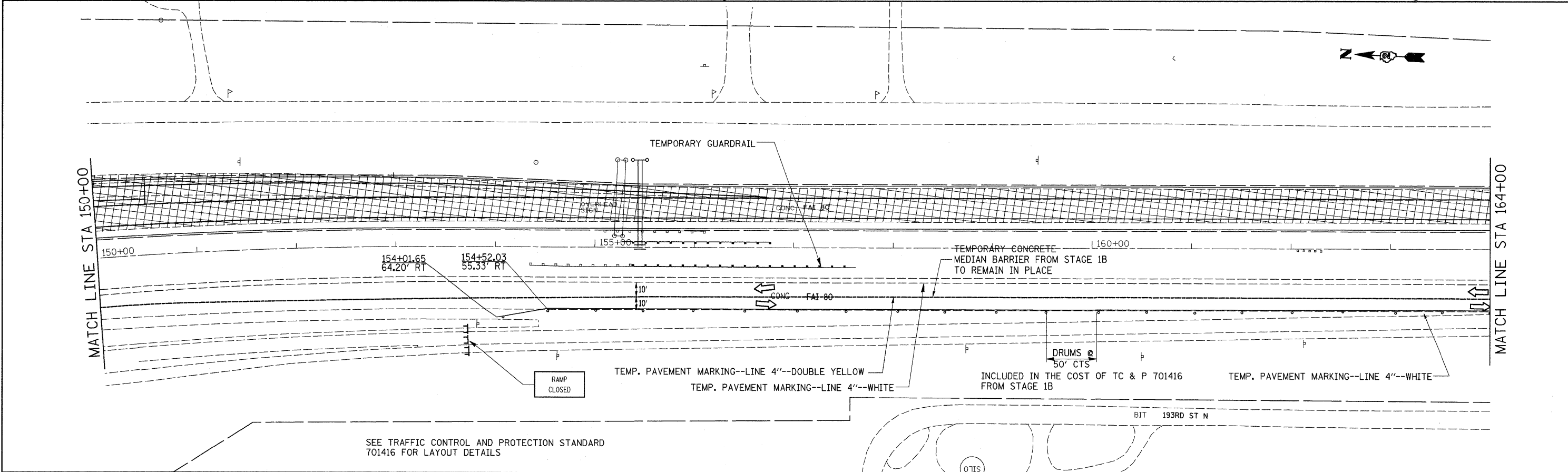
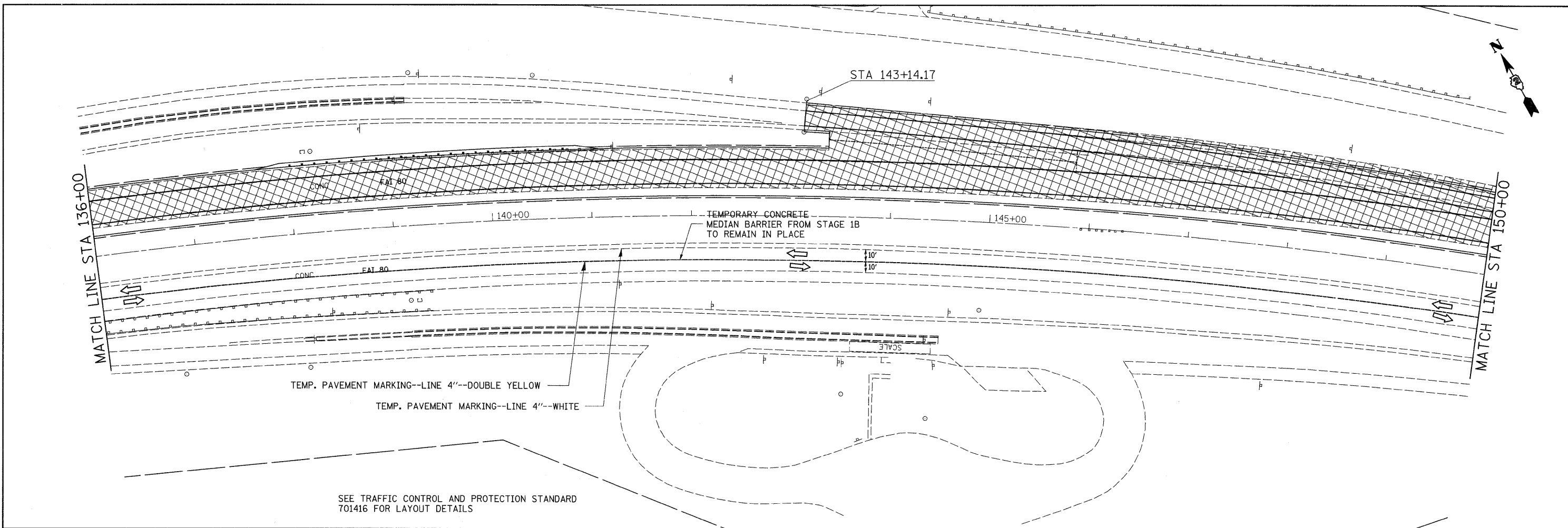
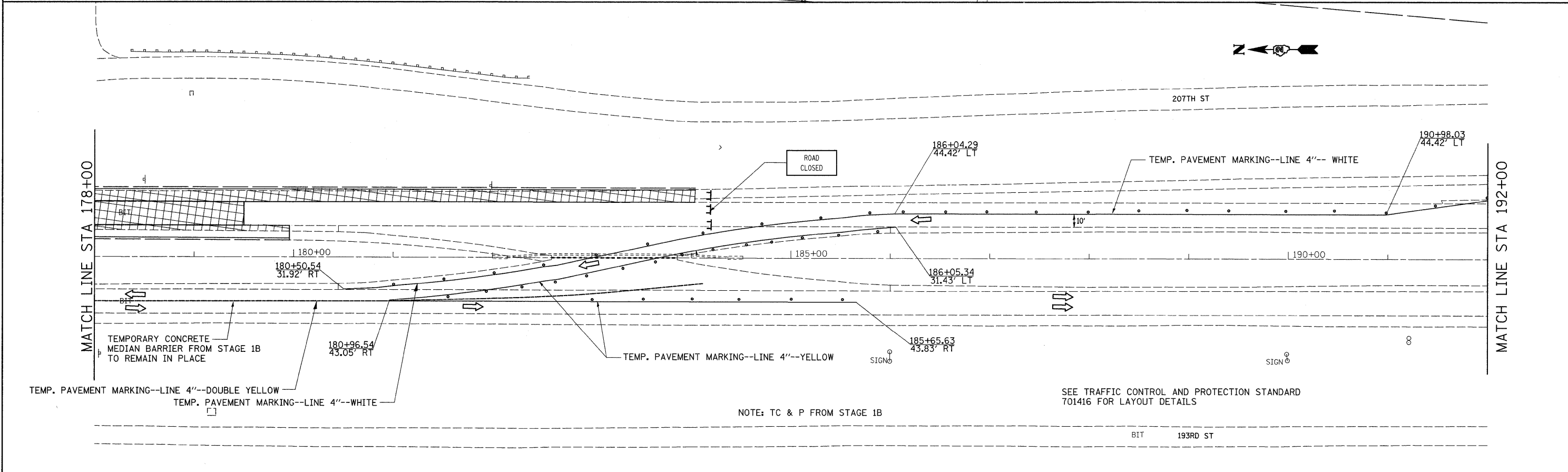
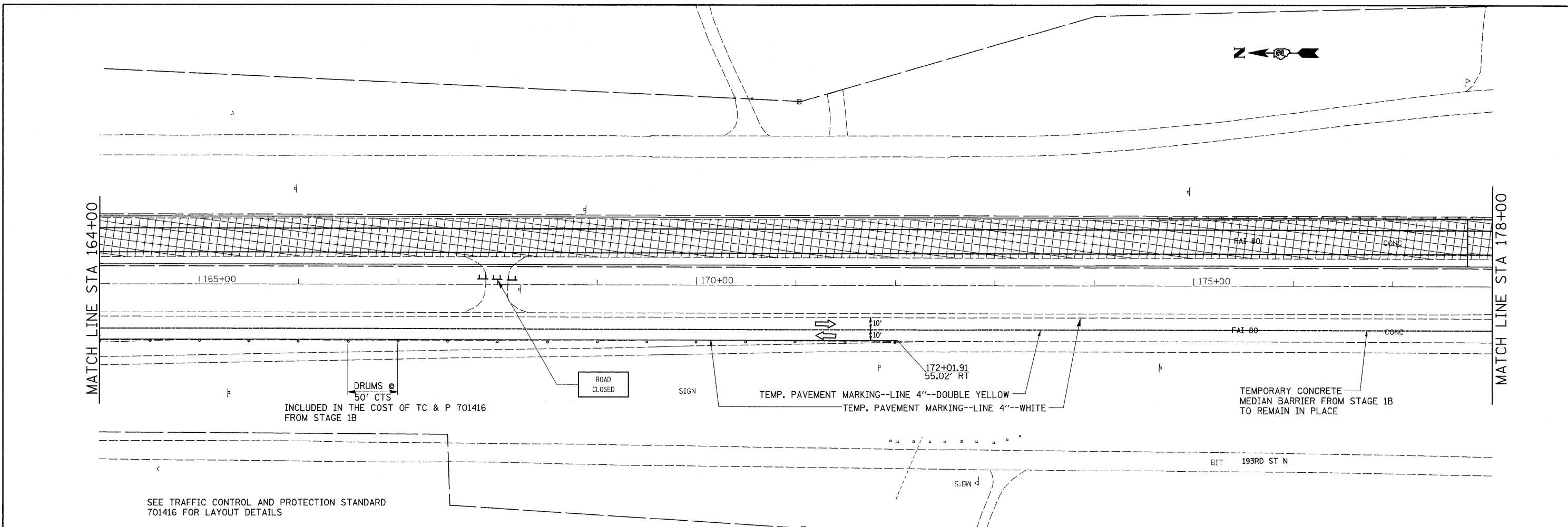


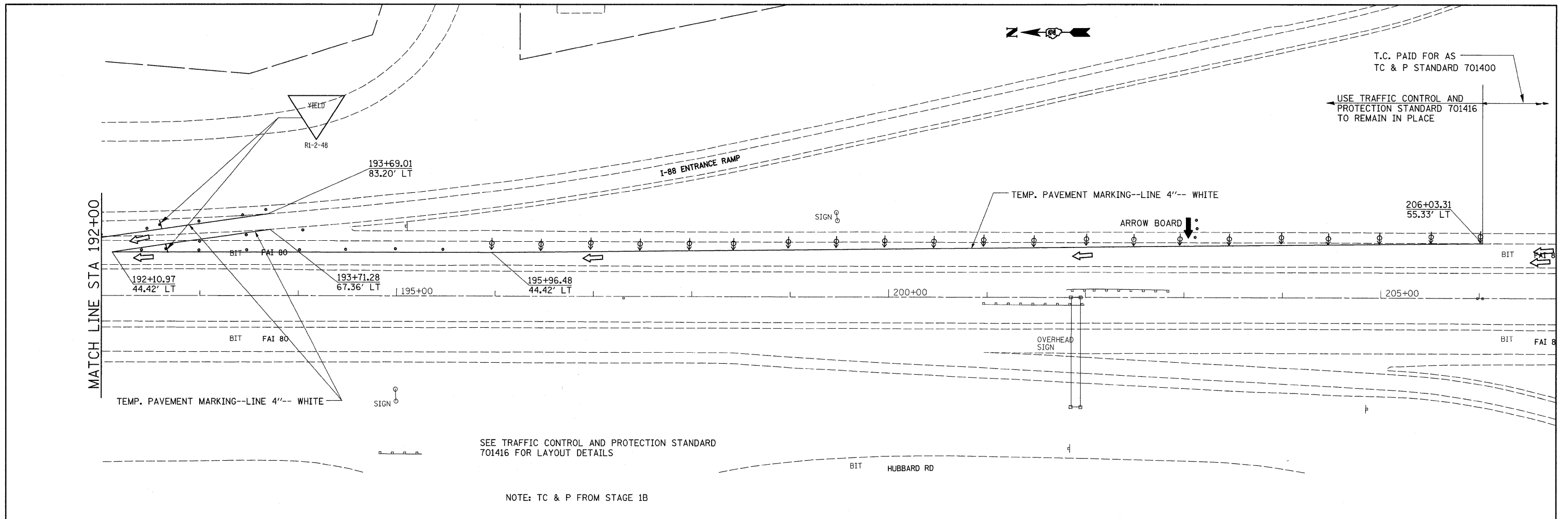
FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1D			F.A. RTE. 80	SECTION (81-1) R-1	COUNTY ROCK ISLAND	TOTAL SHEETS 292	SHEET NO. 103
os\pw_work\pwsdot\grantpm\dms34287\d08403stgsh2.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 64933	
		CHECKED -	REVISED -								ILLINOIS FED. AID PROJECT	
		DATE -	REVISED -									



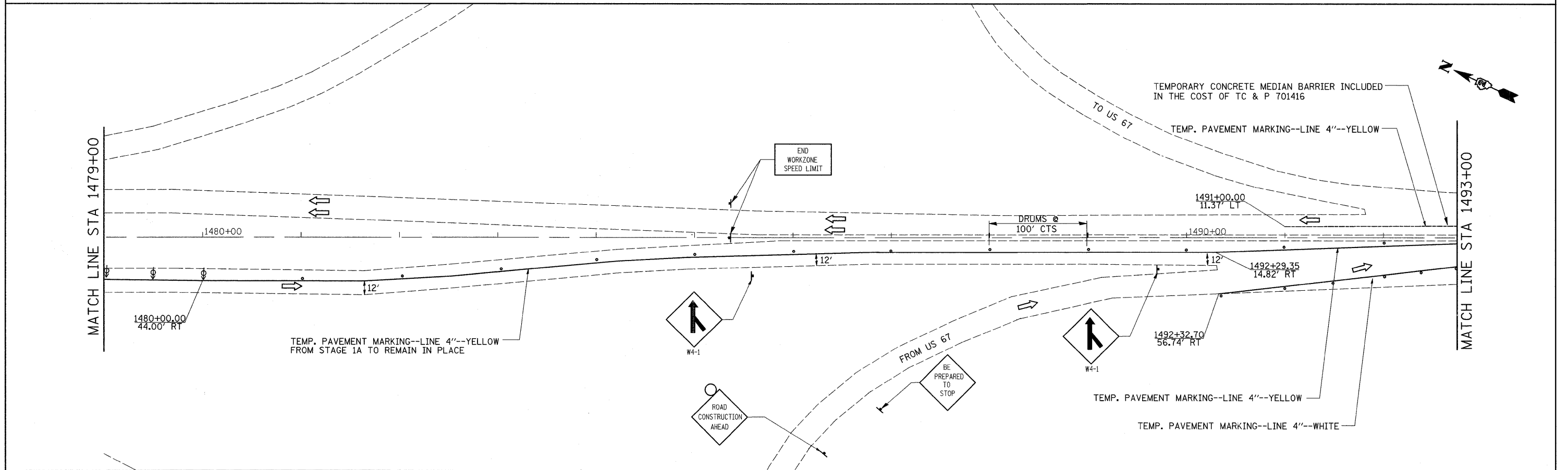
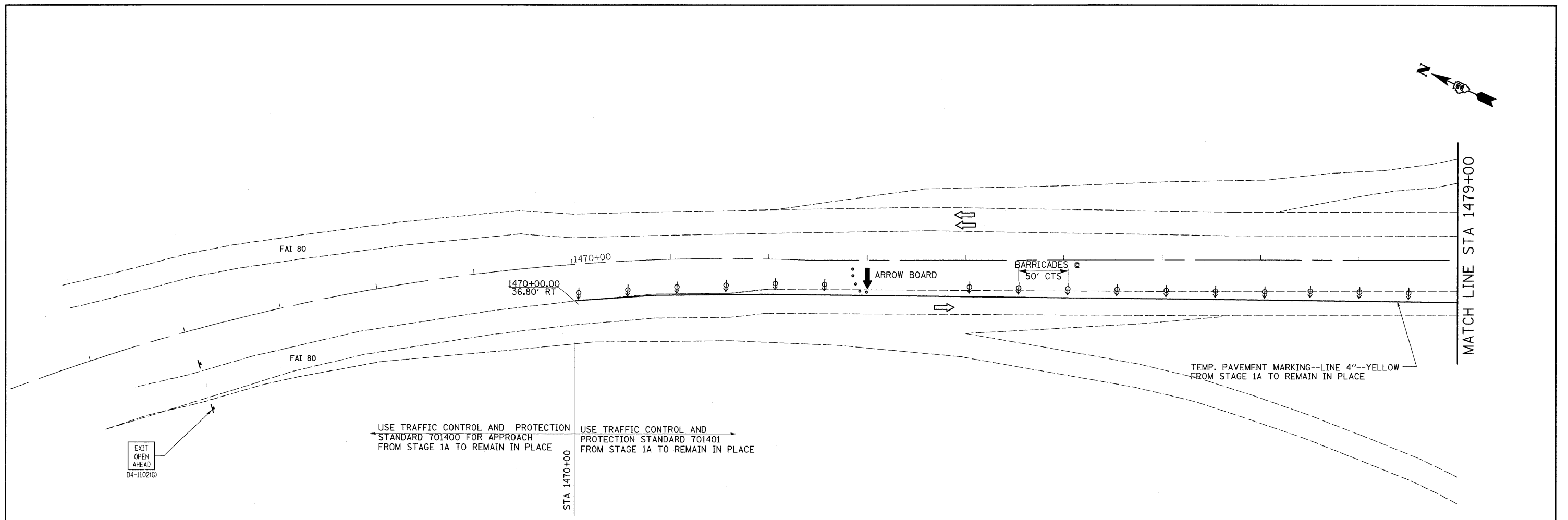
FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1D	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\pwsidot\grantpm\dms34287\d08403stgsh t2.dgn	DRAWN -	REVISED -	80			(61-1) R-1	ROCK ISLAND	292	104	
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 64933							
PLOT DATE = Mon Dec 15 08:42:16 2008	DATE -	REVISED -	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT							
SCALE:						SHEET NO.	OF	SHEETS	STA.	TO STA.



FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1D			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cr:\pw_work\p\dot\grantpm\dms34287\d08403stgsh2.dgn	DRAWN -	REVISED -	80					(81-1) R-1	ROCK ISLAND	292	105	
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 64933									
PLOT DATE = Mon Dec 15 08:42:17 2008	DATE -	REVISED -	SCALE:		SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

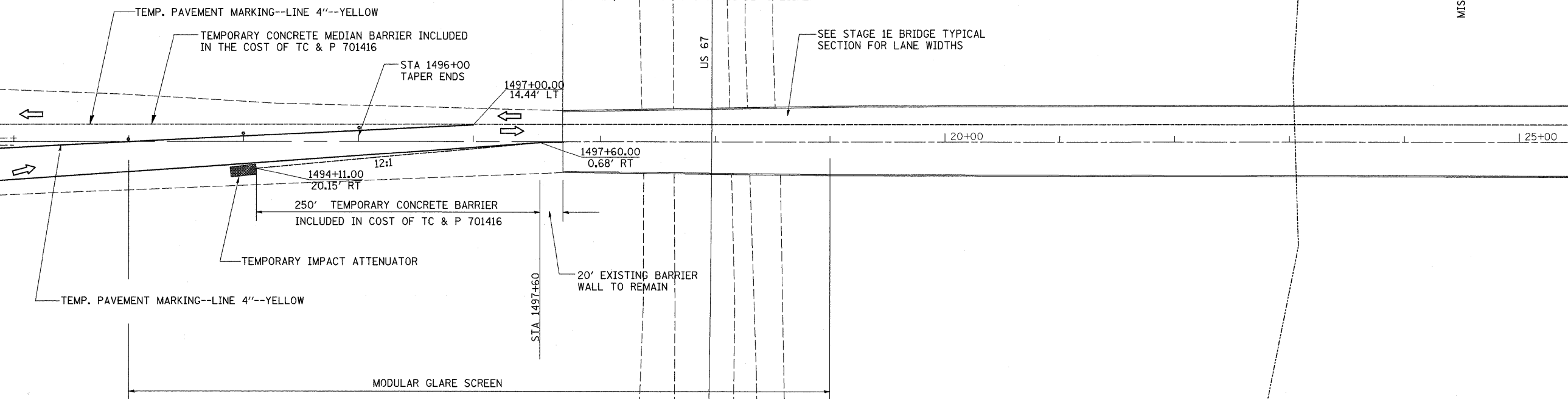


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	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -						80	(81-1) R-1	ROCK ISLAND	292	106
	PLOT DATE = Mon Dec 15 08:42:18 2008	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
									CONTRACT NO. 64933				



FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1E IN IOWA			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
os:\pwork\pwork\grantpm\dms34287\d08403stgsh2.dgn	DRAWN -	REVISED -	80					(81-1)R-1	ROCK ISLAND	292	107	
PLOT SCALE = 58.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 64933									
PLOT DATE = Mon Dec 15 08:42:18 2008	DATE -	REVISED -	ILLINOIS FED. AID PROJECT									
				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.			

MATCH LINE STA 1493+00



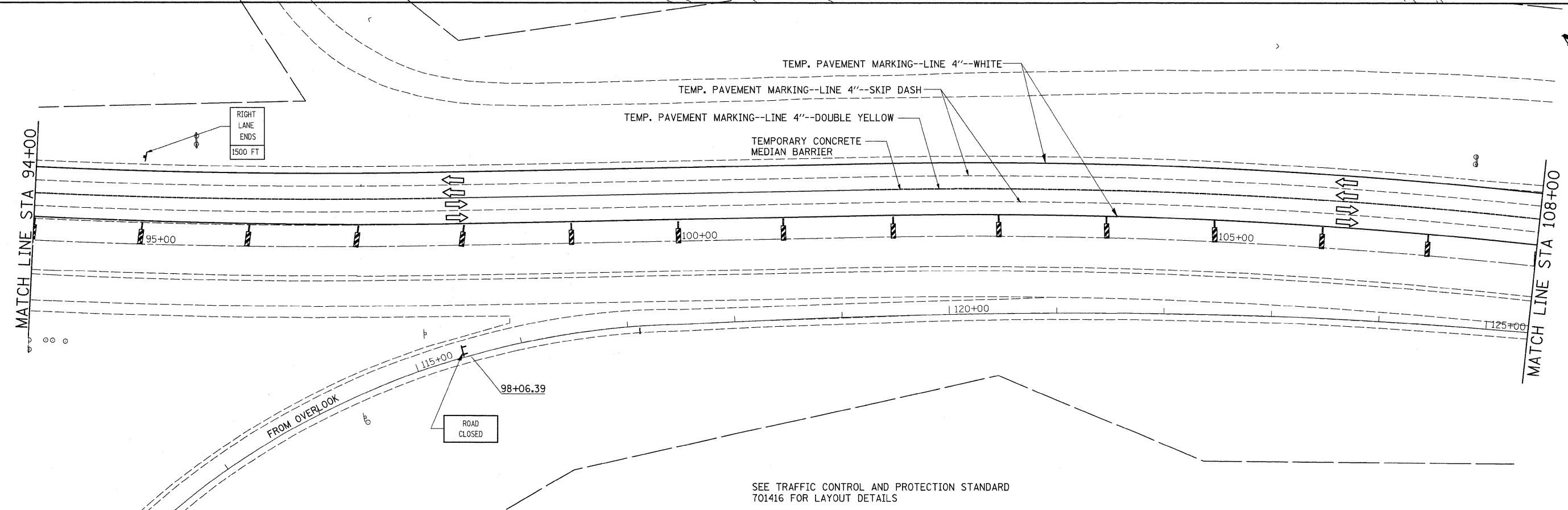
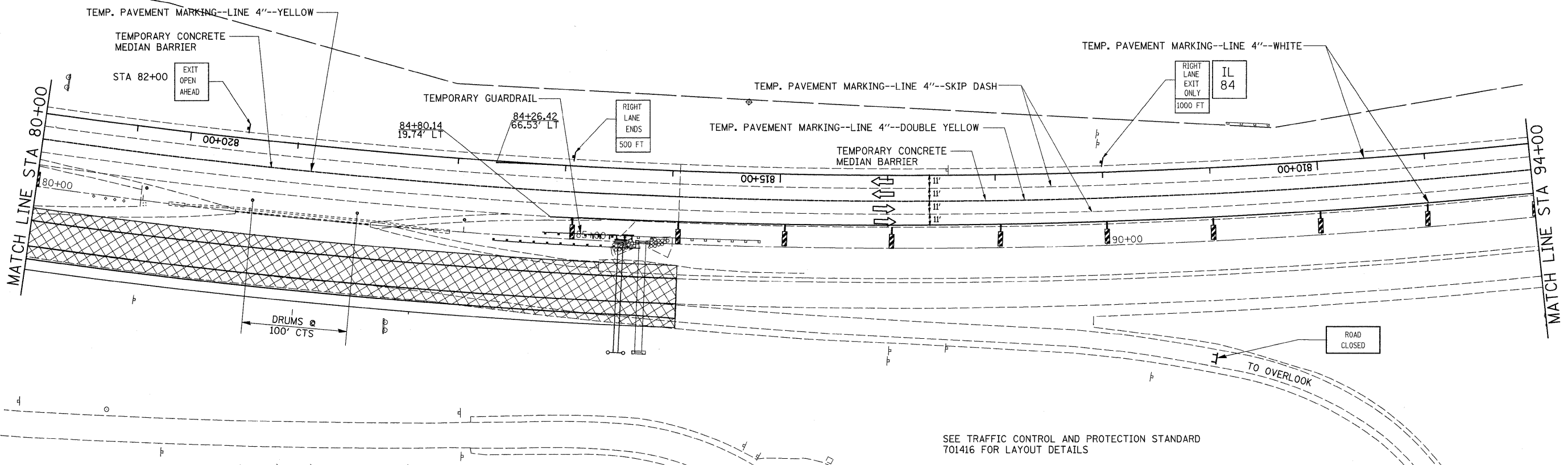
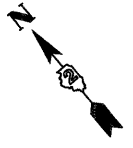
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ct:\pw_work\pwsidot\grantpm\dms34287\d08403stgsh2.dgn		DRAWN -	REVISED -
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = Mon Dec 15 08:42:18 2008		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

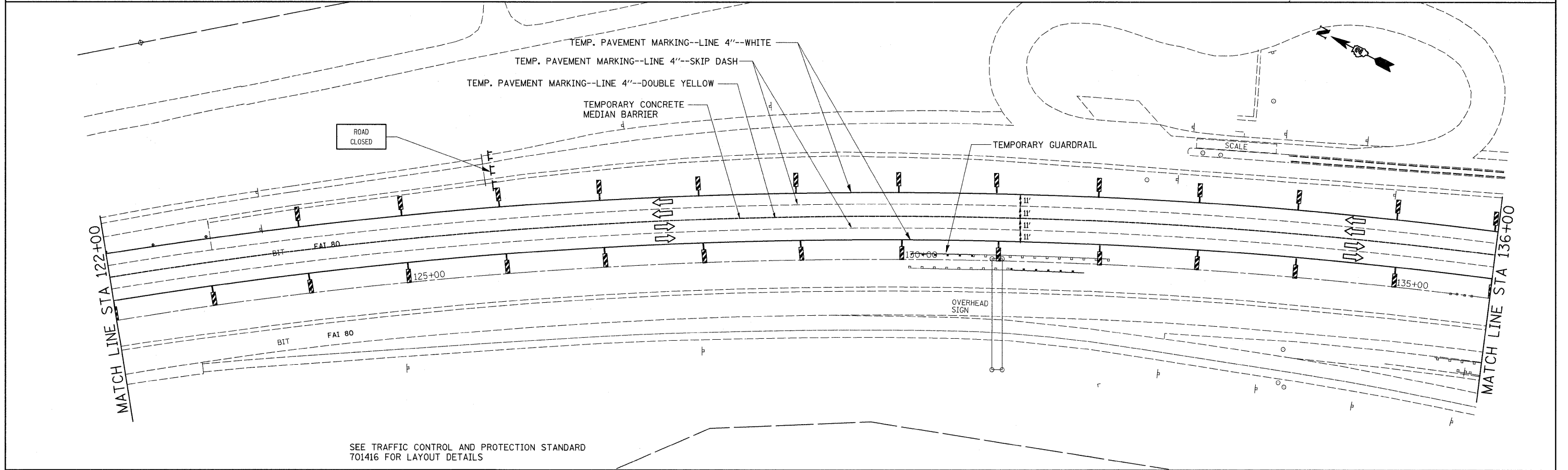
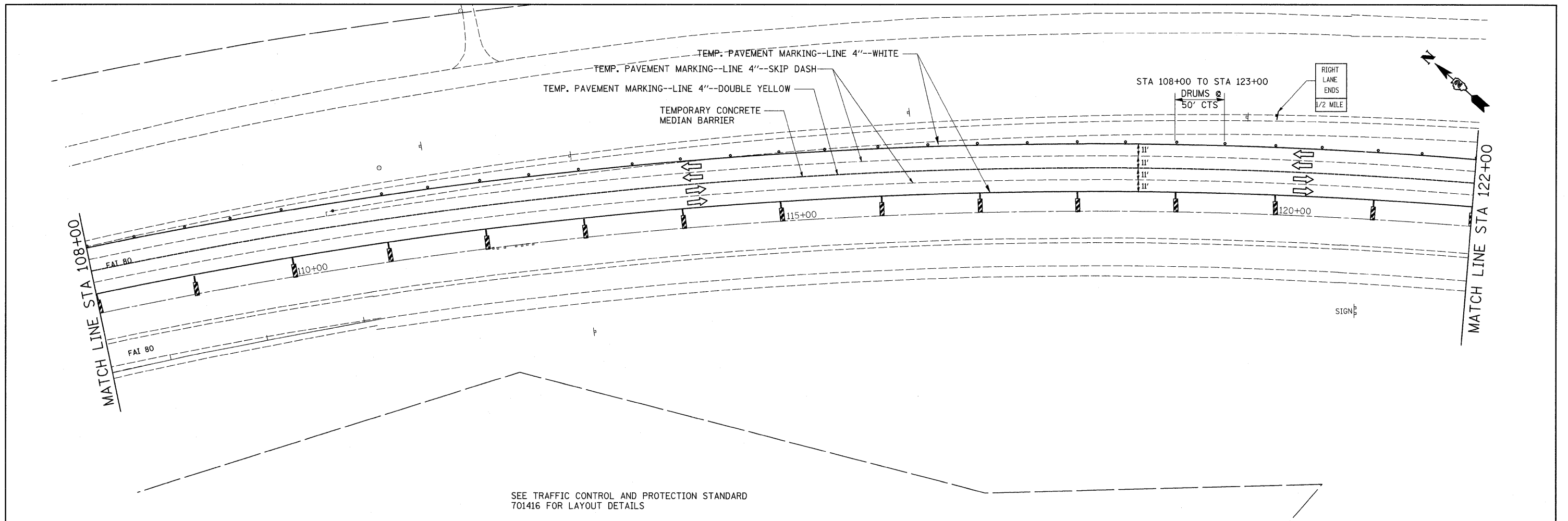
STAGE 1E IN IOWA

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

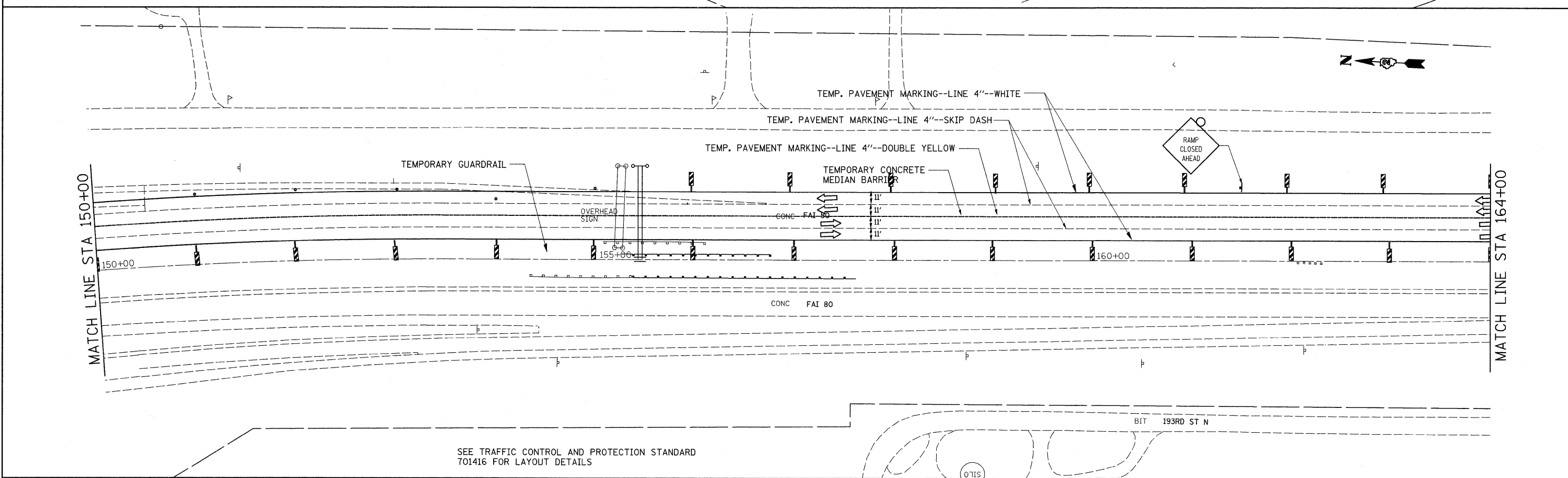
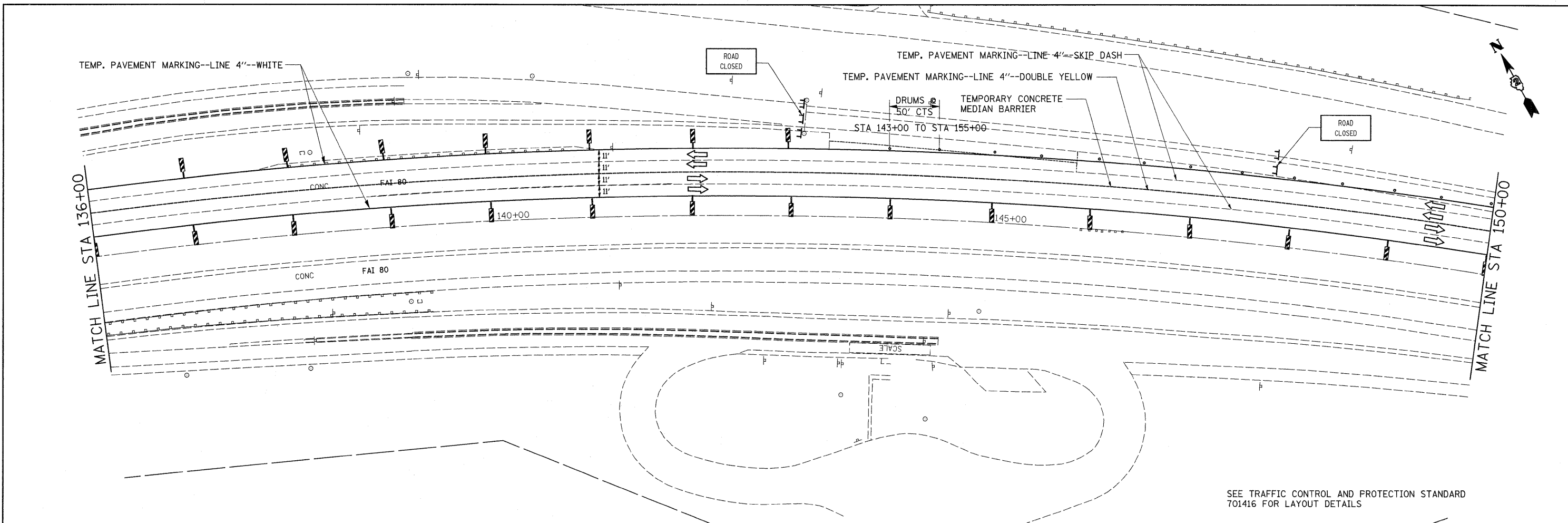
F.A.I. RTE. 80	SECTION (81-1)R-1	COUNTY ROCK ISLAND	TOTAL SHEETS 292	SHEET NO. 108
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64933	



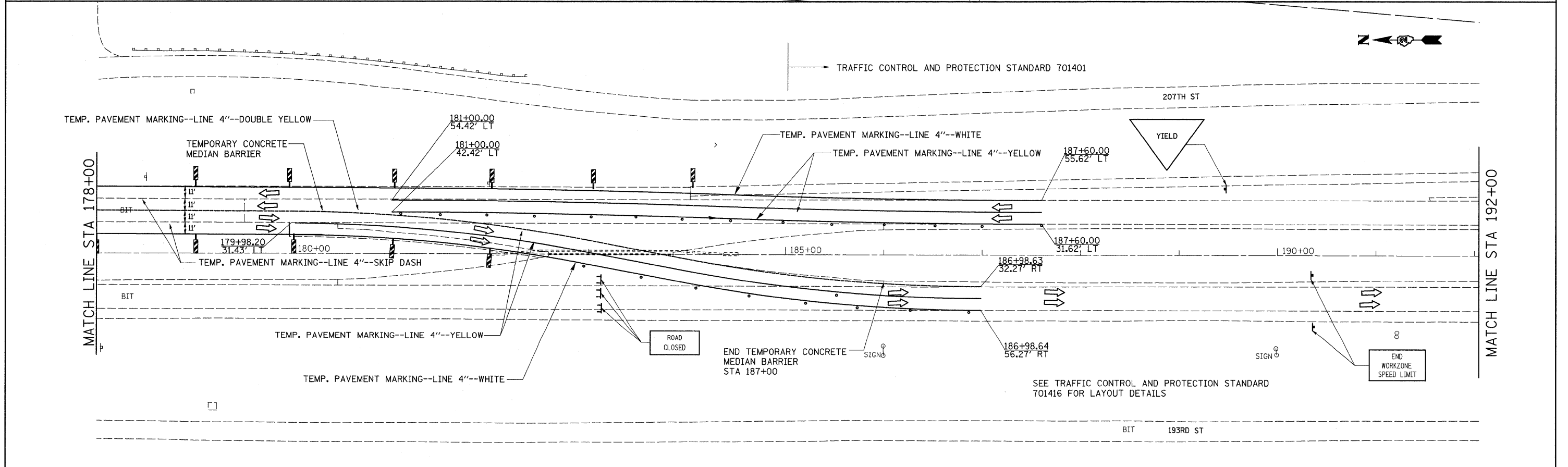
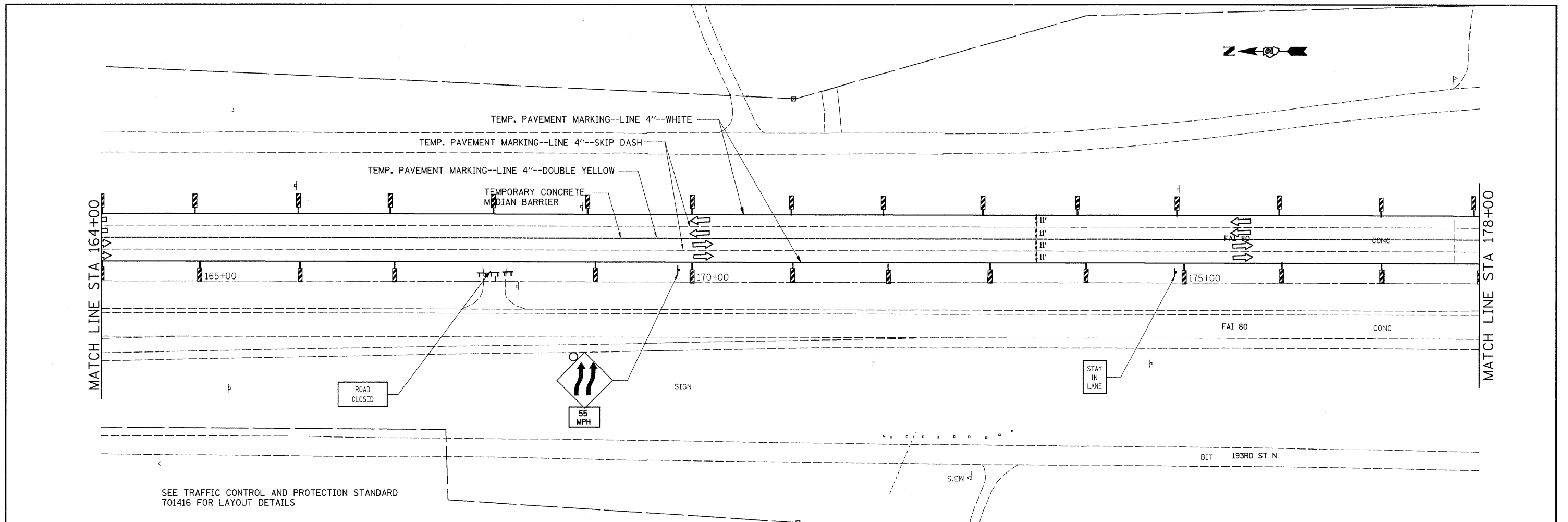
FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1E			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\p1dot\grantpm\dms34287\d08	03stgsh2.dgn	DRAWN -	REVISED -					80	(81-1)R-1	ROCK ISLAND	292	110
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -					CONTRACT NO. 64933				
	PLOT DATE = Mon Dec 15 08:42:20 2008	DATE -	REVISED -					SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.



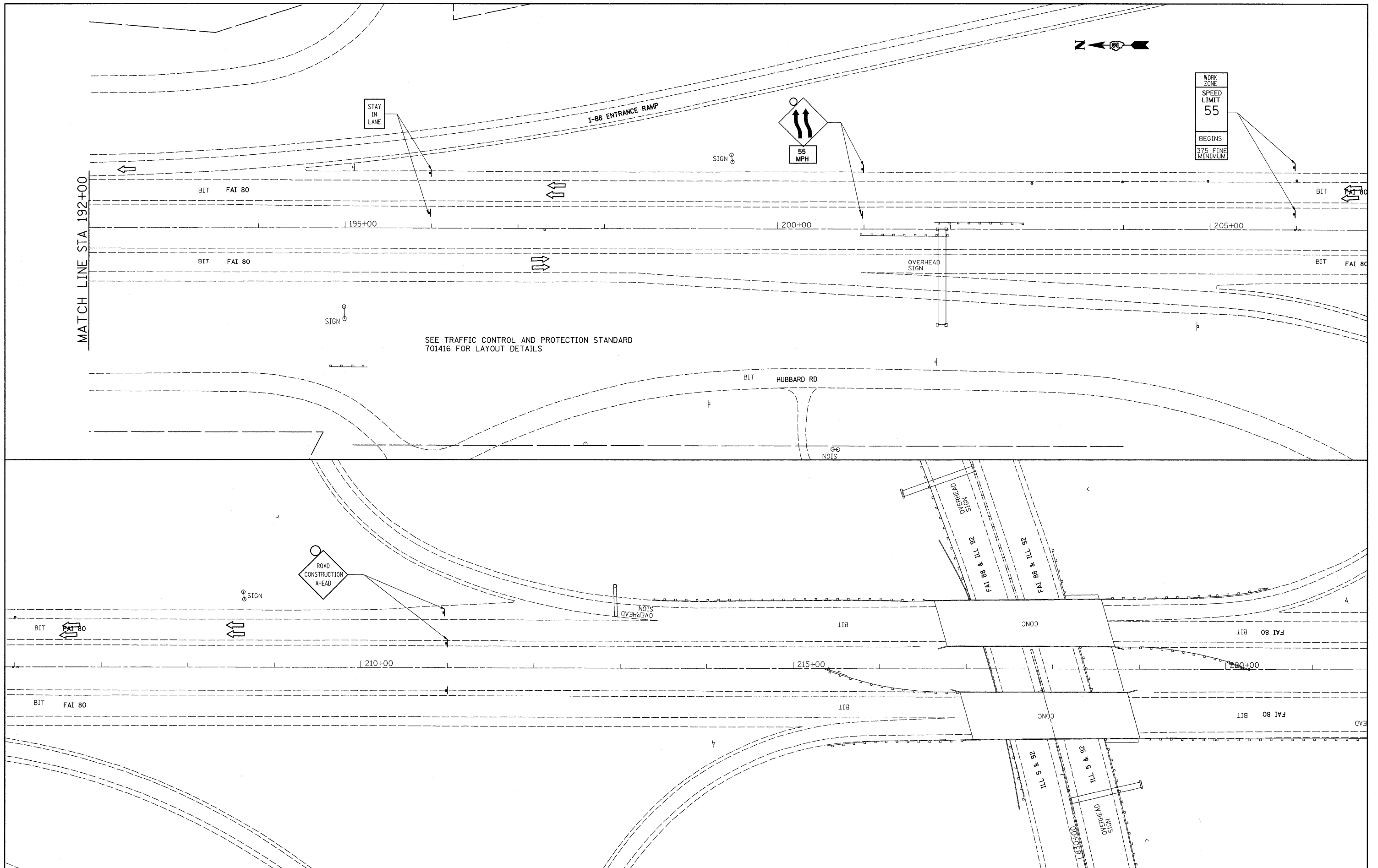
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os\pw\work\pwsdos\grantpm\dms34287\d08403stgsh.t2.dgn		DRAWN -	REVISED -			80	(81-1)R-1	ROCK ISLAND	292	111
PLOT SCALE = 50,0000' / IN.		CHECKED -	REVISED -			SCALE: SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 64933		
PLOT DATE = Mon Dec 15 08:42:21 2008		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



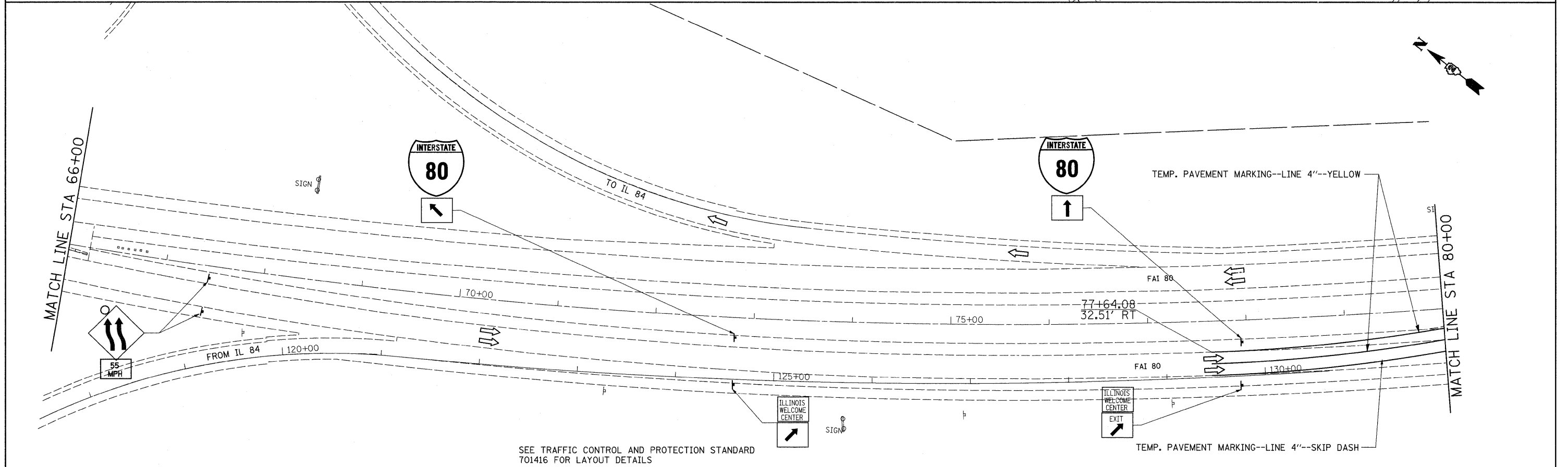
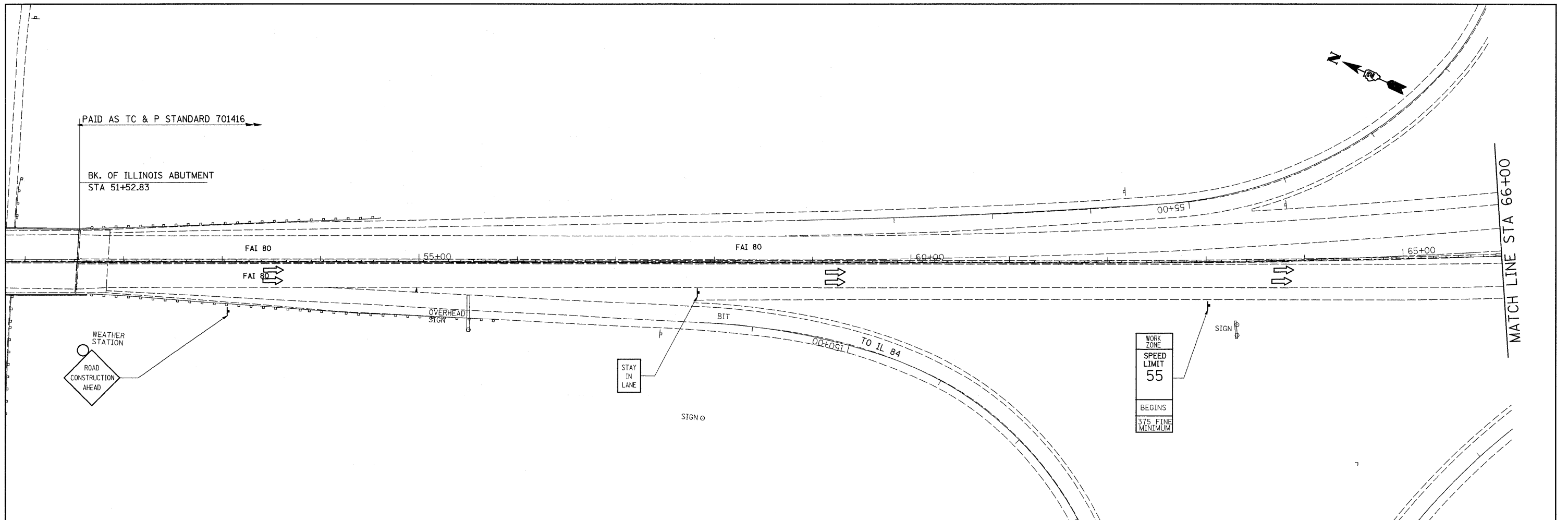
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ct:\pw_work\pwidot\grantpm\dms34287\d08403stgsh2.dgn	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -			80	(81-1)R-1	ROCK ISLAND	292	112	
	PLOT DATE = Mon Dec 15 08:42:21 2008	CHECKED -	REVISED -			SCALE: SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 64933			
		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1E			F.A.I. RTE. 80	SECTION (81-1)R-1	COUNTY ROCK ISLAND	TOTAL SHEETS 292	SHEET NO. 113
cr:\pw_work\pwidot\grantpm\dms34287\d08403stgsh2.dgn	PLOT SCALE = 58.0000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 64933
	PLOT DATE = Mon Dec 15 08:42:22 2008	CHECKED -	REVISED -									
		DATE -	REVISED -									

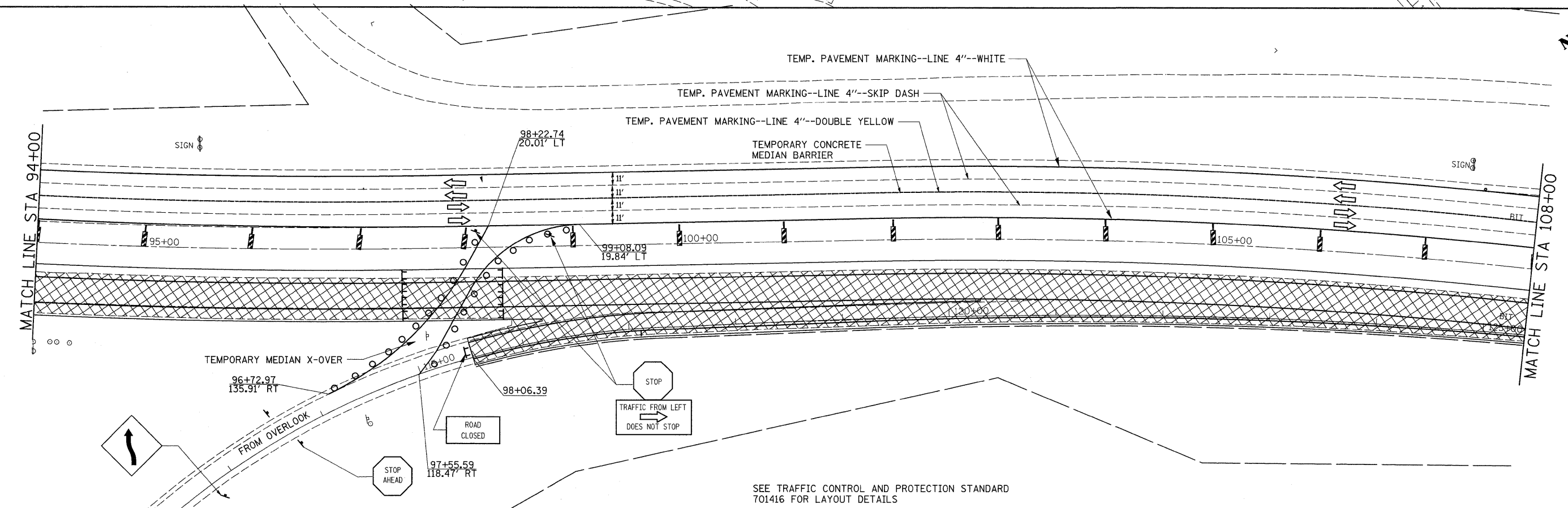
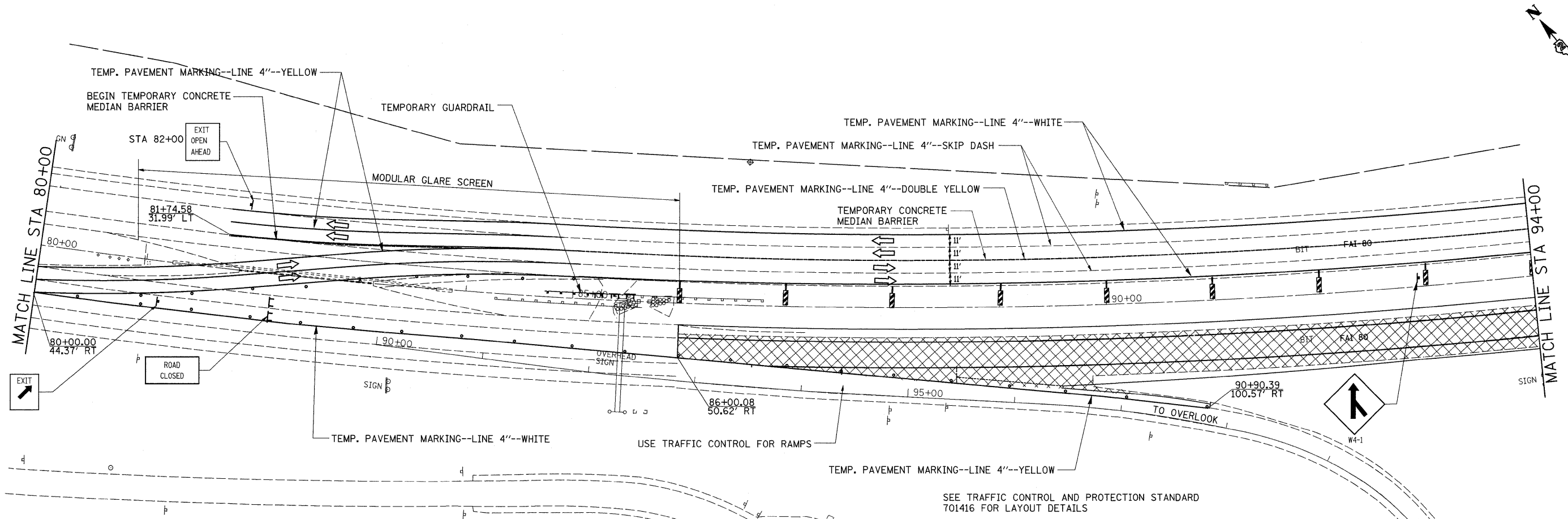


FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1E			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
os:\pw_work\p\dot\grantpm\dms34287\d08403stgah2.dgn	PLOT SCALE = 50,0000' / IN.	DRAWN -	REVISED -					80	(81-1)R-1	ROCK ISLAND	292	114
PLOT DATE = Mon Dec 15 08:42:22 2008	DATE -	CHECKED -	REVISED -					CONTRACT NO. 64933				
		DATE -	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.			



