

**MAINTENANCE OF TRAFFIC LEGEND**

	TRAFFIC CONTROL SIGN W/ TYPE B MONODIRECTIONAL FLASHING LIGHT		VERTICAL PANEL-DOUBLE FACED		TRAFFIC FLOW
	WORK ZONE		TYPE II BARRICADES OR DRUMS W/ STEADY BURNING LIGHT		① TEMPORARY PAVEMENT MARKING - LINE 4" WHITE
	TEMPORARY PAVEMENT		BARRICADE, TYPE III, W/ FLASHING LIGHTS		② TEMPORARY PAVEMENT MARKING - LINE 4" DOUBLE YELLOW C
	TEMPORARY PAVEMENT (VARIABLE DEPTH)		IMPACT ATTENUATOR		③ TEMPORARY PAVEMENT MARKING - LINE 24" WHITE
	TEMPORARY PAVEMENT REMOVAL		TEMPORARY CONCRETE BARRIER		P TRAFFIC CONTROL INSTALLED IN PREVIOUS STAGE
			TEMPORARY BRIDGE TRAFFIC SIGNAL		
			TEMPORARY TRAFFIC CONTROL SIGN		

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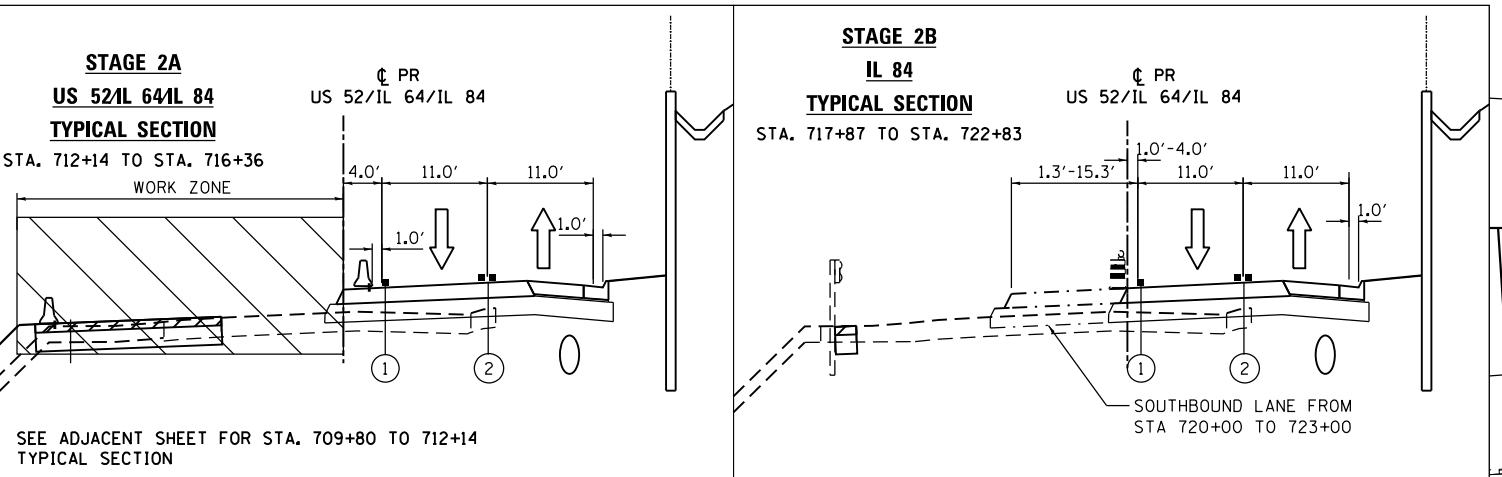
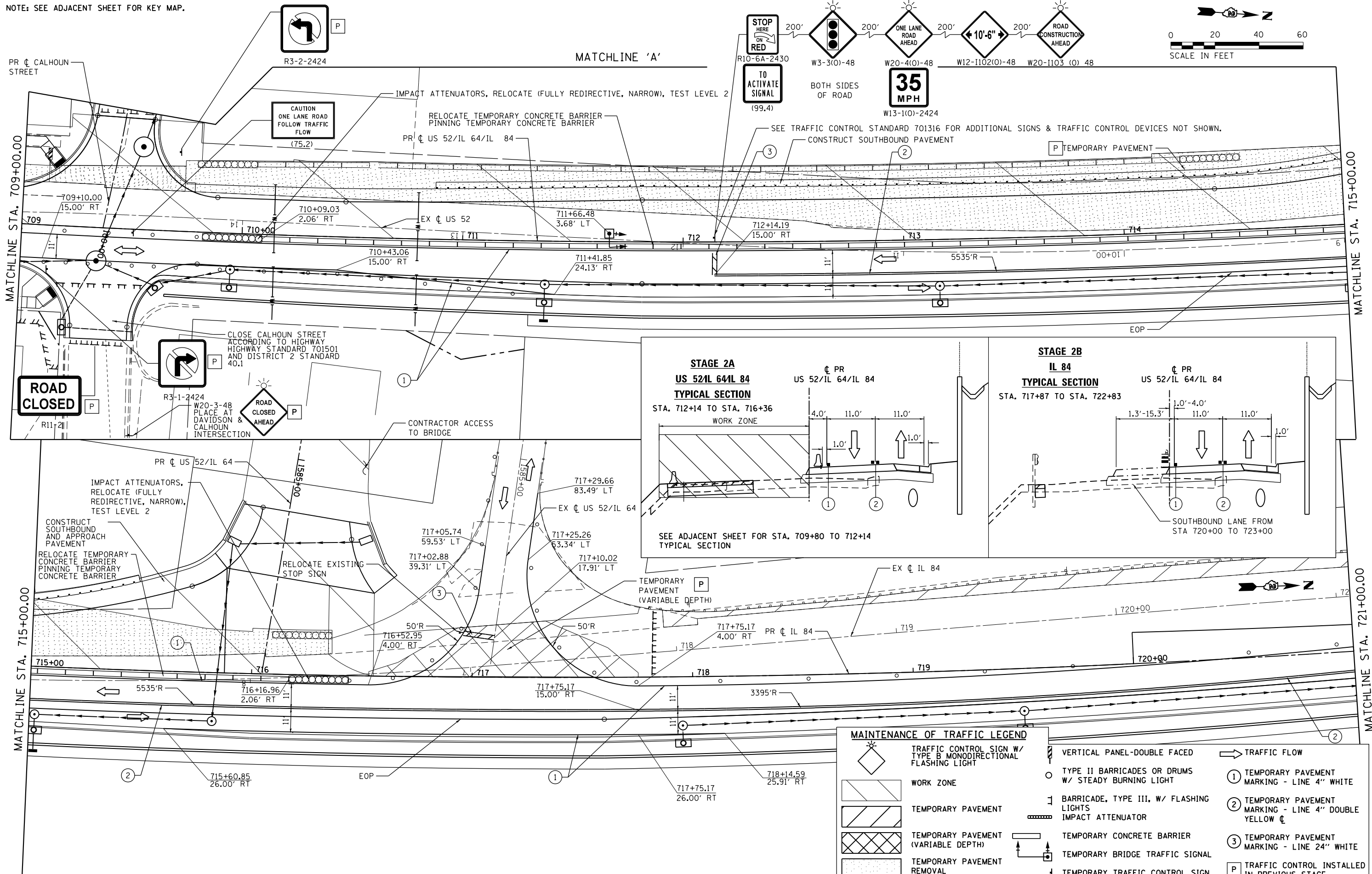
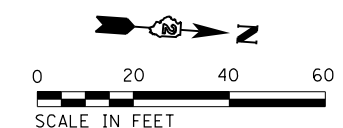
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	DRAWN - RB	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED - JC	REVISED -
PLOT DATE = 3/20/2015	DATE - 03-12-2015	REVISED -

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

**MAINTENANCE OF TRAFFIC**  
**STAGE 2B**  
 SCALE: 1"=20' SHEET 3 OF 5 SHEETS STA. 700+00 TO STA. 709+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	101
CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

NOTE: SEE ADJACENT SHEET FOR KEY MAP.



MAINTENANCE OF TRAFFIC LEGEND			
	TRAFFIC CONTROL SIGN W/ TYPE B MONODIRECTIONAL FLASHING LIGHT		VERTICAL PANEL-DOUBLE FACED
	WORK ZONE		TYPE II BARRICADES OR DRUMS W/ STEADY BURNING LIGHT
	TEMPORARY PAVEMENT		BARRICADE, TYPE III, W/ FLASHING LIGHTS
	TEMPORARY PAVEMENT (VARIABLE DEPTH)		IMPACT ATTENUATOR
	TEMPORARY PAVEMENT REMOVAL		TEMPORARY CONCRETE BARRIER
	TEMPORARY BRIDGE TRAFFIC SIGNAL		TEMPORARY TRAFFIC CONTROL SIGN
	TRAFFIC FLOW		① TEMPORARY PAVEMENT MARKING - LINE 4" WHITE
	② TEMPORARY PAVEMENT MARKING - LINE 4" DOUBLE YELLOW C		③ TEMPORARY PAVEMENT MARKING - LINE 24" WHITE
	P TRAFFIC CONTROL INSTALLED IN PREVIOUS STAGE		

USER NAME = 35361	DESIGNED - RB	REVISED -
	DRAWN - RB	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED - JC	REVISED -
PLOT DATE = 3/20/2015	DATE - 03-12-2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC  
STAGE 2B  
SCALE: 1"=20' SHEET 4 OF 5 SHEETS STA. 709+00 TO STA. 721+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	102
CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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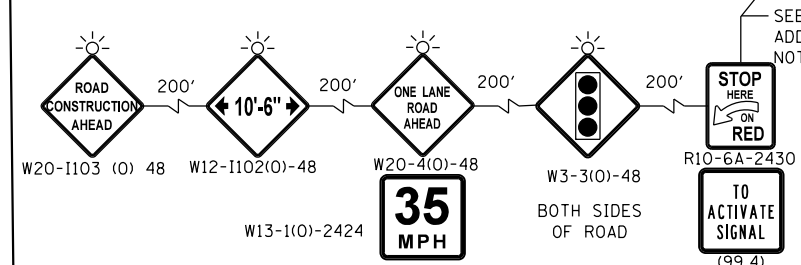
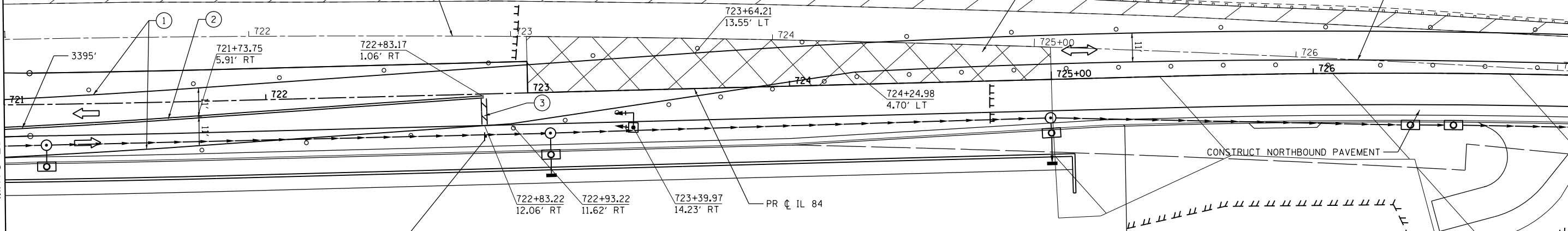
CONSTRUCT TEMPORARY PAVEMENT PRIOR TO STAGE SET-UP USING HIGHWAY STANDARD 701201.

CONSTRUCT SOUTHBOUND PAVEMENT

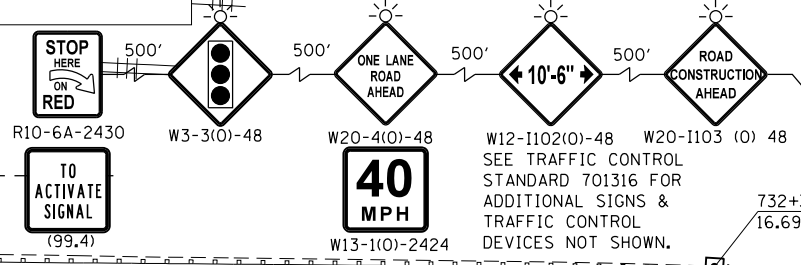
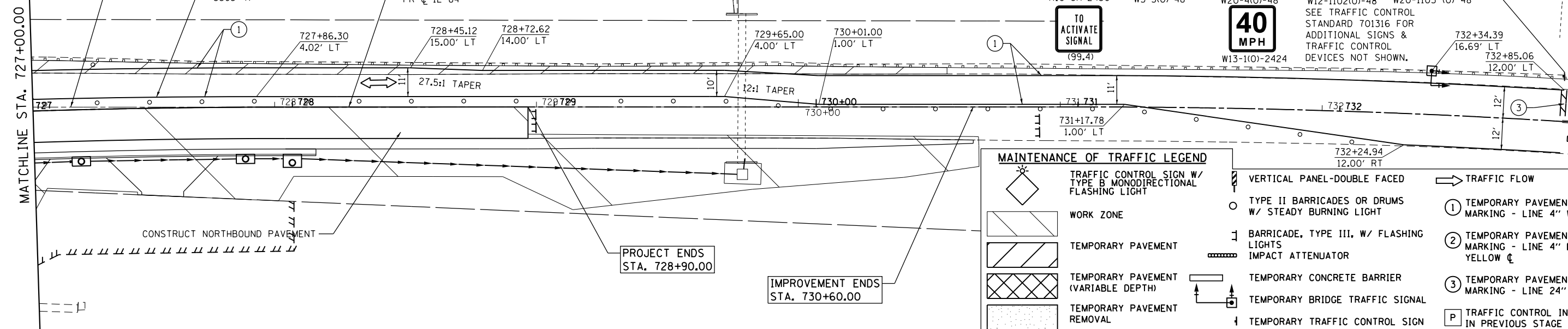
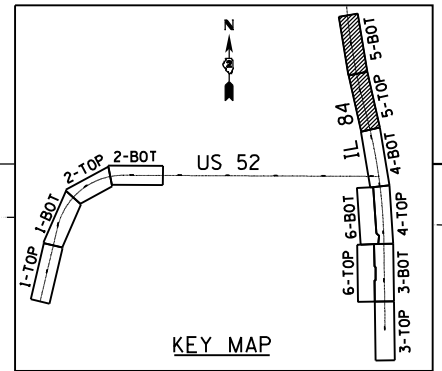
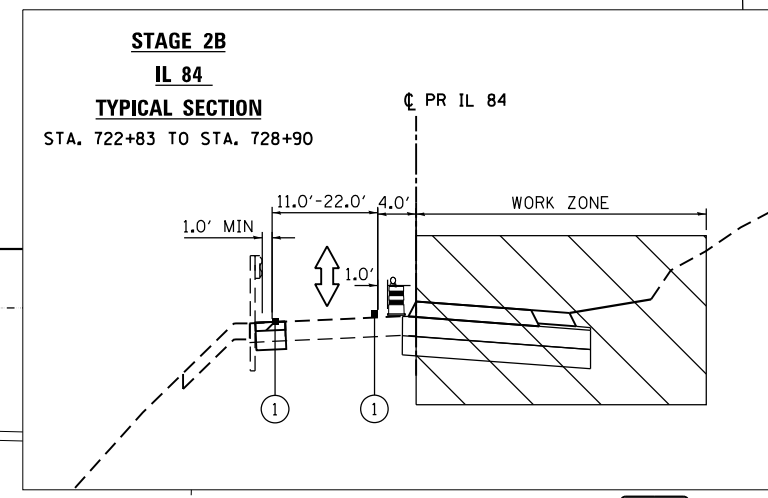
CONSTRUCT NORTHBOUND PAVEMENT

MATCHLINE STA. 721+00.00

MATCHLINE STA. 727+00.00



SEE TRAFFIC CONTROL STANDARD 701316 FOR ADDITIONAL SIGNS & TRAFFIC CONTROL DEVICES NOT SHOWN.



MAINTENANCE OF TRAFFIC LEGEND		TRAFFIC FLOW	
	TRAFFIC CONTROL SIGN W/ TYPE B MONODIRECTIONAL FLASHING LIGHT		VERTICAL PANEL-DOUBLE FACED
	WORK ZONE		TYPE II BARRICADES OR DRUMS W/ STEADY BURNING LIGHT
	TEMPORARY PAVEMENT		BARRICADE, TYPE III, W/ FLASHING LIGHTS IMPACT ATTENUATOR
	TEMPORARY PAVEMENT (VARIABLE DEPTH)		TEMPORARY CONCRETE BARRIER
	TEMPORARY PAVEMENT REMOVAL		TEMPORARY BRIDGE TRAFFIC SIGNAL
	TEMPORARY TRAFFIC CONTROL SIGN		TRAFFIC FLOW
	① TEMPORARY PAVEMENT MARKING - LINE 4" WHITE		② TEMPORARY PAVEMENT MARKING - LINE 4" DOUBLE YELLOW C
	③ TEMPORARY PAVEMENT MARKING - LINE 24" WHITE		P TRAFFIC CONTROL INSTALLED IN PREVIOUS STAGE

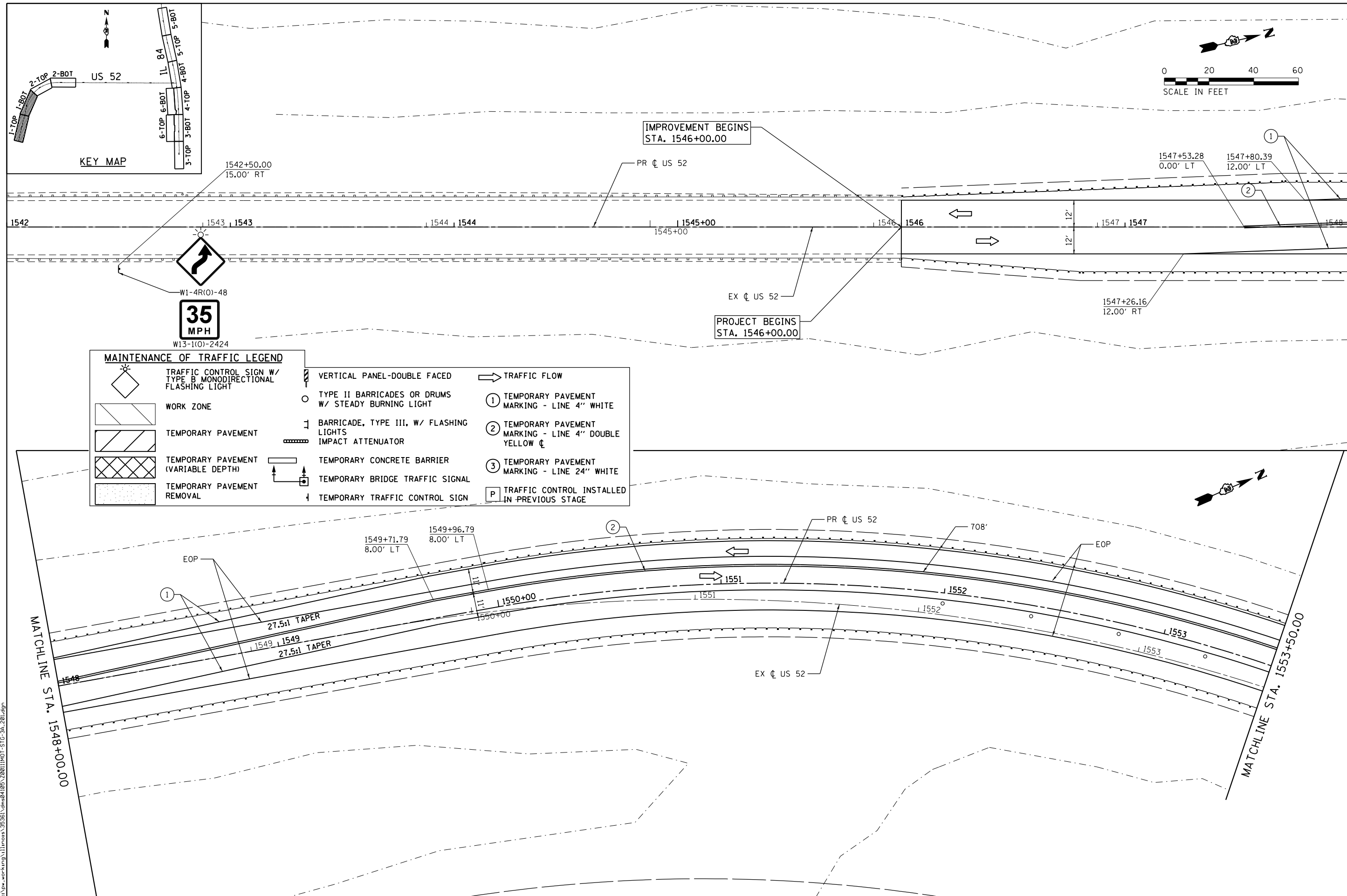
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	DRAWN - RB	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED - JC	REVISED -
PLOT DATE = 3/20/2015	DATE - 03-12-2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC  
STAGE 2B  
SCALE: 1"=20' SHEET 5 OF 5 SHEETS STA. 721+00 TO STA. 733+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	103
CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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**MAINTENANCE OF TRAFFIC LEGEND**

	TRAFFIC CONTROL SIGN W/ TYPE B MONODIRECTIONAL FLASHING LIGHT		VERTICAL PANEL-DOUBLE FACED		TRAFFIC FLOW
	WORK ZONE		TYPE II BARRICADES OR DRUMS W/ STEADY BURNING LIGHT		① TEMPORARY PAVEMENT MARKING - LINE 4" WHITE
	TEMPORARY PAVEMENT		BARRICADE, TYPE III, W/ FLASHING LIGHTS		② TEMPORARY PAVEMENT MARKING - LINE 4" DOUBLE YELLOW C
	TEMPORARY PAVEMENT (VARIABLE DEPTH)		IMPACT ATTENUATOR		③ TEMPORARY PAVEMENT MARKING - LINE 24" WHITE
	TEMPORARY PAVEMENT REMOVAL		TEMPORARY CONCRETE BARRIER		P TRAFFIC CONTROL INSTALLED IN PREVIOUS STAGE
	TEMPORARY BRIDGE TRAFFIC SIGNAL		TEMPORARY TRAFFIC CONTROL SIGN		

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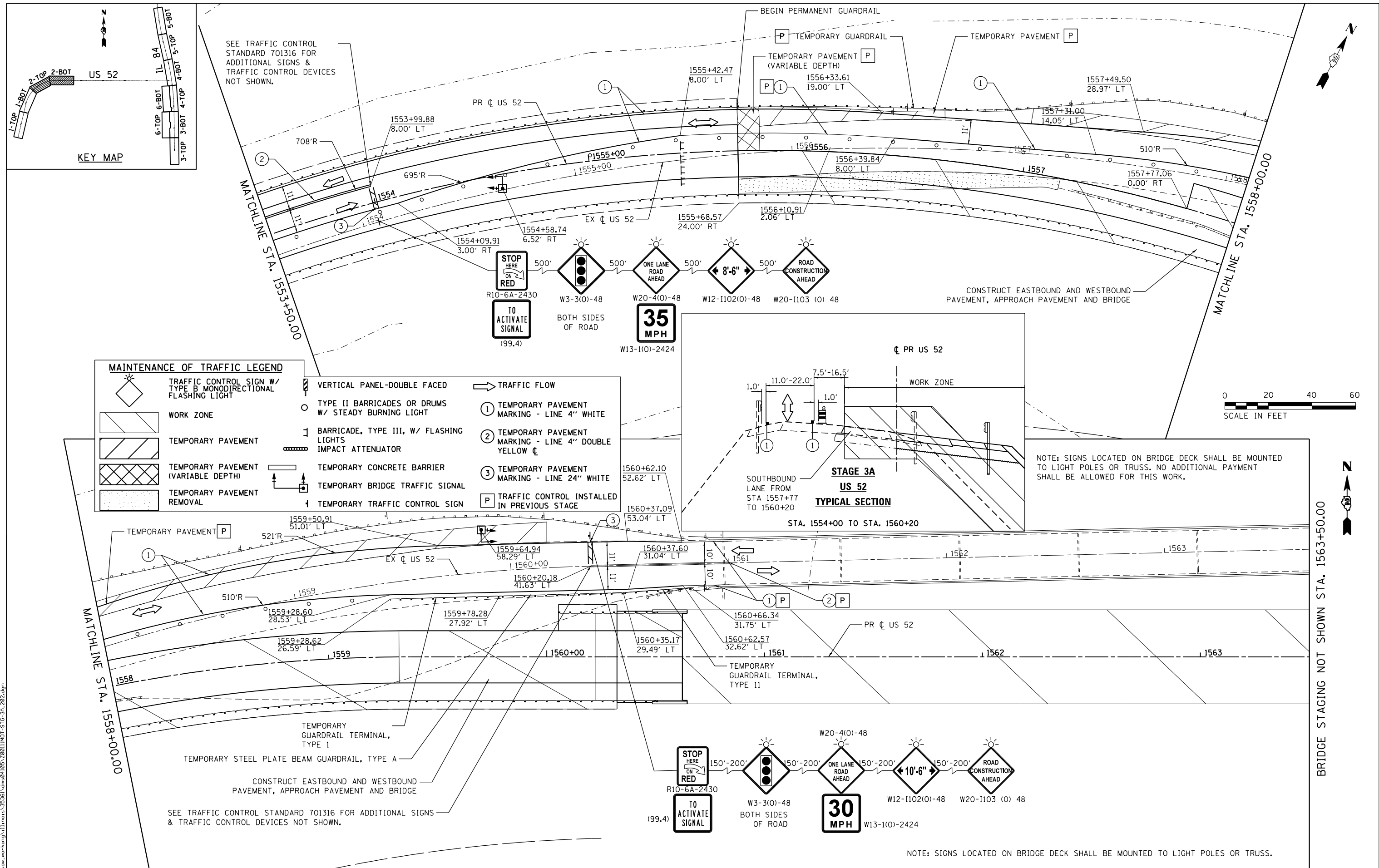
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DRAWN - RB	REVISED -	
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PLOT DATE = 3/20/2015	DATE - 03-12-2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
STAGE 3A**

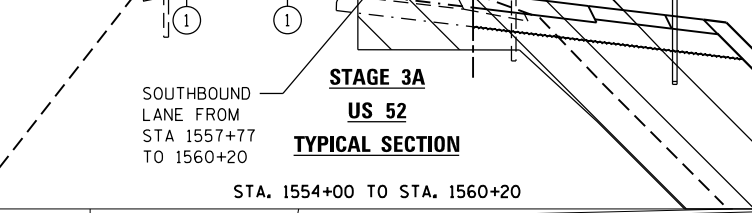
SCALE: 1"=20'    SHEET 1 OF 5 SHEETS    STA. 1542+00 TO STA. 1553+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	104
CONTRACT NO. 64G59				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				



**MAINTENANCE OF TRAFFIC LEGEND**

	TRAFFIC CONTROL SIGN W/ TYPE B MONODIRECTIONAL FLASHING LIGHT		VERTICAL PANEL-DOUBLE FACED		TRAFFIC FLOW
	WORK ZONE		TYPE II BARRICADES OR DRUMS W/ STEADY BURNING LIGHT		1 TEMPORARY PAVEMENT MARKING - LINE 4" WHITE
	TEMPORARY PAVEMENT		BARRICADE, TYPE III, W/ FLASHING LIGHTS		2 TEMPORARY PAVEMENT MARKING - LINE 4" DOUBLE YELLOW CENTER
	TEMPORARY PAVEMENT (VARIABLE DEPTH)		IMPACT ATTENUATOR		3 TEMPORARY PAVEMENT MARKING - LINE 24" WHITE
	TEMPORARY PAVEMENT REMOVAL		TEMPORARY CONCRETE BARRIER		P TRAFFIC CONTROL INSTALLED IN PREVIOUS STAGE
			TEMPORARY BRIDGE TRAFFIC SIGNAL		
			TEMPORARY TRAFFIC CONTROL SIGN		



NOTE: SIGNS LOCATED ON BRIDGE DECK SHALL BE MOUNTED TO LIGHT POLES OR TRUSS. NO ADDITIONAL PAYMENT SHALL BE ALLOWED FOR THIS WORK.



USER NAME = 35361	DESIGNED - RB	REVISED -
DRAWN - RB	REVISIONS -	
PLOT SCALE = 48.0000' / in.	CHECKED - JC	REVISIONS -
PLOT DATE = 3/20/2015	DATE - 03-12-2015	REVISIONS -

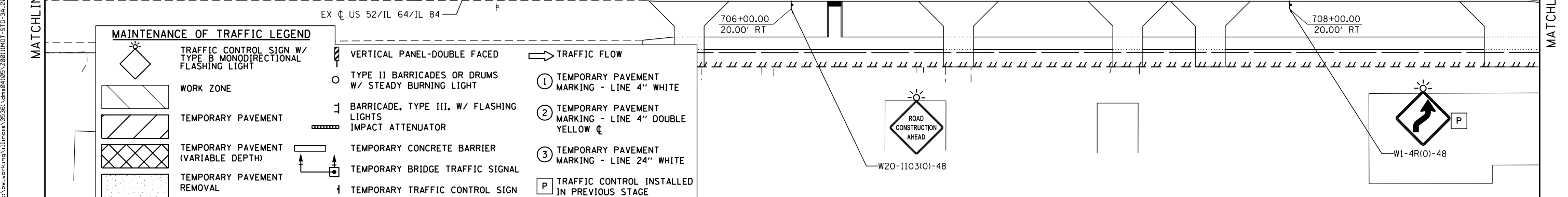
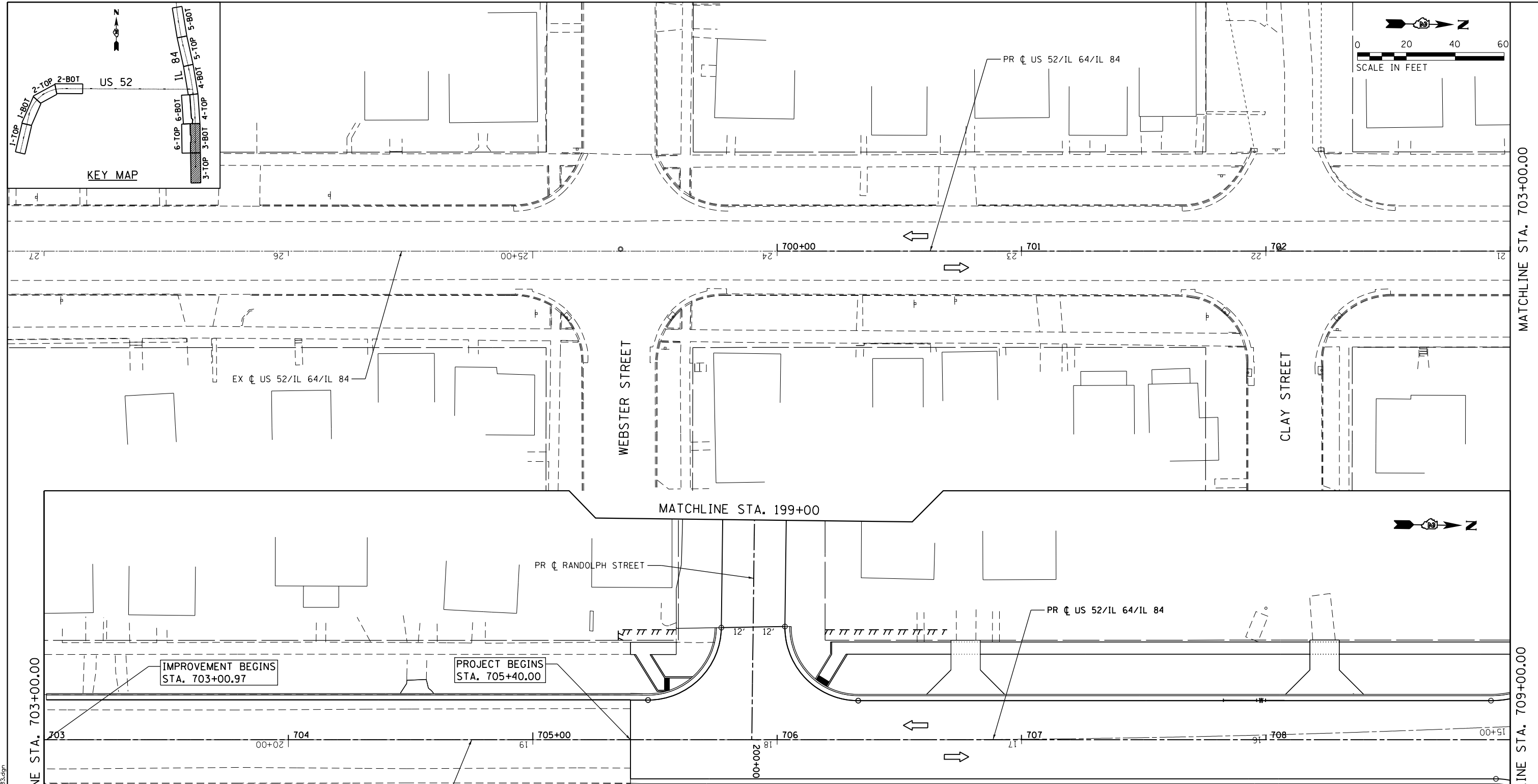
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC  
STAGE 3A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

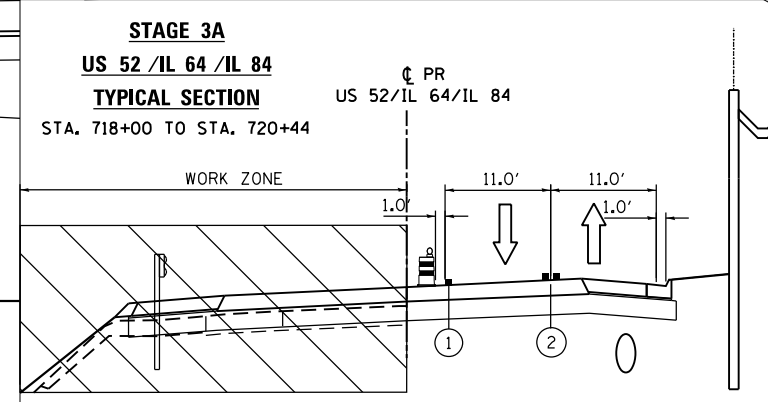
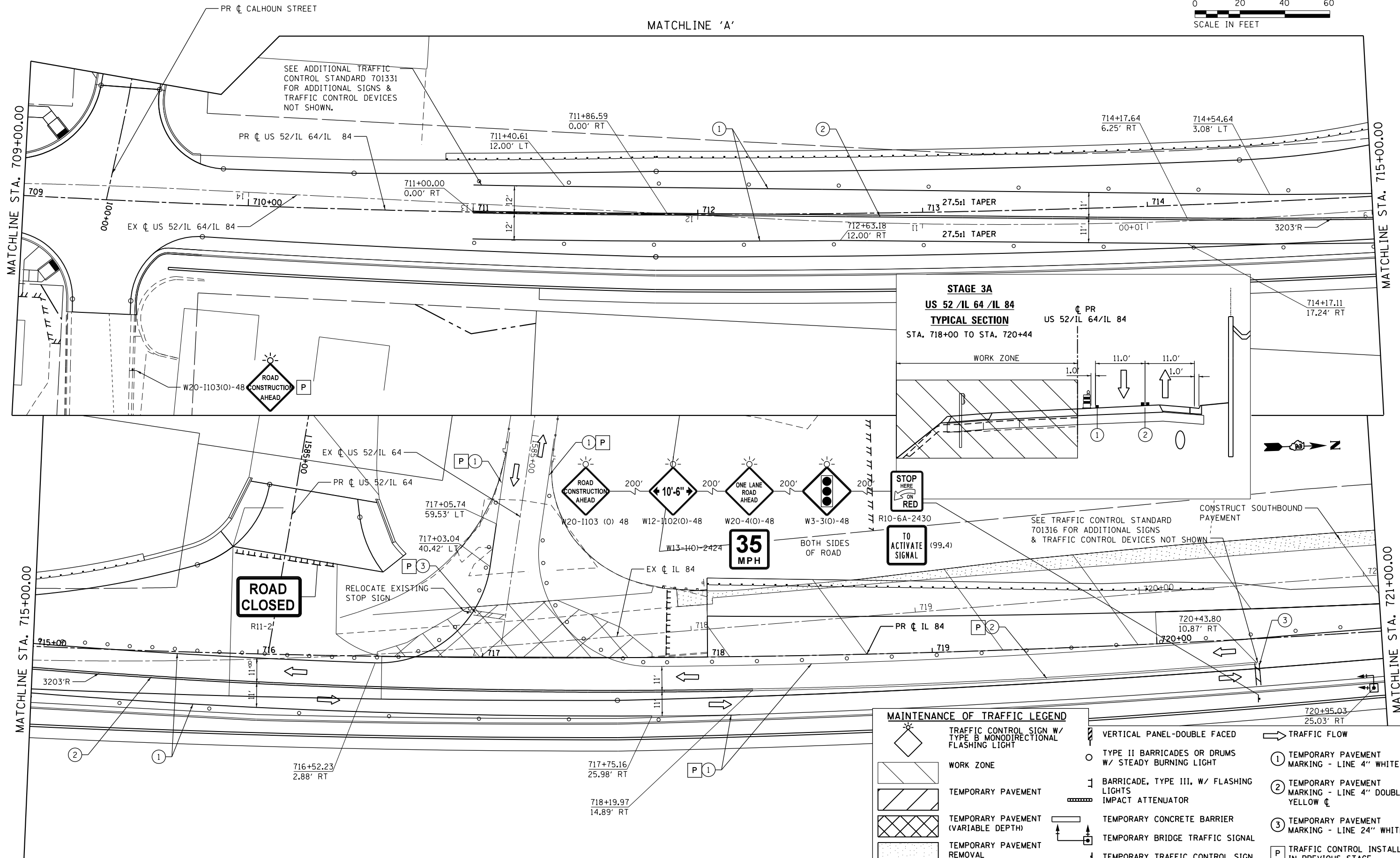
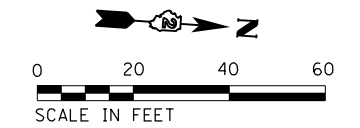
SCALE: 1"=20' SHEET 2 OF 5 SHEETS STA. 1553+50 TO STA. 1563+50

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FILE NAME = c:\p\work\king\illinois\35361\dm04105\20011101-510-3a-203.dgn	USER NAME = 35361	DESIGNED - RB	REvised -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC</b> <b>STAGE 3A</b>			F.A.P. RTE. 17	SECTION 104B-2	COUNTY CARROLL/JACKSON	TOTAL SHEETS 528	SHEET NO. 106	
	PLOT SCALE = 48.0000' / in.	CHECKED - JC	REvised -		SCALE: 1"=20'	SHEET 3	OF 5 SHEETS	STA. 700+00	TO STA. 709+00	CONTRACT NO. 64G59			
	PLOT DATE = 3/20/2015	DATE - 03-12-2015	REvised -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

NOTE: SEE ADJACENT SHEET FOR KEY MAP.



MAINTENANCE OF TRAFFIC LEGEND			
	TRAFFIC CONTROL SIGN W/ TYPE B MONODIRECTIONAL FLASHING LIGHT		VERTICAL PANEL-DOUBLE FACED
	WORK ZONE		TYPE II BARRICADES OR DRUMS W/ STEADY BURNING LIGHT
	TEMPORARY PAVEMENT		BARRICADE, TYPE III, W/ FLASHING LIGHTS IMPACT ATTENUATOR
	TEMPORARY PAVEMENT (VARIABLE DEPTH)		TEMPORARY CONCRETE BARRIER
	TEMPORARY PAVEMENT REMOVAL		TEMPORARY BRIDGE TRAFFIC SIGNAL
	TEMPORARY TRAFFIC CONTROL SIGN		TRAFFIC FLOW
			① TEMPORARY PAVEMENT MARKING - LINE 4" WHITE
			② TEMPORARY PAVEMENT MARKING - LINE 4" DOUBLE YELLOW C
			③ TEMPORARY PAVEMENT MARKING - LINE 24" WHITE
			P TRAFFIC CONTROL INSTALLED IN PREVIOUS STAGE

USER NAME = 35361	DESIGNED - RB	REVISED -
DRAWN - RB	CHECKED - JC	REVISED -
PLLOT SCALE = 48.0000' / in.	DATE - 03-12-2015	REVISED -
PLLOT DATE = 3/20/2015		

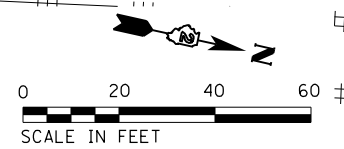
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
STAGE 3A**

SCALE: 1"=20'    SHEET 4 OF 5 SHEETS    STA. 709+00 TO STA. 721+00

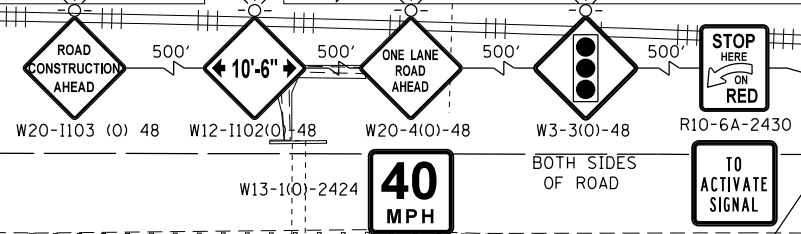
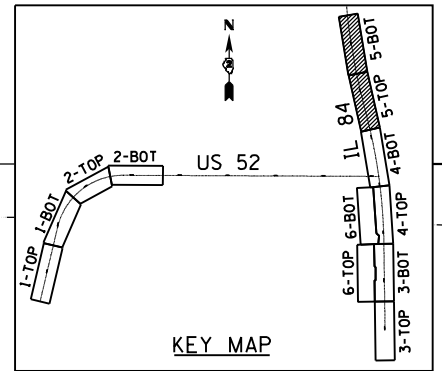
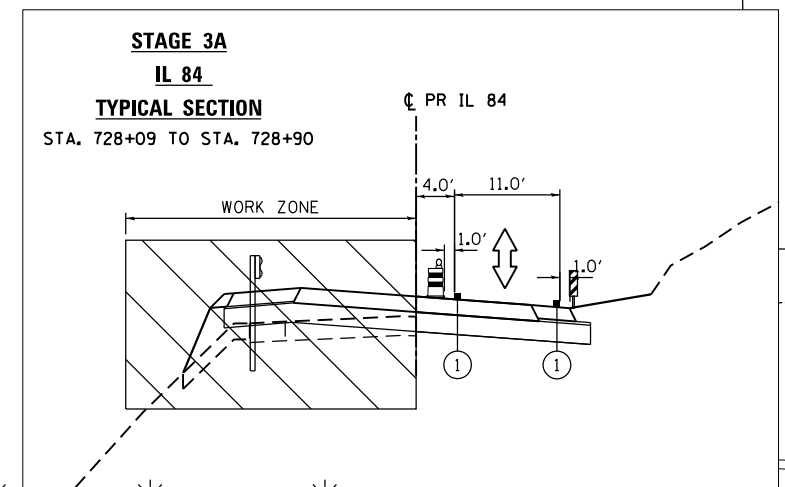
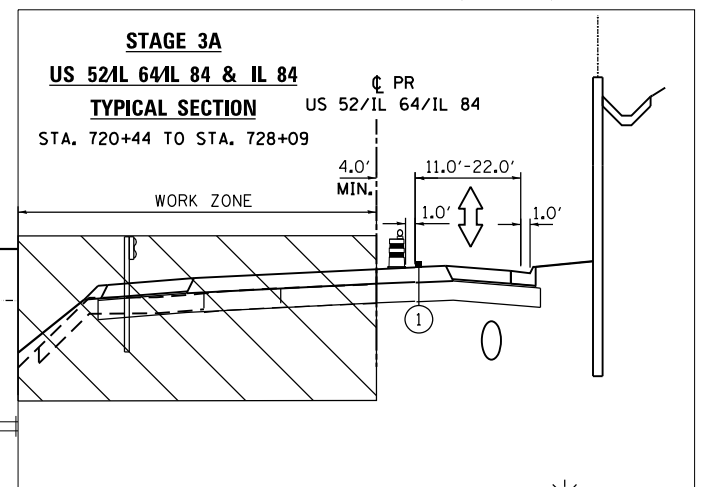
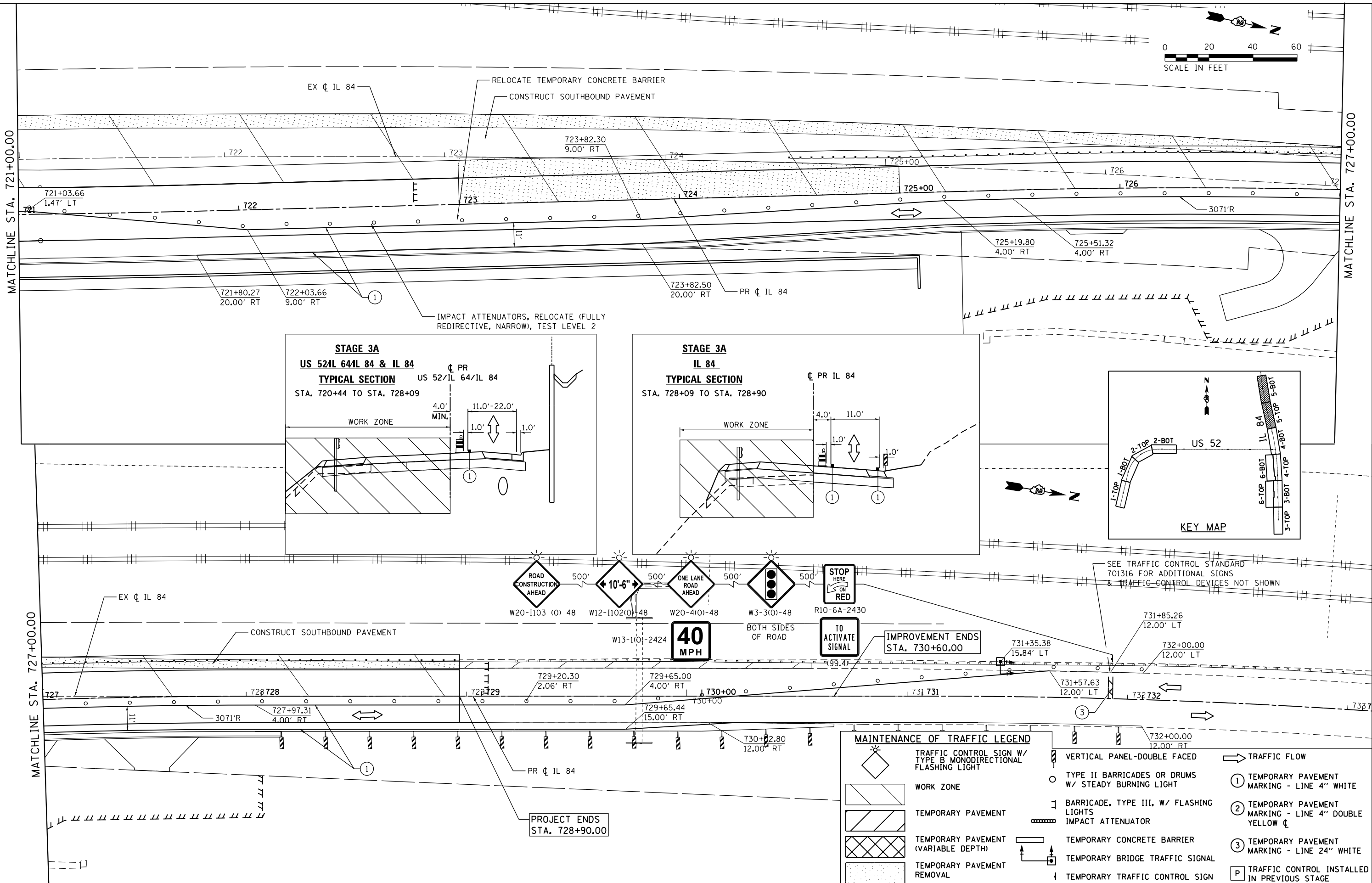
F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	107
CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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MATCHLINE STA. 721+00.00

MATCHLINE STA. 727+00.00



SEE TRAFFIC CONTROL STANDARD 701316 FOR ADDITIONAL SIGNS & TRAFFIC CONTROL DEVICES NOT SHOWN

MAINTENANCE OF TRAFFIC LEGEND		TRAFFIC FLOW	
	TRAFFIC CONTROL SIGN W/ TYPE B MONODIRECTIONAL FLASHING LIGHT		VERTICAL PANEL-DOUBLE FACED
	WORK ZONE		TYPE II BARRICADES OR DRUMS W/ STEADY BURNING LIGHT
	TEMPORARY PAVEMENT		BARRICADE, TYPE III, W/ FLASHING LIGHTS IMPACT ATTENUATOR
	TEMPORARY PAVEMENT (VARIABLE DEPTH)		TEMPORARY CONCRETE BARRIER
	TEMPORARY PAVEMENT REMOVAL		TEMPORARY BRIDGE TRAFFIC SIGNAL
	TEMPORARY TRAFFIC CONTROL SIGN		TRAFFIC FLOW
	① TEMPORARY PAVEMENT MARKING - LINE 4" WHITE		② TEMPORARY PAVEMENT MARKING - LINE 4" DOUBLE YELLOW CL
	③ TEMPORARY PAVEMENT MARKING - LINE 24" WHITE		P TRAFFIC CONTROL INSTALLED IN PREVIOUS STAGE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

