



**REFLECTOR MARKER TYPE B**



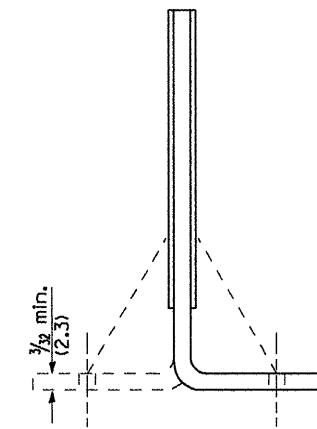
Brass or plastic rivet



**REFLECTOR MARKER TYPE C**

3 min. adhesive weep holes or slots each side, variable spacing.

Minimum total area of base 7.0 Sq. In. (4,516 mm<sup>2</sup>)



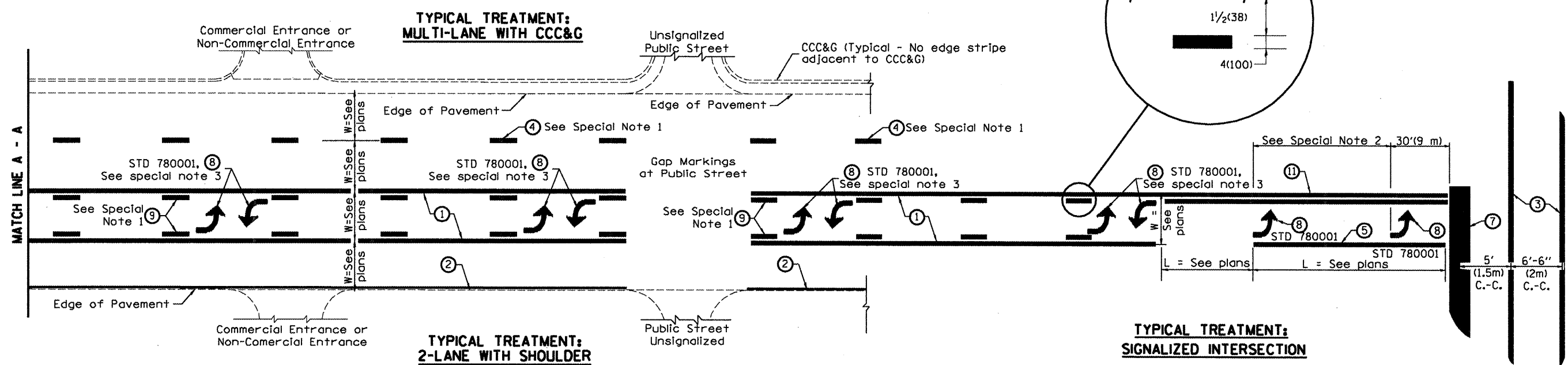
Cross section may be "T" or "L" shaped and may have side supports at ends.

**REFLECTORS**

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

ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT CADD STANDARD	
GUARDRAIL AND BARRIER WALL DELINEATION	
CADD STD. NO. 635101-D4	SHEET 3 OF 3
SCALE: NOT DRAWN TO SCALE	DRAWN BY CADD
	CHECKED BY

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64		PEORIA	186	185
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



**FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION**

**TYPICAL PAVEMENT MARKING LEGEND**

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)  
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A) 45°
- ⑪ 4(100) Double Solid (Yellow) 11(280) C.-C. See Table A

**SPECIAL NOTES**

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
  - A. A minimum of two (2) arrows is required.
  - B. The maximum spacing between arrows is 80' (24 m).
  - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
  - A. A minimum of two (2) arrow pairs is required.
  - B. The maximum spacing between arrow pairs is 200' (61 m).
  - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
  - D. The spacing between BI Directional Left Turn Arrows is 33' (10 m).