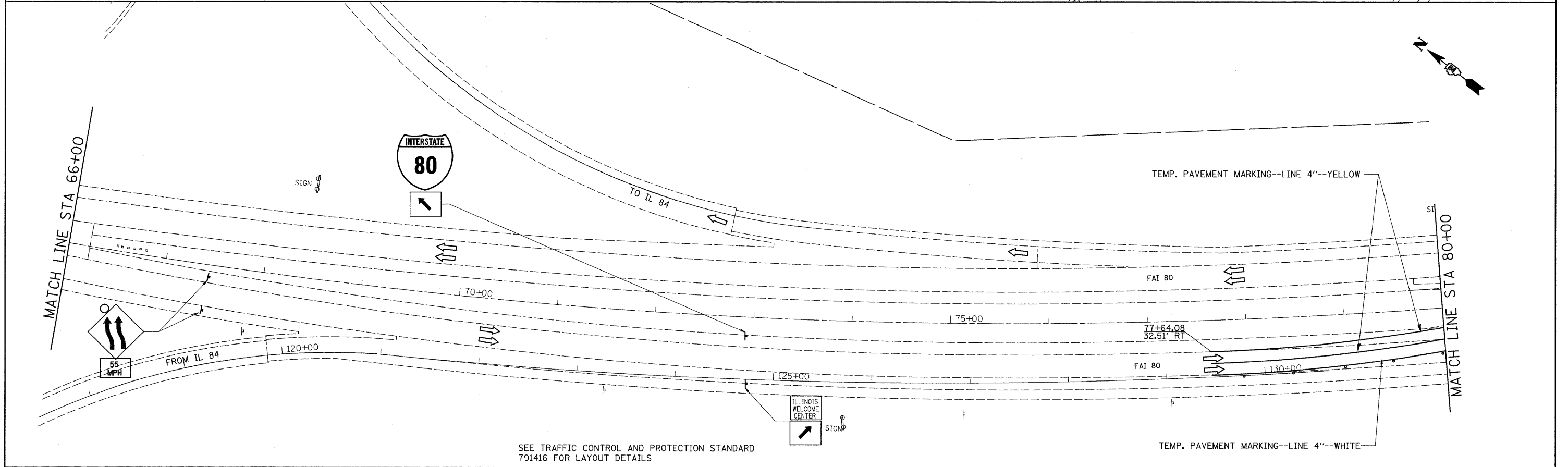
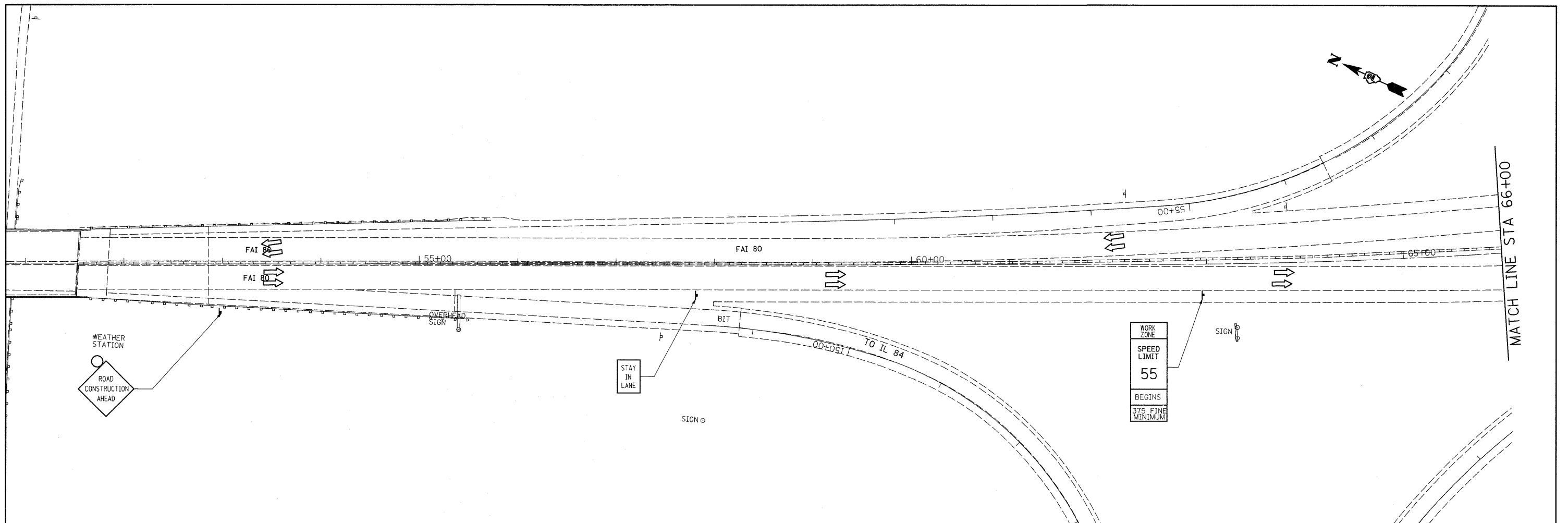
SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701416 FOR LAYOUT DETAILS

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1F-1			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pwork\pwork\grantpm\dms34287\d08403stgsh2.dgn		DRAWN -	REVISED -					80	(81-1)R-1	ROCK ISLAND	292	115
		CHECKED -	REVISED -					CONTRACT NO. 64933				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.			



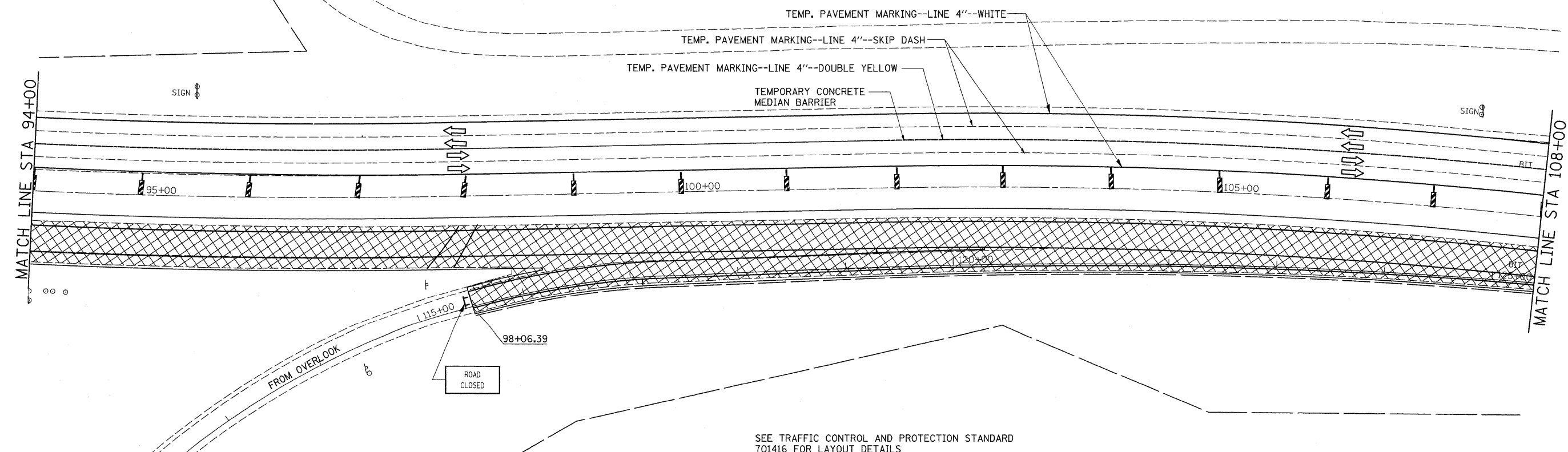
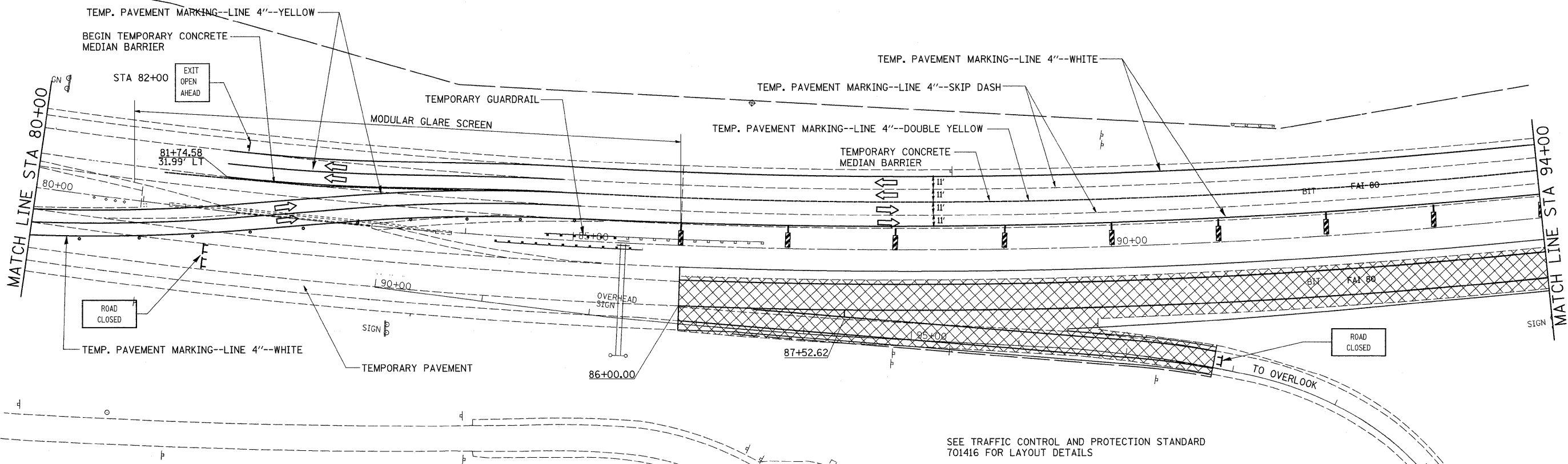
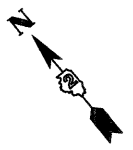
SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701416 FOR LAYOUT DETAILS

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1F-1			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
os\pw_work\pwsdot\grantpm\dms34287\d08403stgsh2.dgn		DRAWN -	REVISED -		80	(81-1)R-1	ROCK ISLAND	292	116			
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 64933				
PLOT DATE = Mon Dec 15 08:42:23 2008		DATE -	REVISED -		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT							

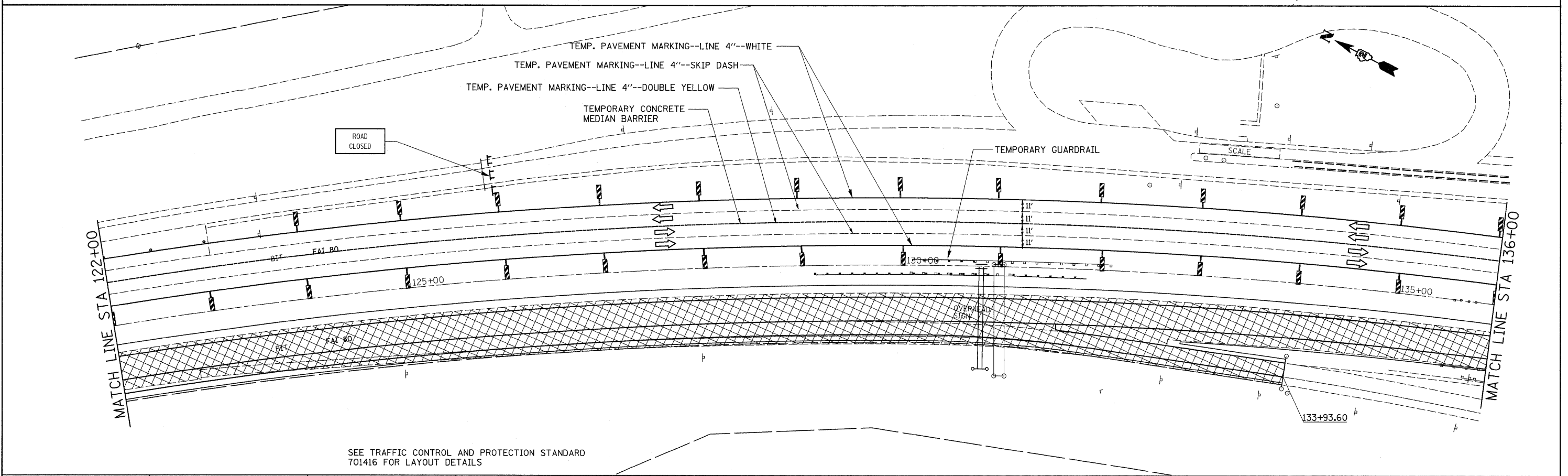
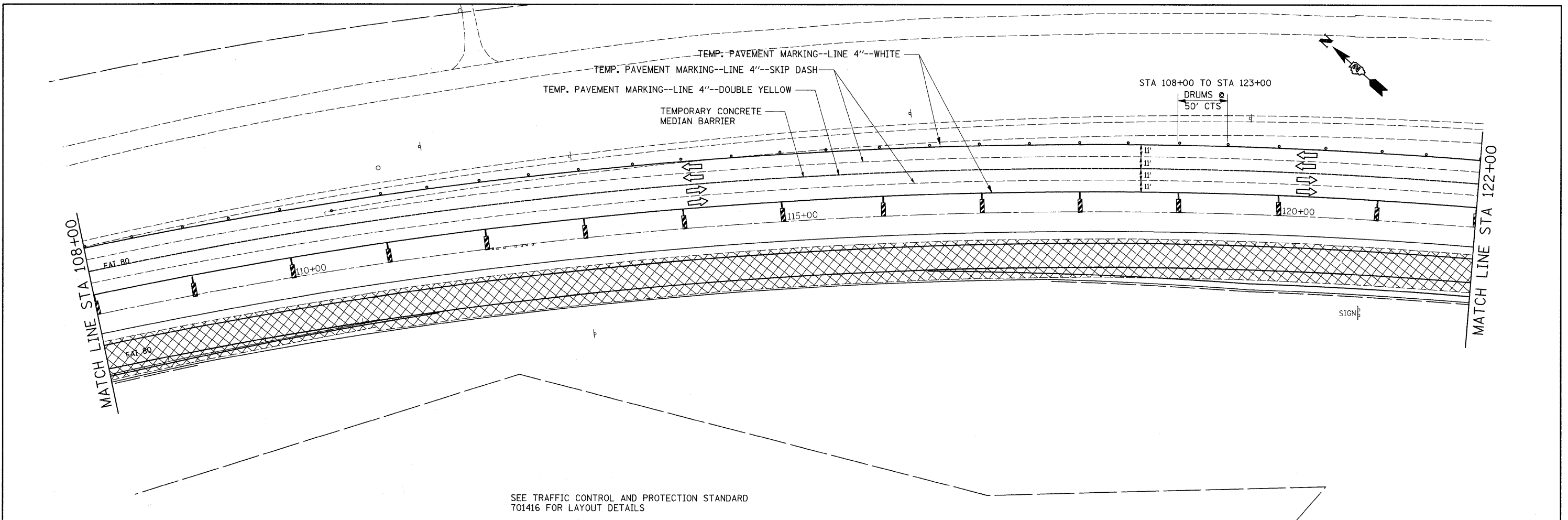


SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701416 FOR LAYOUT DETAILS

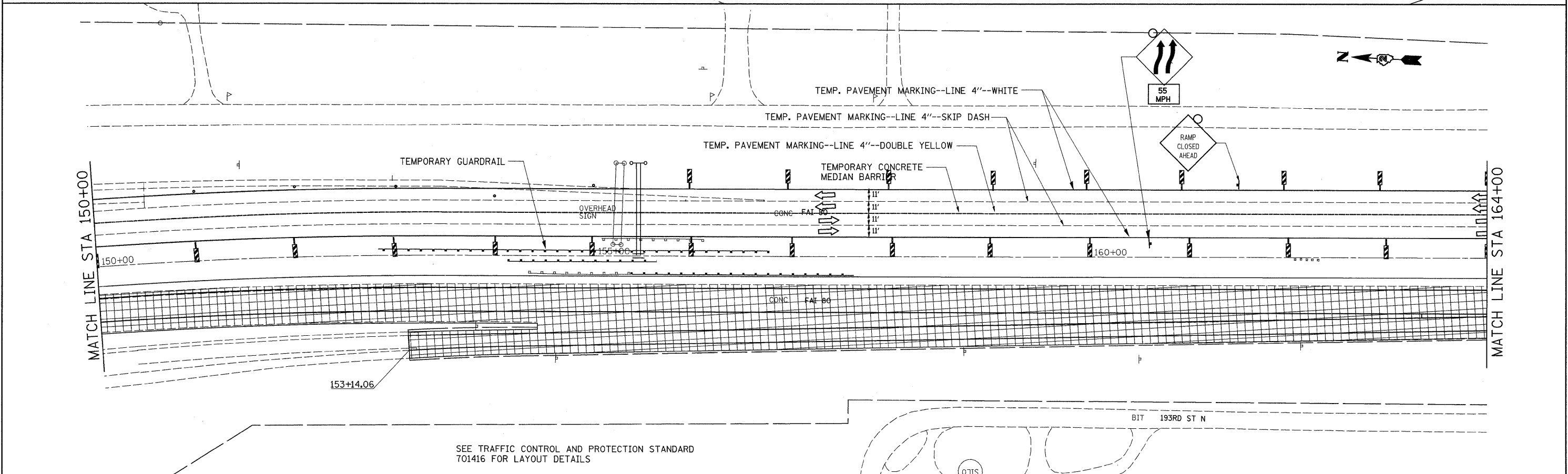
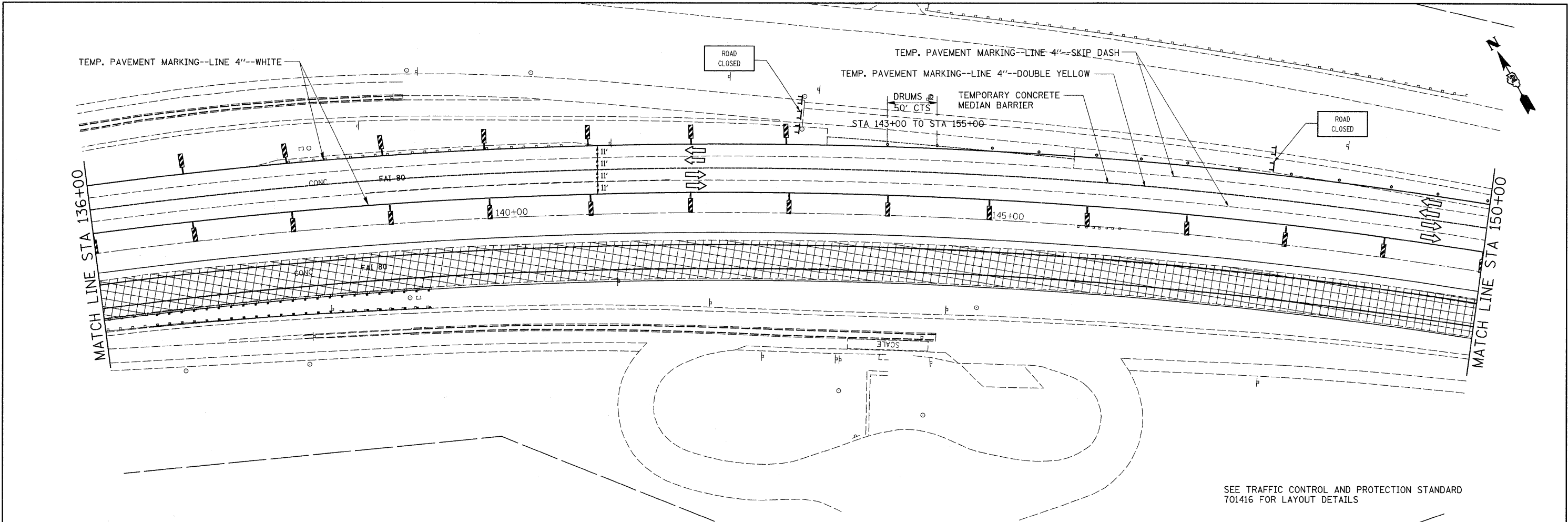
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		CHECKED -	REVISED -												
		DATE = Mon Dec 15 08:42:24 2008	REVISED -												
											CONTRACT NO. 64933		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT		



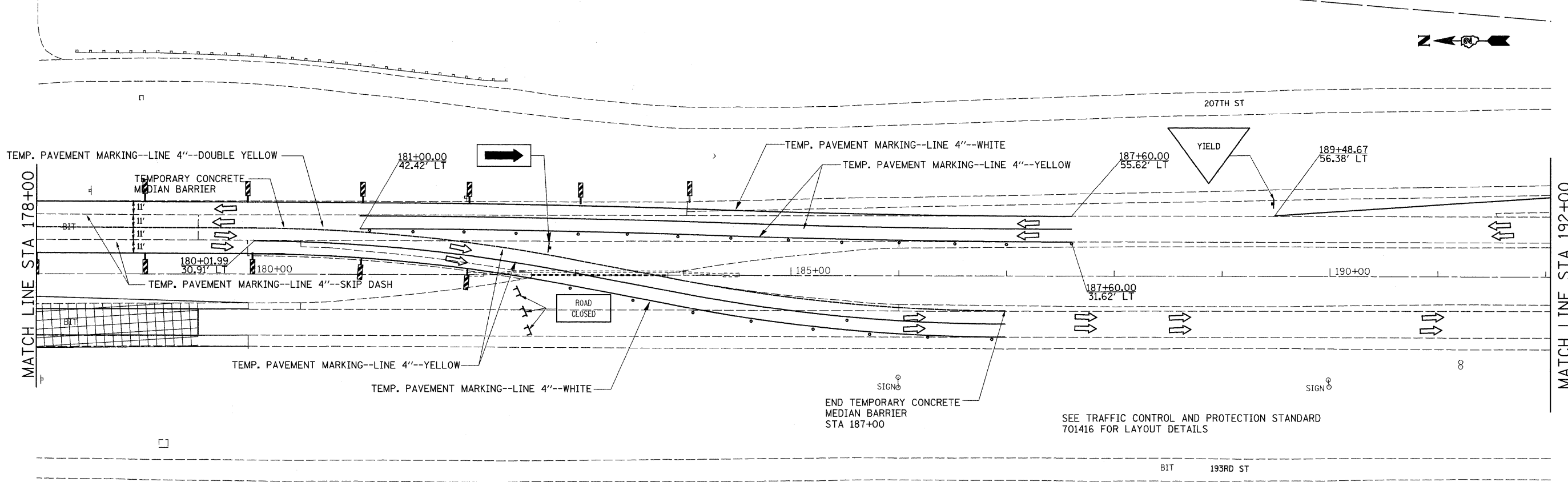
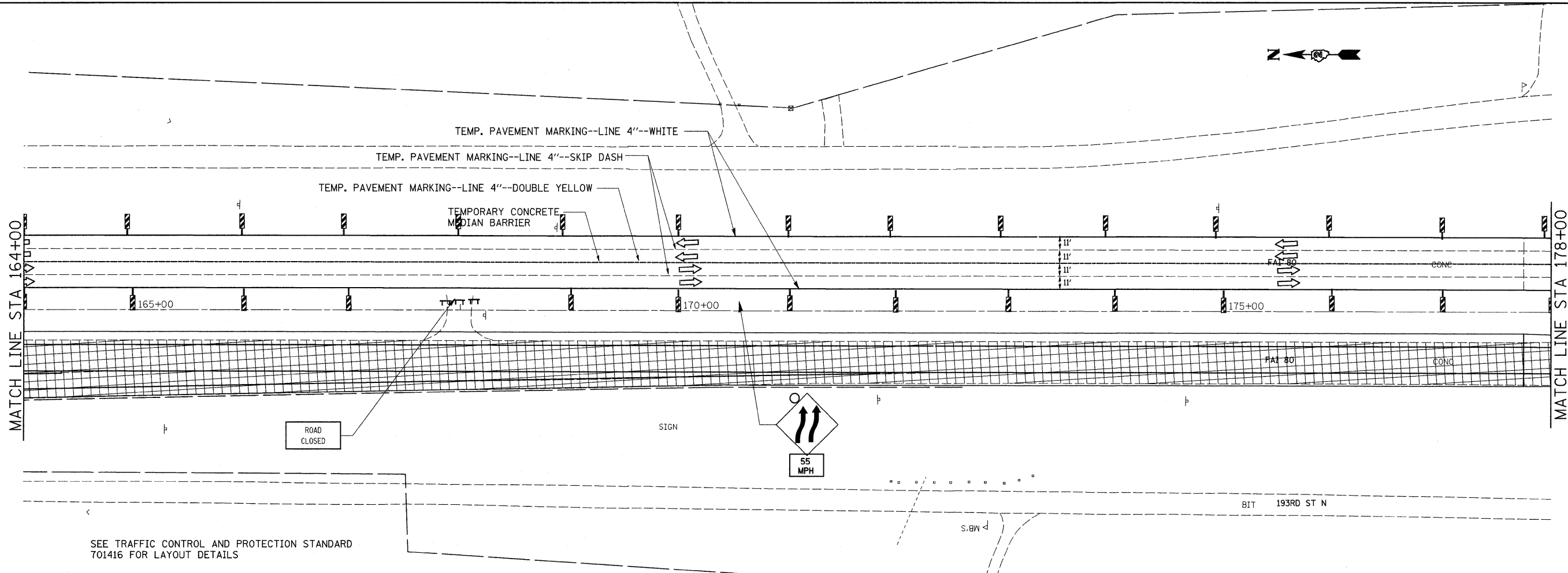
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ct:\pw_work\pwsdot\grantpm\dms34287\d08403atgsh.t2.dgn		DRAWN -	REVISED -					80	(81-1)R-1	ROCK ISLAND	292	118	
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -					SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 64933		
PLOT DATE = Mon Dec 15 08:42:24 2008		DATE -	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



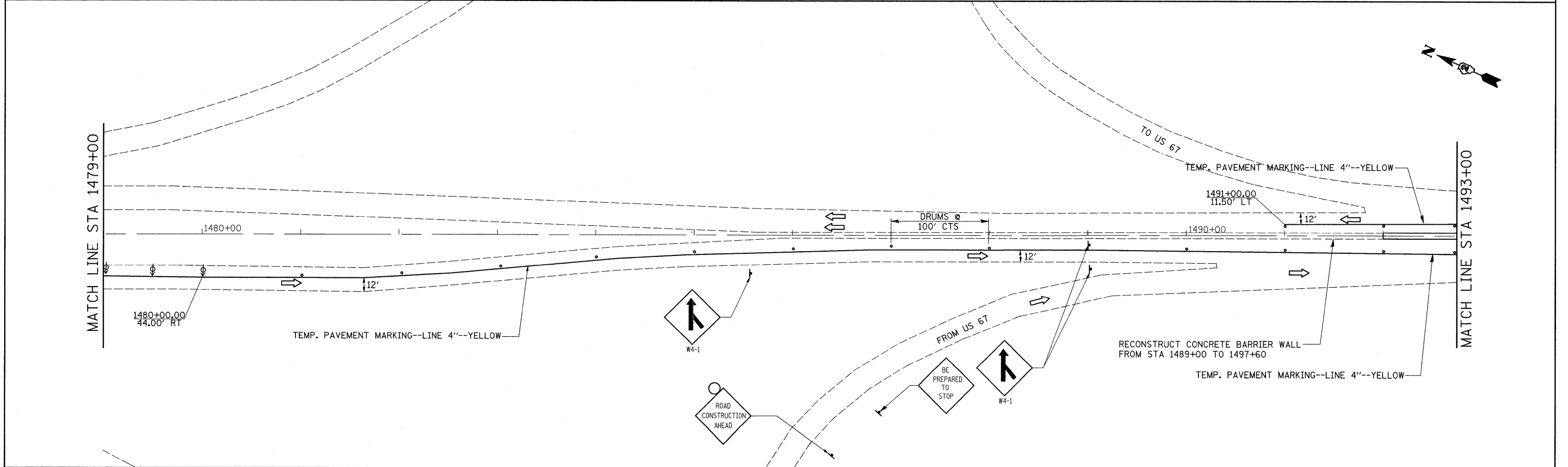
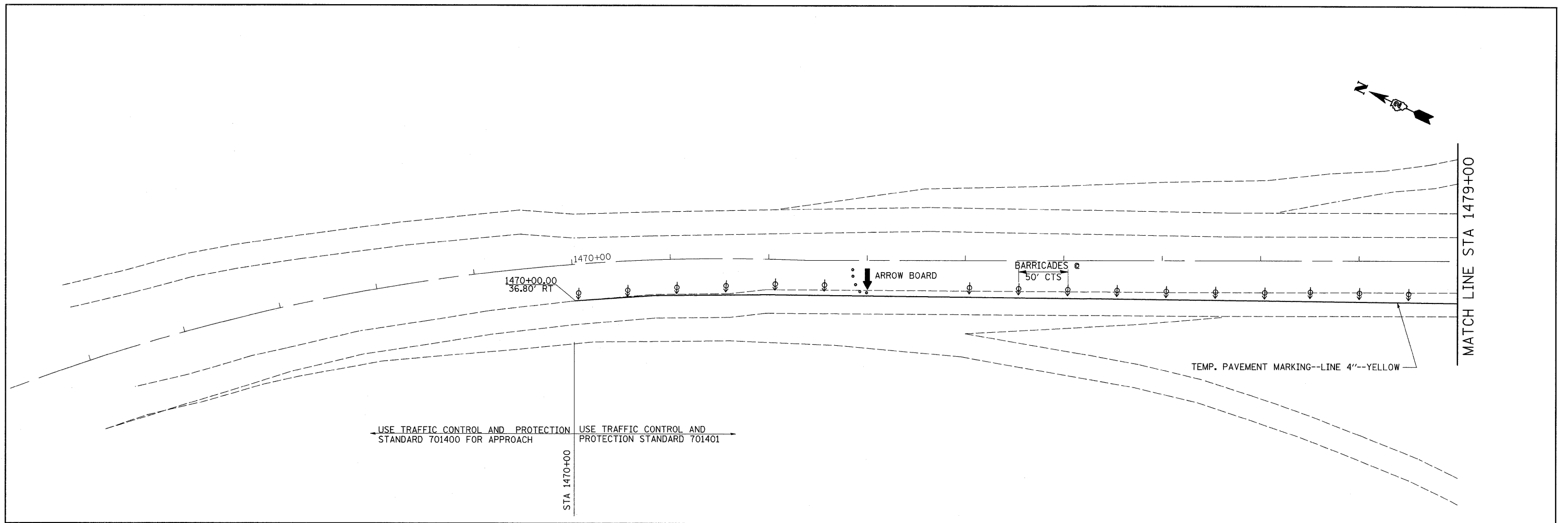
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		DATE -	REVISED -								



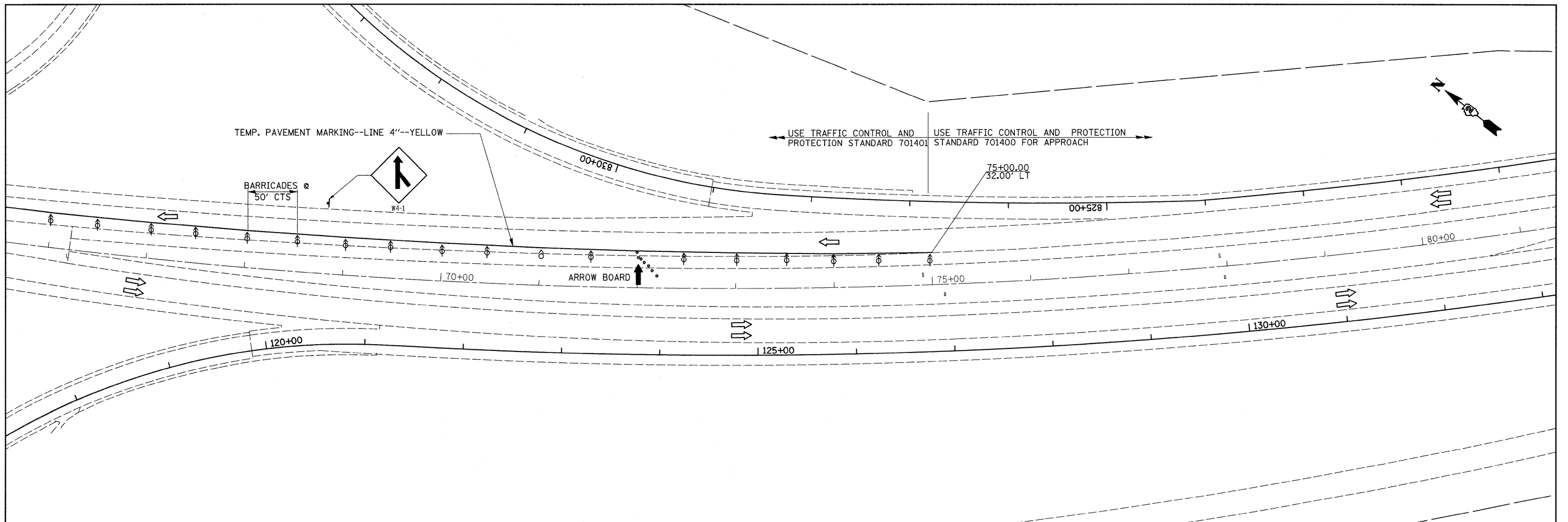
FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1F	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw_work\pwsdot\grantpm\dms34287\d084	3stgsh t2.dgn	DRAWN -	REVISED -			80	(81-1)R-1	ROCK ISLAND	292	120	
PLOT SCALE = 58.0000' / IN.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 64933					
PLOT DATE = Mon Dec 15 08:42:26 2008	DATE -	REVISED -	REVISED -			SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.



FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1F	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
01\pw_work\p\dot\grantpm\dms34287\d00	03atgah.t2.dgn	DRAWN -	REVISED -			80	(81-1)R-1	ROCK ISLAND	292	121
PLOT SCALE = 50,0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 64933				
PLOT DATE = Mon Dec 15 08:42:27 2008		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
SCALE: SHEET NO. OF SHEETS STA. TO STA.										



FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1G IN IOWA			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\p\dot\grantpm\dms34287\d08403stgsh2.dgn		DRAWN -	REVISED -					80	(81-1)R-1	ROCK ISLAND	292	123
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -					CONTRACT NO. 64933				
PLOT DATE = Mon Dec 15 08:42:28 2008		DATE -	REVISED -					FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				
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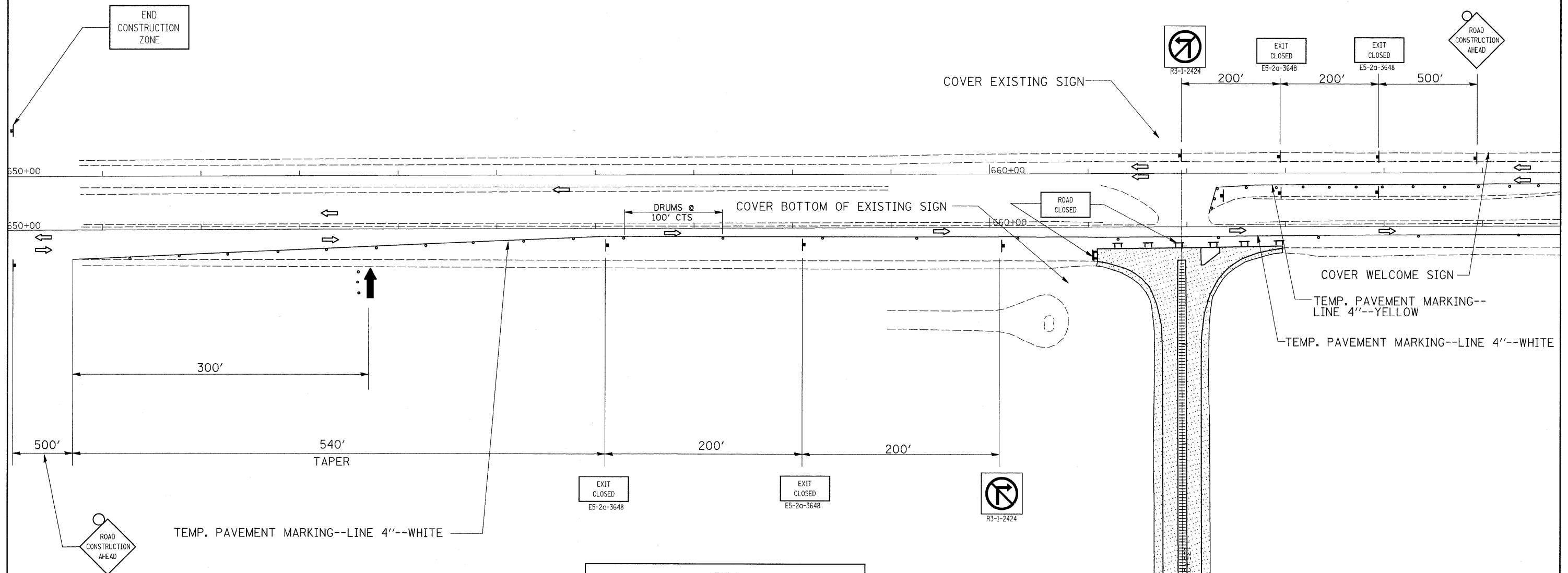


FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -
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PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	REVISED -
PLOT DATE = Mon Dec 15 08:42:29 2008	DATE -	REVISED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1G			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

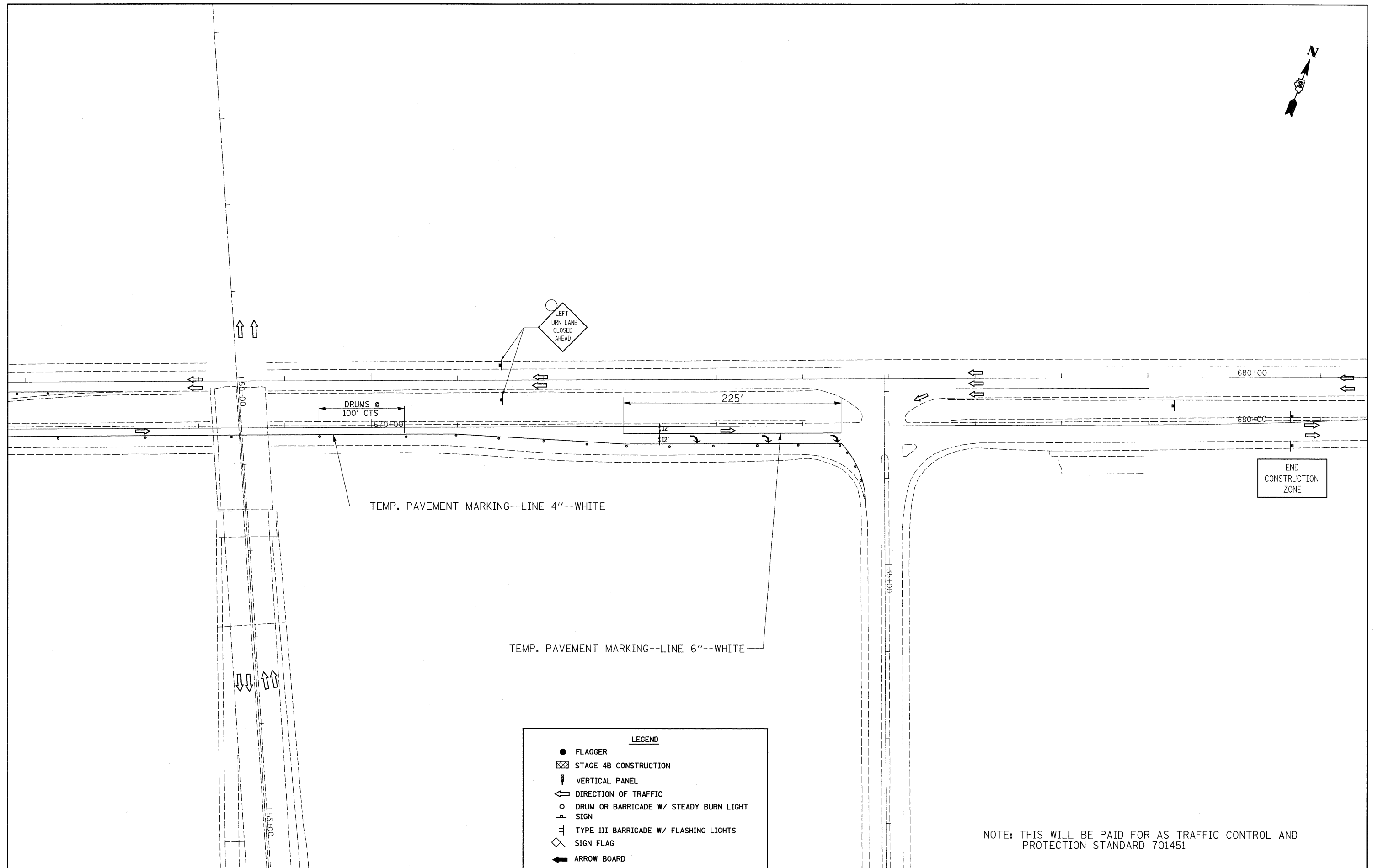
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(81-1)R-1	ROCK ISLAND	292	125
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 64933	



NOTE: THIS WILL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION STANDARD 701451

LEGEND	
●	FLAGGER
⊠	STAGE 4 CONSTRUCTION
⌄	VERTICAL PANEL
⇄	DIRECTION OF TRAFFIC
○	DRUM OR BARRICADE W/ STEADY BURN LIGHT SIGN
⊥	TYPE III BARRICADE W/ FLASHING LIGHTS
◇	SIGN FLAG
➡	ARROW BOARD

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL FOR IL 84 RAMPS				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pw_work\pwork\grantpm\dms34287\d08403stgsh2.dgn		DRAWN -	REVISED -						80	(B1-1) R-1	ROCK ISLAND	292	126
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -						CONTRACT NO. 64933				
PLOT DATE = Mon Dec 15 08:42:29 2008		DATE -	REVISED -						SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.



END
CONSTRUCTION
ZONE

LEGEND

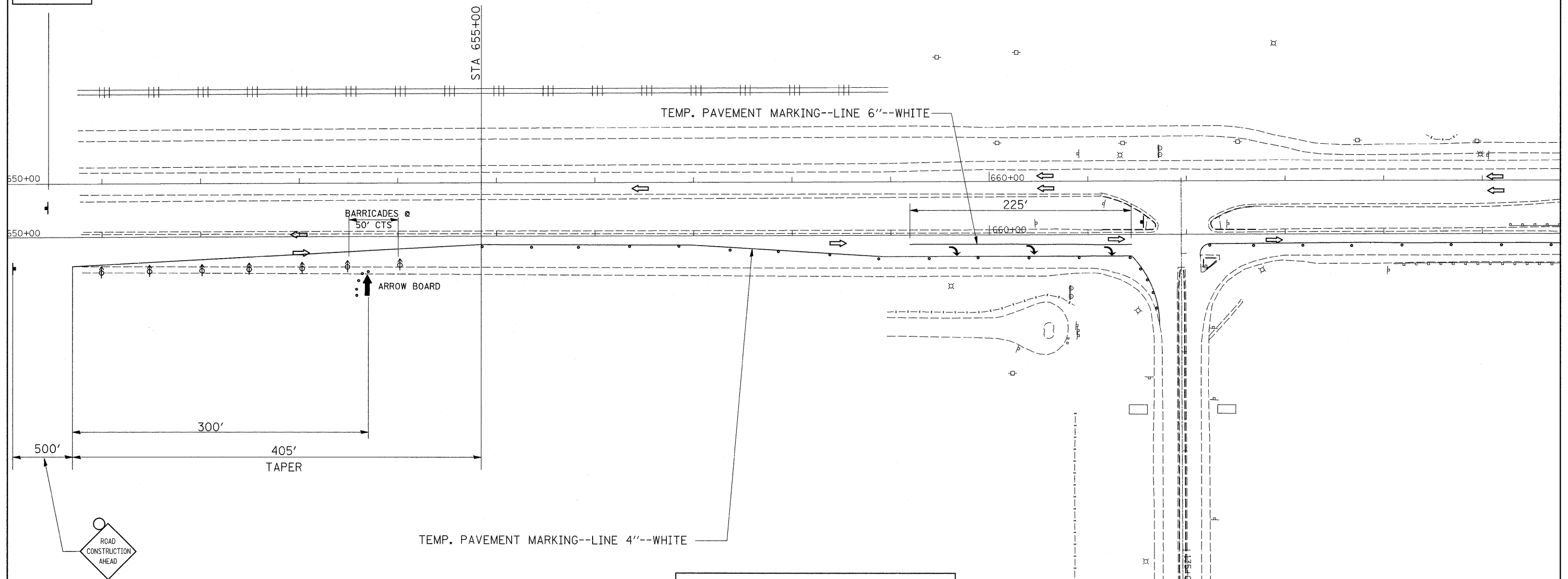
- FLAGGER
- ▣ STAGE 4B CONSTRUCTION
- ⏏ VERTICAL PANEL
- ⇐ DIRECTION OF TRAFFIC
- DRUM OR BARRICADE W/ STEADY BURN LIGHT SIGN
- ⏏ TYPE III BARRICADE W/ FLASHING LIGHTS
- ◇ SIGN FLAG
- ➡ ARROW BOARD

NOTE: THIS WILL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION STANDARD 701451

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL FOR IL 84 RAMPS			F.A.I. RTE. 80	SECTION (81-1) R-1	COUNTY ROCK ISLAND	TOTAL SHEETS 292	SHEET NO. 127
cr\pr_work\pwi\dot\grantpm\dms34287\d08403atgsh2.dgn		DRAWN -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
	PLOT SCALE = 50,0000 ' / IN.	CHECKED -	REVISED -		CONTRACT NO. 64933							
	PLOT DATE = Mon Dec 15 08:42:33 2008	DATE -	REVISED -									



END
CONSTRUCTION



NOTE: THIS WILL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION STANDARD 701451

LEGEND	
●	FLAGGER
⊠	STAGE 6 CONSTRUCTION
⚡	VERTICAL PANEL
⇐	DIRECTION OF TRAFFIC
○	DRUM OR BARRICADE W/ STEADY BURN LIGHT SIGN
⚡	TYPE III BARRICADE W/ FLASHING LIGHTS
◇	SIGN FLAG
⇐	ARROW BOARD

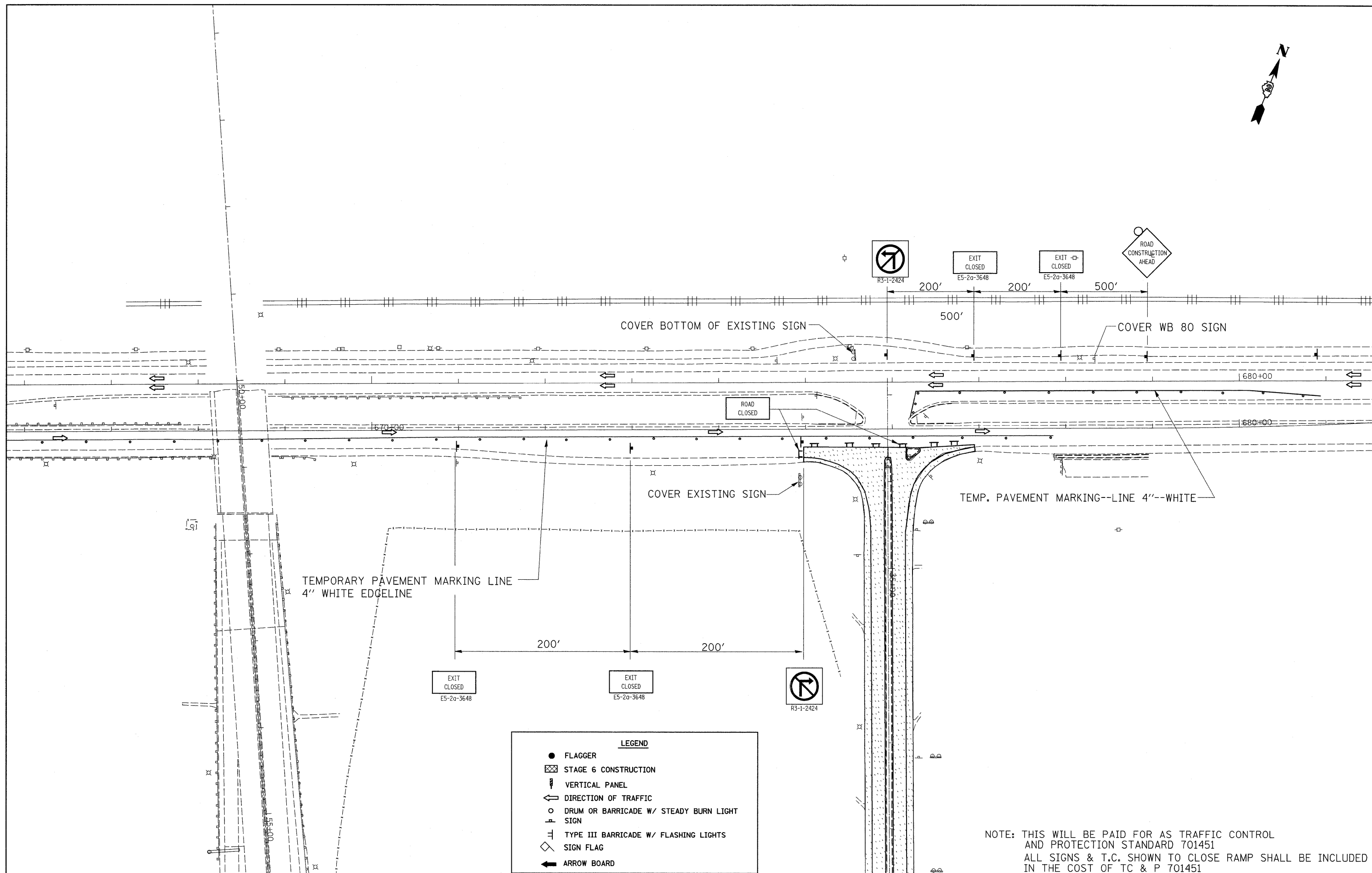
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PLOT DATE = Mon Dec 15 08:42:33 2008		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL FOR IL 84 RAMPS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(81-1) R-1	ROCK ISLAND	292	128
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64933	