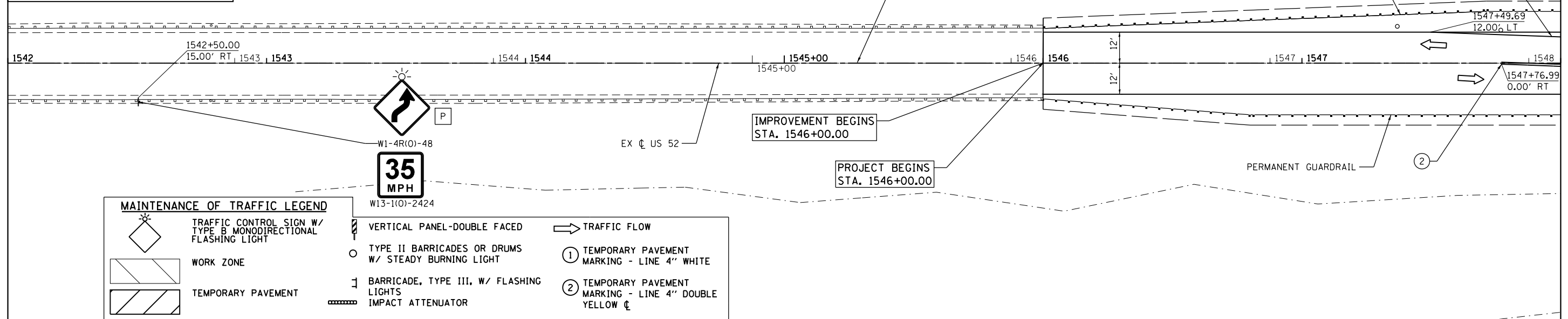
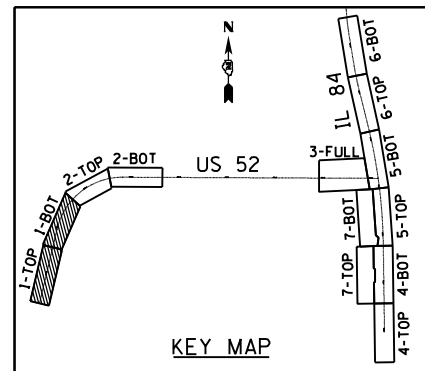
MAINTENANCE OF TRAFFIC  
STAGE 3A

USER NAME = 35361	DESIGNED - RB	REVISED -
DRAWN - RB	CHECKED - JC	DATE - 03-12-2015
PLOT SCALE = 48.0000' / in.		
PLOT DATE = 3/20/2015		

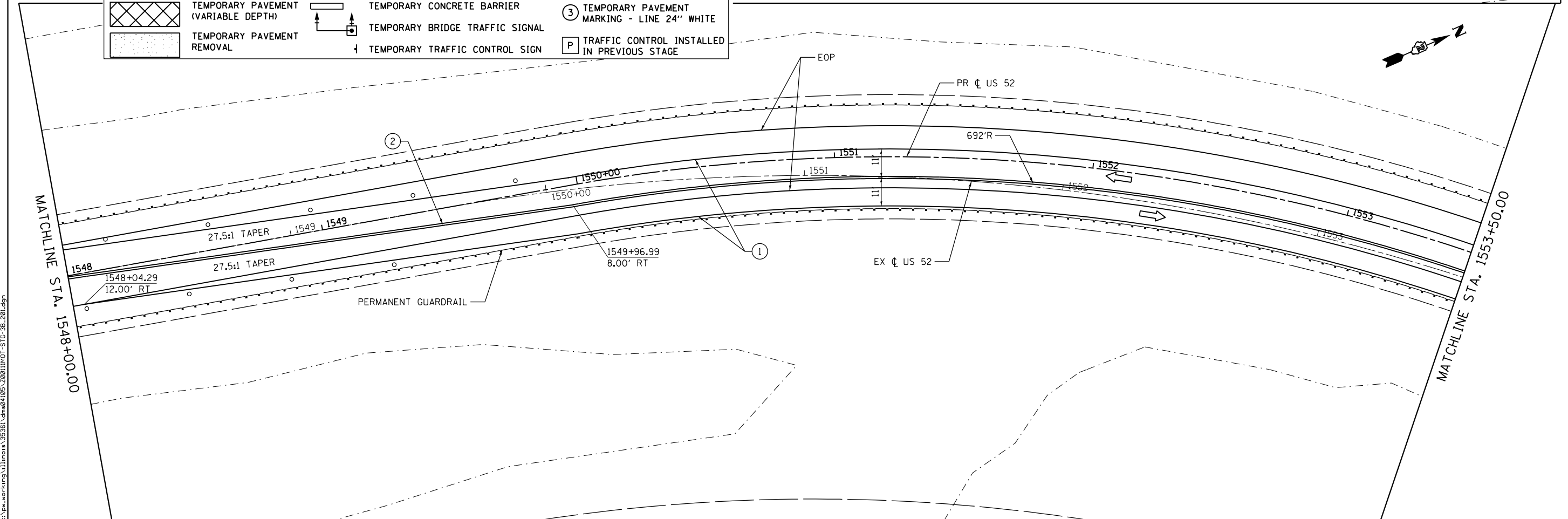
SCALE: 1"=20'	SHEET 5 OF 5 SHEETS	STA. 721+00 TO STA. 733+00
F.A.P. RTE. 17	SECTION 104B-2	COUNTY CARROLL/JACKSON
CONTRACT NO. 64G59		TOTAL SHEETS 108
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

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MAINTENANCE OF TRAFFIC LEGEND			
	TRAFFIC CONTROL SIGN W/ TYPE B MONODIRECTIONAL FLASHING LIGHT		TRAFFIC FLOW
	WORK ZONE		① TEMPORARY PAVEMENT MARKING - LINE 4" WHITE
	TEMPORARY PAVEMENT		② TEMPORARY PAVEMENT MARKING - LINE 4" DOUBLE YELLOW &
	TEMPORARY PAVEMENT (VARIABLE DEPTH)		③ TEMPORARY PAVEMENT MARKING - LINE 24" WHITE
	TEMPORARY PAVEMENT REMOVAL		P TRAFFIC CONTROL INSTALLED IN PREVIOUS STAGE
	VERTICAL PANEL-DOUBLE FACED		TYPE II BARRICADES OR DRUMS W/ STEADY BURNING LIGHT
	BARRICADE, TYPE III, W/ FLASHING LIGHTS		IMPACT ATTENUATOR
	TEMPORARY CONCRETE BARRIER		TEMPORARY BRIDGE TRAFFIC SIGNAL
	TEMPORARY TRAFFIC CONTROL SIGN		



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PLOT DATE = 3/20/2015		

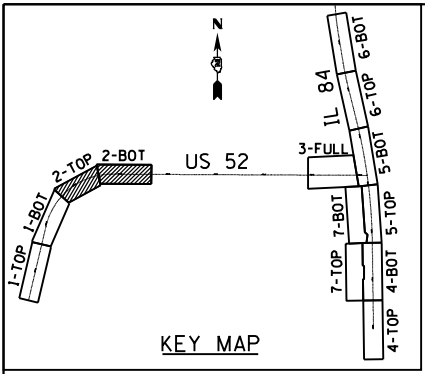
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
STAGE 3B**

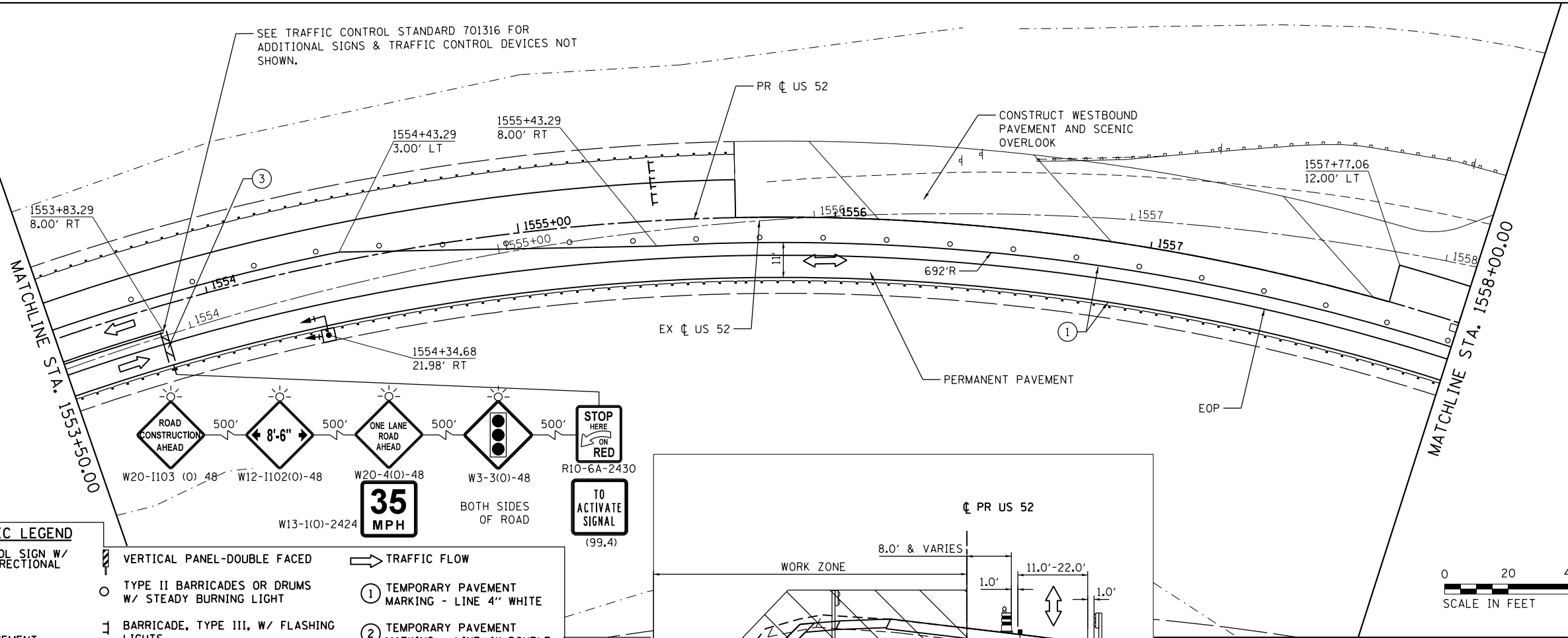
SCALE: 1"=20' SHEET 1 OF 7 SHEETS STA. 1542+00 TO STA. 1553+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	109
CONTRACT NO. 64G59				

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

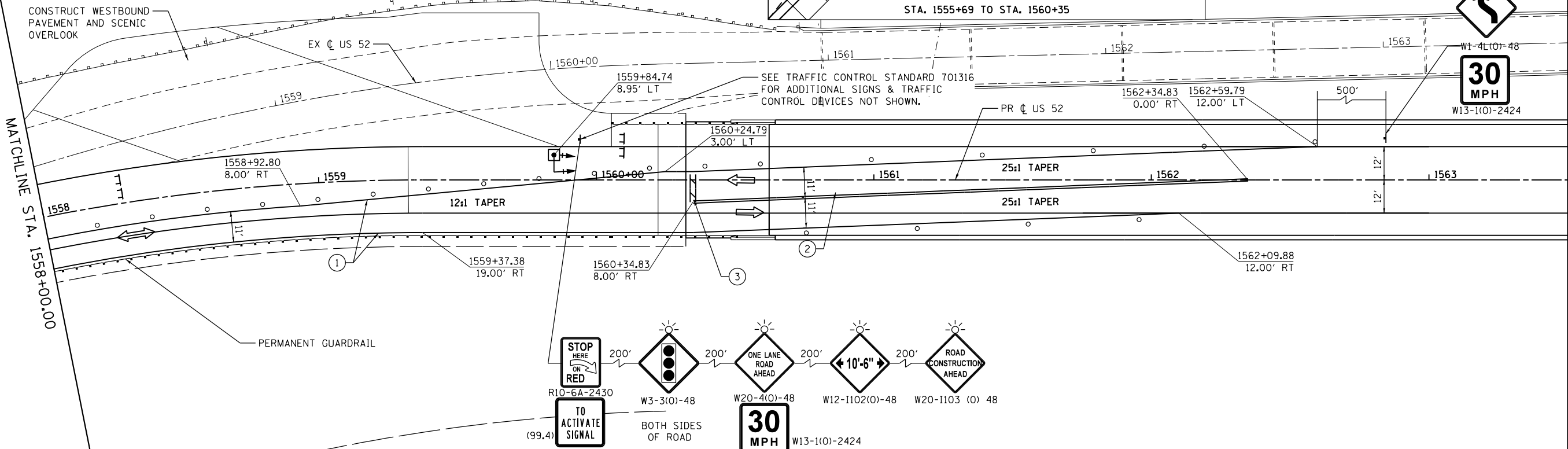
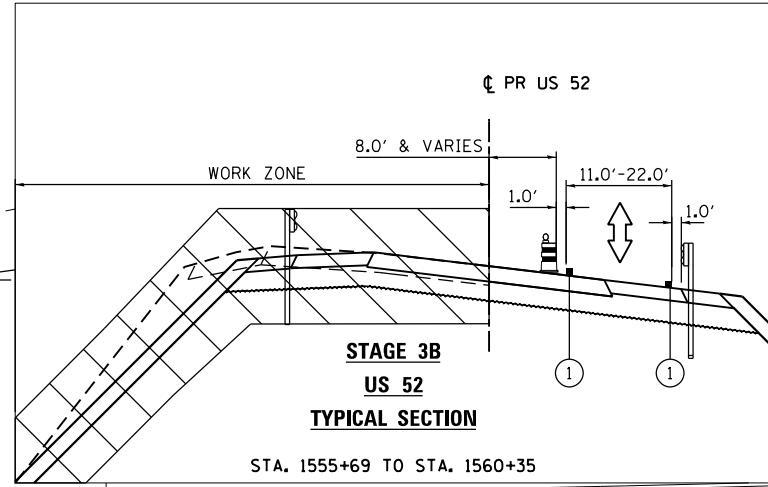


KEY MAP



**MAINTENANCE OF TRAFFIC LEGEND**

	TRAFFIC CONTROL SIGN W/ TYPE B MONODIRECTIONAL FLASHING LIGHT		VERTICAL PANEL-DOUBLE FACED		TRAFFIC FLOW
	WORK ZONE		TYPE II BARRICADES OR DRUMS W/ STEADY BURNING LIGHT		① TEMPORARY PAVEMENT MARKING - LINE 4" WHITE
	TEMPORARY PAVEMENT		BARRICADE, TYPE III, W/ FLASHING LIGHTS		② TEMPORARY PAVEMENT MARKING - LINE 4" DOUBLE YELLOW C
	TEMPORARY PAVEMENT (VARIABLE DEPTH)		IMPACT ATTENUATOR		③ TEMPORARY PAVEMENT MARKING - LINE 24" WHITE
	TEMPORARY PAVEMENT REMOVAL		TEMPORARY CONCRETE BARRIER		P TRAFFIC CONTROL INSTALLED IN PREVIOUS STAGE
	TEMPORARY BRIDGE TRAFFIC SIGNAL				
	TEMPORARY TRAFFIC CONTROL SIGN				



BRIDGE STAGING NOT SHOWN STA. 1563+50.00

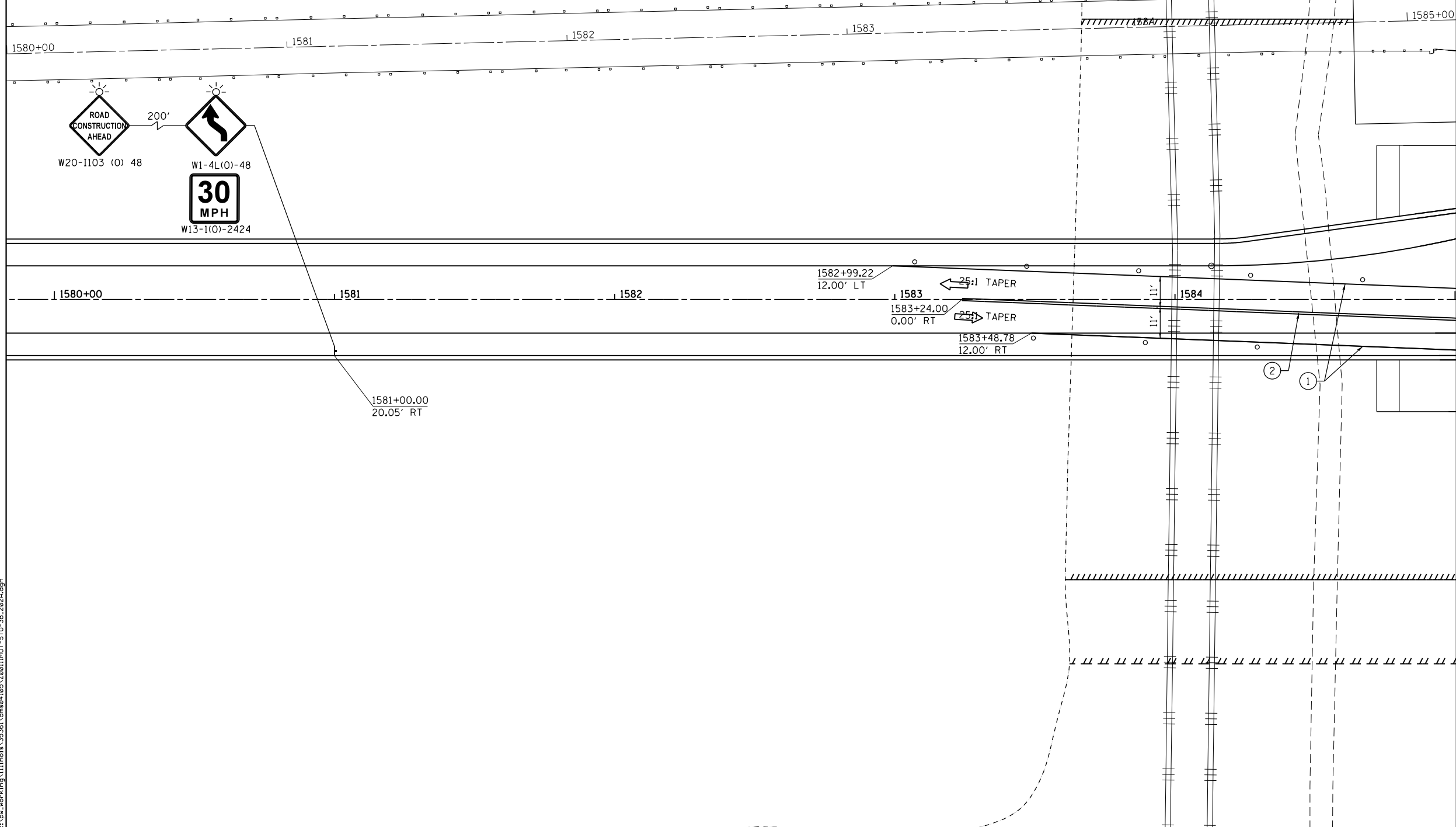
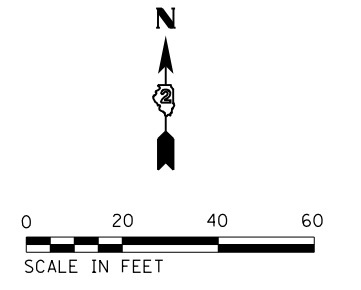
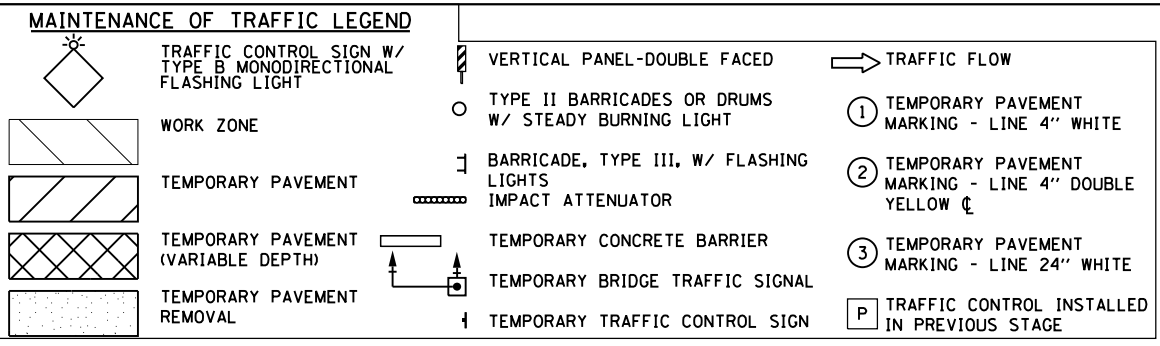
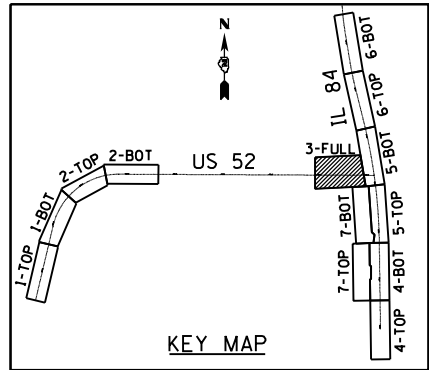
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DRAWN - RB	REVISIONS -	
CHECKED - JC	REVISIONS -	
DATE - 03-12-2015	REVISIONS -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
STAGE 3B**  
SCALE: 1"=20' SHEET 2 OF 7 SHEETS STA. 1553+50 TO STA. 1563+50

F.A.P. RTE. 17	SECTION 104B-2	COUNTY CARROLL/JACKSON	TOTAL SHEETS 528	SHEET NO. 110
CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FILE NAME = c:\pwworking\illinois\35361\dm04105\20011\DOT-STD-3B-2012.dgn



MATCHLINE STA. 1585+00.00

FILE NAME = c:\p\work\king\illinois\35361\dm\04105\20011\DOT-STG-3B-2020.dgn

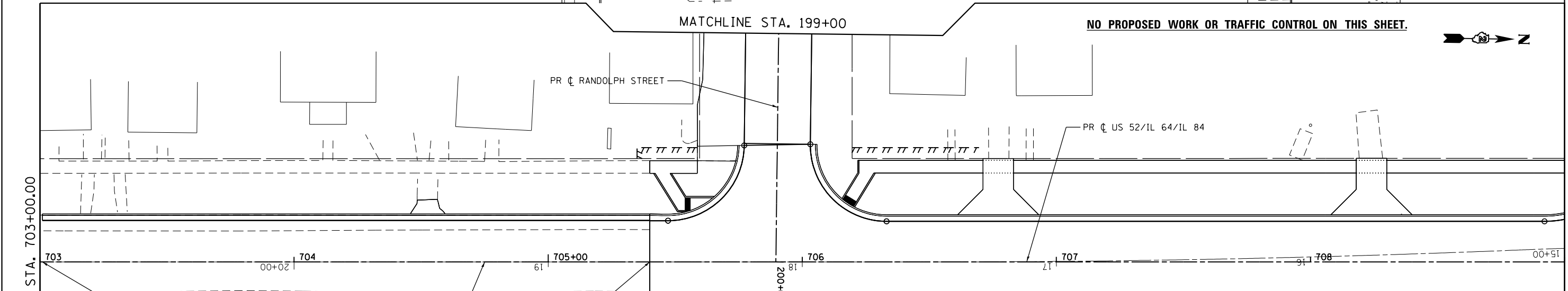
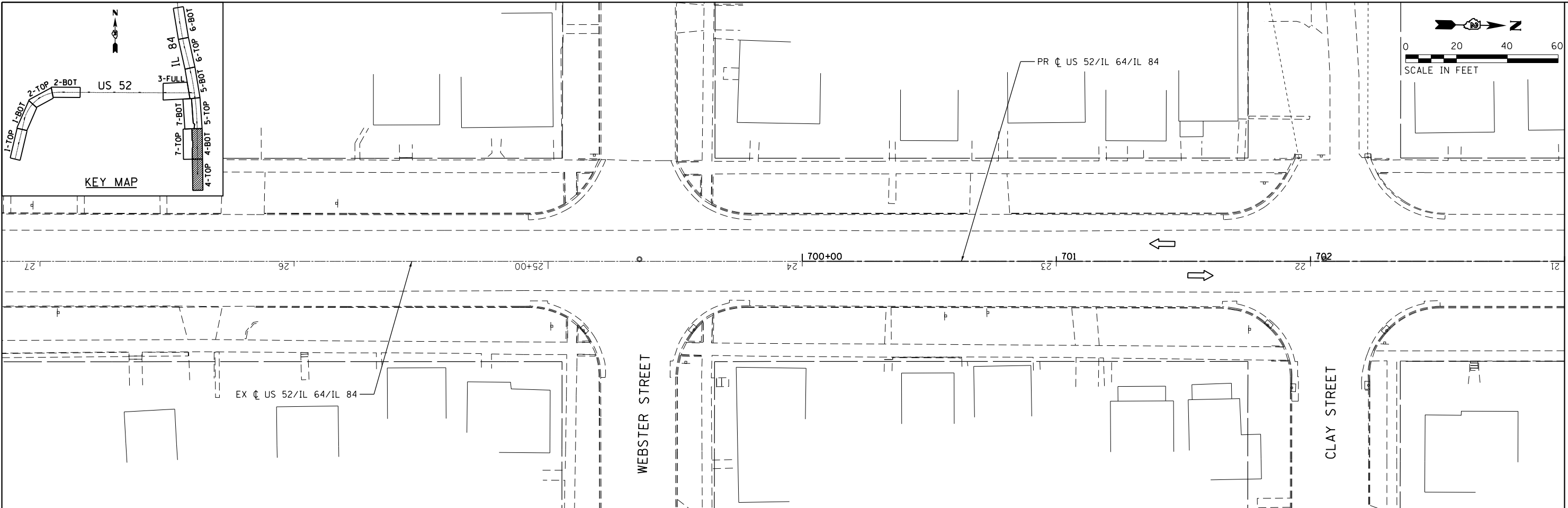
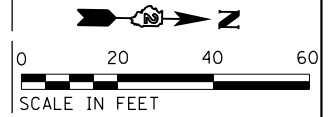
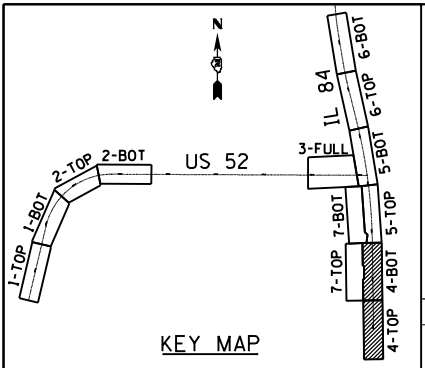
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DRAWN - RB	REVISIONS -	
PLOT SCALE = 40.0000' / in.	CHECKED - JC	REVISIONS -
PLOT DATE = 3/20/2015	DATE - 03-12-2015	REVISIONS -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
STAGE 3B**

SCALE: 1"=20' SHEET 3 OF 7 SHEETS STA. 1553+50 TO STA. 1563+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	111
CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



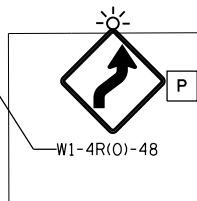
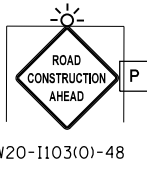
NO PROPOSED WORK OR TRAFFIC CONTROL ON THIS SHEET.

IMPROVEMENT BEGINS STA. 703+00.97

PROJECT BEGINS STA. 705+40.00

**MAINTENANCE OF TRAFFIC LEGEND**

- |  |   |  |   |  |  |
|--|---|--|---|--|--|
|  | TRAFFIC CONTROL SIGN W/ TYPE B MONODIRECTIONAL FLASHING LIGHT |  | VERTICAL PANEL-DOUBLE FACED                         |  | TRAFFIC FLOW   |
|  | WORK ZONE   |  | TYPE II BARRICADES OR DRUMS W/ STEADY BURNING LIGHT |  | ① TEMPORARY PAVEMENT MARKING - LINE 4" WHITE           |
|  | TEMPORARY PAVEMENT  |  | BARRICADE, TYPE III, W/ FLASHING LIGHTS             |  | ② TEMPORARY PAVEMENT MARKING - LINE 4" DOUBLE YELLOW C |
|  | TEMPORARY PAVEMENT (VARIABLE DEPTH)                           |  | IMPACT ATTENUATOR                                   |  | ③ TEMPORARY PAVEMENT MARKING - LINE 24" WHITE          |
|  | TEMPORARY PAVEMENT REMOVAL                                    |  | TEMPORARY CONCRETE BARRIER                          |  | P TRAFFIC CONTROL INSTALLED IN PREVIOUS STAGE          |
|  |   |  | TEMPORARY BRIDGE TRAFFIC SIGNAL                     |  |  |
|  |   |  | TEMPORARY TRAFFIC CONTROL SIGN                      |  |  |



FILE NAME = c:\pwworking\illinois\35361\dm04105\20011101-STD-3B-203.dgn

USER NAME = 35361	DESIGNED - RB	REVISED -
	DRAWN - RB	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED - JC	REVISED -
PLOT DATE = 3/20/2015	DATE - 03-12-2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
STAGE 3B**

SCALE: 1"=20' SHEET 4 OF 7 SHEETS STA. 700+00 TO STA. 709+00

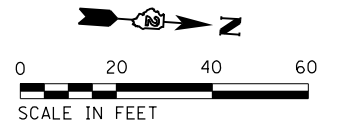
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	112
CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 703+00.00

MATCHLINE STA. 709+00.00

NOTE: SEE ADJACENT SHEET FOR KEY MAP.

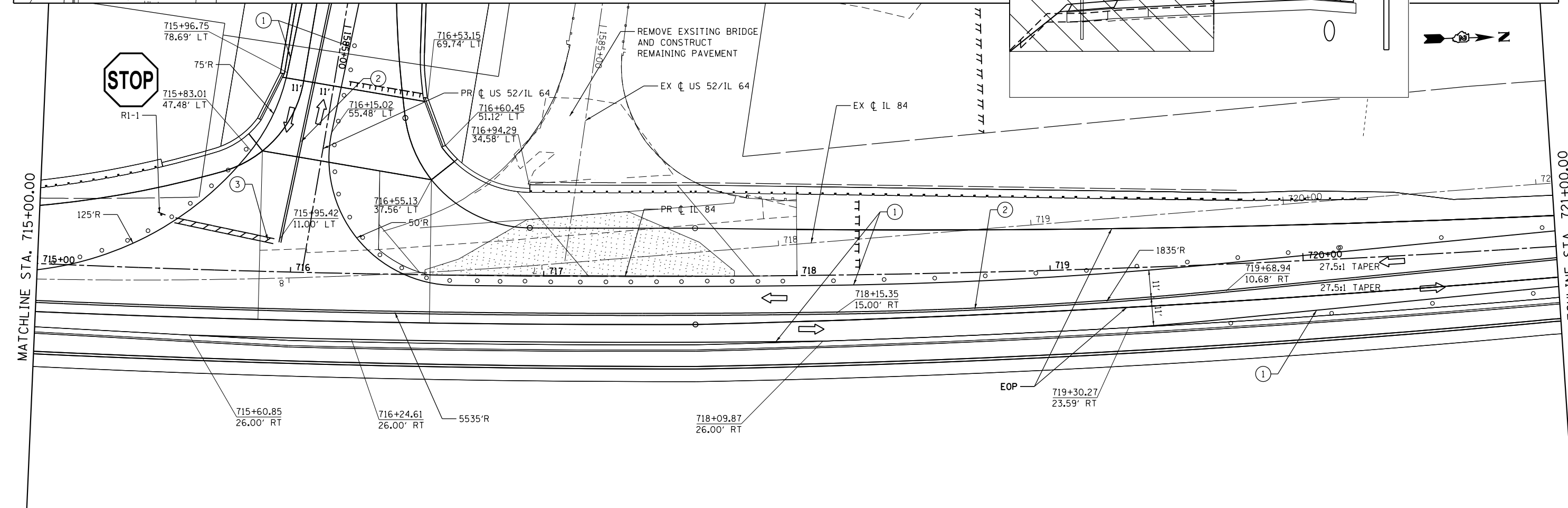
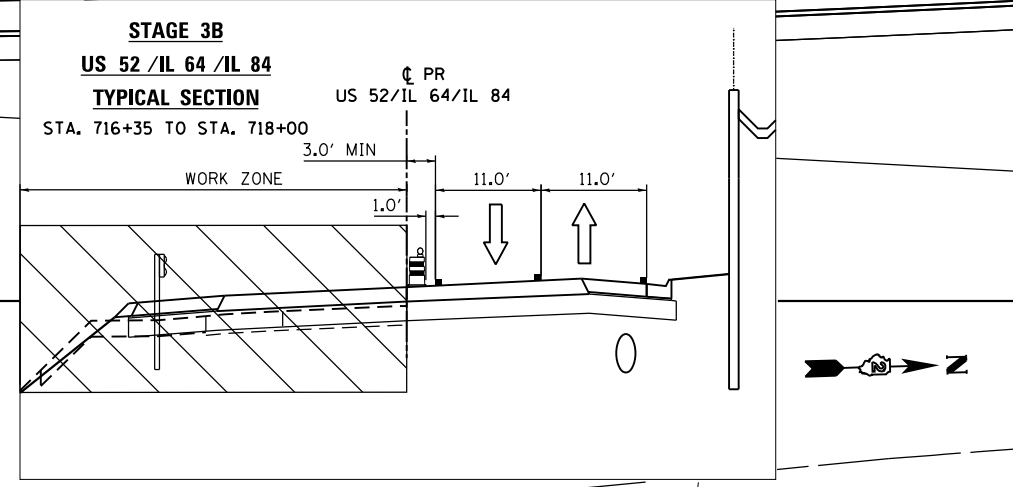
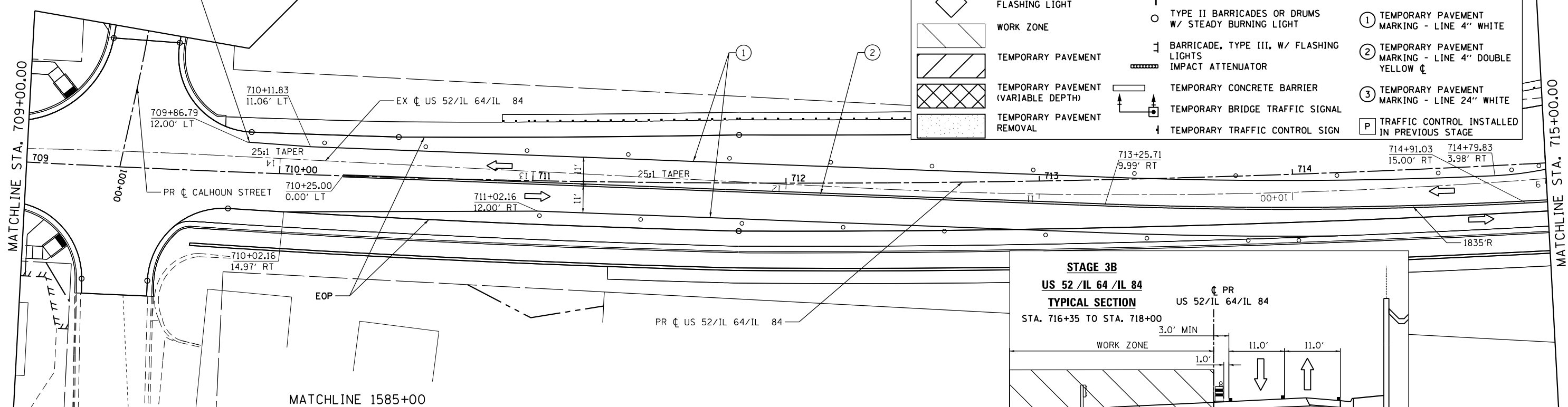
SEE TRAFFIC CONTROL STANDARD 701331 FOR ADDITIONAL SIGNS & TRAFFIC CONTROL DEVICES NOT SHOWN.



MATCHLINE 'A'

**MAINTENANCE OF TRAFFIC LEGEND**

	TRAFFIC CONTROL SIGN W/ TYPE B MONODIRECTIONAL FLASHING LIGHT		VERTICAL PANEL-DOUBLE FACED		TRAFFIC FLOW
	WORK ZONE		TYPE II BARRICADES OR DRUMS W/ STEADY BURNING LIGHT		① TEMPORARY PAVEMENT MARKING - LINE 4" WHITE
	TEMPORARY PAVEMENT		BARRICADE, TYPE III, W/ FLASHING LIGHTS		② TEMPORARY PAVEMENT MARKING - LINE 4" DOUBLE YELLOW C
	TEMPORARY PAVEMENT (VARIABLE DEPTH)		IMPACT ATTENUATOR		③ TEMPORARY PAVEMENT MARKING - LINE 24" WHITE
	TEMPORARY PAVEMENT REMOVAL		TEMPORARY CONCRETE BARRIER		P TRAFFIC CONTROL INSTALLED IN PREVIOUS STAGE
			TEMPORARY BRIDGE TRAFFIC SIGNAL		
			TEMPORARY TRAFFIC CONTROL SIGN		



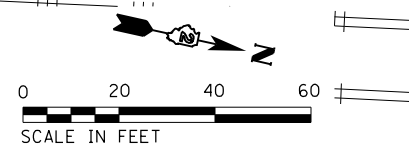
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	DRAWN - RB	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED - JC	REVISED -
PLOT DATE = 3/20/2015	DATE - 03-12-2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

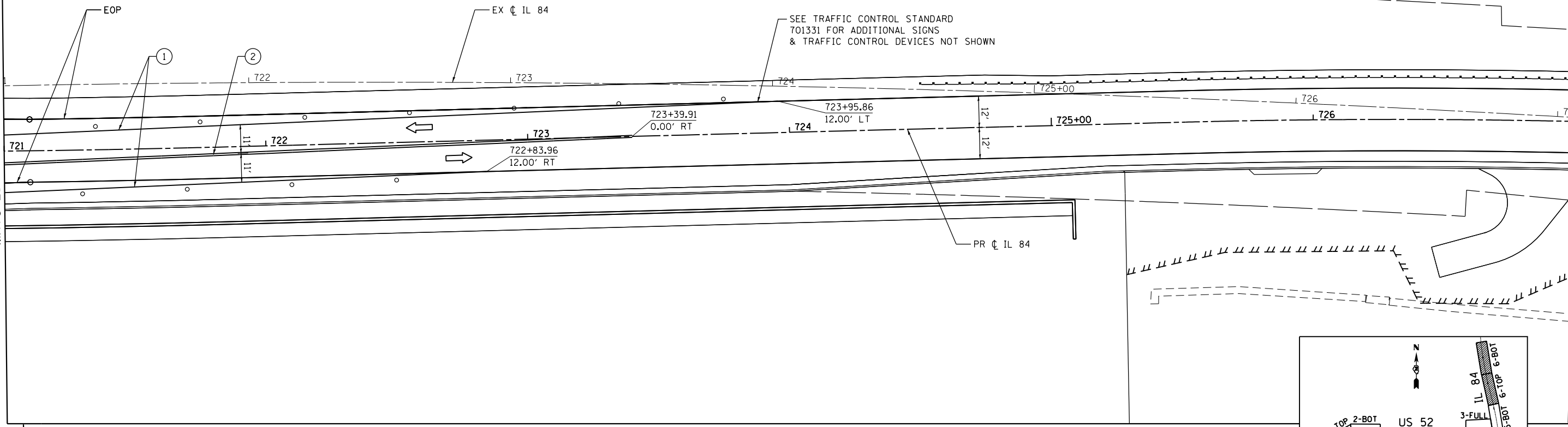
**MAINTENANCE OF TRAFFIC  
STAGE 3B**  
SCALE: 1"=20' SHEET 5 OF 7 SHEETS STA. 709+00 TO STA. 721+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	113
CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



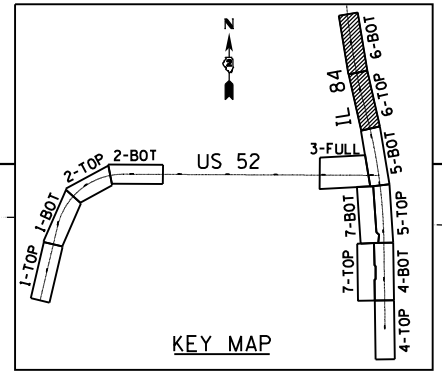
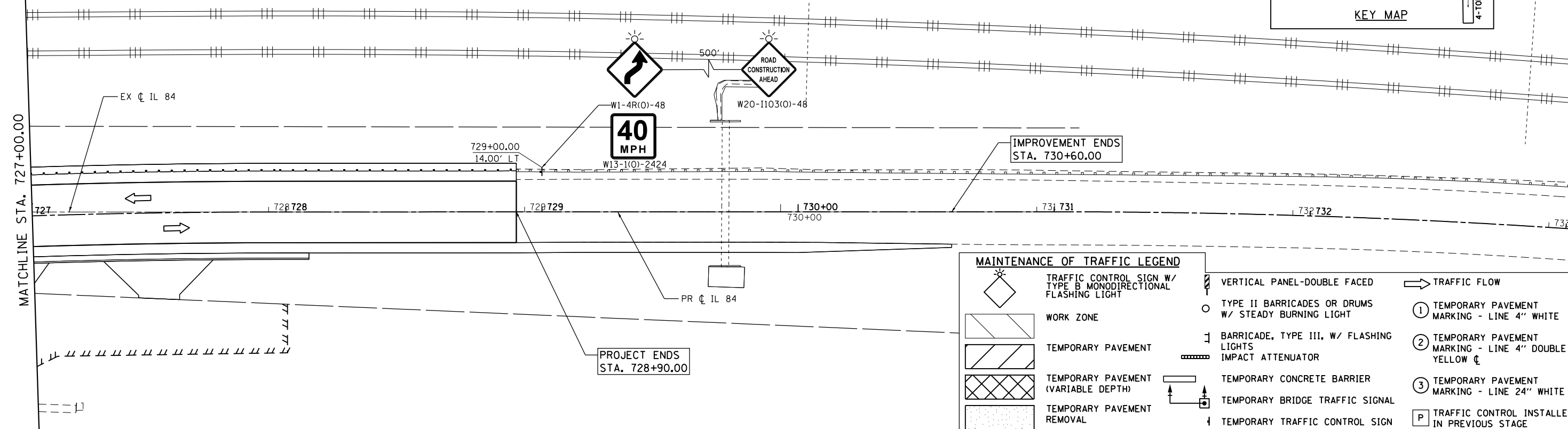
MATCHLINE STA. 721+00.00

MATCHLINE STA. 727+00.00



MATCHLINE STA. 727+00.00

738.7



MAINTENANCE OF TRAFFIC LEGEND			
	TRAFFIC CONTROL SIGN W/ TYPE B MONODIRECTIONAL FLASHING LIGHT		VERTICAL PANEL-DOUBLE FACED
	WORK ZONE		TYPE II BARRICADES OR DRUMS W/ STEADY BURNING LIGHT
	TEMPORARY PAVEMENT		BARRICADE, TYPE III, W/ FLASHING LIGHTS
	TEMPORARY PAVEMENT (VARIABLE DEPTH)		IMPACT ATTENUATOR
	TEMPORARY PAVEMENT REMOVAL		TEMPORARY CONCRETE BARRIER
			TEMPORARY BRIDGE TRAFFIC SIGNAL
			TEMPORARY TRAFFIC CONTROL SIGN
			TRAFFIC FLOW
			① TEMPORARY PAVEMENT MARKING - LINE 4" WHITE
			② TEMPORARY PAVEMENT MARKING - LINE 4" DOUBLE YELLOW CL
			③ TEMPORARY PAVEMENT MARKING - LINE 24" WHITE
			P TRAFFIC CONTROL INSTALLED IN PREVIOUS STAGE

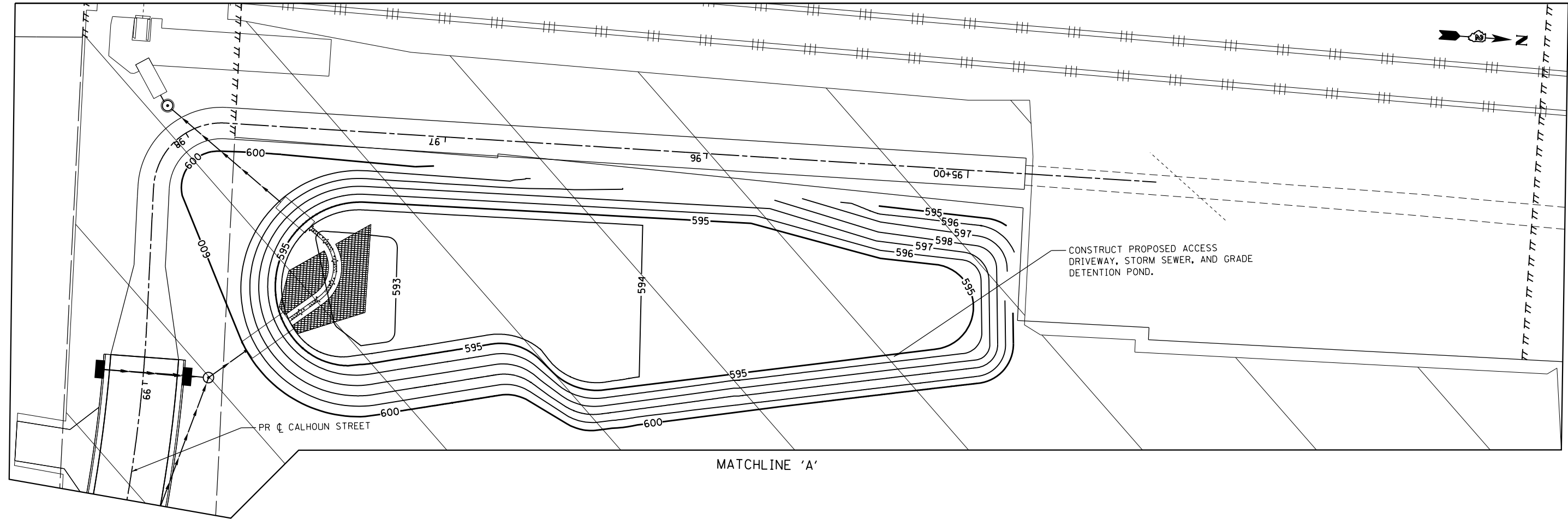
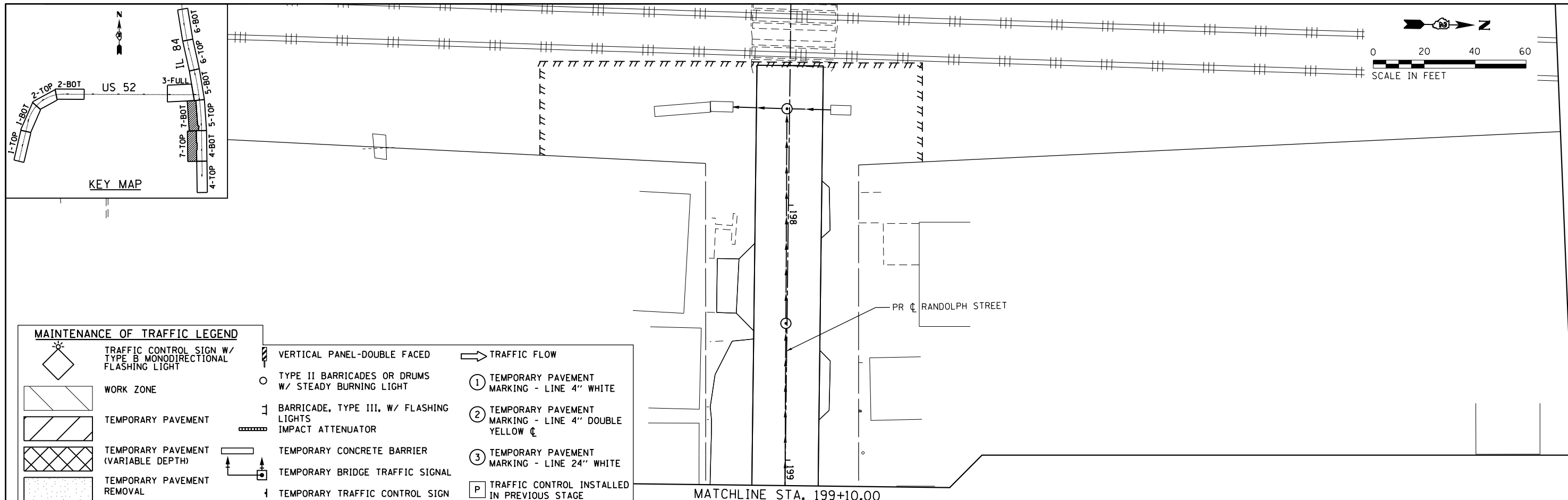
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USER NAME = 35361	DESIGNED - RB	REVISED -
DRAWN - RB	CHECKED - JC	REVISED -
PLOT SCALE = 48.0000' / in.	DATE - 03-12-2015	REVISED -
PLOT DATE = 3/20/2015		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MAINTENANCE OF TRAFFIC STAGE 3B</b>	
SCALE: 1"=20'	SHEET 6 OF 7 SHEETS
STA. 721+00	TO STA. 733+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	114
CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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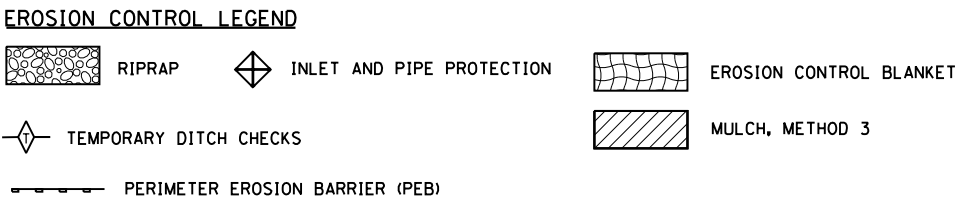
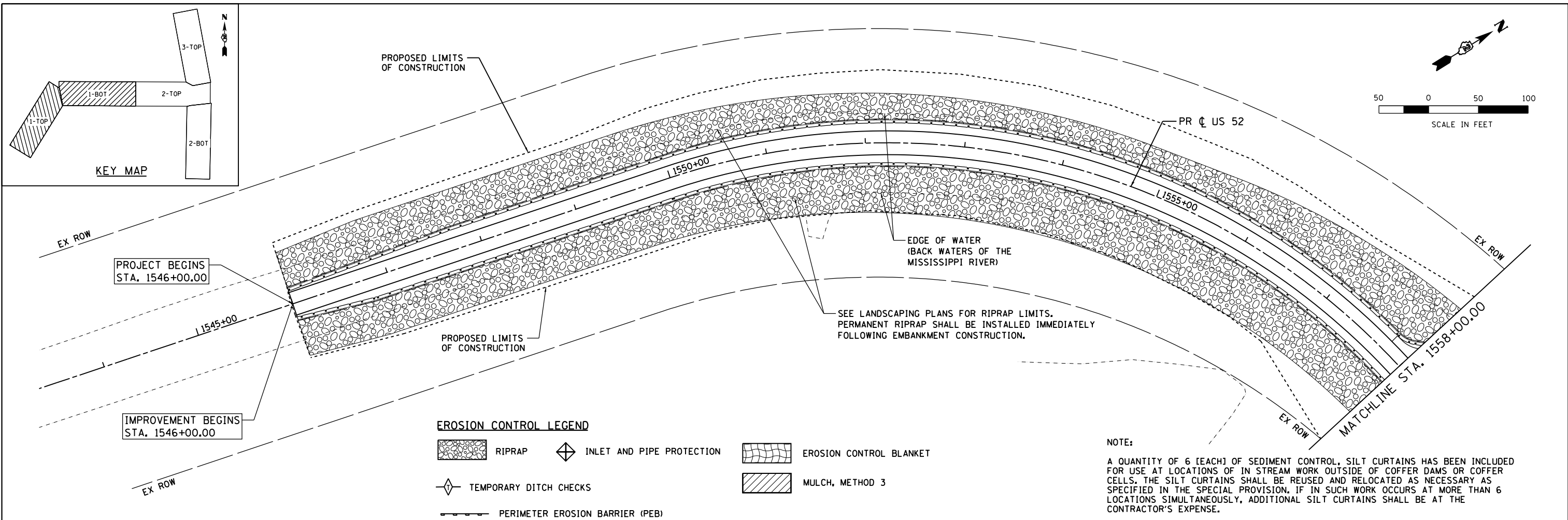
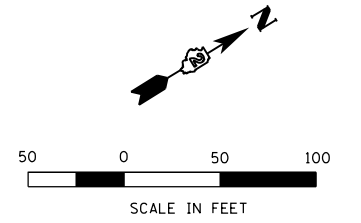
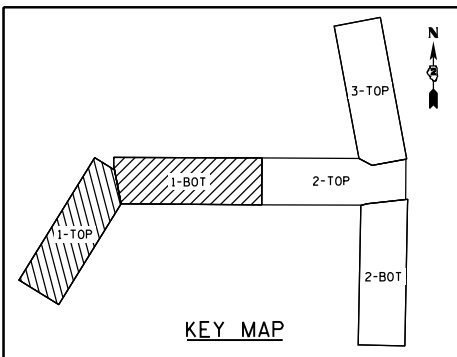
USER NAME = 35361	DESIGNED - RB	REVISED -
DRAWN - RB	REVISOR -	
PLOT SCALE = 48.0000' / in.	CHECKED - JC	REVISOR -
PLOT DATE = 3/20/2015	DATE - 03-12-2015	REVISOR -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

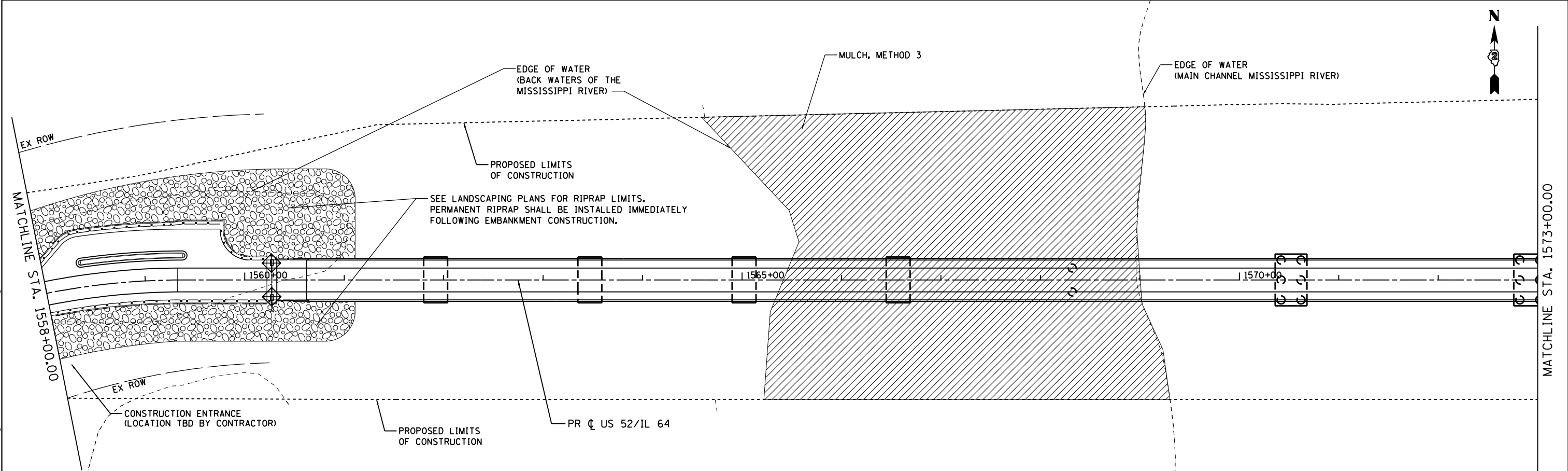
**MAINTENANCE OF TRAFFIC  
STAGE 3B**

SCALE: 1"=20' SHEET 7 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	115
CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



**NOTE:**  
 A QUANTITY OF 6 (EACH) OF SEDIMENT CONTROL, SILT CURTAINS HAS BEEN INCLUDED FOR USE AT LOCATIONS OF IN STREAM WORK OUTSIDE OF COFFER DAMS OR COFFER CELLS. THE SILT CURTAINS SHALL BE REUSED AND RELOCATED AS NECESSARY AS SPECIFIED IN THE SPECIAL PROVISION. IF IN SUCH WORK OCCURS AT MORE THAN 6 LOCATIONS SIMULTANEOUSLY, ADDITIONAL SILT CURTAINS SHALL BE AT THE CONTRACTOR'S EXPENSE.