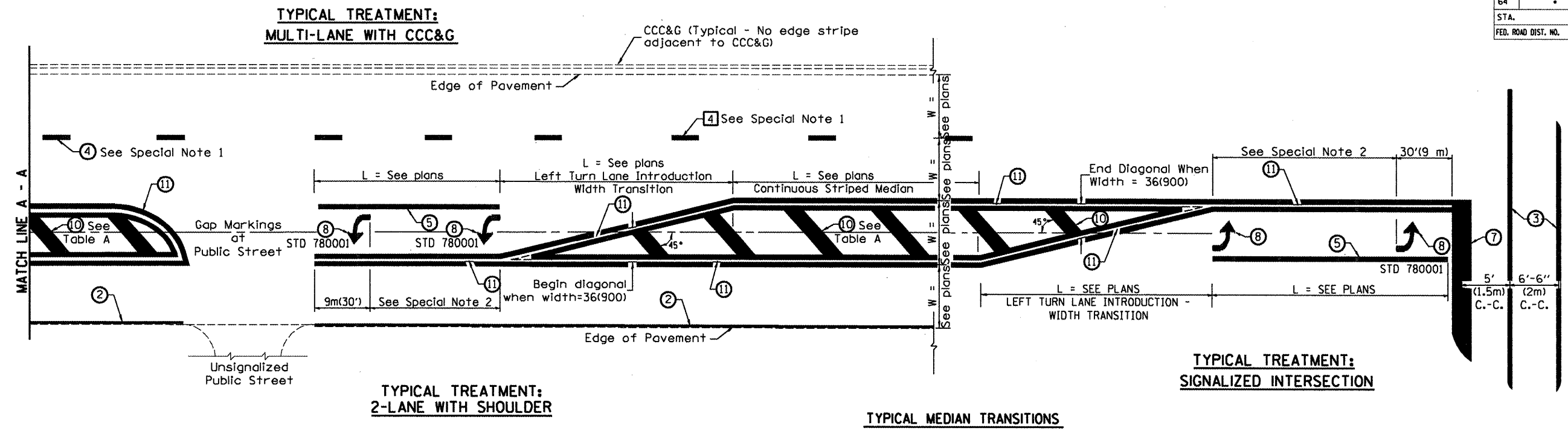
**GENERAL NOTES**

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DISTRICT CADD STANDARD**  
**TYPICAL PAVEMENT MARKINGS**  
 CADD STANDARD 780001-D4 SHEET 1 OF 2  
 SCALE: NOT DRAWN TO SCALE DRAWN BY CADD CHECKED BY

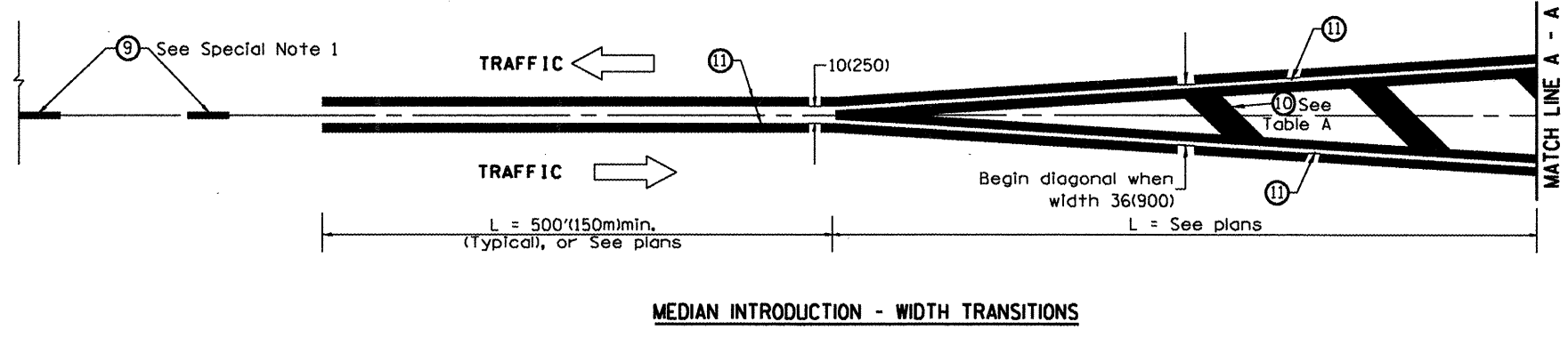
DATE	REVISIONS	BY
1-1-97	RENUM. F-8.03, NEW REVISION BOX	T.P.
2-7-97	ADD BI DIRECTIONAL DIMENSION	J.A.
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.
8-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.



FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

**TABLE A**  
RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	CONTINUOUS	INTERSECTION CHANNELIZATION
		(Includes Width Transitions for Median and Left Turn Lane Introductions)
Less Than 30 mph (50 km/h)	50' (15m)	15' (5m)
30 - 45 mph (50 - 70 km/h)	75' (23m)	20' (6m)
Over 45 mph (70 km/h)	150' (46m)	30' (9m)



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

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DISTRICT CADD STANDARD**

**TYPICAL PAVEMENT MARKINGS**

CADD STANDARD 780001-D4 SHEET 2 OF 2  
SCALE: NOT DRAWN TO SCALE DRAWN BY CADD CHECKED BY