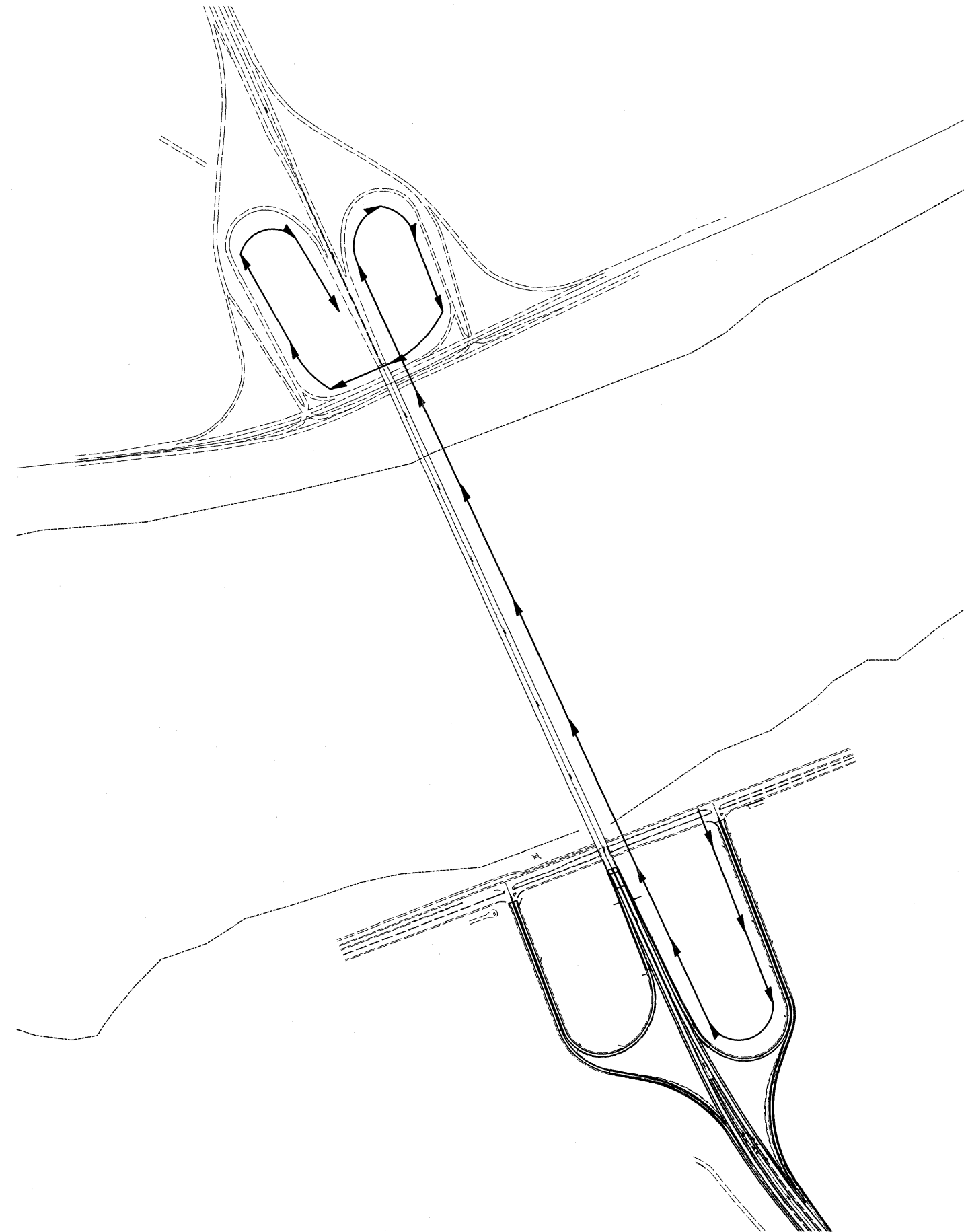


LEGEND

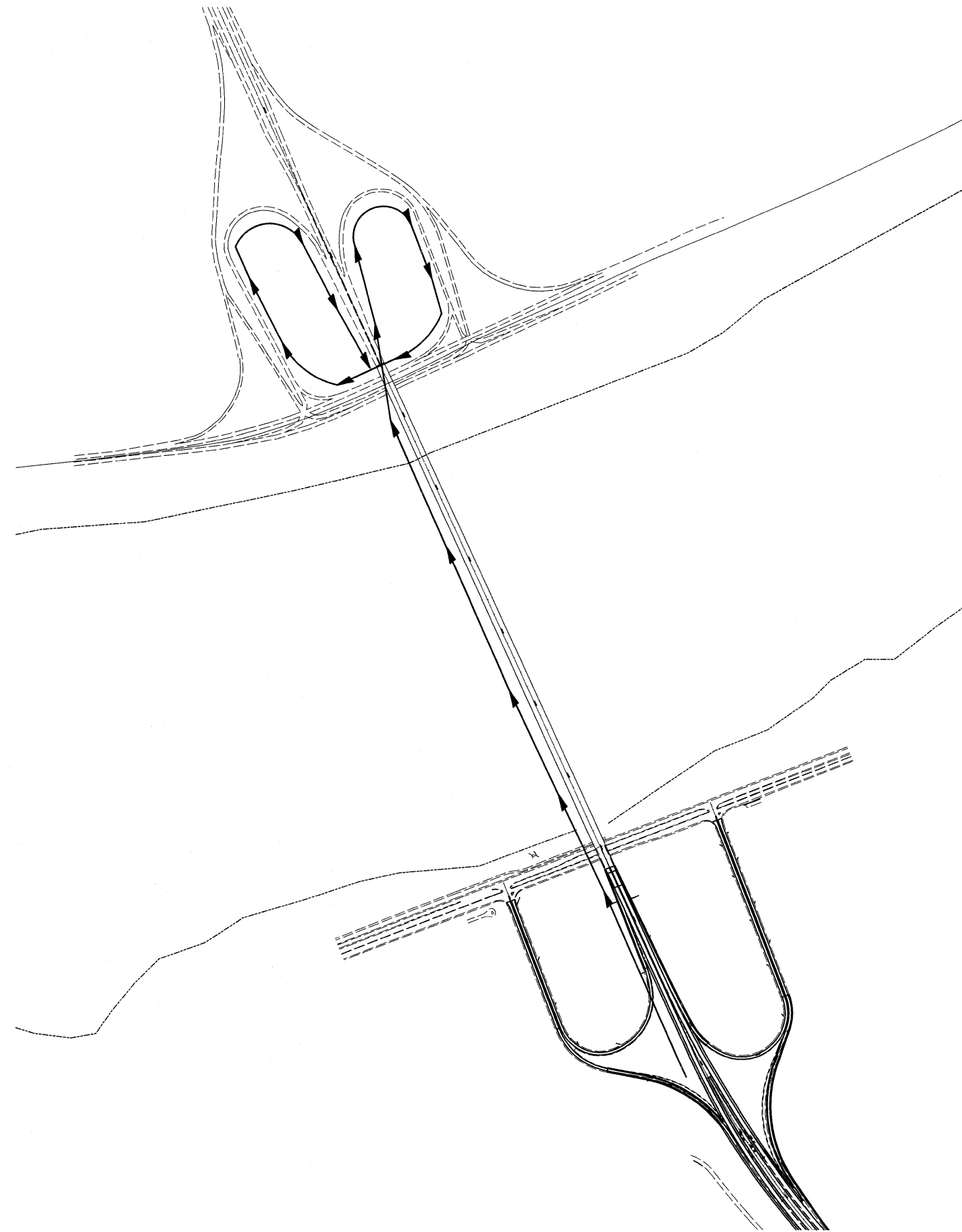
- FLAGGER
- ▣ STAGE 6 CONSTRUCTION
- ▮ VERTICAL PANEL
- ← DIRECTION OF TRAFFIC
- DRUM OR BARRICADE W/ STEADY BURN LIGHT SIGN
- ⊥ TYPE III BARRICADE W/ FLASHING LIGHTS
- ◇ SIGN FLAG
- ➡ ARROW BOARD

NOTE: THIS WILL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION STANDARD 701451
 ALL SIGNS & T.C. SHOWN TO CLOSE RAMP SHALL BE INCLUDED IN THE COST OF TC & P 701451

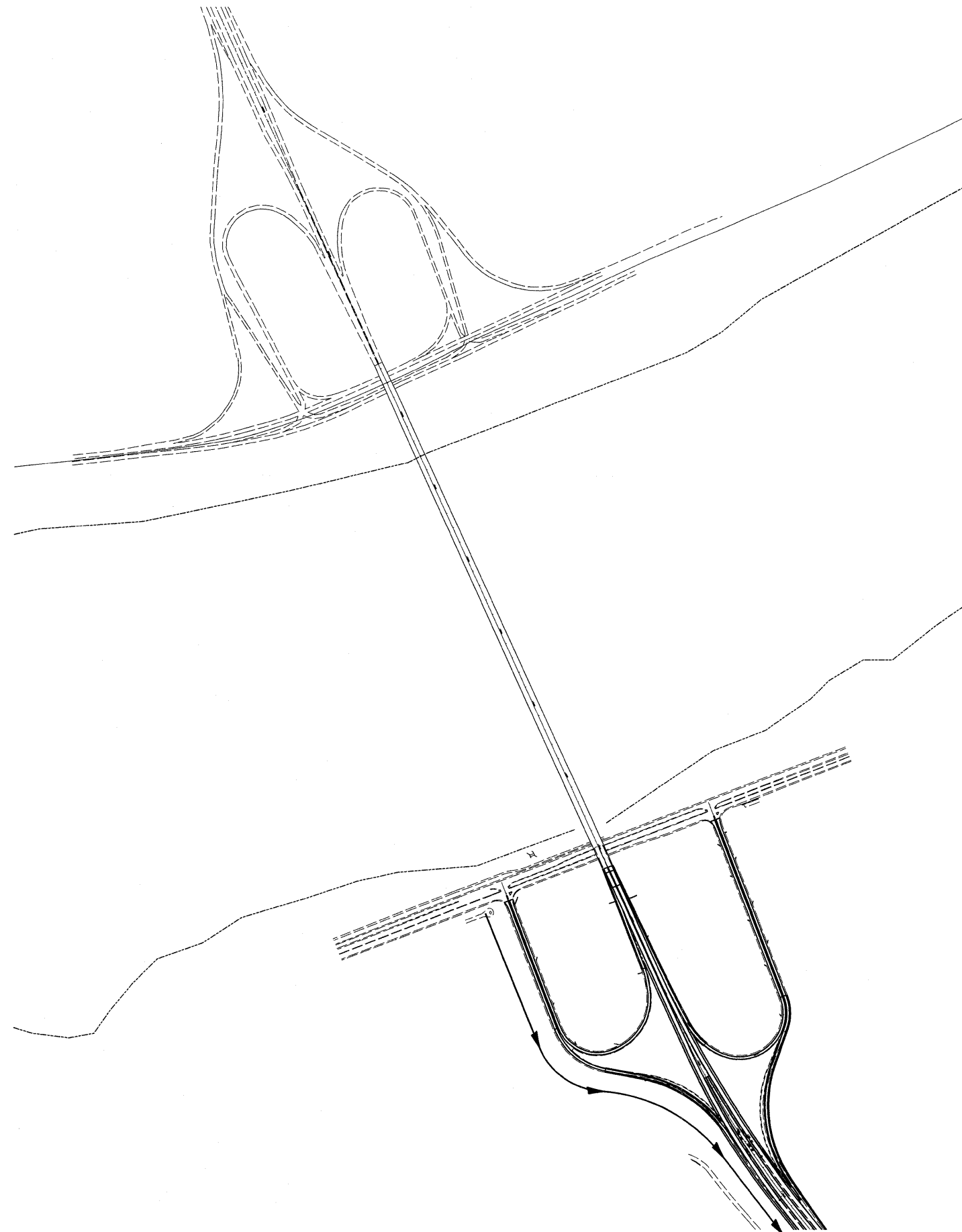
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PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 64933				
PLOT DATE = Mon Dec 15 08:42:34 2008	DATE -	REVISED -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
SCALE: SHEET NO. OF SHEETS STA. TO STA.										



FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RAMP DETOUR FOR I-80 EB FROM IL 84				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\pwidot\grantpm\dms34287\d08403detrshfts.dgn	PLOT SCALE = 400.0000' / IN.	DRAWN -	REVISED -						80	(81-1) R-1	ROCK ISLAND	292	131
PLOT DATE = Mon Dec 15 08:38:49 2008	DATE -	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 64933				
									ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RAMP DETOUR FROM I-80 WB TO IL 84				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct\pwork\pwork\grantpm\dms34287\d08403detrshs.dgn		DRAWN -	REVISED -						80	(81-1) R-1	ROCK ISLAND	292	135
	PLOT SCALE = 400.0000' / IN.	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 64933				
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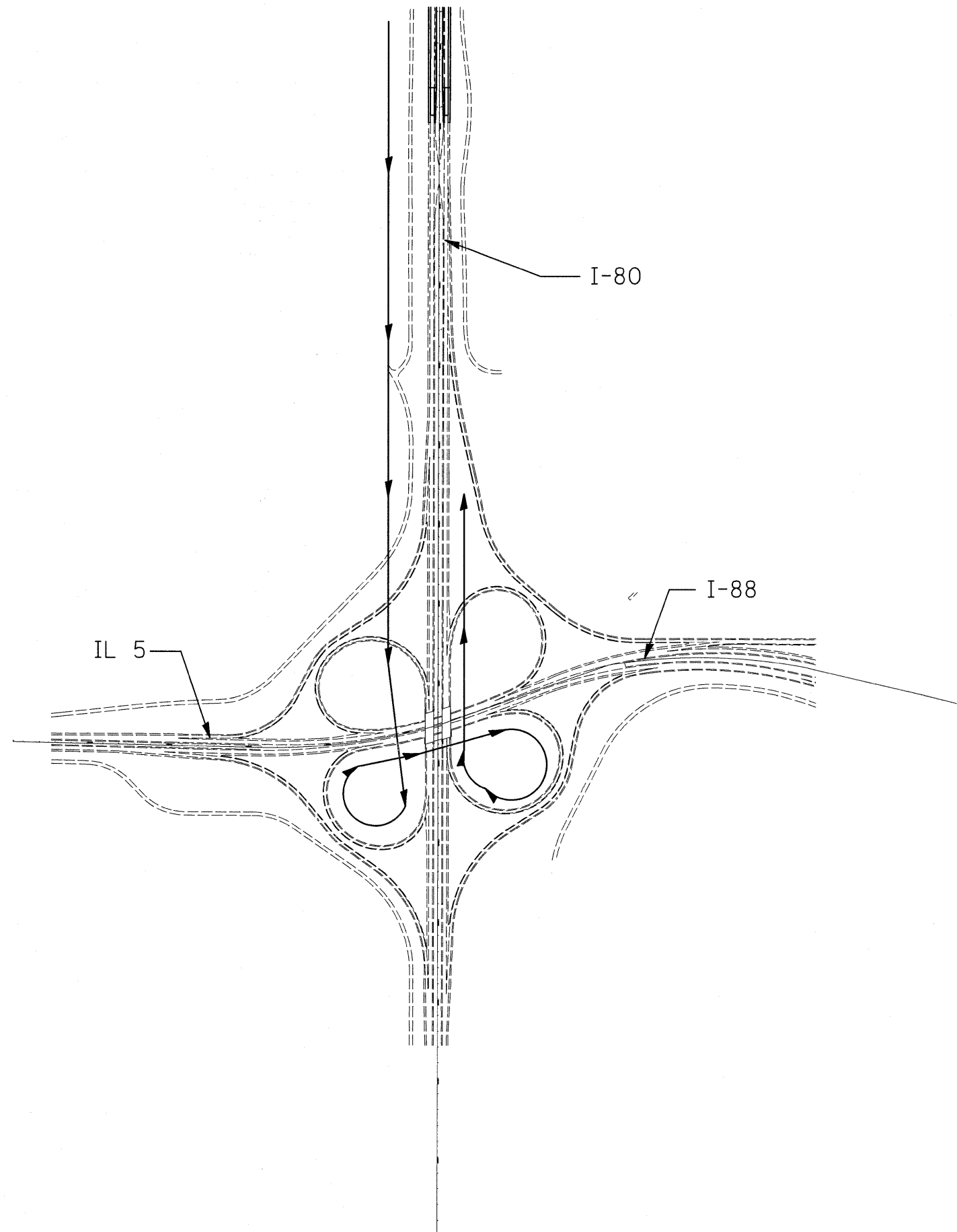
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RAMP DETOUR FROM I-80 WB
FROM IL 84**

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

F.A.I. RTE. 80	SECTION (81-1) R-1	COUNTY ROCK ISLAND	TOTAL SHEETS 292	SHEET NO. 136
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT CONTRACT NO. 64933		



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DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

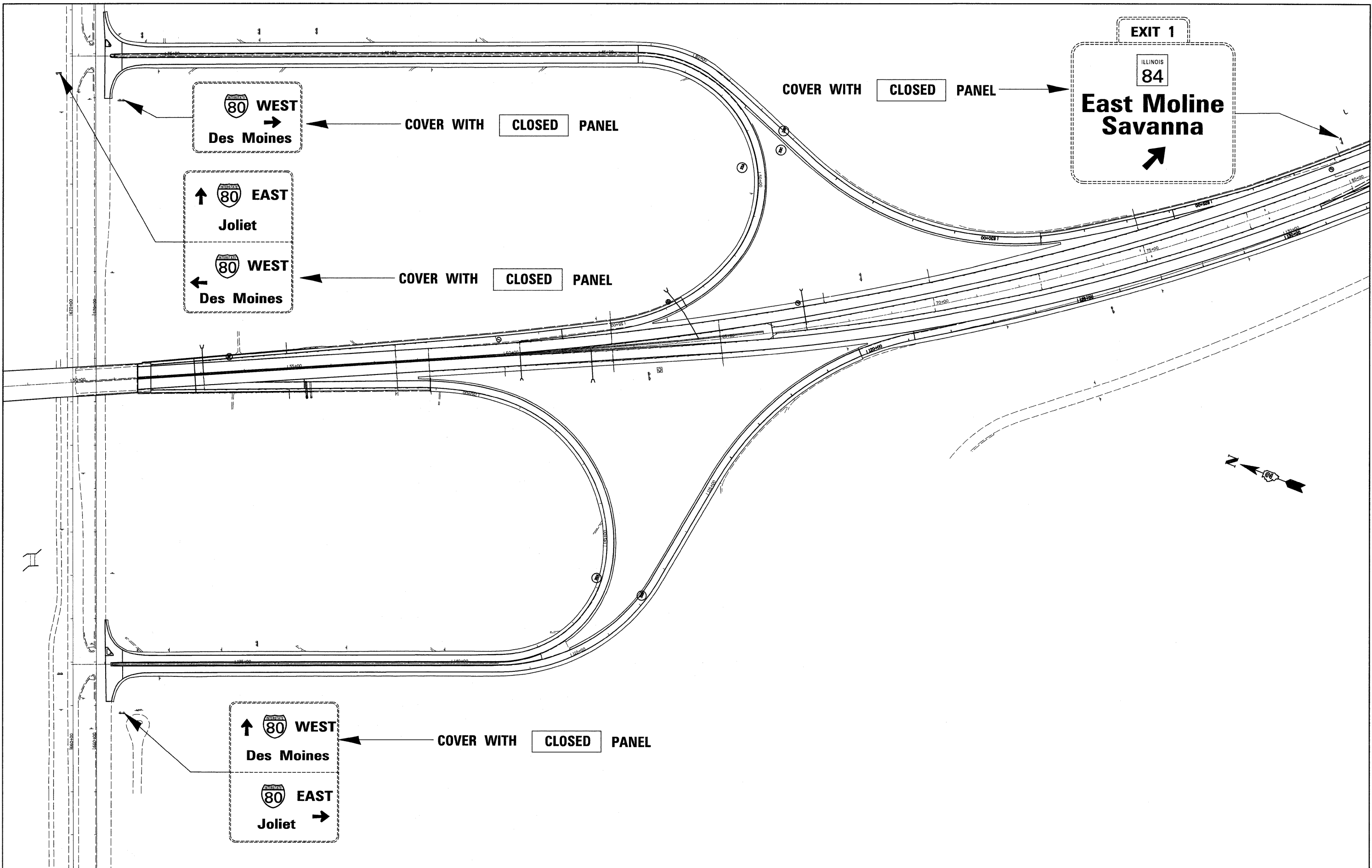
REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**RAMP DETOUR FROM I-80 WB
 FROM IL 84**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(81-1) R-1	ROCK ISLAND	292	138
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64933	



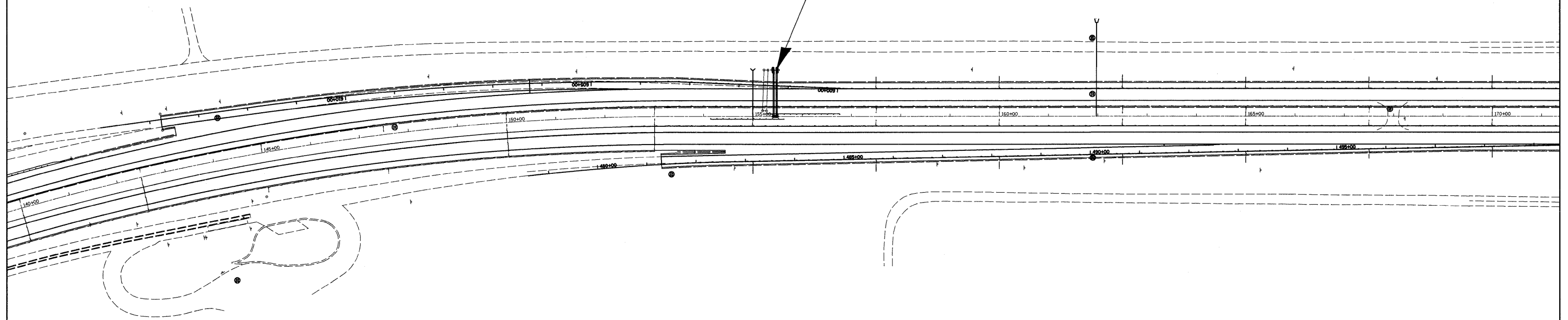
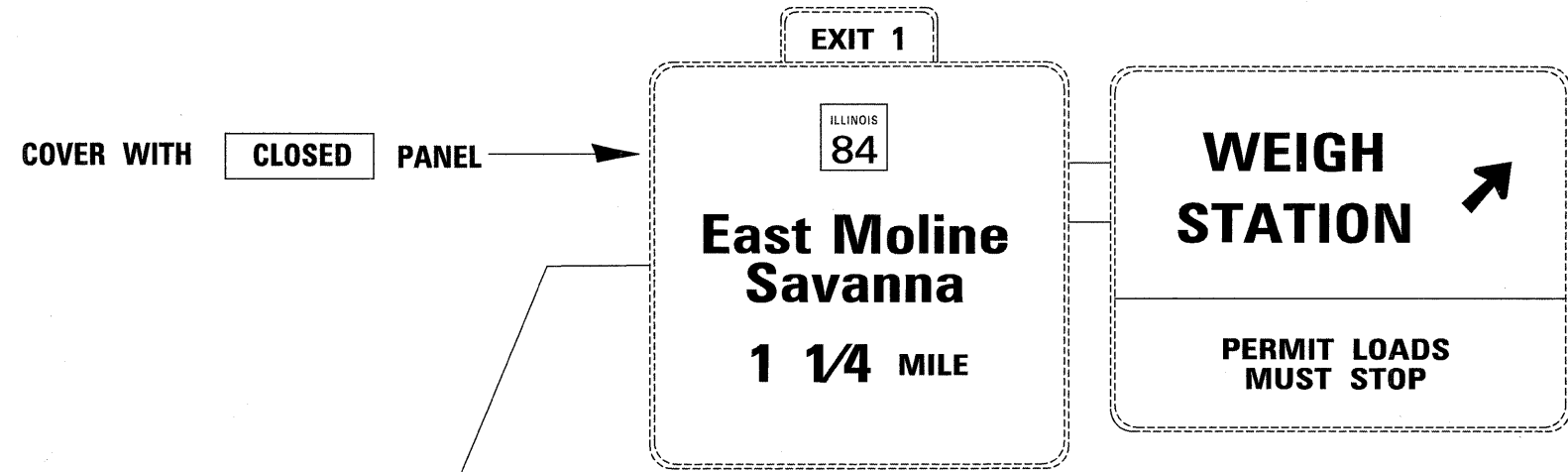
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

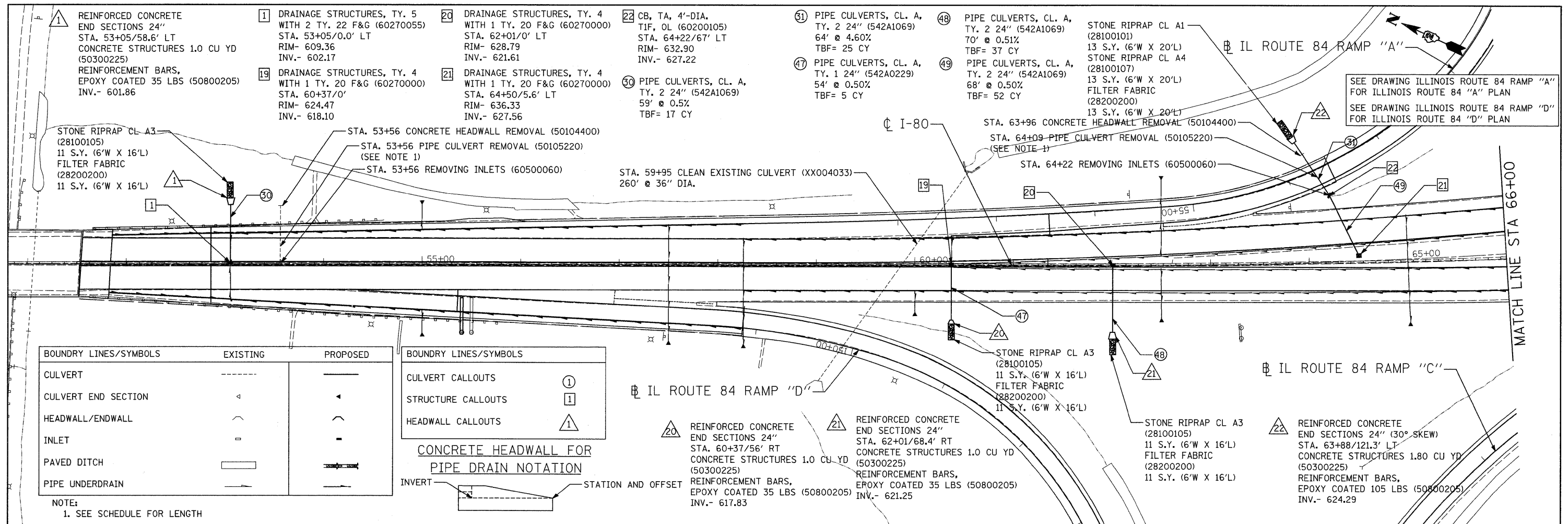
**RAMP DETOUR FOR I-80 WB
FROM IL 84**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(81-1) R-1	ROCK ISLAND	292	140
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 64933	



FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RAMP DETOUR FOR I-80 WB FROM IL 84			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\pwidot\grantpm\dms34287\d084	3de\trsh\ts.dgn	DRAWN -	REVISED -					80	(81-1) R-1	ROCK ISLAND	292	142
	PLOT SCALE = 100.0000 / / IN.	CHECKED -	REVISED -					CONTRACT NO. 64933				
	PLOT DATE = Mon Dec 15 08:38:55 2008	DATE -	REVISED -					SCALE:		SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

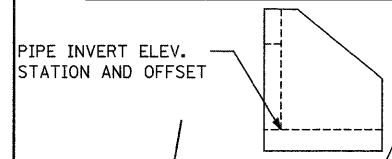


BOUNDRY LINES/SYMBOLS	EXISTING	PROPOSED	BOUNDRY LINES/SYMBOLS
CULVERT	---	---	CULVERT CALLOUTS
CULVERT END SECTION	◁	◁	STRUCTURE CALLOUTS
HEADWALL/ENDWALL	⌋	⌋	HEADWALL CALLOUTS
INLET	□	□	
PAVED DITCH	▬	▬	
PIPE UNDERDRAIN	---	---	

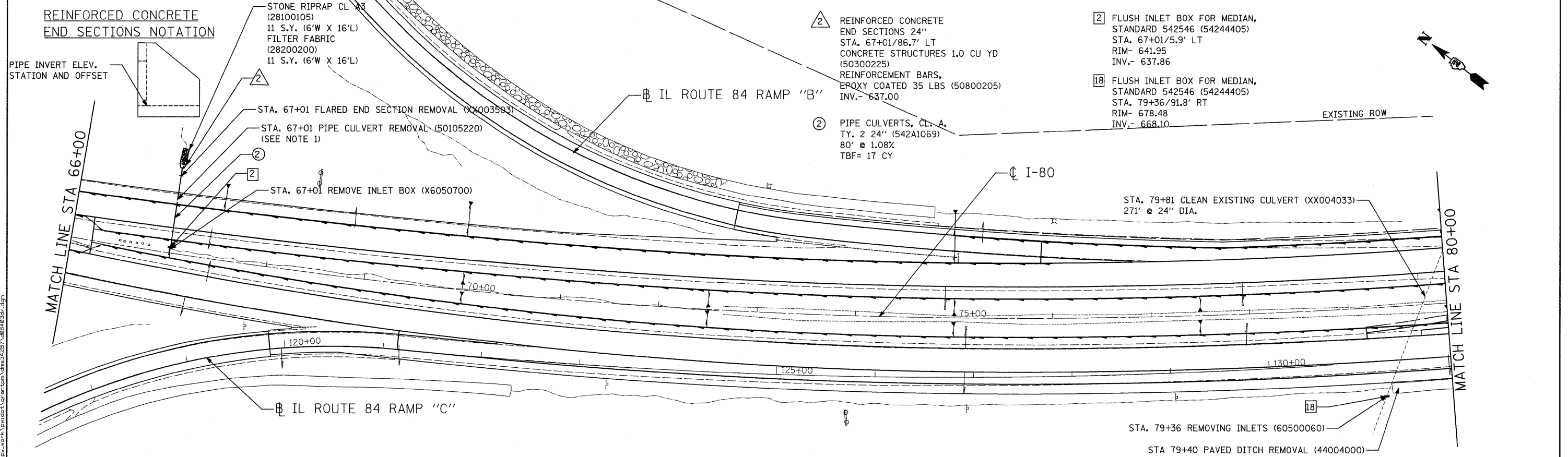
NOTE:
1. SEE SCHEDULE FOR LENGTH

CONCRETE HEADWALL FOR
PIPE DRAIN NOTATION

REINFORCED CONCRETE
END SECTIONS NOTATION



MATCH LINE STA 66+00



STA. 79+36 REMOVING INLETS (60500060)
STA. 79+40 PAVED DITCH REMOVAL (44004000)

Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

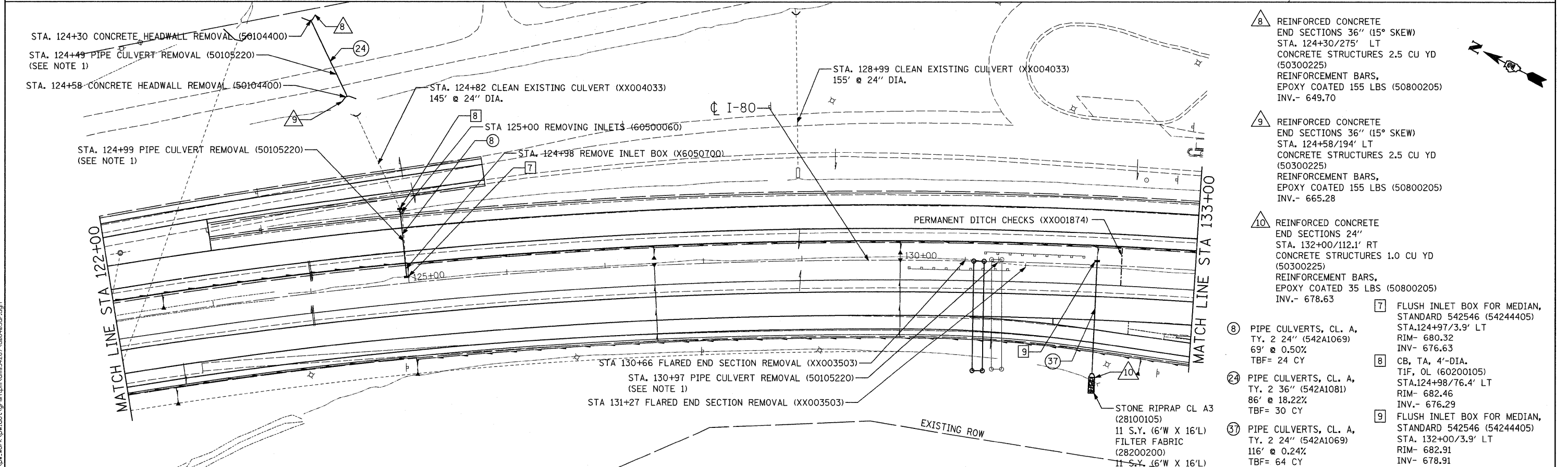
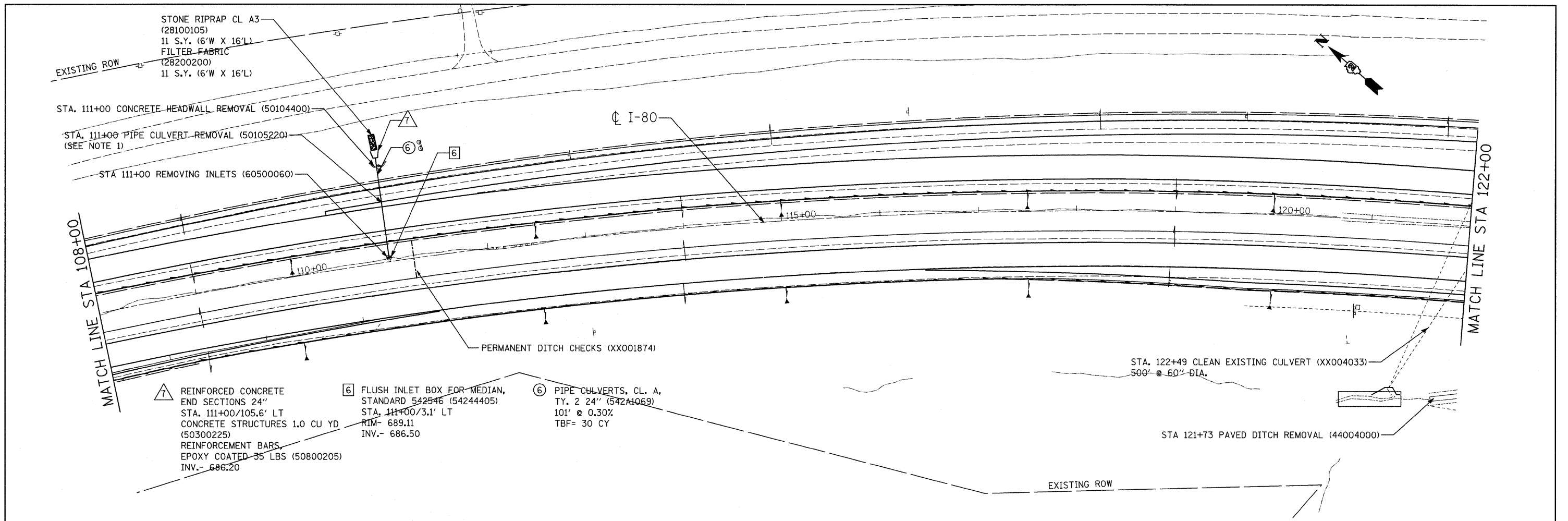
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-80
PROPOSED DRAINAGE PLAN
STA. 51+53 TO STA. 80+00**

SCALE: 1" = 50' SHEET NO. OF SHEETS

F.A.I. RTE. 80	SECTION (81-1R-1)	COUNTY ROCK ISLAND	TOTAL SHEETS 292	SHEET NO. 143
CONTRACT NO. 64933				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



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 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402
 Chicago, Illinois 60656
 Tel. 773.775.4059 Fax 773.775.4014

USER NAME = grentpm	DESIGNED - AL	REVISED -
PLOT SCALE = 50.0000' / IN.	DRAWN - EPS	REVISED -
PLOT DATE = Mon Dec 15 08:36:33 2008	CHECKED - DMM	REVISED -
	DATE - Mon Dec 15 08:36:33 2008	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-80
 PROPOSED DRAINAGE PLAN
 STA. 108+00 TO STA. 133+00**

SCALE: 1" = 50' SHEET NO. OF SHEETS

F.A.I. RTE. 80	SECTION (81-1)R-1	COUNTY ROCK ISLAND	TOTAL SHEETS 292	SHEET NO. 145
CONTRACT NO. 64933				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

15 FLUSH INLET BOX FOR MEDIAN,
STANDARD 542546 (54244405)
STA. 173+97/0'
RIM- 657.96
INV- 650.20

16 CB, TA, 4'-DIA.
TIF, OL (60200105)
STA. 173+97/114' LT
RIM- 649.51
INV.- 643.27

17 REINFORCED CONCRETE
END SECTIONS 24"
STA. 173+97/219' LT
CONCRETE STRUCTURES 1.0 CU YD
(50300225)
REINFORCEMENT BARS,
EPOXY COATED 35 LBS (50800205)
INV.- 626.51

27 INSERTION CULVERT LINER 22"
(54390170)
101'

STA. 174+01 CONCRETE HEADWALL REMOVAL (50104400)

STA. 173+97 REMOVING INLETS (60500060)

STA. 173+97 CLEAN EXISTING CULVERT (XX004033)
110' @ 24" DIA.

STA. 167+67 REMOVE INLET BOX (X6050700)

STA. 166+98 PIPE CULVERT REMOVAL (50105220)
(SEE NOTE 1)

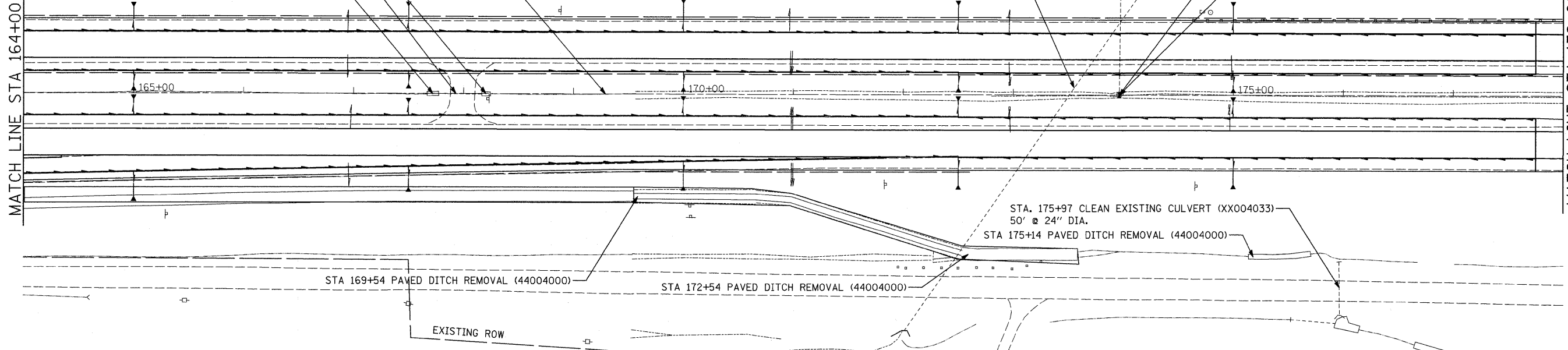
STA. 167+17 REMOVE INLET BOX (X6050700)

STA. 173+55 CLEAN EXISTING CULVERT (XX004033)
540' @ 36" DIA.

STA. 173+97 REMOVING INLETS (60500060)

MATCH LINE STA 164+00

MATCH LINE STA 178+00



STA 169+54 PAVED DITCH REMOVAL (44004000)

STA 172+54 PAVED DITCH REMOVAL (44004000)

STA. 175+97 CLEAN EXISTING CULVERT (XX004033)
50' @ 24" DIA.

STA 175+14 PAVED DITCH REMOVAL (44004000)

EXISTING ROW

18 STA. 178+98 CONCRETE HEADWALL REMOVAL (50104400)

28 STA. 178+99 REMOVING INLETS (60500060)

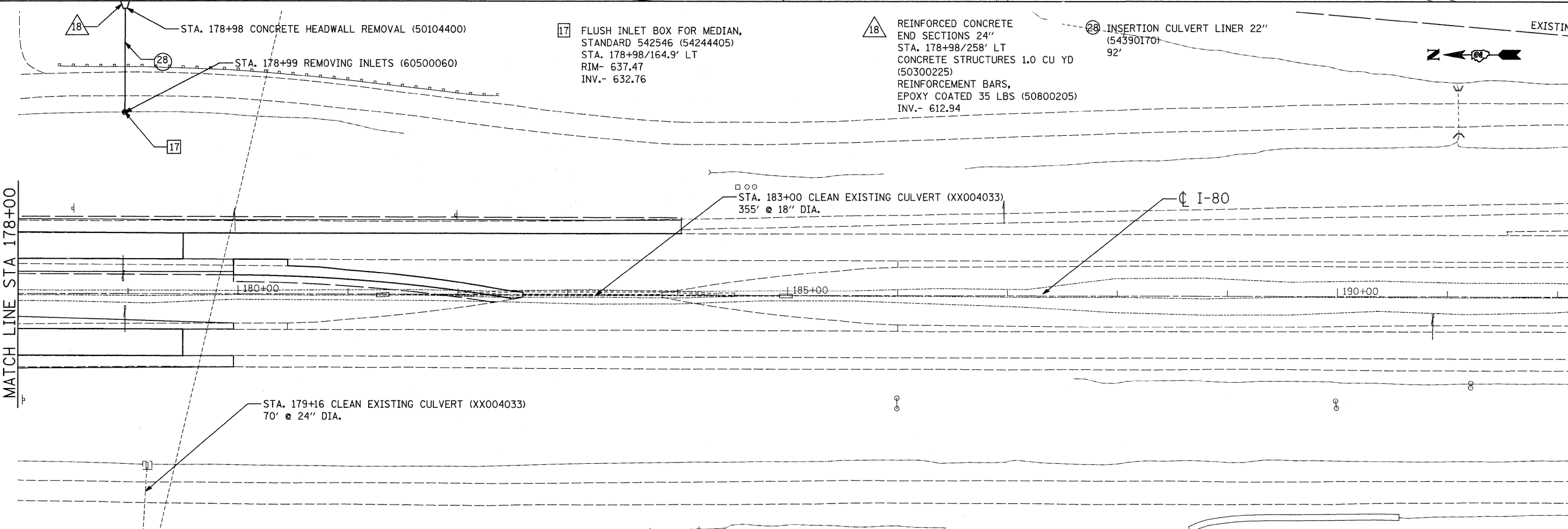
17 FLUSH INLET BOX FOR MEDIAN,
STANDARD 542546 (54244405)
STA. 178+98/164.9' LT
RIM- 637.47
INV.- 632.76

18 REINFORCED CONCRETE
END SECTIONS 24"
STA. 178+98/258' LT
CONCRETE STRUCTURES 1.0 CU YD
(50300225)
REINFORCEMENT BARS,
EPOXY COATED 35 LBS (50800205)
INV.- 612.94

28 INSERTION CULVERT LINER 22"
(54390170)
92'

EXISTING ROW

MATCH LINE STA 178+00



STA. 183+00 CLEAN EXISTING CULVERT (XX004033)
355' @ 18" DIA.

I-80

17 STA. 179+16 CLEAN EXISTING CULVERT (XX004033)
70' @ 24" DIA.

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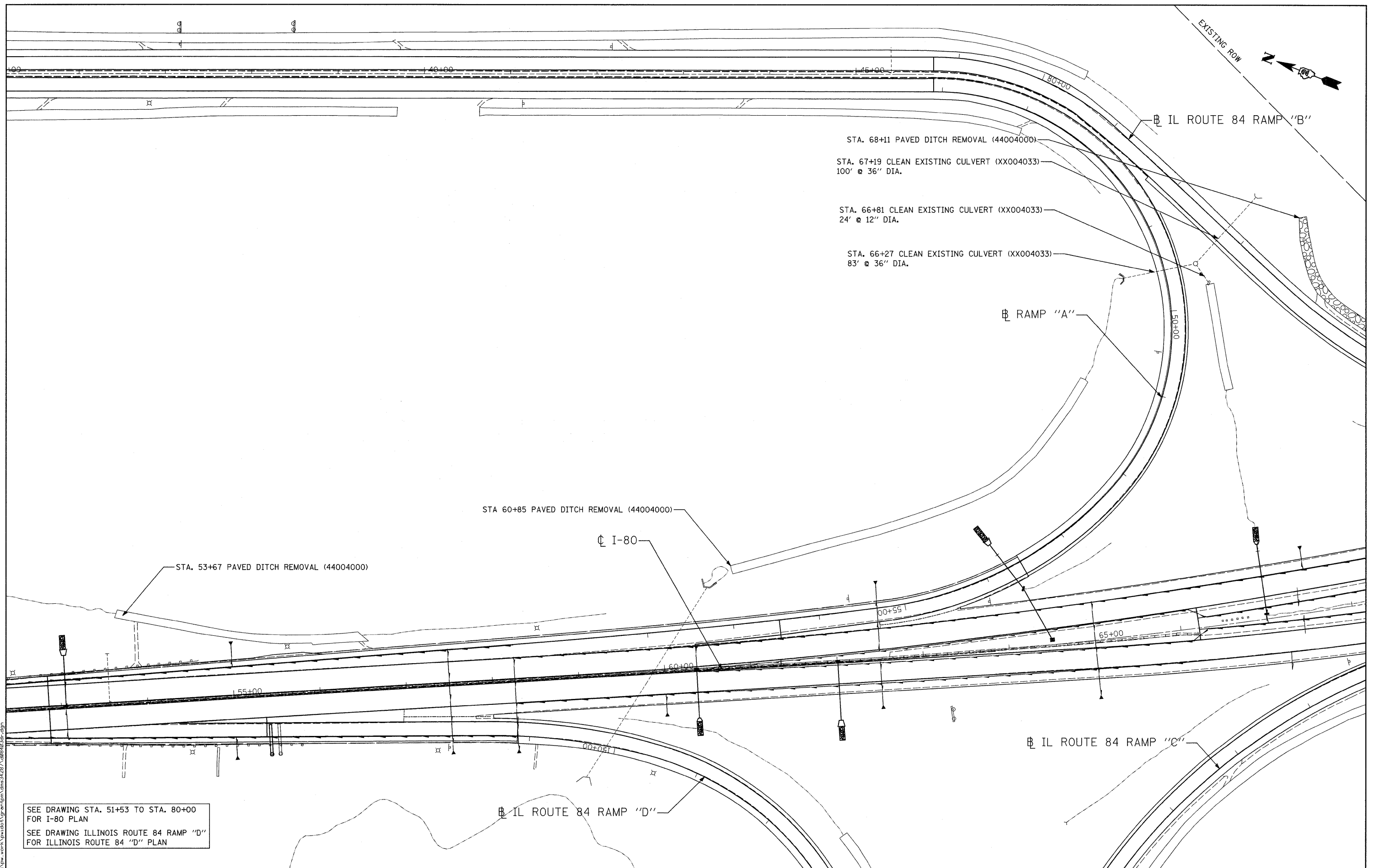
Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

USER NAME = grantpm	DESIGNED - AL	REVISED -
PLOT SCALE = 50.0000' / IN.	DRAWN - EPS	REVISED -
PLOT DATE = Mon Dec 15 08:36:36	CHECKED - DMM	REVISED -
	DATE - Mon Dec 15 08:36:36	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-80 PROPOSED DRAINAGE PLAN STA. 164 + 00 TO STA. 191 + 50	
SCALE: 1" = 50'	SHEET NO. OF SHEETS

F.A.I. RTE. 80	SECTION (81-1)R-1	COUNTY ROCK ISLAND	TOTAL SHEETS 292	SHEET NO. 148
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64933	



SEE DRAWING STA. 51+53 TO STA. 80+00 FOR I-80 PLAN
 SEE DRAWING ILLINOIS ROUTE 84 RAMP "D" FOR ILLINOIS ROUTE 84 "D" PLAN

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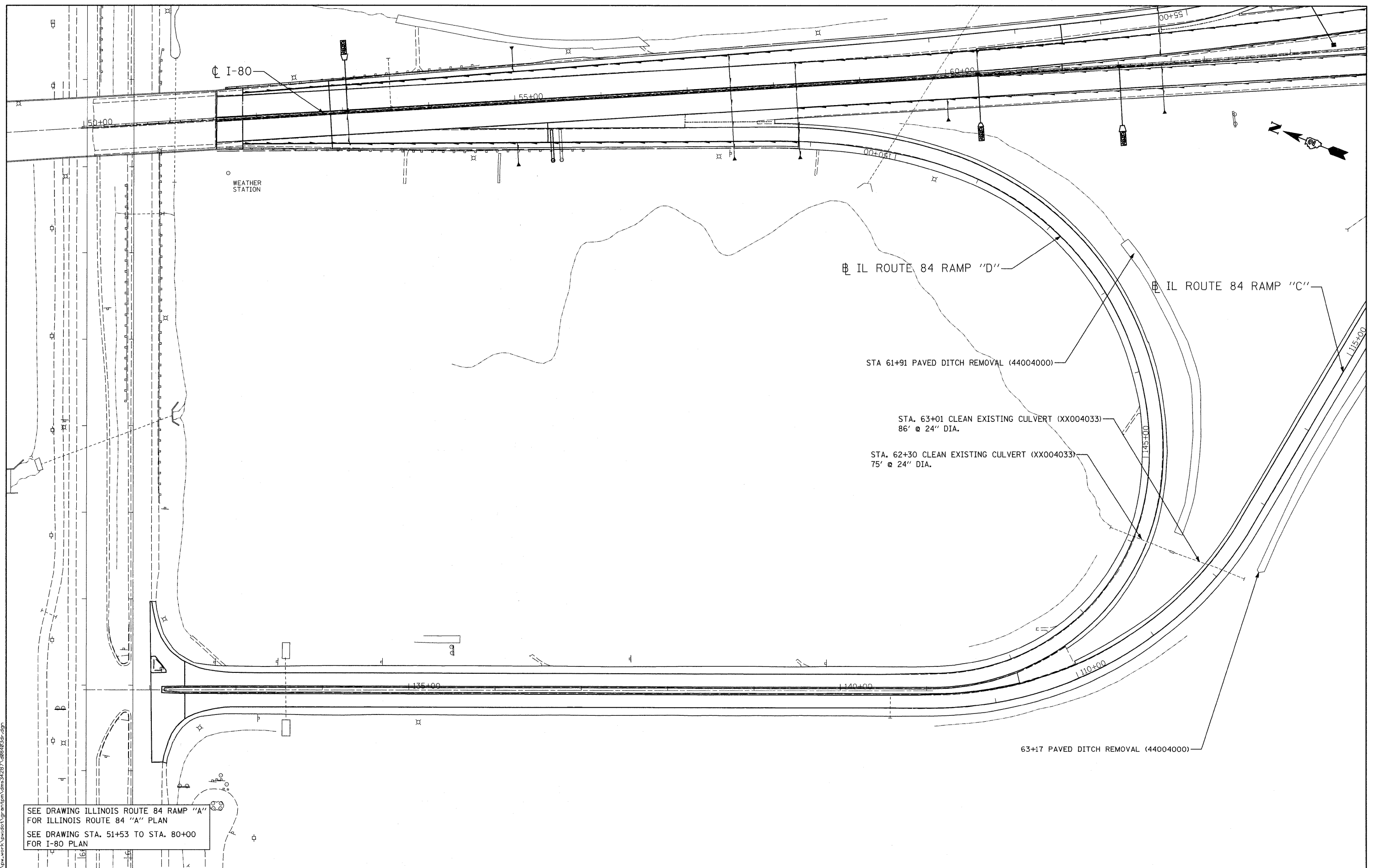
Ciorba Group, Inc.
 CONSULTING ENGINEERS
 6507 North Cumberland Avenue, Suite 402
 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014

USER NAME = grantpm	DESIGNED - AL	REVISED -
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DATE = Mon Dec 15 08:36:37	DATE = Mon Dec 15 08:36:37	REVISED 2008

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

I-80 PROPOSED DRAINAGE PLAN ILLINOIS ROUTE 84 RAMP "A"		
SCALE: 1" = 50'	SHEET NO. OF SHEETS	STA. TO STA.

F.A.I. RTE. 80	SECTION (81-1R-1)	COUNTY ROCK ISLAND	TOTAL SHEETS 292	SHEET NO. 149
CONTRACT NO. 64933				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



SEE DRAWING ILLINOIS ROUTE 84 RAMP "A"
FOR ILLINOIS ROUTE 84 "A" PLAN
SEE DRAWING STA. 51+53 TO STA. 80+00
FOR I-80 PLAN

Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

USER NAME = grantpm	DESIGNED - AL	REVISED -
PLOT SCALE = 50,0000' / IN.	DRAWN - EPS	REVISED -
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DATE = Mon Dec 15 08:36:38 2008	DATE = Mon Dec 15 08:36:38 2008	

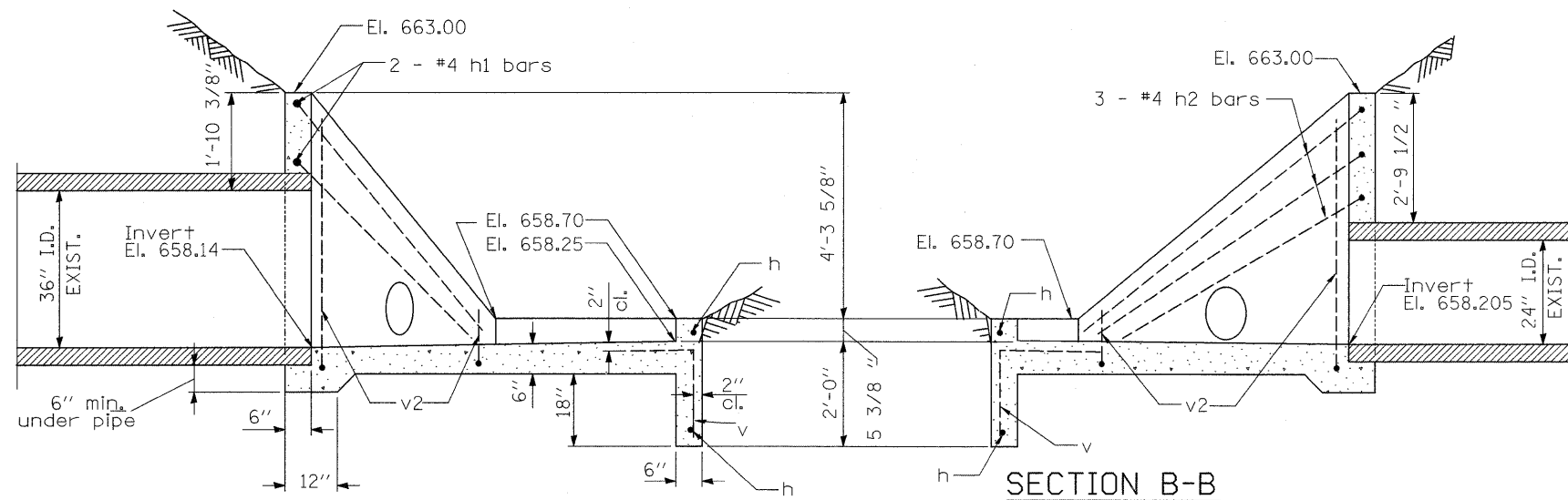
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-80
PROPOSED DRAINAGE PLAN
ILLINOIS ROUTE 84 RAMP "D"**

SCALE: 1" = 50' SHEET NO. OF SHEETS STA. TO STA.