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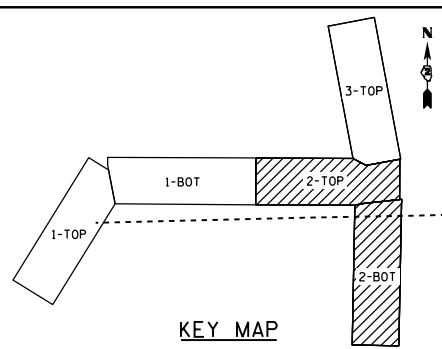
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PLOT DATE = 3/20/2015	DATE - 03-12-2015	REVISIONS -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

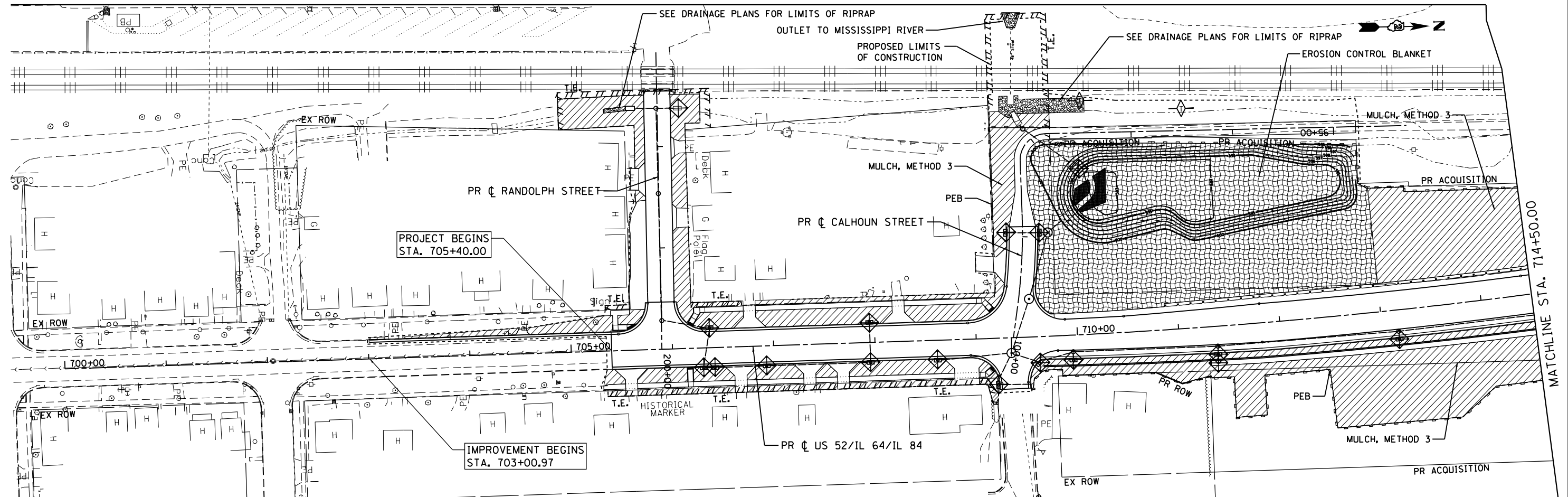
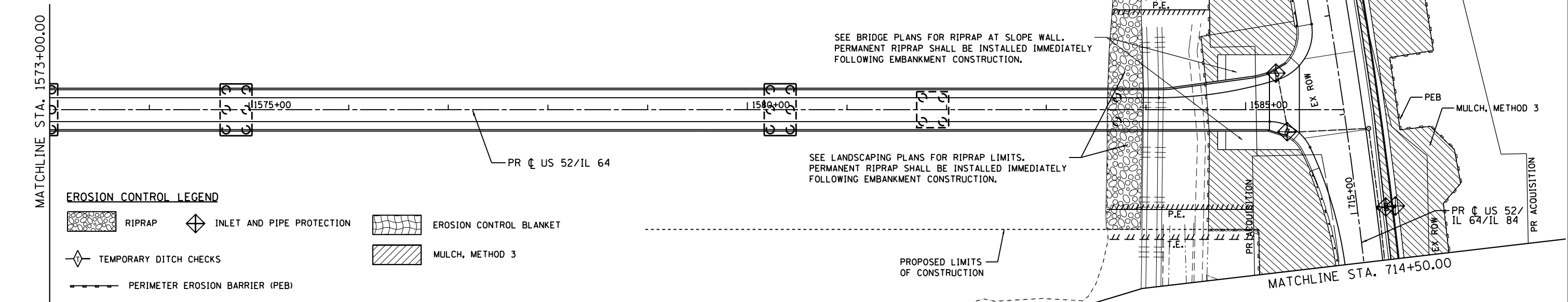
**EROSION AND SEDIMENT CONTROL PLAN  
 US 52 /IL 64**  
 SCALE: 1" = 50' SHEET 1 OF 3 SHEETS STA. 1544+00 TO STA. 1573+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	116
CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				





**NOTE:**  
 A QUANTITY OF 6 [EACH] OF SEDIMENT CONTROL, SILT CURTAINS HAS BEEN INCLUDED FOR USE AT LOCATIONS OF IN STREAM WORK OUTSIDE OF COFFER DAMS OR COFFER CELLS. THE SILT CURTAINS SHALL BE REUSED AND RELOCATED AS NECESSARY AS SPECIFIED IN THE SPECIAL PROVISION, IF IN SUCH WORK OCCURS AT MORE THAN 6 LOCATIONS SIMULTANEOUSLY, ADDITIONAL SILT CURTAINS SHALL BE AT THE CONTRACTOR'S EXPENSE.



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USER NAME = 35361	DESIGNED - FZ	REVISED -
DRAWN - FZ	REVISED -	
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PLOT DATE = 3/20/2015	DATE - 03-12-2015	REVISED -

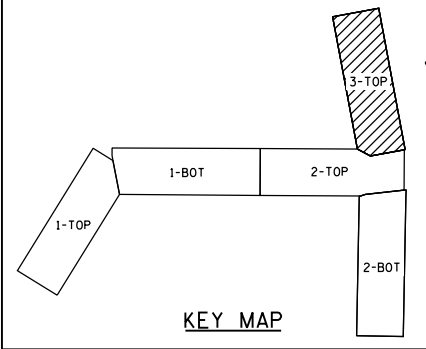
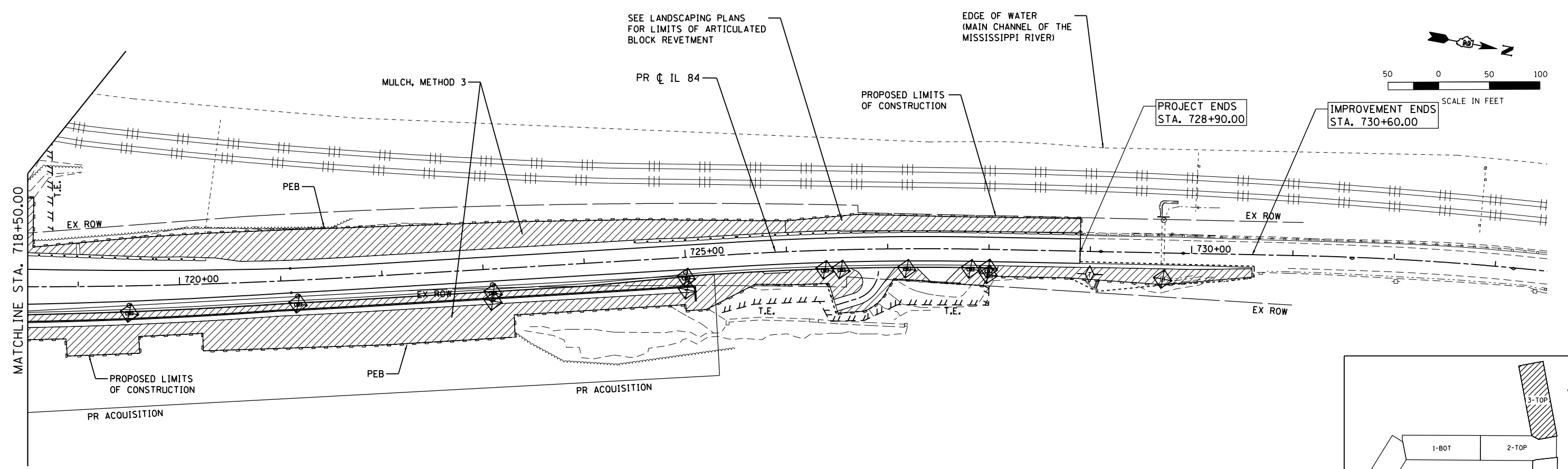
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN  
 US 52 / IL 64 AND IL 84**

SCALE: 1" = 50' SHEET 2 OF 3 SHEETS STA. 705+00 TO STA. 718+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	117
CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FILE NAME = c:\p\work\king\illinois\35361\dm\04105\20011ER\_203.dgn



**EROSION CONTROL LEGEND**

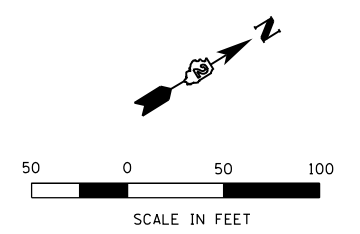
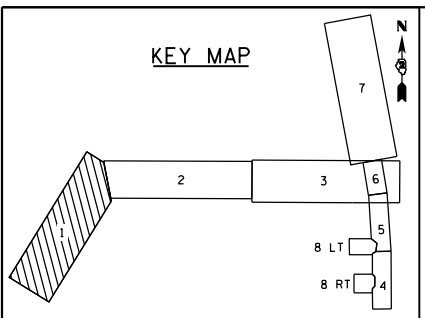
- RIPRAP
- INLET AND PIPE PROTECTION
- EROSION CONTROL BLANKET
- TEMPORARY DITCH CHECKS
- MULCH, METHOD 3
- PERIMETER EROSION BARRIER (PEB)

USER NAME = 35361	DESIGNED - FZ	REVISED -
DRAWN - FZ	REVISIONS -	
PLOT SCALE = 100.0000' / 1" = 100'	CHECKED - JC	REVISIONS -
PLOT DATE = 3/20/2015	DATE - 03-12-2015	REVISIONS -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

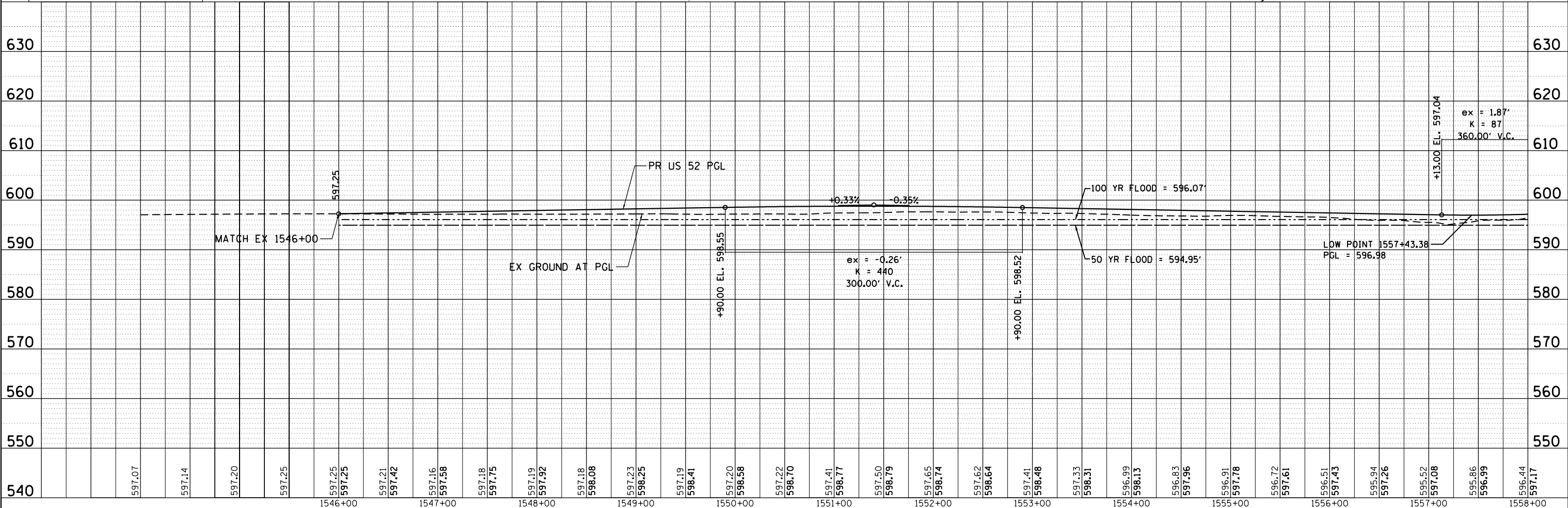
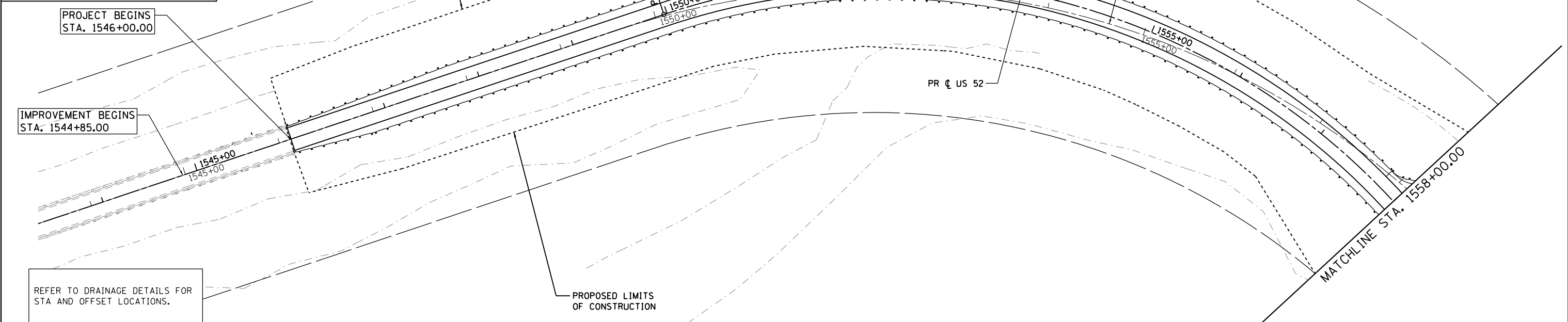
**EROSION AND SEDIMENT CONTROL PLAN  
IL 84**  
SCALE: 1" = 50' SHEET 3 OF 3 SHEETS STA. 718+50 TO STA. 730+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	118
CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	FILE NAME	
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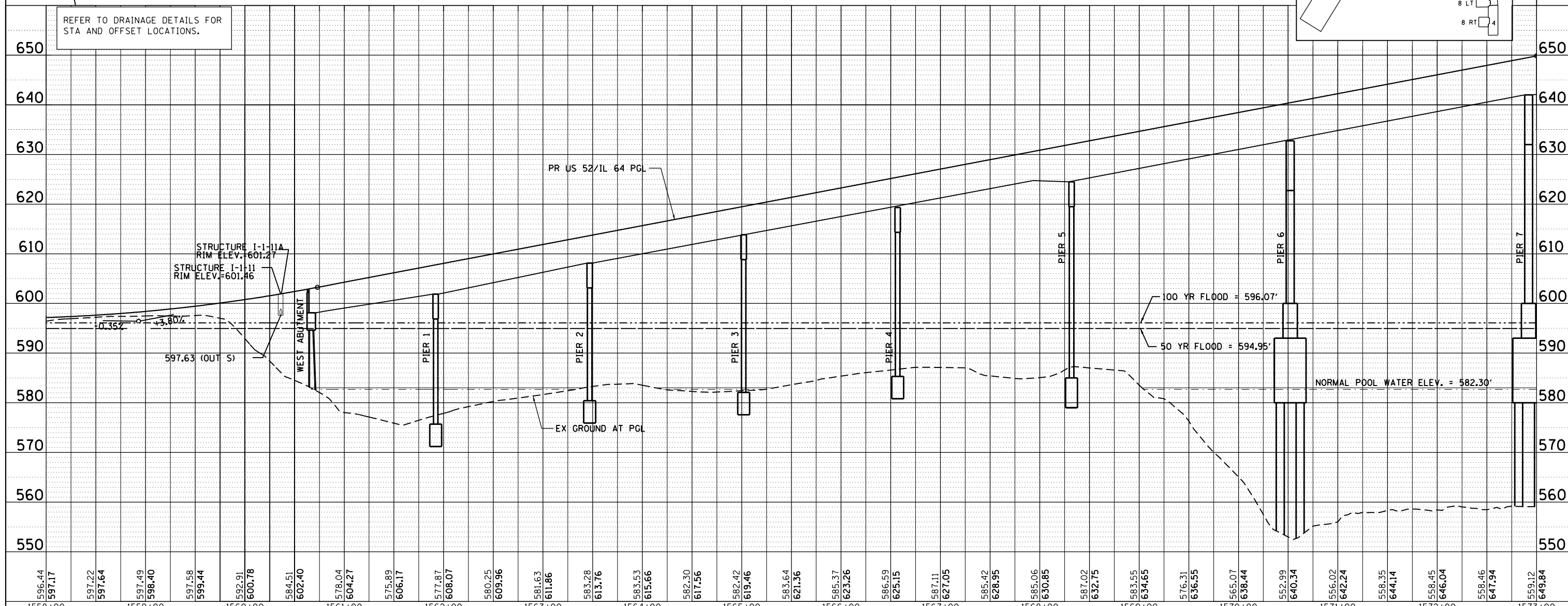
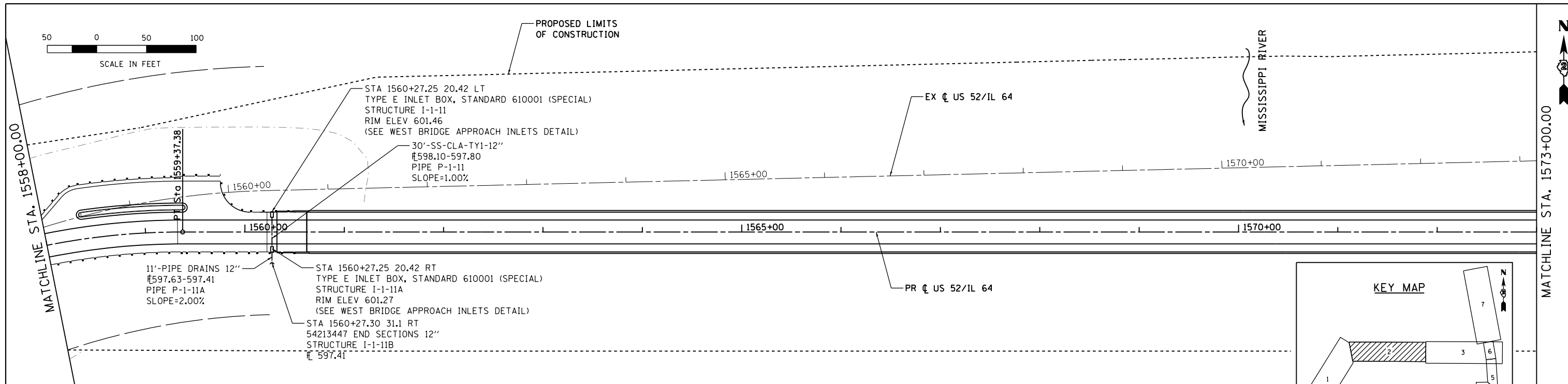
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	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
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FILE NAME = 200111DR_201.dgn	USER NAME = 35361	DESIGNED - GR	REVISIED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED DRAINAGE PLAN AND PROFILE US 52</b>			F.A.P. RTE. = 17	SECTION = 104B-2	COUNTY = CARROLL/JACKSON	TOTAL SHEETS = 528	SHEET NO. = 119
Default	PLOT SCALE = 100.0000' / 1"	CHECKED - ML	REVISIED -		SCALE: 1" = 50'	SHEET 1 OF 8 SHEETS	STA. 1544+00 TO STA. 1558+00	CONTRACT NO. 64G59				
	PLOT DATE = 3/20/2015	DATE = 03-12-2015	REVISIED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

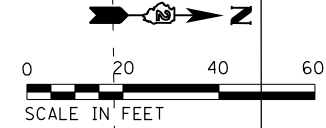
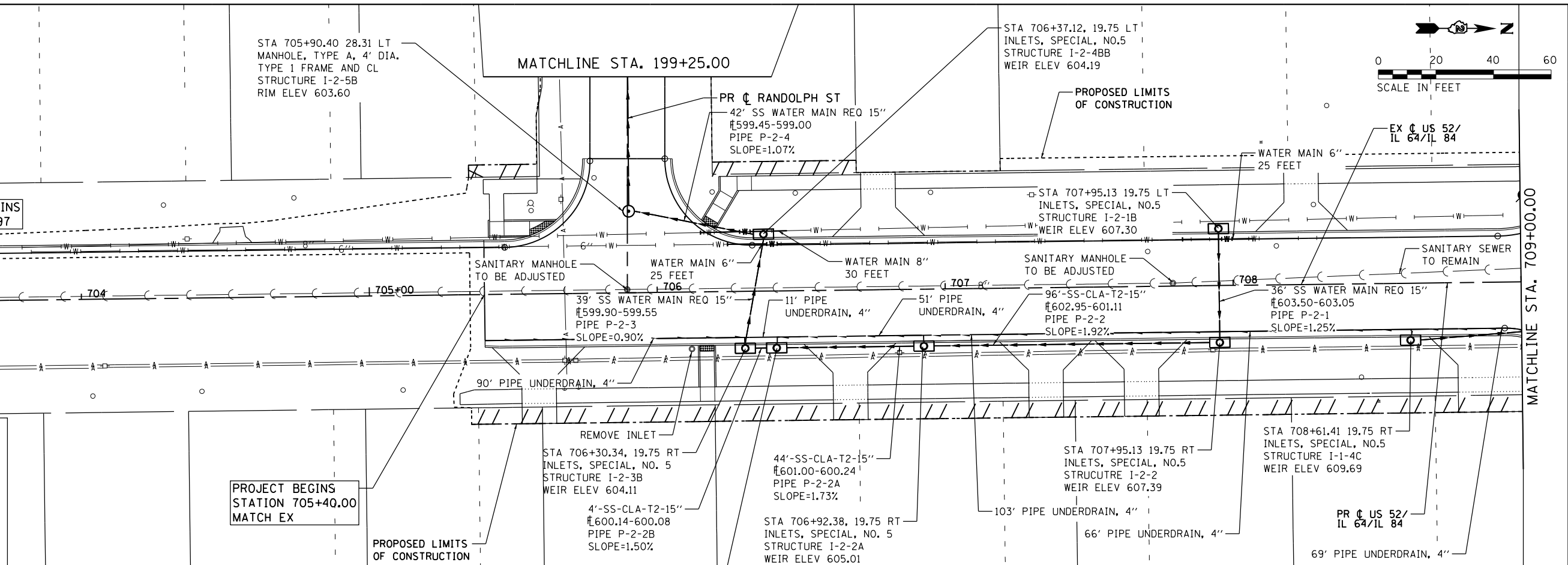
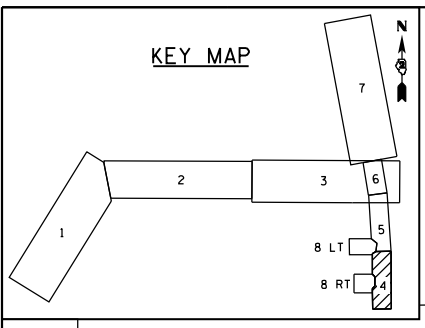
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	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	CHKD		
	NO.		



FILE NAME = 200111DR_202.dgn	USER NAME = 35361	DESIGNED - GR	REVISOR -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED DRAINAGE PLAN AND PROFILE</b> <b>US 52 /IL 64</b>	F.A.P. RTE. 17	SECTION 104B-2	COUNTY CARROLL/JACKSON	TOTAL SHEETS 528	SHEET NO. 120		
Default	PLOT SCALE = 100.0000' / 1" / 10'	CHECKED - ML	REVISOR -			SCALE: 1" = 50'	SHEET 2 OF 8 SHEETS	STA. 1558+00	TO STA. 1573+00	CONTRACT NO. 64G59		
	PLOT DATE = 3/20/2015	DATE - 03-12-2015	REVISOR -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						





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

PLAN SURVEYED \_\_\_\_\_ PLOTTED \_\_\_\_\_

NOTE BOOK \_\_\_\_\_ ALIGNED CHECKED \_\_\_\_\_

NO. \_\_\_\_\_ CARD FILE NAME \_\_\_\_\_

**NOTES:**

1) REFER TO DRAINAGE DETAILS FOR STA AND OFFSET LOCATIONS.

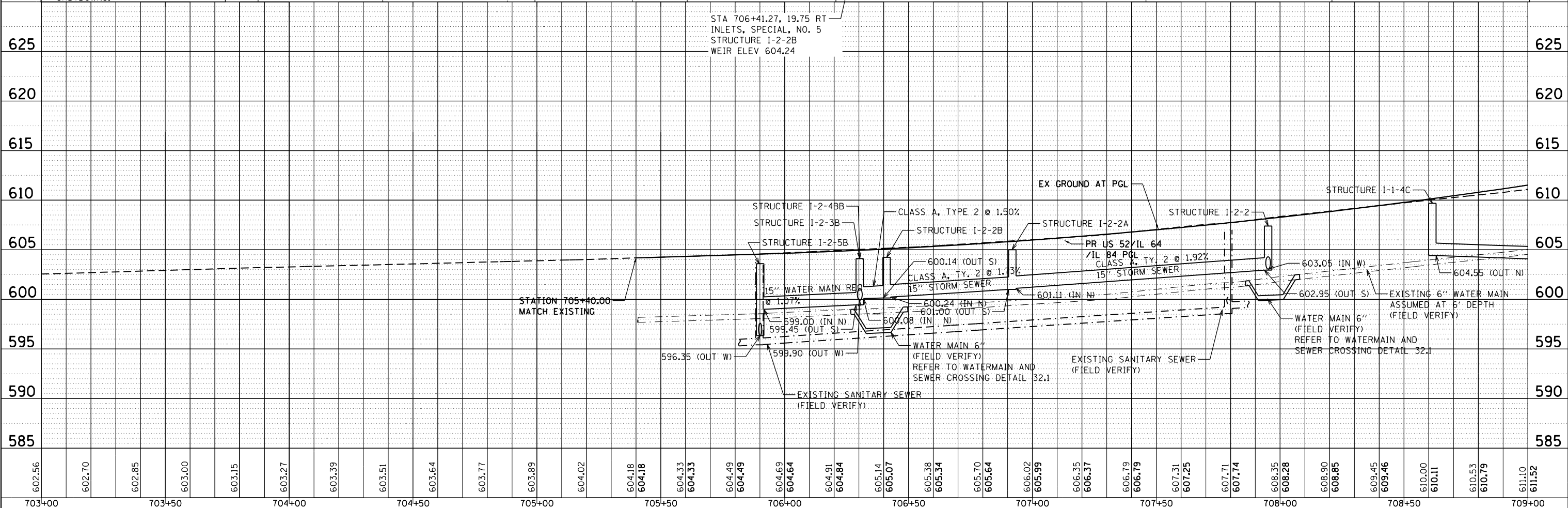
2) WATER MAIN SHUTDOWNS SHALL BE LIMITED TO BETWEEN THE HOURS OF 8:30AM AND 1:00PM. CONTRACTOR SHALL NOTIFY THE CITY OF SAVANNA 24 HOURS IN ADVANCE OF ALL WATER MAIN SHUTDOWNS.

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

PROFILE SURVEYED \_\_\_\_\_ PLOTTED \_\_\_\_\_

NOTE BOOK \_\_\_\_\_ GRADES CHECKED \_\_\_\_\_

NO. \_\_\_\_\_ STRUCTURE NOTATIONS CHKD \_\_\_\_\_



703+00	703+50	704+00	704+50	705+00	705+50	706+00	706+50	707+00	707+50	708+00	708+50	709+00																																					
602.56	602.70	602.85	603.00	603.15	603.27	603.39	603.51	603.64	603.77	603.89	604.02	604.18	604.18	604.33	604.35	604.49	604.49	604.69	604.64	604.91	604.84	605.14	605.07	605.38	605.34	605.70	605.64	606.02	605.99	606.35	606.37	606.79	606.79	607.31	607.25	607.71	607.74	608.35	608.28	608.90	608.85	609.45	609.46	610.00	610.11	610.53	610.79	611.10	611.52

FILE NAME = 200111DR\_204.dgn

Default

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	DATE - 03-12-2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

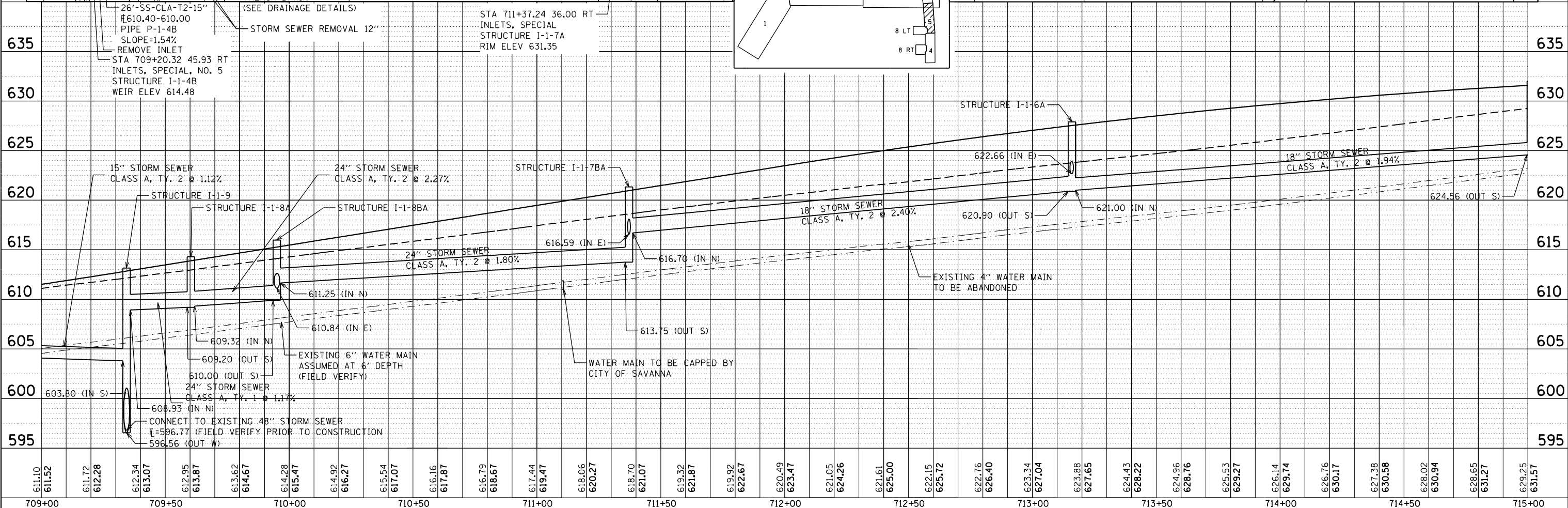
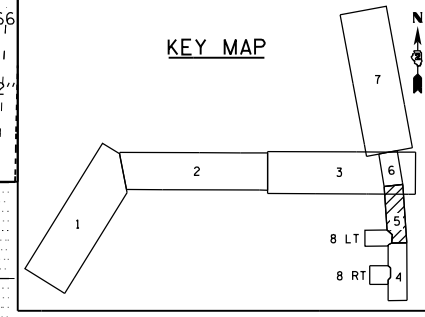
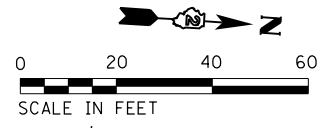
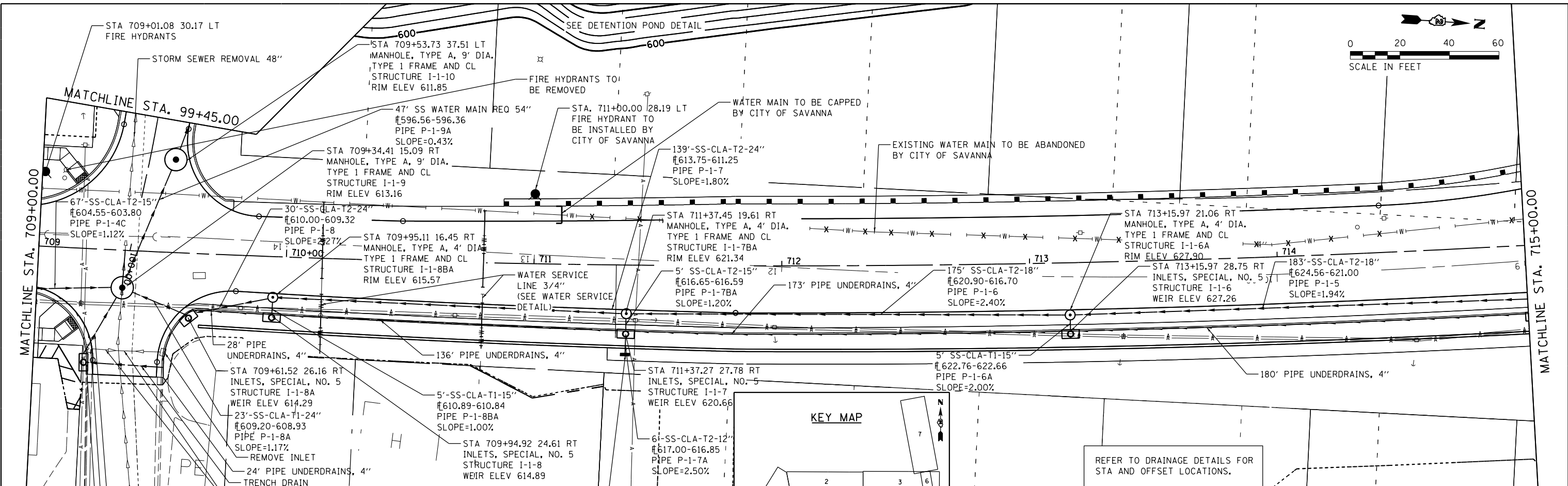
**PROPOSED DRAINAGE PLAN AND PROFILE  
IL 84**

SCALE: 1" = 50' SHEET 4 OF 8 SHEETS STA. 705+40 TO STA. 709+00

F.A.P. RTE. 17	SECTION 104B-2	COUNTY CARROLL/JACKSON	TOTAL SHEETS 528	SHEET NO. 122
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64G59	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	NO.
	CHECKED	FILE NAME
	NOTED	

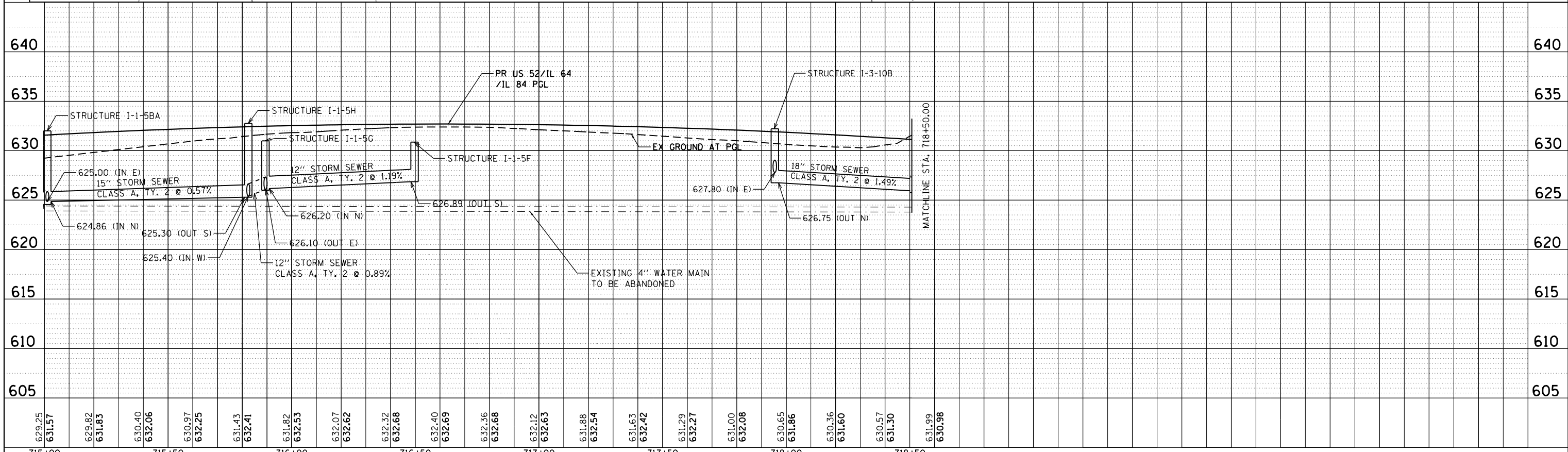
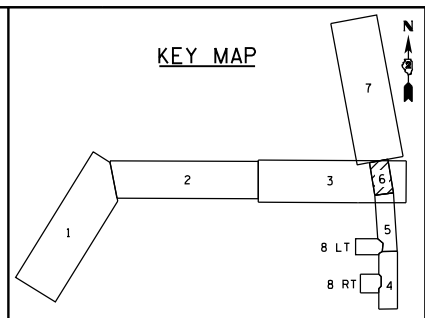
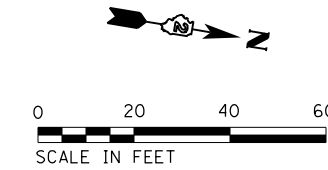
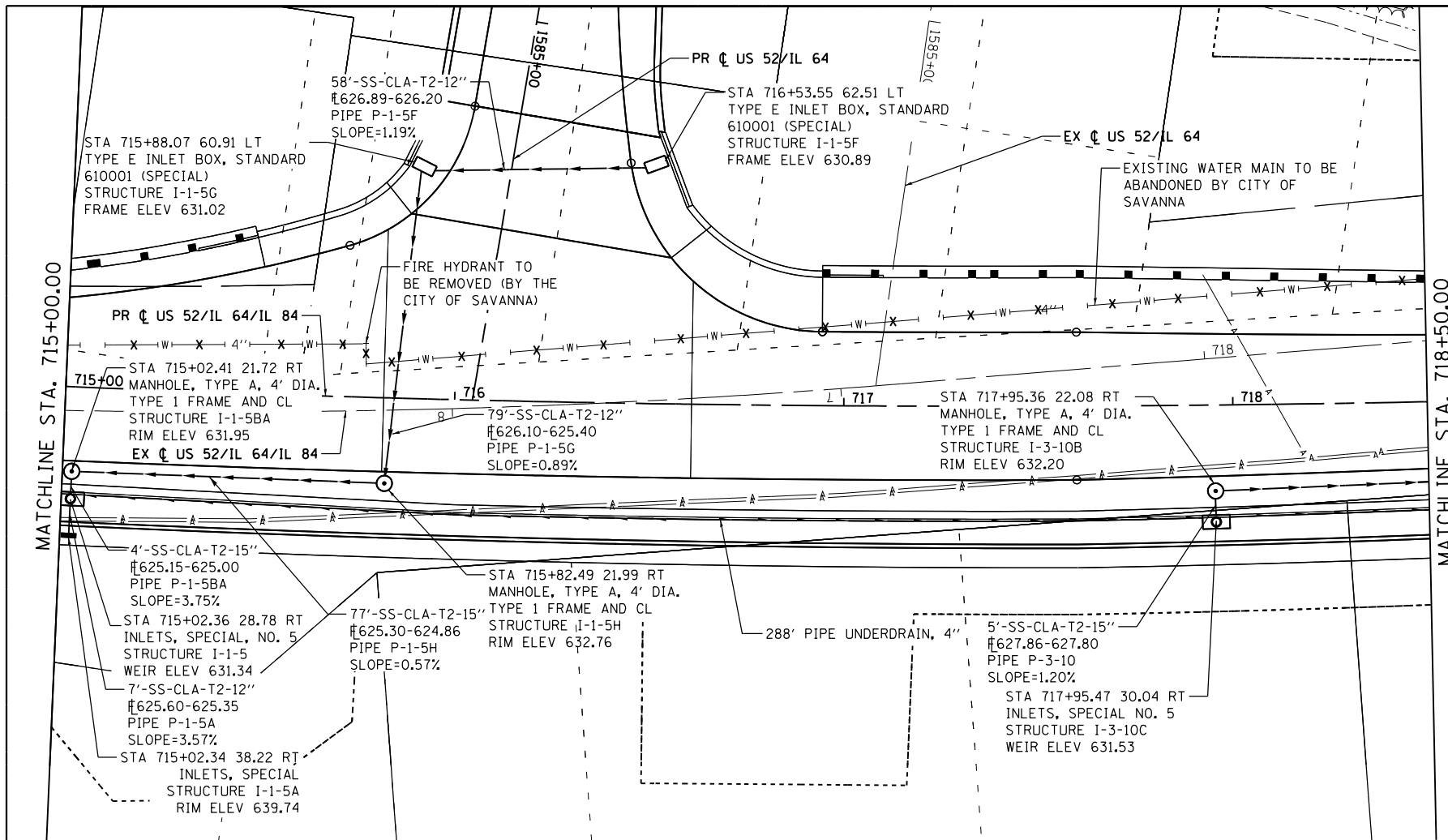
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	PLOTTED	BY
	GRADES	NO.
	CHECKED	FILE NAME
	STRUCTURE	
	NOTATIONS	



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		DRAWN - GR	REVISED -		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 64G59			
		CHECKED - ML	REVISED -							
		DATE - 03-12-2015	REVISED -							

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK	
	NO.	



REFER TO DRAINAGE DETAILS FOR STA AND OFFSET LOCATIONS.