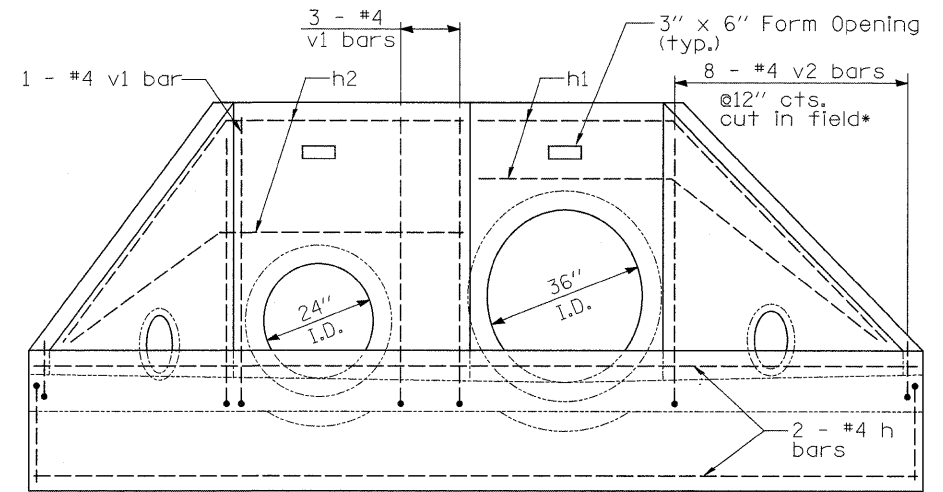
F.A.I. RTE. 80	SECTION (81-1)R-1	COUNTY ROCK ISLAND	TOTAL SHEETS 292	SHEET NO. 150
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64933	

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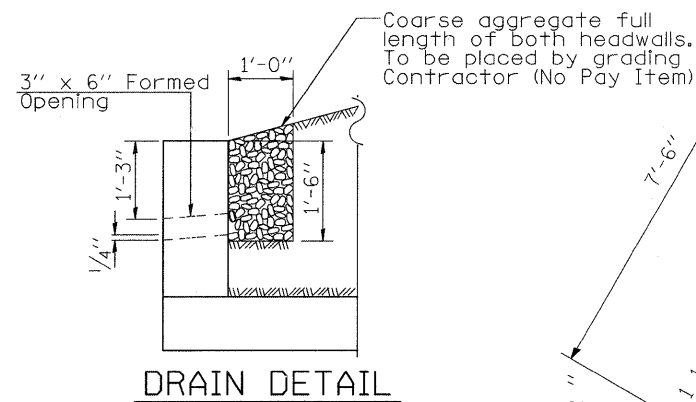


SECTION A-A

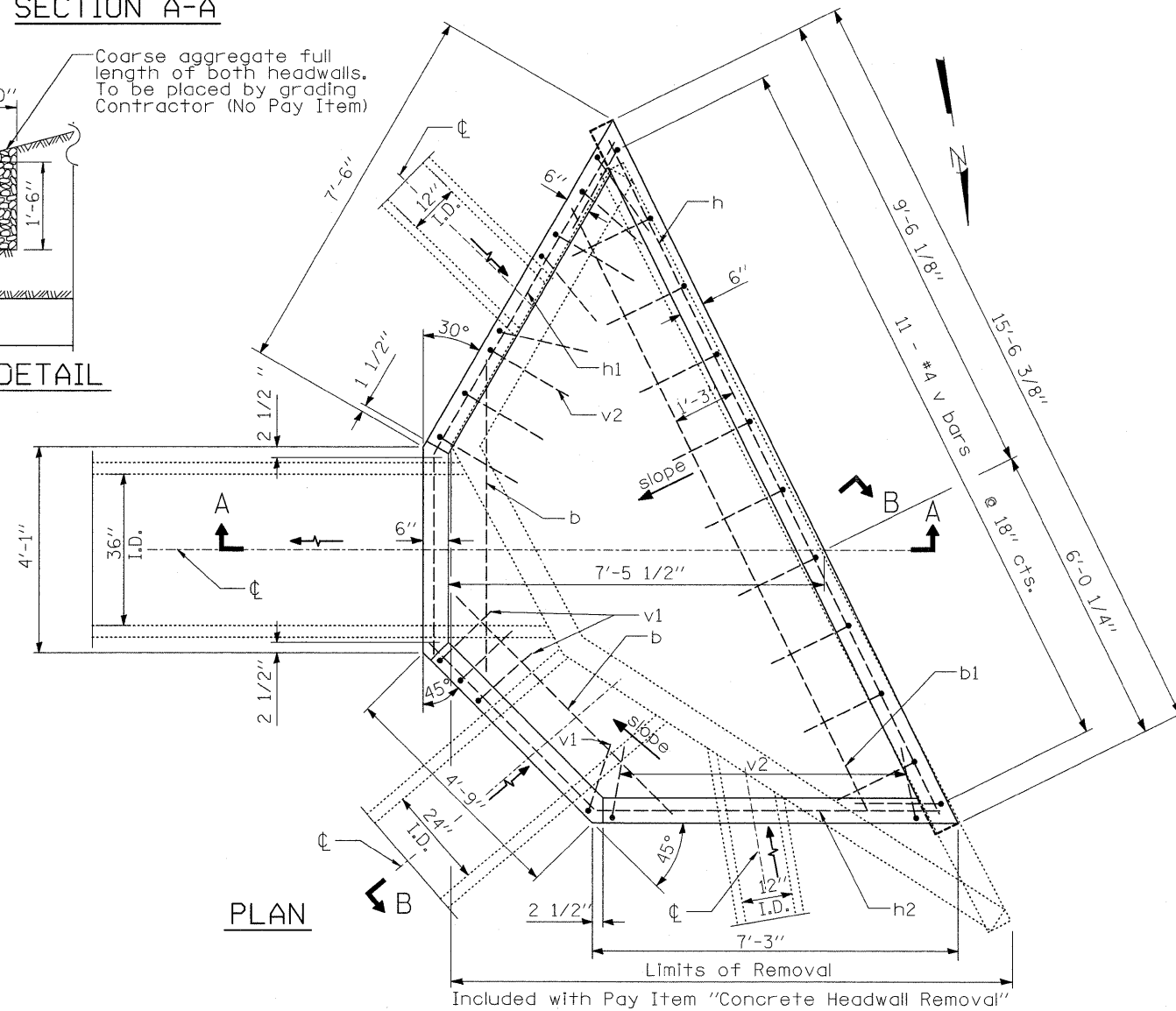
SECTION B-B



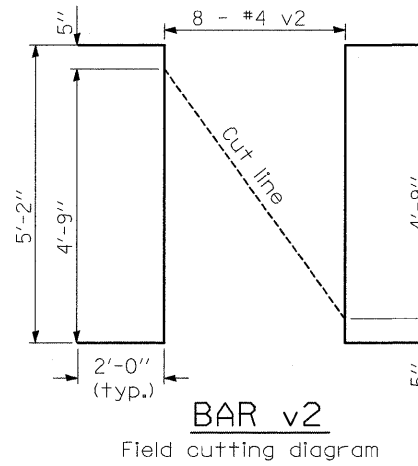
END ELEVATION



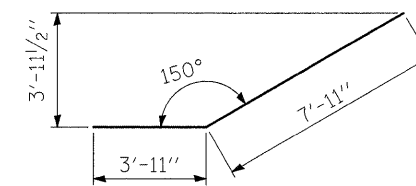
DRAIN DETAIL



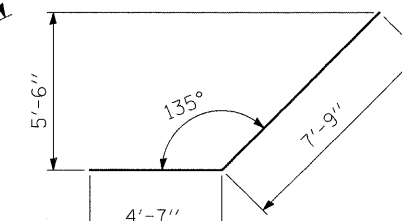
PLAN



BAR v2
Field cutting diagram

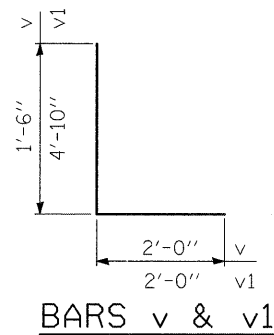


BAR h1



BAR h2

* Use the remainder of the cut v2 bar for the other wingwall



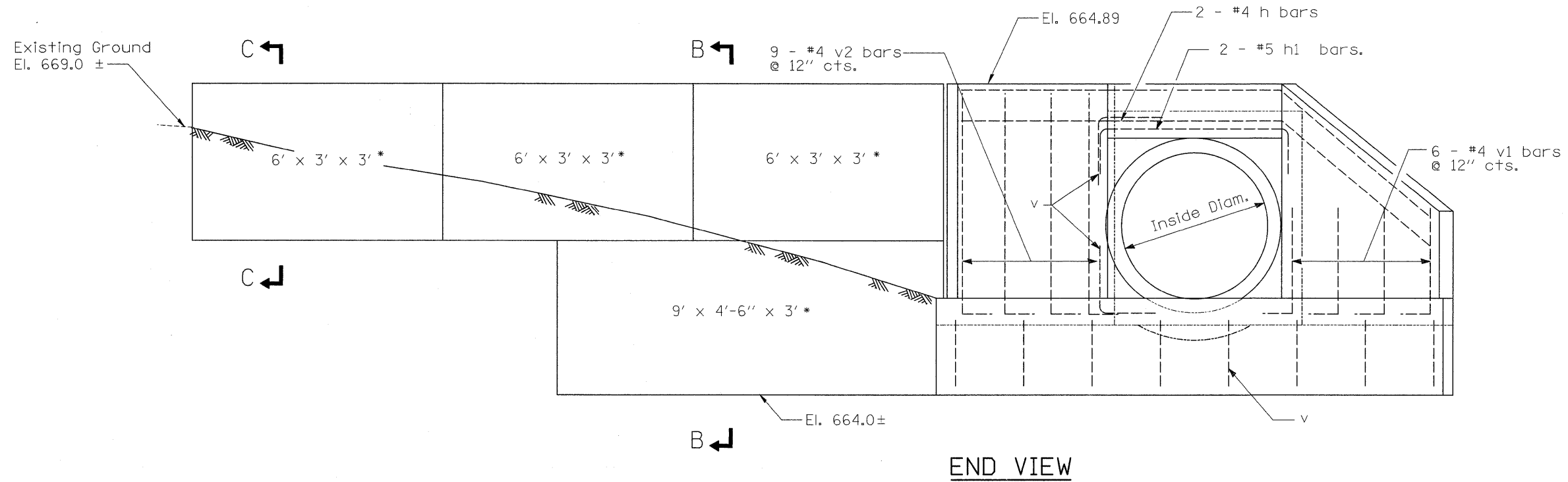
BARS v & v1

BILL OF MATERIAL

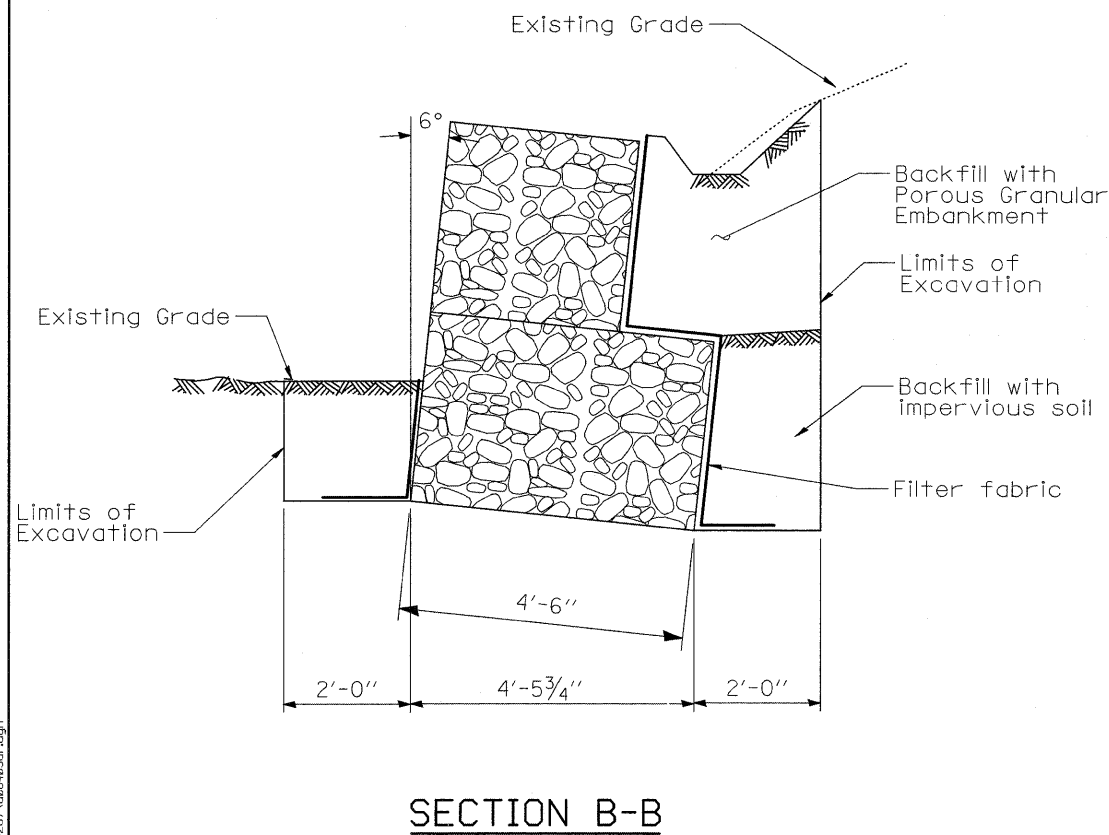
Bar	No.	Size	Length	Shape
b	2	#4	6'-0"	—
b1	1	#4	13'-4"	—
h	2	#4	15'-0"	—
h1	2	#4	11'-10"	—
h2	3	#4	12'-4"	—
v	11	#4	3'-6"	—
v1	4	#4	6'-10"	—
v2	8	#4	9'-2"	—
Concrete Structures		Cu. Yd.	3.4	
Reinforcement Bars		Pound	160	
Concrete Headwall Removal		Cu. Yd.	2.9	
Tree Removal (Over 15 units diameter)		Each	1	

CULVERT NO. 10
REINFORCED CONCRETE END SECTION
STA. 135+30 209.2 FT RT.

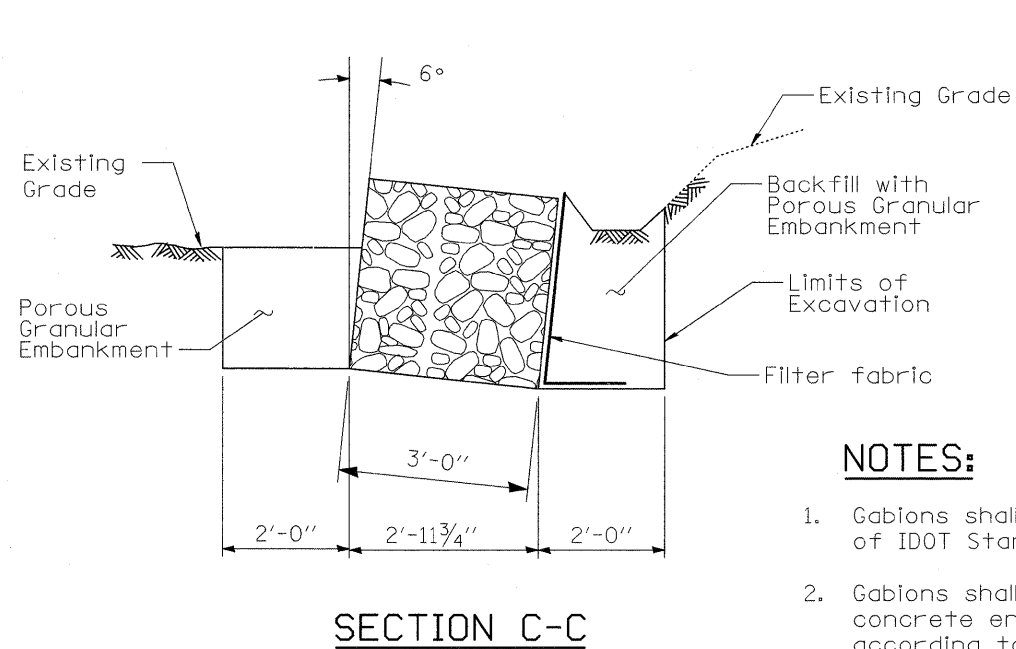
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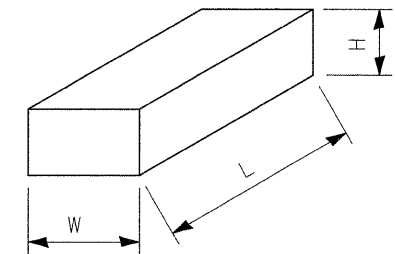
END VIEW



SECTION B-B



SECTION C-C



* Gabiion dimensions are L x W x H

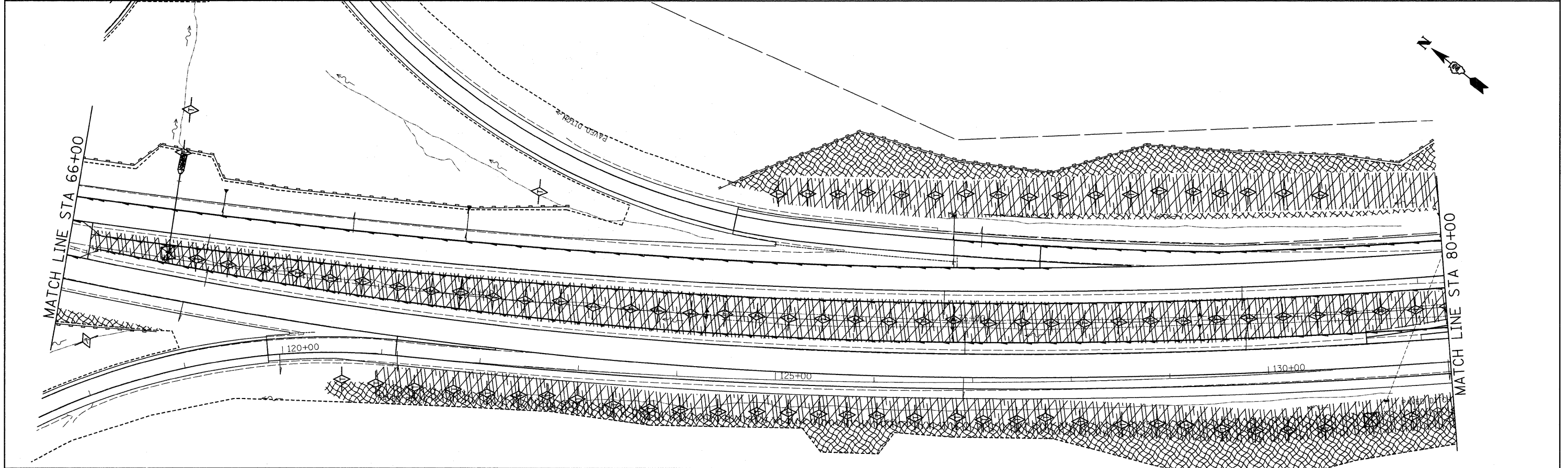
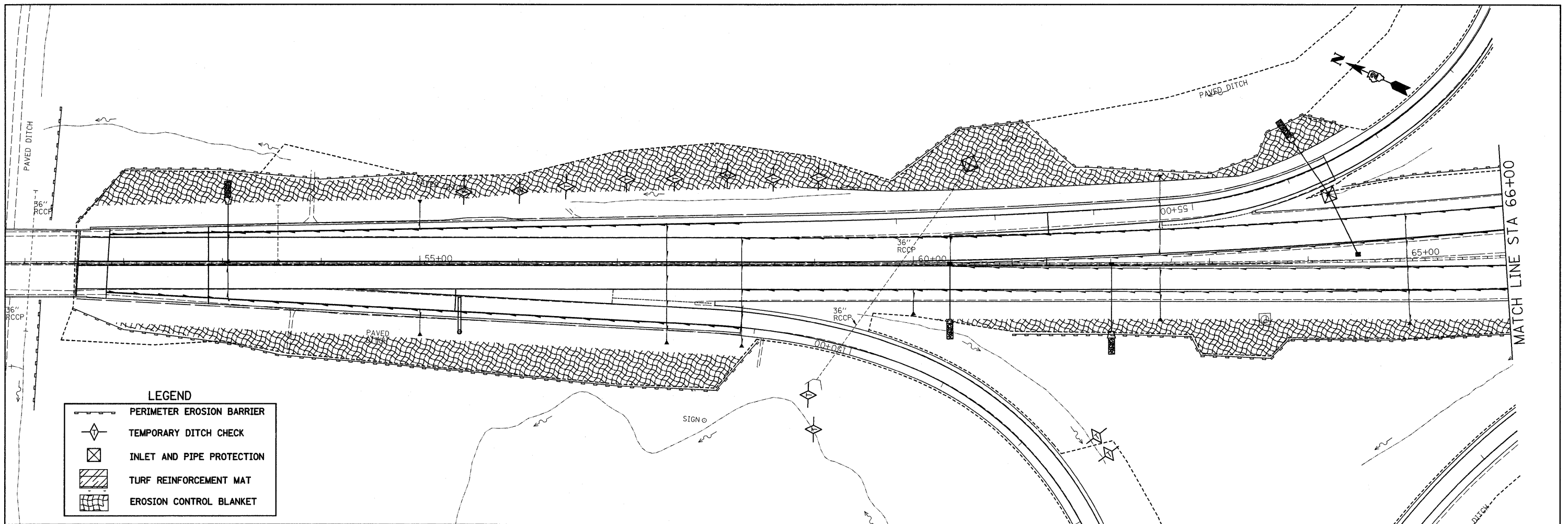
NOTES:

- Gabiions shall conform the requirements of Section 284 of IDOT Standard Specifications.
- Gabiions shall be filled with stone or broken concrete from demolished concrete end sections. The stone shall be well graded with dimensions according to Section 284 of IDOT Standard Specifications. The broken concrete shall have a minimum thickness of 6 in. between unbroken surfaces. Concrete showing excessive popping, spalling, cracking, or any other type of disintegration indicating poor resistance to weathering will not be acceptable. No reinforcing steel or other such material shall be protruding from the broken pieces.
- The cost of Excavation for Gabiion wall is included in pay item "Gabiions"

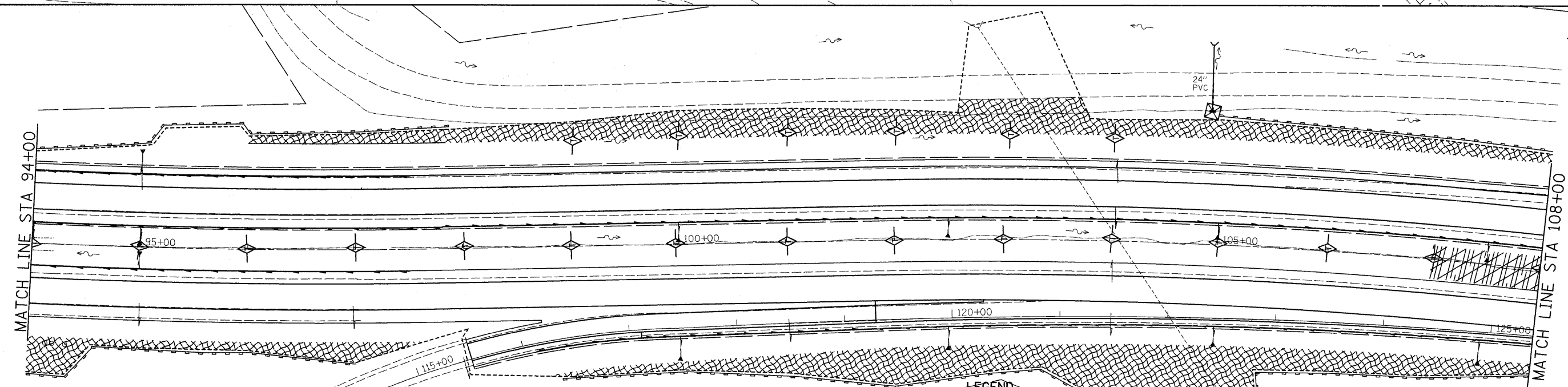
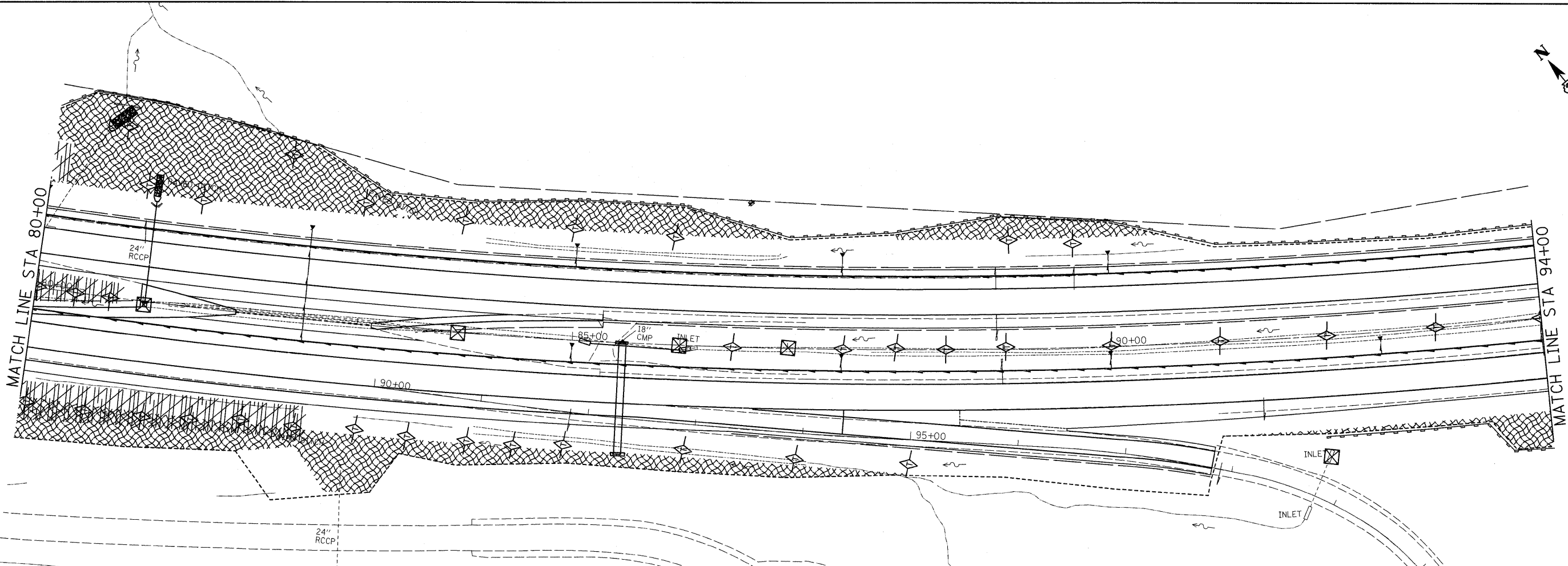
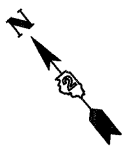
**CULVERT NO. 25
REINFORCED CONCRETE END SECTION
AND GABIION WALL DETAILS
STA. 136+87 242.2 FT LT.**

FILE NAME = c:\p\work\pawidat\granitem\ams34287\db8483dr.dgn

Ciorba Group, Inc. CONSULTING ENGINEERS 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656 Tel. 773.775.4009 Fax 773.775.4014	USER NAME = granitem	DESIGNED - EKM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-80 PROPOSED DRAINAGE STRUCTURES			F.A.I. RTE. 80	SECTION (81-1R-1)	COUNTY ROCK ISLAND	TOTAL SHEETS 292	SHEET NO. 153
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PLOT DATE = Mon Dec 15 08:36:41	DATE - 08/2008	REVISED -	FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT						



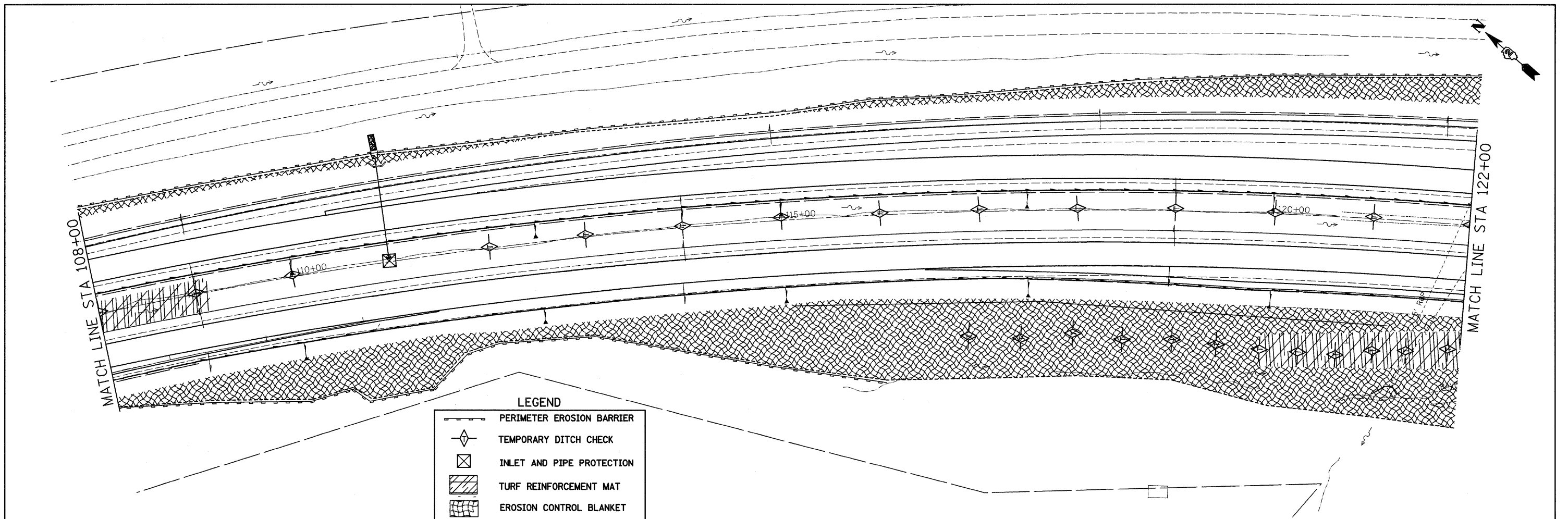
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PLOT DATE = Mon Dec 15 08:34:14 2008		DATE -	REVISED -					CONTRACT NO. 64933				



LEGEND

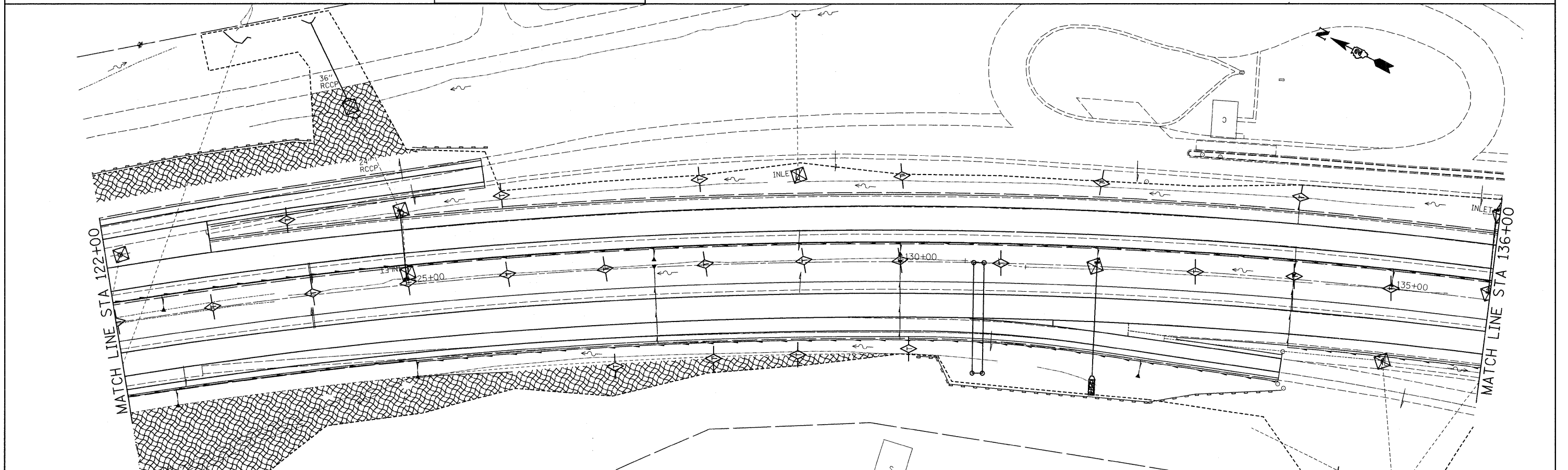
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	TEMPORARY DITCH CHECK
	INLET AND PIPE PROTECTION
	TURF REINFORCEMENT MAT
	EROSION CONTROL BLANKET

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-80 EROSION CONTROL	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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						CONTRACT NO. 64933					

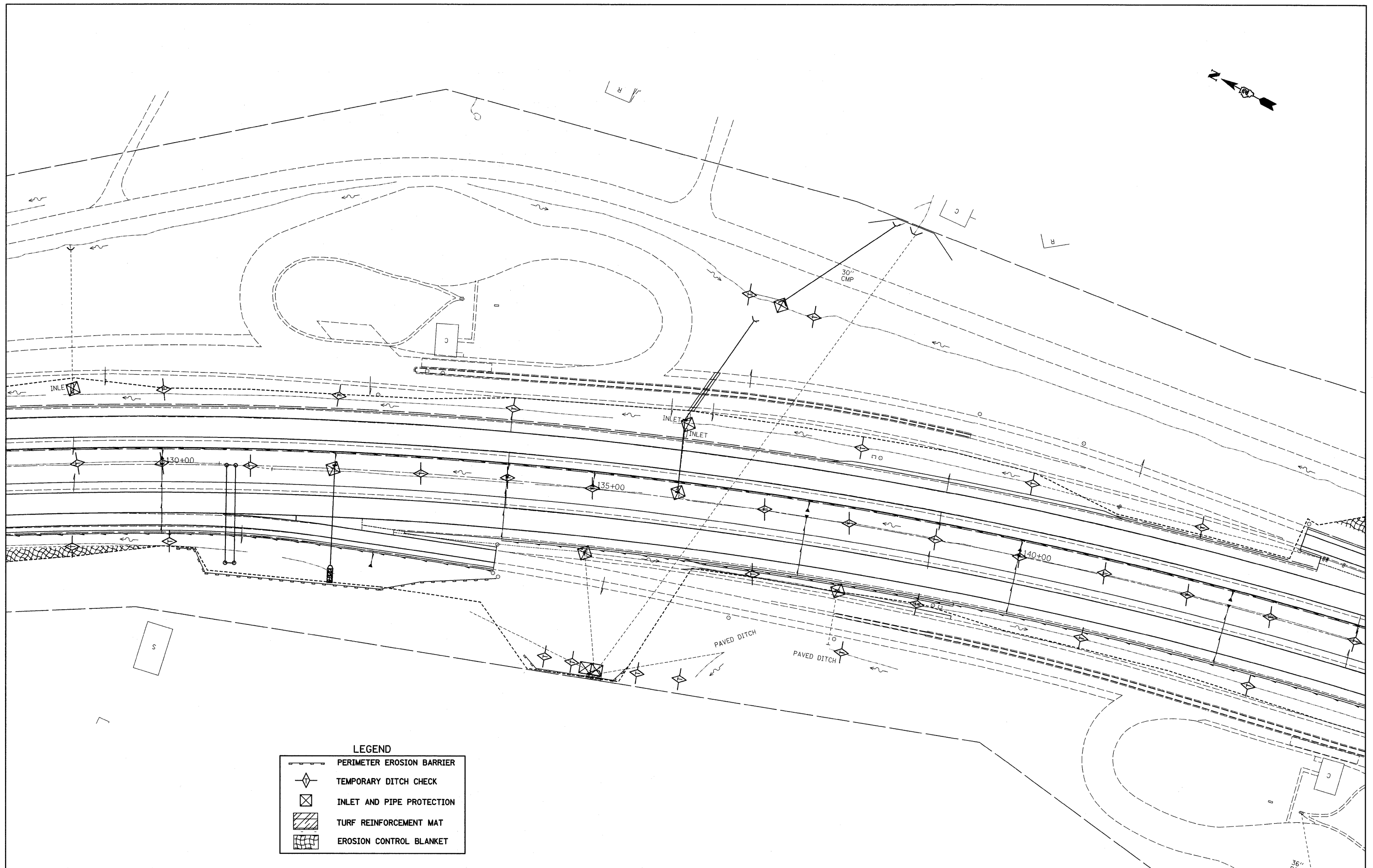


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	PERIMETER EROSION BARRIER
	TEMPORARY DITCH CHECK
	INLET AND PIPE PROTECTION
	TURF REINFORCEMENT MAT
	EROSION CONTROL BLANKET



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LEGEND

	PERIMETER EROSION BARRIER
	TEMPORARY DITCH CHECK
	INLET AND PIPE PROTECTION
	TURF REINFORCEMENT MAT
	EROSION CONTROL BLANKET

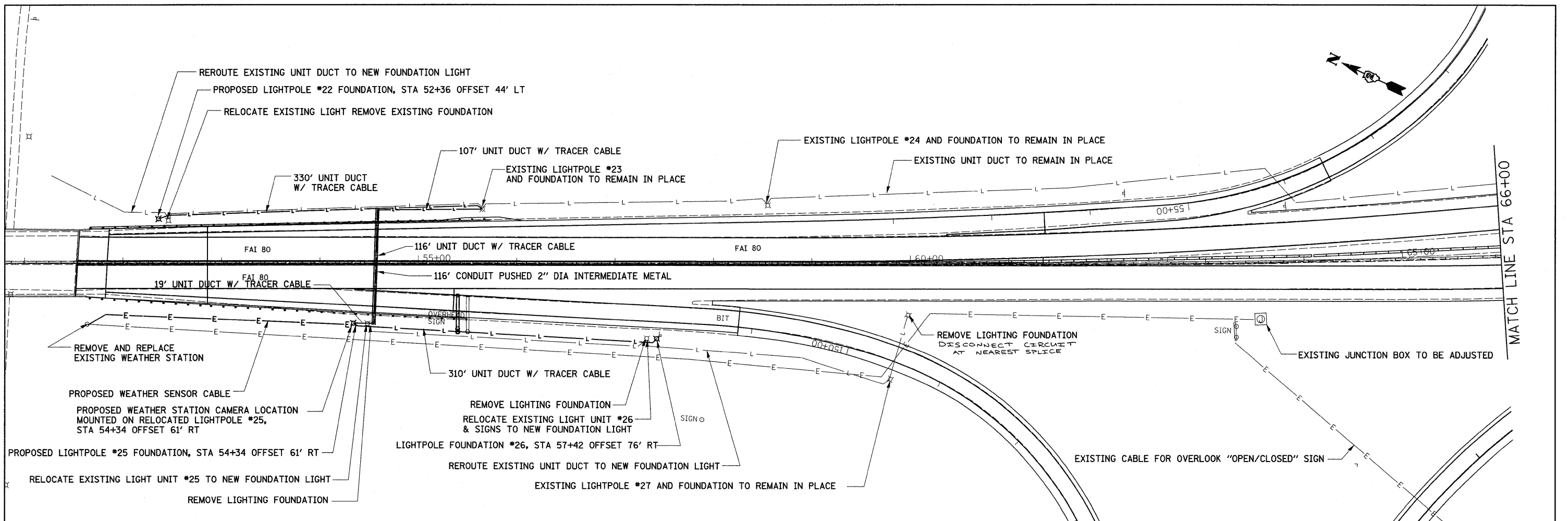
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-80 EROSION CONTROL

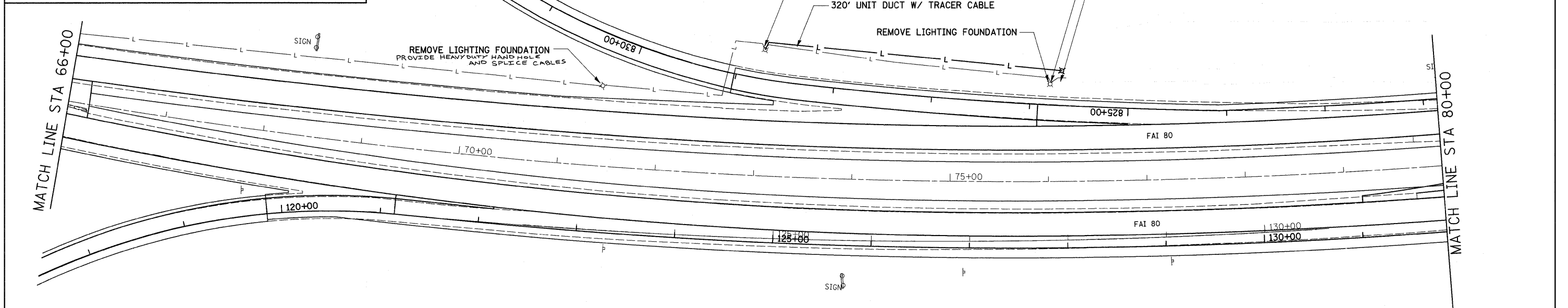
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64933	

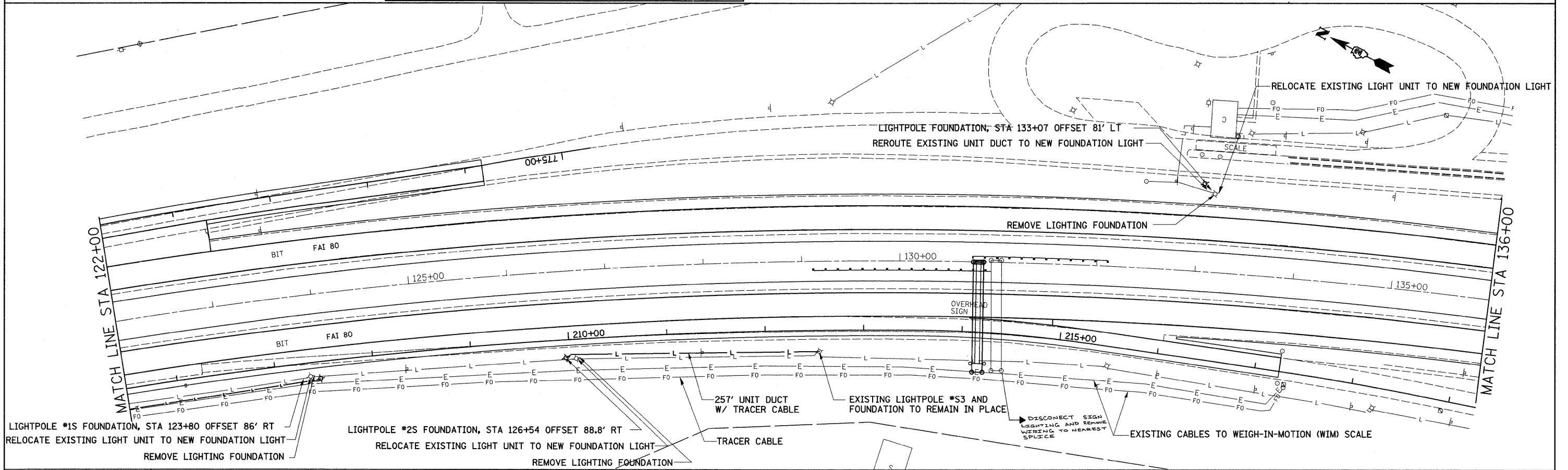
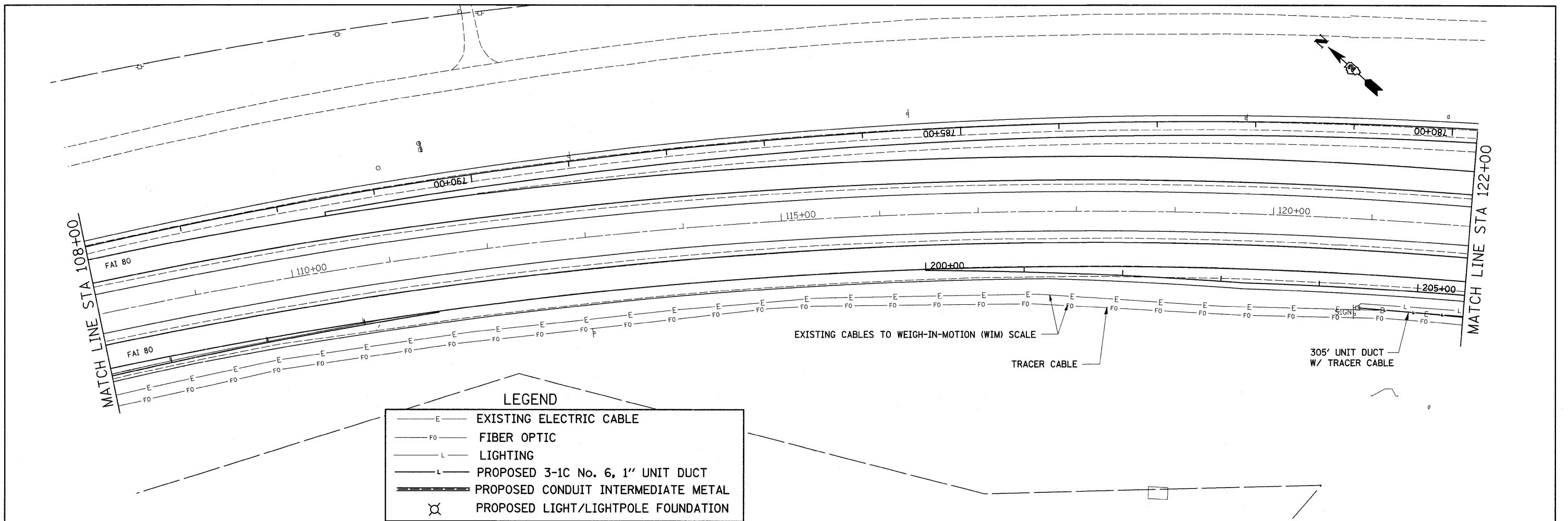


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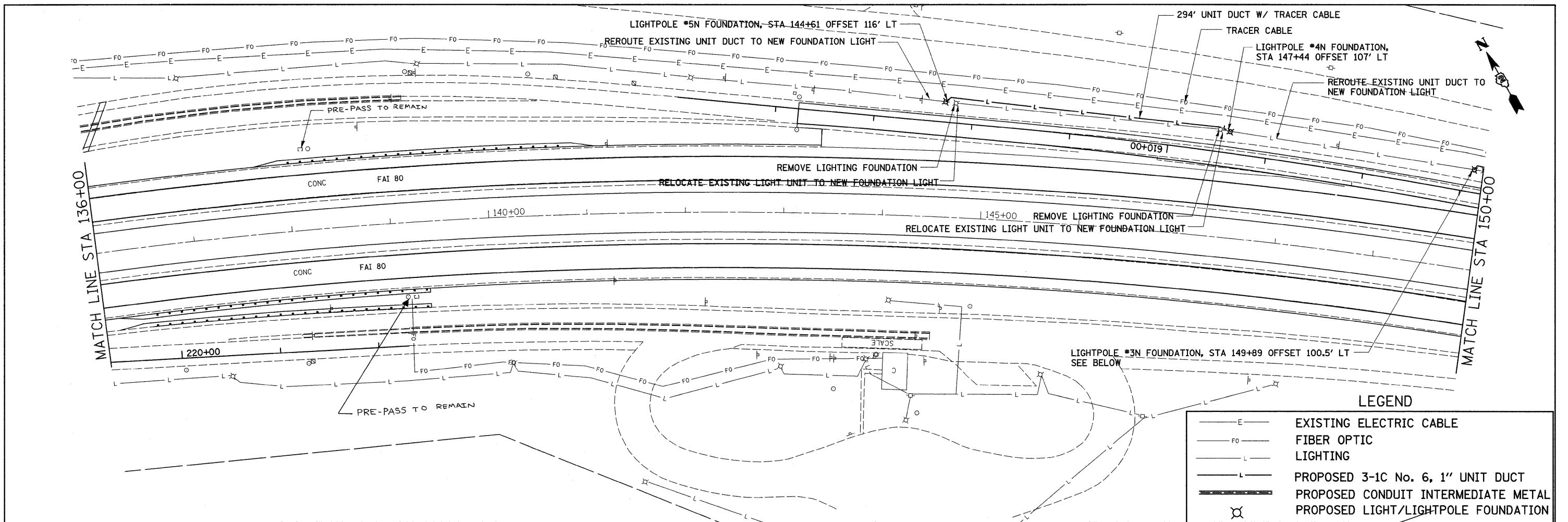
	EXISTING ELECTRIC CABLE
	FIBER OPTIC
	LIGHTING
	PROPOSED 3-1C No. 6, 1" UNIT DUCT
	PROPOSED CONDUIT INTERMEDIATE METAL
	PROPOSED LIGHT/LIGHTPOLE FOUNDATION



FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-80 ELECTRICAL DETAILS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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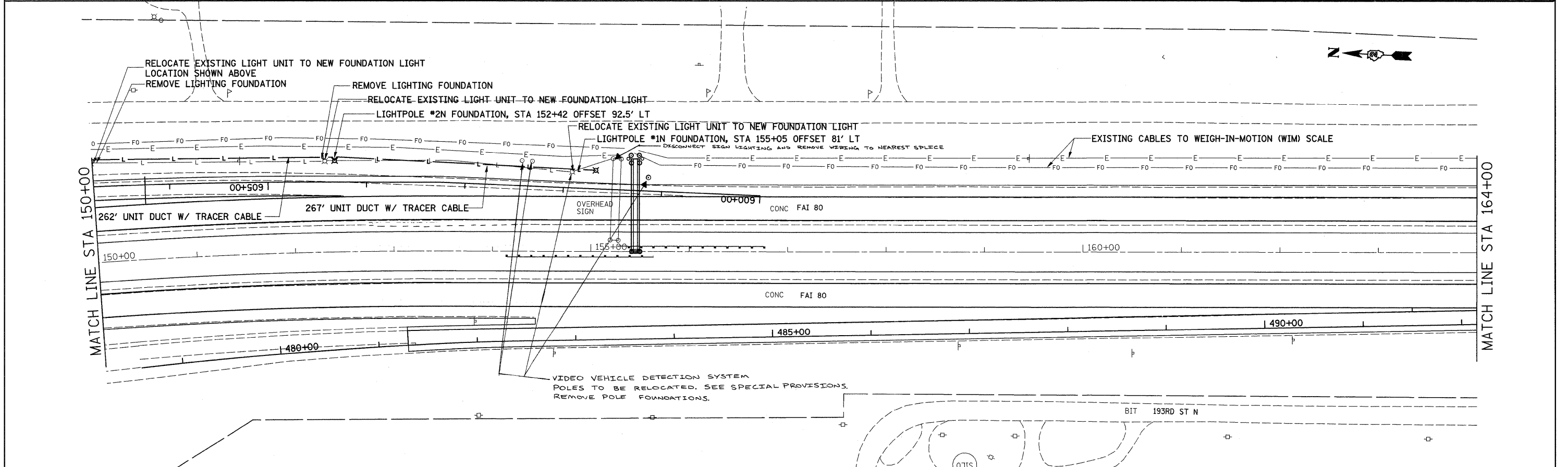


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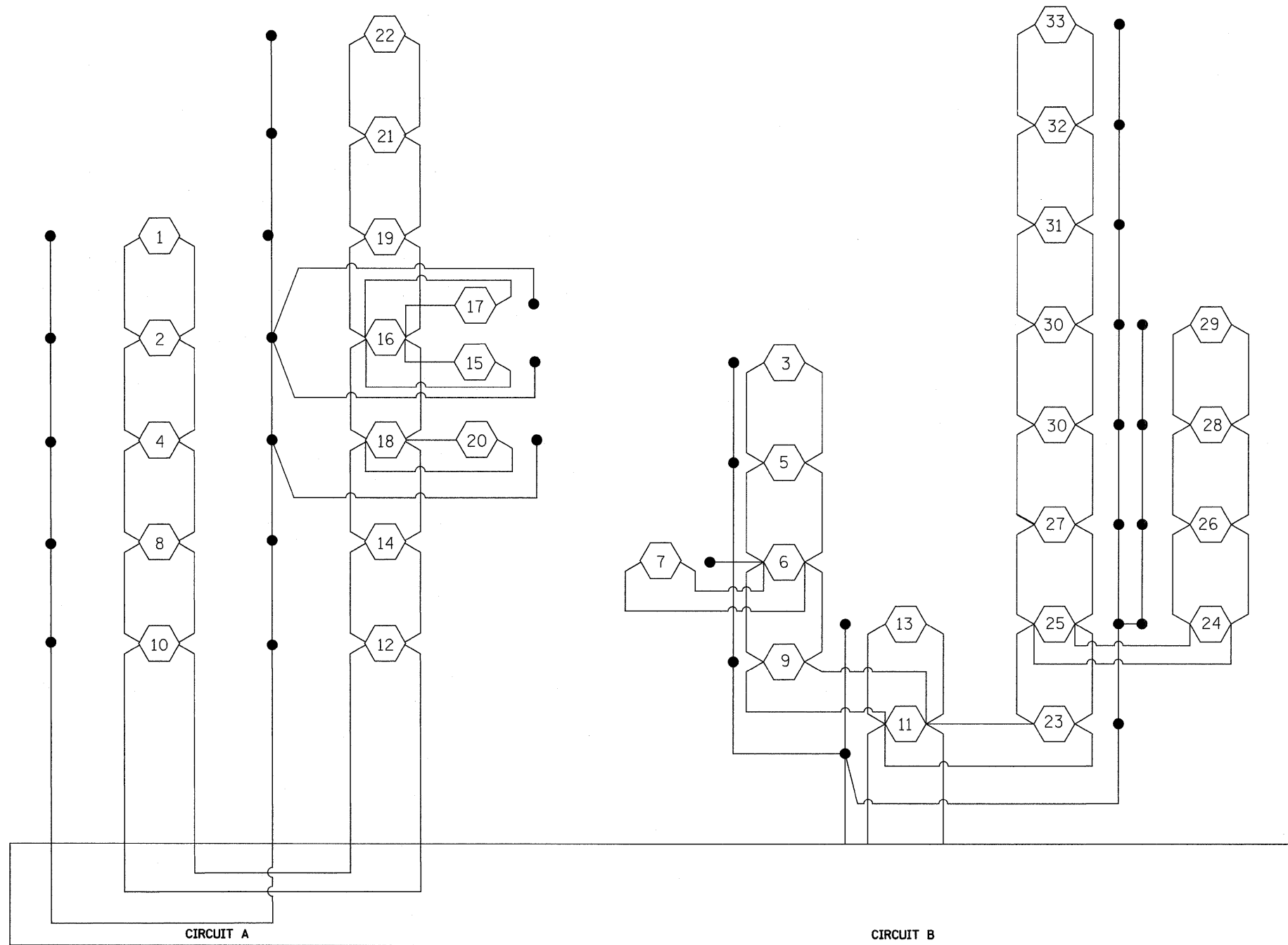
LEGEND

	EXISTING ELECTRIC CABLE
	FIBER OPTIC
	LIGHTING
	PROPOSED 3-1C No. 6, 1" UNIT DUCT
	PROPOSED CONDUIT INTERMEDIATE METAL
	PROPOSED LIGHT/LIGHTPOLE FOUNDATION

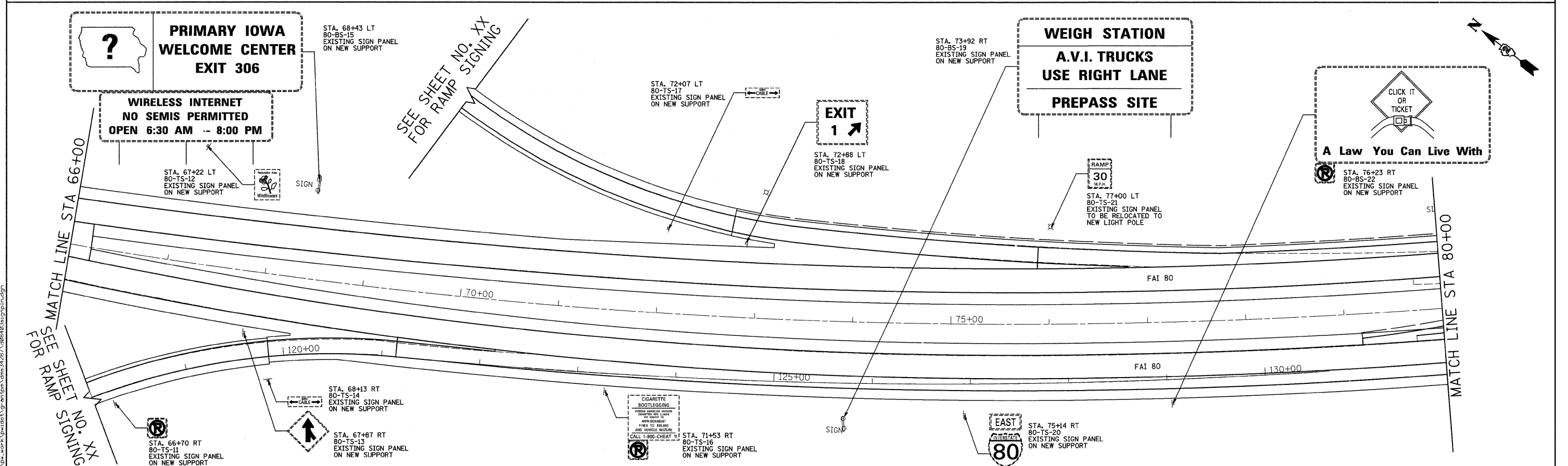
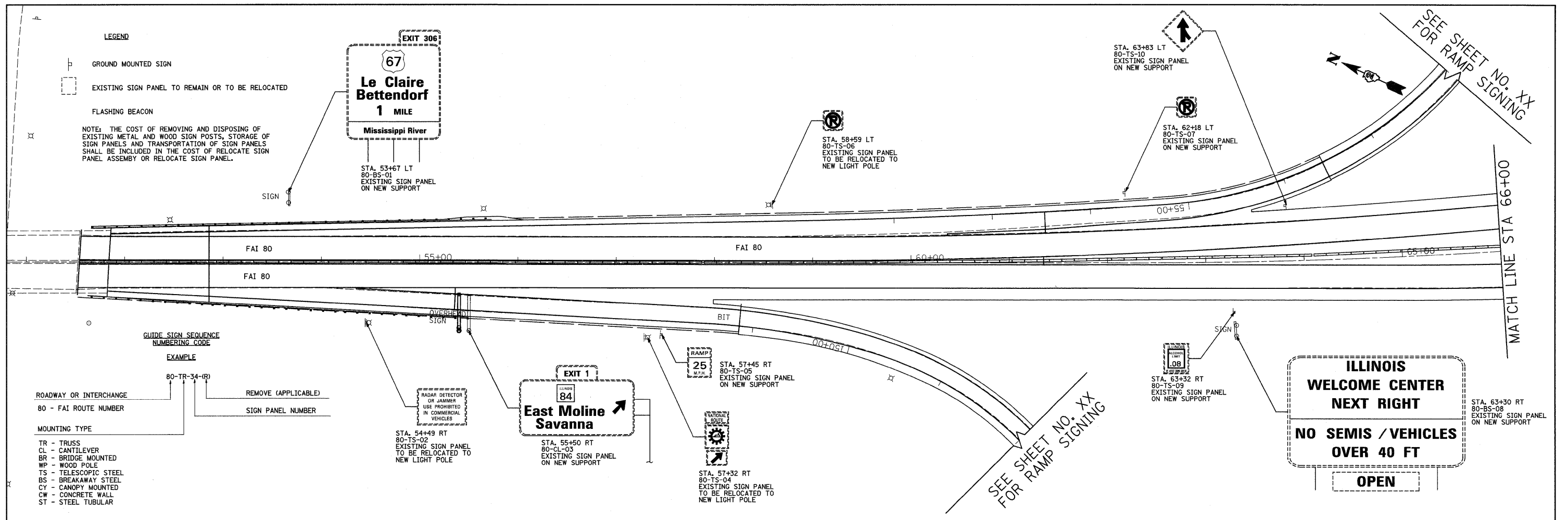


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PLOT DATE = Mon Dec 15 08:32:25 2008		DATE -	REVISED -			SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.