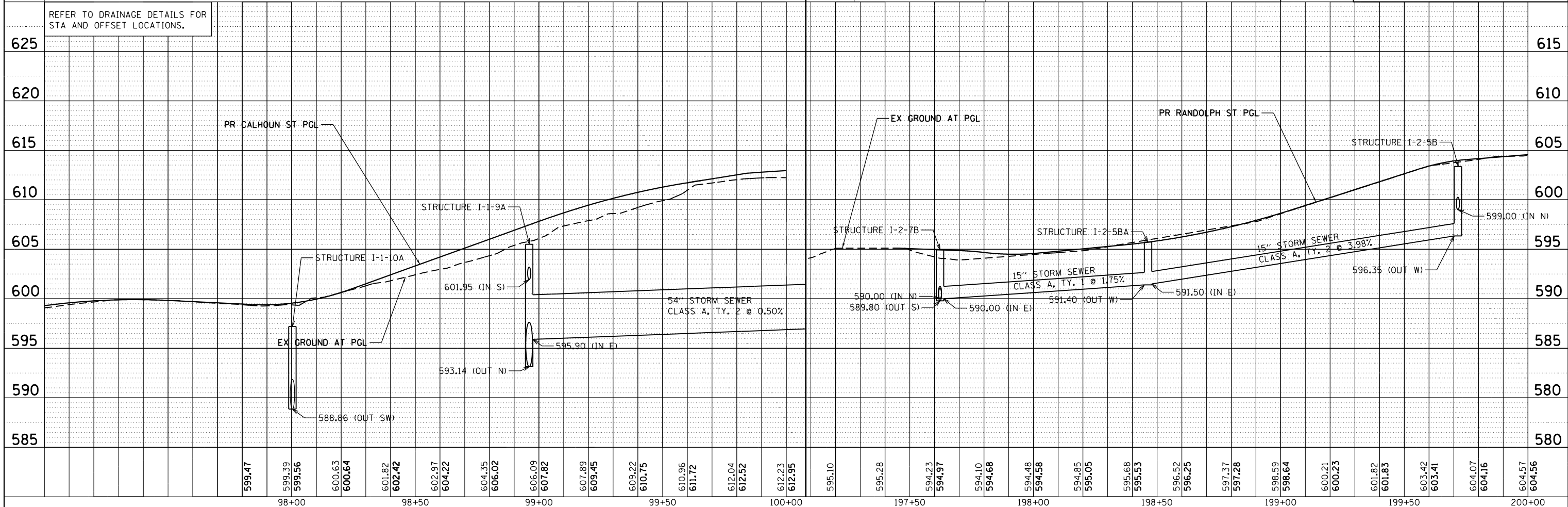
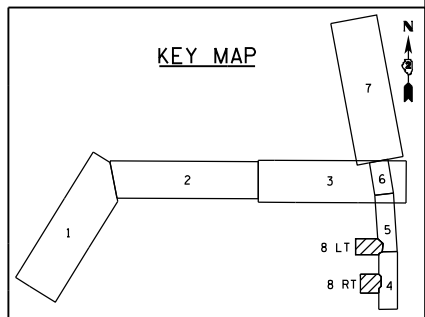
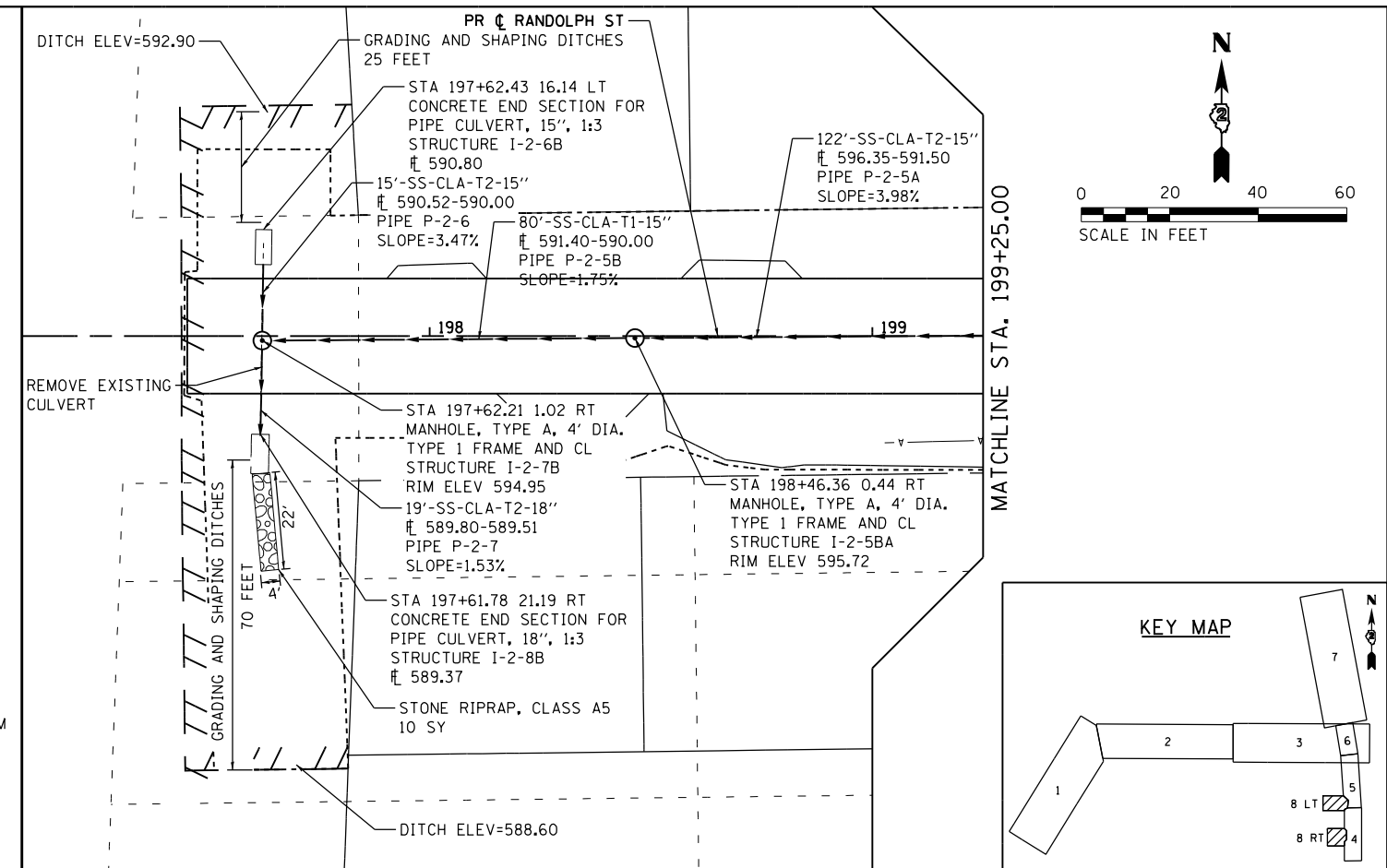
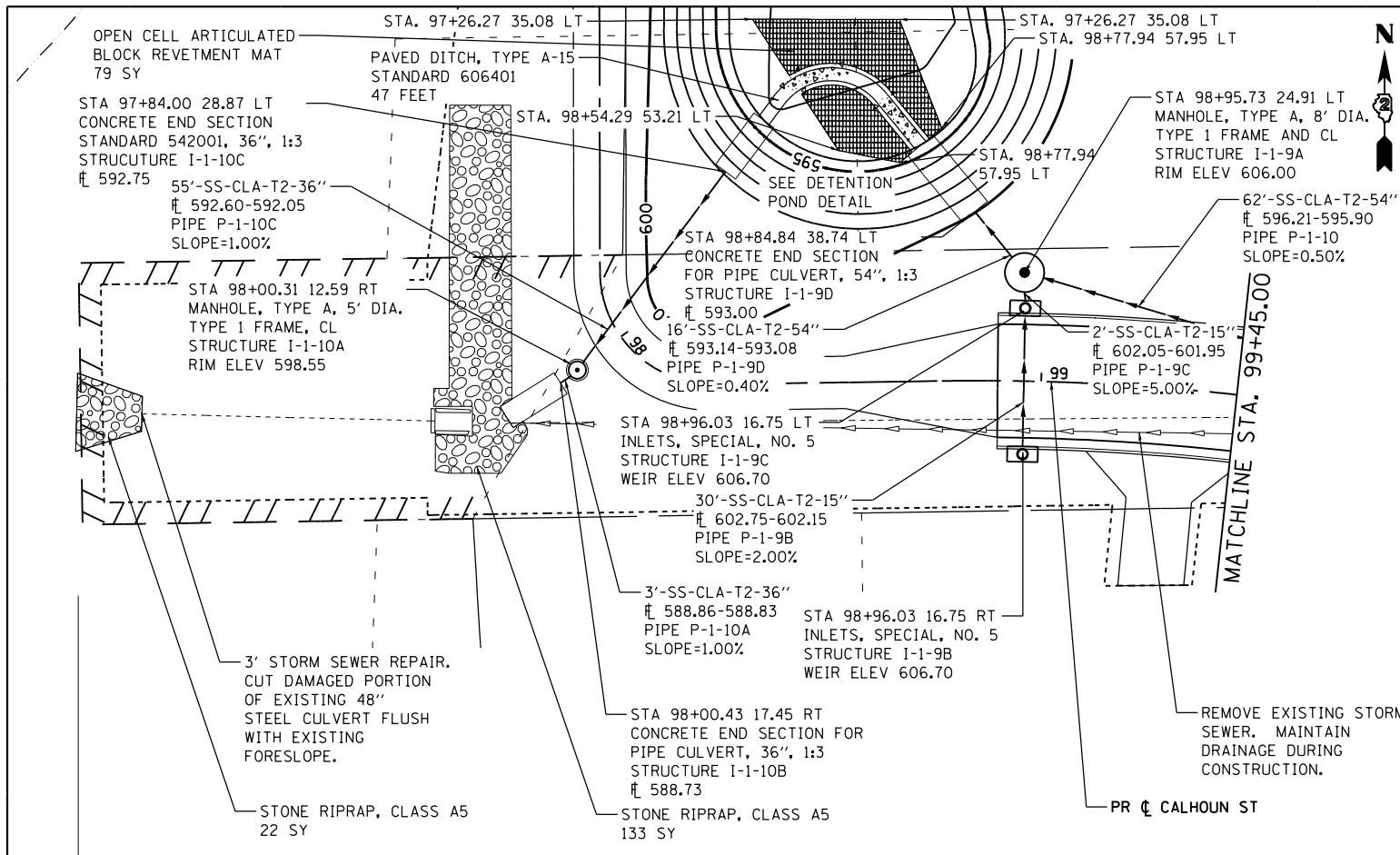
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Default	PLOT SCALE = 40.0000' / in.	CHECKED - ML	REVISIONS -			SCALE: 1" = 20'	SHEET 6 OF 8 SHEETS	STA. 715+00 TO STA. 718+50	CONTRACT NO. 64G59	
	PLOT DATE = 3/20/2015	DATE = 03-12-2015	REVISIONS -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				





PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	CHP		
	NO.		



FILE NAME = 200111DR_208.dgn	USER NAME = 35361	DESIGNED - GR	REVISOR -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED DRAINAGE PLAN AND PROFILE CALHOUN ST AND RANDOLPH ST</b>	F.A.P. RTE. = 17	SECTION = 104B-2	COUNTY = CARROLL/JACKSON	TOTAL SHEETS = 528	SHEET NO. = 126	
Default	PLOT SCALE = 48.0000' / in.	CHECKED - ML	REVISOR -			SCALE: 1" = 20'	SHEET 8 OF 8 SHEETS	STA. 97+84	TO STA. 200+00	FED. ROAD DIST. NO. =	ILLINOIS FED. AID PROJECT =
	PLOT DATE = 3/20/2015	DATE = 03-12-2015	REVISOR -			CONTRACT NO. 64G59					

**STRUCTURE SCHEDULE**

STRUCT. NO	ALIGNMENT	STATION	OFFSET	DIR.	PROPOSED RIM ELEVATION	PROPOSED WEIR ELEVATION	INVERTS				54213447	54244405	54261315	54261318	54261336	54261354	SHEET NO. (DRAINAGE PLAN)	UNDERDRAIN
							NORTH	SOUTH	EAST	WEST	END SECTIONS 12"	FLUSH INLET BOX FOR MEDIAN, STANDARD 542546	CONCRETE END SECTION, STANDARD 542001, 15", 1:3	CONCRETE END SECTION, STANDARD 542001, 18", 1:3	CONCRETE END SECTION, STANDARD 542001, 36", 1:3	CONCRETE END SECTION, STANDARD 542001, 54", 1:3		
											EACH	EACH	EACH	EACH	EACH			
I-1-9D	PCALHOUN	98+84.84	38.74	LT	-	-	593.00	-	-	-						1	8 OF 8	NO
I-1-10C	PCALHOUN	97+84.00	28.87	LT	-	-	-	592.75	-	-					1		8 OF 8	NO
I-1-10B	PCALHOUN	98+00.43	17.45	RT	-	-	-	588.73	-	-					1		8 OF 8	NO
I-1-11B	PR_US52-IL64	1560+27.30	31.10	RT	-	-	-	597.41	-	-	1						2 OF 8	NO
I-2-6B	PR_RANDOLPH	197+62.43	16.14	LT	-	-	590.8	-	-	-		1					8 OF 8	NO
I-2-8B	PR_RANDOLPH	197+61.78	21.19	RT	-	-	-	589.37	-	-			1				8 OF 8	NO
I-3-1C	PR_IL84(BR)	729+72.14	29.18	RT	609.80	-	-	605.30	-	604.90		1					7 OF 8	NO
<b>TOTAL:</b>											1	1	1	1	2	1		

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DRAWN - SQ	REVISED -	
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PLOT DATE = 3/20/2015	DATE - 03-12-2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: N/A      SHEET 1 OF 3 SHEETS      STA.      TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	127
<b>CONTRACT NO. 64G59</b>				
FED. ROAD DIST. NO.      ILLINOIS FED. AID PROJECT				



**PIPE SCHEDULE**

PIPE NO.	LENGTH (FT)	SLOPE (%)	SHEET NO. (DRAINAGE PLAN)	FROM STRUCTURE	TO STRUCTURE	550A0050	550A0070	550A0120	550A0340	550A0360	550A0380	550A0410	550A0450	550A0490	60100945	Z0056610	Z0056628	X550A576	20800150
						STORM SEWER, CLASS A, TYPE 1 12" FOOT	STORM SEWER, CLASS A, TYPE 1 15" FOOT	STORM SEWER, CLASS A, TYPE 1 24" FOOT	STORM SEWER, CLASS A, TYPE 2 12" FOOT	STORM SEWER, CLASS A, TYPE 2 15" FOOT	STORM SEWER, CLASS A, TYPE 2 18" FOOT	STORM SEWER, CLASS A, TYPE 2 24" FOOT	STORM SEWER, CLASS A, TYPE 2 36" FOOT	STORM SEWER, CLASS A, TYPE 2 54" FOOT	PIPE DRAINS 12" FOOT	STORM SEWER (WATER MAIN) 15" FOOT	STORM SEWER (WATER MAIN) 54" FOOT	TEMPORARY STORM SEWERS, CLASS A, TYPE 2 24"	TRENCH BACKFILL CU YD
P-1-4B	26'	1.54%	5 OF 8	I-1-4B	I-1-9					26									3.2
P-1-4C	67'	1.12%	5 OF 8	I-1-4C	I-1-9					67									49.9
P-1-5	183'	1.94%	5 OF 8	I-1-5BA	I-1-6A						183								138.4
P-1-5A	7'	3.57%	6 OF 8	I-1-5A	I-1-5				7										
P-1-5BA	4'	3.75%	6 OF 8	I-1-5	I-1-5BA					4									2.7
P-1-5F	58'	1.19%	6 OF 8	I-1-5F	I-1-5G				58										10.0
P-1-5G	79'	0.89%	6 OF 8	I-1-5G	I-1-5H				79										28.6
P-1-5H	77'	0.57%	6 OF 8	I-1-5H	I-1-5BA					77									57.4
P-1-6	175'	2.40%	5 OF 8	I-1-6A	I-1-7BA						175								58.1
P-1-6A	5'	2.00%	5 OF 8	I-1-6	I-1-6A		5												0.6
P-1-7	139'	1.80%	5 OF 8	I-1-7BA	I-1-8BA							139							44.9
P-1-7A	6'	2.50%	5 OF 8	I-1-7A	I-1-7				6										
P-1-7BA	5'	1.20%	5 OF 8	I-1-7	I-1-7BA					5									4.0
P-1-8	30'	2.27%	5 OF 8	I-1-8BA	I-1-8A							30							7.3
P-1-8A	23'	1.17%	5 OF 8	I-1-8A	I-1-9			23											24.1
P-1-8BA	5'	1.00%	5 OF 8	I-1-8	I-1-8BA		5												0.6
P-1-9A	47'	0.43%	5 OF 8	I-1-9	I-1-10												47		149.2
P-1-9B	30'	2.00%	8 OF 8	I-1-9B	I-1-9C					30									5.0
P-1-9C	2'	5.00%	8 OF 8	I-1-9C	I-1-9A					2									0.3
P-1-9D	16'	0.40%	8 OF 8	I-1-9A	I-1-9D								16						33.8
P-1-10	62'	0.50%	8 OF 8	I-1-10	I-1-9A								62						131.0
P-1-10A	3'	1.00%	8 OF 8	I-1-10A	I-1-10B								3						
P-1-10C	55'	1.00%	8 OF 8	I-1-10C	I-1-10A								55						
P-1-11	30'	1.00%	2 OF 8	I-1-11	I-1-11A	30													3.6
P-1-11A	11'	2.00%	2 OF 8	I-1-11A	I-1-11B										11				1.2
P-2-1	36'	1.25%	4 OF 8	I-2-1B	I-2-2											36			5.4
P-2-2	96'	1.92%	4 OF 8	I-2-2	I-2-2A					96									16.2
P-2-2A	44'	1.73%	4 OF 8	I-2-2A	I-2-2B					44									5.7
P-2-2B	4'	1.50%	4 OF 8	I-2-2B	I-2-3B					4									0.4
P-2-3	39'	0.90%	4 OF 8	I-2-3B	I-2-4BB											39			7.4
P-2-4	42'	1.07%	4 OF 8	I-2-4BB	I-2-5B											42			10.4
P-2-5A	122'	3.98%	8 OF 8	I-2-5B	I-2-5BA					122									42.9
P-2-5B	80'	1.75%	8 OF 8	I-2-5BA	I-2-7B		80												15.6
P-2-6	15'	3.47%	8 OF 8	I-2-6B	I-2-7B					15									2.2
P-2-7	19'	1.53%	8 OF 8	I-2-7B	I-2-8B						19								2.7
P-3-1	167'	1.58%	7 OF 8	I-3-2DD	I-3-1C							167							25.6
P-3-2D	12'	1.50%	7 OF 8	I-3-2E	I-3-2DD							12							0.8
P-3-2E	57'	0.56%	7 OF 8	I-3-2F	I-3-2E							57							6.6
P-3-2F	58'	0.51%	7 OF 8	I-3-3C	I-3-2F							58							11.9
P-3-3	10'	5.00%	7 OF 8	I-3-3D	I-3-3C							10							2.4
P-3-3C	132'	1.70%	7 OF 8	I-3-4	I-3-3D							132							27.1
P-3-4	187'	1.36%	7 OF 8	I-3-6	I-3-4							187							260.3
P-3-4A	2'	1.00%	7 OF 8	I-3-4C	I-3-4					2									0.3
P-3-4C	9'	2.00%	7 OF 8	I-3-4D	I-3-4C				9										
P-3-6	189'	2.51%	7 OF 8	I-3-7	I-3-6						189								60.1
P-3-6A	5'	3.60%	7 OF 8	I-3-6C	I-3-6					5									1.4
P-3-6C	6'	3.67%	7 OF 8	I-3-6D	I-3-6C				6										
P-3-7A	5'	1.20%	7 OF 8	I-3-7C	I-3-7					5									0.6
P-3-7	163'	0.95%	7 OF 8	I-3-9	I-3-7						163								62.5
P-3-9	154'	1.49%	7 OF 8	I-3-10B	I-3-9						154								39.4
P-3-9A	5'	1.00%	7 OF 8	I-3-9C	I-3-9		5												0.6
P-3-10	5'	1.20%	6 OF 8	I-3-10C	I-3-10B					5									0.6
P-3-11	4'	5.00%	7 OF 8	I-3-1C	EXISTING							4							
Temp1	124'	5.16%	MOT (PRE-STAGE)	TEMP1	-													124	
TOTAL:						30	95	23	165	509	883	796	58	78	11	117	47	124	1365.4

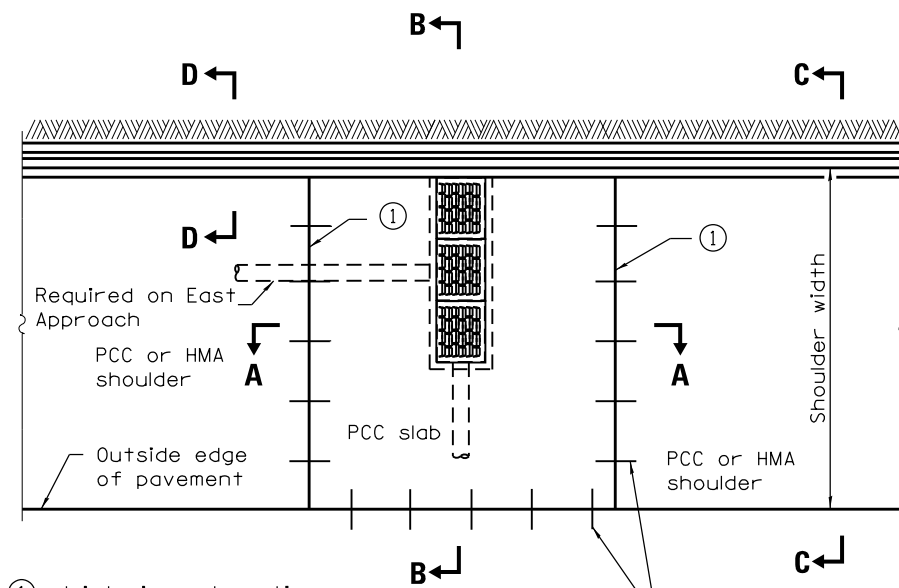
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PLOT DATE = 3/20/2015	DATE - 03-12-2015	REVISD -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE: N/A				SCHEDULE OF QUANTITIES			
SHEET 3	OF 3	SHEETS	STA.	TO STA.			

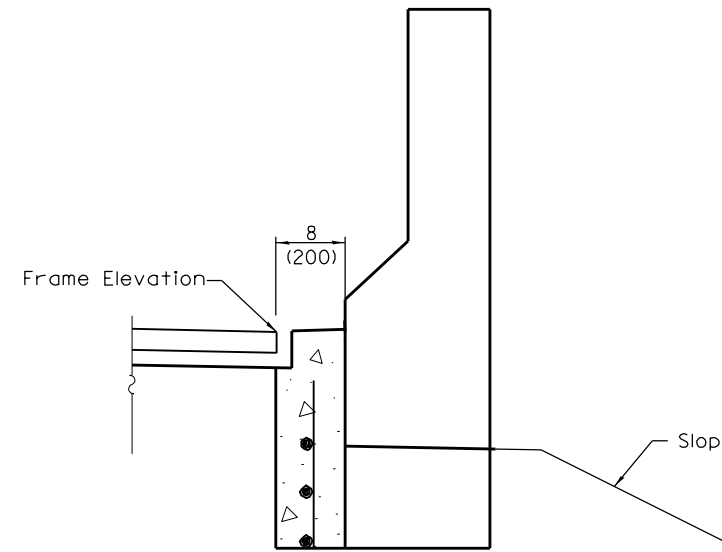
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	129
CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



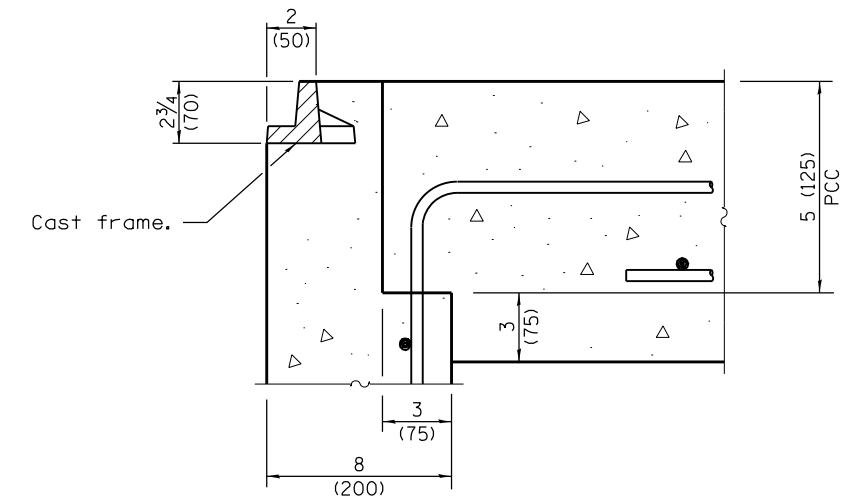
① Joints in prolongation with existing joints in pavements.

**PLAN**

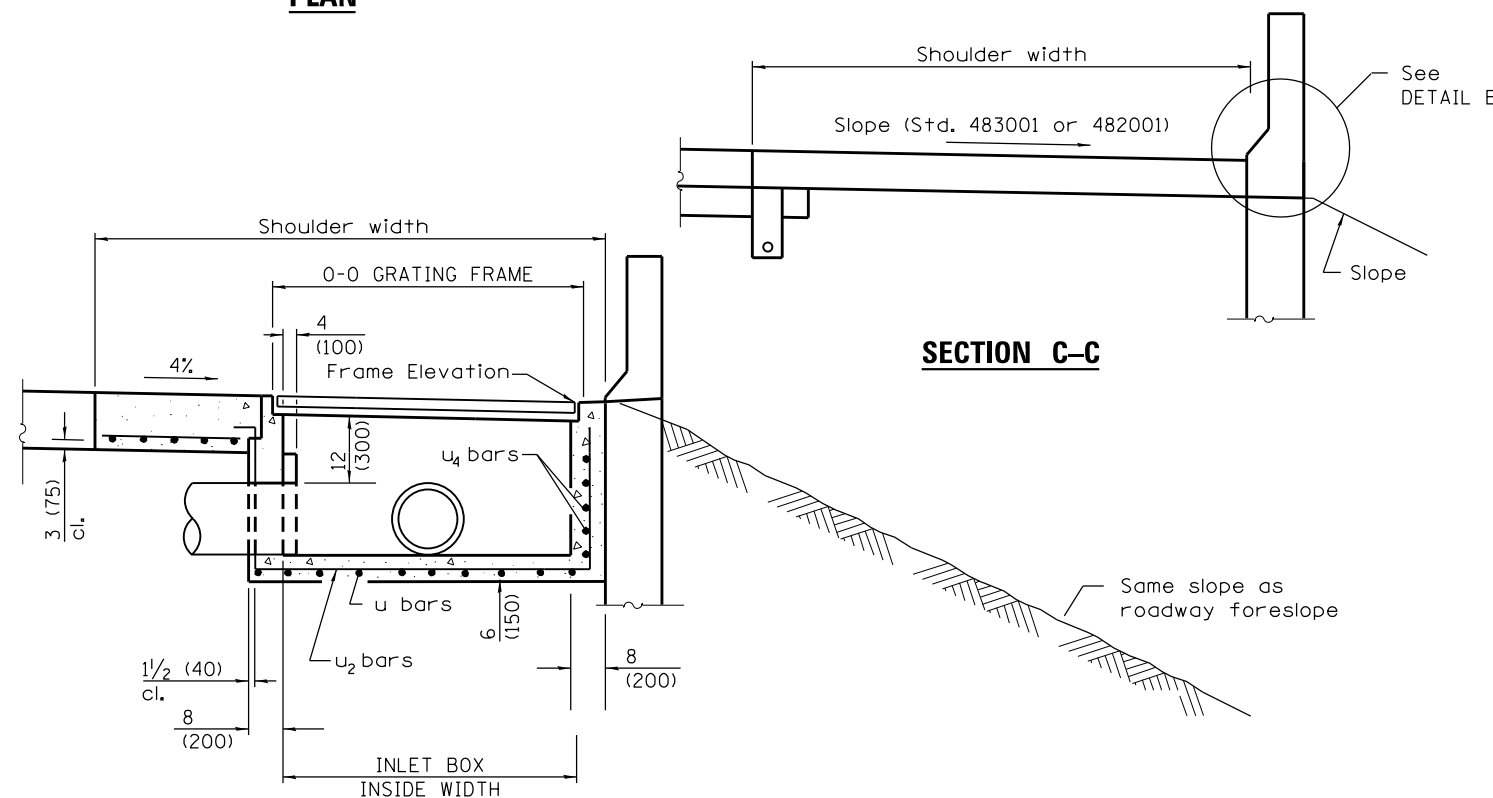
No. 6 (No. 19) Tie bars or expansion anchor ties at 24 (600) cts.



**DETAIL B**

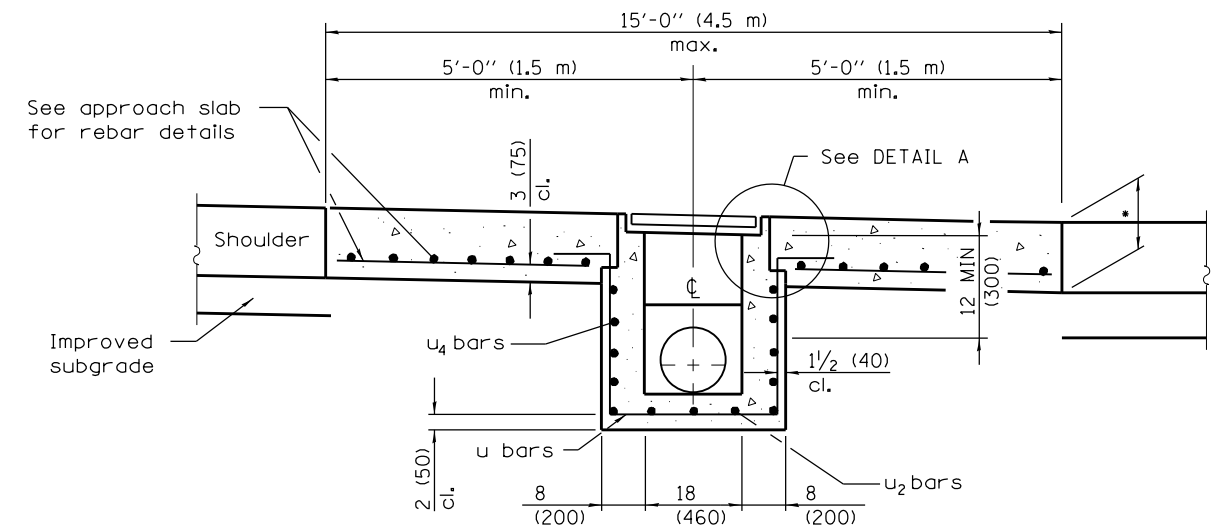


**DETAIL A**



**SECTION C-C**

**SEC. B-B**



**SEC. A-A**

• PCC slab thickness same as adjacent shoulder.

**GENERAL NOTES**

See Standard 420001 for joint details not shown.

All exposed edges of the inlet, except the upper perimeter, shall be beveled  $\frac{3}{4}$  (20).

For placement of drainage elements on existing construction with existing rigid pavement, substitute expansion anchor ties for tie bars. For nonrigid pavements or monolithic construction of pcc slab and shoulder, omit tie bars.

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

INLET TYPE	SHOULDER WIDTH	0-0 GRATING FRAME	INLET BOX INSIDE WIDTH	INLET BOX INSIDE LENGTH
Type E	8' (2.4 m)	4'-4" (1.325 m)	3'-11" (1.195 m)	18 (460)

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(Sheet 1 of 2)

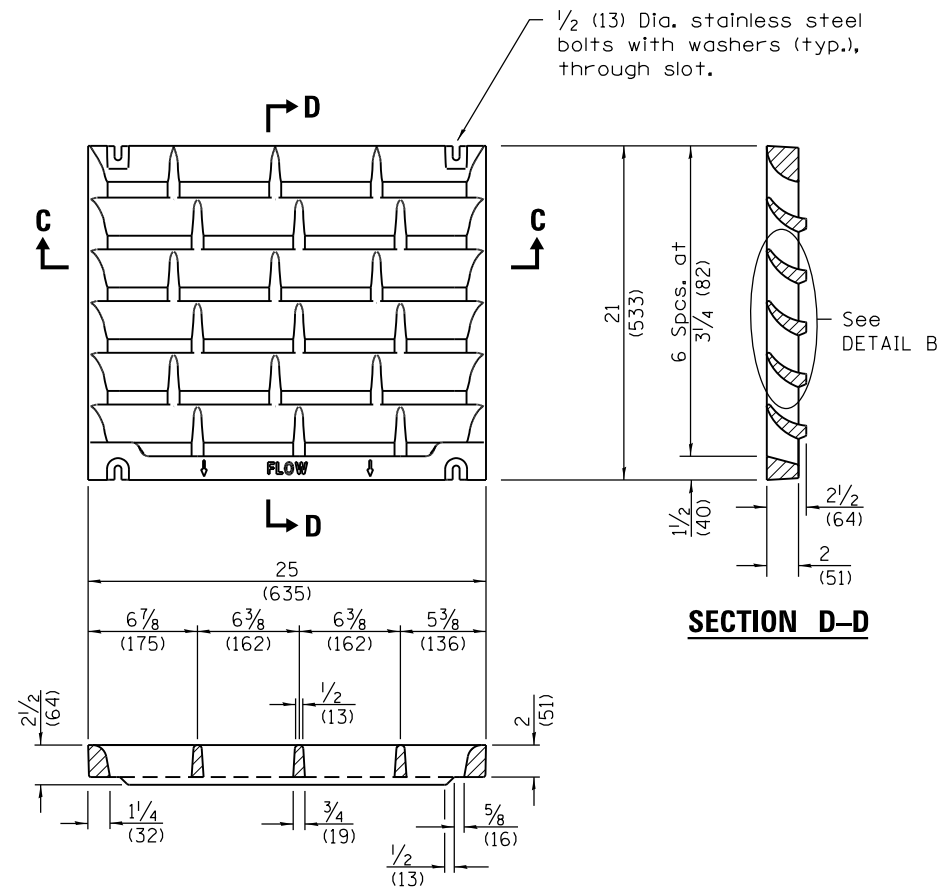
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	DRAWN - GR	REVISED -
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PLOT DATE = 3/20/2015	DATE - 03-12-2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

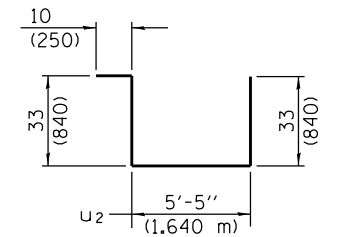
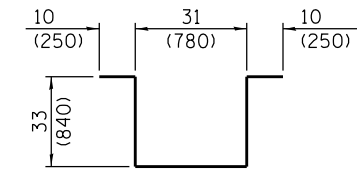
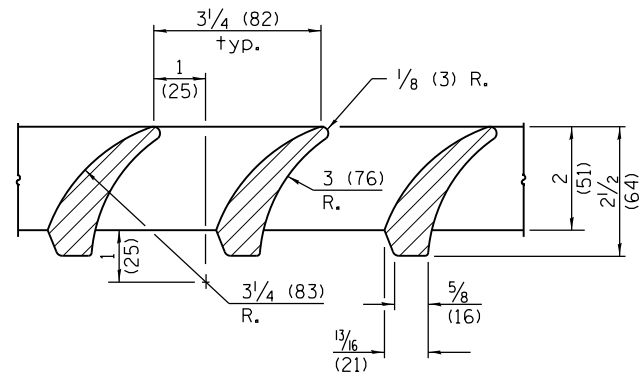
**DRAINAGE DETAILS  
EAST SIDE APPROACH INLETS  
TYPE E INLET BOX, STANDARD 610001 (SPECIAL)**

SCALE: N/A SHEET 1 OF 7 SHEETS STA. TO STA.

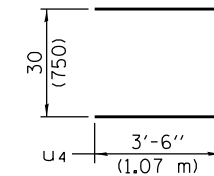
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	130
CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



**SECTION C-C**  
**DETAIL OF CAST GRATE**  
Type E requires 2 grates



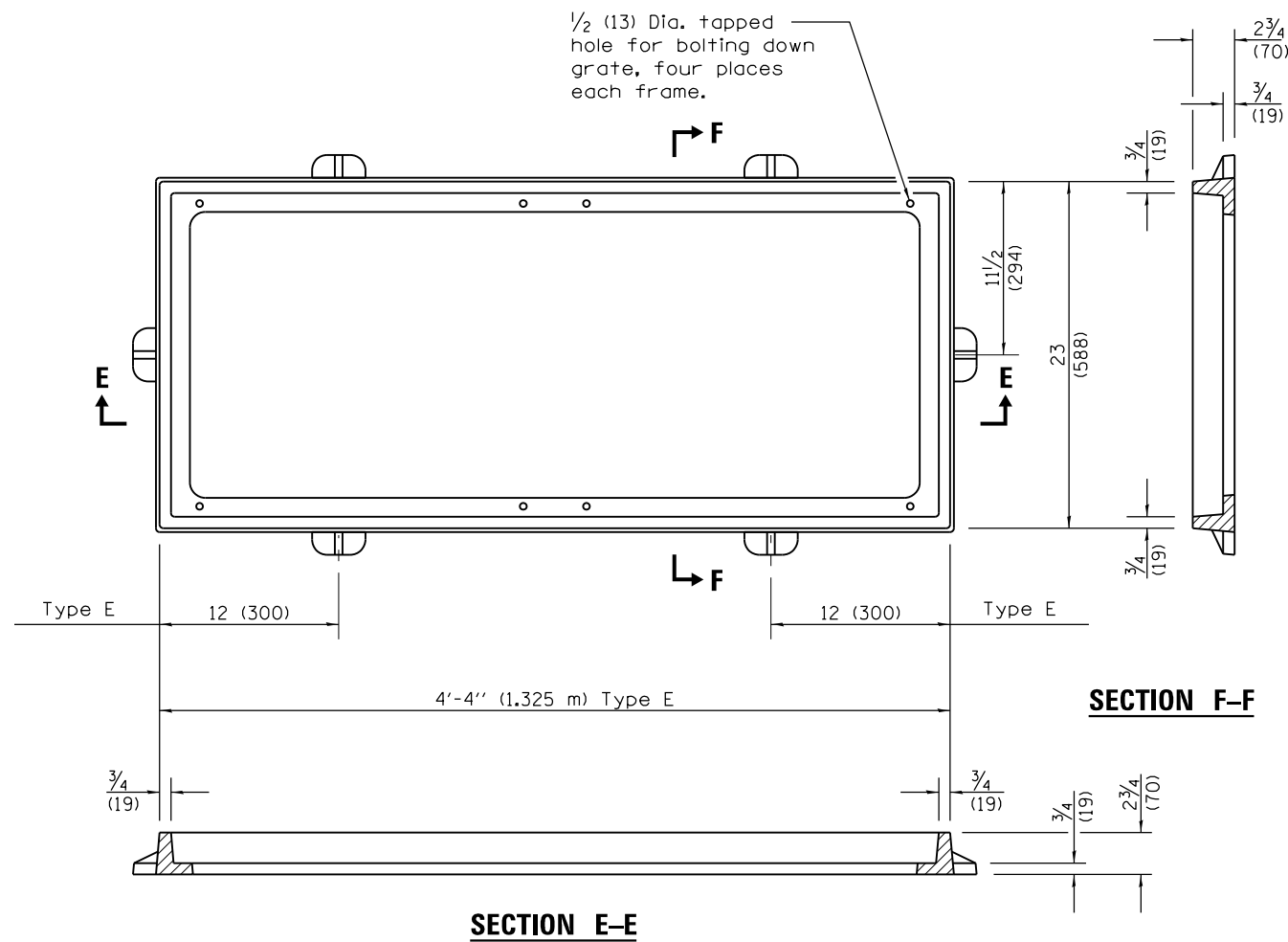
**BARS u1, u2 & u5**



**BARS u3, u4 & u6**

**INLET BOX**

TYPE E			
Bar	Qty.	Size	Length
u	6	No. 4 (No.13)	9'-9" (2.96 m)
u2	3	No. 4 (No.13)	11'-9" (3.57 m)
u4	6	No. 4 (No.13)	9'-6" (2.89 m)
Concrete	cu. yds. (m <sup>3</sup> )		1.3 (1.0)
Reinf. bars	lbs. (kg)		101 (45.8)
Grating	sq. ft. (m <sup>2</sup> )		7.3 (0.68)



**SECTION E-E**  
**DETAIL OF CAST FRAME**  
(Type E shown)

**SECTION F-F**

FILE NAME = c:\p\working\illinois\35361\cma04105\20011IDR-DET\_2012.dgn

(Sheet 2 of 2)

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DRAWN - GR	REVISIONS -	
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PLOT DATE = 3/20/2015	DATE - 03-12-2015	REVISIONS -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

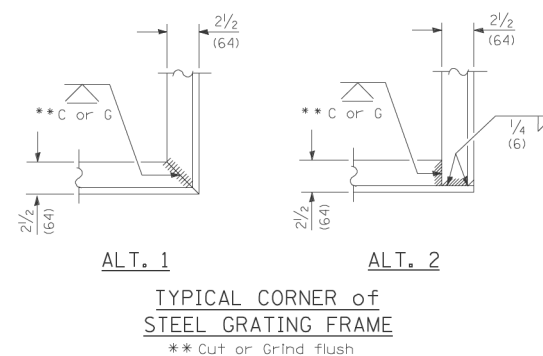
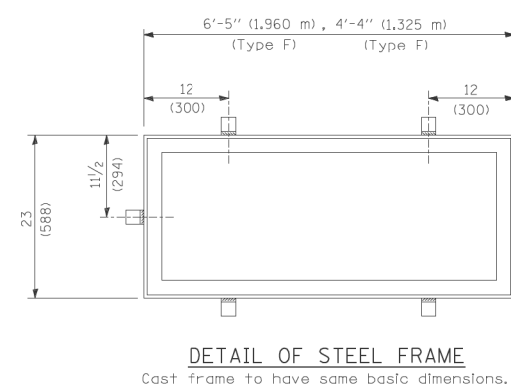
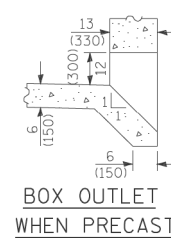
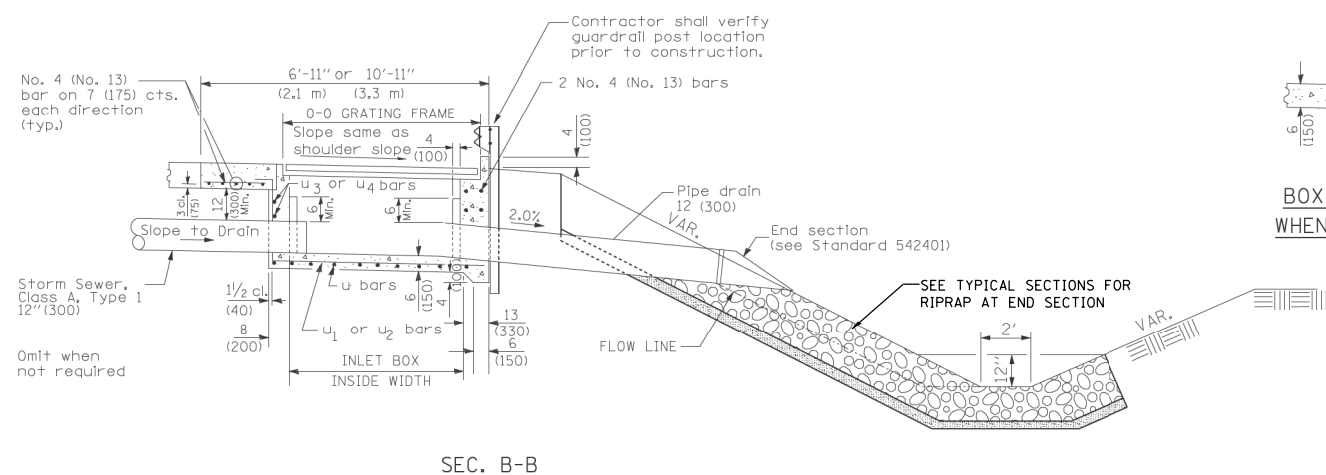
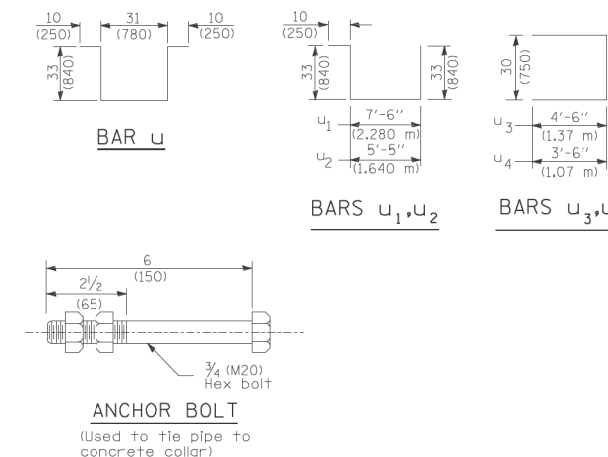
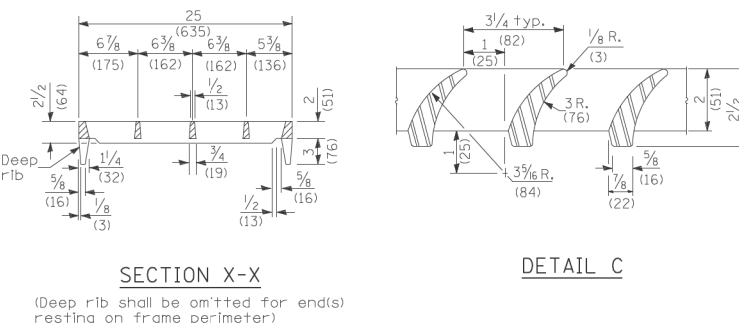
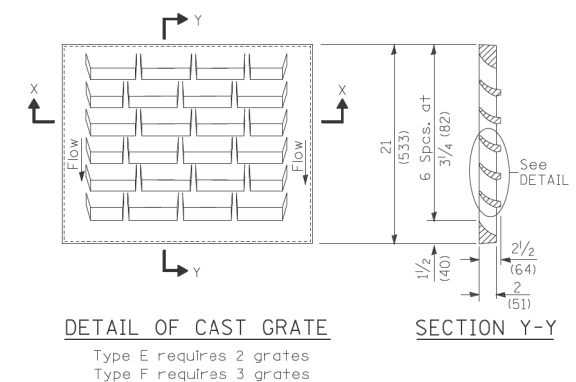
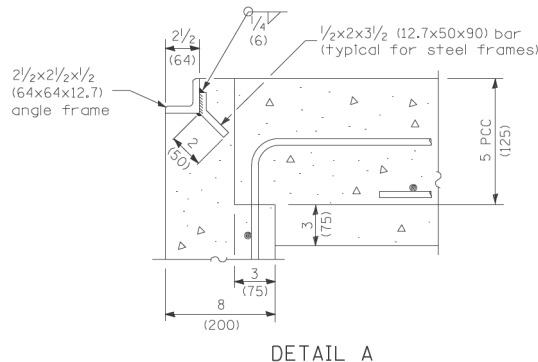
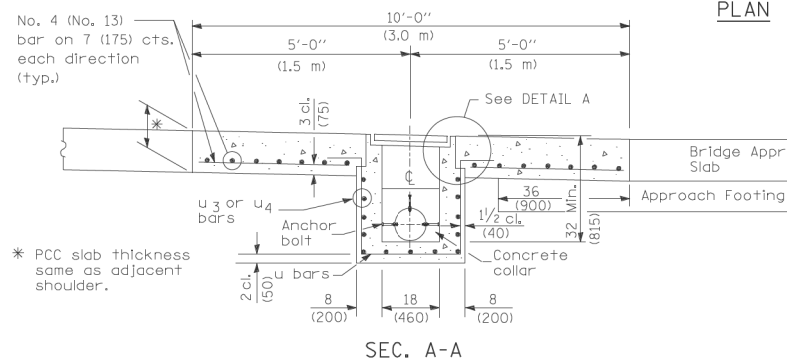
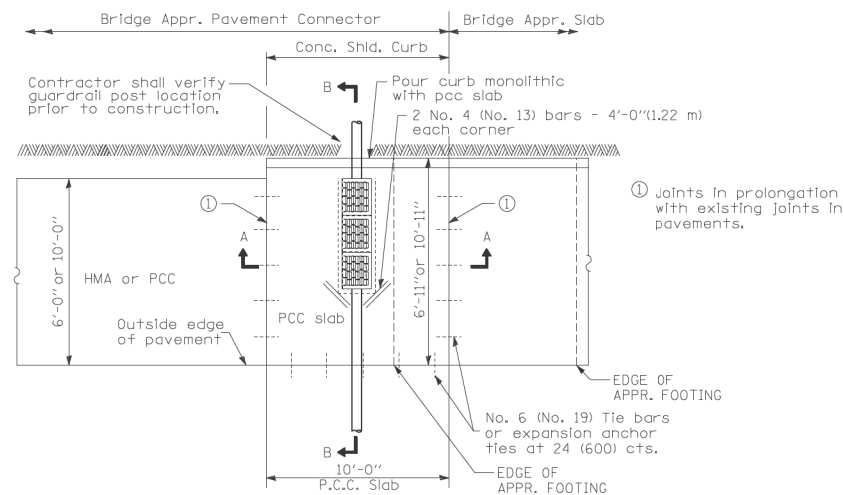
DRAINAGE DETAILS  
EAST SIDE APPROACH INLETS  
TYPE E INLET BOX, STANDARD 610001 (SPECIAL)

SCALE: N/A SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	131
CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

**INLET BOX**

INLET TYPE	SHOULDER WIDTH	O-O GRATING FRAME	INLET BOX INSIDE WIDTH	INLET BOX INSIDE LENGTH
Type E	6' (1.8 m)	4'-4" (1.325 m)	3'-11" (1.195 m)	18 (460)
Type F	10' (3.0 m)	6'-5" (1.960 m)	6'-0" (1.830 m)	18 (460)



**GENERAL NOTES**

See Standard 420001 for joint details not shown.

All exposed edges of the Inlet, except the upper perimeter, shall be beveled 3/4 (20).

For placement of drainage elements on existing construction with existing rigid pavement, substitute expansion anchor ties for the tie bars. For non-rigid pavements or monolithic construction of pcc slab and shoulder, omit tie bars.

The cost of PCC slab, concrete shoulder curb, reinforcing bars and frame & grate shall be included in the cost of Type E or F Inlet Box, Standard 610001 (SPECIAL).

The lengths of reinforcement bars used in the portland cement concrete slab shall be such as to accommodate the lengths, widths, and spacing shown on the plans.