I-80/IL 84 INTERCHANGE
 CBRCS 100-480
 LIGHTING CIRCUIT FROM THE ORIGINAL LIGHTING PLAN DATED 1973
 FOR ALL OTHER SYSTEM WITHIN THIS PROJECT
 CONTACT KYLE LORENZ WITH THE IL DEPT. OF TRANS. (815-284-5469)



FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-80 ELECTRICAL DETAILS				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
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		DATE -	REVISED -								ILLINOIS FED. AID PROJECT				
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Ciorba Group, Inc.
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 5507 North Cumberland Avenue, Suite 402
 Chicago, Illinois 60656
 Tel. 773.775.4059 Fax 773.775.4014

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	DATE	REVISED -

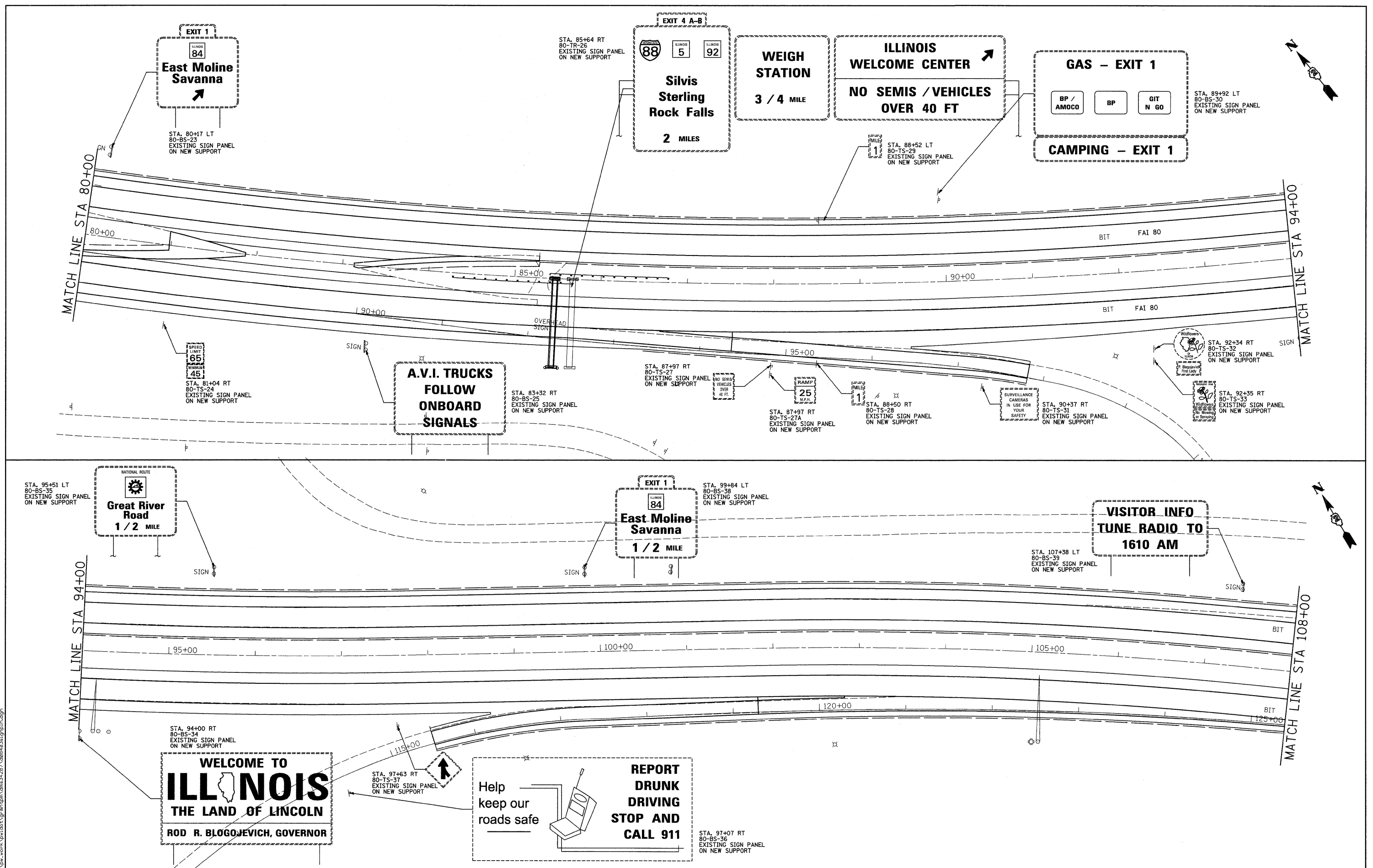
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

I-90 SIGN LOCATION PLAN

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 64933				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

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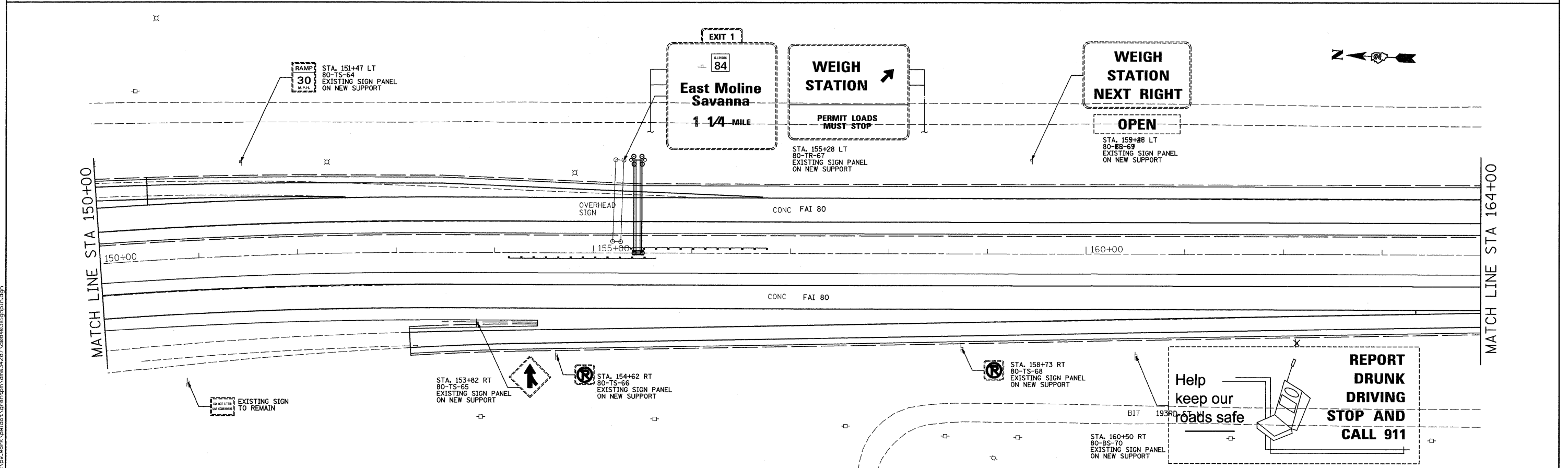
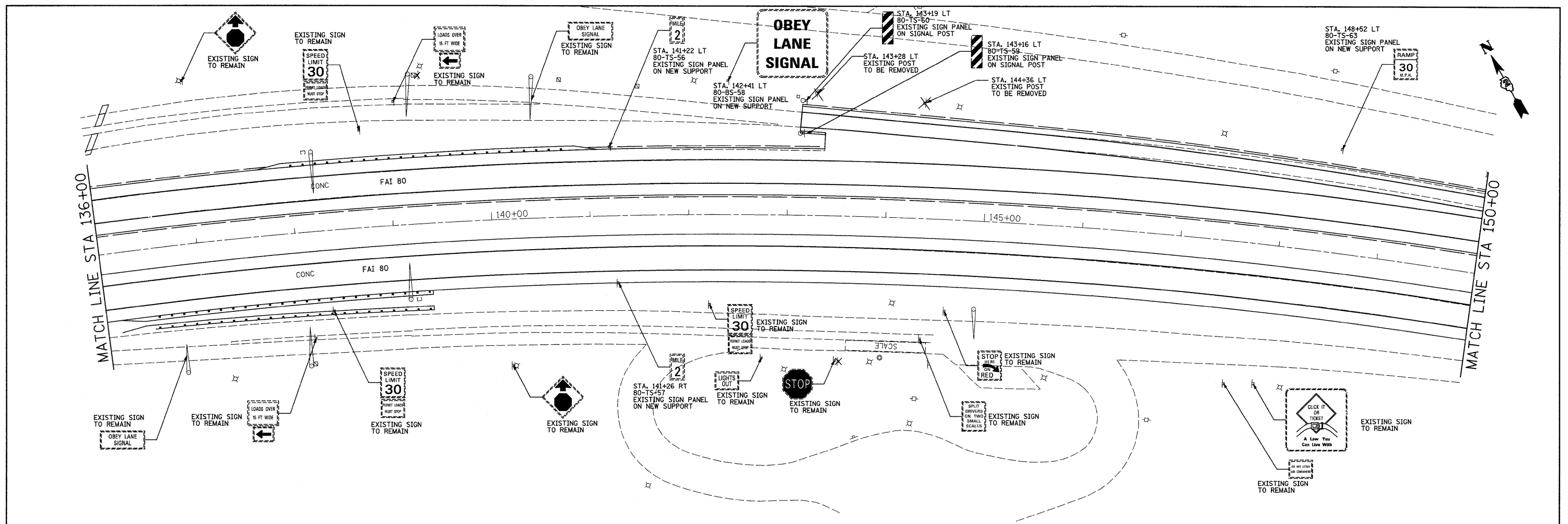
CG
Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402
 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014

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	DATE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-90 SIGN LOCATION PLAN			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 64933				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				



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Ciorba Group, Inc.
CONSULTING ENGINEERS
6507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

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DATE	DATE	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-80 SIGN LOCATION PLAN

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

F.A.I. RTE. 80	SECTION (81-1R-1)	COUNTY ROCK ISLAND	TOTAL SHEETS 292	SHEET NO. 169
CONTRACT NO. 64933				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

GENERAL NOTES

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications")

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 90 M.P.H. WIND VELOCITY

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

DESIGN STRESSES:
Field Units
f_c = 3,500 p.s.i.
f_y = 60,000 p.s.i. (reinforcement)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes (Steel and Aluminum) and the Standard Specifications.

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B with a minimum yield of 35,000 p.s.i., or A500 Grade B or C with a minimum yield of 46,000 p.s.i. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53.

All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W*. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer. The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO M164 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 (f) (2)d of the IDOT Standard Specifications for Road and Bridge Construction. Rotational capacity ("ROCAP") testing of bolts will not be required.

U-BOLTS AND EYEBOLTS: U-Bolts and Eyebolts must be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished stainless steel, or an equivalent material acceptable to the Engineer. All nuts for U-Bolts and Eyebolts must be lock nuts equivalent to ASTM A307 with nylon or steel inserts and hot dip galvanized per AASHTO M232. A stainless steel flat washer conforming to ASTM A240, Type 302 or 304, is required under each U-Bolt and Eyebolt lock nut.

GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

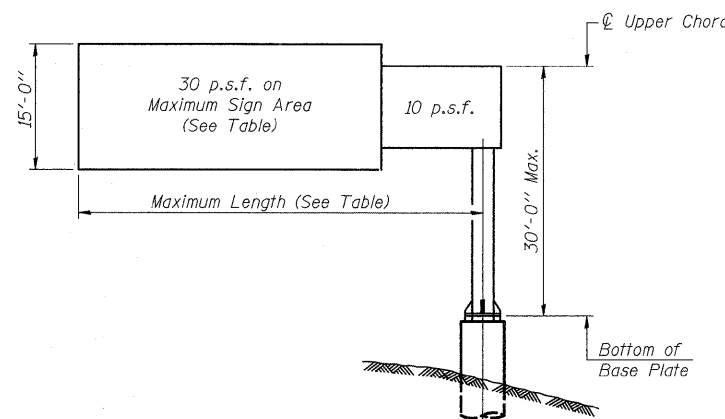
ANCHOR RODS: Shall conform to AASHTO M314 Gr. 55 with a minimum Charpy V-Notch (CVN) energy of 15 lb.-ft. at 10° F.

CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Bridge Seat Sealer in accordance with the Standard Specifications.

REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

Structure Number	Station	Design Truss Type	Cantilever Length (L)	Elev. A	Dim. D	D _s	Total Sign Area
2C0811080R000.4	55+40.00	III-C-A	39.75 Ft	610.79	21' - 9"	12' - 0"	214 Sq. Ft.

Truss Type	Maximum Sign Area	Maximum Length
I-C-A	170 Sq. Ft.	25 Ft.
II-C-A	340 Sq. Ft.	30 Ft.
III-C-A	400 Sq. Ft.	40 Ft.



DESIGN WIND LOADING DIAGRAM

Parameters shown are basis for I.D.O.T. Standards. Installations not within dimensional limits shown require special analysis for all components.

- ① After adjustments to level truss and insure adequate vertical clearance, all top and leveling nuts shall be tightened against the base plate with a minimum torque of 200 lb.-ft. Stainless steel mesh shall then be placed around the perimeter of the base plate. Secure to base plate with stainless steel banding.

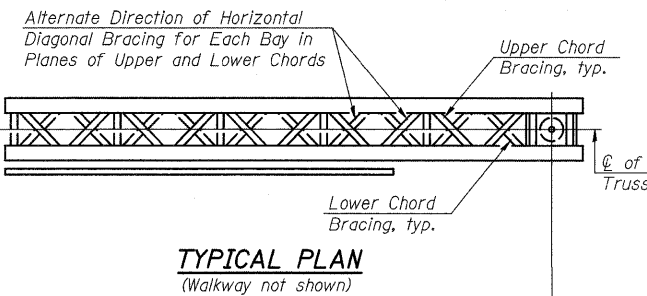
Note:
Trusses shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The contractor is responsible for maintaining the configuration and protection of the trusses.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE I-C-A	Foot	
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE II-C-A	Foot	
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE III-C-A	Foot	39.75
OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	Foot	19.75
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	8.3
REINFORCEMENT BARS, EPOXY COATED	Pound	1,250

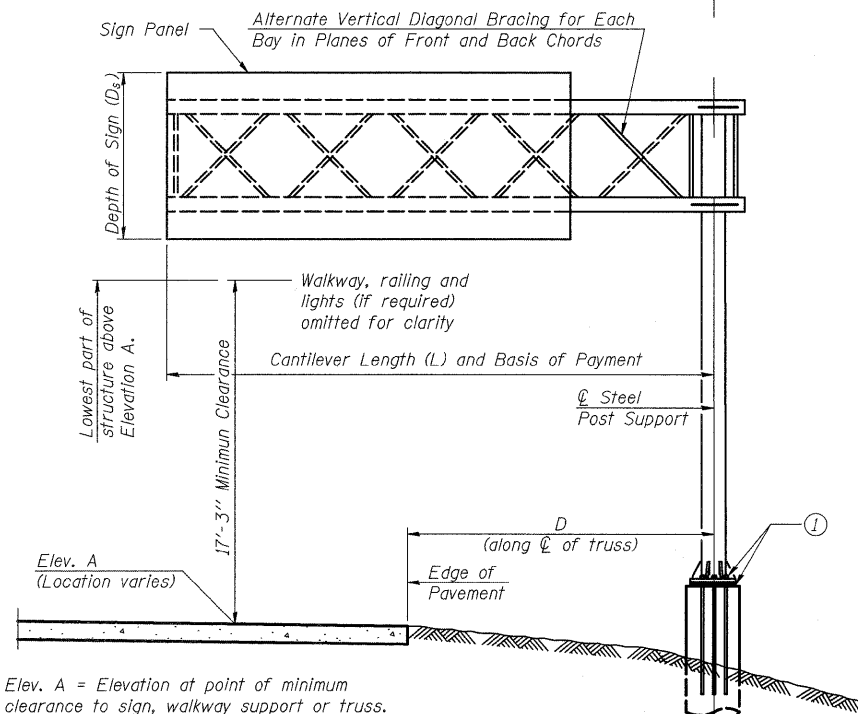
**CANTILEVER SIGN STRUCTURES
GENERAL PLAN & ELEVATION
ALUMINUM TRUSS & STEEL POST**

SHEET NO. 1 OF 9



TYPICAL PLAN

(Walkway not shown)



TYPICAL ELEVATION

Looking in Direction of Traffic

Elev. A = Elevation at point of minimum clearance to sign, walkway support or truss.

Sign support structures may be subject to damaging vibrations and oscillations when sign panels are not in place during erection or maintenance of the structure. To avoid these vibrations and oscillations, consideration should be given to attaching temporary blank sign panels to the structure.

* If M270 Gr. 50W (M222) steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as suitable for galvanizing and welding.

OSC-A-1 5/16/08

DESIGNED	E. Mroczek
CHECKED	-
DRAWN	M. Balog
CHECKED	E. Mroczek

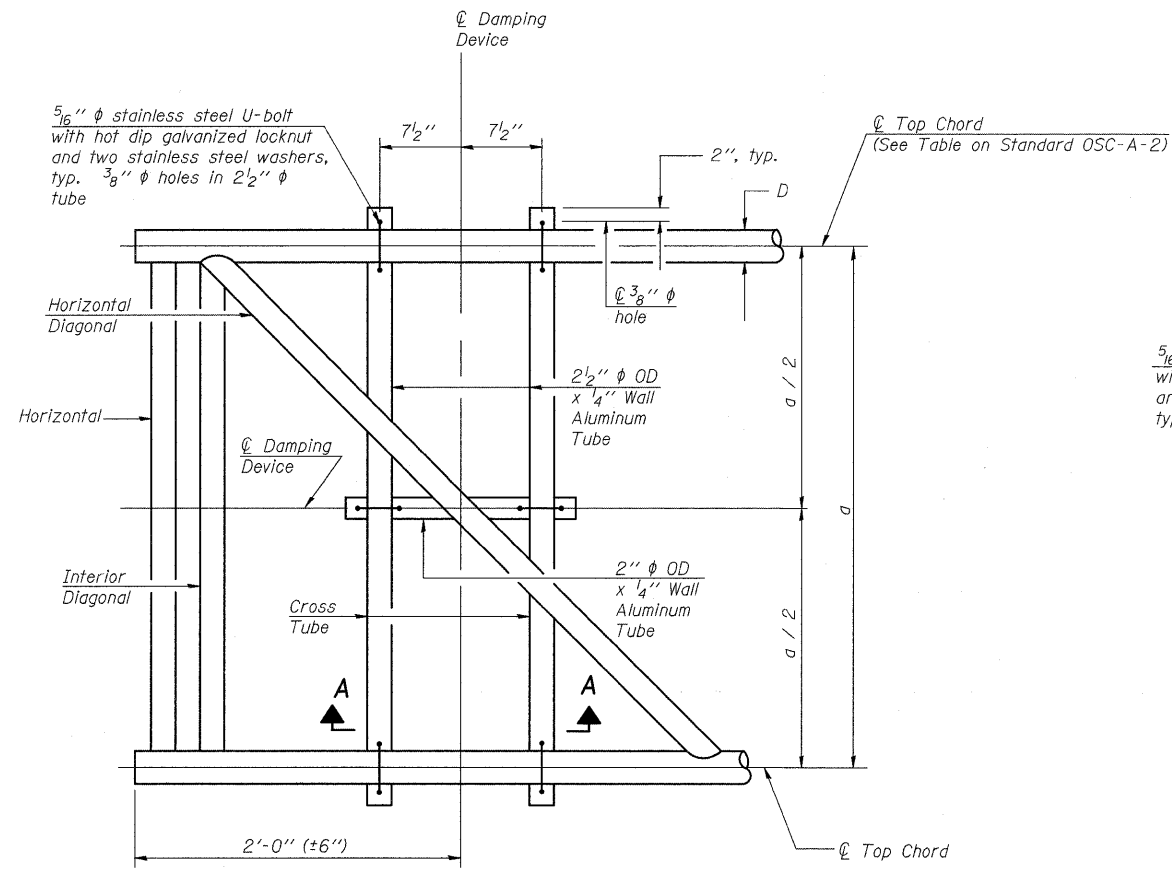


Ciorba Group, Inc.
CONSULTING ENGINEERS

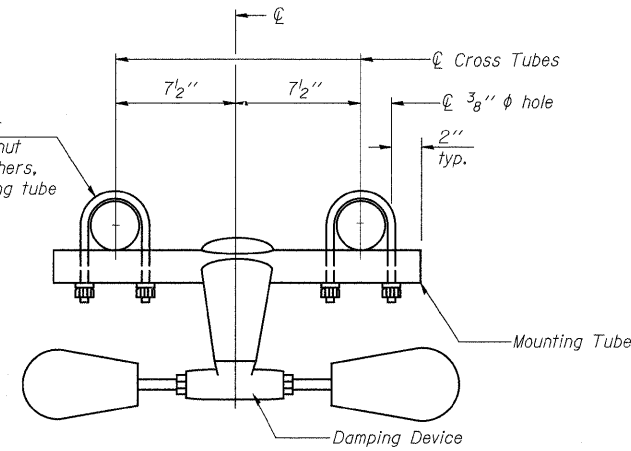
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

NUMBER	REVISION	DATE

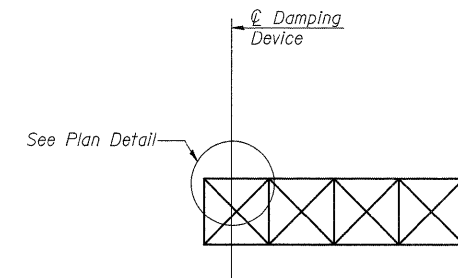
Mon, Dec 15 08:26:09 2008 \$NAME\$



PLAN DETAIL

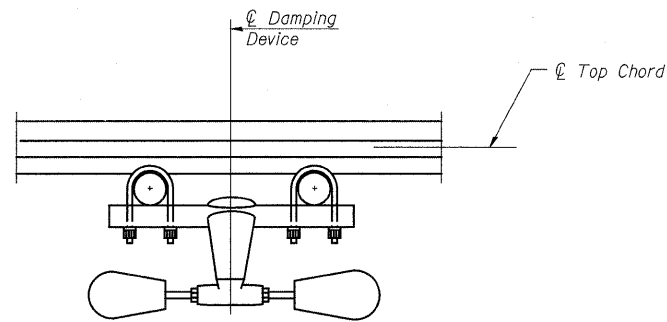


TRUSS DAMPING DEVICE CONNECTION DETAIL

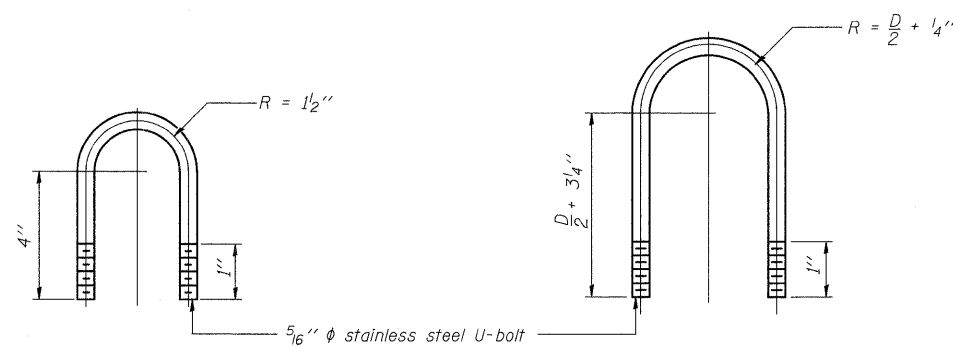


ELEVATION
Aluminum Cantilever Sign Structure

Damper: One damper per truss. (31 lbs. Stockbridge-Type Aluminum)
Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6



SECTION A-A



DAMPING DEVICE MOUNTING TUBE U-BOLT DETAIL
(Typical)

TOP CHORD TO CROSS TUBE U-BOLT DETAIL
(Typical)

CANTILEVER SIGN STRUCTURE DAMPING DEVICE

SHEET NO. 3 OF 9

OSC-A-D 5/16/08

DESIGNED	E. Mroczek
CHECKED	-
DRAWN	M. Balog
CHECKED	E. Mroczek

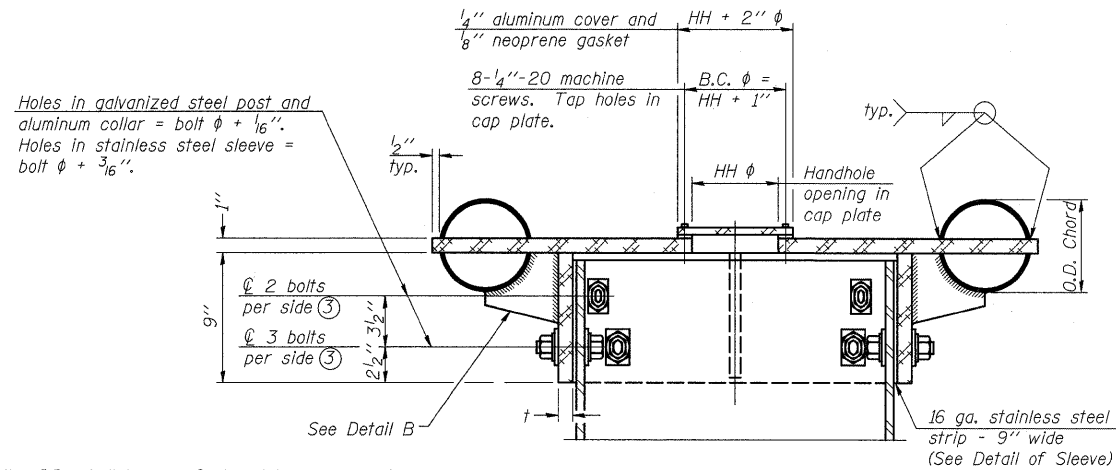


Giorba Group, Inc.
CONSULTING ENGINEERS

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Tel. 773.775.4009 Fax 773.775.4014 Email chicago@giorba.com

FILE NAME =	USER NAME = grantpm	DESIGNED =	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN STRUCTURE DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\grantpm\dms34287\0803signstruc.dgn		DRAWN =	REVISED =			80	(81-1R-1)	ROCK ISLAND	292	174
PLOT SCALE = 5.0000' / IN.		CHECKED =	REVISED =			CONTRACT NO. 64933				
PLOT DATE = Mon Dec 15 08:26:09 2008		DATE =	REVISED =			SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

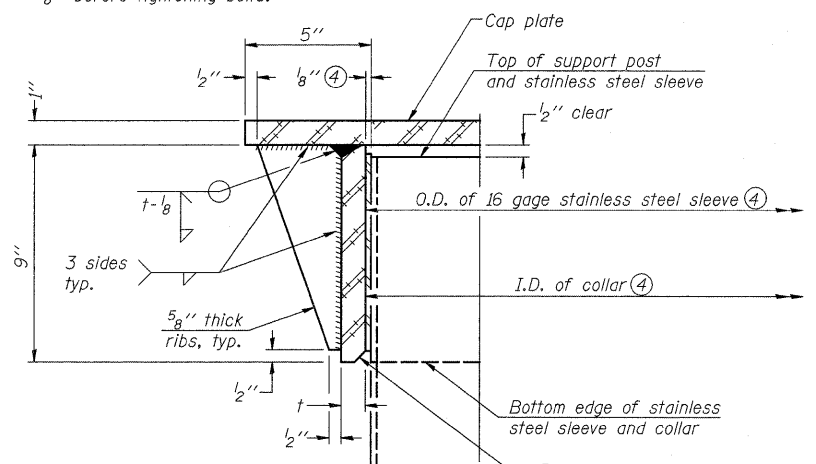
Mon Dec 15 08:26:10 2008 \$NAME\$



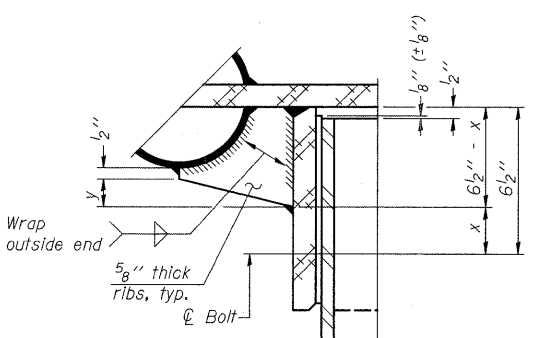
④ Collar I.D. shall be manufactured to correspond to O.D. of actual galvanized post and stainless steel sleeve plus $\frac{1}{8}$ " ($\pm \frac{1}{16}$ "). Maximum gap between post and collar at any location equals $\frac{1}{8}$ " before tightening bolts.

SECTION B-B

Bolts, washers (including contoured washers), and locknuts shall be stainless steel.

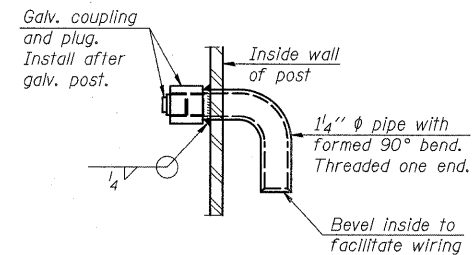


DETAIL A
(Two locations)



DETAIL B

Two locations
(For details not shown, see Detail C)



DETAIL D

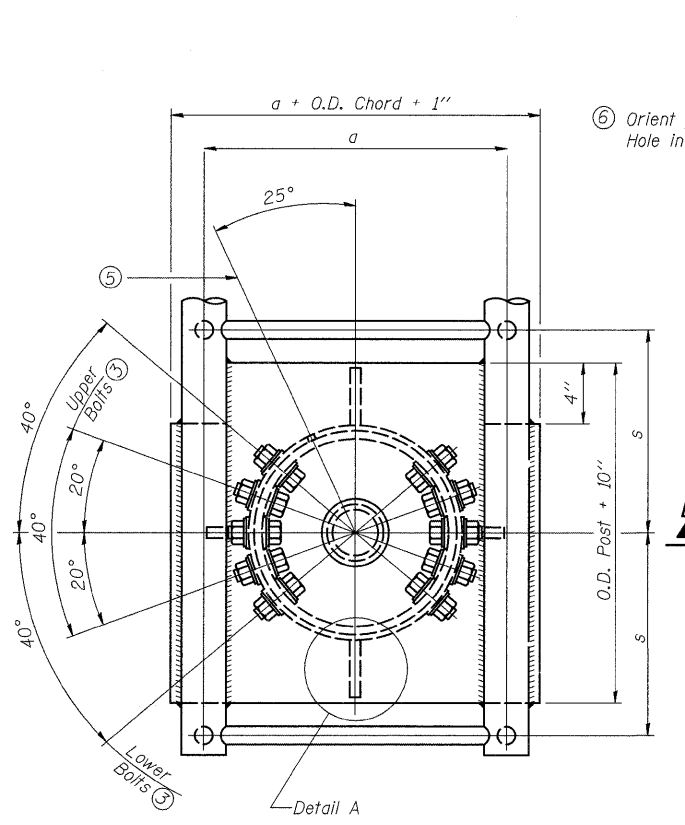
CONTOURED WASHERS

Bolt Size	Contoured Washers	
	Hole Dia.	B
7/8"	1"	2 1/2"
1"	1 1/8"	3"
1 1/4"	1 3/8"	3 1/4"

DETAIL OF STAINLESS STEEL SLEEVE

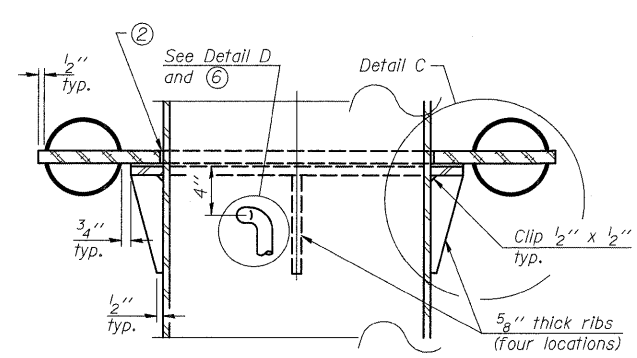
Weld to post after galvanizing.
(Prepare post surface to insure tight, uniform fit and allow welding.)
Welds to be 1/2" long at 6" cts. along top edge and at 1/4" opening.

NUMBER	REVISION	DATE

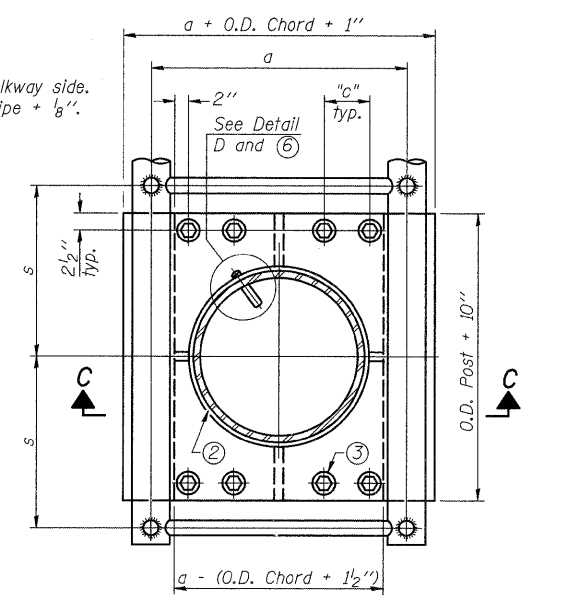


PLAN VIEW - TOP OF COLUMN

⑤ Optional full penetration weld in collar.
(Two locations maximum....(180° apart)....X-ray or UT 100%)

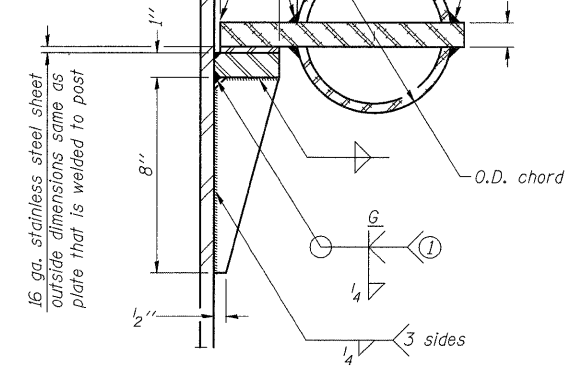


SECTION C-C



SECTION THRU POST ABOVE LOWER CHORDS

Hole in aluminum plate (and 16 ga. stnl. stl. sheet) to be O.D. post + 1/2"



DETAIL C

- ① Grind top if required to fully seat aluminum plate and stainless steel sheet.
- ② After tightening lower connection bolts, fill gap with non-hardening, silicone caulk suitable for exterior exposure and acceptable to the Engineer. Cost is included in Overhead Sign Structure Cantilever.

Truss Type	Post Size	Upper & Lower Connection Bolt Diameter ③	Lower Juncture Bolt Spacing Dimension "c" ③	Opening in Cap Plate "HH"	Collar Thickness (t)	Side Ribs	
						x	y
I-C-A	16" φ (83#/1)	7/8"	3 1/4"	8"	5/8"	1 3/4"	2 1/4"
II-C-A	24" φ (125#/1)	1"	3 1/2"	12"	7/8"	2"	1 1/4"
III-C-A (35' max.)	24" φ (125#/1)	1 1/4"	3 1/2"	12"	7/8"	2"	1"
III-C-A (>35' to 40')	24" φ (171#/1)	1 1/4"	3 1/2"	12"	7/8"	2"	1"

③ Upper and lower connection bolts in collar and bolts at lower chord connection shall be high strength with matching locknuts. Connection bolts shall have 2 stainless steel flat washers each.

**CANTILEVER SIGN STRUCTURES
JUNCTURE DETAILS
ALUMINUM TRUSS & STEEL POST**

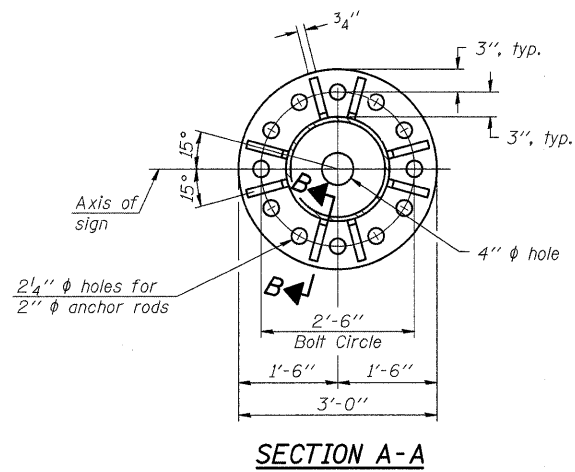
OSC-A-3 5/16/08

DESIGNED	E. Mroczek
CHECKED	-
DRAWN	M. Balog
CHECKED	E. Mroczek

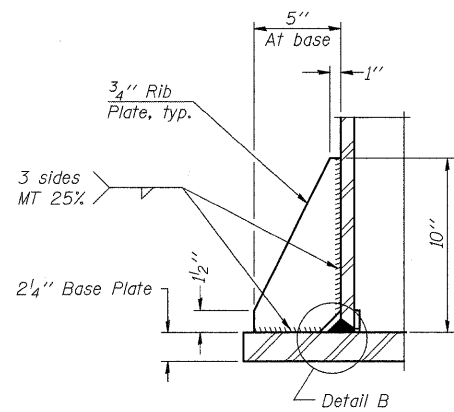
CG Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

\$FILE\$

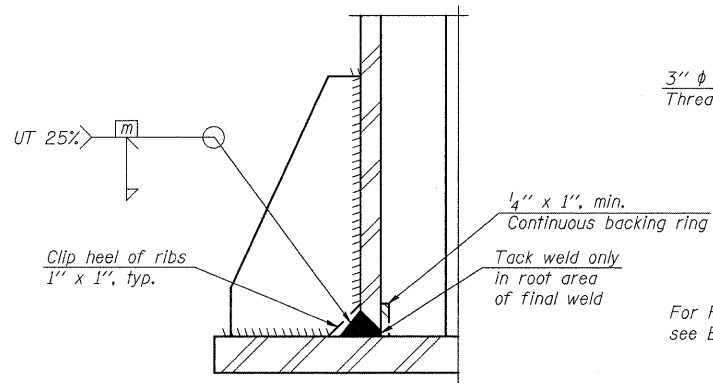
Mon, Dec 15 08:26:11 2008 \$NAME\$



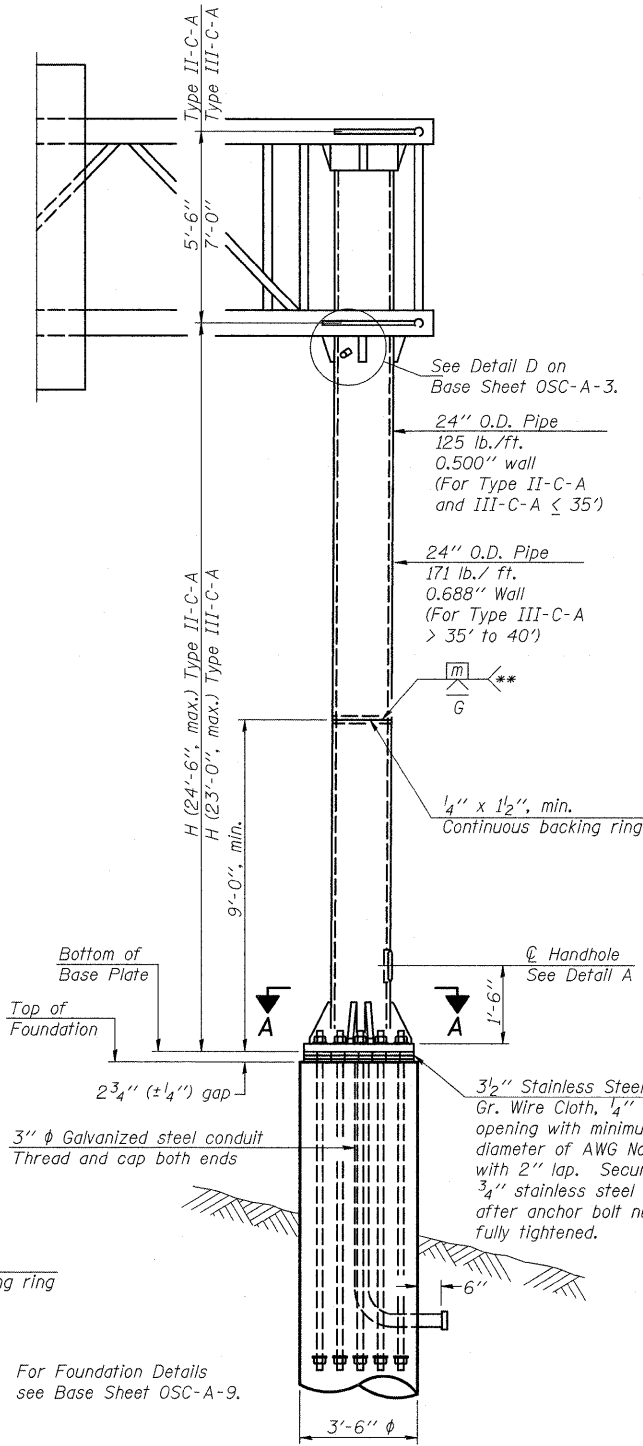
SECTION A-A



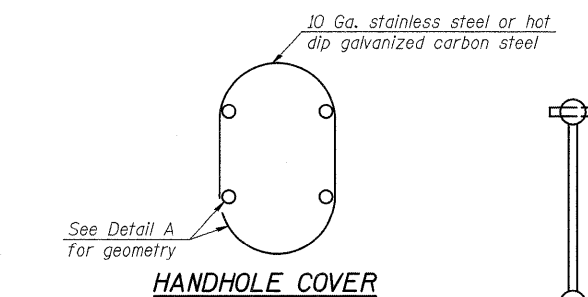
SECTION B-B



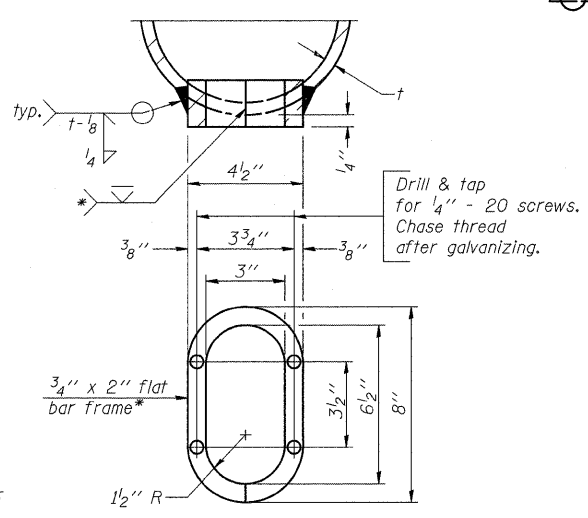
DETAIL B
(Typical rib)



FRONT ELEVATION



HANDHOLE COVER

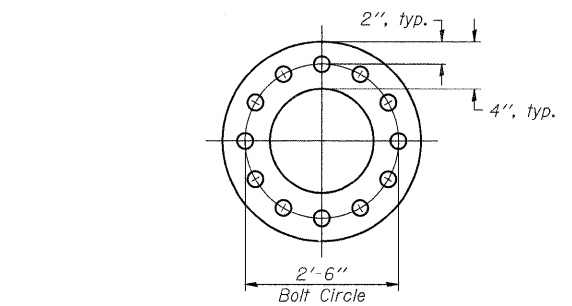


DETAIL A

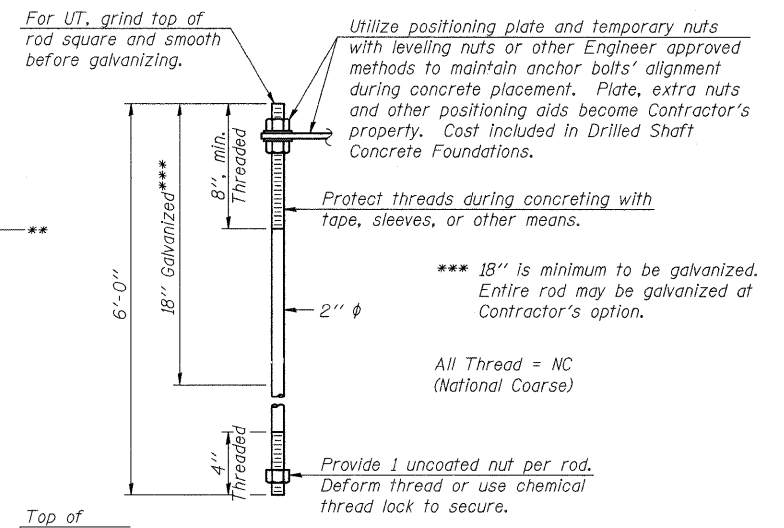
Provide 8" x 4 1/2" cover. Outside corners = 2 1/4" radius. Provide 4 - 5/16" diameter holes in cover for 1/4" - 20 round head hot dip galvanized or stainless steel machine screws. (See cover details.)

* Bent bars may be butt welded top and bottom or bottom only. In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 min or less.

** Butt welded joint in post is only allowed for post heights (H) over 20 ft. in length. If used, weld procedure must be preapproved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.



SUGGESTED POSITIONING PLATE



ANCHOR ROD DETAIL

Anchor rods shall conform to AASHTO M314 Grade 55 and meet Charpy V-Notch (CVN) energy of 15 lb.-ft. at 10° F. before galvanizing. Galvanize the upper 18" (minimum) and associated M291, Grade A, C or DH heavy hex nuts and hardened washers per AASHTO M232. No welding shall be permitted on rods. Provide an unfinished nut at bottom, a hexagon locknut and washer above base plate and a leveling nut and washer below base plate. Nuts shall each be tightened with 200 lb.-ft. minimum torque against base plate. Before or after threading, but before galvanizing, each anchor rod shall be ultrasonically tested (UT) by a Level II or III inspector, qualified in accord with ANSI guidelines, using a straight beam, 1/2" diameter 3.5 mhz. transducer, to insure no rejectable flaws exist in the upper 18" (tension criteria). Cost of testing included in Drilled Shaft Concrete Foundations.

*** 18" is minimum to be galvanized. Entire rod may be galvanized at Contractor's option.

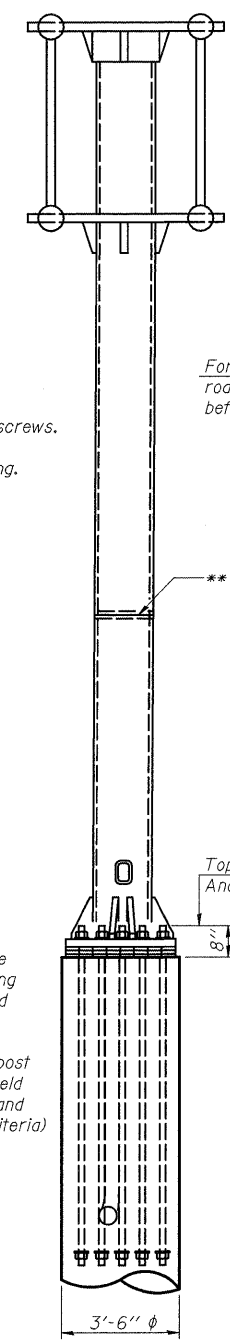
All Thread = NC (National Coarse)

Protect threads during concreting with tape, sleeves, or other means.

Utilize positioning plate and temporary nuts with leveling nuts or other Engineer approved methods to maintain anchor bolts' alignment during concrete placement. Plate, extra nuts and other positioning aids become Contractor's property. Cost included in Drilled Shaft Concrete Foundations.

For UT, grind top of rod square and smooth before galvanizing.

Provide 1 uncoated nut per rod. Deform thread or use chemical thread lock to secure.



SIDE ELEVATION

Structure Number	Station	H
2C0811080R000.4	55+40.00	23' - 0"

Note: "H" based on 15'-0" or actual sign height, whichever is greater.