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

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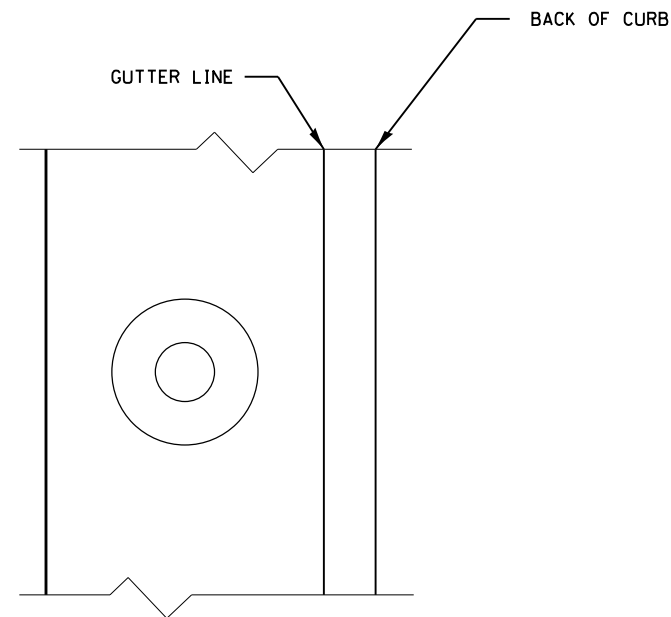
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE DETAILS  
WEST BRIDGE APPROACH INLETS  
TYPE E INLET BOX, STANDARD 610001 (SPECIAL)**

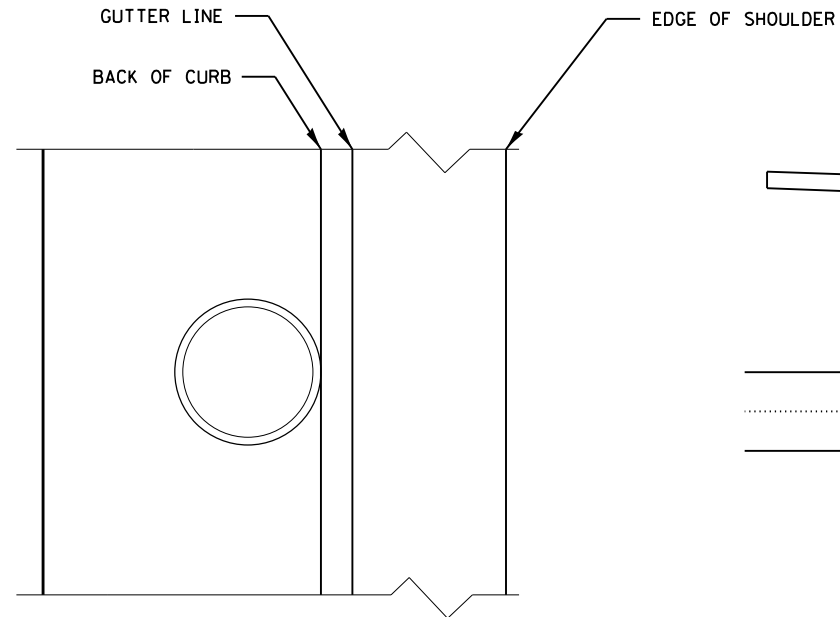
SCALE: SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	132
CONTRACT NO. 64G59				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

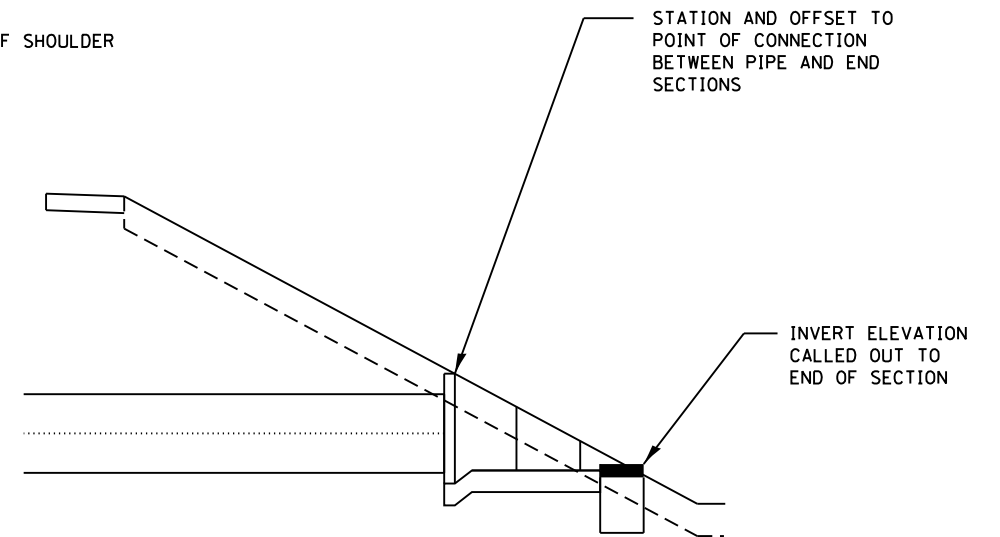




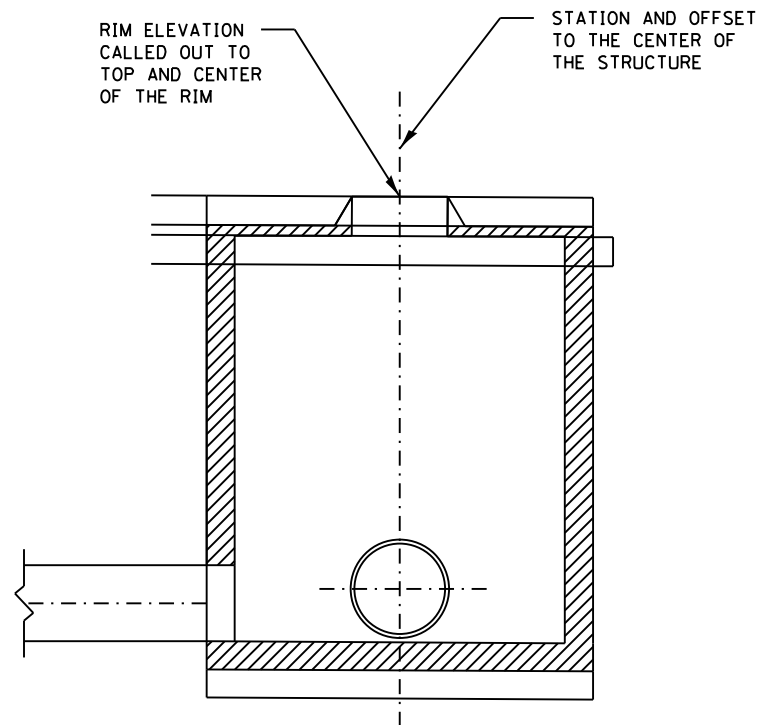
**PLAN VIEW  
MANHOLE IN PAVEMENT**



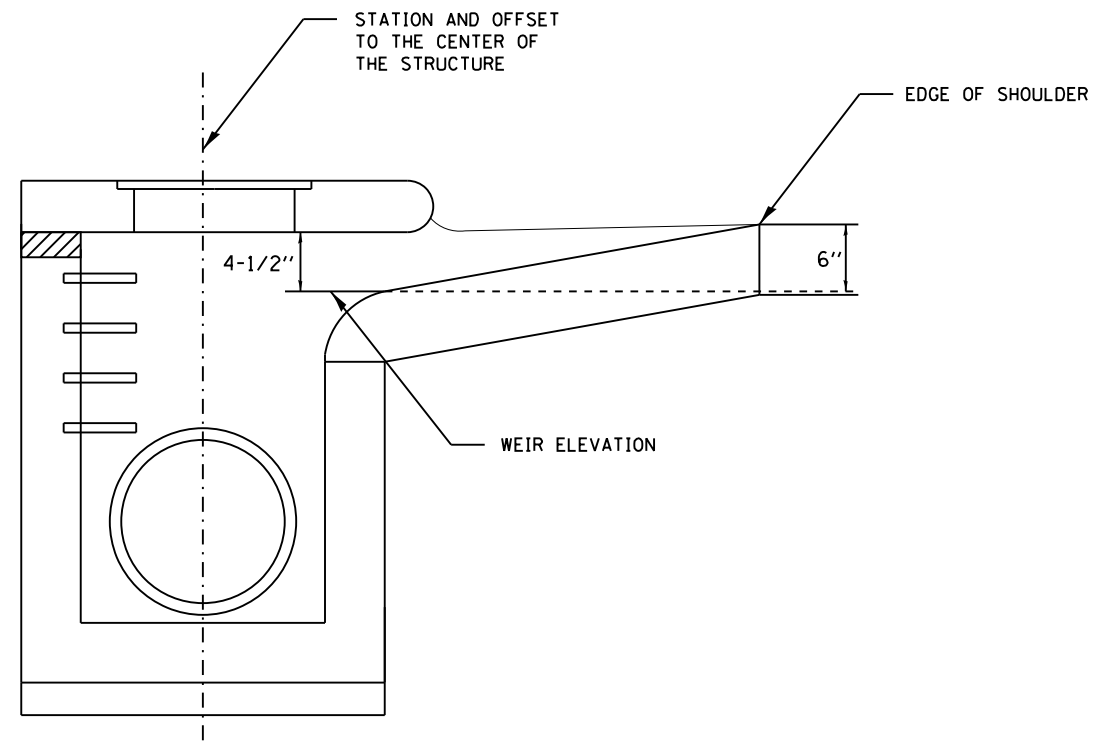
**PLAN VIEW  
INLETS, SPECIAL NO. 5**



**ELEVATION  
CONCRETE END SECTION**



**SECTION  
MANHOLE IN PAVEMENT**



**SECTION  
INLETS, SPECIAL NO. 5**

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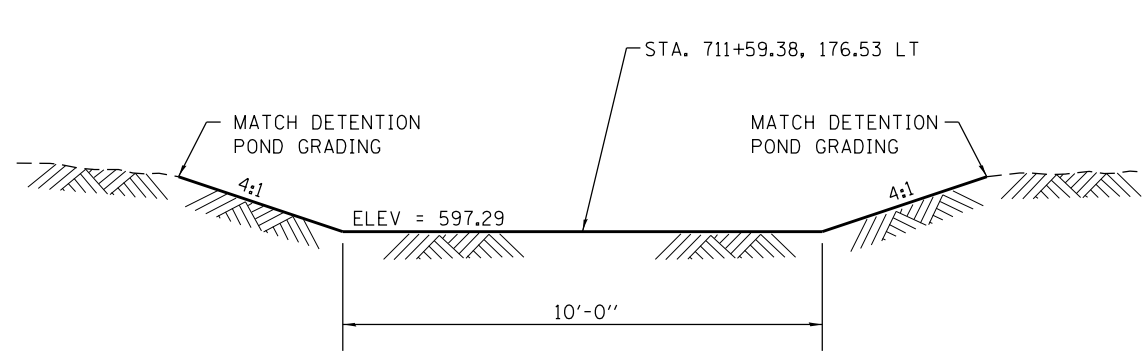
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

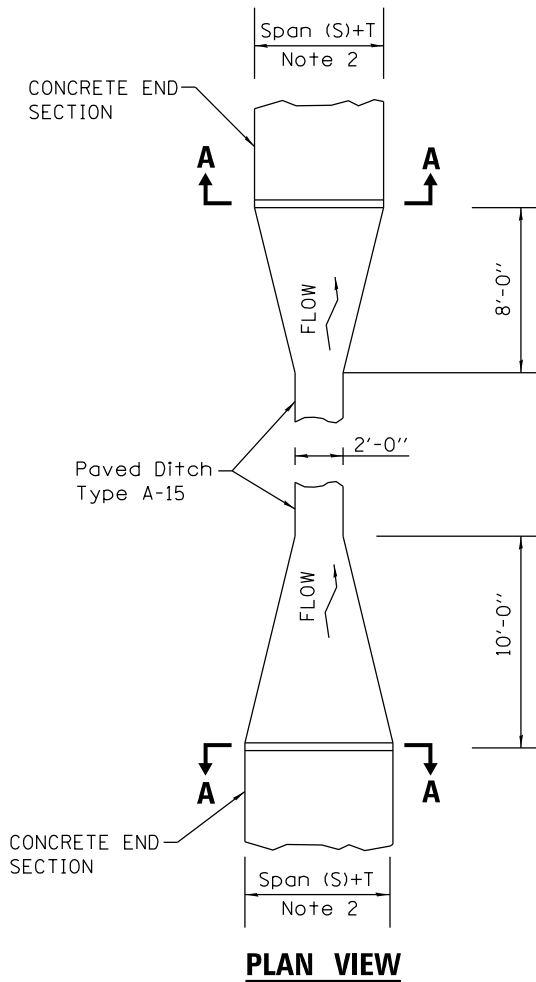
**DRAINAGE DETAILS  
STATION AND OFFSET LABELING DETAILS**

SCALE: SHEET 4 OF 7 SHEETS STA. TO STA.

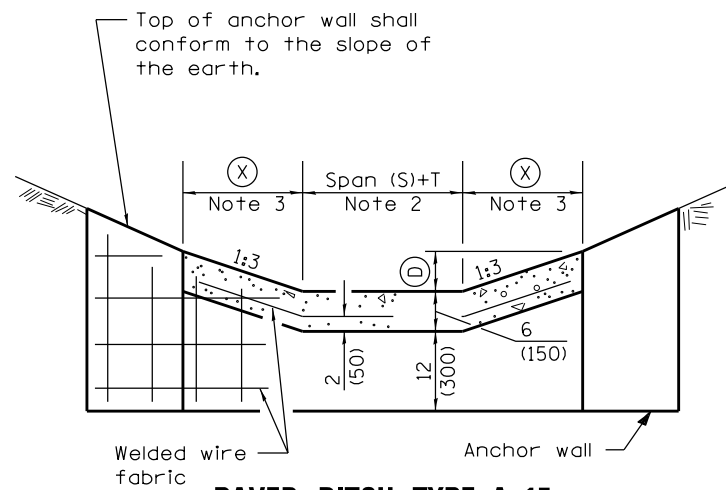
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	133
CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



**DETENTION POND OVERFLOW WEIR**  
**TYPICAL SECTION**  
 STA. 711 + 59.38, 176.53 LT



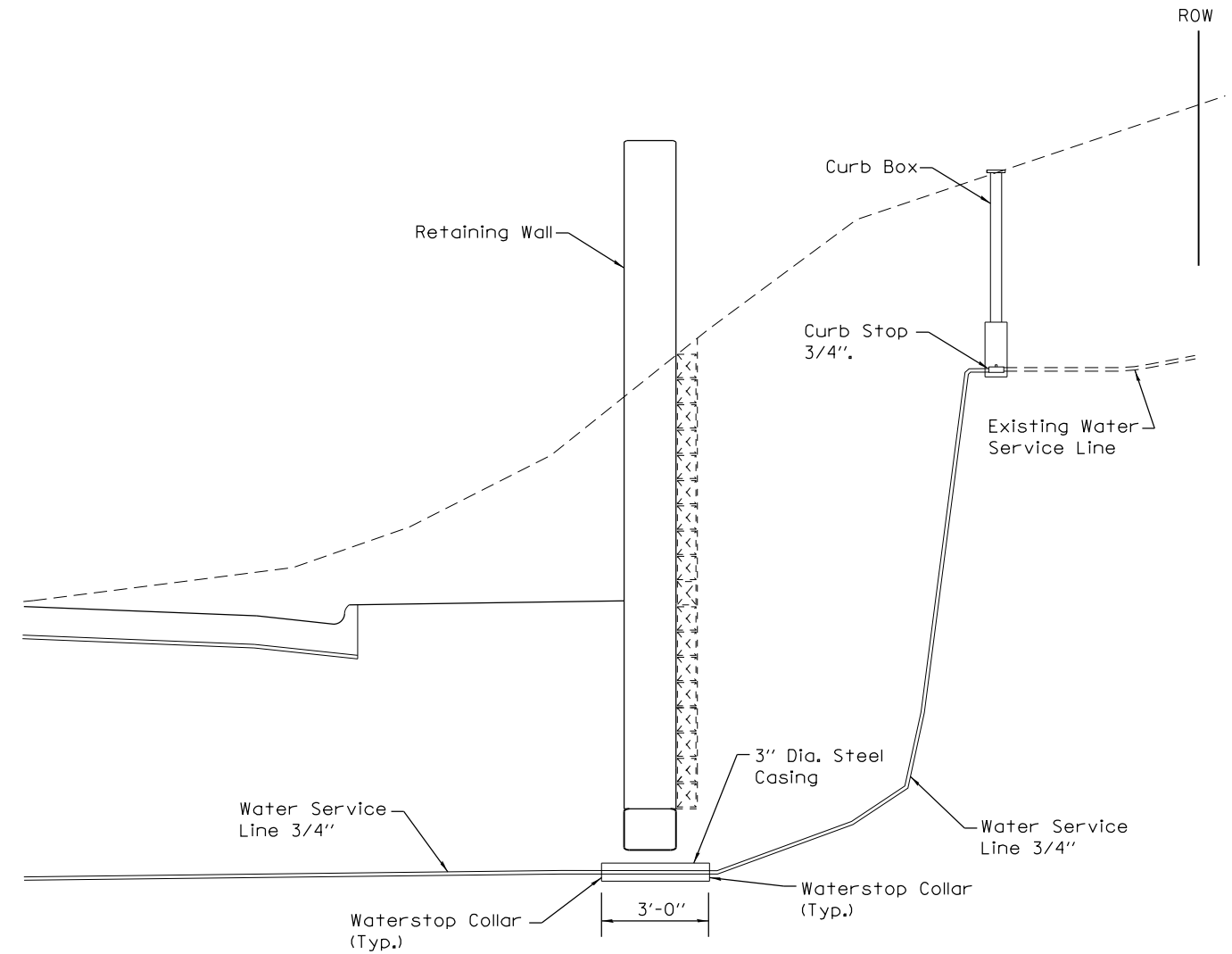
**PLAN VIEW**



**PAVED DITCH TYPE A-15**  
**SECTION A-A**

- Notes:
1. Except as noted herein Paved Ditch shall be constructed in accordance with Standard 606401.
  2. Per Standard 542001-04
  3. Dimensions in accordance with Standard 606401
  4. Paved ditch transitions will be paid for as Paved Ditch Type A-15.

**PAVED DITCH TRANSITION DETAIL**



**Notes:**

1. Except as noted herein Water Service Line, 3/4" shall be constructed in accordance with Section 562 of the Standard Specifications.
2. Water Service Line, 3/4" shall be connected to existing water service lines at the curb stop.
3. 3" diameter steel casing, curb stop, curb box, and waterstop collars shall be included in the cost of Water Service Line, 3/4".
4. 3" diameter steel casing shall meet the requirements of Section 1006.05(d) of the Standard Specifications.
5. 3" diameter steel casing shall be cast-in-place.
6. Waterstop Collar shall be cast integrally with the steel casing or fully welded to it around the pipe circumference.

**WATER SERVICE LINE DETAIL**

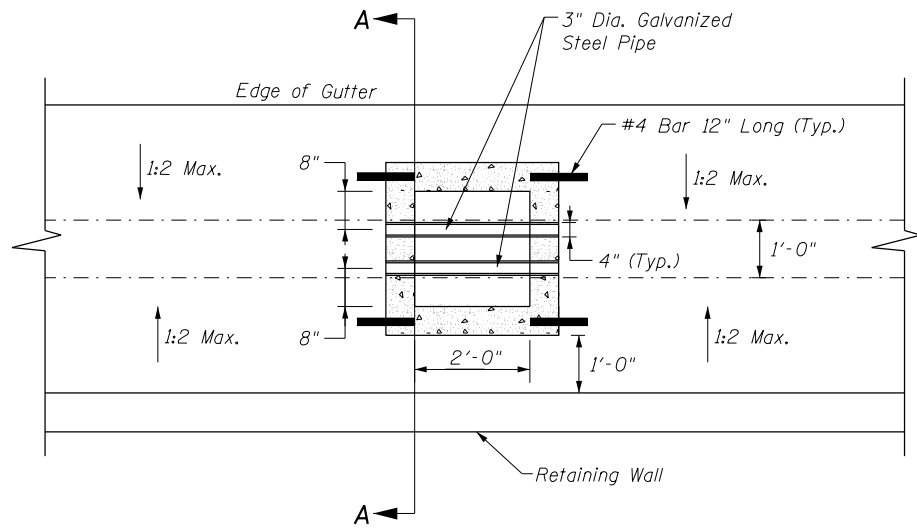
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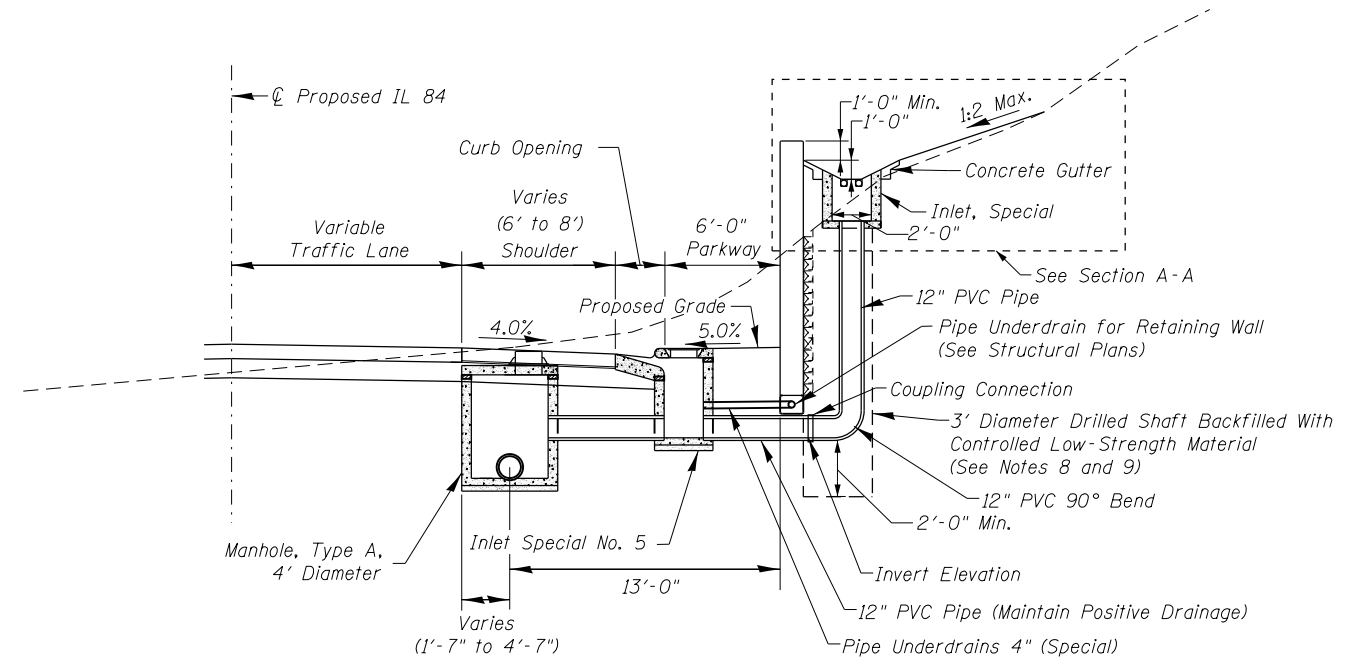
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>DRAINAGE DETAILS</b>			
<b>OVERFLOW WEIR TYPICAL SECTION</b>			
<b>WATER SERVICE LINE DETAIL, PAVED DITCH TRANSITION DETAIL</b>			
SCALE:	SHEET 5	OF 7 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	134
CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



**PLAN VIEW**

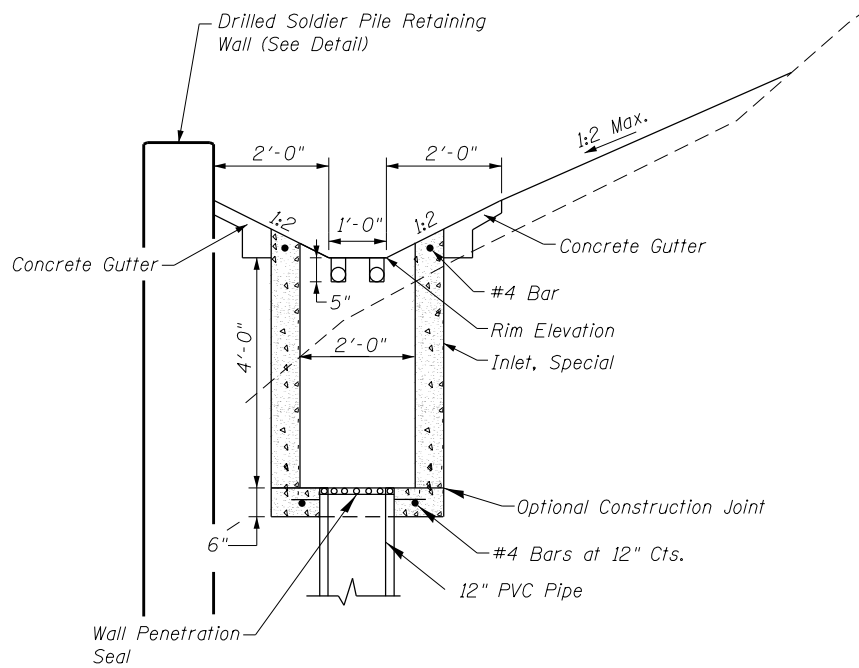


**CROSS SECTION VIEW**

(Through Inlet)

**NOTES:**

- 1) EXCEPT AS NOTED HEREIN INLETS, SPECIAL SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS.
- 2) THE CONTRACT UNIT PRICE "EACH" FOR INLETS, SPECIAL SHALL INCLUDE THE COST OF CONSTRUCTING THE INLET BOX, FURNISHING AND INSTALLING THE 3" DIA. GALVANIZED STEEL PIPE, THE PRECAST FLOOR SLAB, WELDED WIRE FABRIC, REINFORCEMENT BARS, WALL PENETRATION SEAL, DRILLED SHAFT AND CONTROLLED LOW-STRENGTH MATERIAL BACKFILL .
- 3) CLASS SI CONCRETE OR PRECAST CONCRETE SHALL BE USED THROUGHOUT. PRECAST CONCRETE SHALL BE IN ACCORDANCE WITH SECTION 504.01 THRU 504.05 OF THE STANDARD SPECIFICATIONS EXCEPT THAT CONCRETE STRENGTH SHALL BE 27.5 MPa (4,000 PSI) AFTER 28 DAYS.
- 4) REINFORCEMENT BARS SHALL CONFORM TO A.S.T.M. A-53 (TYPE E OR S) GRADE B, SCHEDULE 40, AND SHALL BE GALVANIZED CONFORMING TO A.S.T.M. A-120.
- 5) 12" PVC PIPE SHALL MEET THE REQUIREMENTS OF SECTION 1040.03(a) OF THE STANDARD SPECIFICATIONS.
- 6) THE SIDE WALLS MAY BE BUILT AS PRECAST SEGMENTED SECTIONS.
- 7) ALL VOIDS AROUND PIPE ENTRANCE, BOTH INSIDE AND OUTSIDE, SHALL BE SEALED WITH MORTAR.
- 8) INLETS, SPECIAL HAVE BEEN DESIGNED SO THAT A 3' DIAMETER DRILLED SHAFT WITH TEMPORARY CASING MAY BE USED AS A TEMPORARY SOIL RETENTION SYSTEM DURING INSTALLATION OF THE OUTLET PIPE. ALTERNATIVE METHODS OF INSTALLATION, IF DESIRED BY THE CONTRACTOR, MUST BE APPROVED BY THE ENGINEER. THE COST OF THE TEMPORARY SOIL RETENTION SYSTEM INSTALLATION AND BACKFILL SHALL BE INCLUDED IN THE COST OF INLETS, SPECIAL.
- 9) SHAFT EXCAVATION, TEMPORARY CASING AND CONTROLLED LOW-STRENGTH MATERIAL, IF USED, SHALL MEET THE REQUIREMENTS OF THE APPLICABLE SECTIONS OF THE SPECIAL PROVISION FOR DRILL SOLDIER PILE RETAINING WALL. THE CONTRACTOR SHALL WAIT 24 HOURS (OR UNTIL THE CONCRETE HAS SET) BEFORE DRILLING AN ADJACENT SOLDIER PILE HOLE.
- 10) WALL PENETRATION SEAL SHALL BE USED AT THE CONNECTION POINT BETWEEN THE INLET, SPECIAL AND 12" PVC VERTICAL OUTLET PIPE.



**SECTION A-A**

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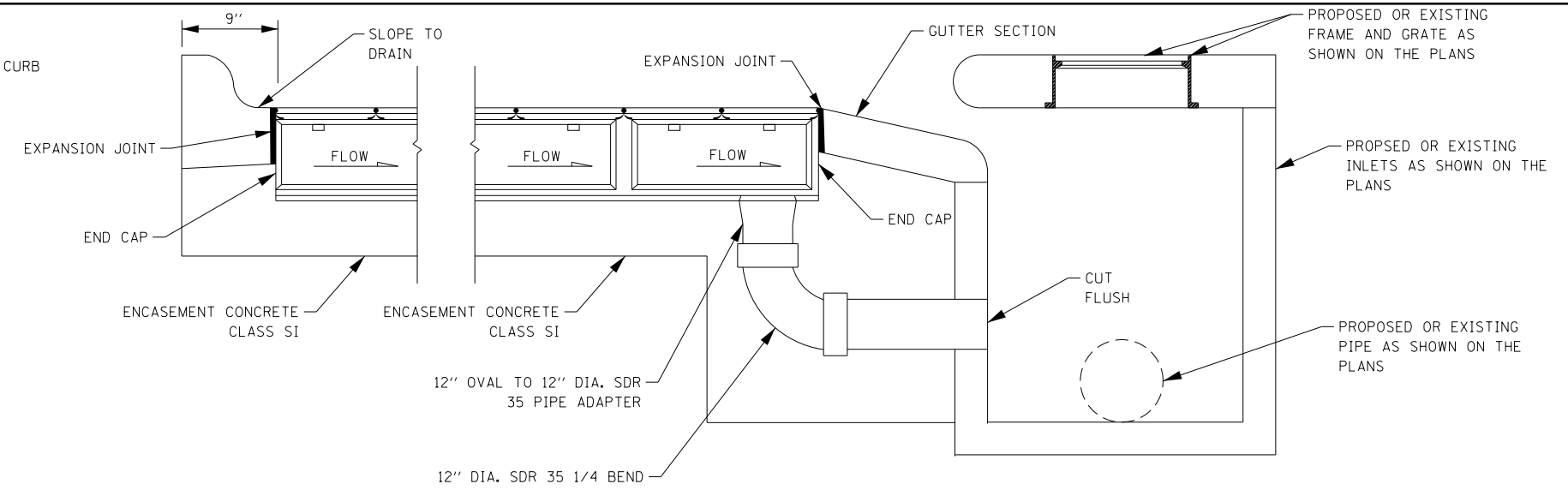
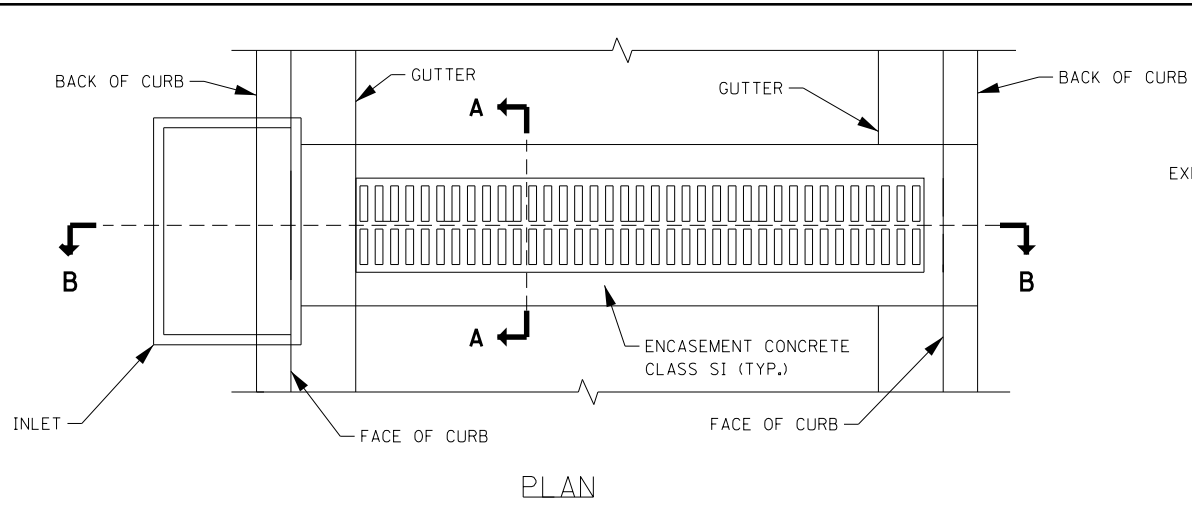
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

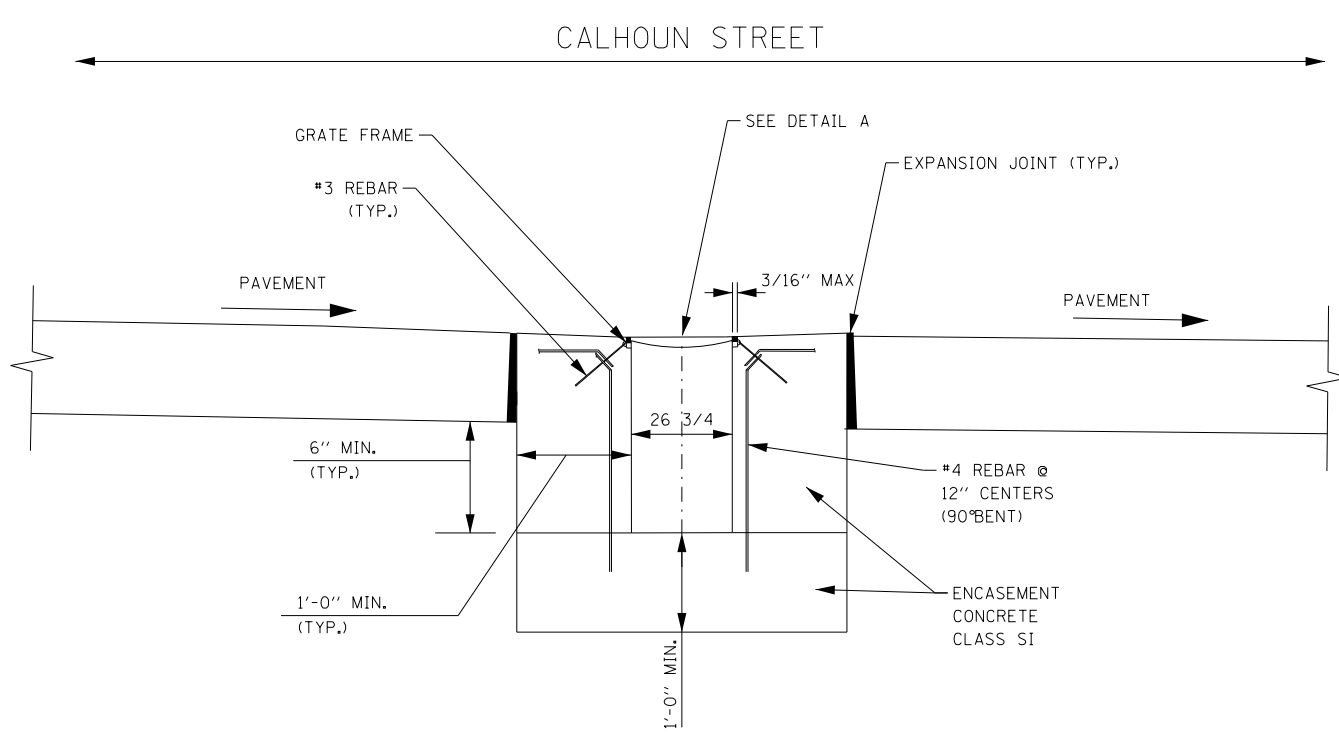
**DRAINAGE DETAILS  
RETAINING WALL INLET DETAIL**

SCALE: SHEET 06 OF 07 SHEETS STA. TO STA.

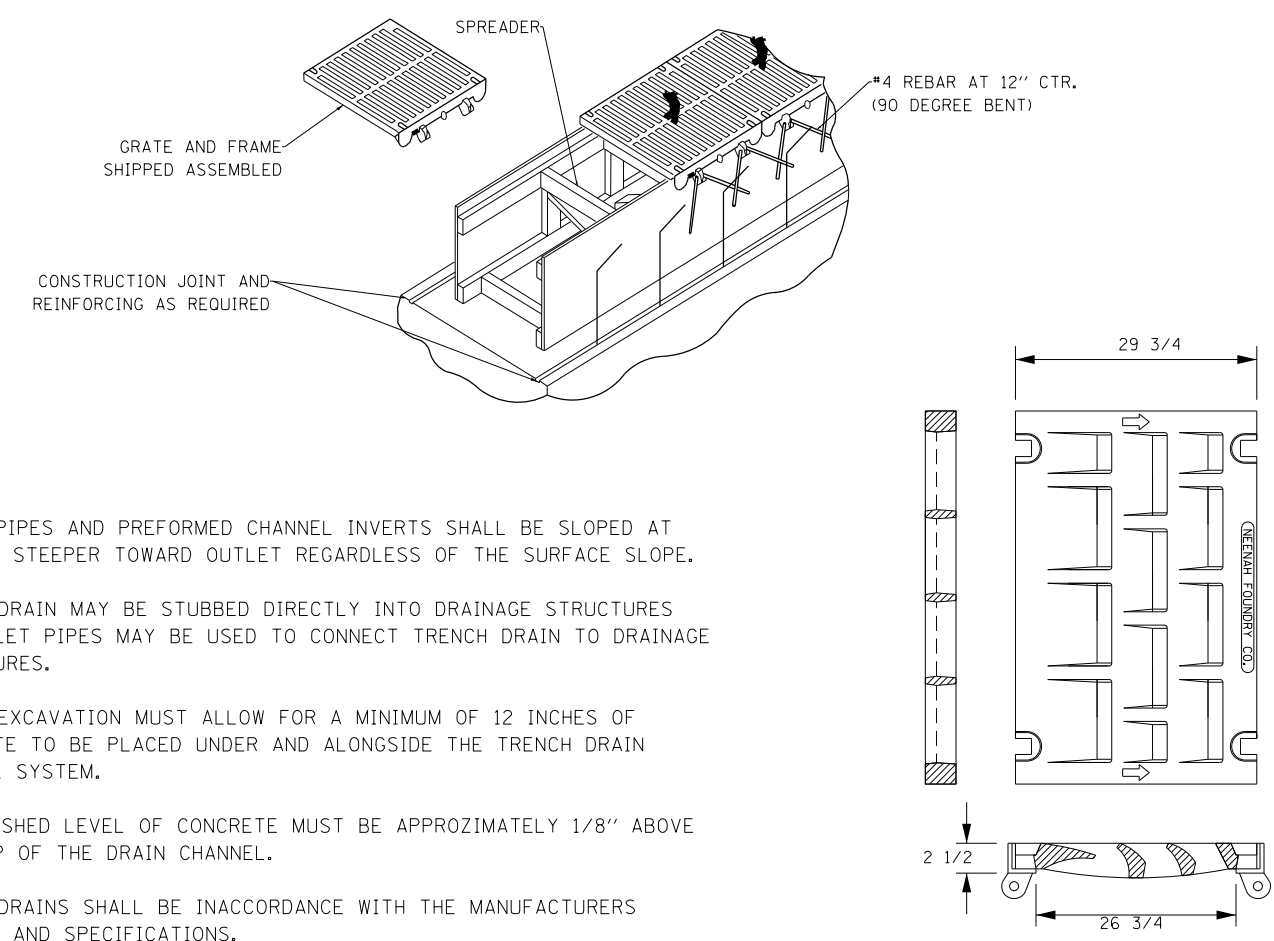
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17	104B-2	CARROLL/JACKSON	528	135
CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



SECTION B-B  
PIPE OUTLET TO DRAINAGE STRUCTURE



SECTION A-A  
DRAIN CHANNEL INSTALLATION



DETAIL A  
NEENAH R-4999 VANED TYPE L SERIES  
TYPE X FRAME  
OR APPROVED EQUAL

- NOTES:
1. OUTLET PIPES AND PREFORMED CHANNEL INVERTS SHALL BE SLOPED AT 0.6% OR STEEPER TOWARD OUTLET REGARDLESS OF THE SURFACE SLOPE.
  2. TRENCH DRAIN MAY BE STUBBED DIRECTLY INTO DRAINAGE STRUCTURES OR OUTLET PIPES MAY BE USED TO CONNECT TRENCH DRAIN TO DRAINAGE STRUCTURES.
  3. TRENCH EXCAVATION MUST ALLOW FOR A MINIMUM OF 12 INCHES OF CONCRETE TO BE PLACED UNDER AND ALONGSIDE THE TRENCH DRAIN CHANNEL SYSTEM.
  4. THE FINISHED LEVEL OF CONCRETE MUST BE APPROXIMATELY 1/8" ABOVE THE TOP OF THE DRAIN CHANNEL.
  5. TRENCH DRAINS SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS DETAILS AND SPECIFICATIONS.
  6. PROVIDE 1" EXPANSION JOINT WITH PREFORMED JOINT FILLER BETWEEN SIDE ROAD PAVEMENT AND TRENCH DRAIN ENCASEMENT.
  7. ALL SLOPES ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL PLACEMENT (V:H)

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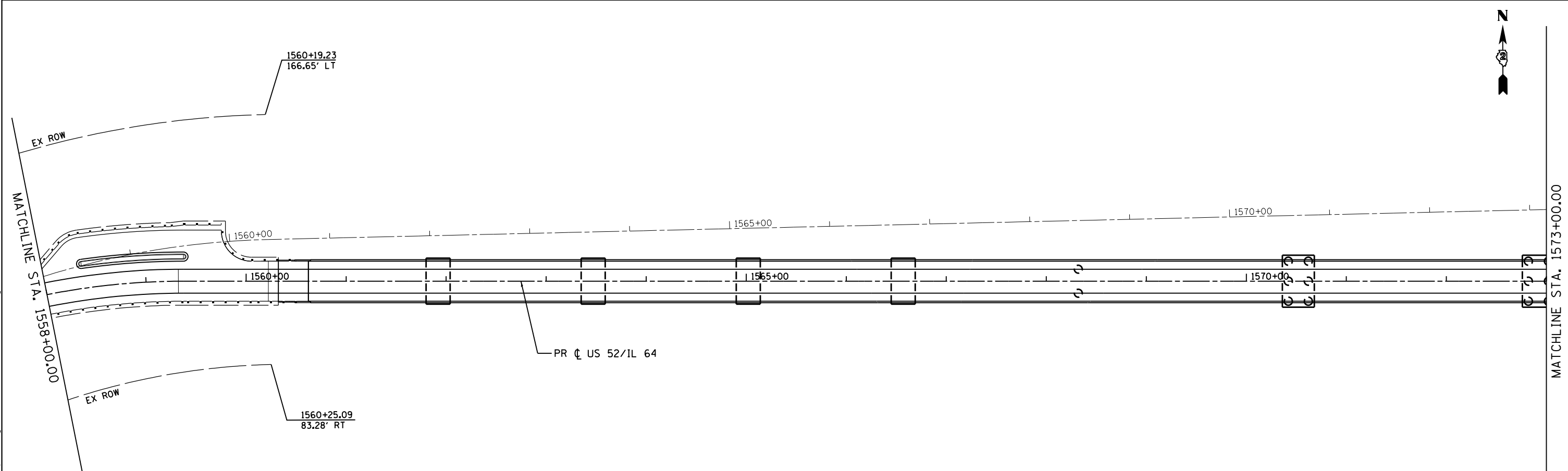
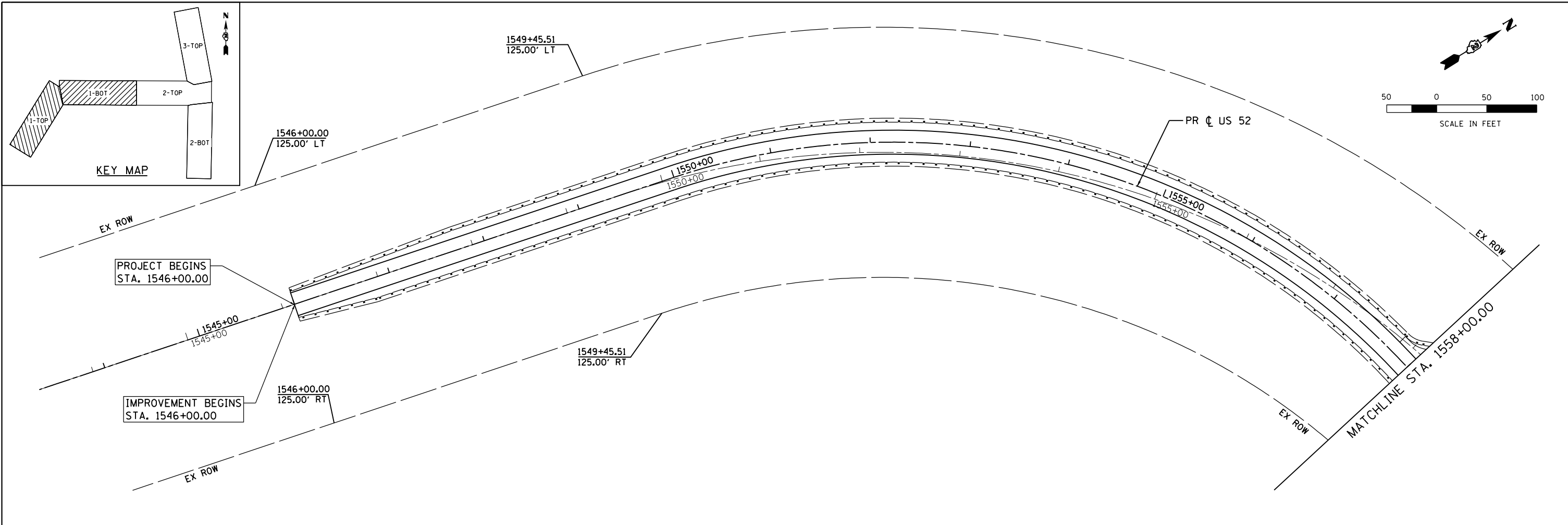
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PLOT DATE = 3/20/2015	DATE - 03-12-2015	REVISED -

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DEPARTMENT OF TRANSPORTATION

DRAINAGE DETAILS  
TRENCH DRAIN DETAIL

SCALE: SHEET 7 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	136
CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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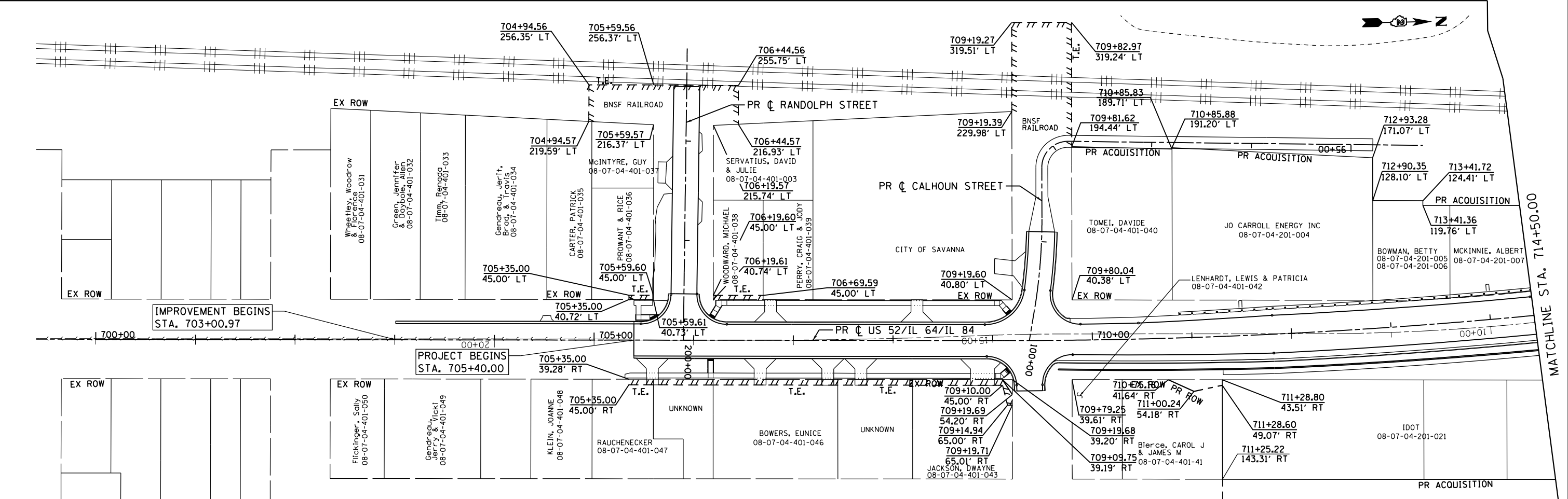
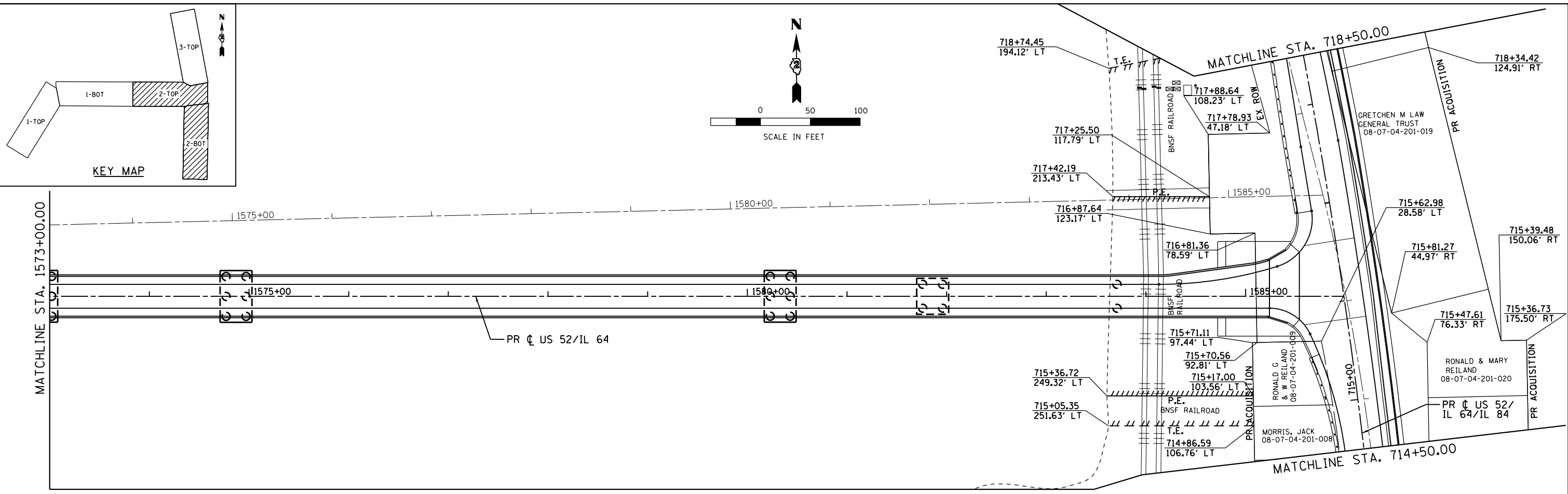
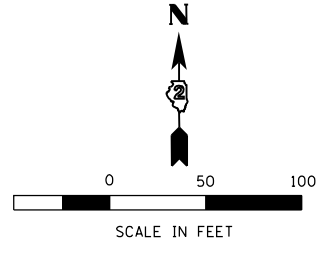
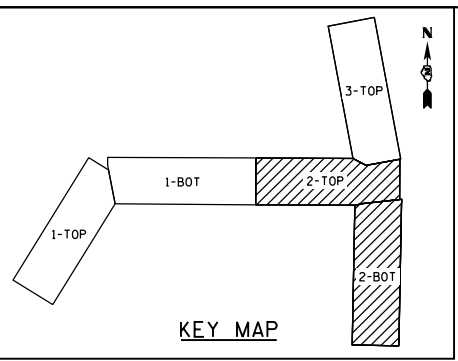
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**R.O.W. PLANS  
US 52 /IL 64**

SCALE: 1" = 50'    SHEET 1    OF 3    SHEETS    STA. 1544+00    TO STA. 1573+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	137
CONTRACT NO. 64G59				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				