NUMBER	REVISION	DATE

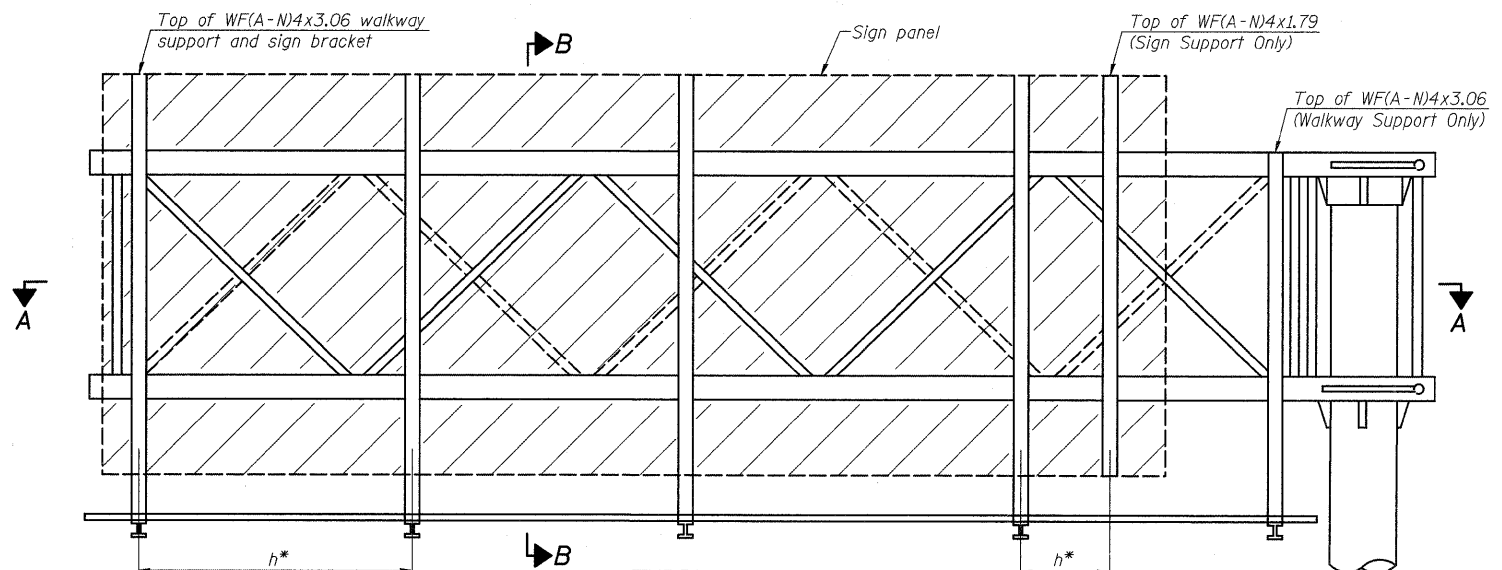
OSC-A-5 5/16/08

DESIGNED	E. Mroczek
CHECKED	-
DRAWN	M. Balog
CHECKED	E. Mroczek

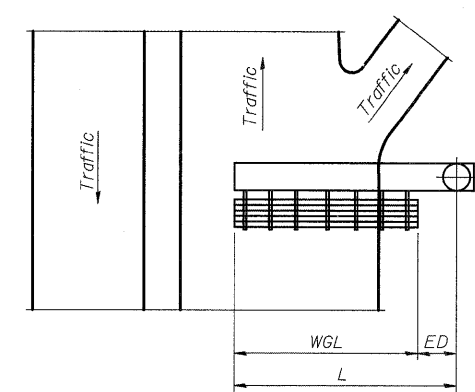
CG **Ciorba Group, Inc.**
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 Tel. 773.775.4009 Fax 773.775.4014 Email chicao@ciorba.com

**CANTILEVER SIGN STRUCTURES
 TYPE II-C-A & III-C-A TRUSS SUPPORT POST
 ALUMINUM TRUSS & STEEL POST**

SHEET NO. 5 OF 9

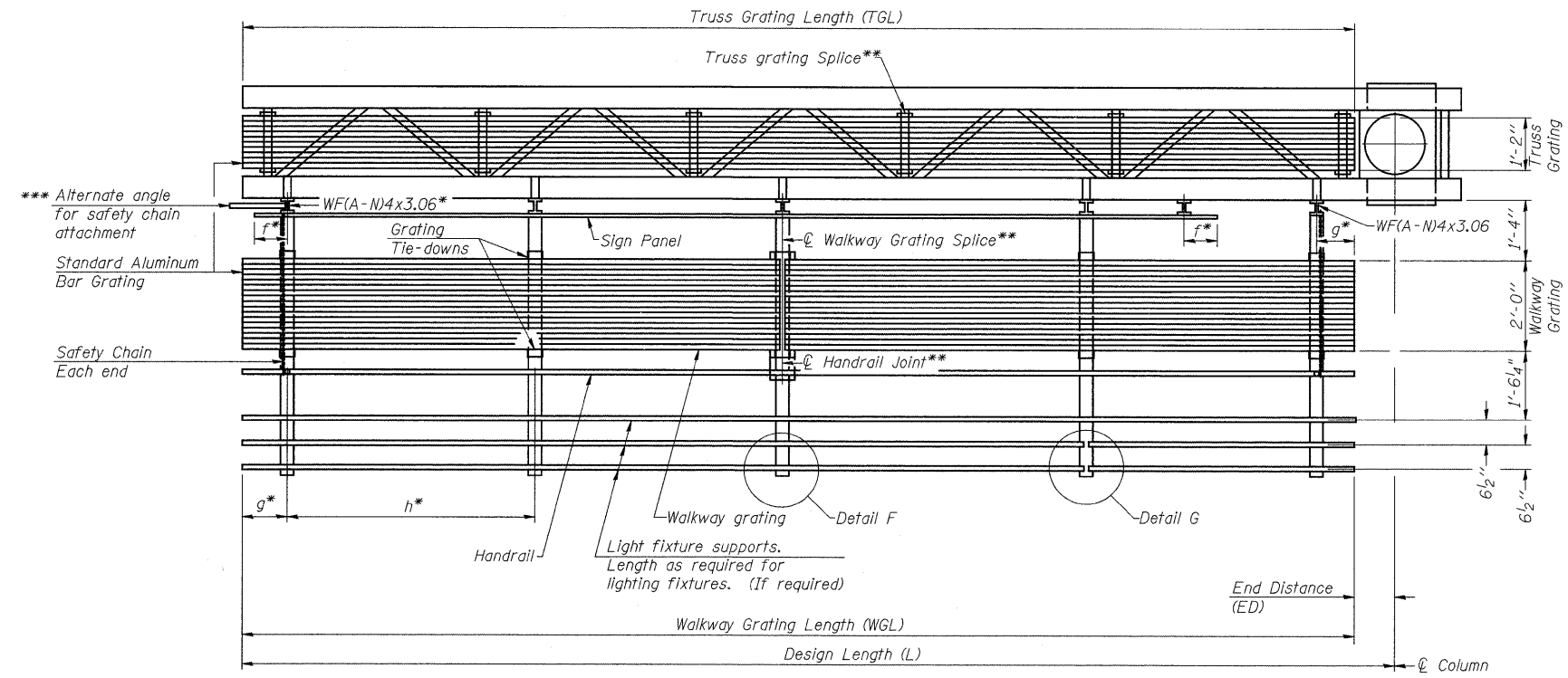


TYPICAL FRONT ELEVATION
With lights and handrail omitted for clarity.



PLAN WALKWAY AND HANDRAIL SKETCH
(Road plan beneath truss varies)

Walkway and truss grating dimensions are nominal and may vary (width ± 1/2", depth ± 1/2") based on available standard widths.



SECTION A-A

Truss grating to facilitate inspection shall run full length of cantilevers. Cost of truss grating is included in Overhead Sign Structure Cantilever.

Handrail and walkway grating shall span a minimum of three brackets between splices.
** Use and location of handrail joints or grating splices are optional, based on lengths needed and material availability.

$$TGL = L - \left(\frac{\text{Post O.D.}}{2} + 6'' \right)$$

Structure Number	Station	WGL	ED	TGL
2C0811080R000.4	55+40.00	20' - 0"	19' - 9"	38' - 6"

Notes:
* Space walkway brackets WF(A-N)4x3.06 and sign brackets WF(A-N)4x1.79 for efficiency and within limits shown:
f = 12" maximum, 4" minimum (End of sign to center of nearest bracket)
g = 12" maximum, 4" minimum (End of walkway to center of nearest bracket)
h = 6'-0" maximum (center to center sign and/or walkway support brackets, WF(A-N)4x1.79 or WF(A-N)4x3.06)

*** If walkway bracket at safety chain location is behind sign, add angle to bracket. See alternate safety chain attachment on base sheet OSC-A-8.
For details of sign placement, sign/walkway brackets, truss and walkway gratings, grating splices and Section B-B, see Base Sheet OSC-A-7.
For details of handrail, handrail joint, safety chain and Details F and G, see Base Sheet OSC-A-8.

BRACKET TABLE

Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
8'-0"	14'-0"	2
14'-0"	20'-0"	3
20'-0"	26'-0"	4
26'-0"	32'-0"	5
		6

**CANTILEVER SIGN STRUCTURES
ALUMINUM WALKWAY DETAILS
ALUMINUM TRUSS & STEEL POST**

OSC-A-6 5/16/08

DESIGNED	E. Mroczek
CHECKED	-
DRAWN	M. Balog
CHECKED	E. Mroczek

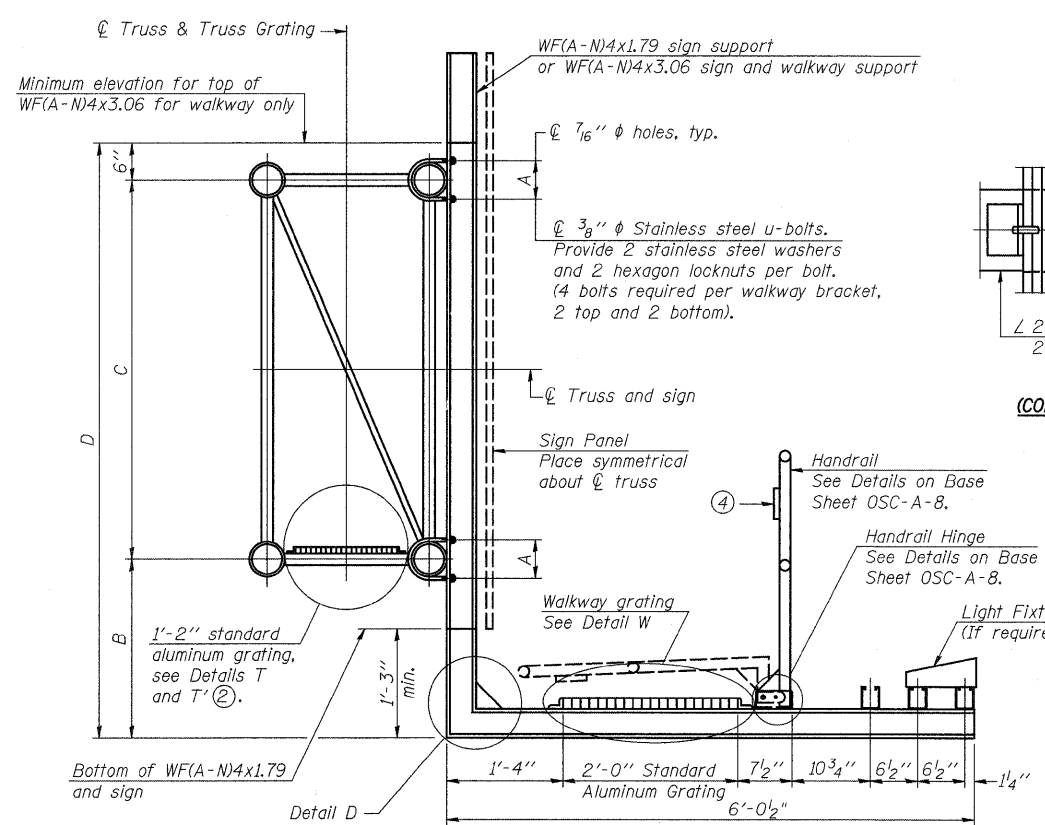
NUMBER	REVISION	DATE

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGN STRUCTURE DETAILS

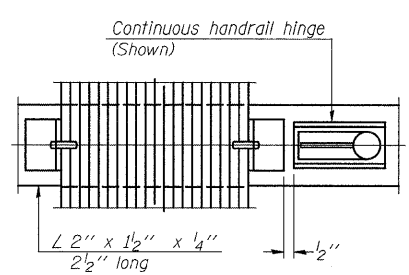
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PLOT SCALE = 5.0000' / IN.		CHECKED =	REVISION =			CONTRACT NO. 64933				
PLOT DATE = Mon Dec 15 08:26:12 2008		DATE =	REVISION =			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

\$FILE# Mon Dec 15 08:26:13 2008 \$NAME\$

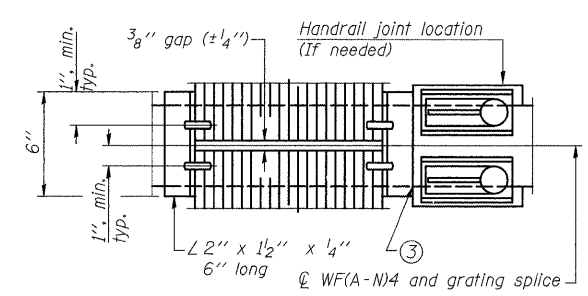


SECTION B-B

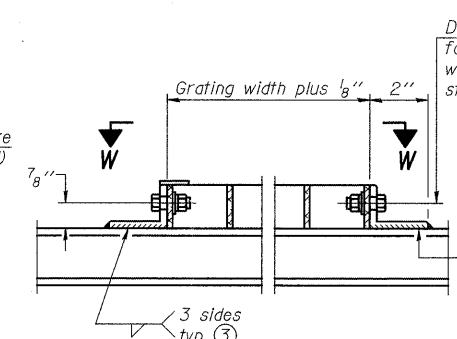
Sign shall be even with the top of the bracket, but it may extend no more than 6" above the top of the bracket for field adjustments.



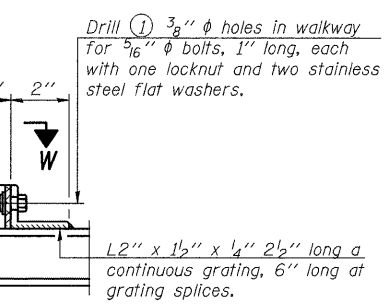
(CONTINUOUS WALKWAY GRATING)



(AT WALKWAY GRATING SPLICE)

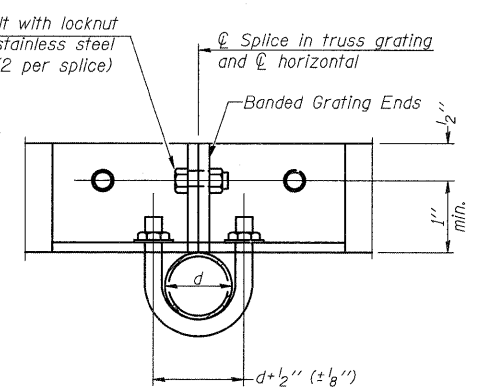


DETAIL W
(Walkway grating)

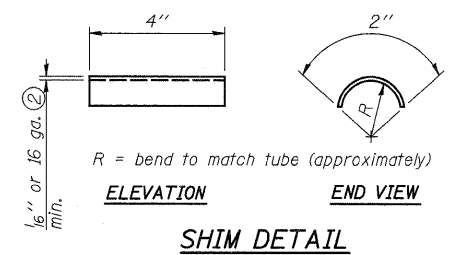


DETAIL T
(Truss grating splice)

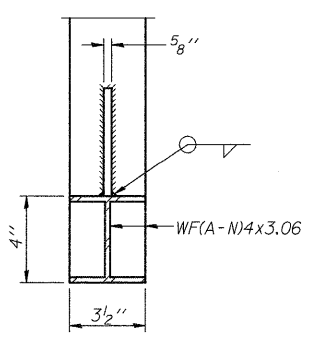
Details not shown same as Detail T. Alternate materials may be used subject to the Engineer's review and approval.



SECTION T'-T'

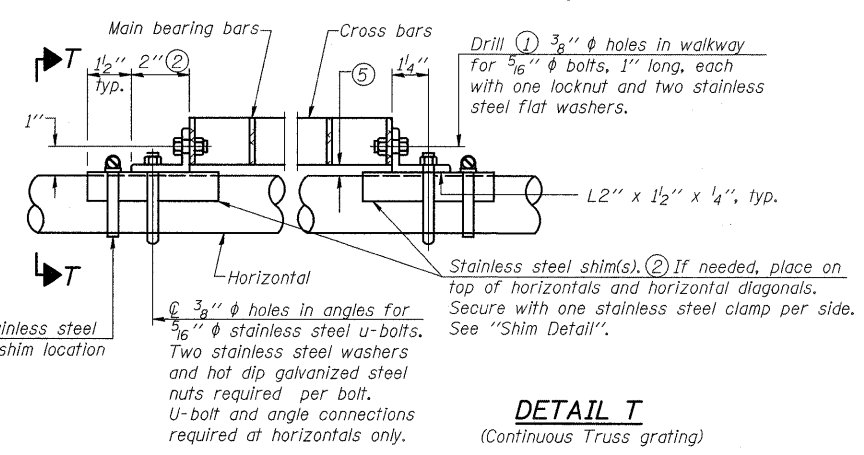


R = bend to match tube (approximately)



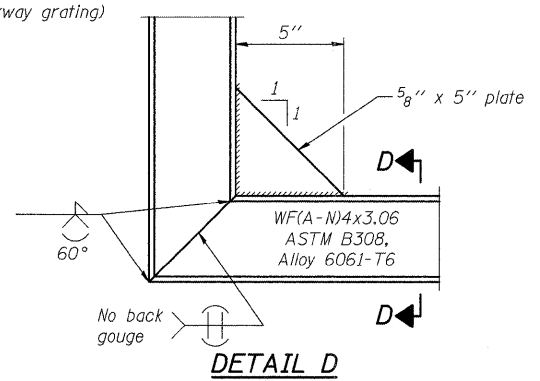
SECTION D-D

Screw type stainless steel tube clamp at shim location

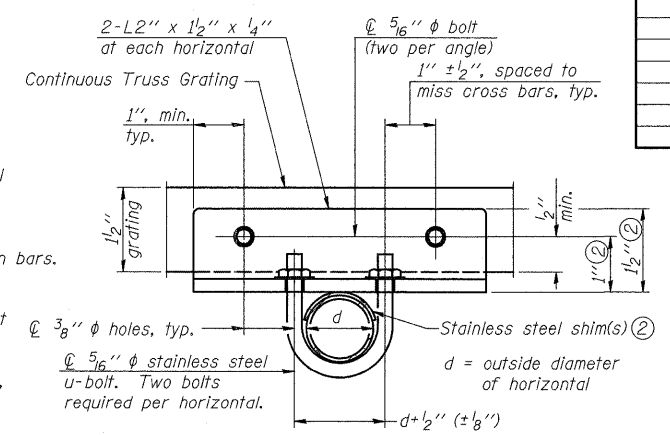


DETAIL T
(Continuous Truss grating)

- ① Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.
- ② Stainless steel shims shall be placed as shown in Detail T if needed to compensate for alignment variations between horizontal and diagonal pipes beyond adjustment provided by angles. Thicker shims may be used subject to shims performing properly.
- ③ If Handrail Joint present, weld angle to WF(A-N)4 and 1/4 inch extension bars. (See Base Sheet OSC-A-8.)
- ④ L 1/8 inch x 1/2 inch x 2 inch welded to handrail posts to protect locations that contact grating.
- ⑤ Tube to grating gap may vary from 0 to 1/2 inch, max. to align walkway, allow for camber, etc.



DETAIL D



SECTION T-T

SPECIFICATIONS FOR STANDARD ALUMINUM GRATING
 Main Bearing Bars (MBB) shall be 3/16 inch x 1/2 inch on 1 3/16 inch centers and conform to ASTM B211 Alloy 6061-T6.
 Cross bars (CB) shall be 3/16 inch x 1/2 inch on 4 inch centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

OR

Aluminum Grating with modified "T" sections for main bearing bars shall meet the following requirements:
 Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 in.³ per bar, a depth of 1/2 inch, spaced on 1 3/16 inch centers.
 Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4 inch centers.

Structure Number	Station	A	B	C	D
2C0811080R000.4	55+40.00	8 1/2"	3' - 9"	7' - 0"	11' - 3"

**CANTILEVER SIGN STRUCTURES
 WALKWAY DETAILS
 ALUMINUM TRUSS & STEEL POST**

SHEET NO. 7 OF 9

NUMBER	REVISION	DATE

OSC-A-7 5/16/08
 DESIGNED E. Mroczek
 CHECKED -
 DRAWN M. Balog
 CHECKED E. Mroczek

CG Ciorba Group, Inc.
 CONSULTING ENGINEERS
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 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

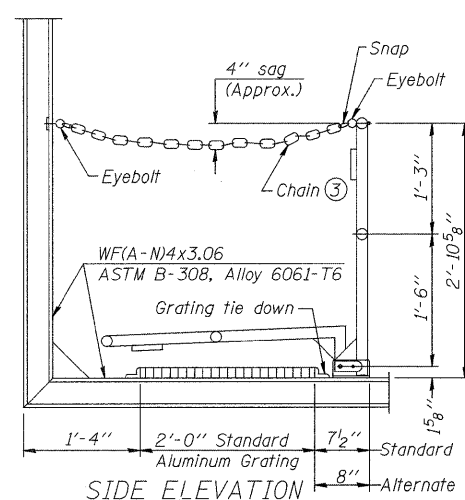
SIGN STRUCTURE DETAILS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(81-1R-1)	ROCK ISLAND	292	178
CONTRACT NO. 64933				

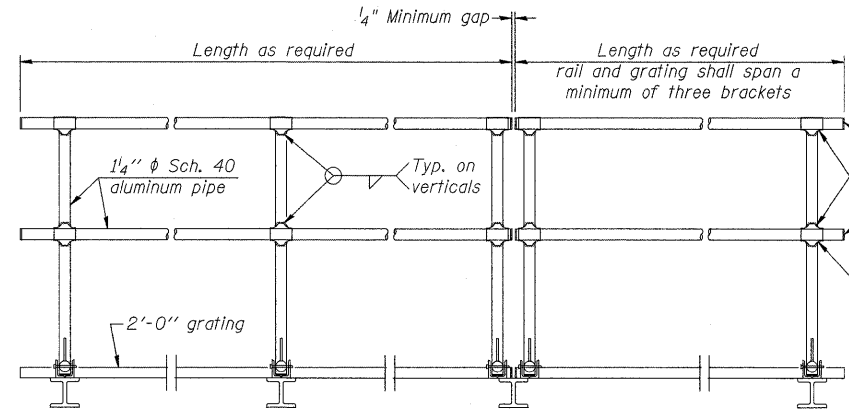
SCALE: SHEET NO. OF SHEETS STA. TO STA.

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

Mon Dec 15 08:26:14 2008 \$NAME\$



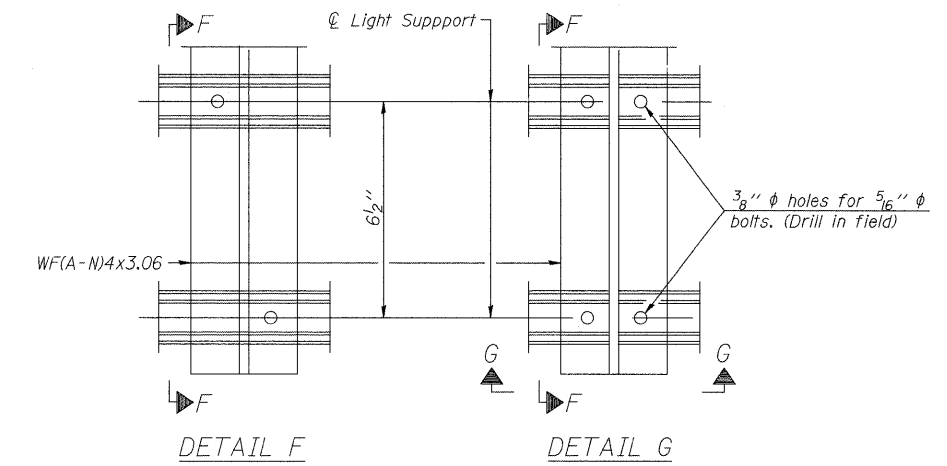
SIDE ELEVATION
(Showing Safety Chain W/O Sign)
Handrail pipe shall be ASTM B241 or B429, Alloy 6063-T6 or Alloy 6061-T6.



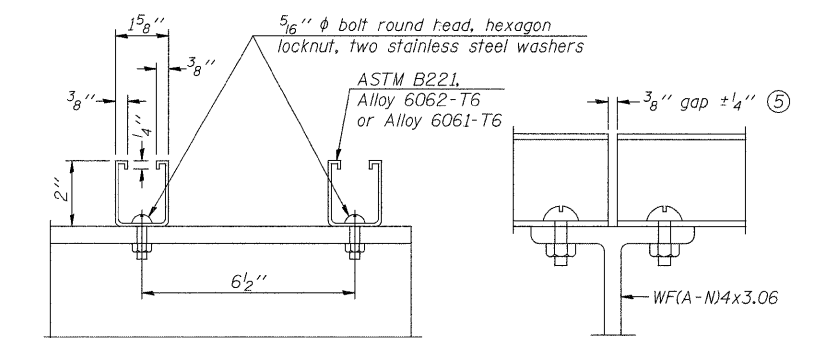
FRONT ELEVATION

HANDRAIL DETAILS

- ① Install standard force-fit end caps or weld 1/8" end plates with 1/8" c.f.w. and grind smooth. (All rail ends)
- ② Horizontal handrail member shall be continuous thru fitting. Provide 7/16" hole in fitting for 3/8" bolt. Field drill 7/16" hole in horizontal rail member. Provide locknut and two stainless steel washers for bolt. (Use 5/16" eyebolts in 7/16" holes on top rail at ends only.)

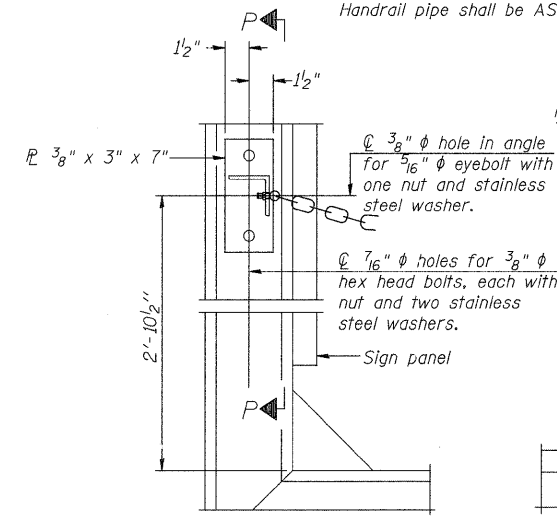


DETAIL F **DETAIL G**

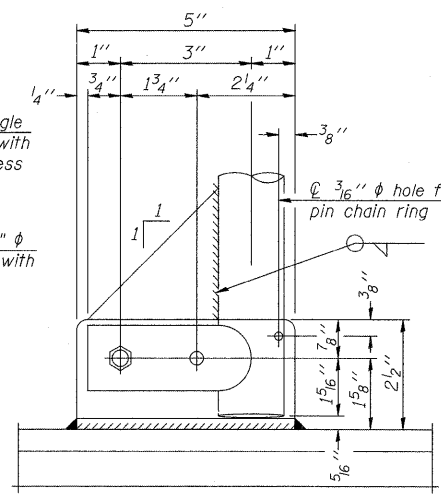


SECTION F-F **SECTION G-G**
LIGHTING FIXTURE MOUNTS (IF REQUIRED)

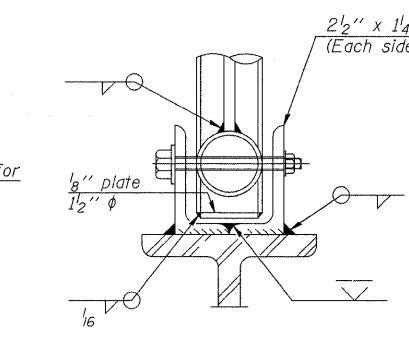
- ⑤ Field cut ends of light support channels shall be free of burrs or hazardous projections and coated with zinc-rich primer or equivalent.



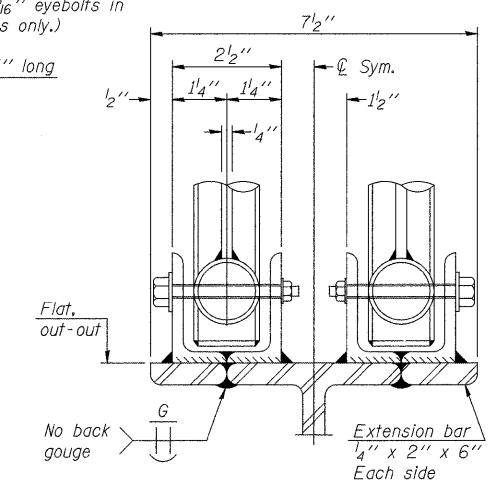
ALTERNATE SAFETY CHAIN ATTACHMENT
(With Sign Present)
Items not shown same as "Side Elevation" of "Handrail Details"



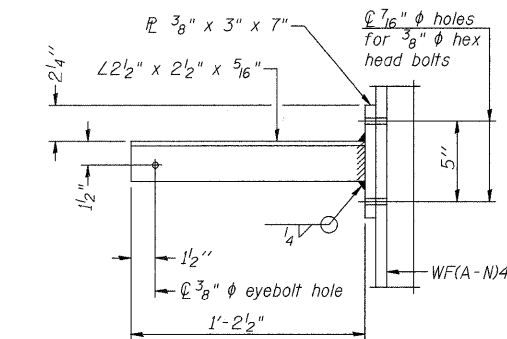
SIDE ELEVATION



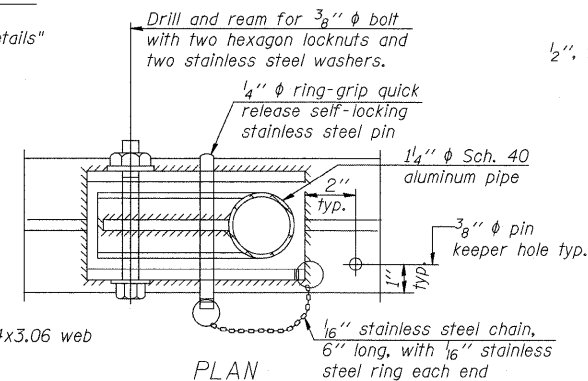
FRONT ELEVATION
Details not shown same as "ELEVATION" at right.



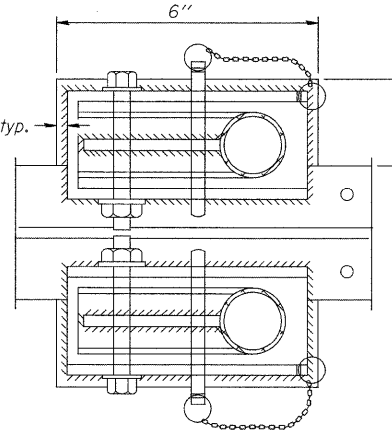
ELEVATION AT HANDRAIL JOINT ④
Details not shown same as "FRONT ELEVATION"



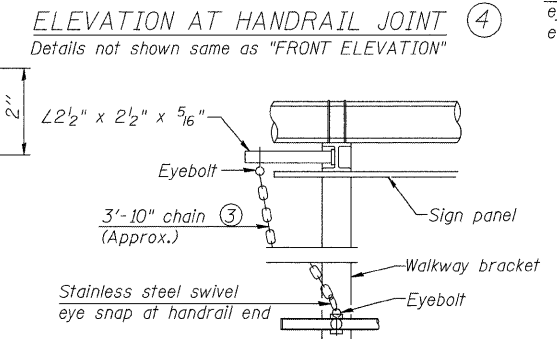
SECTION P-P



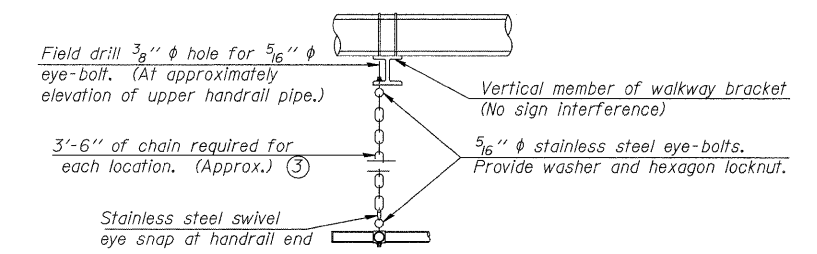
PLAN
DETAIL E HANDRAIL HINGE



PLAN AT HANDRAIL JOINT
Details not shown same as "PLAN"



ALTERNATE SAFETY CHAIN ATTACHMENT
Details not shown similar to "Safety Chain" Details
(Walkway omitted for clarity)



SAFETY CHAIN
One required for each end of each walkway.

- ③ 3/16" Type 304L stainless steel chain, approximately 12 links per foot.
- ④ Extrusions may be used in lieu of the details shown, with approval of the Engineer.

**CANTILEVER SIGN STRUCTURES
HANDRAIL DETAILS
ALUMINUM TRUSS & STEEL POST**

OSC-A-8 5/16/08

DESIGNED	E. Mroczek
CHECKED	-
DRAWN	M. Balog
CHECKED	E. Mroczek

CG **Ciorba Group, Inc.**
CONSULTING ENGINEERS
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Tel. 773.775.4009 Fax 773.775.4014 Email chicgo@ciorba.com

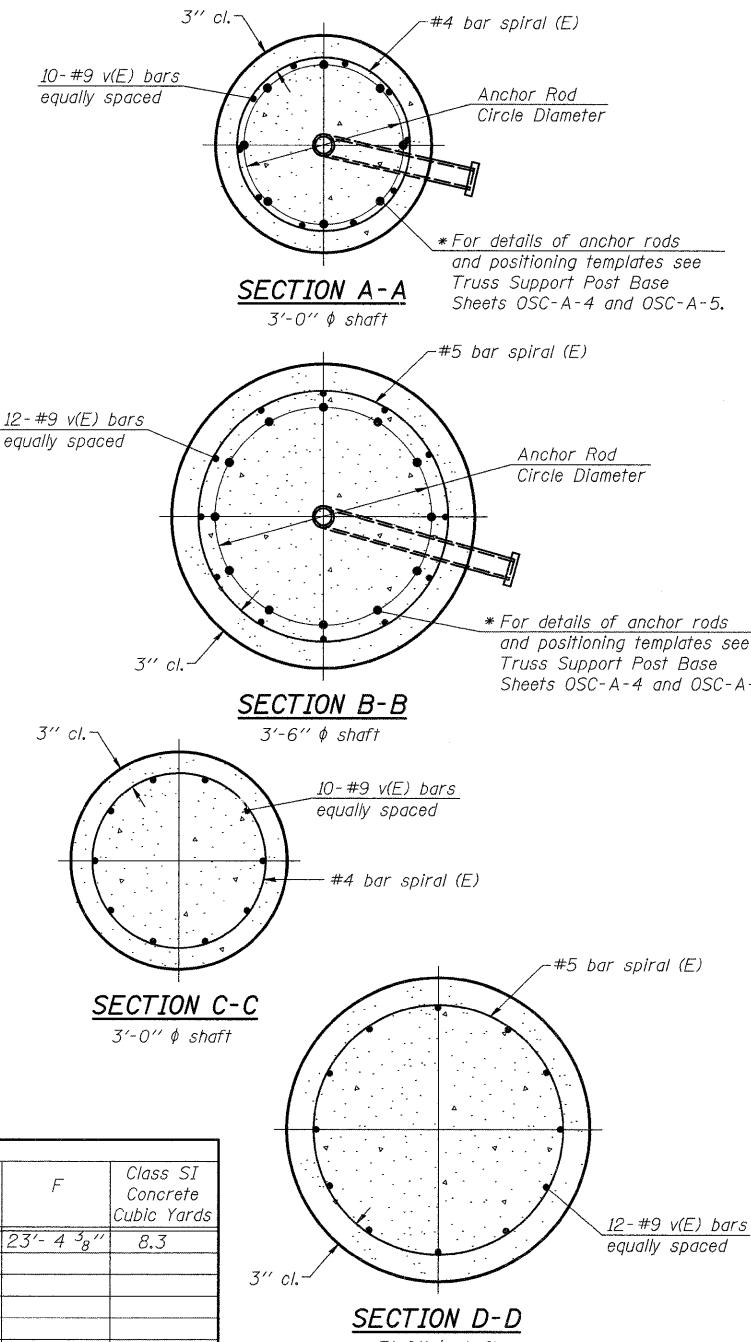
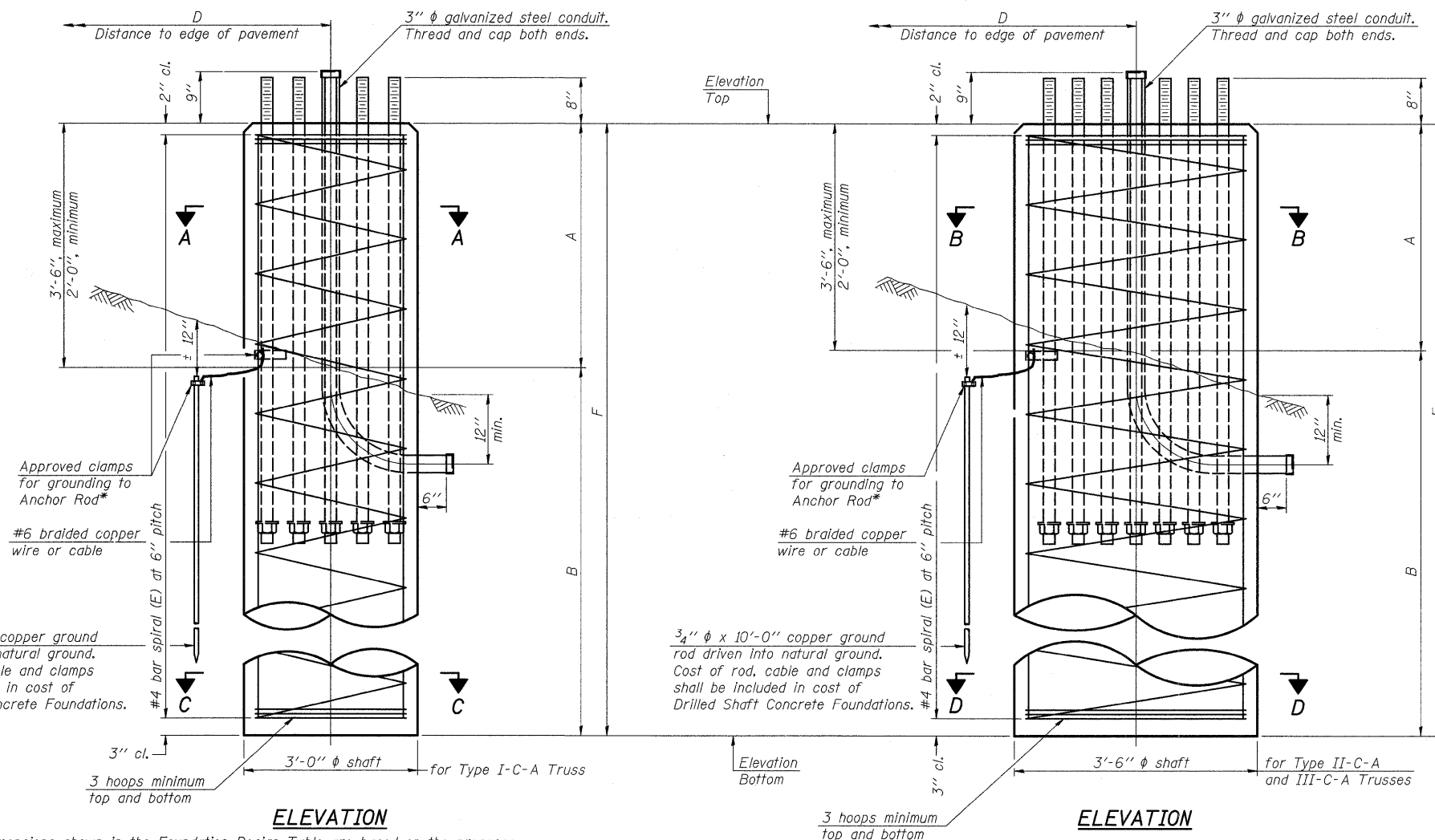
NUMBER	REVISION	DATE

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGN STRUCTURE DETAILS

FILE NAME =	USER NAME = grantpm	DESIGNED =	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN STRUCTURE DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
or:\pw-work\pwsdot\grantpm\dms34287\d08403signstruc.dgn		DRAWN =	REVISED =			80	(81)JR-1	ROCK ISLAND	292	179	
PLOT SCALE = 5.0000' / IN.		CHECKED =	REVISED =			SCALE:		SHEET NO. OF SHEETS STA. TO STA.		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
PLOT DATE = Mon Dec 15 08:26:14 2008		DATE =	REVISED =							CONTRACT NO. 64933	

* Grind anchor rod to bright finish at ground clamp location before installing clamp.



NOTES:
 The foundation dimensions shown in the Foundation Design Table are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 2.20 tsf, which was determined by previous soil investigations at the job site. The boring data is included in the plans and the foundation dimensions shown in the Foundation Data Table are the result of site specific designs. If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference. No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission. Concrete shall be placed monolithically, without construction joints. Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column. A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in "Drilled Shaft Concrete Foundation".

Structure Number	Station	Truss Type	Shaft Diameter	Elevation Top	Elevation Bottom	Qu (tsf)	A	B	F	Class SI Concrete Cubic Yards
2C0811080R000.4	55+40.00	III-C-A	3'-6"	610.31	586.95	2.2	3'- 4 3/8"	20'- 0"	23'- 4 3/8"	8.3

Truss Type	Post Base Sheet	Maximum Cantilever length (ft)	Maximum Total Sign Area (sq ft)	Shaft Diameter (in)	"B" Depth (ft)	Anchor Rods		Anchor Rod Circle Diameter (in)
						No.	Diameter (in)	
I-C-A	OSC-A-4	25	170	3.0	16.0	8	2	22
II-C-A	OSC-A-5	30	170	3.5	17.0	12	2	30
II-C-A	OSC-A-5	30	340	3.5	21.5	12	2	30
III-C-A	OSC-A-5	35	170	3.5	19.0	12	2	30
III-C-A	OSC-A-5	35	250	3.5	22.5	12	2	30
III-C-A	OSC-A-5	35	400	3.5	26.5	12	2	30
III-C-A	OSC-A-5	40	400	3.5	32.0	12	2	30

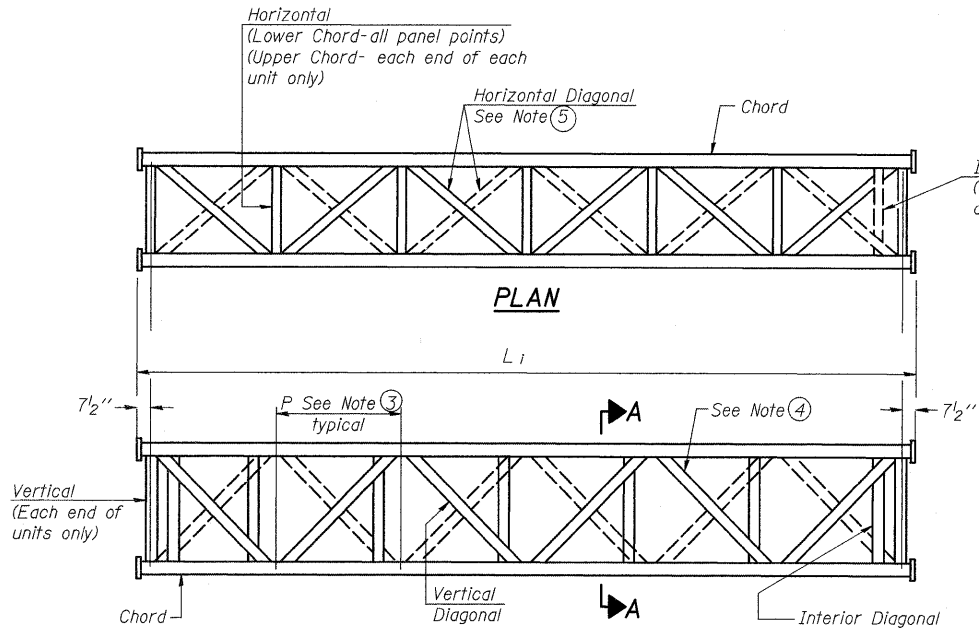
**CANTILEVER SIGN STRUCTURES
 DRILLED SHAFT
 ALUMINUM TRUSS & STEEL POST**

SHEET NO. 9 OF 9

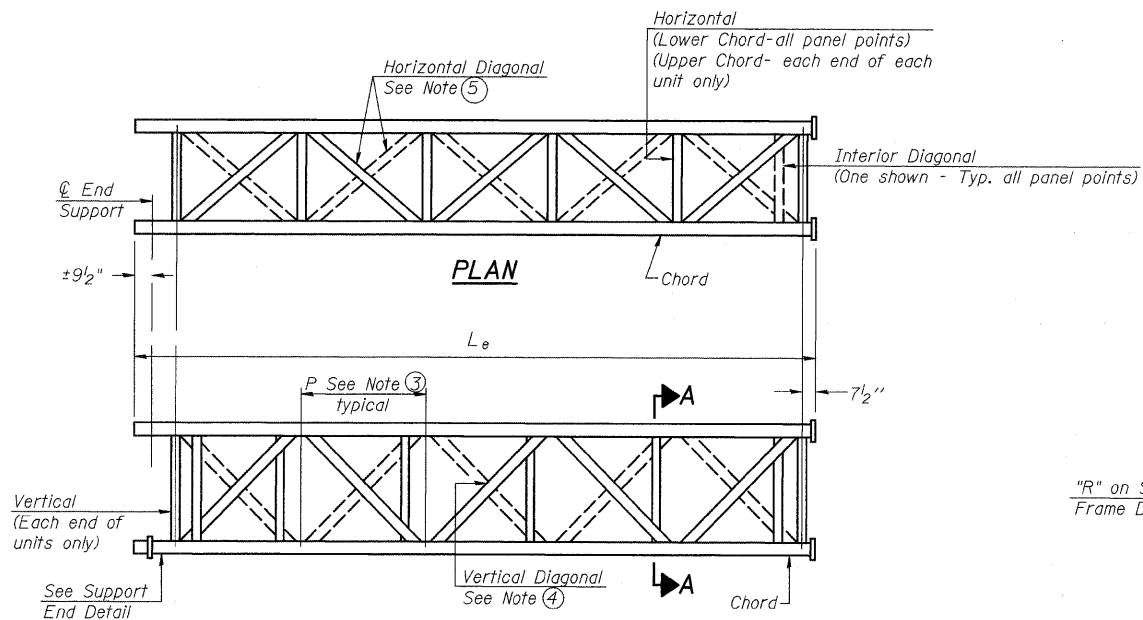
Mon Dec 15 08:26:15 2008 #NAME\$

OSC-A-9 5/16/08
 DESIGNED E. Mroczek
 CHECKED -
 DRAWN M. Balog
 CHECKED E. Mroczek

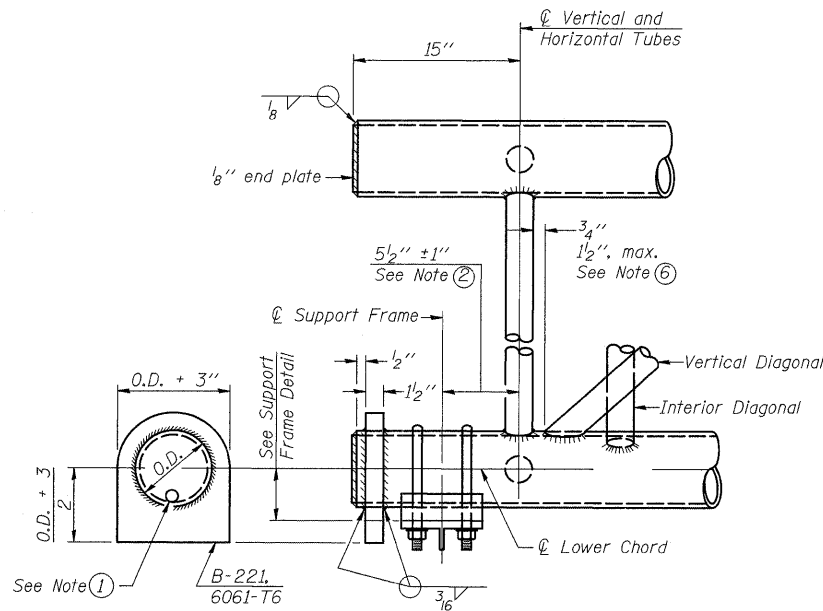
NUMBER	REVISION	DATE



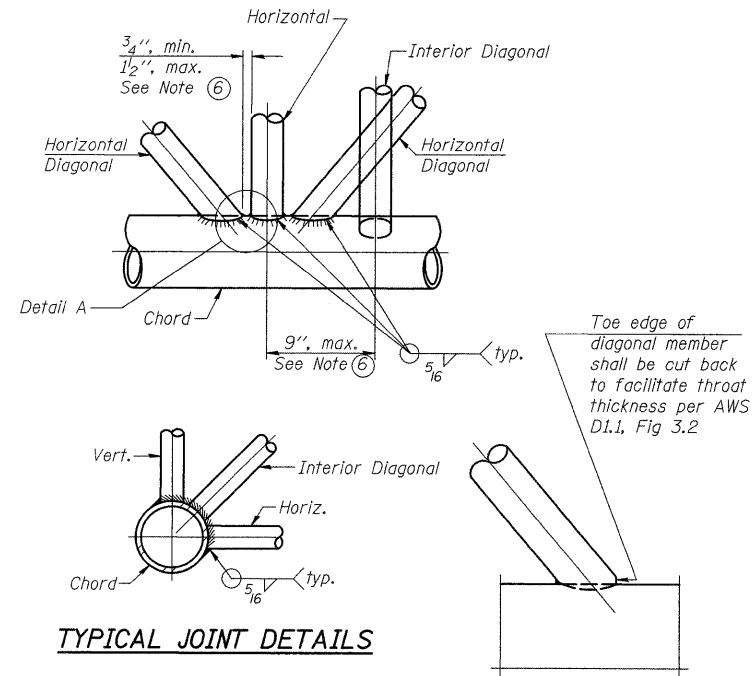
**ELEVATION
TYPICAL INTERIOR UNIT**
Even number of panels/interior unit required.



**ELEVATION
TYPICAL EXTERIOR UNIT**
Even or odd number of panels/exterior units allowed.



SUPPORT END DETAIL FOR EXTERIOR UNIT

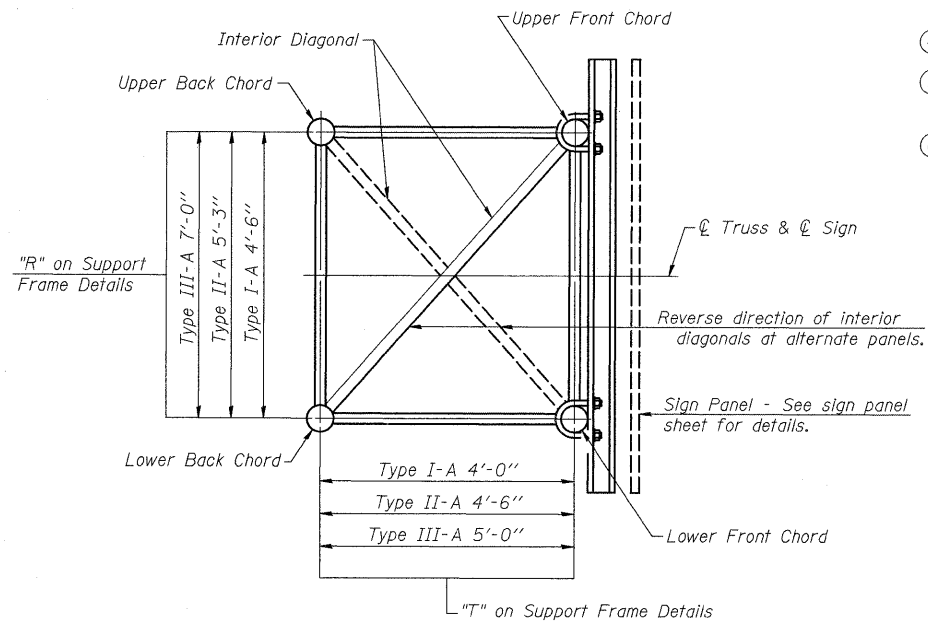


TYPICAL JOINT DETAILS

DETAIL A

NOTES

- ① Contractor may alternatively use standard aluminum drive-fit cap to close end. 1/2" Ø drain hole in end plate/drive-fit cap. (Typ. at ends of all chords)
- ② 5 1/2" end dimension may vary by ±1" to provide uniform panel spacing (P).
- ③ Panel spacing (P) shall be uniform for entire truss and between 4'-0" and 5'-0" for Type I-A or 4'-0" and 5'-6" for Types II-A and III-A.
- ④ Vertical Diagonals in front and back face shall alternate.
- ⑤ Hidden lines show wind bracing alternates direction between planes of top and bottom chords.
- ⑥ All diagonals shall be detailed for minimum offset from the panel point based on the following: Offset shall be such as to provide a 3/4" minimum to 1 1/2" maximum clearance between any diagonal and any horizontal or vertical member, and to provide clearance for U-bolt connections of signs or walkway brackets.



SECTION A-A

**OVERHEAD SIGN STRUCTURES
ALUMINUM TRUSS DETAILS
FOR TRUSS TYPES I-A, II-A and III-A**

SHEET NO. 2 OF 11

OS-A-2 5/16/08

DESIGNED	E. Mroczek
CHECKED	-
DRAWN	M. Balog
CHECKED	E. Mroczek



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NUMBER	REVISION	DATE

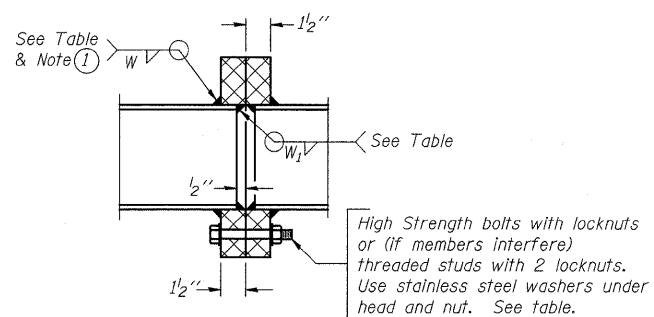
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGN STRUCTURE DETAILS

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	SCALE: SHEET NO. OF SHEETS STA. TO STA.	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
or\pw_work\p1\dot\grantpm\dms34287\d0843\signstruo.dgn	3signstruo.dgn	DRAWN -	REVISED -		80	(81-1R-1)	ROCK ISLAND	292	182
PLOT SCALE = 5.0000 ' / IN.		CHECKED -	REVISED -		CONTRACT NO. 64933				
PLOT DATE = Mon Dec 15 08:26:16 2008		DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

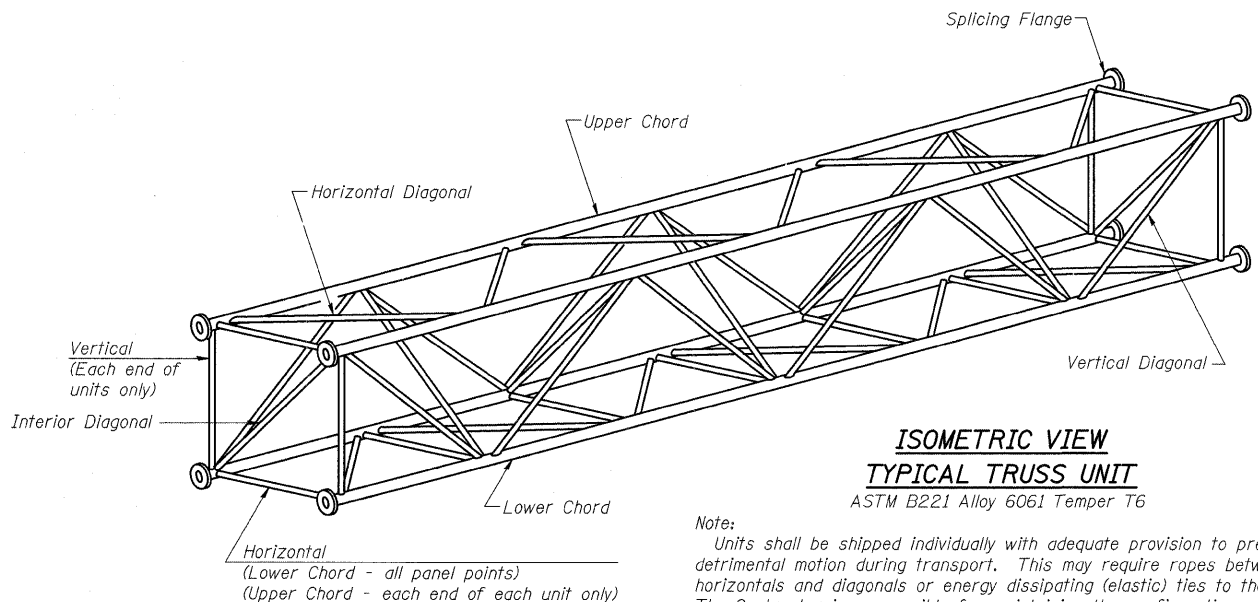
TRUSS UNIT TABLE

Structure Number	Station	Design Truss Type	Exterior Units (2)			Interior Unit				Upper & Lower Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals		Camber at Midspan	Splicing Flange					
			No. Panels per Unit	Unit Lgth.(L _e)	Panel Lgth.(P)	No. Req'd.	No. Panels per Unit	Unit Lgth.(L _i)	Panel Lgth.(P)	O.D.	Wall	O.D.	Wall		Bolts		Weld Sizes		A	B
															No./Splice	Dia.	W	W _i		
2S0811080R001.0	85+46.83	II-A	6	33'-4 1/2"	5'-3"	1	6	32'-9"	5'-3"	6"	5/16"	3"	5/16"	3"	6	7/8"	3/8"	1/4"	10 1/4"	13 3/4"
2S0811080R001.8	130+80.00	II-A	7	37'-0 1/4"	5'-0 1/4"	1	6	31'-4 1/2"	5'-0 1/4"	6 1/2"	5/16"	3"	5/16"	3 1/4"	6	1"	3/8"	1/4"	11"	14 1/2"
2S0811080L002.3	155+45.12	I-A	7	33'-6 1/4"	4'-6 1/4"	1	6	28'-4 1/2"	4'-6 1/4"	5 1/2"	5/16"	2 1/2"	5/16"	2 7/8"	6	7/8"	3/8"	1/4"	9 1/4"	12 1/4"



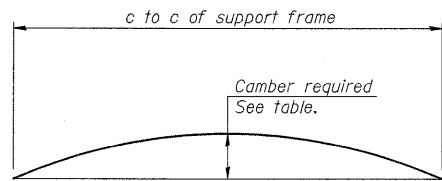
SECTION B-B

① Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining welds are made after disassembly. Adjacent flanges shall be "match marked" to insure proper field assembly.



ISOMETRIC VIEW TYPICAL TRUSS UNIT
ASTM B221 Alloy 6061 Temper T6

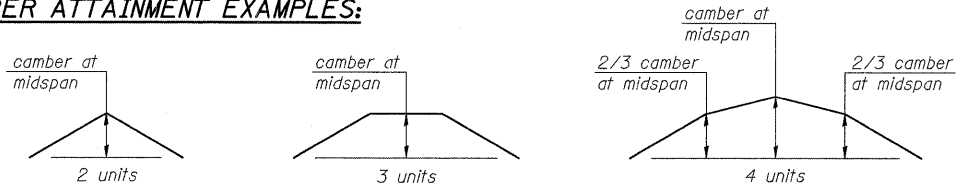
Note: Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and protection of the units.



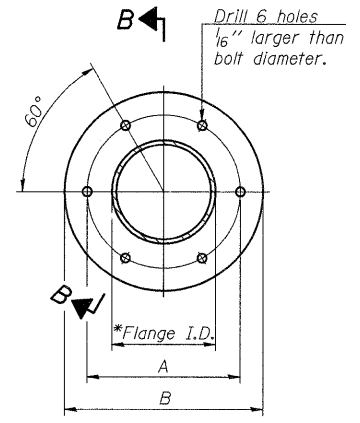
CAMBER DIAGRAM

Camber curve shown is theoretical. Actual camber attained by slope changes at splices between units.

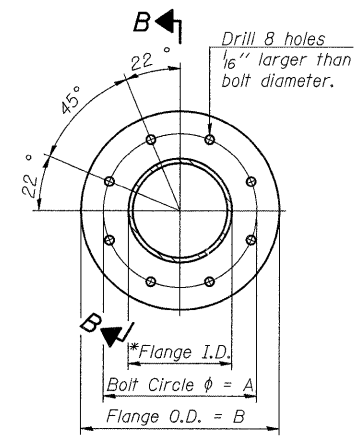
CAMBER ATTAINMENT EXAMPLES:



Camber shown is for fabrication only, measured with truss fully supported. (No-load condition)



TRUSS TYPES I-A, II-A, & III-A



TRUSS TYPES II-A & III-A
SPLICING FLANGES

ASTM B221, Alloy 6061-T6 or ASTM B209, Alloy 6061-T651
*To fit O.D. of Chord with maximum gap of 1/16".

NUMBER	REVISION	DATE

OS4-A-2 5/16/08

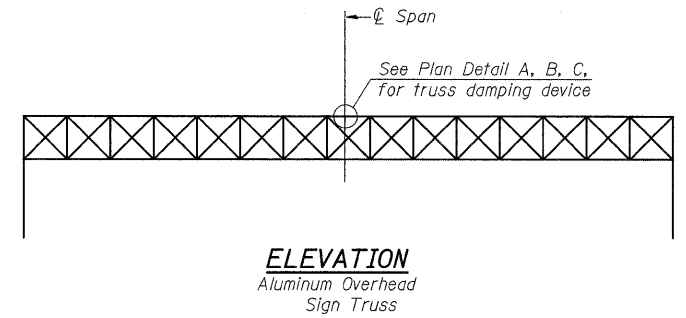
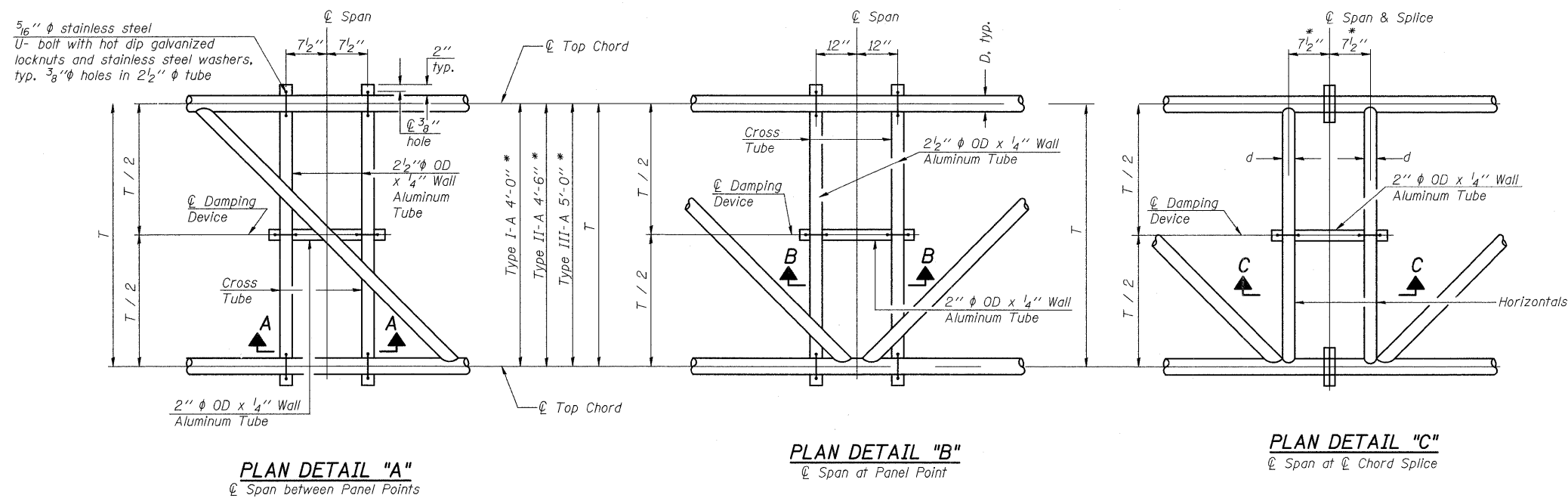
DESIGNED	E. Mroczek
CHECKED	-
DRAWN	M. Balog
CHECKED	E. Mroczek

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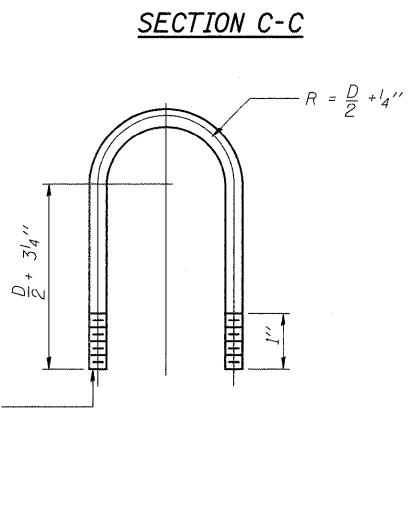
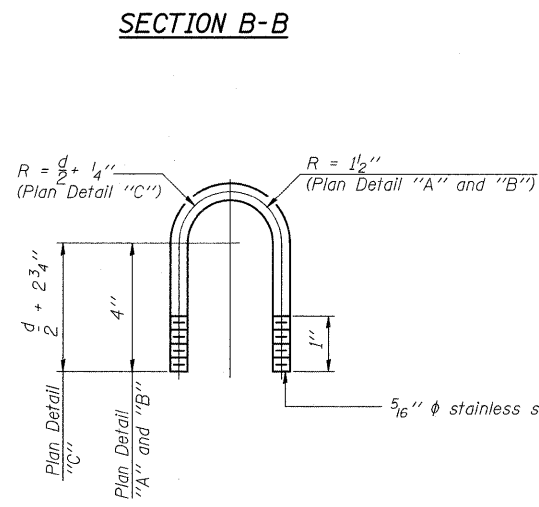
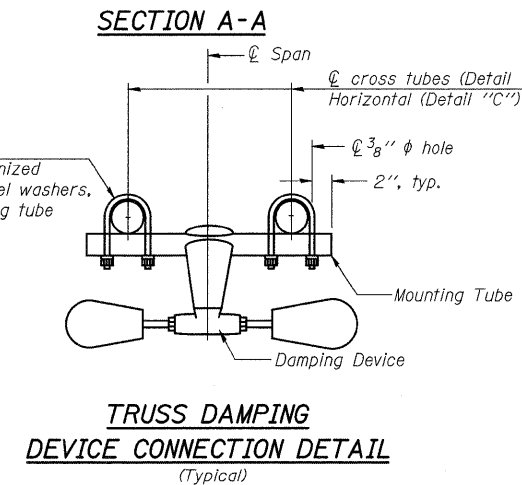
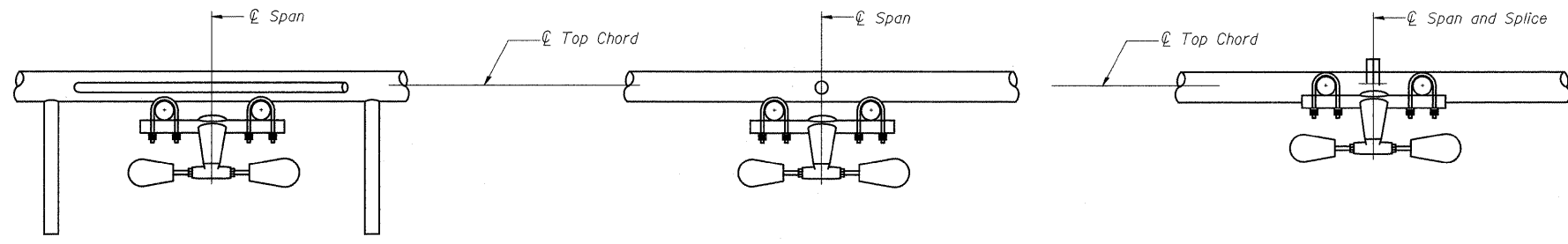
OVERHEAD SIGN STRUCTURES ALUMINUM TRUSS DETAILS FOR TRUSS TYPES I-A, II-A and III-A

SHEET NO. 3 OF 11

* Center of horizontal to center of splice dimension may vary. Verify before drilling holes in mounting tube.



NOTES
 Damper: One damper per truss. (31 lbs. Stockbridge-Type Aluminum) Cost included in Overhead Sign Structure...
 Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6. Cost included in Overhead Sign Structure...



OVERHEAD SIGN STRUCTURE DAMPING DEVICE

SHEET NO. 4 OF 11

Mon Dec 15 08:26:18 2008 \$NAME\$

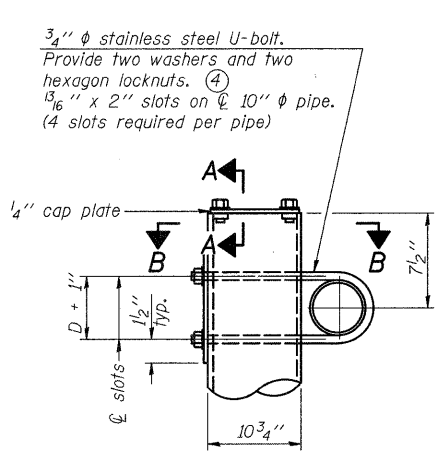
OS-A-D 5/16/08

DESIGNED	E. Mroczek
CHECKED	-
DRAWN	M. Balog
CHECKED	E. Mroczek

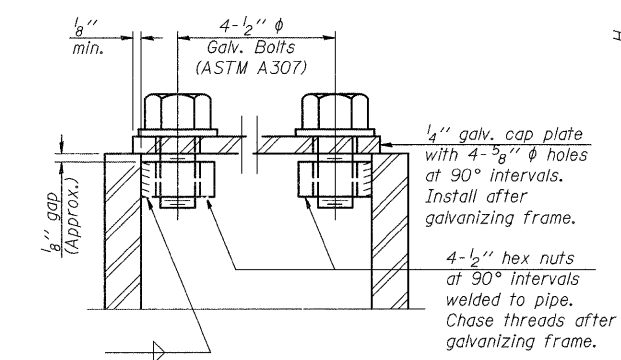
Ciorba Group, Inc.
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FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN STRUCTURE DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 5.0000 / / IN.	CHECKED -	REVISED -	CONTRACT NO. 64933							
PLOT DATE = Mon Dec 15 08:26:18 2008	DATE -	REVISED -	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT							
SCALE: SHEET NO. OF SHEETS STA. TO STA.										

Mon Dec 15 08:26:19 2008 \$NAME\$

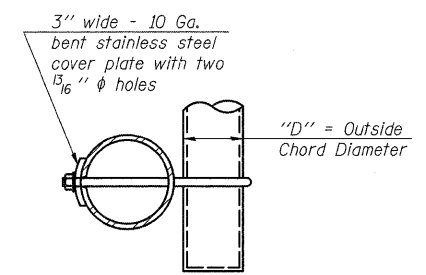


DETAIL A

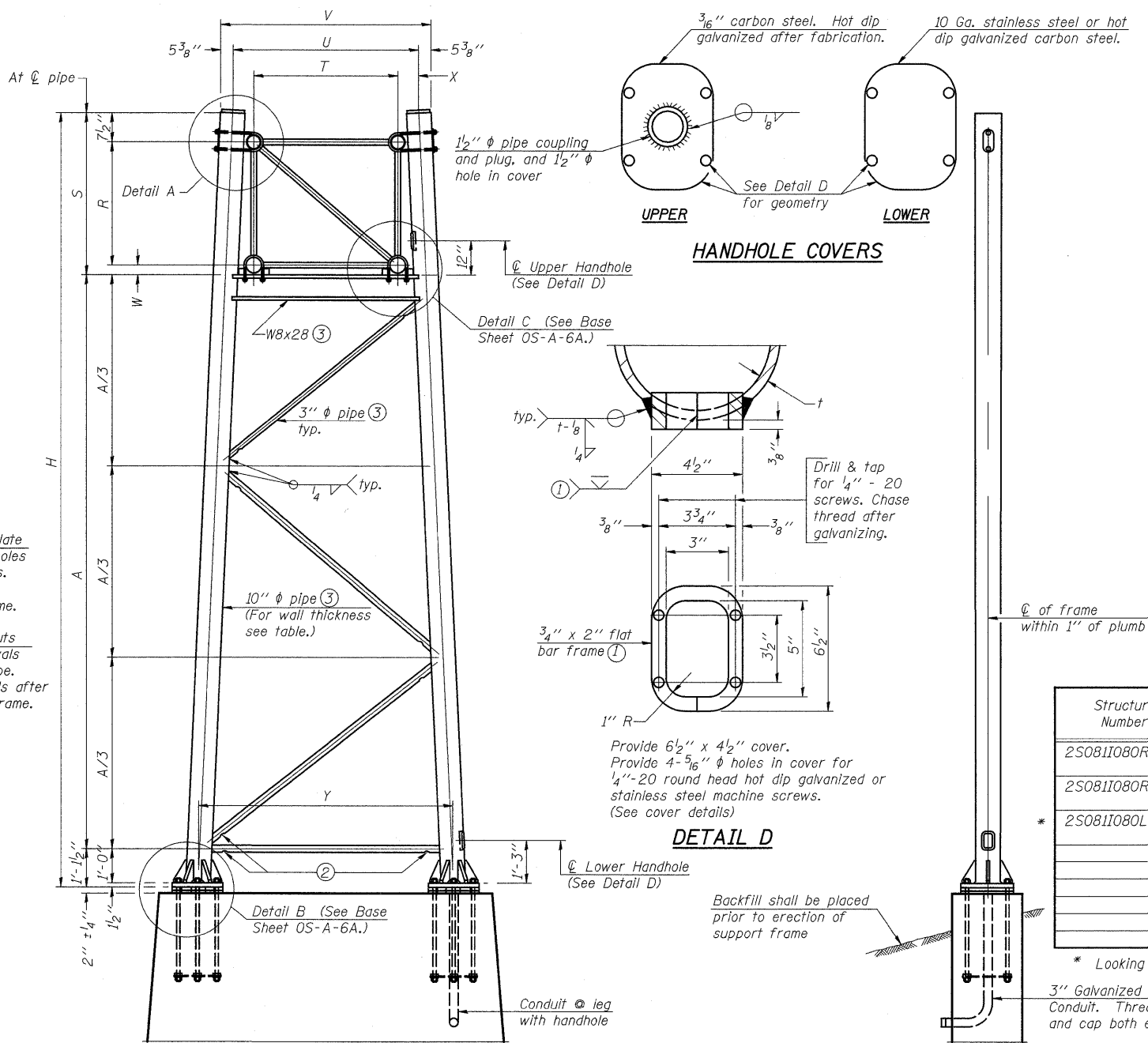


SECTION A-A

As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.



SECTION B-B



SIDE ELEVATION

END ELEVATION

For Foundation Details, see base sheet OS-F3 (Spread Footing) or OS4-F3 (Drilled Shaft).

10" Ø PIPE TRUSS SUPPORT FRAME

NUMBER	REVISION	DATE

Truss Type	Dimensions							
	R	S	T	U	V	W	X	Y
I-A	4'-6"	5'-5 1/2"	4'-0"	5'-6"	6'-4 3/4"	4"	9"	8'-3"
II-A ⑤	5'-3"	6'-3 1/4"	4'-6"	6'-1"	6'-11 3/4"	4 3/4"	9 1/2"	8'-3"

Support Design Loads: See Base Sheet OS-A-1 for design and loading criteria.
 Load combinations checked include deadload plus:
 a) 100% wind normal to sign, 20% parallel to sign
 b) 60% wind normal to sign, 30% parallel to sign

- ① In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 μ m or less.
- ② Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.
- ③ Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet OS-A-1.
- ④ See General Notes for fasteners.
- ⑤ Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.
- ⑥ "H" based on 15'-0" or actual sign height, whichever is greater.

Structure Number	Station	Support		Truss Type	Pipe Wall Thickness	H ⑥	A
		Left	Right				
2S0811080R001.0	85+46.83	x		II-A	0.365	28' - 3 3/4"	20' - 11"
2S0811080R001.8	130+80.00	x	x	II-A	0.365	30' - 6"	23' - 1 1/4"
2S0811080L002.3	155+45.12	x		II-A	0.365	27' - 4 1/2"	19' - 11 3/8"
			x	I-A	0.279	30' - 6"	23' - 1 1/4"
			x	I-A	0.365	26' - 1"	19' - 6"
						31' - 6"	24' - 11"

* Looking at Face of signs

OS-A-6 5/16/08

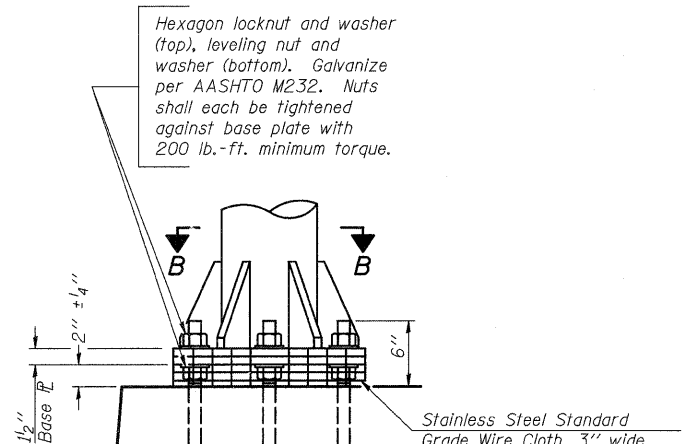
DESIGNED	E. Mroczek
CHECKED	-
DRAWN	M. Balog
CHECKED	E. Mroczek

CG Ciorba Group, Inc.
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 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

**OVERHEAD SIGN STRUCTURES
 SUPPORT FRAME for ALUMINUM TRUSS**

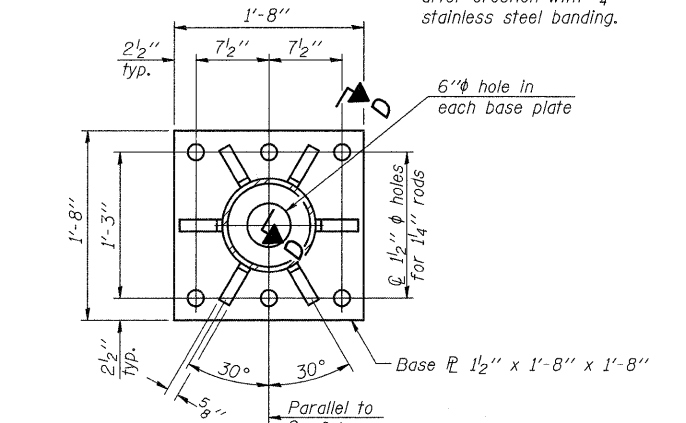
SHEET NO. 5 OF 11

Mon Dec 15 08:26:20 2008 \$NAME\$



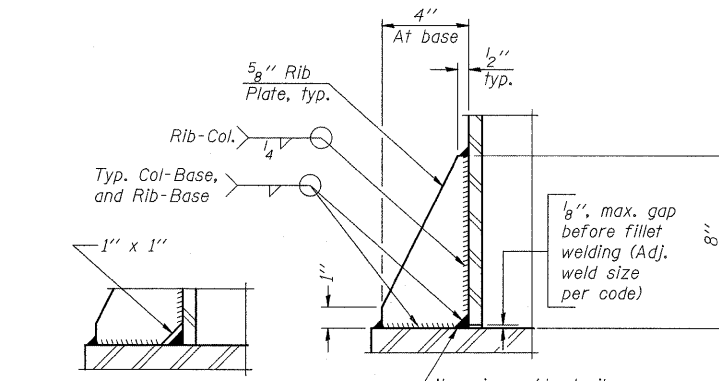
DETAIL B

Ribs shall be cut to fit slope of pipe.



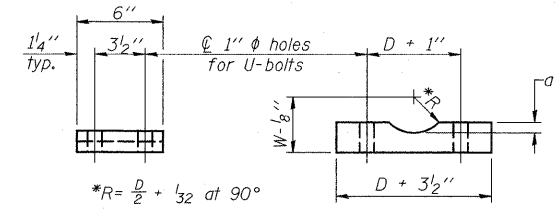
SECTION B-B

NUMBER	REVISION	DATE



SECTION D-D

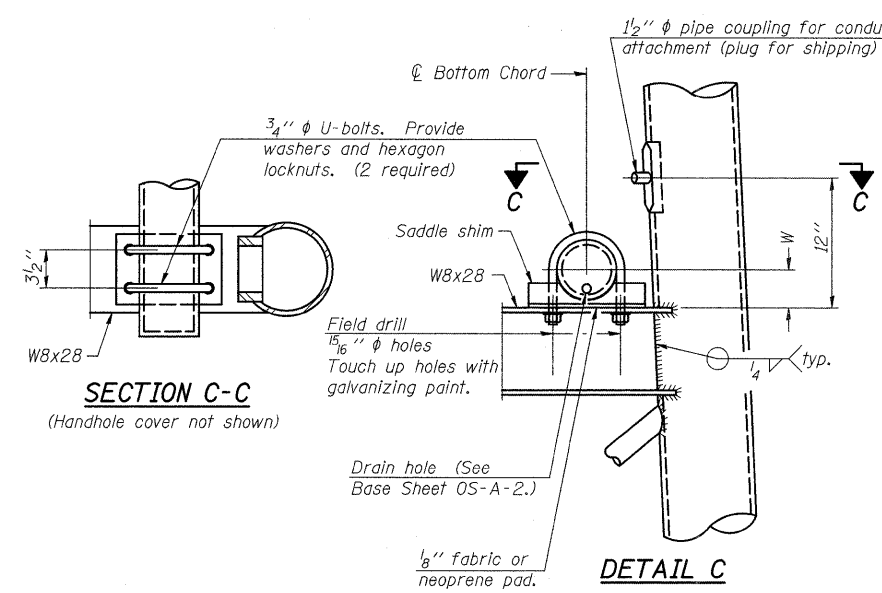
** Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib 1/4\"/>



SADDLE SHIM DETAIL

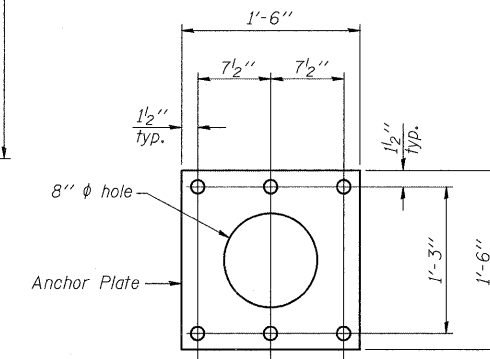
ASTM B26 Alloy 356-F
or
ASTM B209 Alloy 6061-T651
(4 required per sign truss)

Truss Chord Nominal Dia.	a
5"	3/4"
5 1/2"	13/16"
6"	7/8"
6 1/2"	15/16"
7"	1"



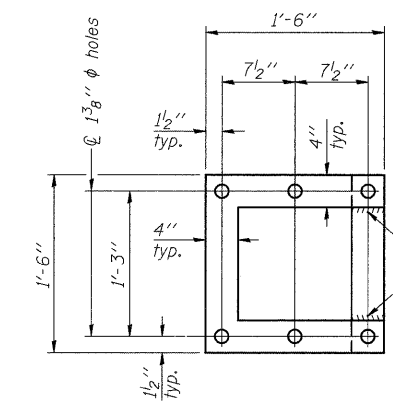
SECTION C-C

DETAIL C

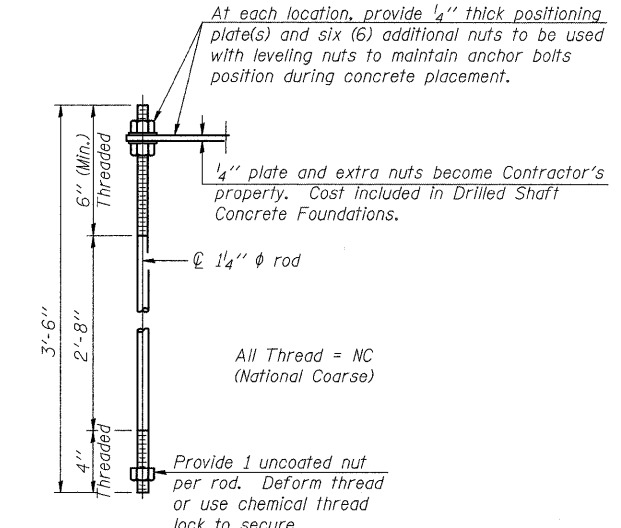


ANCHOR ROD DETAIL

Spread Footing Foundation

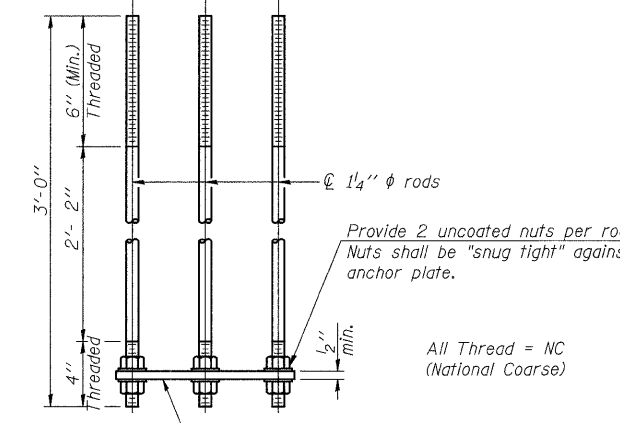


POSITIONING PLATE(S)



ANCHOR ROD DETAIL

Drilled Shaft Foundation



ANCHOR ROD DETAIL

Spread Footing Foundation

10" Ø PIPE SUPPORT FRAME DETAILS

**OVERHEAD SIGN STRUCTURES
SUPPORT FRAME DETAILS ALUMINUM TRUSS**

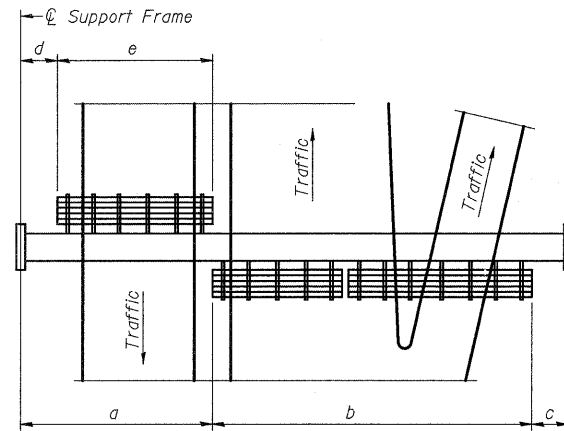
OS-A-6A 5/16/08

DESIGNED	E. Mroczek
CHECKED	-
DRAWN	M. Balog
CHECKED	E. Mroczek

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FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN STRUCTURE DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = Mon Dec 15 08:26:20 2008	DATE -	CHECKED -	REVISED -			SCALE: SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 64933			
						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

NUMBER	REVISION	DATE



PLAN WALKWAY AND HANDRAIL SKETCH
(Road plan beneath truss varies)

BRACKET TABLE

Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
8'-0"	8'-0"	2
8'-0"	14'-0"	3
14'-0"	20'-0"	4
20'-0"	26'-0"	5
26'-0"	32'-0"	6

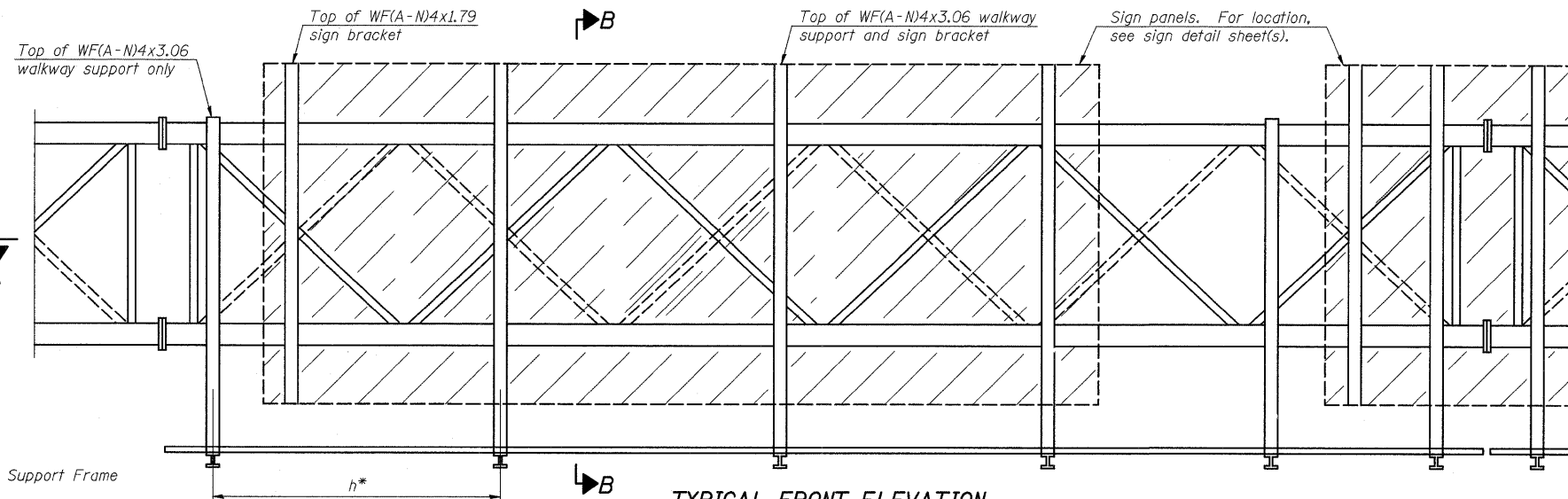
Notes:

* Space walkway brackets WF(A-N)4x3.06 and sign brackets WF(A-N)4x1.79 for efficiency and within limits shown:

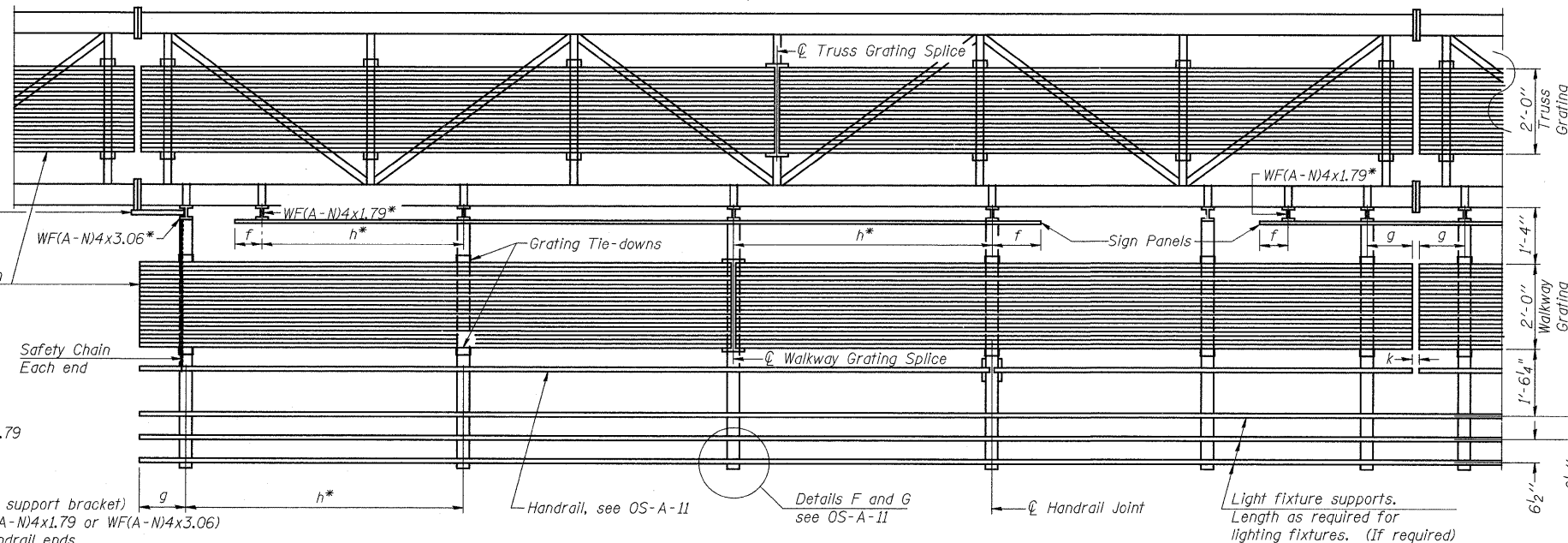
f = 12" maximum, 4" minimum (End of sign to center of nearest bracket)
g = 12" maximum, 4" minimum (End of walkway grating to center of nearest support bracket)
h = 6'-0" maximum (center to center of sign and/or walkway support brackets, WF(A-N)4x1.79 or WF(A-N)4x3.06)
k = 2" maximum gap between adjacent walkway grating sections and handrail ends

** If walkway bracket at safety chain location is behind sign, add angle to bracket, see Alternate Safety Chain Attachment on Base Sheet OS-A-11.

For Details T and W, Section B-B and Grating Splice Details see Base Sheet OS-A-10.
For Handrail Details see Base Sheet OS-A-11.



TYPICAL FRONT ELEVATION
With lights and handrail omitted for clarity.
For Section B-B, see Base Sheet OS-A-10.



SECTION A-A

Handrail and walkway shall span a minimum of three brackets between splices and/or gap joints. Place all sign and walkway brackets as close to panel points as practical. Handrail joints, grating, and light support splices placed as needed.

Truss grating to facilitate inspection shall run full length (center to center of support frames) ±12" on overhead trusses. Cost of truss grating is included in "Overhead Sign Structure".

Walkway and Truss Grating width dimensions are nominal and may vary ±1/2" based on available standard widths.

Structure Number	Station	a	b	c	d	e	Walkway Grating and Handrail Lengths
2S0811080R001.0	85+46.83	32' - 0"	46' - 0"	20' - 0"			46' - 0"
2S0811080R001.8	130+80.00	36' - 9"	36' - 2"	31' - 1"			36' - 2"
*** 2S0811080L002.3	155+45.12	36' - 0"	32' - 0"	26' - 0"			32' - 0"

*** Looking at Face of Signs

OS-A-9 5/16/08

DESIGNED E. Mroczek
CHECKED -
DRAWN M. Balog
CHECKED E. Mroczek



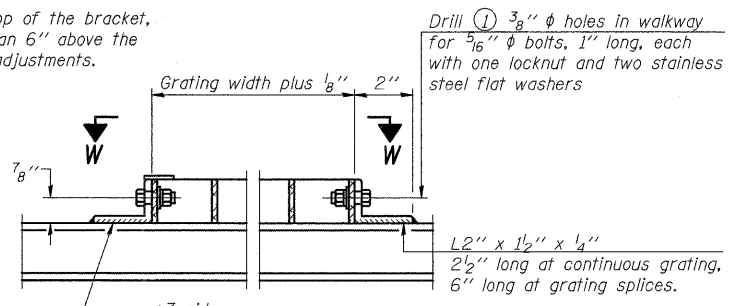
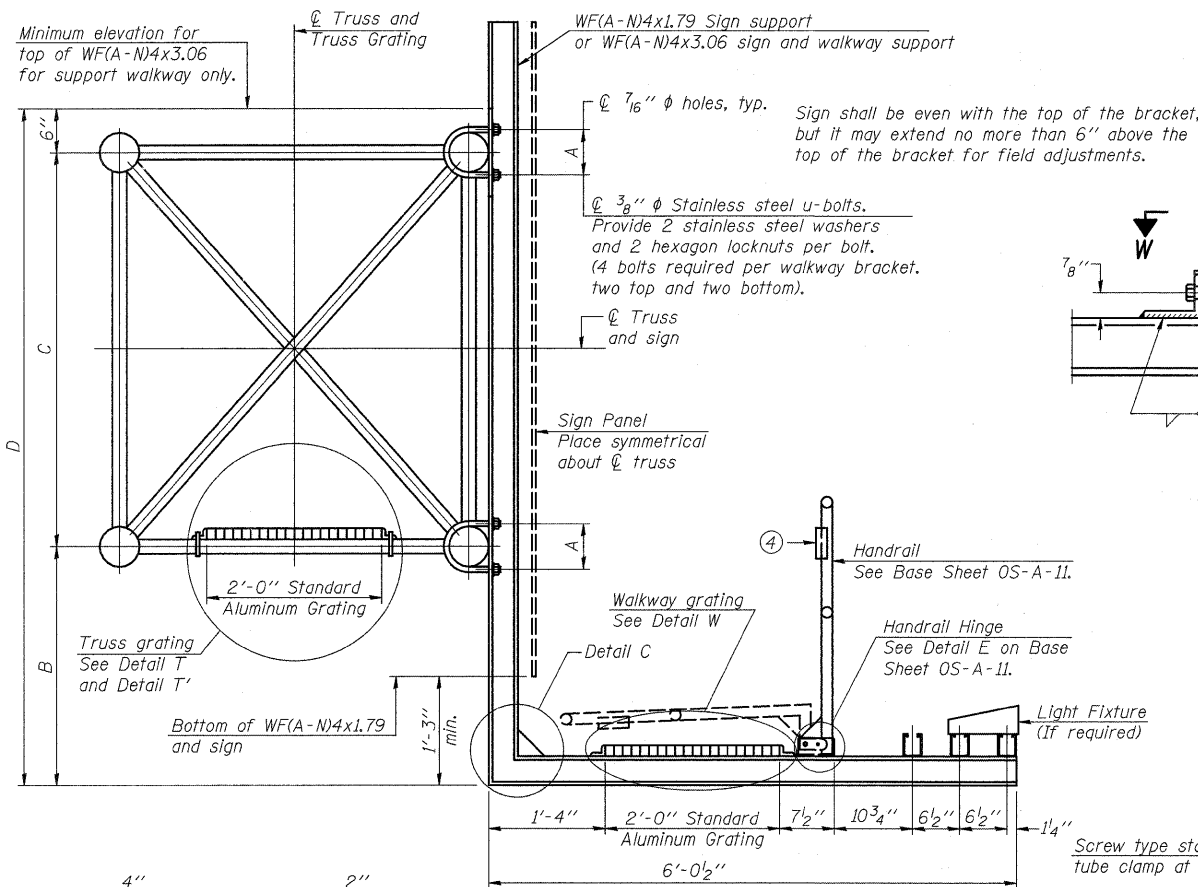
Giorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@giorba.com

OVERHEAD SIGN STRUCTURES ALUMINUM WALKWAY DETAILS

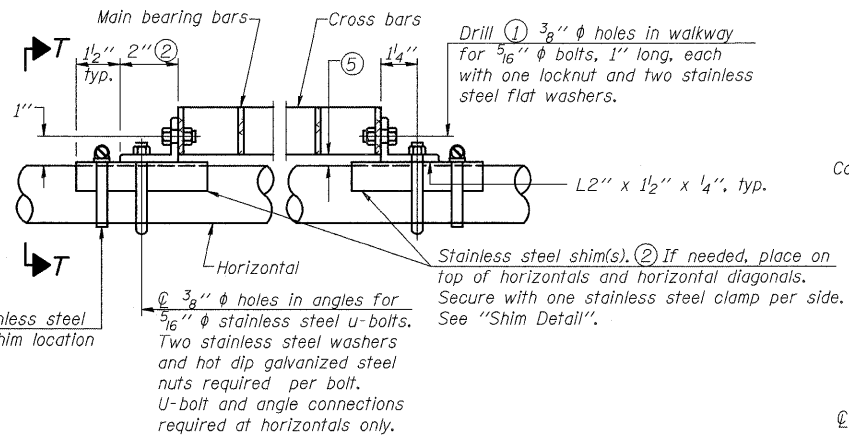
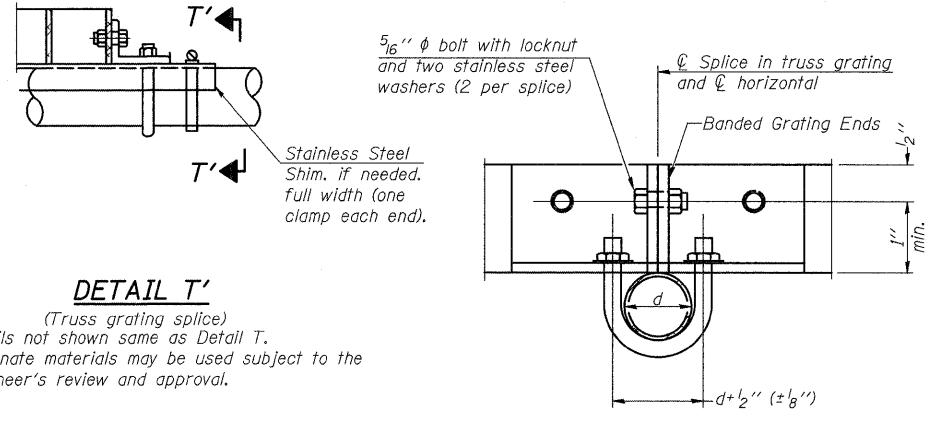
SHEET NO. 7 OF 11

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN STRUCTURE DETAILS	F.A.I. RTE. 80	SECTION (B1-1)R-1	COUNTY ROCK ISLAND	TOTAL SHEETS 292	SHEET NO. 187	
CONTRACT NO. 64933	PLOT SCALE = 5/8" = 1' / IN.	DRAWN -	REVISED -			SCALE:	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		
	PLOT DATE = Mon Dec 15 08:26:21 2008	CHECKED -	REVISED -								
		DATE -	REVISED -								

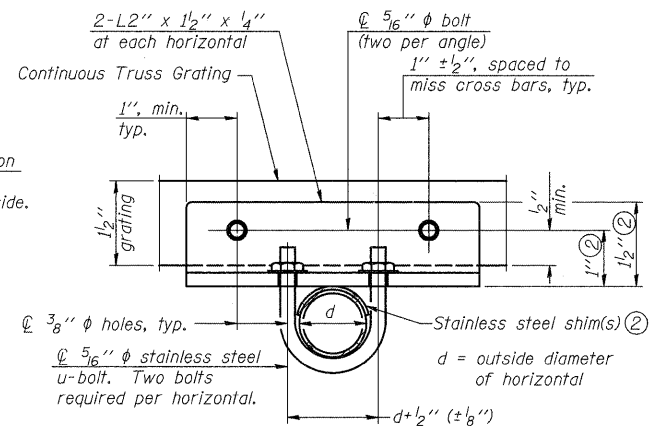
Mon Dec 15 08:26:22 2008 \$NAME\$



DETAIL W
(Walkway grating)



DETAIL T
(Continuous Truss grating)



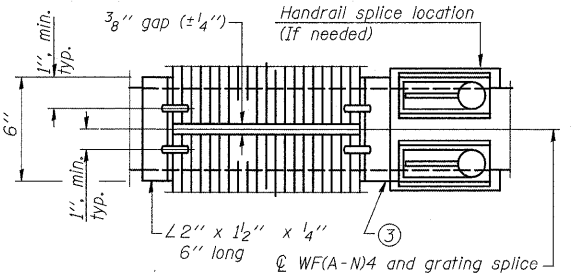
SECTION T-T

SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

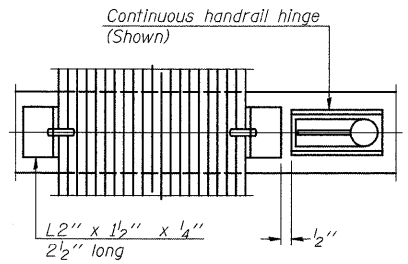
Main Bearing Bars shall be 3/16" x 1 1/2" on 1 3/16" centers and conform to ASTM B221 Alloy 6061-T6.
Cross bars shall be 3/16" x 1 1/2" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

OR

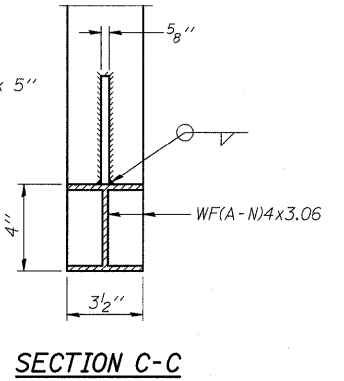
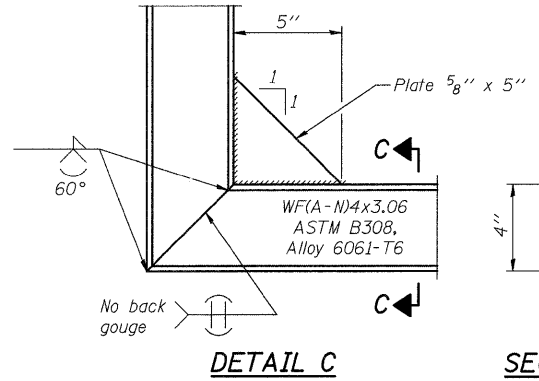
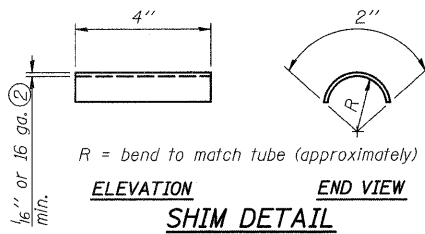
Aluminum Grating with modified "4" sections for main bearing bars shall meet the following requirements:
Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 in.³ per bar, a depth of 1 1/2", spaced on 1 3/16" centers.
Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.



(AT WALKWAY GRATING SPLICE)



SECTION W-W
(CONTINUOUS WALKWAY GRATING)



OS-A-10 5/16/08

DESIGNED	E. Mroczek
CHECKED	-
DRAWN	M. Balog
CHECKED	E. Mroczek

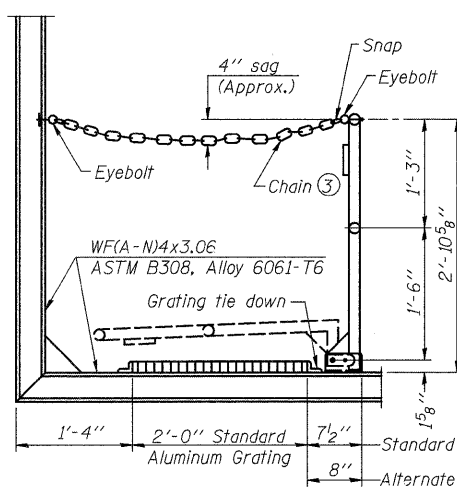
Giorga Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@giorga.com

NUMBER	REVISION	DATE

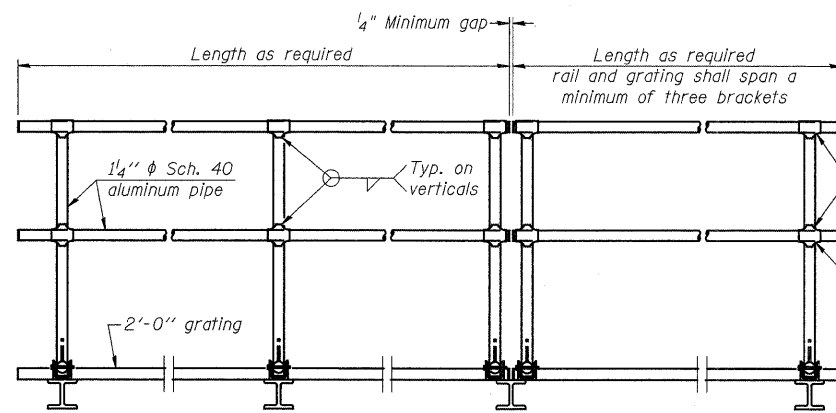
Structure Number	Station	A	B	C	D
2S0811080R001.0	85+46.83	6 1/2"	6' - 10 1/2"	5' - 3"	12' - 7 1/2"
2S0811080R001.8	130+80.00	7"	6' - 10 1/2"	5' - 3"	12' - 7 1/2"
2S0811080L002.3	155+45.12	6"	6' - 3"	4' - 6"	11' - 3"

**OVERHEAD SIGN STRUCTURES
ALUMINUM WALKWAY DETAILS**

SHEET NO. 8 OF 11



SIDE ELEVATION
(Showing safety chain w/o sign)

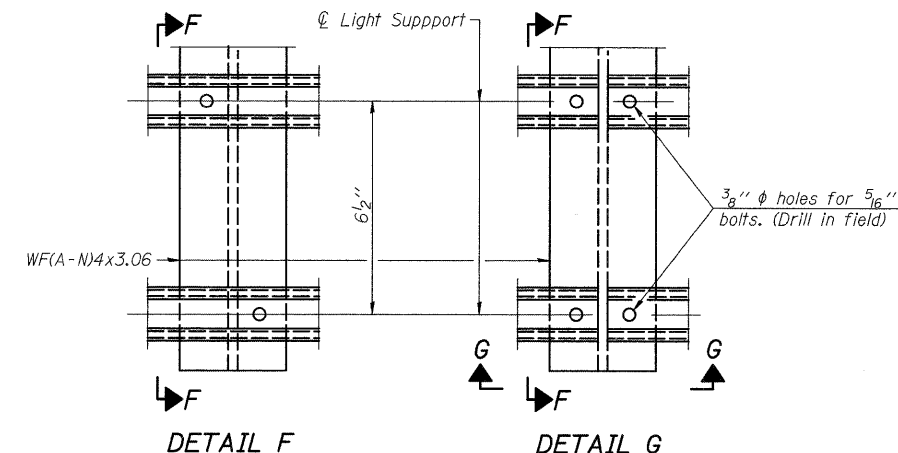


FRONT ELEVATION

HANDRAIL DETAILS

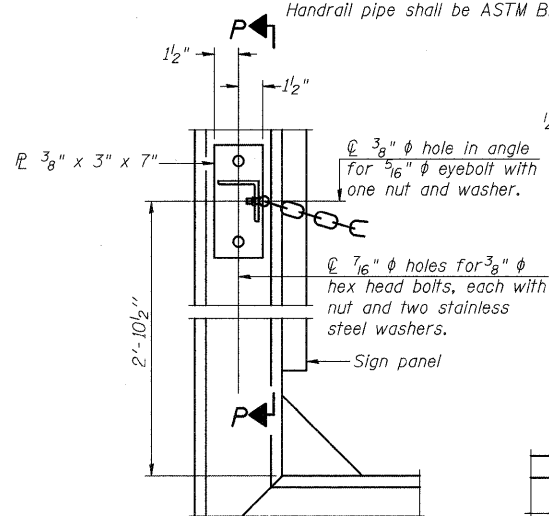
Handrail pipe shall be ASTM B241 or B429, Alloy 6063-T6 or Alloy 6061-T6.

- ① Install standard force-fit end caps or weld 1/8" end plates with 1/8" c.f.w. and grind smooth. (All rail ends)
- ② Horizontal handrail member shall be continuous thru fitting. Provide 1/16" hole in fitting for 3/8" bolt. Field drill 1/16" hole in horizontal rail member. Provide locknut and two stainless steel washers for bolt. (Use 5/16" eyebolts in 1/16" holes on top rail at ends only.)