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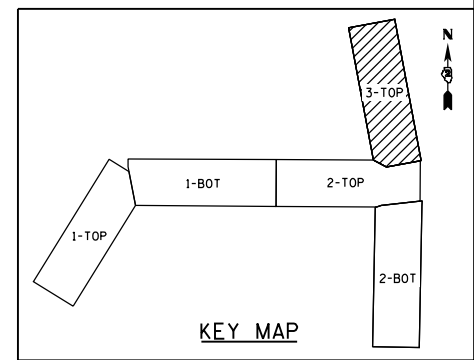
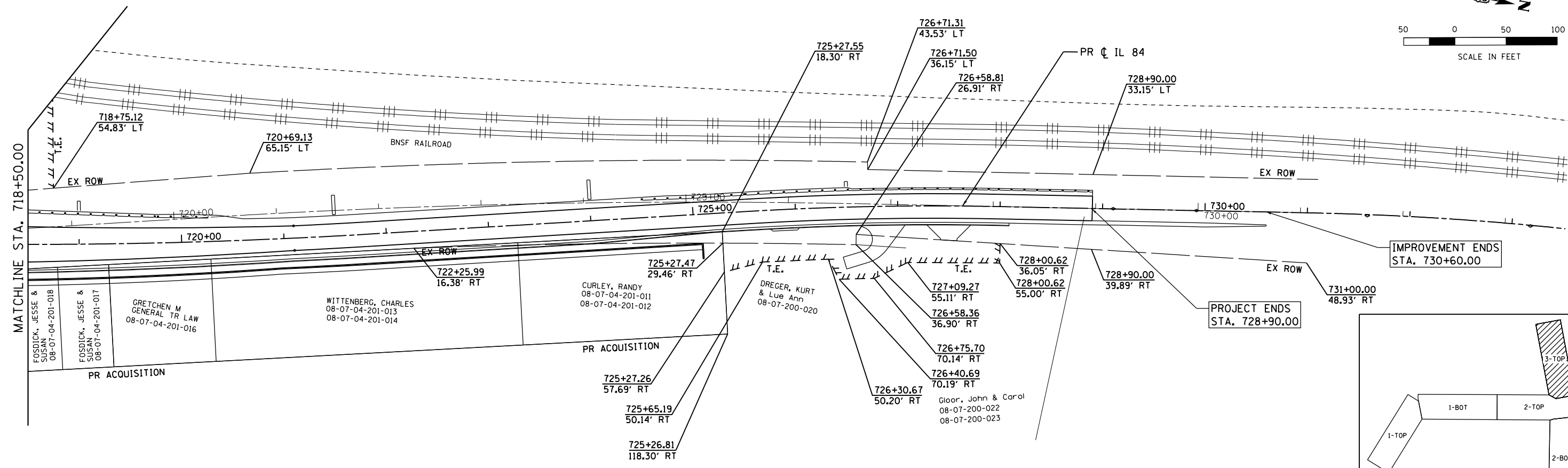
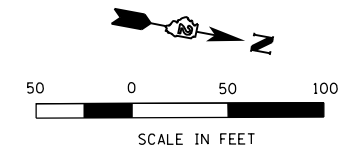
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**R.O.W. PLANS  
US 52 / IL 64 AND IL 84**

SCALE: 1" = 50'    SHEET 2 OF 3 SHEETS    STA. 705+40 TO STA. 718+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	138
CONTRACT NO. 64G59				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				



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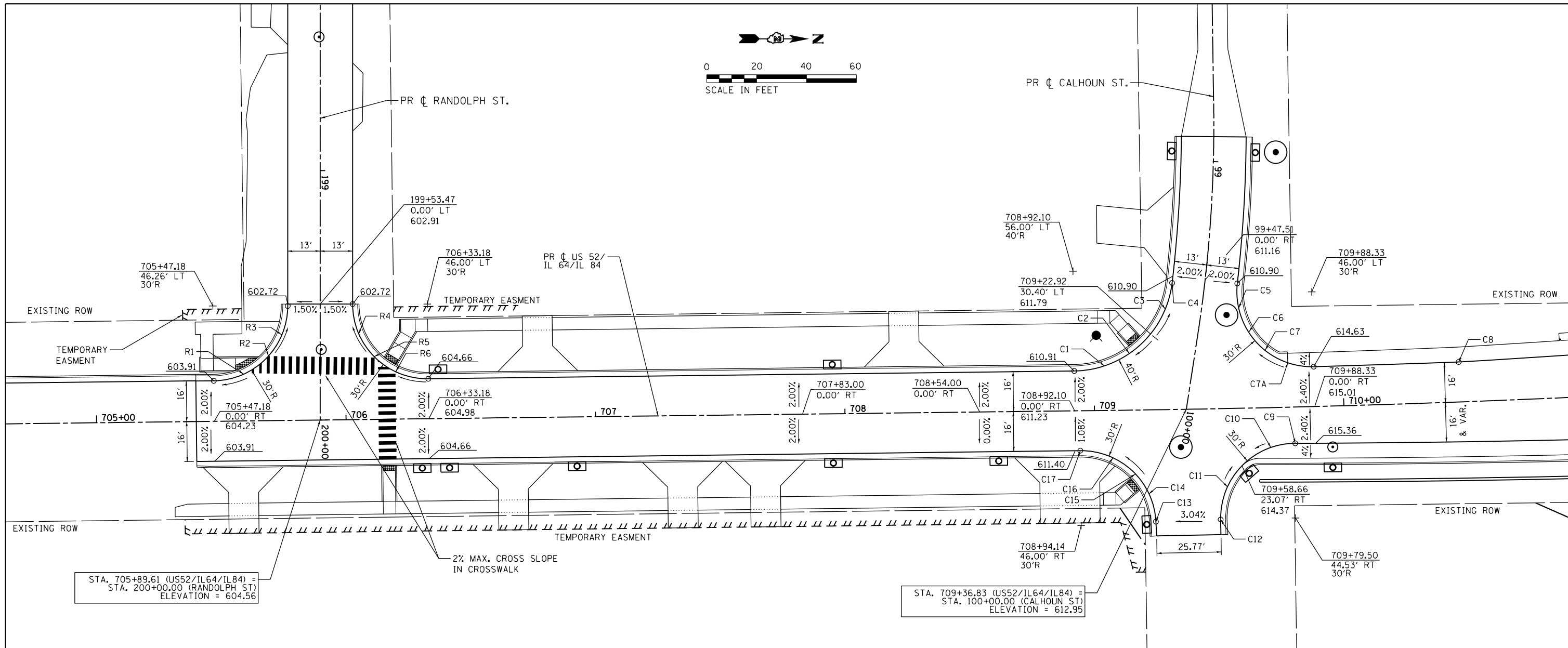
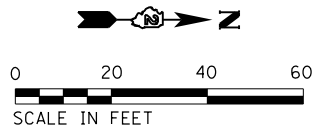
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**R.O.W. PLANS  
IL 84**

SCALE: 1" = 50'    SHEET 3    OF 3    SHEETS    STA. 718+50    TO STA. 730+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	139
CONTRACT NO. 64G59				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				



STA. 705+89.61 (US52/IL64/IL84) =  
 STA. 200+00.00 (RANDOLPH ST)  
 ELEVATION = 604.56

STA. 709+36.83 (US52/IL64/IL84) =  
 STA. 100+00.00 (CALHOUN ST)  
 ELEVATION = 612.95

POINT	PR $\phi$ US 52/ IL 64/IL 84		PR $\phi$ RANDOLPH ST		ELEV
	STATION	OFFSET	STATION	OFFSET	
R1	705+59.20	18.77' LT	199+81.60	30.64' RT	603.94
R2	705+69.21	25.90' LT	199+74.35	20.75' RT	603.66
R3	705+74.64	34.34' LT	199+65.84	15.39' RT	603.44
R4	706+05.53	34.37' LT	199+65.44	15.49' LT	603.42
R5	706+11.58	25.18' LT	199+74.56	21.66' LT	604.30
R6	706+20.19	19.07' LT	199+80.56	30.34' LT	604.46

NOTES:  
 1. FOR SUPERELEVATION TRANSITION DETAILS,  
 SEE DISTRICT 2 DETAIL SHEETS (DETAIL 45.2)

POINT	PR $\phi$ US 52/ IL 64/IL 84		ELEV
	STATION	OFFSET	
C1	709+04.18	17.87' LT	611.30
C2	709+14.30	22.72' LT	611.50
C3	709+29.06	40.30' LT	611.38
C4	709+31.96	50.77' LT	611.00
C5	709+58.69	40.22' LT	611.80
C6	709+62.64	30.62' LT	612.87
C7	709+68.98	23.05' LT	613.50
C7A	709+77.94	17.84' LT	614.12
C8	710+46.64	16.00' LT	616.96
C9	709+80.16	14.53' RT	615.03
C10	709+70.34	15.97' RT	614.68
C11	709+52.76	31.44' RT	614.98
C12	709+49.74	44.43' RT	615.77
C13	709+24.00	44.85' RT	614.98
C14	709+21.39	33.69' RT	613.75
C15	709+16.16	25.66' RT	613.17
C16	709+07.23	19.02' RT	612.26
C17	708+94.14	16.00' RT	611.48

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION LAYOUT DETAILS**

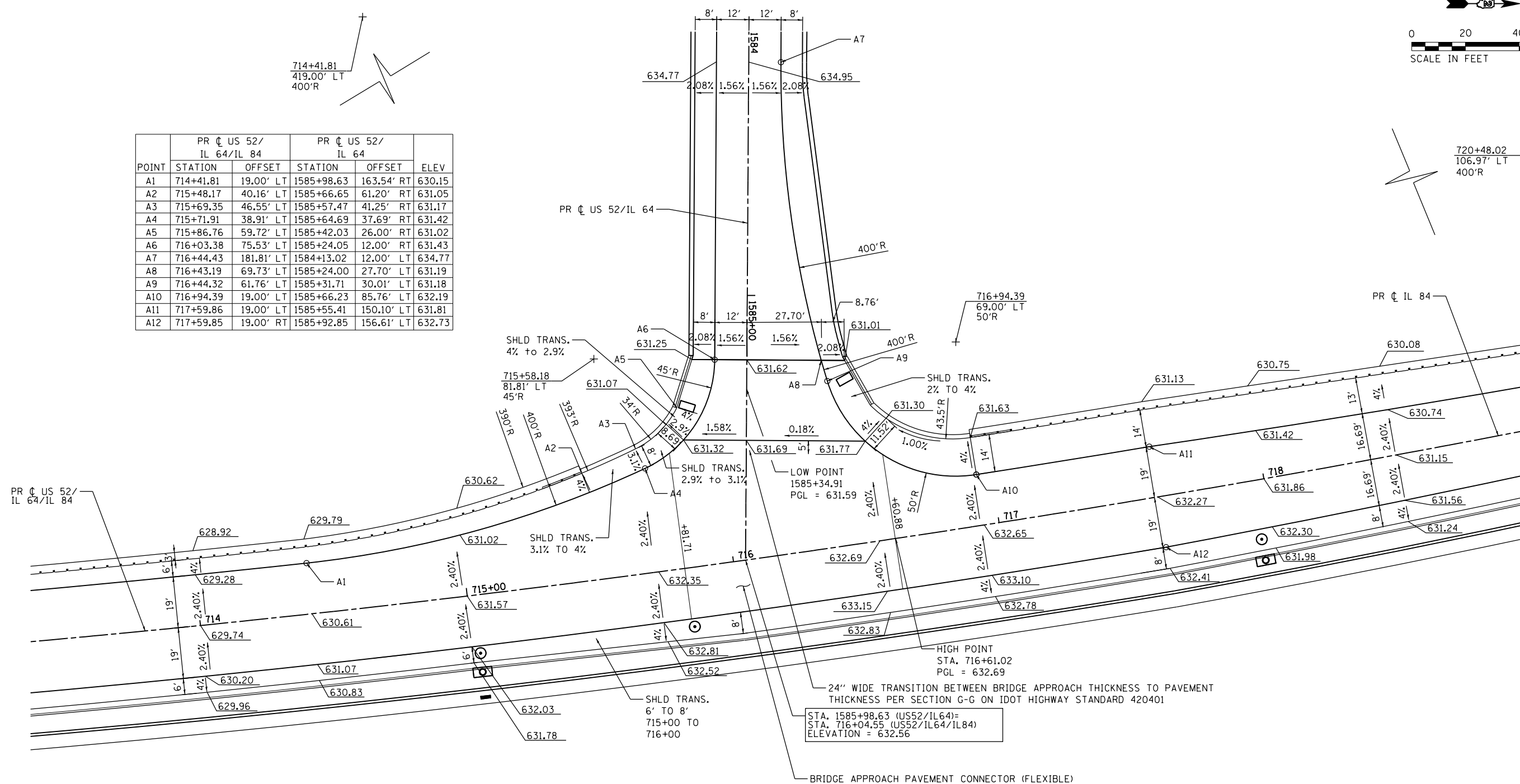
SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	140
CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				





POINT	PR $\oslash$ US 52/ IL 64/IL 84		PR $\oslash$ US 52/ IL 64		ELEV
	STATION	OFFSET	STATION	OFFSET	
A1	714+41.81	19.00' LT	1585+98.63	163.54' RT	630.15
A2	715+48.17	40.16' LT	1585+66.65	61.20' RT	631.05
A3	715+69.35	46.55' LT	1585+57.47	41.25' RT	631.17
A4	715+71.91	38.91' LT	1585+64.69	37.69' RT	631.42
A5	715+86.76	59.72' LT	1585+42.03	26.00' RT	631.02
A6	716+03.38	75.53' LT	1585+24.05	12.00' RT	631.43
A7	716+44.43	181.81' LT	1584+13.02	12.00' LT	634.77
A8	716+43.19	69.73' LT	1585+24.00	27.70' LT	631.19
A9	716+44.32	61.76' LT	1585+31.71	30.01' LT	631.18
A10	716+94.39	19.00' LT	1585+66.23	85.76' LT	632.19
A11	717+59.86	19.00' LT	1585+55.41	150.10' LT	631.81
A12	717+59.85	19.00' RT	1585+92.85	156.61' LT	632.73



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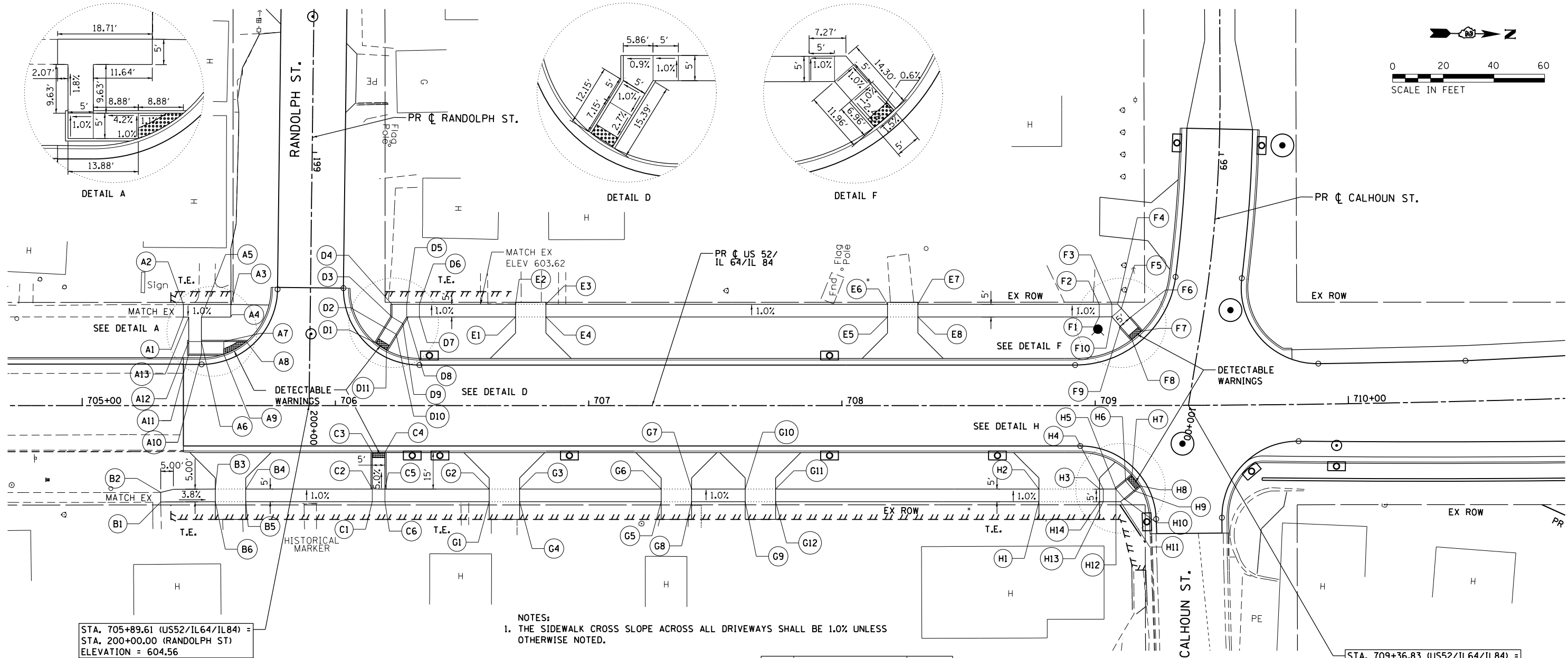
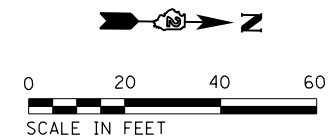
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DRAWN - JB	REVISOR -	
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PLOT DATE = 3/20/2015	DATE - 03-12-2015	REVISOR -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION LAYOUT DETAILS**

SCALE: 1" = 20'    SHEET 2 OF 2 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	141
CONTRACT NO. 64G59				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				



STA. 705+89.61 (US52/IL64/IL84) =  
STA. 200+00.00 (RANDOLPH ST)  
ELEVATION = 604.56

NOTES:  
1. THE SIDEWALK CROSS SLOPE ACROSS ALL DRIVEWAYS SHALL BE 1.0% UNLESS OTHERWISE NOTED.

STA. 709+36.83 (US52/IL64/IL84) =  
STA. 100+00.00 (CALHOUN ST)  
ELEVATION = 612.95

PR C US 52/ IL 64/IL 84			
POINT	STATION	OFFSET	ELEV
A1	705+40.00	34.92 LT	603.14
A2	705+40.00	39.92 LT	603.21
A3	705+58.71	39.89 LT	603.19
A4	705+58.71	34.92 LT	603.14
A5	705+47.07	34.92 LT	603.15
A6	705+47.07	25.29 LT	603.37
A7	705+55.95	25.29 LT	603.74
A8	705+64.83	25.29 LT	603.64
A9	705+55.95	20.29 LT	603.79
A10	705+47.07	20.29 LT	603.42
A11	705+42.07	20.29 LT	603.37
A12	705+42.07	25.29 LT	603.32
A13	705+42.07	34.92 LT	603.15

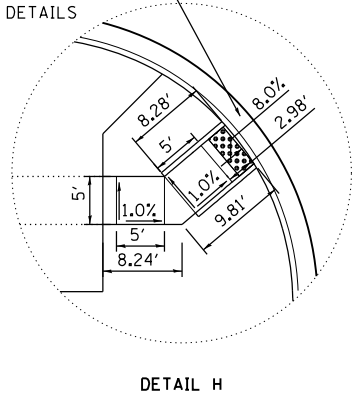
PR C US 52/ IL 64/IL 84			
POINT	STATION	OFFSET	ELEV
B1	705+31.05	38.09 RT	606.52
B2	705+31.05	34.32 RT	606.47
B3	705+52.58	33.00 RT	605.65
B4	705+64.58	33.00 RT	605.75
B5	705+64.58	38.00 RT	605.80
B6	705+52.58	38.00 RT	605.70
C1	706+14.53	38.00 RT	605.18
C2	706+14.53	33.00 RT	605.13
C3	706+14.53	18.50 RT	604.40
C4	706+19.53	18.50 RT	604.45
C5	706+19.53	33.00 RT	605.18
C6	706+19.53	38.00 RT	605.23

PR C US 52/ IL 64/IL 84			
POINT	STATION	OFFSET	ELEV
D1	706+15.99	24.64 LT	604.31
D2	706+19.72	30.73 LT	604.50
D3	706+22.33	35.00 LT	604.55
D4	706+22.33	40.00 LT	604.50
D5	706+28.19	40.00 LT	604.56
D6	706+33.19	40.00 LT	604.61
D7	706+33.19	35.00 LT	604.66
D8	706+28.19	35.00 LT	604.61
D9	706+26.60	32.39 LT	604.60
D10	706+23.99	28.13 LT	604.55
D11	706+20.16	21.87 LT	604.36
E1	706+71.11	35.00 LT	603.81
E2	706+71.11	40.00 LT	603.76
E3	706+83.11	40.00 LT	603.94
E4	706+83.11	35.00 LT	603.99
E5	708+18.01	35.00 LT	607.61
E6	708+18.01	40.00 LT	607.56
E7	708+30.01	40.00 LT	607.92
E8	708+30.01	35.00 LT	607.97

PR C US 52/ IL 64/IL 84			
POINT	STATION	OFFSET	ELEV
F1	709+01.62	35.01 LT	611.63
F2	709+01.61	40.01 LT	611.58
F3	709+06.61	40.03 LT	611.63
F4	709+08.88	40.04 LT	611.63
F5	709+10.38	38.34 LT	611.63
F6	709+13.70	34.58 LT	611.68
F7	709+18.38	29.32 LT	611.64
F8	709+14.56	26.06 LT	611.56
F9	709+09.93	31.28 LT	611.73
F10	709+06.62	35.03 LT	611.68
G1	706+60.71	38.00 RT	606.17
G2	706+60.71	33.00 RT	606.12
G3	706+72.71	33.00 RT	606.30
G4	706+72.71	38.00 RT	606.35
G5	707+28.63	38.00 RT	607.95
G6	707+28.63	33.00 RT	607.90
G7	707+40.63	33.00 RT	608.16
G8	707+40.63	38.00 RT	608.21
G9	707+61.80	38.00 RT	608.79
G10	707+61.80	33.00 RT	608.74
G11	707+73.80	33.00 RT	609.04
G12	707+73.80	38.00 RT	609.09

PR C US 52/ IL 64/IL 84			
POINT	STATION	OFFSET	ELEV
H1	708+77.77	38.00 RT	612.77
H2	708+77.77	33.00 RT	612.72
H3	709+01.77	33.00 RT	613.48
H4	709+03.19	33.00 RT	613.45
H5	709+08.19	33.00 RT	613.40
H6	709+12.00	29.77 RT	613.35
H7	709+14.50	27.66 RT	613.11
H8	709+17.47	31.68 RT	613.16
H9	709+15.20	33.59 RT	613.40
H10	709+11.41	36.82 RT	613.45
H11	709+10.01	38.00 RT	613.45
H12	709+08.19	38.00 RT	613.45
H13	709+03.19	38.00 RT	613.50
H14	709+01.77	38.00 RT	613.53

GUTTER SLOPE TO VARY TO  
MATCH EDGE OF PAVEMENT  
ELEVATIONS SHOWN ON  
INTERSECTION DETAILS



DETAIL H

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

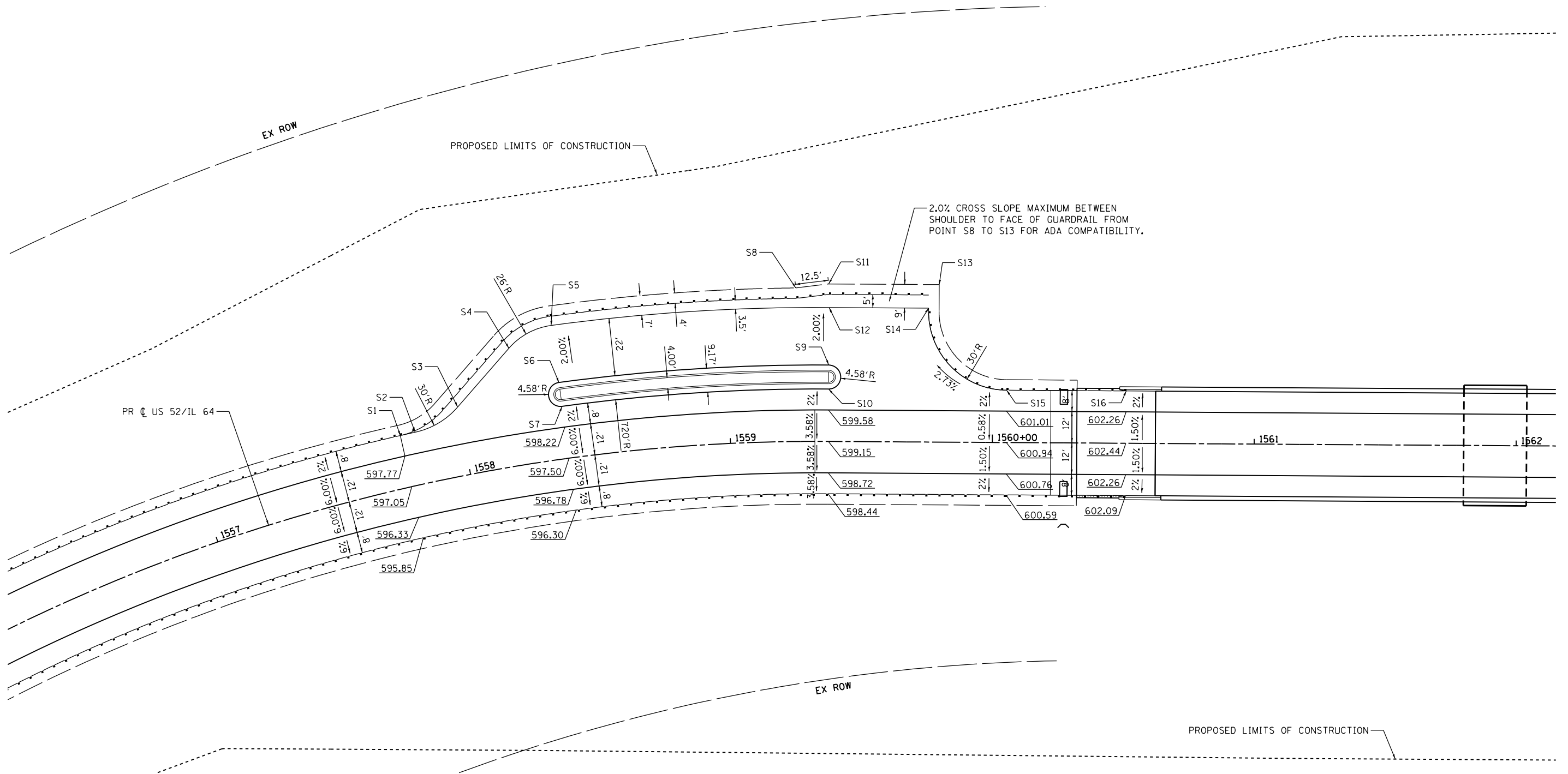
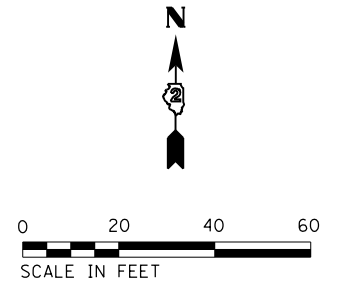
**SIDEWALK DETAILS**

SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	142
CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

POINT	STATION	OFFSET	ELEV
S1	1557+77.06	20.00' LT	597.61
S2	1557+82.71	20.00' LT	597.63
S3	1557+99.99	26.16' LT	597.19
S4	1558+22.04	44.92' LT	597.62
S5	1558+38.14	51.17' LT	597.44
S6	1558+38.14	29.17' LT	597.88
S7	1558+38.14	20.00' LT	598.06
S8	1559+25.58	58.67' LT	598.35

POINT	STATION	OFFSET	ELEV
S9	1559+37.38	29.17' LT	599.24
S10	1559+37.38	20.00' LT	599.42
S11	1559+37.15	60.17' LT	598.54
S12	1559+37.38	51.17' LT	598.80
S13	1559+79.35	60.17' LT	599.27
S14	1559+75.35	51.17' LT	599.53
S15	1560+05.35	20.00' LT	600.85
S16	1560+51.00	20.00' LT	602.09



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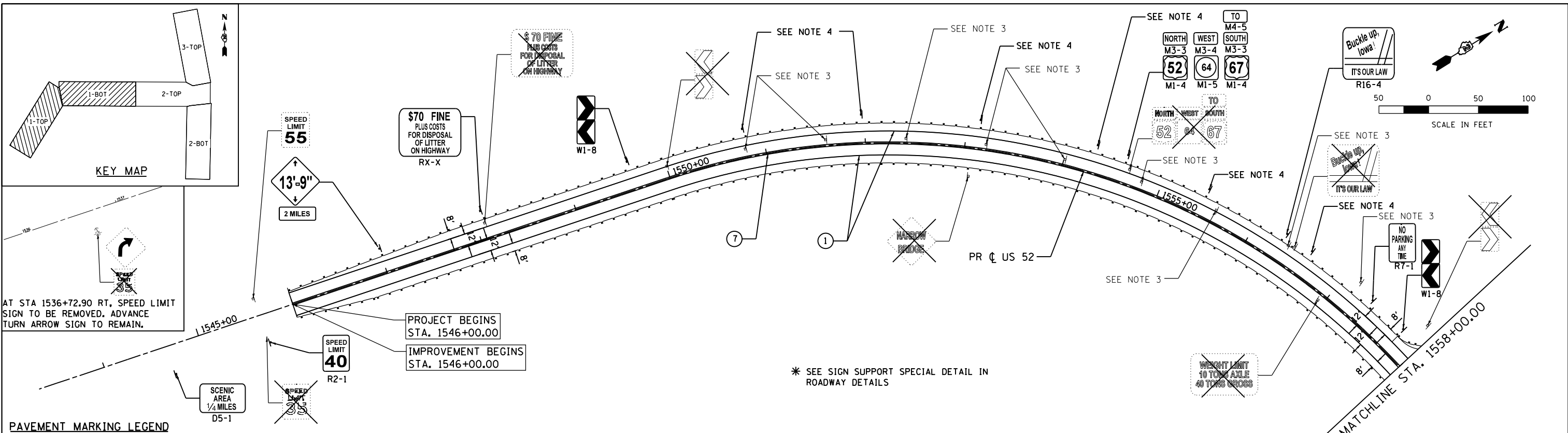
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PLOT DATE = 3/20/2015	DATE - 03-12-2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCENIC OVERLOOK DETAIL**

SCALE: 1" = 20'    SHEET 1    OF 1    SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	143
CONTRACT NO. 64G59				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				



AT STA 1536+72.90 RT, SPEED LIMIT SIGN TO BE REMOVED. ADVANCE TURN ARROW SIGN TO REMAIN.

PROJECT BEGINS STA. 1546+00.00  
IMPROVEMENT BEGINS STA. 1546+00.00

\* SEE SIGN SUPPORT SPECIAL DETAIL IN ROADWAY DETAILS

**PAVEMENT MARKING LEGEND**

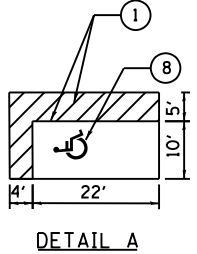
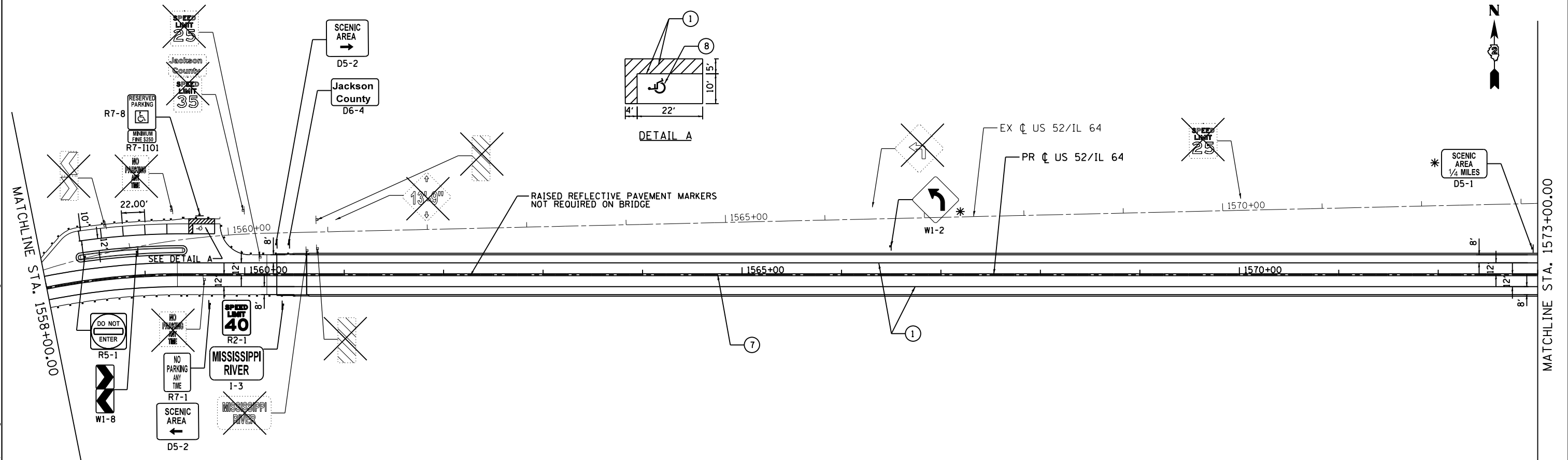
- ① POLYUREA PM T1 - LINE 4" WHITE
- ② POLYUREA PM T1 - LINE 12" WHITE
- ③ POLYUREA PM T1 - LINE 8" WHITE
- ④ POLYUREA PM T1 - LINE 24" WHITE
- ⑤ POLYUREA PM T1 - LINE 4" YELLOW-SKIP DASH
- ⑥ POLYUREA PM T1 - LINE 12" YELLOW
- ⑦ POLYUREA PM T1 - DOUBLE LINE 4" YELLOW
- ⑧ POLYUREA PM T1 LTR-SY
- ◆ RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER)
- ◁ RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL)
- ◄ RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER)

**SIGNING LEGEND**

- ⊥ EXISTING GROUND SIGN
- ⊥ PROPOSED GROUND SIGN
- SIGN EXISTING SIGN TO REMAIN IN PLACE
- ~~SIGN~~ EXISTING SIGN TO BE REMOVED
- SIGN PROPOSED GROUND SIGN

**SIGNING NOTES**

1. SIGNS SHALL BE PLACED AT A LATERAL OFFSET PER MUTCD.
2. FOR CLARITY, RIGHT-OF-WAY AND UTILITIES ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING CONFLICTS BETWEEN ALL UTILITIES AND THE PROPOSED SIGNING PLAN.
3. EXISTING CHEVRON SIGNS TO BE REMOVED.
4. PROPOSED CHEVRON SIGNS TO BE PLACED PER MUTCD.
5. PAVEMENT MARKINGS SHALL BE RECESSED. GROOVING WILL BE PAID FOR SEPARATELY.



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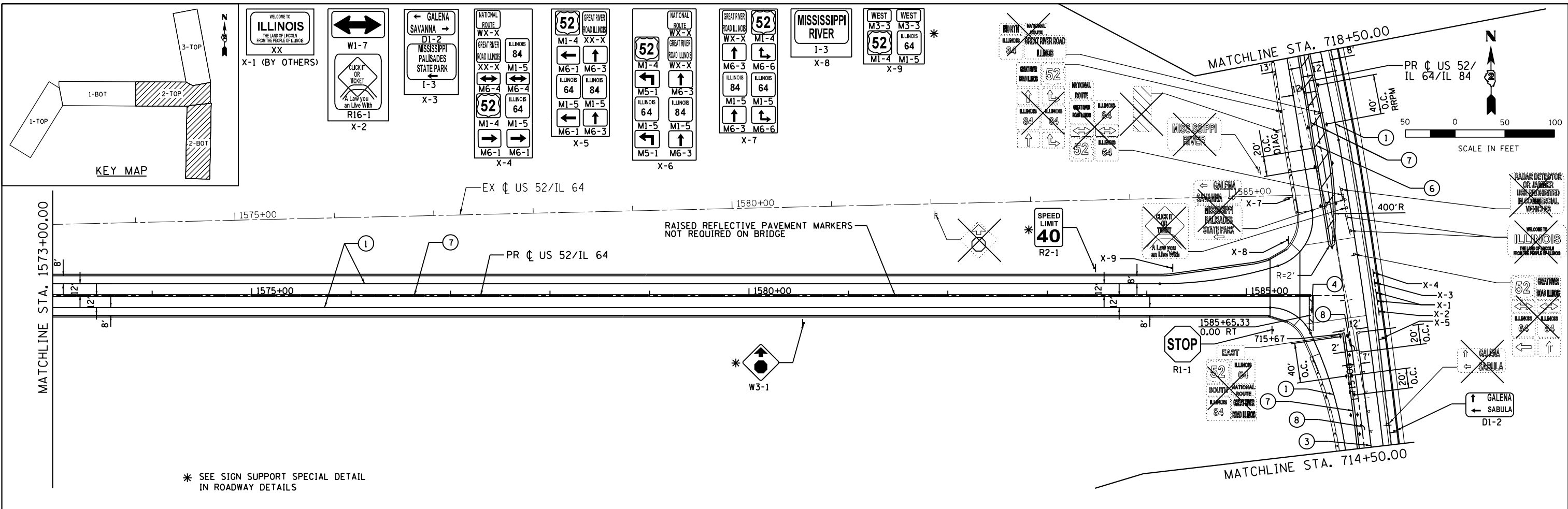
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PLOT DATE = 3/20/2015	DATE - 03-12-2015	REVISOR -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLANS  
US 52 /IL 64**

SCALE: 1" = 50' SHEET 1 OF 3 SHEETS STA. 1544+00 TO STA. 1573+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	144
CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



\* SEE SIGN SUPPORT SPECIAL DETAIL IN ROADWAY DETAILS

**PAVEMENT MARKING LEGEND**

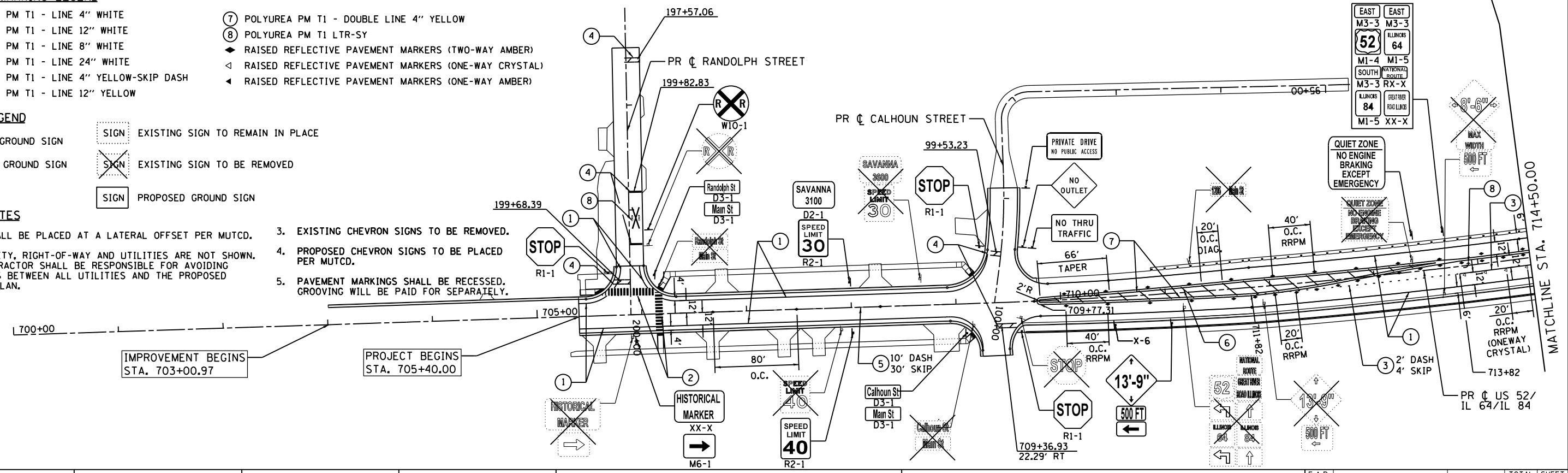
- ① POLYUREA PM T1 - LINE 4" WHITE
- ② POLYUREA PM T1 - LINE 12" WHITE
- ③ POLYUREA PM T1 - LINE 8" WHITE
- ④ POLYUREA PM T1 - LINE 24" WHITE
- ⑤ POLYUREA PM T1 - LINE 4" YELLOW-SKIP DASH
- ⑥ POLYUREA PM T1 - LINE 12" YELLOW
- ⑦ POLYUREA PM T1 - DOUBLE LINE 4" YELLOW
- ⑧ POLYUREA PM T1 LTR-SY
- ◆ RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER)
- ◁ RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL)
- ◄ RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER)

**SIGNING LEGEND**

- ⊕ EXISTING GROUND SIGN
- ⊖ PROPOSED GROUND SIGN
- ⊕ SIGN EXISTING SIGN TO REMAIN IN PLACE
- ⊖ SIGN EXISTING SIGN TO BE REMOVED
- ⊕ SIGN PROPOSED GROUND SIGN

**SIGNING NOTES**

1. SIGNS SHALL BE PLACED AT A LATERAL OFFSET PER MUTCD.
2. FOR CLARITY, RIGHT-OF-WAY AND UTILITIES ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING CONFLICTS BETWEEN ALL UTILITIES AND THE PROPOSED SIGNING PLAN.
3. EXISTING CHEVRON SIGNS TO BE REMOVED.
4. PROPOSED CHEVRON SIGNS TO BE PLACED PER MUTCD.
5. PAVEMENT MARKINGS SHALL BE RECESSED. GROOVING WILL BE PAID FOR SEPARATELY.



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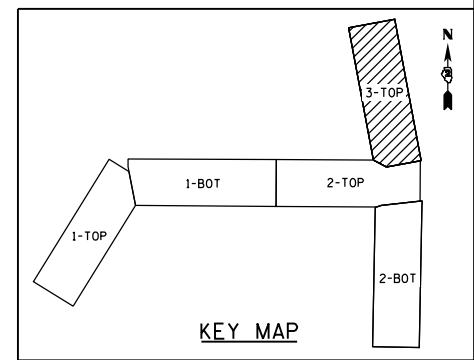
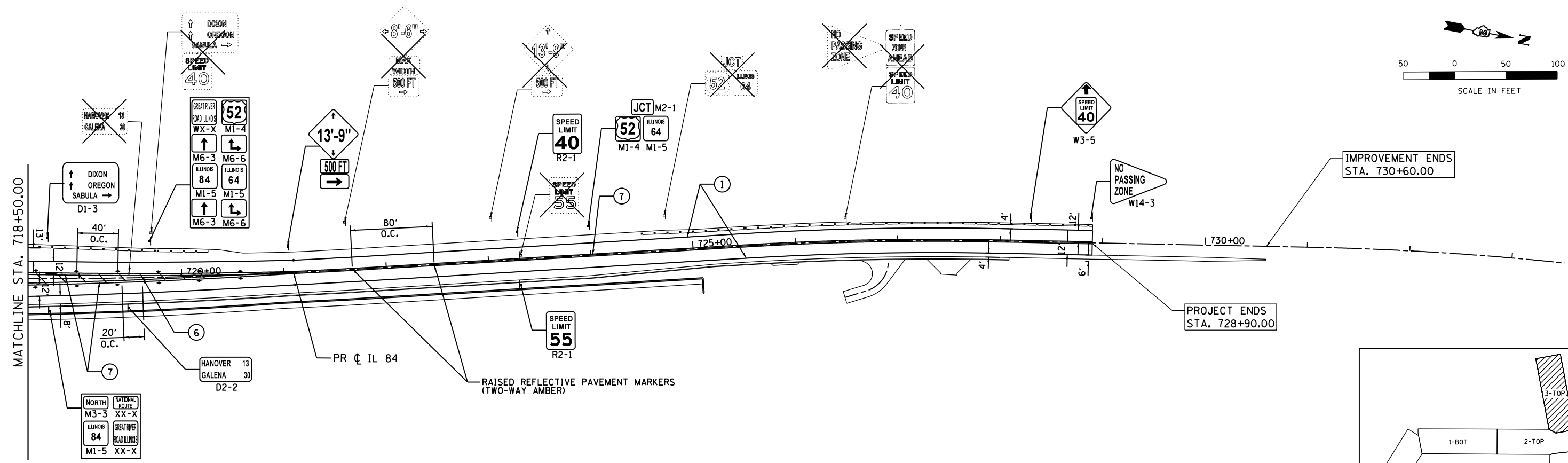
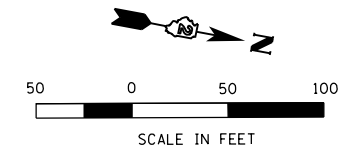
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PLOT DATE = 3/20/2015	DATE - 03-12-2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLANS  
US 52 / IL 64 AND IL 84**

SCALE: 1" = 50' SHEET 2 OF 3 SHEETS STA. 705+40 TO STA. 718+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	145
CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKING LEGEND**

- ① POLYUREA PM T1 - LINE 4" WHITE
- ② POLYUREA PM T1 - LINE 12" WHITE
- ③ POLYUREA PM T1 - LINE 8" WHITE
- ④ POLYUREA PM T1 - LINE 24" WHITE
- ⑤ POLYUREA PM T1 - LINE 4" YELLOW-SKIP DASH
- ⑥ POLYUREA PM T1 - LINE 12" YELLOW

- ⑦ POLYUREA PM T1 - DOUBLE LINE 4" YELLOW
- ⑧ POLYUREA PM T1 LTR-SY
- ◆ RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER)
- ◁ RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL)
- ◄ RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER)

**SIGNING LEGEND**

- ⊣ EXISTING GROUND SIGN
- ⊢ PROPOSED GROUND SIGN
- EXISTING SIGN TO REMAIN IN PLACE
- EXISTING SIGN TO BE REMOVED
- PROPOSED GROUND SIGN

**SIGNING NOTES**

1. SIGNS SHALL BE PLACED AT A LATERAL OFFSET PER MUTCD.
2. FOR CLARITY, RIGHT-OF-WAY AND UTILITIES ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING CONFLICTS BETWEEN ALL UTILITIES AND THE PROPOSED SIGNING PLAN.
3. EXISTING CHEVRON SIGNS TO BE REMOVED.
4. PROPOSED CHEVRON SIGNS TO BE PLACED PER MUTCD.
5. PAVEMENT MARKINGS SHALL BE RECESSED. GROOVING WILL BE PAID FOR SEPARATELY.

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PLOT DATE = 3/20/2015	DATE - 03-12-2015	REVISIONS -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLANS  
IL 84**

SCALE: 1" = 50'    SHEET 3 OF 3 SHEETS    STA. 718+50 TO STA. 730+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	146
CONTRACT NO. 64G59				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				





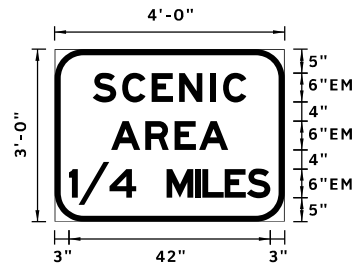






SIGN DETAIL

1:84



SIGN NUMBER	N/A
WIDTH x HGHT.	4'-0" x 3'-0"
BORDER WIDTH	1.25"
CORNER RADIUS	6"
MOUNTING	Ground
BACKGROUND	TYPE: AP COLOR: Blue
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

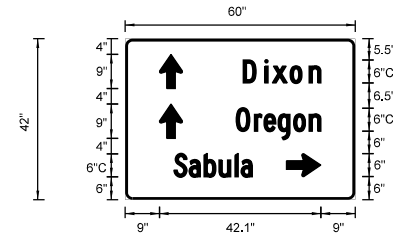
Panel Style: Scenic Area.ssi  
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)													LENGTH	SERIES/SIZE					
S	C	E	N	I	C												EM 2000		
8	14.1	20.3	26	32.5	35.2												32	6	
A	R	E	A															EM 2000	
11.8	18.9	25	30.1															24.4	6
1	/	4						M	I	L	E	S						EM 2000	
3	5	11.4	17	18.3	19.6	20.8	22.1	23.4	29.3	30.8	35.5	40.2						42	6

SIGN DETAIL

1:84



SIGN NUMBER	N/A
WIDTH x HGHT.	5'-0" x 3'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	1.9"
MOUNTING	Ground
BACKGROUND	TYPE: AP COLOR: Green
LEGEND/BORDER	TYPE: AP COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
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AR_Type D	0	9	16	6	9
AR_Type D	270	42.1	6	6	9

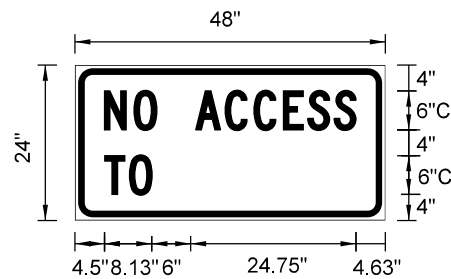
Panel Style: GUIDE1.ssi  
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)													LENGTH	SERIES/SIZE						
D	i	x	o	n															C 2000	
30.8	36.4	38.4	43.1	48															20.3	6/4.5
O	r	e	g	o	n															C 2000
29	33.7	36.2	39.9	44	48														22.1	6/4.5
S	a	b	u	l	a															C 2000
12.8	16.7	20.6	24.5	28.7	30.3														20.4	6/4.5

SIGN DETAIL

1:84



SIGN NUMBER	N/A
WIDTH x HGHT.	4'-0" x 2'-0"
BORDER WIDTH	0.50"
CORNER RADIUS	2.25"
MOUNTING	Ground
BACKGROUND	TYPE: AP COLOR: Orange
LEGEND/BORDER	TYPE: AP COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT

Panel Style: NO Access.ssi  
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)													LENGTH	SERIES/SIZE							
N	O	A	C	C	E	S	S													C 2000	
4.50	9.13	18.63	23.25	27.63	32.25	36.00	40.13														6
T	O																				C 2000
4.50	8.38																				6

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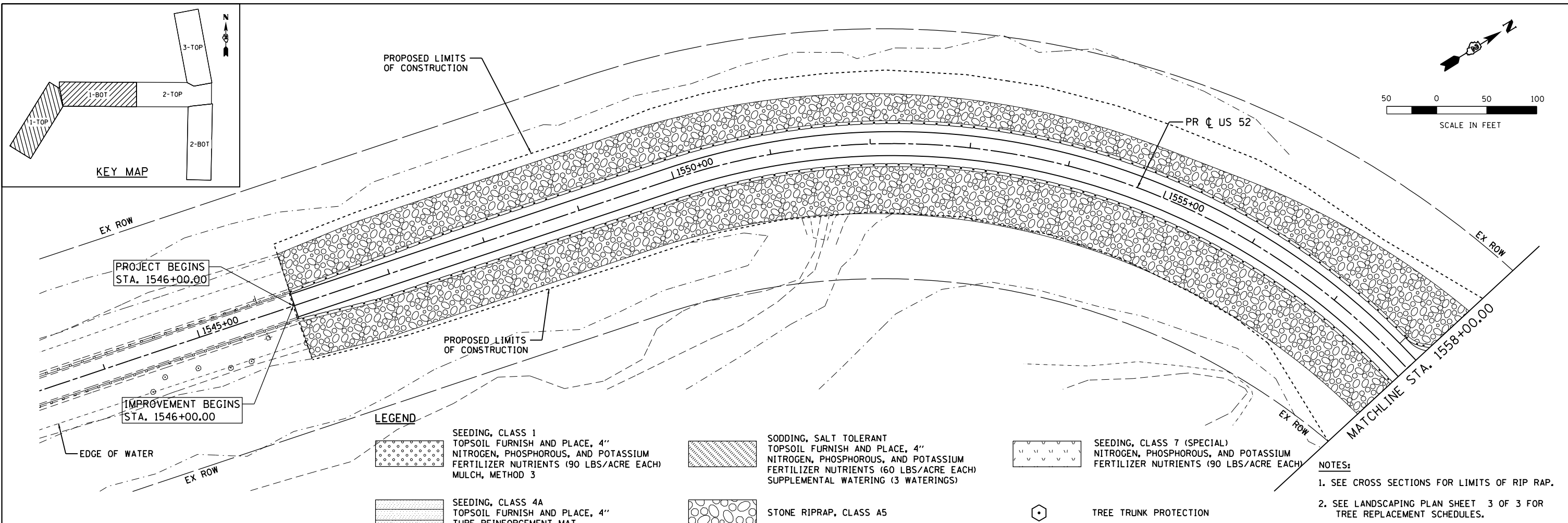
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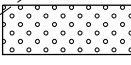

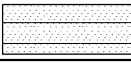
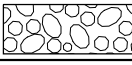

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GUIDESIGN DETAILS

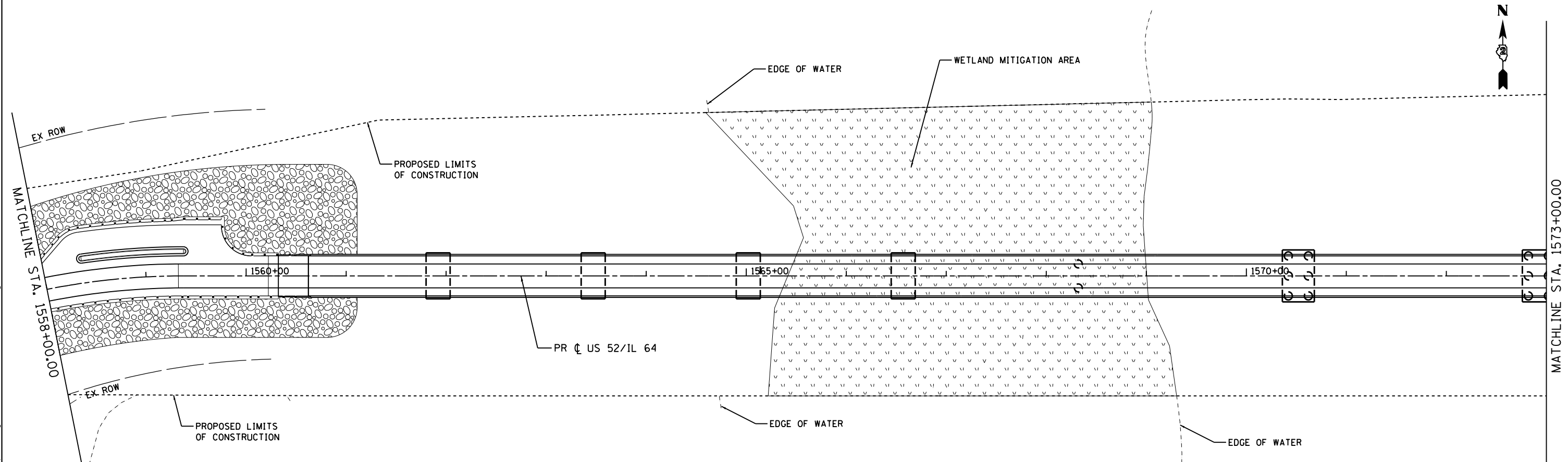
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	151
CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



- LEGEND**
-  SEEDING, CLASS 1  
TOPSOIL FURNISH AND PLACE, 4"  
NITROGEN, PHOSPHOROUS, AND POTASSIUM  
FERTILIZER NUTRIENTS (90 LBS/ACRE EACH)  
MULCH, METHOD 3
  -  SEEDING, CLASS 7 (SPECIAL)  
NITROGEN, PHOSPHOROUS, AND POTASSIUM  
FERTILIZER NUTRIENTS (90 LBS/ACRE EACH)
  -  SEEDING, CLASS 4A  
TOPSOIL FURNISH AND PLACE, 4"  
TURF REINFORCEMENT MAT
  -  STONE RIPRAP, CLASS A5
  -  TREE TRUNK PROTECTION

- NOTES:**
1. SEE CROSS SECTIONS FOR LIMITS OF RIP RAP.
  2. SEE LANDSCAPING PLAN SHEET 3 OF 3 FOR TREE REPLACEMENT SCHEDULES.



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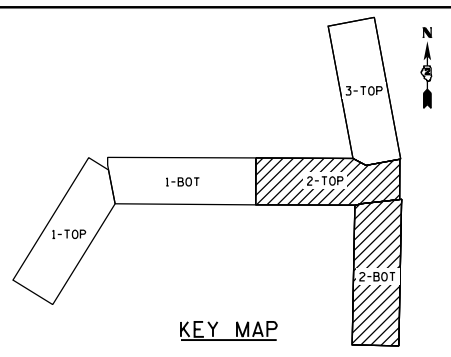
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LANDSCAPING  
US 52 /IL 64**

SCALE: 1" = 50'    SHEET 1    OF 3    SHEETS    STA. 1544+00    TO STA. 1573+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	152
CONTRACT NO. 64G59				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				



MATCHLINE STA. 1573+00.00

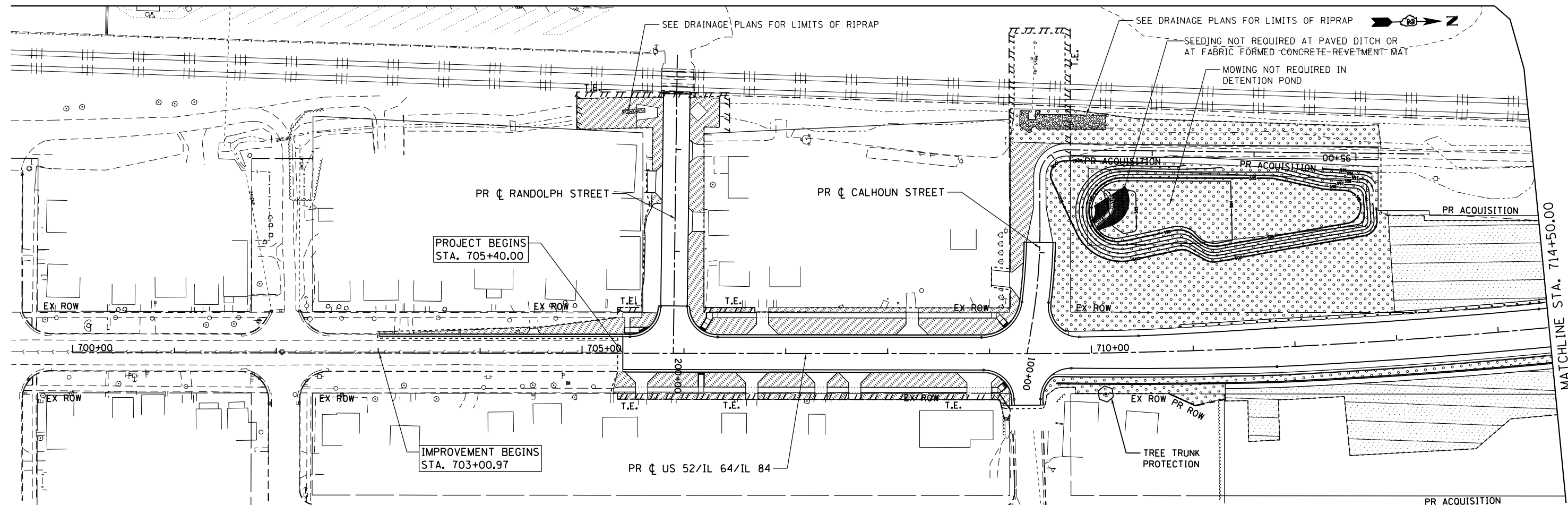
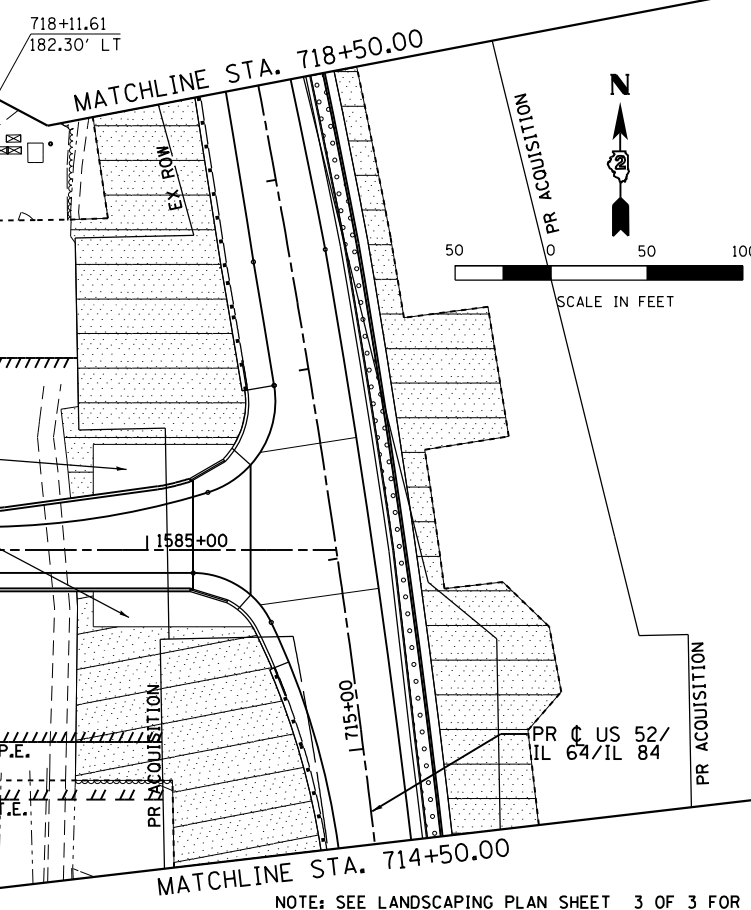
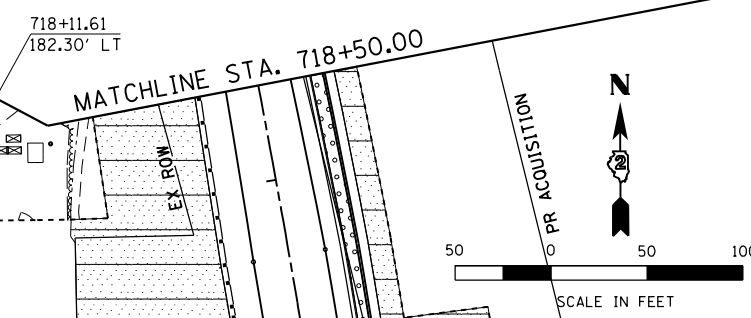
**LEGEND**

- SEEDING, CLASS 1  
TOPSOIL FURNISH AND PLACE, 4"  
NITROGEN, PHOSPHOROUS, AND POTASSIUM  
FERTILIZER NUTRIENTS (90 LBS/ACRE EACH)  
MULCH, METHOD 3
- SODDING, SALT TOLERANT  
TOPSOIL FURNISH AND PLACE, 4"  
NITROGEN, PHOSPHOROUS, AND POTASSIUM  
FERTILIZER NUTRIENTS (60 LBS/ACRE EACH)  
SUPPLEMENTAL WATERING (3 WATERINGS)
- SEEDING, CLASS 7 (SPECIAL)  
NITROGEN, PHOSPHOROUS, AND POTASSIUM  
FERTILIZER NUTRIENTS (90 LBS/ACRE EACH)
- SEEDING, CLASS 4A  
TOPSOIL FURNISH AND PLACE, 4"  
TURF REINFORCEMENT MAT
- STONE RIPRAP, CLASS A5
- TREE TRUNK PROTECTION

PROPOSED LIMITS OF CONSTRUCTION

SEE BRIDGE PLANS FOR RIPRAP AT ABUTMENT

PROPOSED LIMITS OF CONSTRUCTION



NOTE: SEE LANDSCAPING PLAN SHEET 3 OF 3 FOR TREE REPLACEMENT SCHEDULES.

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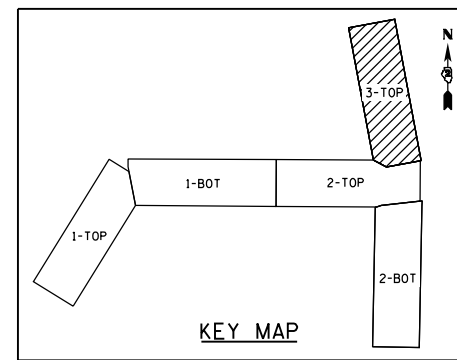
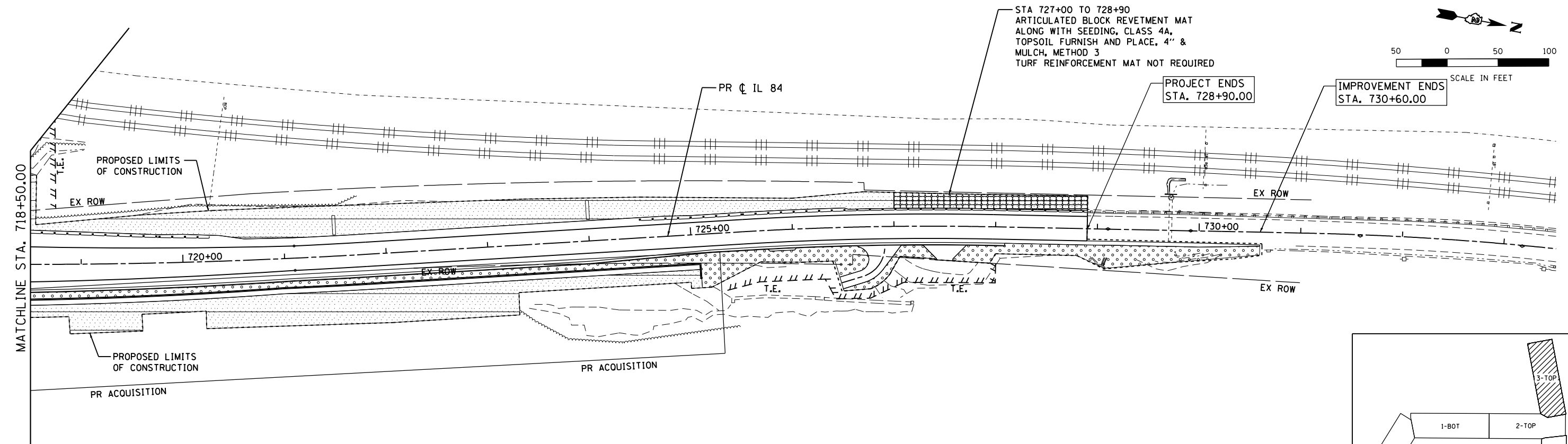
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LANDSCAPING  
US 52 / IL 64 AND IL 84**

SCALE: 1" = 50'    SHEET 2 OF 3 SHEETS    STA. 705+40 TO STA. 718+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	153
CONTRACT NO. 64G59				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				



**TREE REPLACEMENT SCHEDULES**

THE LIST OF TREE SPECIES FOR IOWA WILL BE AS FOLLOWS:

CODE NUMBER	DESCRIPTION	UNIT	QUANTITY
A2C015G3	TREE, BETULA NIGRA (RIVER BIRCH), CONTAINER GROWN, 3-GALLON	EACH	166
A2C050G3	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), CONTAINER GROWN, 3-GALLON	EACH	166
A2C040G3	TREE, PLATANUS OCCIDENTALIS (SYCAMORE), CONTAINER GROWN, 3-GALLON	EACH	166
C2C01120	SHRUB, CEPHALANTHUS OCCIDENTALIS (BUTTON BUSH), 2' HEIGHT, CONTAINER	EACH	166
C2C09624	SHRUB, SAMBUCUS CANADENSIS (AMERICAN ELDER), 2' HEIGHT, CONTAINER	EACH	166

THE SPECIES LIST FOR ILLINOIS WILL BE AS FOLLOWS:

CODE NUMBER	DESCRIPTION	UNIT	QUANTITY
A2006514	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	27
A2006914	TREE, QUERCUS PALUSTRIS (PIN OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	27
A2002314	TREE, BETULA NIGRA (RIVER BIRCH), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	27
A2007814	TREE, TILIA AMERICANA (AMERICAN LINDEN/ BASSWOOD), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	26

NOTE: SEE GENERAL NOTES FOR ADDITIONAL TREE NOTES AND COMMITMENTS

**LEGEND**

- SEEDING, CLASS 1  
TOPSOIL FURNISH AND PLACE, 4"  
NITROGEN, PHOSPHOROUS, AND POTASSIUM  
FERTILIZER NUTRIENTS (90 LBS/ACRE EACH)  
MULCH, METHOD 3
- SODDING, SALT TOLERANT  
TOPSOIL FURNISH AND PLACE, 4"  
NITROGEN, PHOSPHOROUS, AND POTASSIUM  
FERTILIZER NUTRIENTS (60 LBS/ACRE EACH)  
SUPPLEMENTAL WATERING (3 WATERINGS)
- SEEDING, CLASS 7 (SPECIAL)  
NITROGEN, PHOSPHOROUS, AND POTASSIUM  
FERTILIZER NUTRIENTS (90 LBS/ACRE EACH)
- SEEDING, CLASS 4A  
TOPSOIL FURNISH AND PLACE, 4"  
TURF REINFORCEMENT MAT
- STONE RIPRAP, CLASS A5
- TREE TRUNK PROTECTION

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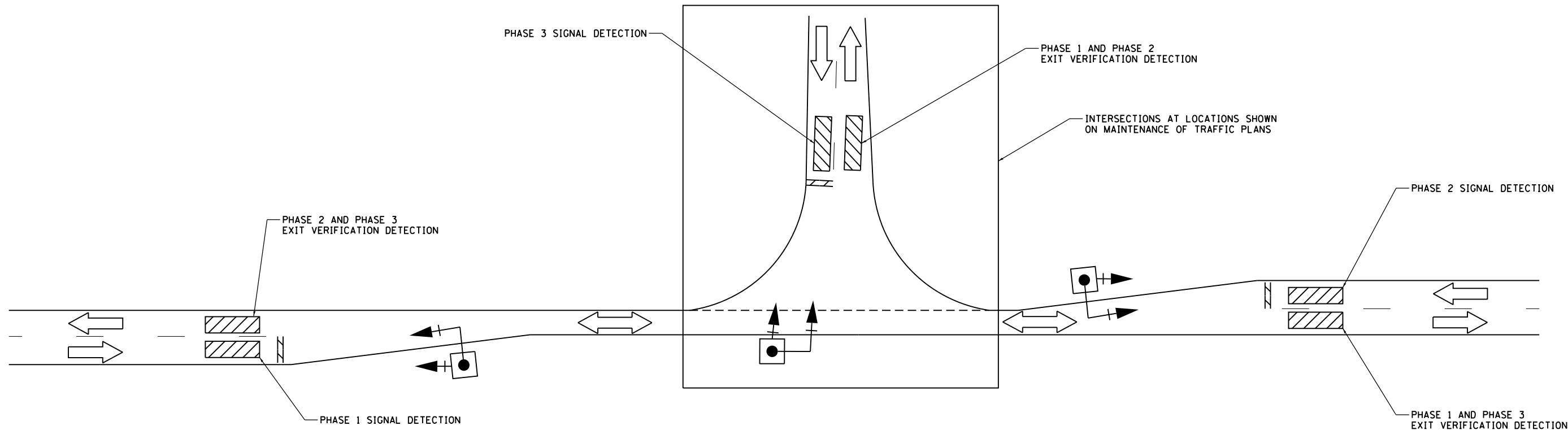
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED LANDSCAPING  
 IL 84**

SCALE: 1" = 50' SHEET 3 OF 3 SHEETS STA. 718+50 TO STA. 730+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	154
CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

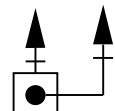
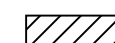
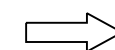


TYPICAL TEMPORARY BRIDGE TRAFFIC SIGNAL LAYOUT AND DETECTION

NOTES:

1. AT LOCATIONS SHOWN ON THE PLANS, TWO-WAY ONE-LANE TRAFFIC WILL BE MAINTAINED USING HIGHWAY STANDARD 701316 WITH TEMPORARY BRIDGE TRAFFIC SIGNALS. THIS WORK SHALL BE IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS, SPECIAL PROVISIONS, HIGHWAY STANDARDS AND DETAIL DRAWINGS EXCEPT AS NOTED IN THE PLANS AND EXCEPT THAT THE WORK ZONE MAY NOT INVOLVE BRIDGE WORK.
2. ALL TRAFFIC SIGNAL SECTIONS SHALL BE 12" (300MM) LED. HEADS SHALL BE PLACED AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.
3. TEMPORARY SIGNALS TO RUN 2 PHASES AT LOCATIONS WITHOUT AN INTERSECTION AND 3 PHASES AS SHOWN IN TEMP PHASE DIAGRAM AT LOCATIONS WITH AN INTERSECTION.
4. EXIT DETECTION SHALL BE USED TO VERIFY TRAFFIC HAS CLEARED ONE LANE SECTION.
5. SEE MAINTENANCE OF TRAFFIC PLANS FOR LOCATIONS OF TRAFFIC CONTROL DEVICES AND PAVEMENT MARKINGS.
6. WHEN PORTABLE SIGNALS ARE USED:
  - A) PORTABLE TRAFFIC SIGNALS TO BE CONNECTED VIA RADIO COMMUNICATIONS. LINE OF SIGHT SHALL BE MAINTAINED BETWEEN THE RADIO ANTENNA ON THE PORTABLE SIGNALS.
  - B) EACH PORTABLE UNIT SHALL CONTAIN A SOLAR CELL SYSTEM TO FACILITATE BATTERY CHARGING. THERE SHALL BE A MINIMUM OF 12 DAYS BACKUP RESERVE BATTERY SUPPLY.
  - C) SYSTEM MUST BE CONFIGURED TO COMMUNICATE BATTERY LEVEL AND FAILURE TO CONTRACTOR.

LEGEND

-  TEMPORARY BRIDGE TRAFFIC SIGNAL
-  DETECTION ZONE
-  DIRECTION OF TRAFFIC

PROPOSED TEMP PHASE DIAGRAM									
	PHASE 1			PHASE 2			PHASE 3		
	→			←			↙ ↘		
	NORTHBOUND			SOUTHBOUND			EASTBOUND		
SEQUENCE OF OPERATION	PHASE 1	G	Y	R	R	R	R	R	R
	PHASE 2	R	R	R	G	Y	R	R	R
	PHASE 3	R	R	R	R	R	R	G	Y

SIGNAL PHASING FOR INTERSECTION LOCATIONS

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY BRIDGE TRAFFIC SIGNAL DETAILS

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL/JACKSON	528	155
CONTRACT NO. 64G59				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

TABULATION OF QUANTITIES

PAY ITEM	DESCRIPTION	UNIT	TOTALS
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
81028770	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.	FOOT	240
81100500	CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., GALVANIZED STEEL	FOOT	3,330
81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	3,835
81300520	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 8" X 6"	EACH	26
81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	10
81300555	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 8"	EACH	9
81300720	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 16" X 12" X 8"	EACH	2
81603000	UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	1,500
81603040	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	70
81603080	UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	250
81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	7,580
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	7,720
81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	5,820
81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	3,060
	LUMINAIRE, LED, HORIZONTAL MOUNT, LW	EACH	14
	LUMINAIRE, LED, HORIZONTAL MOUNT, MW	EACH	9
82200605	WATERWAY OBSTRUCTION WARNING LUMINAIRE, LED	EACH	6
82500390	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP (DUAL)	EACH	1
83001200	LIGHT POLE, ALUMINUM, 35 FT. M.H., 6 FT. DAVIT ARM	EACH	14
83003600	LIGHT POLE, ALUMINUM, 45 FT. M.H., 15 FT. DAVIT ARM	EACH	9
83600355	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8" X 6"	EACH	9
83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	8
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	13
84200804	REMOVAL OF POLE FOUNDATION	EACH	1
84301100	REMOVAL OF NAVIGATION OBSTRUCTION WARNING LIGHTING UNIT	EACH	6
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
X0326498	GFCI 20 AMP DUPLEX RECEPTACLE	EACH	26
X8110456	CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., STAINLESS STEEL	FOOT	80
	LED LIGHTING DIMMING CONTROL SYSTEM	L SUM	1
	TEMPORARY WATERWAY OBSTRUCTION WARNING LIGHTING SYSTEM	L SUM	1

LEGEND

- ELECTRIC SERVICE INSTALLATION, TYPE AS INDICATED
- PROPOSED LIGHTING CONTROLLER, TYPE AS INDICATED
- PROPOSED LIGHTING UNIT, 45 FT ALUMINUM POLE, 15 FT DAVIT ARM, LED LUMINAIRE HORIZONTAL MOUNT, MW
- PROPOSED LIGHTING UNIT 35 FT ALUMINUM POLE, 6 FT DAVIT ARM, LED LUMINAIRE HORIZONTAL MOUNT LW, MOUNTED ON BRIDGE PARAPET WALL
- NAVIGATION OBSTRUCTION WARNING LUMINAIRE, 360 DEGREE, GREEN CENTER CHANNEL, LED
- NAVIGATION OBSTRUCTION WARNING LUMINAIRE, 180 DEGREE, RED CHANNEL MARGIN, LED
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, SIZE AS NOTED
- ELECTRIC CABLE IN CONDUIT, SIZE AS NOTED
- UNIT DUCT, SIZE AS NOTED
- COILABLE NON-METALLIC CONDUIT, SIZE AS NOTED

GENERAL NOTES

1. NO POLE TO BE INSTALLED IN THE FLOW LINE OF DITCH. POLE SETBACK TO BE INCREASED IF NECESSARY AS DIRECTED BY THE ENGINEER.
2. UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA. SHALL BE SCHEDULED 80 AS NOTED IN THE PLANS
3. UNIT DUCT SHALL BE SCHEDULE 40
4. LEVELING PLATES FOR BRIDGE MOUNTED LIGHT POLES SHALL BE ACCORDING TO THE PLANS AND SHALL BE GALVANIZED STEEL.
5. THE VOIDS ON THE BOTTOM SIDE OF THE ALUMINUM POLE BASE MUST BE SEALED FROM RODENT ENTRY WITH STAINLESS STEEL SCREEN.
6. FURNISH AND INSTALL STAINLESS STEEL CONDUIT WHEREVER CONDUIT ATTACHED TO STRUCTURE IS SUSCEPTIBLE TO DRIPPING FROM THE BRIDGE OR SALT SPRAY. THE COST OF THIS WORK SHALL BE INCLUDED IN THE APPLICABLE CONDUIT ATTACHED TO STRUCTURE PAY ITEM.

HIGHWAY STANDARDS FOR LIGHTING

- 821101-01 LUMINAIRE WIRING DIAGRAM
- 830006-03 LIGHT POLE ALUMINUM DAVIT ARM
- 836001-02 LIGHT POLE FOUNDATION
- 838001 BREAKAWAY DEVICE

CABLE/CONDUIT SCHEDULE

- UNIT DUCT, 600V, 2-1C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- UNIT DUCT, 600V, 2-1C NO. 6, 1/C NO. 8 GROUND, (XLP-TYPE USE), 1" DIA POLYETHYLENE
- ELECTRIC CABLE IN CONDUIT, 600V, (XLP-TYPE USE), 2-1C NO. 8, 1/C NO.8 GROUND IN 2" DIA PVC CONDUIT EMBEDDED IN STRUCTURE
- ELECTRIC CABLE IN CONDUIT, 600V, (XLP-TYPE USE), 2-1C NO. 6 GROUND IN 2" DIA. PVC CONDUIT EMBEDDED IN STRUCTURE
- ELECTRIC CABLE IN CONDUIT, 600V, (XLP-TYPE USE), 2-1C NO. 8, 1/C NO.8 GROUND IN 1 1/2" DIA. GALVANIZED STEEL CONDUIT ATTACHED TO STRUCTURE
- ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE), 3-1C NO. 2 1/C NO. 4 GROUND IN 2" DIA. PVC CONDUIT EMBEDDED IN STRUCTURE
- ELECTRIC CABLE IN CONDUIT, 600V, (XLP-TYPE USE), 2-1C NO. 4, 1/C NO. 6 GROUND IN 1 1/2" DIA. GALVANIZED STEEL CONDUIT ATTACHED TO STRUCTURE
- UNIT DUCT, 600V, 3-1C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE), 1 1/4" DIA POLYETHYLENE

INDEX OF SHEETS

- L-1 GENERAL NOTES, LEGEND, SCHEDULES AND INDEX OF SHEET
- L-2 EXISTING LIGHTING REMOVAL PLAN
- L-3 - L-4 - L-4A PROPOSED LIGHTING PLAN
- L-5 MAINTENANCE RECEPTACLE INSTALLATION PLAN
- L-6 NAVIGATION OBSTRUCTION WARNING LIGHTING PLAN
- L-7 DETAILS
- L-8 WIRING DIAGRAMS
- L-9 LUMINAIRE PERFORMANCE TABLES
- L-10-14 DETAILS
- L-15-16 BRIDGE LIGHTING WIRELESS CONTROL SYSTEM PLAN

L-1

FILE NAME *	USER NAME *	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES, LEGEND, SCHEDULES AND INDEX OF SHEETS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default						17	104B-2	CARROLL	528	156	
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						CONTRACT NO. 64059					

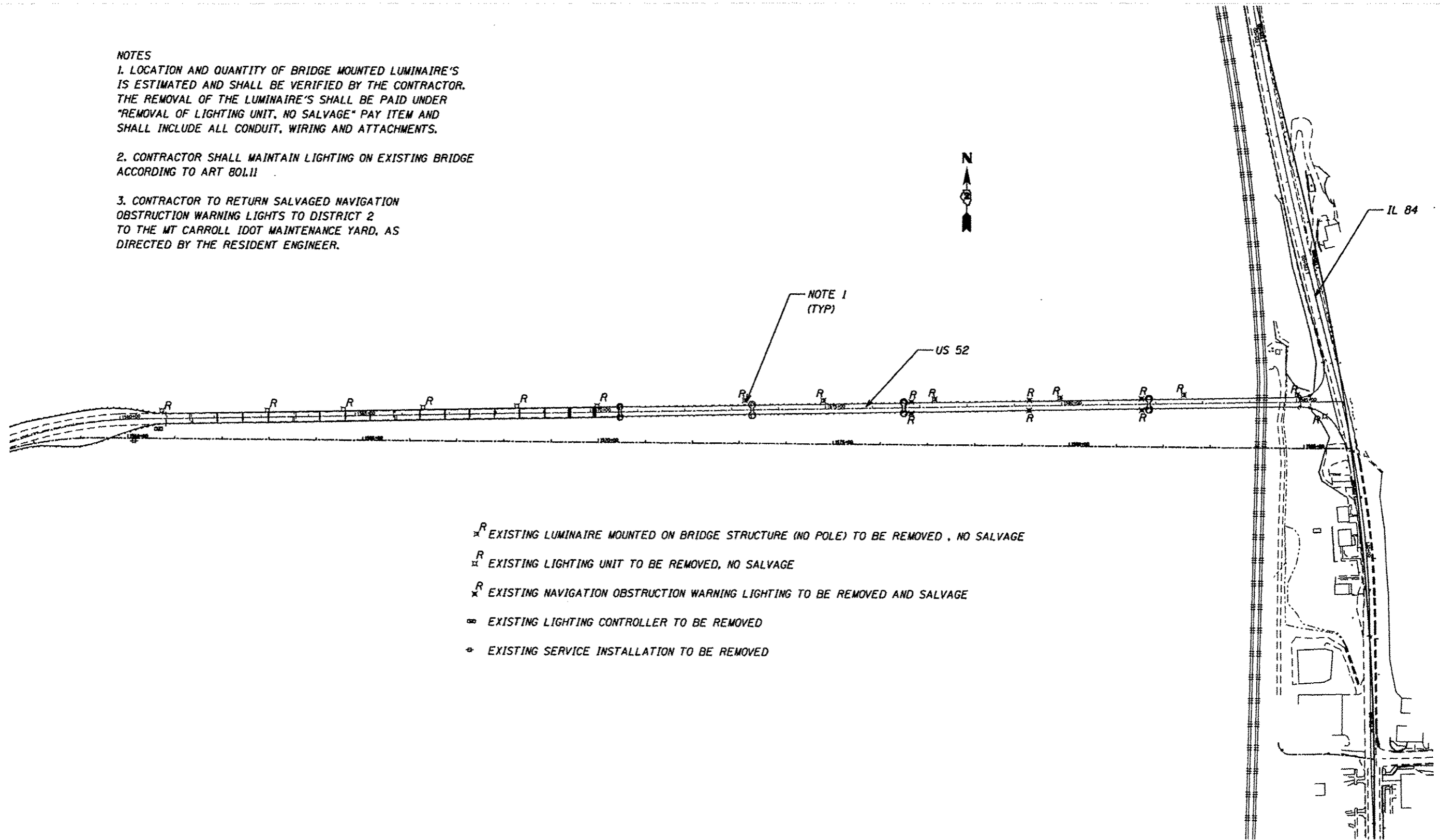


**NOTES**

1. LOCATION AND QUANTITY OF BRIDGE MOUNTED LUMINAIRE'S IS ESTIMATED AND SHALL BE VERIFIED BY THE CONTRACTOR. THE REMOVAL OF THE LUMINAIRE'S SHALL BE PAID UNDER "REMOVAL OF LIGHTING UNIT, NO SALVAGE" PAY ITEM AND SHALL INCLUDE ALL CONDUIT, WIRING AND ATTACHMENTS.

2. CONTRACTOR SHALL MAINTAIN LIGHTING ON EXISTING BRIDGE ACCORDING TO ART 80.11

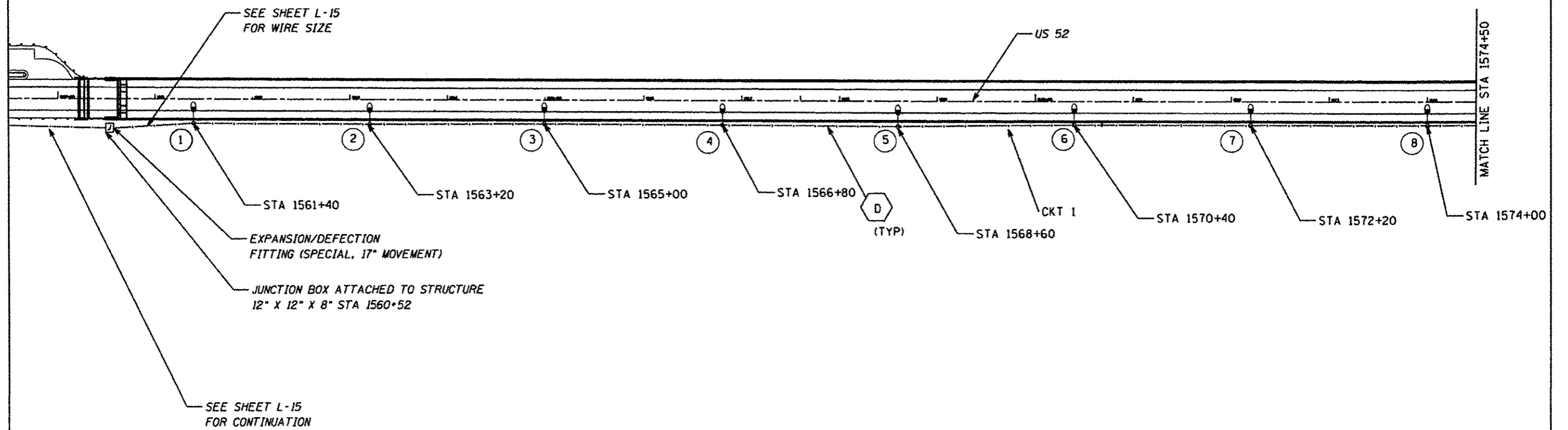
3. CONTRACTOR TO RETURN SALVAGED NAVIGATION OBSTRUCTION WARNING LIGHTS TO DISTRICT 2 TO THE MT CARROLL IDOT MAINTENANCE YARD, AS DIRECTED BY THE RESIDENT ENGINEER.



- $\times^R$  EXISTING LUMINAIRE MOUNTED ON BRIDGE STRUCTURE (NO POLE) TO BE REMOVED , NO SALVAGE
- $\square^R$  EXISTING LIGHTING UNIT TO BE REMOVED, NO SALVAGE
- $\times^R$  EXISTING NAVIGATION OBSTRUCTION WARNING LIGHTING TO BE REMOVED AND SALVAGE
- $\square$  EXISTING LIGHTING CONTROLLER TO BE REMOVED
- $\diamond$  EXISTING SERVICE INSTALLATION TO BE REMOVED

L-2

FILE NAME *	USER NAME *	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING LIGHTING REMOVAL PLAN</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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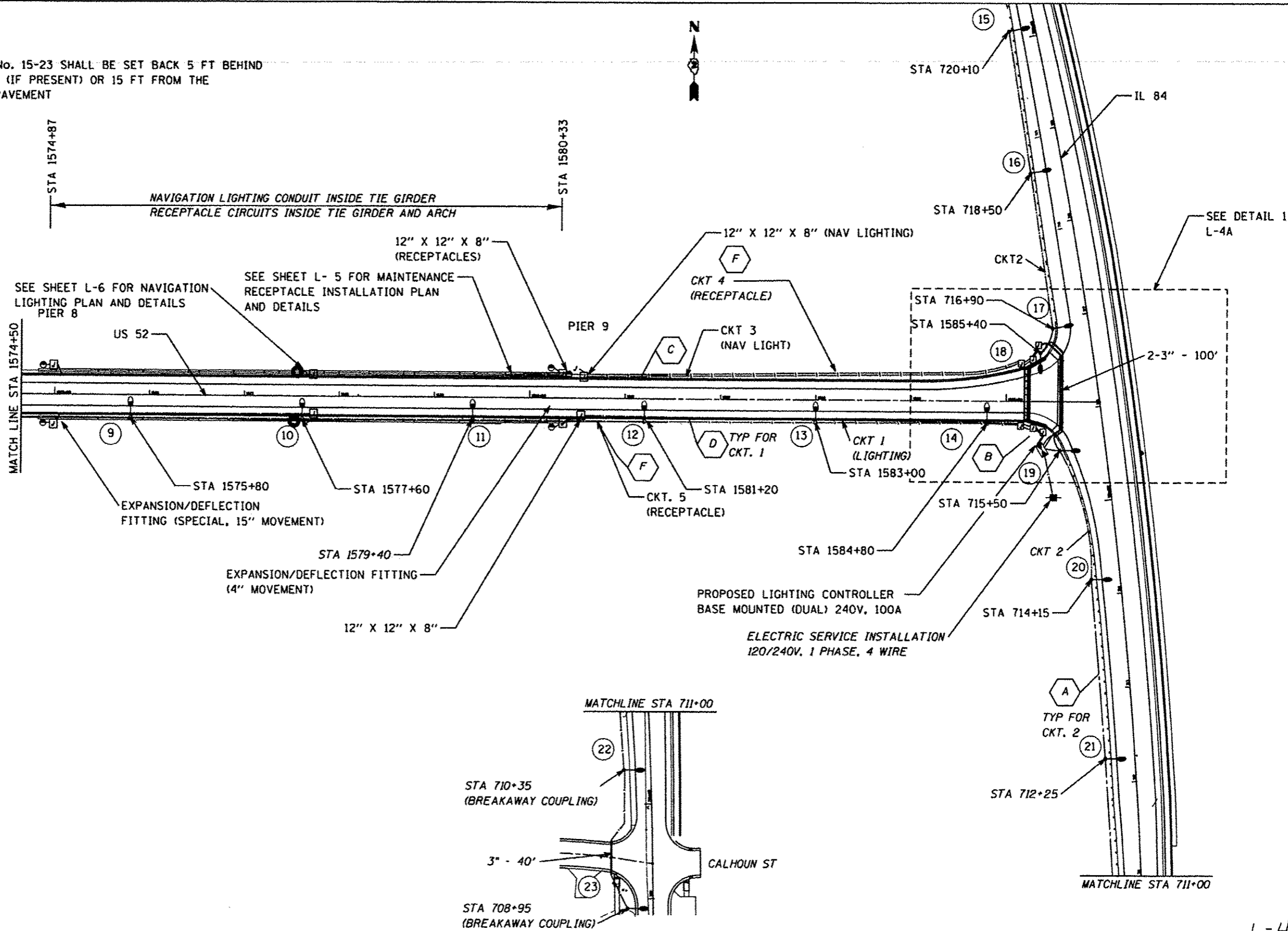
MATCH LINE STA 1574+50

L-3

FILE NAME * p:\11084EBID\INTEC\Illinois.gov\PI\DOT\Documents\DOT Office\District 2\Projects\0208\DRAWING\Electrical\Light-light.dgn	USER NAME * arknyde	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED LIGHTING PLAN</b>		F.A.P. RTE. 17	SECTION 104B-2	COUNTY CARROLL	TOTAL SHEETS 528	SHEET NO. 158
	PLOT SCALE * 1/8" = 1'	CHECKED -	REVISED -		REVISED -	SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____	CONTRACT NO. 64659		ILLINOIS FED. AID PROJECT		
PLOT DATE * Mar-06-2015 10:51:17 AM	DATE -	REVISED -	REVISED -								

**NOTES:**

1. POLES No. 15-23 SHALL BE SET BACK 5 FT BEHIND GUARDRAIL (IF PRESENT) OR 15 FT FROM THE EDGE OF PAVEMENT

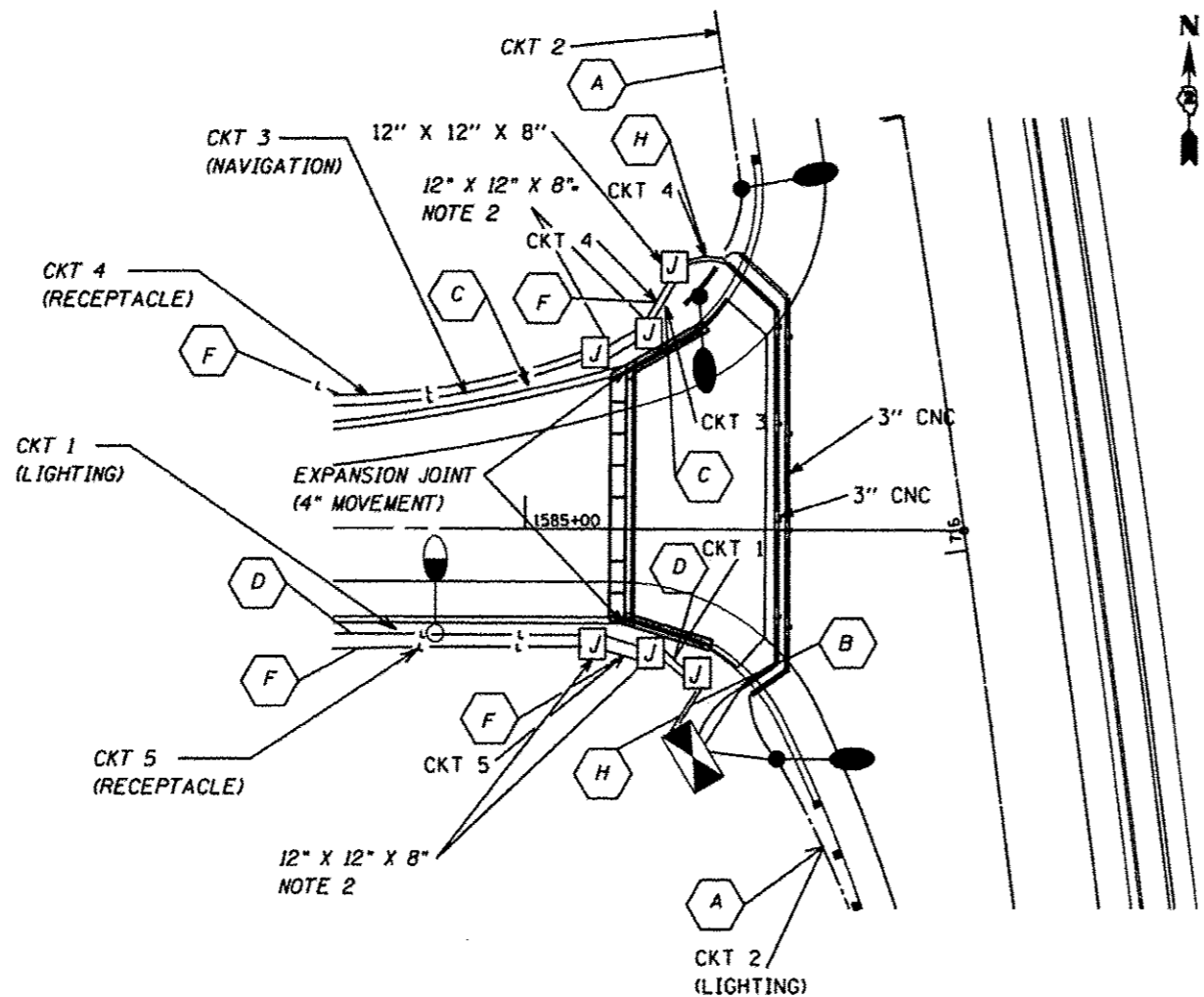


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN

FILE NAME *	USER NAME *	DESIGNED -	REVISED -	SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default		CHECKED -	REVISED -		17	104B-2	CARROLL	528	159
		DATE -	REVISED -		CONTRACT NO. 64059				
					ILLINOIS FED. AID PROJECT				

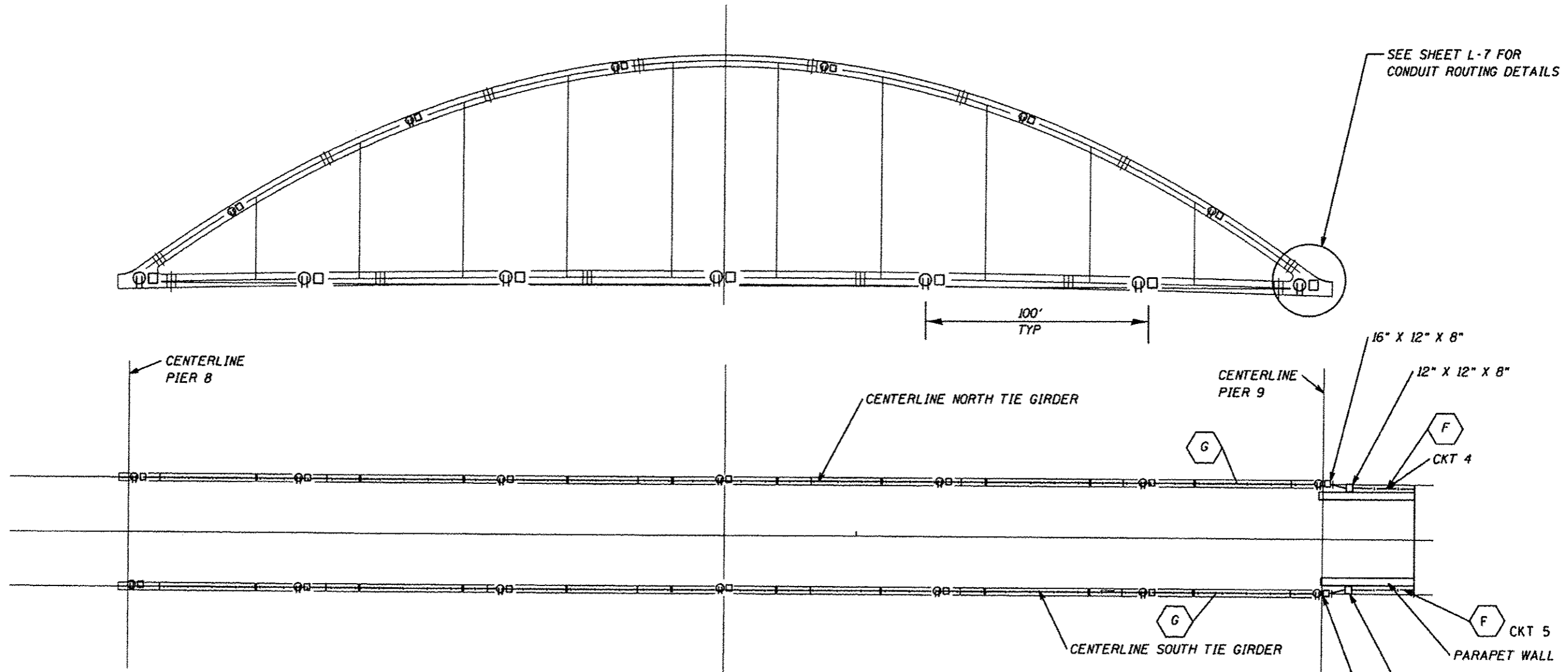
L-4



NOTE:  
 2. JUNCTION BOXES AND FLEX CONDUIT  
 REQUIRED AT EXPANSION JOINT DUE  
 TO ANGLE IN PARAPET WALL.

L-4A.