DETAIL F

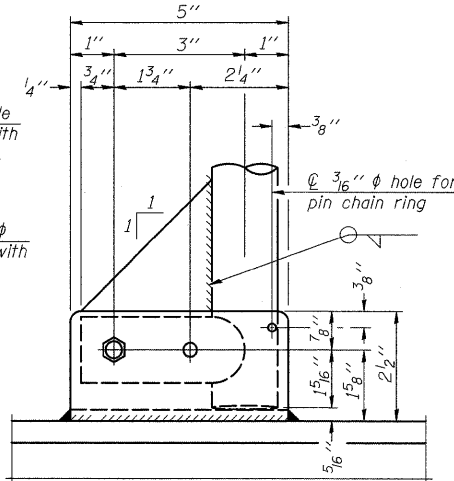
DETAIL G



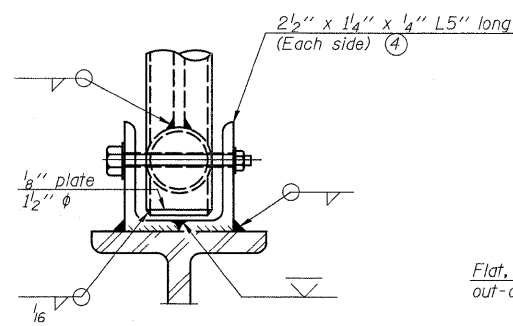
ALTERNATE SAFETY CHAIN ATTACHMENT

(With Sign Present)

Items not shown same as "Side Elevation" of "Handrail Details"

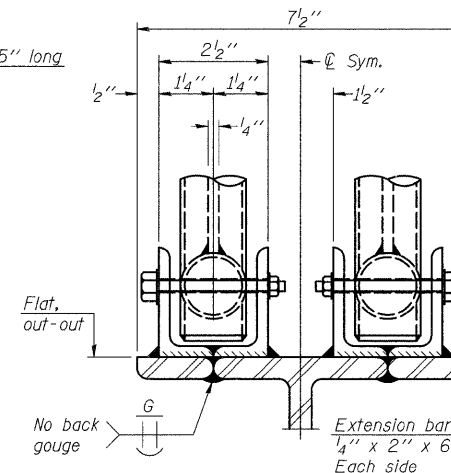


SIDE ELEVATION

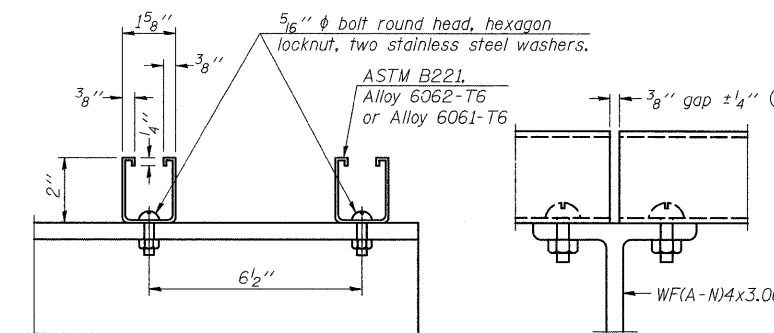


FRONT ELEVATION

See "Elevation" at right for dimensions.



ELEVATION AT HANDRAIL JOINT ④

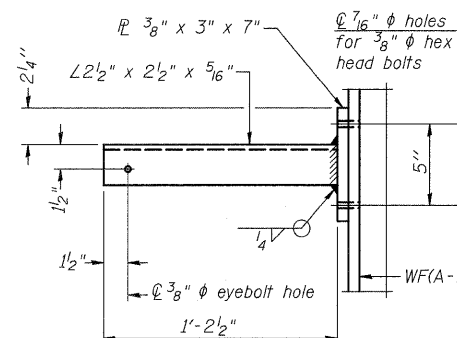


SECTION F-F

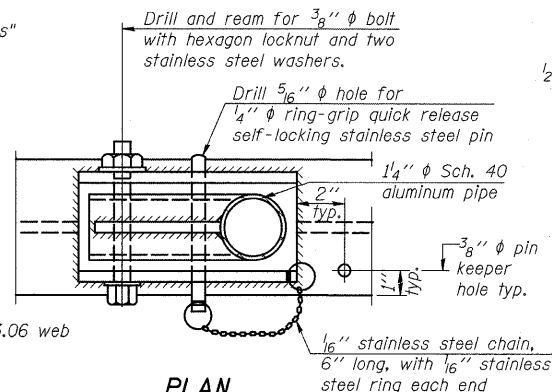
SECTION G-G

LIGHTING FIXTURE MOUNTS (IF REQUIRED)

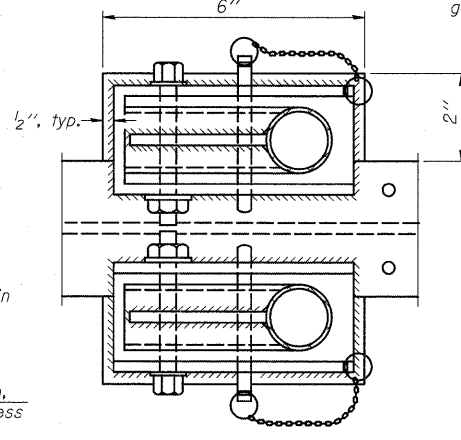
- ⑤ Field cut ends of light support channels shall be free of burrs or hazardous projections and coated with zinc-rich primer or equivalent.



SECTION P-P

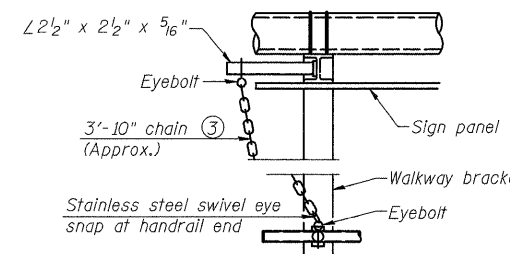


PLAN DETAIL E HANDRAIL HINGE



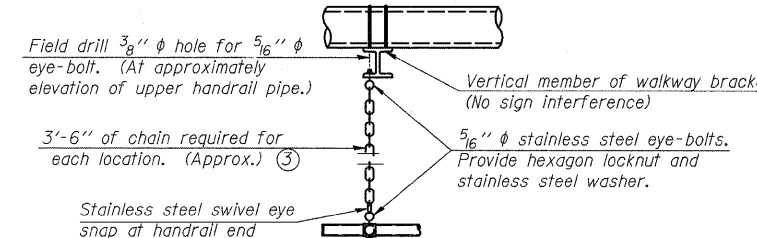
PLAN AT HANDRAIL JOINT

Details not shown same as "PLAN"



ALTERNATE SAFETY CHAIN ATTACHMENT

Details not shown similar to "Safety Chain" Details (Walkway omitted for clarity)



SAFETY CHAIN

One required for each end of each walkway.

OVERHEAD SIGN STRUCTURES ALUMINUM HANDRAIL DETAILS

OS-A-11 5/16/08

DESIGNED E. Mroczek
CHECKED -
DRAWN M. Balog
CHECKED E. Mroczek



Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

NUMBER	REVISION	DATE

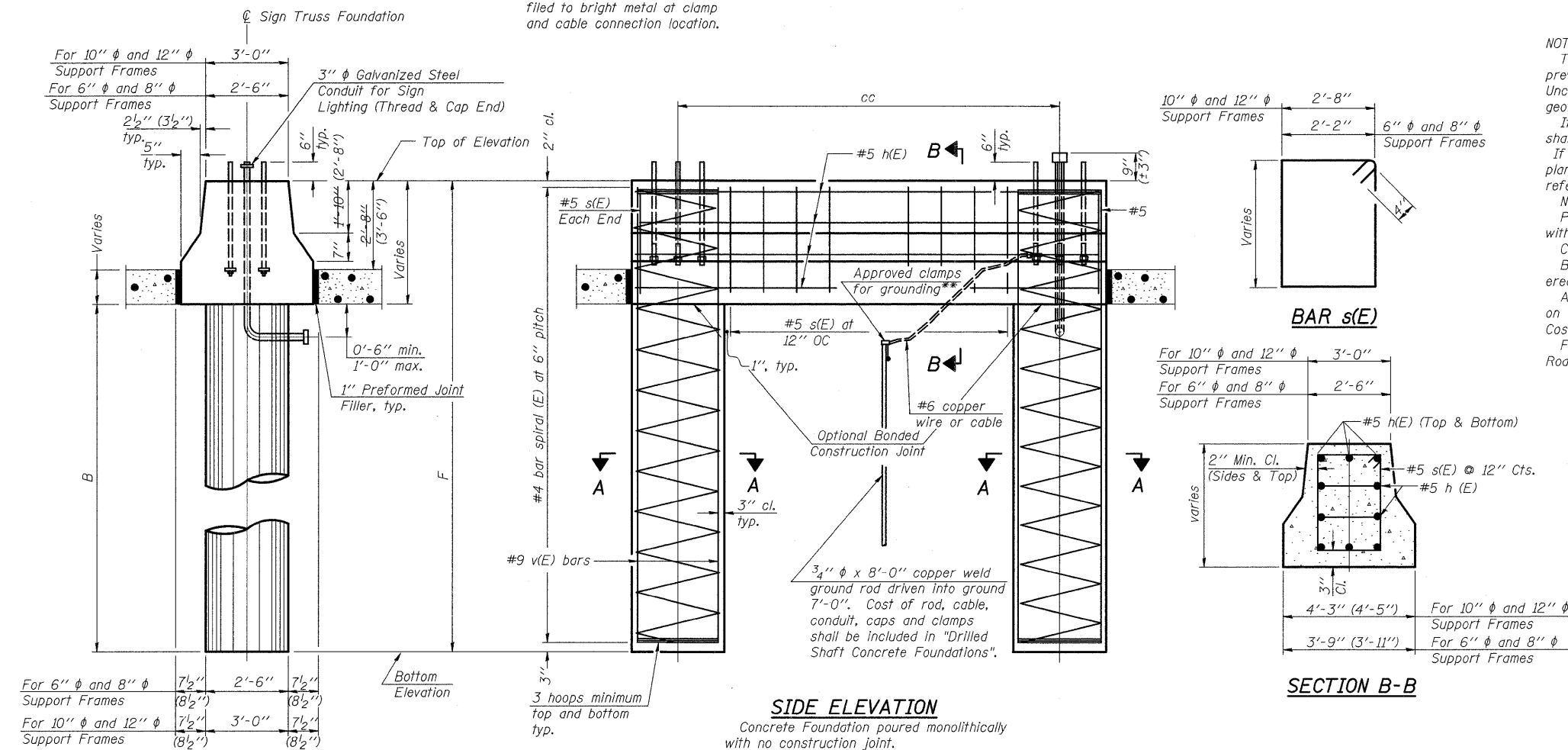
- ③ 3/16" Type 304L stainless steel chain, approximately 12 links per foot.
- ④ Extrusions may be used in lieu of the details shown, with approval of the Engineer.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGN STRUCTURE DETAILS

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN STRUCTURE DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
os\pw\work\p\p\dot\grantpm\dms34287\d0803\signstruc.dgn		DRAWN -	REVISED -			80	(81-1)R-1	ROCK ISLAND	292	189	
PLOT SCALE = 5.0000' / IN.		CHECKED -	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 64933
PLOT DATE = Mon Dec 15 08:26:23 2008		DATE -	REVISED -								

* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.



NOTES:
 The foundation dimensions shown are based on the soil boring logs determined by previous soil investigations at the jobsite and on a site specific design. The average Unconfined Compression Strength (Qu) assumed for the design based on the available geotechnical data is specified in Table A. See Sheet No. 10.
 If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.
 No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.
 Concrete shall be placed monolithically, without construction joints.
 Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.
 A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Drilled Shaft Concrete Foundation.
 For boring logs see sheets 12 thru 15. For sign structure and boring locations see Roadway plans.

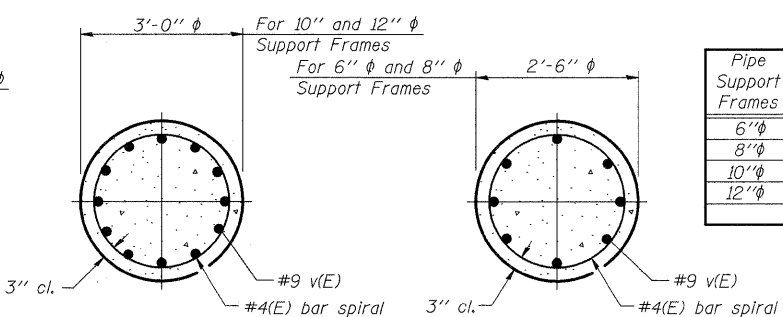
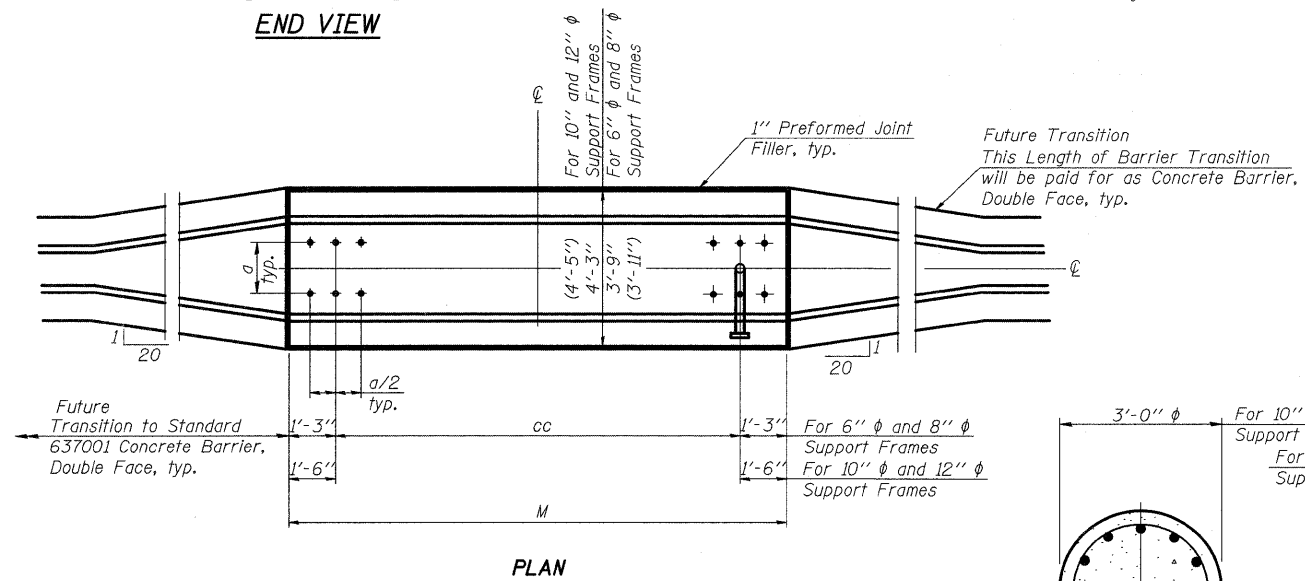
BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
h(E)	10	#5	M less 4"	—
s(E)	6	#5	Varies	□
v(E)	16	#9	F less 0'-5"	—
v(E)	24	#9	F less 0'-5"	—
#4(E) bar spiral - see Side Elevation				

All dimensions in parenthesis are for 42" high barrier.

Structure Number	Station	Left Foundation				Right Foundation				Class SI Concrete (Cu. Yds.)	Reinforcement Bars, Epoxy Coated (Pound)
		Elevation Top	Elevation Bottom	B	F	Elevation Top	Elevation Bottom	B	F		
2S0811080R001.0	85+46.83	696.89	654.39	38'-0"	42'-6"					26.5	4,600
2S0811080R001.8	130+80.00	689.87	647.87	37'-6"	42'-0"					26.3	4,550
2S0811080L002.3	155+45.12	693.22	654.72	34'-0"	38'-6"					24.4	4,190

*** Looking at Face of signs



Pipe Support Frames	cc	M	a	a/2
6"φ	7'-0"	9'-6"	0'-11"	5 1/2"
8"φ	7'-6"	10'-0"	1'-1 1/2"	6 3/4"
10"φ	8'-3"	11'-3"	1'-3"	7 1/2"
12"φ	9'-0"	12'-0"	1'-6"	9"

**OVERHEAD SIGN STRUCTURES
 MEDIAN SUPPORT FOUNDATION DETAILS**

Mon Dec 15 08:26:25 2008 \$NAME\$

OS4-MED 5/16/08

DESIGNED	E. Mroczek
CHECKED	-
DRAWN	M. Balog
CHECKED	E. Mroczek

Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SIGN STRUCTURE DETAILS

FILE NAME =	USER NAME = grantpm	DESIGNED =	REVISED =	SCALE:	SHEET NO. OF SHEETS STA. TO STA.	F.A.I. RTE. 80	SECTION (81-1R-1)	COUNTY ROCK ISLAND	TOTAL SHEETS 292	SHEET NO. 191	
ct:\pw_work\p1\dot\grantpm\dms34287\d08403signstruc.dgn	DRAWN =	REVISED =									
PLOT SCALE = 5.0000 / IN.	CHECKED =	REVISED =									
PLOT DATE = Mon Dec 15 08:26:25 2008	DATE =	REVISED =									
						CONTRACT NO. 64933		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

BORING LOGS



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 1

Date 8/5/08

ROUTE FAI 80 DESCRIPTION P92-084-03 Sign Truss on E.B. I-80, just after Mississippi River Bridge LOGGED BY W. Garza

SECTION (81-1)R-1 LOCATION Hampton Twp. - 3 SE, SEC. , TWP. 18N, RNG. 1E

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

STRUCT. NO. _____
Station _____

BORING NO. B-1a
Station 55+83
Offset 49.00ft Rt of I-80 EB CL
Ground Surface Elev. 99.50 ft

DEPTH (ft)	BULGE (1/6")	SHEAR (tsf)	FAILURE MODE (%)
97.50	100/4"		
93.50	11	2.7	12.0
91.00	11	2.1	12.0
88.50	10	0.6	15.0
86.00	13	2.3	12.0
83.00	13	3.5	11.0
81.00	27		
	6		

DEPTH (ft)	SOIL DESCRIPTION	DEPTH (ft)	SOIL DESCRIPTION
97.50	SOFT brown SILTY CLAY LOAM	78.50	VERY DENSE tan SANDY GRAVEL (continued)
95.50	VERY DENSE gray LIMESTONE	76.50	VERY DENSE tan weathered LIMESTONE
93.50	VERY STIFF tan LOAM		Auger Refusal at 23' End of Boring
91.00	VERY STIFF tan SANDY LOAM with SAND lens		
88.50	MEDIUM tan SANDY LOAM		
86.00	VERY STIFF gray SANDY LOAM TILL		
83.00	VERY STIFF gray SANDY LOAM TILL		
81.00	VERY DENSE tan dry SANDY GRAVEL		

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

BBS, from 137 (Rev. 8-99)

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -
ot\pw_work\p\p\dot\grantpm\dms34287\d084031logs.dgn		DRAWN -	REVISED -
PLOT SCALE = 65.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = Mon Dec 15 08:23:56 2008		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.I. RTE. 80	SECTION (81-1)R-1	COUNTY ROCK ISLAND	TOTAL SHEETS 292	SHEET NO. 192
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64933	

BORING LOGS



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 2

Date 8/6/08

ROUTE FAI 80 DESCRIPTION P92-084-03 Sign Truss on E.B. I-80, 1.5 m. E. of Mississippi River Bridge LOGGED BY W. Garza

SECTION (81-1)R-1 LOCATION Hampton Twp. - 3 SE, SEC. , TWP. 18N, RNG. 1E

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

STRUCT. NO. _____
Station _____
BORING NO. B-1c
Station 131+16
Offset 37.00ft Lt of I-80 EB CL
Ground Surface Elev. 97.50 ft

D	B	U	M	Surface Water Elev.	D	B	U	M
E	L	C	O	ft	E	L	C	O
P	O	S	I	Stream Bed Elev.	P	O	S	I
T	W	S	S	Groundwater Elev.:	T	W	S	S
H	S	Qu	T	First Encounter	H	S	Qu	T
				75.5				
(ft)	(/6")	(tsf)	(%)	ft	(ft)	(/6")	(tsf)	(%)
				Upon Completion				
				After				
				Hrs.				

Soil Description	Depth (ft)	(/6")	(tsf)	(%)	Soil Description	Depth (ft)	(/6")	(tsf)	(%)
MEDIUM brown SILTY CLAY LOAM	97.50		0.5	19.0	MEDIUM gray/tan SILTY LOAM (continued)	76.50	2	0.5	25.0
			P				4	B	
STIFF brown SILTY CLAY LOAM	95.50	3			SOFT gray SILT	74.00	1		
		4	1.4	23.0			3	0.3	26.0
	94.00	5	P				4	B	
MEDIUM brown SILTY CLAY	91.50	2			SOFT gray SILT	71.50	0		
		2	0.5	26.0			3	0.4	28.0
		4	B		MEDIUM gray SILTY LOAM	69.00	0		
VERY SOFT tan SILTY LOAM	89.00	0					1	0.5	29.0
		1	0.2	26.0			3	B	
		2	B		STIFF gray SILTY CLAY LOAM	66.50	0		
SOFT gray SILTY LOAM	86.50	0					3	1.0	26.0
		2	0.3	26.0			4	B	
		3	P		STIFF gray SILTY CLAY LOAM with SAND lens	63.50	3		
SOFT tan SILT	84.00	0					4	1.8	22.0
		2	0.3	25.0			5	B	
		3	B		STIFF gray LOAM TILL with SAND lens	61.00	0		
VERY SOFT tan SILTY LOAM	81.50	0					2	1.3	14.0
		2	0.2	26.0			4	B	
		3	B		HARD tan CLAY LOAM TILL	58.50	3		
VERY SOFT tan SILT	79.00	0					6	4.5	17.0
		2	0.2	27.0			12	P	
		3	B		MEDIUM gray/tan SILTY LOAM	58.50	0		
MEDIUM gray/tan SILTY LOAM	58.50	0							

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

BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 2 of 2

Date 8/6/08

ROUTE FAI 80 DESCRIPTION P92-084-03 Sign Truss on E.B. I-80, 1.5 m. E. of Mississippi River Bridge LOGGED BY W. Garza

SECTION (81-1)R-1 LOCATION Hampton Twp. - 3 SE, SEC. , TWP. 18N, RNG. 1E

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

STRUCT. NO. _____
Station _____
BORING NO. B-1c
Station 131+16
Offset 37.00ft Lt of I-80 EB CL
Ground Surface Elev. 97.50 ft


D	B	U	M	Surface Water Elev.	D	B	U	M
E	L	C	O	ft	E	L	C	O
P	O	S	I	Stream Bed Elev.	P	O	S	I
T	W	S	S	Groundwater Elev.:	T	W	S	S
H	S	Qu	T	First Encounter	H	S	Qu	T
				75.5				
(ft)	(/6")	(tsf)	(%)	ft	(ft)	(/6")	(tsf)	(%)
				Upon Completion				
				After				
				Hrs.				

Soil Description	Depth (ft)	(/6")	(tsf)	(%)	Soil Description	Depth (ft)	(/6")	(tsf)	(%)
VERY STIFF tan CLAY LOAM TILL with COAL	56.00	4			HARD gray CLAY LOAM TILL	36.00	11		
		8	3.3	16.0			14	4.7	15.0
		13	B		End of Boring		17	B	
VERY STIFF gray CLAY LOAM TILL	53.50	1							
		7	2.7	12.0					
		11	B						
VERY STIFF gray CLAY LOAM TILL	51.00	3							
		7	3.1	13.0					
		12	B						
HARD gray CLAY LOAM TILL	48.50	5							
		9	4.3	12.0					
		13	B						
VERY STIFF gray CLAY LOAM TILL	46.00	5							
		9	3.7	13.0					
		13	B						
HARD gray CLAY LOAM TILL	43.50	6							
		10	4.5	13.0					
		15	B						
Wash	41.00	3							
VERY STIFF gray SILTY CLAY		9	3.3	15.0					
		10	B						
Wash	38.50	7							
HARD gray CLAY LOAM TILL		12	4.5	13.0					
		18	B						

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

BBS, from 137 (Rev. 8-99)

BORING LOGS



Illinois Department of Transportation
Division of Highways
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SOIL BORING LOG

Page 1 of 2
Date 8/7/08

ROUTE FAI 80 DESCRIPTION P92-084-03 Sign Truss on W.B. I-80, 1.2 m. W. of I-88 LOGGED BY W. Garza

SECTION (81-1)R-1 LOCATION Hampton Twp. - 3 SE, SEC. , TWP. 18N, RNG. 1E

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


STRUCT. NO. _____
Station _____

BORING NO. B-1d
Station 155+47
Offset 68.00ft Lt of I-80 WB CL
Ground Surface Elev. 90.00 ft

Description	D (ft)	B (/6")	U (tsf)	M (%)	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft Upon Completion _____ ft After _____ Hrs. _____ ft	D	B	U	M
								(ft)	(/6")	(tsf)	(%)
MEDIUM tan SILTY LOAM			0.5	26.0				2	0.2		27.0
			P		69.00			3	P		
VERY SOFT tan SILTY LOAM	88.00	0						1			
		1	0.2	30.0				3	0.2		28.0
	86.50	2	P					3	B		
VERY SOFT tan SILT		1						0			
		1	0.2	25.0				2	0.3		30.0
	84.00	4	P					3	B		
VERY SOFT tan SILT		1									
		3	0.1	23.0							
	81.50	4	B								
VERY SOFT tan/gray SILT		0									
		2	0.2	27.0							
	79.00	3	B								
VERY SOFT tan SILT		1									
		2	0.2	26.0							
	76.50	4	B								
SOFT tan SILT		1									
		2	0.3	26.0				1			
	74.00	4	B					2	0.5		15.0
		5	B								
	53.50										
SOFT gray SILT		1									
		3	0.3	27.0				1			
	71.50	4	B					5	1.9		13.0
								11	B		
	51.00										
VERY SOFT gray SILT		1									
	-20										

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

BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 2 of 2
Date 8/7/08

ROUTE FAI 80 DESCRIPTION P92-084-03 Sign Truss on W.B. I-80, 1.2 m. W. of I-88 LOGGED BY W. Garza

SECTION (81-1)R-1 LOCATION Hampton Twp. - 3 SE, SEC. , TWP. 18N, RNG. 1E

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

STRUCT. NO. _____
Station _____


BORING NO. B-1d
Station 155+47
Offset 68.00ft Lt of I-80 WB CL
Ground Surface Elev. 90.00 ft

Description	D (ft)	B (/6")	U (tsf)	M (%)	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft Upon Completion _____ ft After _____ Hrs. _____ ft	D	B	U	M
								(ft)	(/6")	(tsf)	(%)
HARD tan CLAY LOAM TILL with SAND lens		17									
		17	4.2	11.0							
	48.50	23	B								
Wash		7									
HARD tan CLAY LOAM TILL with SAND lens		14	5.6	12.0							
	46.00	18	B								
Wash		16									
HARD tan CLAY LOAM TILL with SAND lens		18	5.0	14.0							
	43.50	18	B								
Wash		11									
VERY STIFF gray CLAY LOAM TILL		16	3.0	14.0							
	41.00	21	P								
Wash		8									
VERY STIFF gray CLAY LOAM TILL		13	3.1	15.0							
	38.50	17	B								
HARD gray CLAY LOAM TILL		9									
		14	5.6	13.0							
	36.00	19	B								
HARD gray CLAY LOAM TILL		10									
		15	4.1	13.0							
	33.50	20	B								
HARD gray CLAY LOAM TILL											
	-60										

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

BBS, from 137 (Rev. 8-99)

BORING LOGS



Illinois Department of Transportation
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SOIL BORING LOG

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Date 8/6/08

ROUTE FAI 80 DESCRIPTION P92-084-03 Sign Truss on E.B. I-80, .6 m. E. of Mississippi River LOGGED BY W. Garza

SECTION (81-1)R-1 LOCATION Hampton Twp. - 3 SE, SEC. , TWP. 18N, RNG. 1E

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

STRUCT. NO. _____
Station _____

BORING NO. B-2b
Station 85+91
Offset 53.00ft Rt of I-80 EB CL
Ground Surface Elev. 96.10 ft

DEPTH (ft)	BLOW COUNT (/6")	FAILURE MODE (tsf)	PERCENT (%)	SOIL DESCRIPTION			
				D	B	U	M
94.10	1						
92.60	3	P	29.0				
90.10	2	B	30.0				
87.60	5	B	26.0				
85.10	5	B	27.0				
82.60	4	P	29.0				
80.10	5	B	28.0				
77.60	4	B	28.0				
75.10	4	B	31.0				
72.60	3	B	31.0				
70.10	3	B	27.0				
67.60	6	B	26.0				
65.10	5	B	24.0				
61.60	1						
59.10	5	B	20.0				
57.10	7						


Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 71.6 ft ▼
Upon Completion Dry ft
After _____ Hrs. _____ ft

Soil Descriptions:
 94.10 - 92.60: VERY SOFT tan SILTY LOAM
 90.10 - 87.60: VERY SOFT tan SILTY LOAM
 85.10 - 82.60: SOFT tan SILTY LOAM
 80.10 - 77.60: MEDIUM gray SILT
 75.10 - 72.60: MEDIUM gray SILT (continued)
 70.10 - 67.60: MEDIUM gray SILTY CLAY
 65.10 - 61.60: STIFF gray CLAY LOAM
 59.10 - 57.10: MEDIUM gray SILTY LOAM
 57.10 - 55.10: COURSE tan fine SAND
 55.10 - 53.10: MEDIUM gray SILTY CLAY LOAM TILL
 53.10 - 51.10: MEDIUM gray SILT
 51.10 - 49.10: MEDIUM gray SILTY CLAY LOAM TILL
 49.10 - 47.10: COURSE tan fine SAND
 47.10 - 45.10: MEDIUM gray SILT
 45.10 - 43.10: MEDIUM gray SILTY CLAY LOAM TILL
 43.10 - 41.10: COURSE tan fine SAND
 41.10 - 39.10: MEDIUM gray SILT
 39.10 - 37.10: MEDIUM gray SILTY CLAY LOAM TILL
 37.10 - 35.10: COURSE tan fine SAND
 35.10 - 33.10: MEDIUM gray SILT
 33.10 - 31.10: MEDIUM gray SILTY CLAY LOAM TILL
 31.10 - 29.10: COURSE tan fine SAND
 29.10 - 27.10: MEDIUM gray SILT
 27.10 - 25.10: MEDIUM gray SILTY CLAY LOAM TILL
 25.10 - 23.10: COURSE tan fine SAND
 23.10 - 21.10: MEDIUM gray SILT
 21.10 - 19.10: MEDIUM gray SILTY CLAY LOAM TILL
 19.10 - 17.10: COURSE tan fine SAND
 17.10 - 15.10: MEDIUM gray SILT
 15.10 - 13.10: MEDIUM gray SILTY CLAY LOAM TILL
 13.10 - 11.10: COURSE tan fine SAND
 11.10 - 9.10: MEDIUM gray SILT
 9.10 - 7.10: MEDIUM gray SILTY CLAY LOAM TILL
 7.10 - 5.10: COURSE tan fine SAND
 5.10 - 3.10: MEDIUM gray SILT
 3.10 - 1.10: MEDIUM gray SILTY CLAY LOAM TILL
 1.10 - 0.00: COURSE tan fine SAND

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
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Page 2 of 2
Date 8/6/08

ROUTE FAI 80 DESCRIPTION P92-084-03 Sign Truss on E.B. I-80, .6 m. E. of Mississippi River LOGGED BY W. Garza

SECTION (81-1)R-1 LOCATION Hampton Twp. - 3 SE, SEC. , TWP. 18N, RNG. 1E

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

STRUCT. NO. _____
Station _____

BORING NO. B-2b
Station 85+91
Offset 53.00ft Rt of I-80 EB CL
Ground Surface Elev. 96.10 ft

DEPTH (ft)	BLOW COUNT (/6")	FAILURE MODE (tsf)	PERCENT (%)	SOIL DESCRIPTION			
				D	B	U	M
22							
100/8"							
54.60							
100/2"							
52.10							
100/5"							
49.60							

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft


Groundwater Elev.:
First Encounter 71.6 ft ▼
Upon Completion Dry ft
After _____ Hrs. _____ ft

Soil Descriptions:
 22 - 100/8": Wash VERY DENSE gray well-cemented SAND
 54.60 - 100/2": VERY DENSE gray well-cemented SAND
 52.10 - 100/5": Wash VERY DENSE gray well-cemented SAND
 49.60: End of Boring

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

BBS, from 137 (Rev. 8-99)

BORING LOGS



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

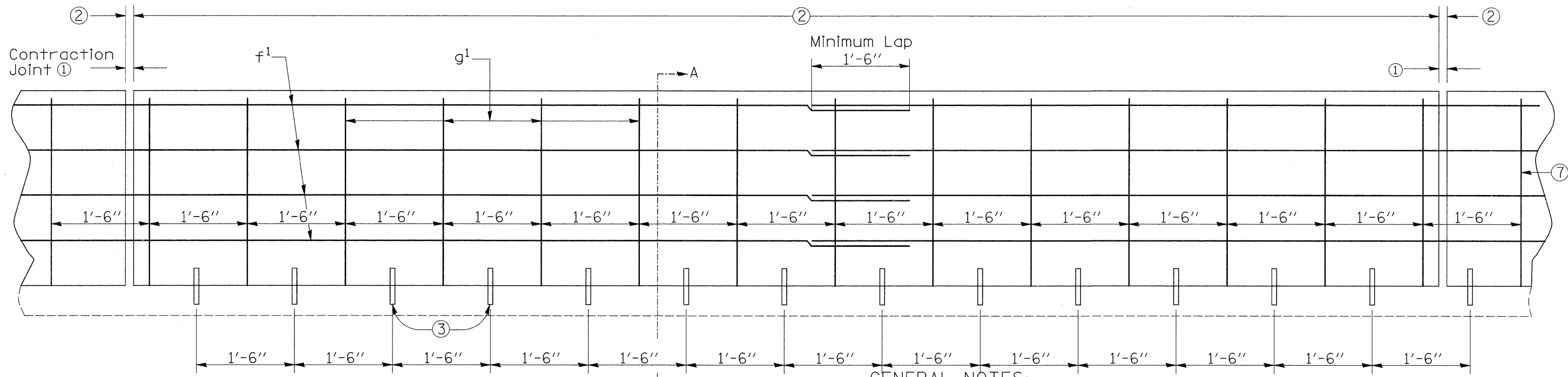
Page 1 of 2
Date 8/7/08

ROUTE FAI 80 DESCRIPTION P92-084-03 Sign Truss on W.B. I-80, 1.2 m. W. of I-88 LOGGED BY W. Garza

SECTION (81-1)R-1 LOCATION Hampton Twp. - 3 SE, SEC. , TWP. 18N, RNG. 1E

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

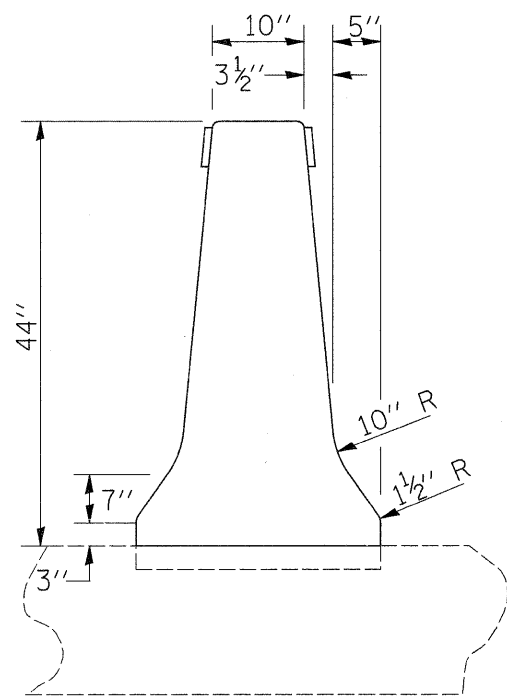
STRUCT. NO. Station	D E P T H S	B L O W S	U C S Qu	M O I S T %	Surface Water Elev. _____ ft Stream Bed Elev. _____ ft	D E P T H S	B L O W S	U C S Qu	M O I S T %	Groundwater Elev.: First Encounter _____ ft Upon Completion _____ ft After _____ Hrs.
							2	0.2	25.0	VERY SOFT gray SILT (continued)
					75.50		5	B		
							1			SOFT gray SILT
							3	0.4	26.0	
					93.00		4	P		
							1			MEDIUM gray SILT
							3	0.5	26.0	
					90.50		4	P		
							2			MEDIUM gray SILT
							3	0.5	28.0	
					90.50		4	B		
							1			MEDIUM gray SILT
							1	0.1	33.0	
					88.00		1	P		
							2			MEDIUM gray SILT
							2	0.2	25.0	
					85.50		4	B		
							2			MEDIUM gray SILT
							2	0.5	29.0	
					85.50		4	B		
							1			MEDIUM gray SILTY LOAM
							3	0.6	26.0	
					83.00		4	P		
							1			MEDIUM gray SILTY LOAM
							3	0.7	26.0	
					83.00		4	B		
							1			STIFF gray SILTY CLAY LOAM
							3	0.5	27.0	
					80.50		4	B		
							2			STIFF gray SILTY CLAY LOAM
							5	1.3	26.0	
					60.00		7	P		
							2			STIFF gray SILTY CLAY LOAM
							4	1.7	25.0	
					57.50		7	B		
							1			VERY SOFT gray SILT
							2	0.4	25.0	
					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
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							1			VERY SOFT gray SILT
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					78.00		4	P		
							1			VERY SOFT gray SILT
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					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
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					78.00		4	P		
							1			VERY SOFT gray SILT
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					78.00		4	P		
							1			VERY SOFT gray SILT
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					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
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							1			VERY SOFT gray SILT
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							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
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							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
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					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		
							1			VERY SOFT gray SILT
							2			
					78.00		4	P		



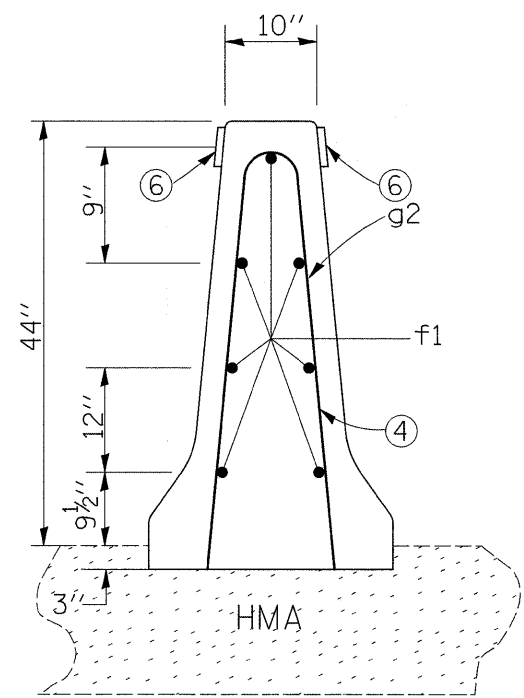
ELEVATION

GENERAL NOTES:

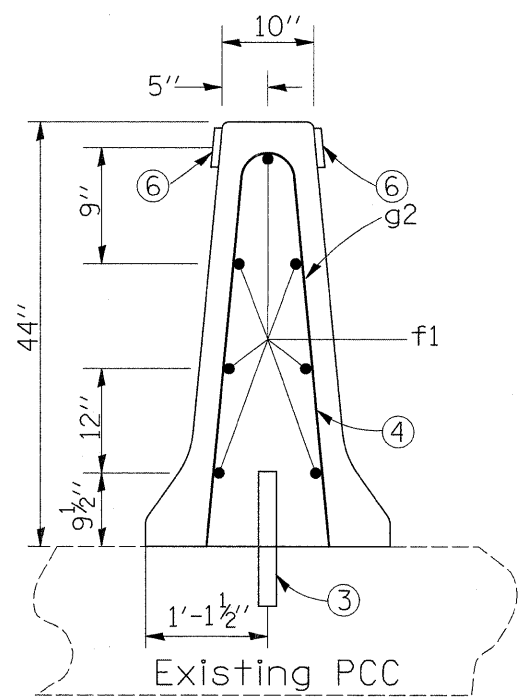
- ① Contraction Joints shall be sawed as indicated hereon. Where abutting sections are placed as separate pours, a butt joint may be used. Longitudinal reinforcement shall be extended in the abutting section a minimum of 1'-6" (spanning the butt joint).
- ② For barrier doweled to PC paved shoulders, match pavement joints. For barrier on HMA, use 20 feet.
- ③ 1 inch diameter deformed bars or sufficient length to ensure 6 inch minimum embedment in rail and supporting surface. Bars shall be either installed in supporting surface when placed or installed in drilled holes using polymer grout or hydraulic cement grout. Dower location may be adjusted 6 inches to avoid bridge approach reinforcement.
- ④ Use minimum cover of 2 inches for rebar.
- ⑤ All exposed corners are to be filleted with a 3/4" dressed and beveled strip.
- ⑥ Barrier markers to be spaced at 250 feet increments in areas with continuous lighting, 100 feet increments in areas with non-continuous lighting.
- ⑦ Barrier reinforcement shall be anchored to prevent movement. Each section shall be secured at the front, back, and at 3'-6" minimum intervals. Method of anchorage shall be approved by the Engineer.
- ⑧ This work shall be paid for at the contract unit price per foot as Concrete Barrier Wall (Special).



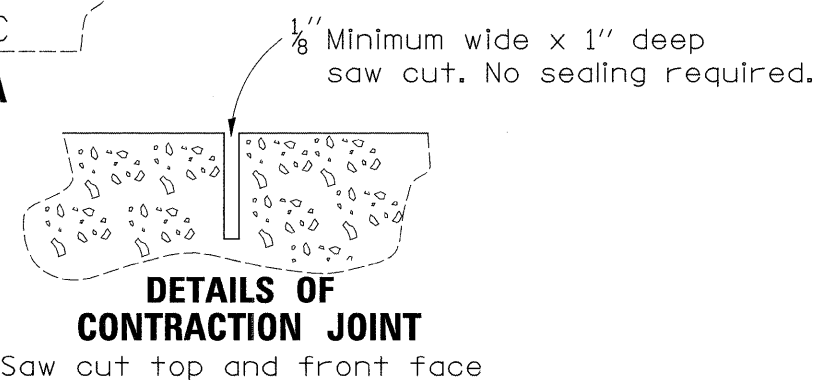
DETAILS OF F-SHAPE BARRIER FACE



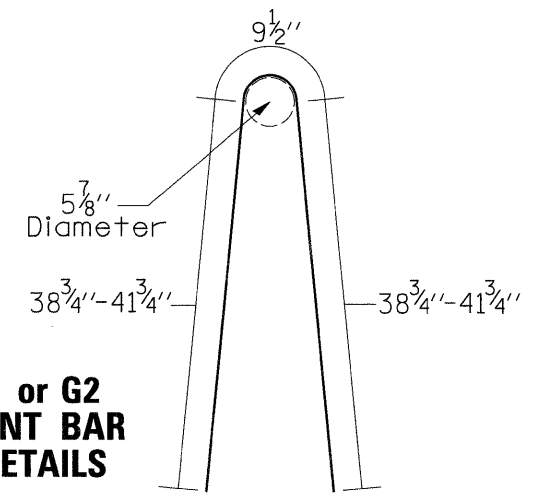
SECTION A-A



SECTION A-A



DETAILS OF CONTRACTION JOINT



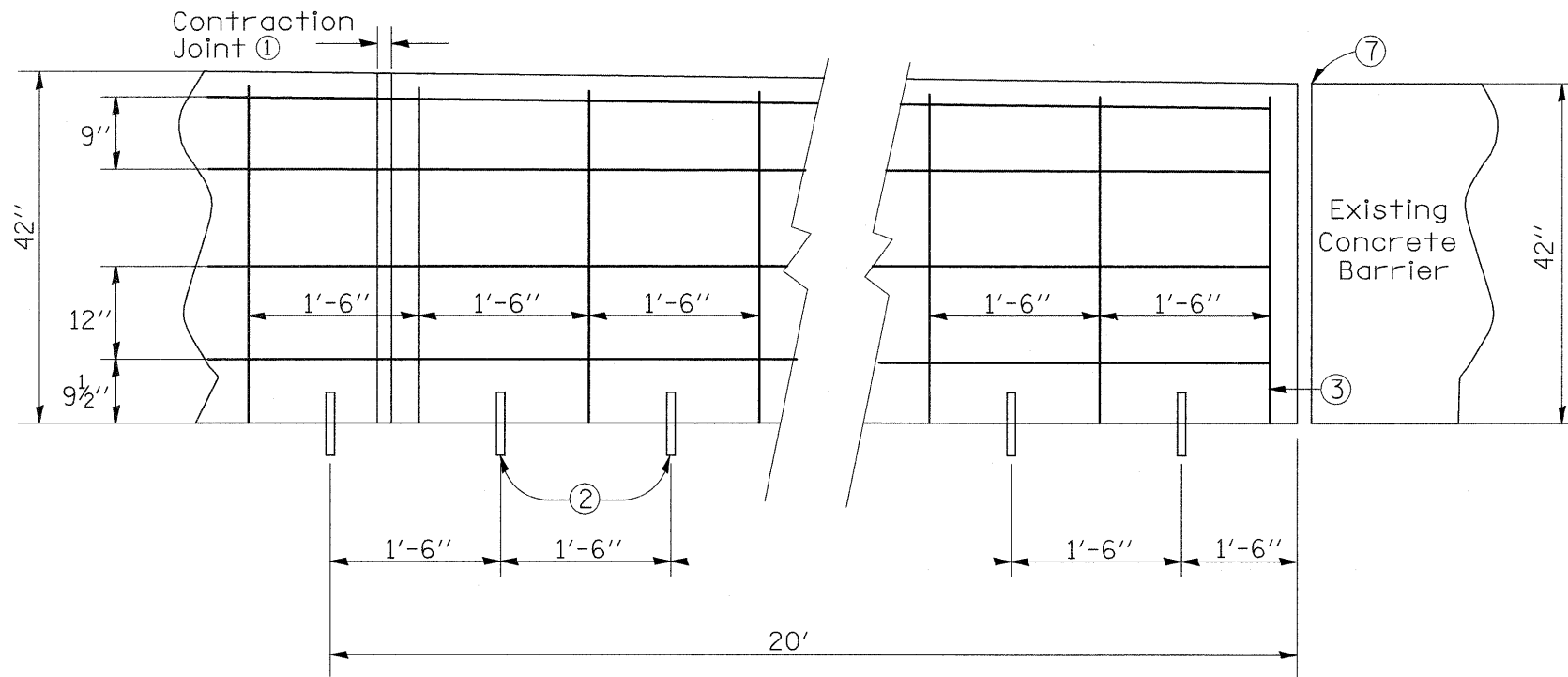
G1 or G2 BENT BAR DETAILS

REINFORCING BAR LIST				
Per Section (Approx. 20 feet)				
Mark	Size	Number of Bars	Length	WT. (lbs.)
g1	5	14	7'-3"	107
g2	5	14	7'-9"	113
f1	5	7	19'-6"	141

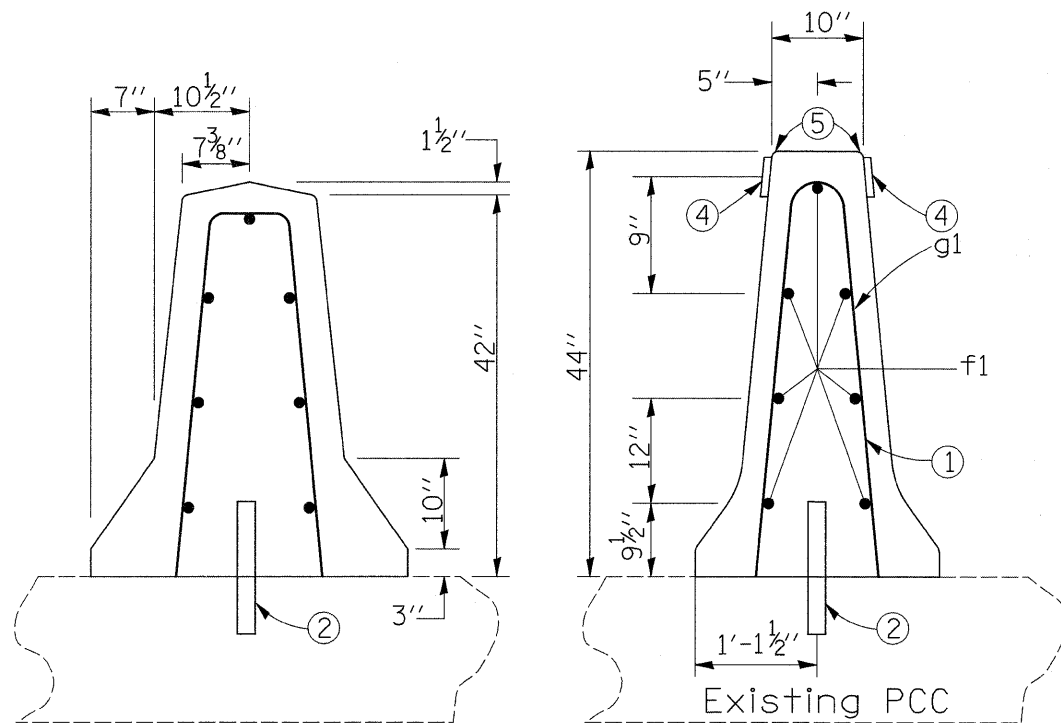
CONCRETE QUANTITIES	
Per Foot	0.15 cy

GENERAL NOTES:

- ① Use minimum cover of 2 Inches for rebars.
- ② 1 inch diameter deformed bars or sufficient length to ensure 6 inch minimum embedment in rail and supporting surface. Bars shall be either installed in supporting surface when placed or installed in drilled holes using polymer grout or hydraulic cement grout. Lower location may be adjusted 6 inches to avoid bridge approach reinforcement.
- ③ Barrier reinforcement shall be anchored to prevent movement. Each section shall be secured at the front, back, and at 3'-6" minimum intervals. Method of anchorage shall be approved by the Engineer.
- ④ Barrier Markers
- ⑤ All exposed corners are to be filleted with a $\frac{3}{4}$ " dressed and beveled strip.
- ⑥ Contraction Joints shall be sawed as indicated hereon. Where abutting sections are placed as separate pours, a butt joint may be used. Longitudinal reinforcement shall be extended in the abutting section a minimum of 1'-6" (spanning the butt joint).
- ⑦ Expansion Joint. Width of joint shall match the expansion joint between the bridge and bridge approach. Expansion material shall conform to shape of barrier. No sealer is required.
- ⑧ The shape and height of the barrier shall be smoothly transitioned from the existing bridge rail to the new median barrier.
- ⑨ This work shall be paid for at the contract unit price per foot as Concrete Barrier Wall (Special).

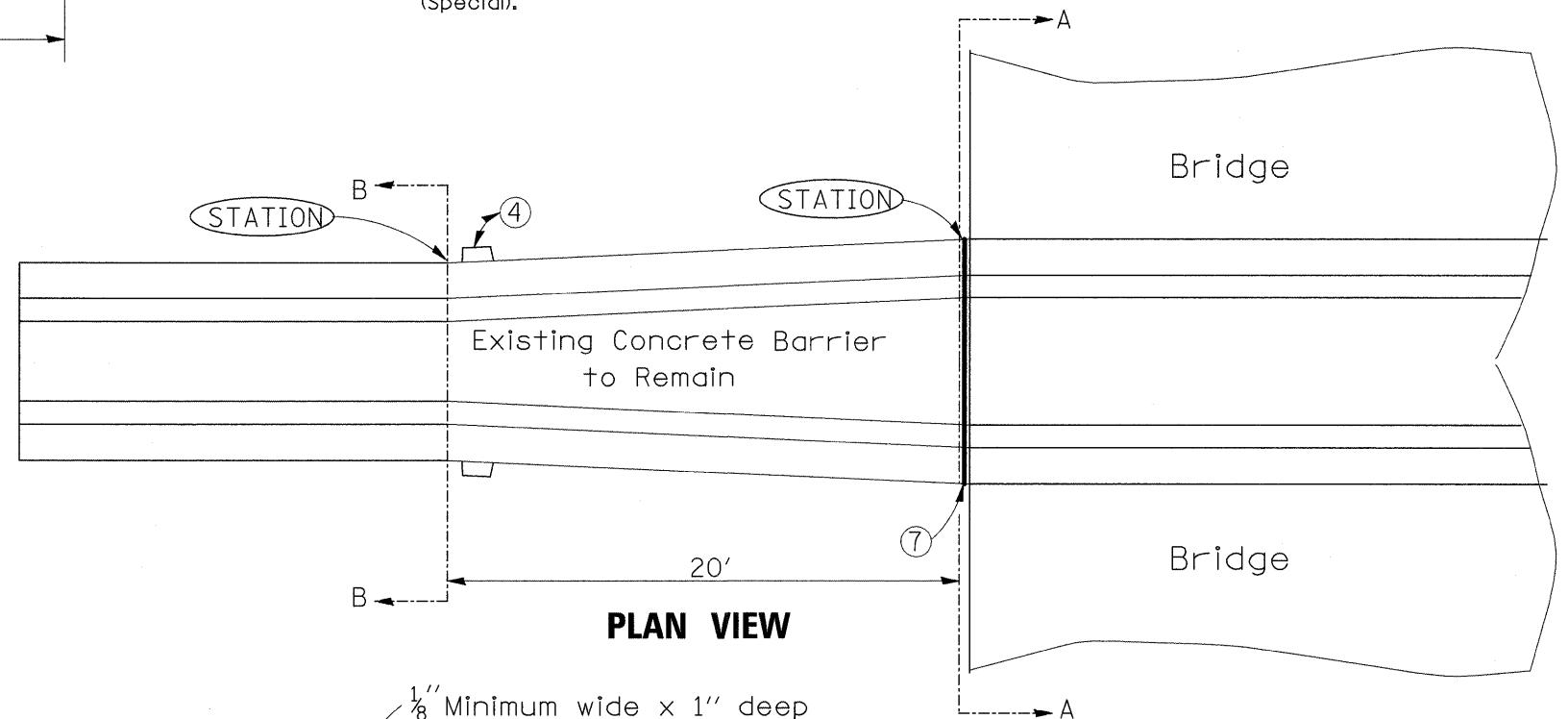


ELEVATION

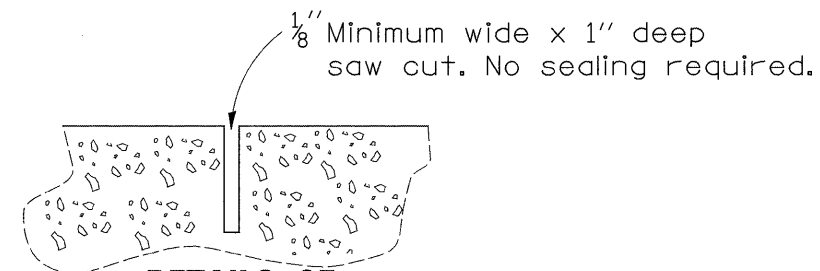


SECTION A-A
Existing Bridge Rail ⑧

SECTION B-B
New Median Barrier ⑧



PLAN VIEW



DETAILS OF CONTRACTION JOINT

Saw cut top and front face

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONCRETE MEDIAN BARRIER TRANSITION TO EXISTING BRIDGE BARRIER	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ci:\pw_work\p1\dot\grantpm\dms34287\d08403apl.dgn	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -			80	(81-1) R-1	ROCK ISLAND	292	200	
PLOT DATE = Mon Dec 15 07:55:09 2008	DATE -	CHECKED -	REVISED -			CONTRACT NO. 64933		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			
						SCALE:	SHEET NO. OF SHEETS STA. TO STA.				