FILE NAME *	USER NAME * arknayde	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED LIGHTING PLAN</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	Documents\1007 OFFICE\District 2\Projects\0208\DRM\State\Electrical\0208\Lighting\Lighting.dwg	CHECKED -	REVISED -		SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____	17	104B-2	CARROLL	528	160
	PLOT SCALE * 1/8" = 1'-0"	DATE -	REVISED -					CONTRACT NO. 64659				
	PLOT DATE * Mar-06-2015 10:46:33 AM							ILLINOIS FED. AID PROJECT				



SEE SHEET L-7 FOR  
CONDUIT ROUTING DETAILS

100'  
TYP

CENTERLINE  
PIER 8

CENTERLINE NORTH TIE GIRDER

CENTERLINE  
PIER 9

16" X 12" X 8"

12" X 12" X 8"

G

F

CKT 4

CENTERLINE SOUTH TIE GIRDER

G

F

CKT 5

PARAPET WALL

12" X 12" X 8"

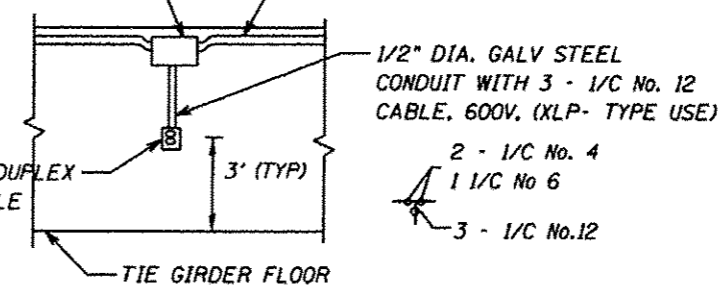
16" X 12" 8"

**LEGEND**

□ JUNCTION BOX, 12" X 8" X 6", UNLESS NOTED OTHERWISE

Ⓟ 20A 120 VAC DUPLEX GFI RECEPTACLE WITH COVER

12" X 8" X 6" JUNCTION BOX



TYPICAL DUPLEX RECEPTACLE  
INSTALLATION DETAIL

FILE NAME * D:\L884E810\INTEG.\Illinois.gov\PI001\Documents\1007 OFFICE\District 2\Projects\028\DR043\Data\Electrical\028(11)367-light.dwg	USER NAME * arknayed	DESIGNED -	REVISED -
		CHECKED -	REVISED -
PLOT SCALE * 1/8" = 1'-0"		DATE -	REVISED -
PLOT DATE * Mon-06-2015 10:47:18 AM			

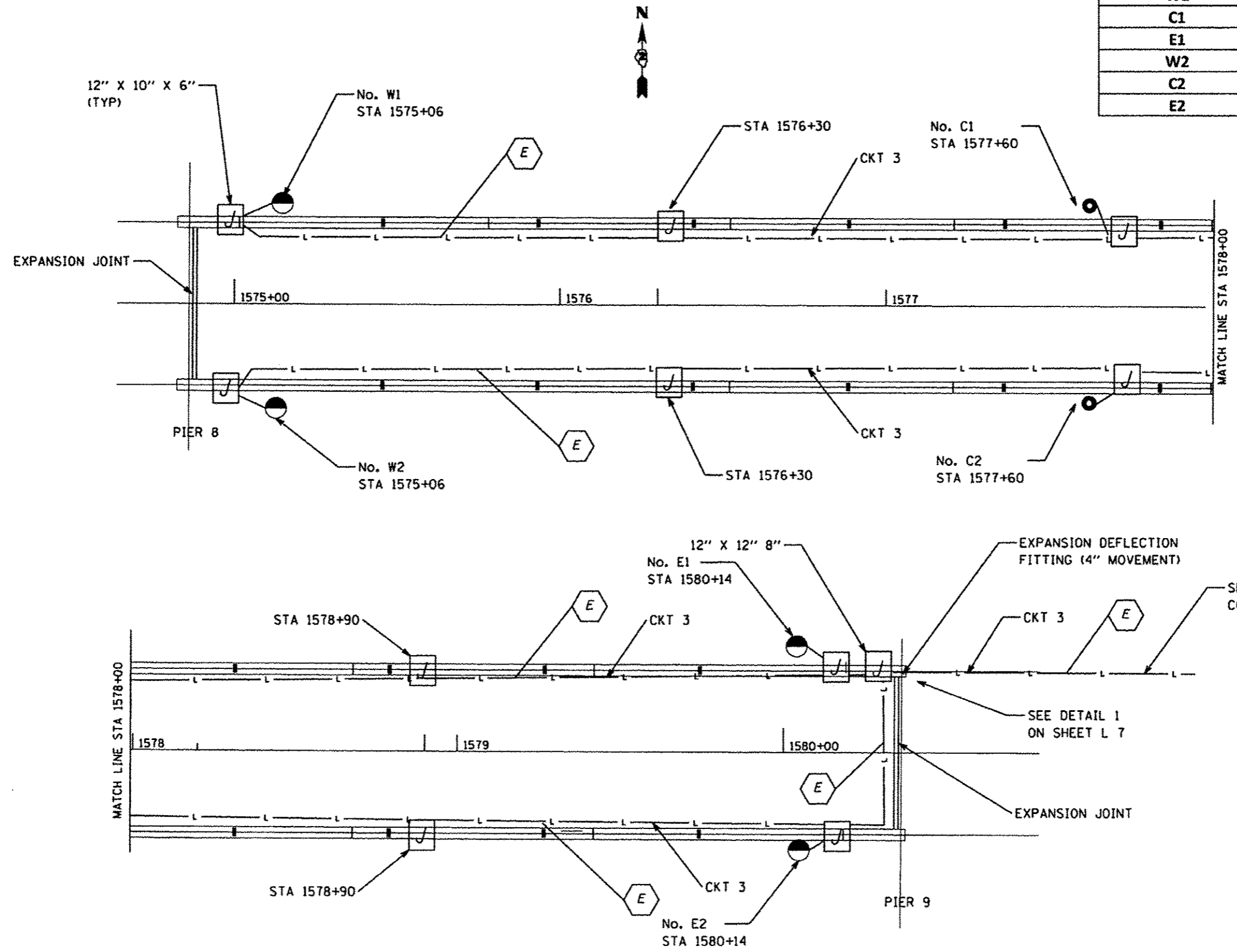
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE RECEPTACLE  
INSTALLATION PLAN

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	1048-2	CARROLL	528	161
CONTRACT NO. 64959			ILLINOIS FED. AID PROJECT	

NAVIGATION LIGHTING SCHEDULE			
NAV LIGHT NUMBER	STATION	STEM LENGTH	DETAIL
W1	1575+06	5'-3"	L-13
C1	1577+60	5'-4 1/2"	L-12
E1	1580+14	5'-3"	L-13
W2	1575+06	5'-3"	L-13
C2	1577+60	5'-4 1/2"	L-12
E2	1580+14	5'-3"	L-13



SEE SHEET L 3 FOR CONTINUATION

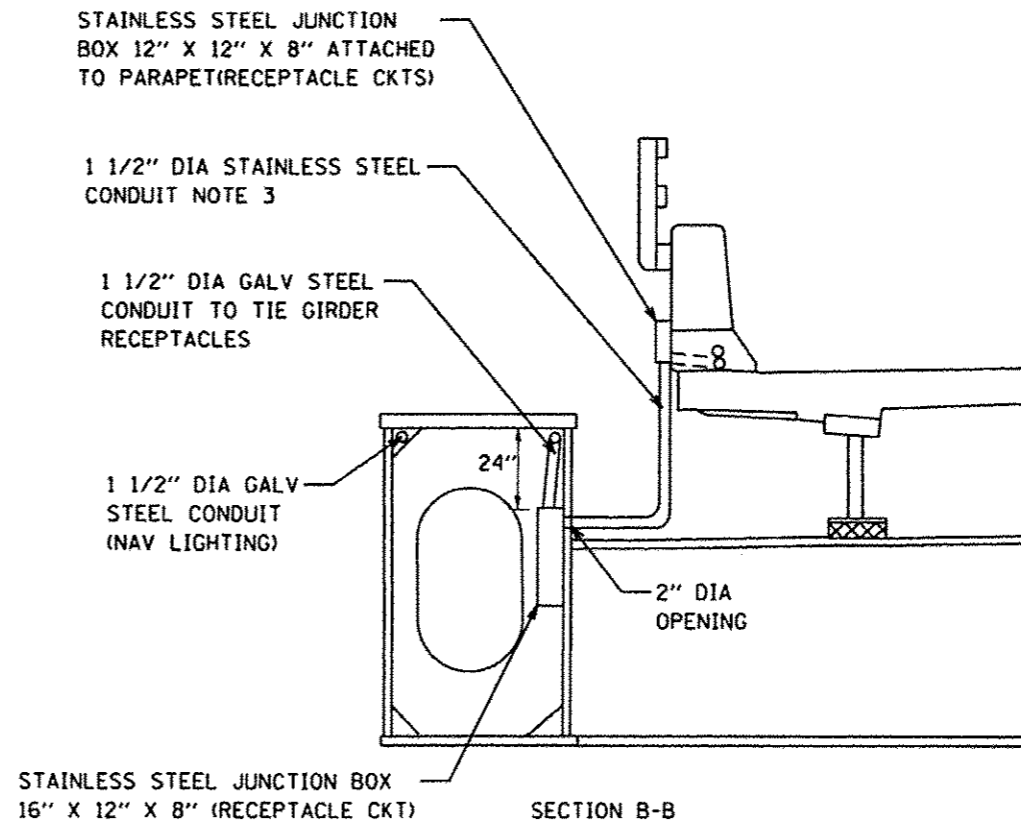
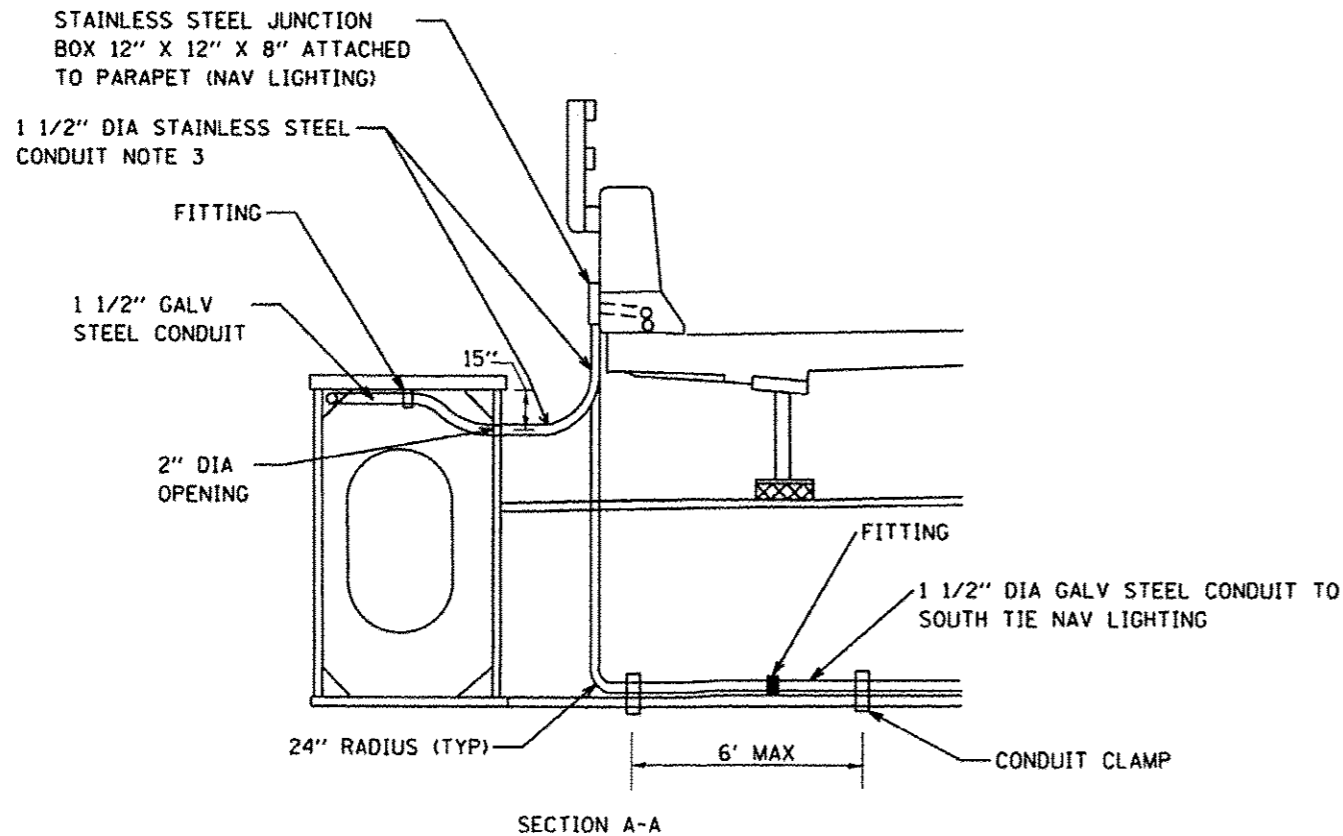
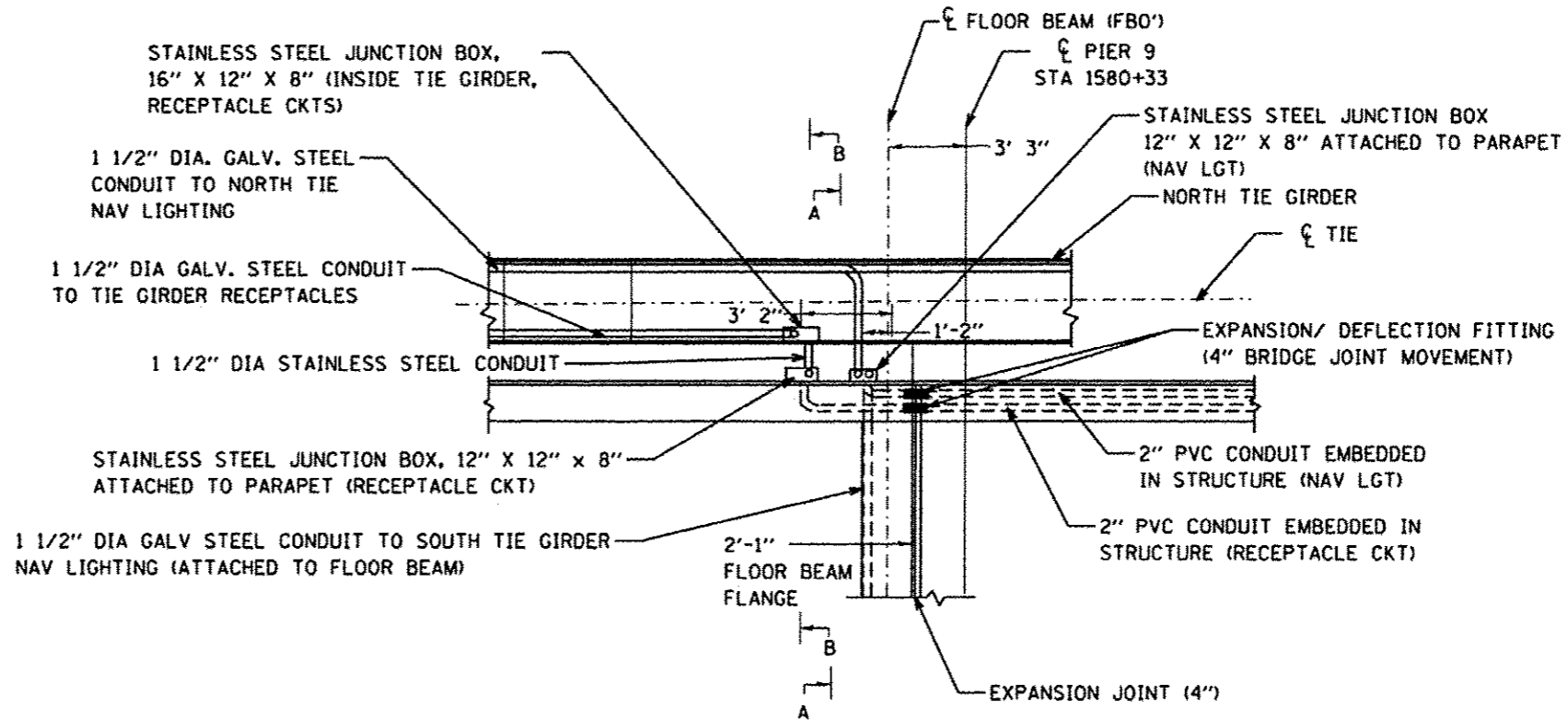
SEE DETAIL 1 ON SHEET L 7

L-6

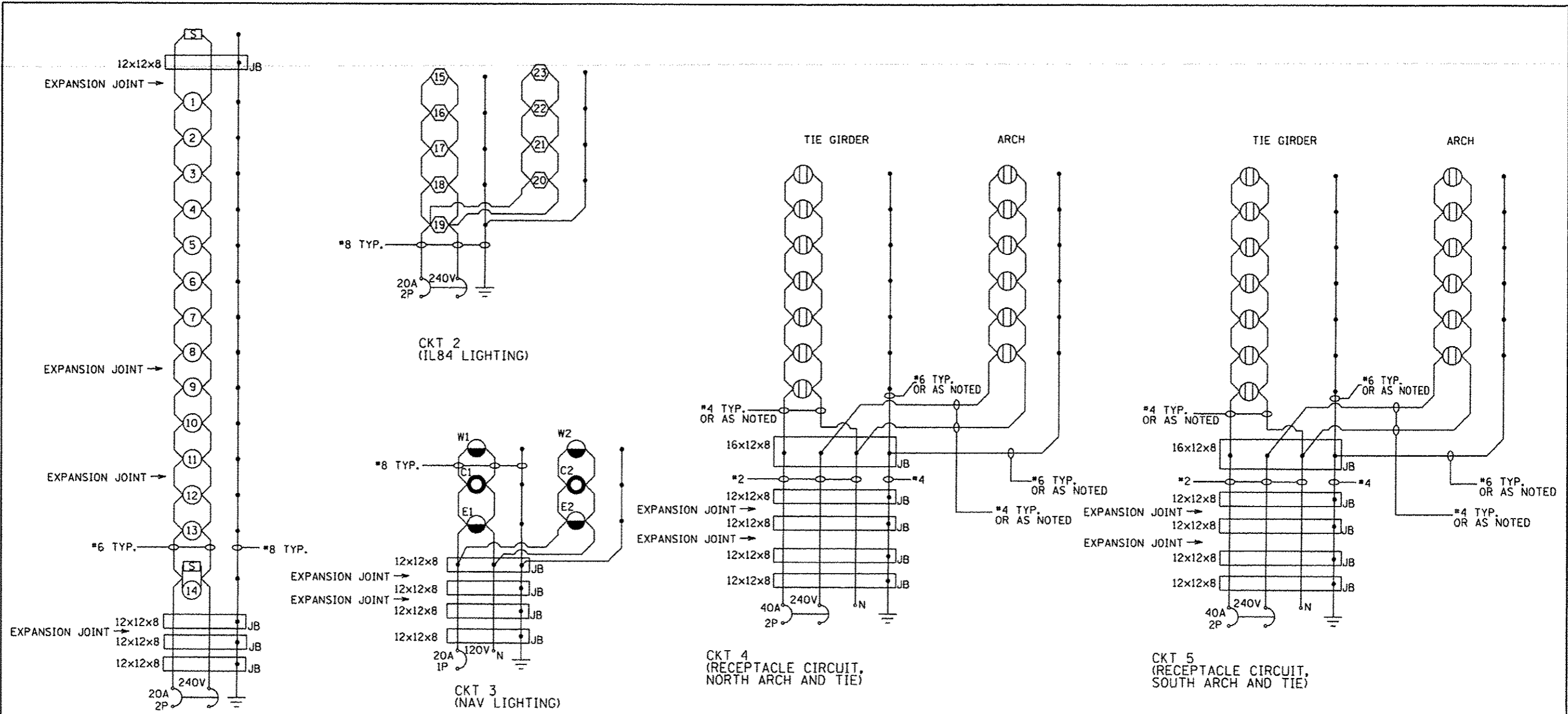
FILE NAME *	USER NAME * arknyde	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>NAVIGATION OBSTRUCTION WARNING LIGHTING PLAN</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PROJECT \DOT Office\District 2\Projects\0208\DRM\State\Electrical\0208\11-jbt-lighting	CHECKED -	REVISED -					17	104B-2	CARROLL	528	162
	PLOT SCALE * 1/8" = 1'-0"	DATE -	REVISED -		SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____			CONTRACT NO. <b>64059</b>				
	PLOT DATE * Mar-06-2015 10:47:34 AM				ILLINOIS FED. AID PROJECT							

**NOTES:**

1. CONDUIT TRANSITION AT SOUTH PARAPET WALL IS SIMILAR EXCEPT ONLY ONE CONDUIT EXISTS THE WALL AND ENTERS THE GIRDER IN THAT LOCATION.
2. EXACT LOCATIONS OF JUNCTION BOXES AND CONDUIT SHALL BE ADJUSTED AS NECESSARY TO COORDINATE WITH BRIDGE PLANS AND SHALL BE ROUTED AS APPROVED BY THE ENGINEER.
3. LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT SHALL BE INSTALLED AS NEEDED TO ACCOMODATE DIFFERENTIAL MOVEMENT BETWEEN THE GIRDER AND BRIDGE DECK. GROMET SHALL BE INSTALLED TO PROTECT THE CONDUIT WHERE IT ENTERS TIE GIRDER.



FILE NAME: -	USER NAME: -	DESIGNED: -	REVISED: -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CONDUIT TRANSITION DETAILS</b>		F.A.R. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	10/28/06	10/28/06	10/28/06				17	109B-2	CARROLL	528	163
	PLOT SCALE: 1/8\"/>										
	PLOT DATE: Mar-06 2:15 18:47:54 AM	DATE: -	REVISED: -				SCALE: _____	SHEET _____	OF _____	SHEETS	STA. _____



- NOTES:
1. ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.
  2. CIRCUIT 4 AND 5 LOADING IS BASED ON 1.5A LOAD AT EACH RECEPTACLE AND POWER TOOL LOAD AT LAST RECEPTACLE (9.0A). TOTAL LOAD IS 19.5A. ONLY ONE POWER TOOL SHALL BE USED AT A TIME.
  3. JUNCTION BOX AT EACH FIXTURE ON CIRCUIT 3 NOT SHOWN FOR CLARITY. SEE NAV. OBSTRUCTION WARNING LIGHTING PLANS.
  4. JUNCTION BOX AT EACH MAINTENANCE RECEPTACLE ON CIRCUITS 4 AND 5 NOT SHOWN FOR CLARITY. SEE MAINTENANCE RECEPTACLE PLANS.

L-8

FILE NAME *	USER NAME * anknyde	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>WIRING DIAGRAM</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
g:\11804EB\INTEG\illinois.gov\PI\001\Documents\1001\Office\District 2\Projects\0201\DR\0201\Electrical\0201\Lighting		CHECKED -	REVISED -			17	104B-2	CARROLL	538	164
PLOT SCALE * 1/8" = 1' / in.		DATE -	REVISED -			CONTRACT NO. 64659		ILLINOIS FED. AID PROJECT		
PLOT DATE * Mar-06-2015 10:46:31 AM						SCALE:	SHEET	OF	SHEETS	STA.



**STATE OF ILLINOIS  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
LUMINAIRE PERFORMANCE TABLE – LED LUMINAIRE, HORIZONTAL  
MOUNT, LW**

**GIVEN CONDITIONS**

<b>ROADWAY DATA</b>	Pavement Width (in one direction only)	12 ft.
	Pavement Width (in opposite direction)	12 ft.
	Number of Lanes (in one direction only)	1
	Number of Lanes (in opposite direction)	1
	Median Width	N/A
	I.E.S. Surface Classification	R3
	Q-Zero Value	.07
<b>LIGHT POLE DATA</b>	Mounting Height	38 ft.
	Mast Arm Length	6 ft.
	Pole Set-Back From Edge of Pavement	9 ft.
<b>LUMINAIRE DATA</b>	Luminaire Type	LED
	Luminaire Lumens	10,000 min
	I.E.S. Vertical Distribution	Short or Medium
	Lamp Lumen Depreciation Factor	0.85 min.
	Luminaire BUG Rating (i.e. 3-0-3)	B2-U0-G2 or B3-U0-G2
	Dirt Depreciation Factor	0.80
	Equipment Factor	0.95
Total Light Loss Factor	0.646 min.	
<b>LAYOUT DATA</b>	Spacing	190 ft.
	Configuration	One Sided
	Luminaire Overhang over edge of pavement	-3 ft.

**NOTE:** Variations from the above specified I.E.S. distribution pattern may be requested and acceptance of variations will be subject to review by the Engineer based on how well the performance requirements are met.

**PERFORMANCE REQUIREMENTS**

**NOTE:** These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above. TM-21 and LM-80 reports, or TM-28 and LM-84 reports must be attached and must support the Lamp Lumen Depreciation Factor given above.

<b>ILLUMINATION</b>	Average Horizontal Illumination, $E_{AVE}$	$\geq 1$ Lux / 0.90 fc
	Uniformity Ratio, $E_{AVE}/E_{MIN}$	3.0:1
<b>LUMINANCE</b>	Average Luminance, $L_{AVE}$	0.60 Cd/m <sup>2</sup>
	Uniformity Ratio, $L_{AVE}/L_{MIN}$	3.5:1
	Uniformity Ratio, $L_{MAX}/L_{MIN}$	6.0:1
	Max. Veiling Luminance Ratio, $L_V/L_{AVE}$	0.30:1

**STATE OF ILLINOIS  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
LUMINAIRE PERFORMANCE TABLE – LED LUMINAIRE, HORIZONTAL  
MOUNT, MW**

**GIVEN CONDITIONS**

<b>ROADWAY DATA</b>	Pavement Width (in one direction only)	12 ft.
	Pavement Width (in opposite direction)	12 ft.
	Number of Lanes (in one direction only)	1
	Number of Lanes (in opposite direction)	1
	Median Width	12 ft.
	I.E.S. Surface Classification	R3
	Q-Zero Value	.07
<b>LIGHT POLE DATA</b>	Mounting Height	45 ft.
	Mast Arm Length	15 ft.
	Pole Set-Back From Edge of Pavement	15 ft.
<b>LUMINAIRE DATA</b>	Luminaire Type	LED
	Luminaire Lumens	20,000 min
	I.E.S. Vertical Distribution	Short or Medium
	Lamp Lumen Depreciation Factor	0.85 min.
	Luminaire BUG Rating (i.e. 3-0-3)	B2-U0-G3 or B3-U0-G2
	Dirt Depreciation Factor	0.80
	Equipment Factor	0.95
Total Light Loss Factor	0.646 min.	
<b>LAYOUT DATA</b>	Spacing	175 ft.
	Configuration	One Sided
	Luminaire Overhang over edge of pavement	0 ft.

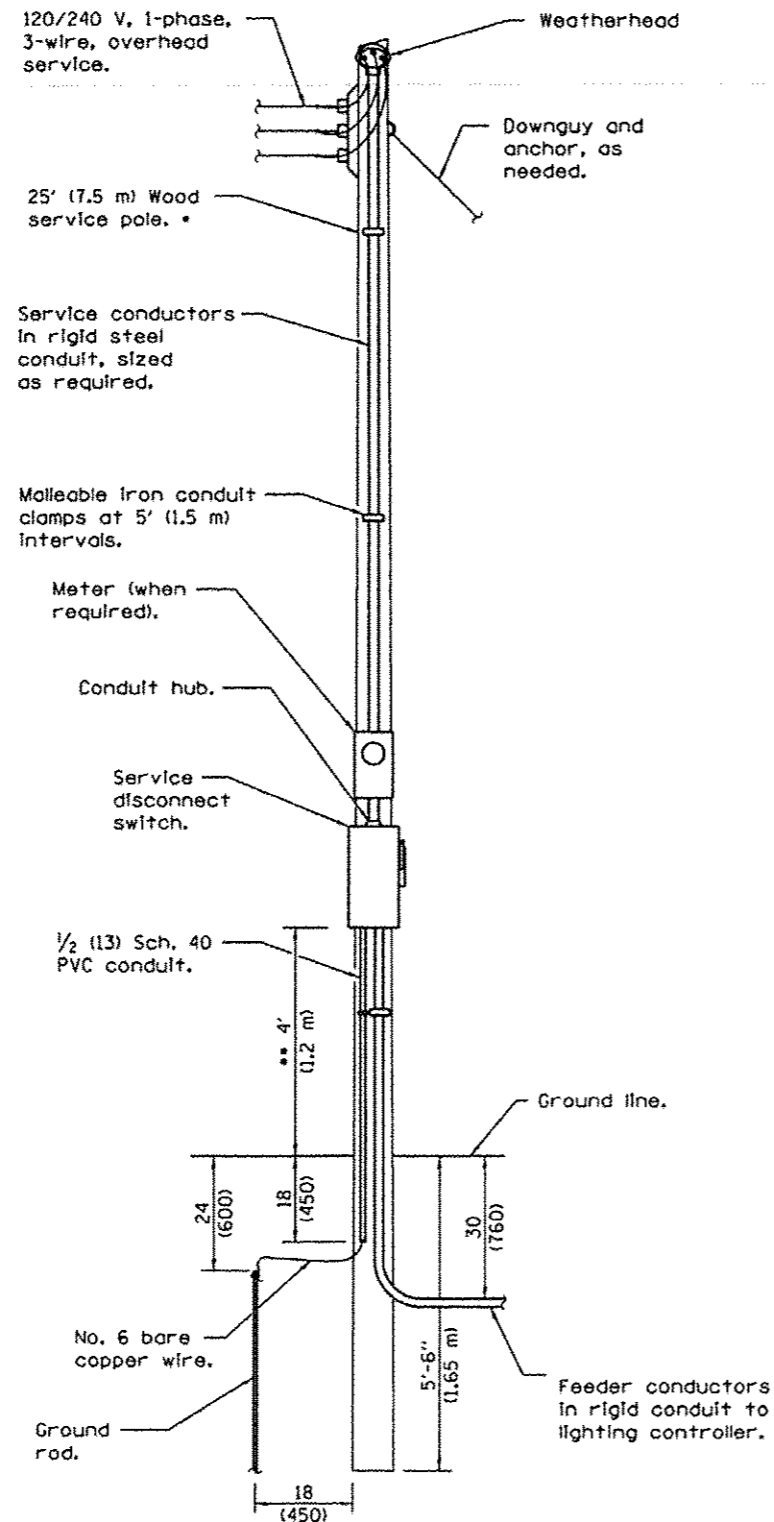
**NOTE:** Variations from the above specified I.E.S. distribution pattern may be requested and acceptance of variations will be subject to review by the Engineer based on how well the performance requirements are met.

**PERFORMANCE REQUIREMENTS**

**NOTE:** These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above. TM-21 and LM-80 reports, or TM-28 and LM-84 reports must be attached and must support the Lamp Lumen Depreciation Factor given above.

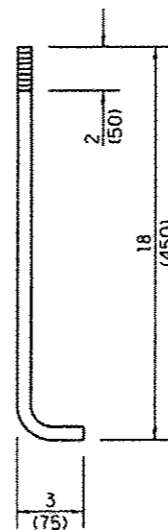
<b>ILLUMINATION</b>	Average Horizontal Illumination, $E_{AVE}$	$\geq 1$ Lux / 0.90 fc
	Uniformity Ratio, $E_{AVE}/E_{MIN}$	3.0:1
<b>LUMINANCE</b>	Average Luminance, $L_{AVE}$	0.60 Cd/m <sup>2</sup>
	Uniformity Ratio, $L_{AVE}/L_{MIN}$	3.5:1
	Uniformity Ratio, $L_{MAX}/L_{MIN}$	6.0:1
	Max. Veiling Luminance Ratio, $L_V/L_{AVE}$	0.30:1

L-9

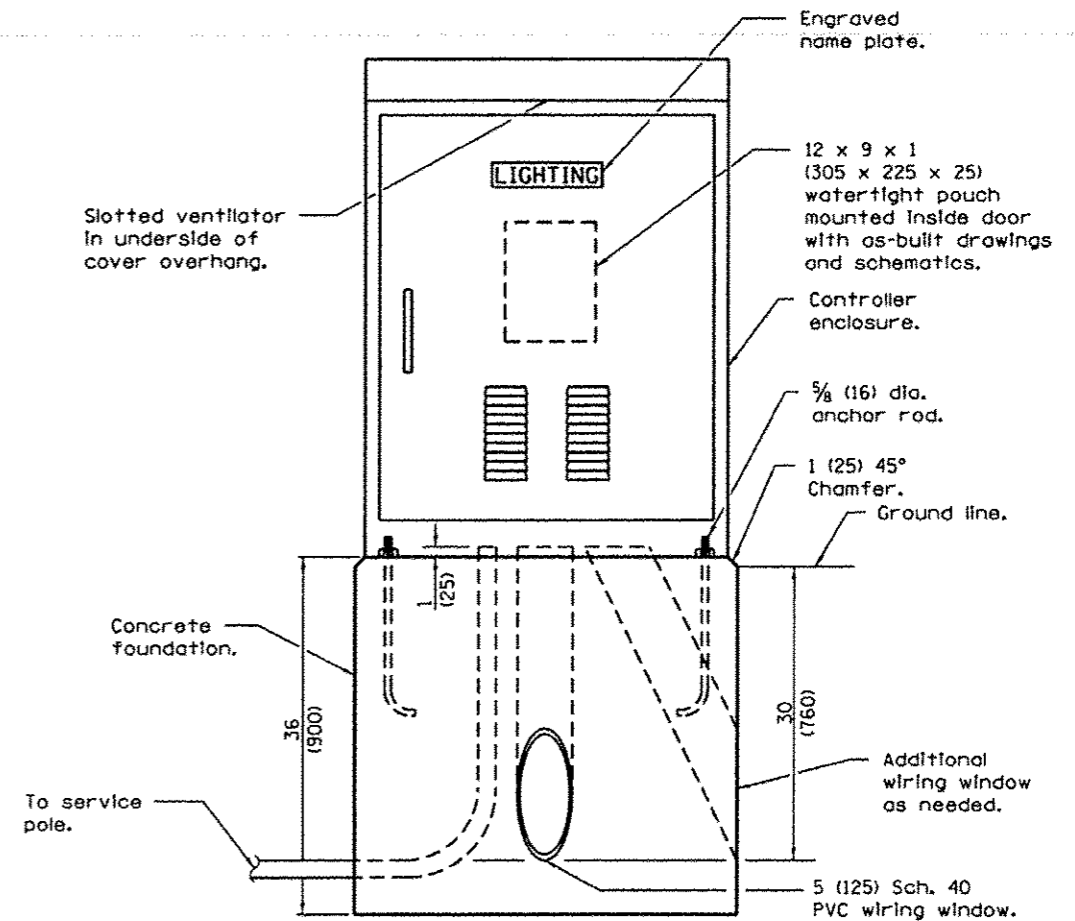


**ELECTRIC SERVICE INSTALLATION**

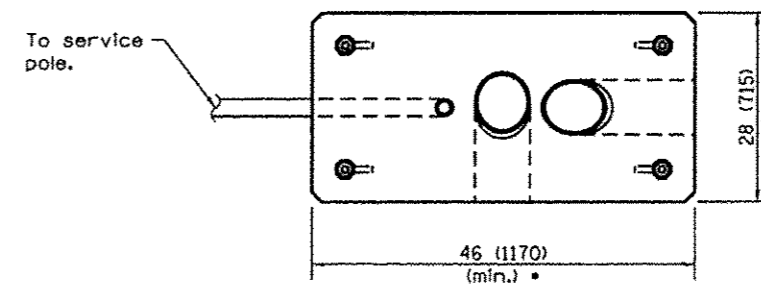
- \* Size larger as needed.
- \*\* Or as directed by Utility Company.



**ANCHOR ROD  
DETAIL**



**LIGHTING CONTROLLER**



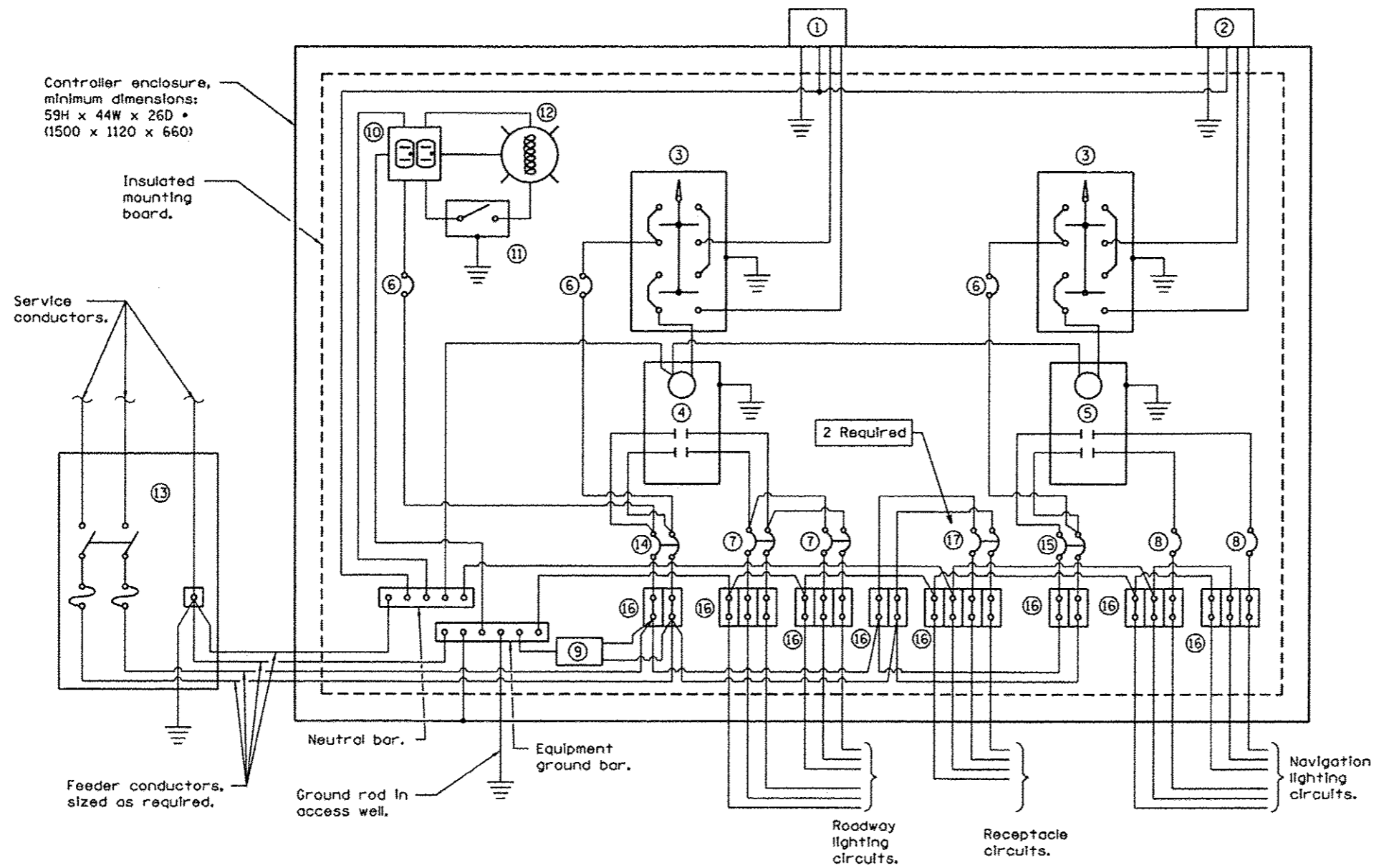
**FOUNDATION (PLAN)**

- (Work pad not shown.)
- \* Size larger as needed.

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

**NAVIGATION OBSTRUCTION  
LIGHTING CONTROLLER, 240V**

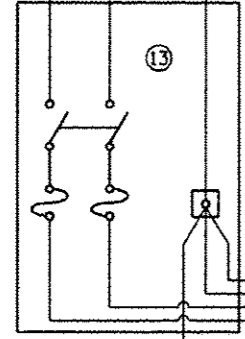
(Sheet 1 of 2)



Controller enclosure,  
minimum dimensions:  
59H x 44W x 26D •  
(1500 x 1120 x 660)

Insulated  
mounting  
board.

Service  
conductors.



Feeder conductors,  
sized as required.

Neutral bar.

Ground rod in  
access well.

Equipment  
ground bar.

2 Required

Roadway  
lighting  
circuits.

Receptacle  
circuits.

Navigation  
lighting  
circuits.

**CONTROL SCHEMATIC**

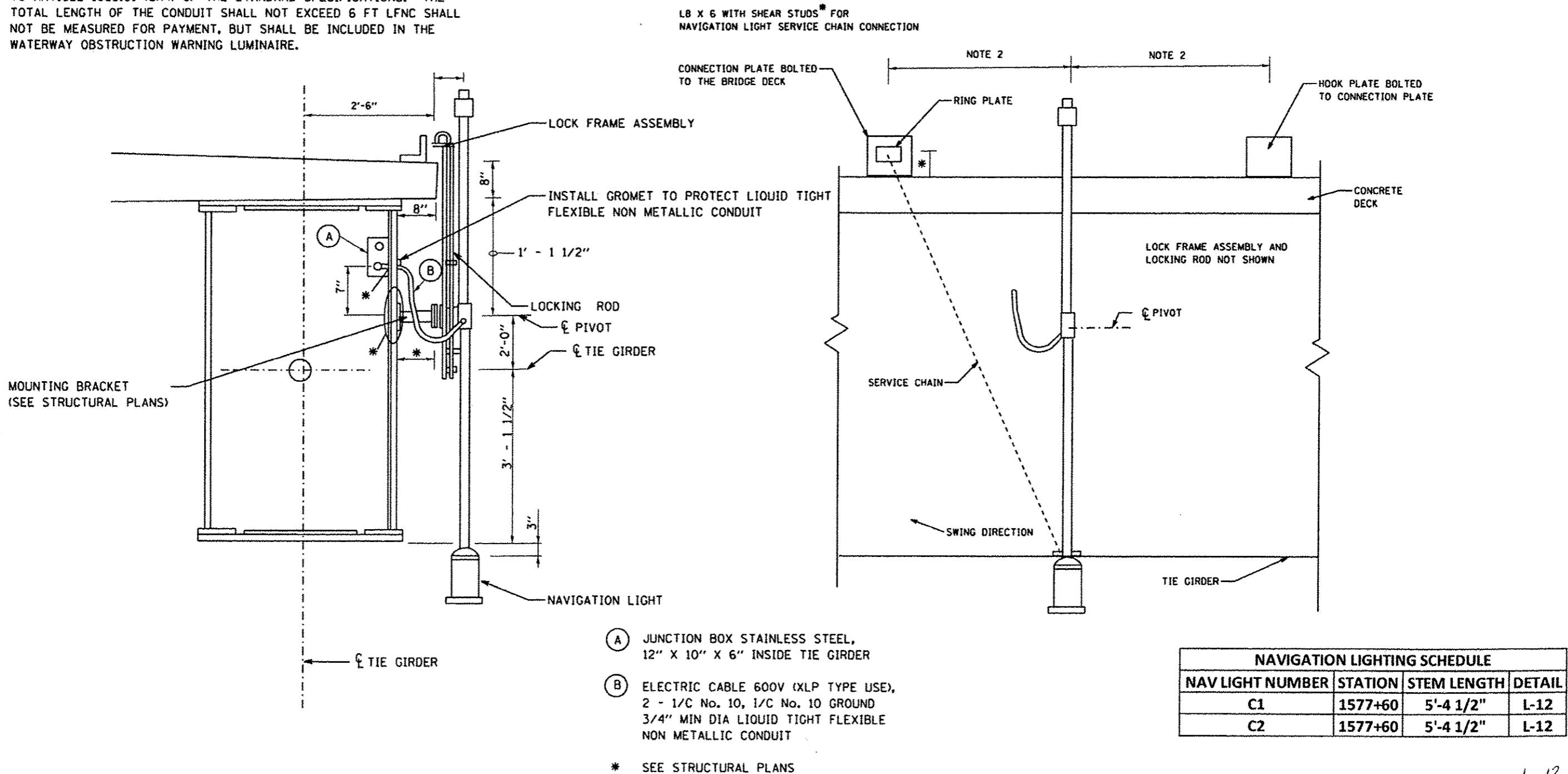
- ① Photocell with integral surge arrester for roadway lighting.
  - ② Photocell with integral surge arrester for navigation lighting.
  - ③ HAND-OFF-AUTO selector switch.
  - ④ 100 amp\*, electrically held contactor.
  - ⑤ 60 amp\*, electrically held contactor.
  - ⑥ 15 amp, 1-pole circuit breaker.
  - ⑦ 20 amp\*, 2-pole circuit breaker (two spares required but not shown).
  - ⑧ 20 amp\*, single-pole circuit breaker (two shown, quantity as required).
  - ⑨ Surge arrester.
  - ⑩ GFCI duplex receptacle.
  - ⑪ Single-pole, single-throw switch.
  - ⑫ Incandescent luminaire, enclosed and gasketed with 100 watt lamp.
  - ⑬ Service disconnect switch - 2-pole, 3-wire, 100 amp\*, fused at 100 amp\*, sold neutral in NEMA 4X enclosure having lockable external handle.
  - ⑭ 40 amp\*, 2-pole circuit breaker.
  - ⑮ 30 amp\*, 2-pole circuit breaker.
  - ⑯ Terminal block sized for conductors as shown on plans.
  - ⑰ 40 amp\*, 2-pole circuit breaker. (one shown, two required)
- \* Size larger as needed.

- Notes:
1. Circuit breakers and selector switches shall be labeled using stainless steel nameplates. The nameplate shall say "Roadway Lighting", "Navigation Lighting", "Maintenance Receptacles South Side" and "Maintenance Receptacles North Side" as applicable. Also label Roadway lighting branch circuits as "Bridge Lighting" and "IL84 Lighting".
  2. Shield the photocells from car headlights and barge spotlights.

**NAVIGATION OBSTRUCTION  
LIGHTING CONTROLLER, 240V**  
(Sheet 2 of 2)

NAVIGATION LIGHTING NOTES

1. THE NAVIGATION LIGHT MOUNTING BRACKETS SHALL BE INCLUDED IN THE COST OF STRUCTURAL STEEL
2. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF THE RING AND HOOK PLATES AND LENGTH OF THE SERVICE CHAIN BASED ON FIELD CONDITIONS.
3. LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT (LFNC) SHALL BE INSTALLED AS SHOWN ON THE PLANS AND SHALL BE ACCORDING TO ARTICLE 1088.01 (a)(4) OF THE STANDARD SPECIFICATIONS. THE TOTAL LENGTH OF THE CONDUIT SHALL NOT EXCEED 6 FT LFNC SHALL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE INCLUDED IN THE WATERWAY OBSTRUCTION WARNING LUMINAIRE.



- (A) JUNCTION BOX STAINLESS STEEL, 12" X 10" X 6" INSIDE TIE GIRDER
- (B) ELECTRIC CABLE 600V (XLP TYPE USE), 2 - 1/C No. 10, 1/C No. 10 GROUND 3/4" MIN DIA LIQUID TIGHT FLEXIBLE NON METALLIC CONDUIT

\* SEE STRUCTURAL PLANS

NAVIGATION LIGHTING SCHEDULE			
NAV LIGHT NUMBER	STATION	STEM LENGTH	DETAIL
C1	1577+60	5'-4 1/2"	L-12
C2	1577+60	5'-4 1/2"	L-12

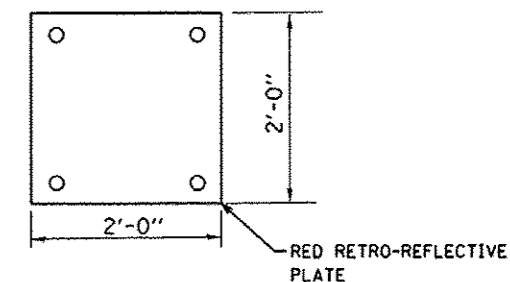
L-12

NAVIGATION LIGHTING NOTES

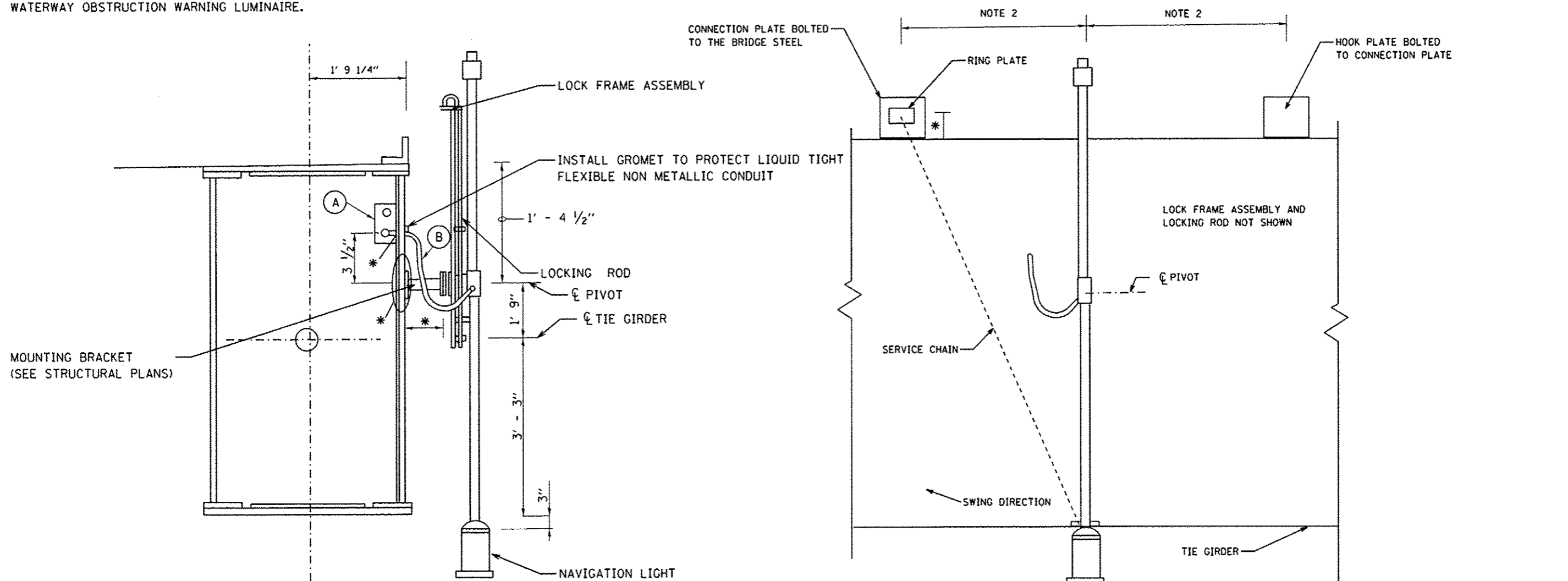
1. THE NAVIGATION LIGHT MOUNTING BRACKETS SHALL BE INCLUDED IN THE COST OF STRUCTURAL STEEL
2. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF THE RING AND HOOK PLATES AND LENGTH OF THE SERVICE CHAIN BASED ON FIELD CONDITIONS.
3. LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT (LFNC) SHALL BE INSTALLED AS SHOWN ON THE PLANS AND SHALL BE ACCORDING TO ARTICLE 1088.01 (a)(4) OF THE STANDARD SPECIFICATIONS. THE TOTAL LENGTH OF THE CONDUIT SHALL NOT EXCEED 6 FT LFNC SHALL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE INCLUDED IN THE WATERWAY OBSTRUCTION WARNING LUMINAIRE.

4. THE COST OF RETRO-REFLECTIVE PLATE SHALL BE INCLUDED IN THE COST OF WATERWAY OBSTRUCTION WARNING LUMINAIRE, LED.
5. THE UPSTREAM AND DOWNSTREAM SIDES OF THE WATERSIDE PIERS SHALL BE MARKED WITH A RETRO-REFLECTIVE PLATE.

RED RETRO-REFLECTIVE PANEL DETAIL



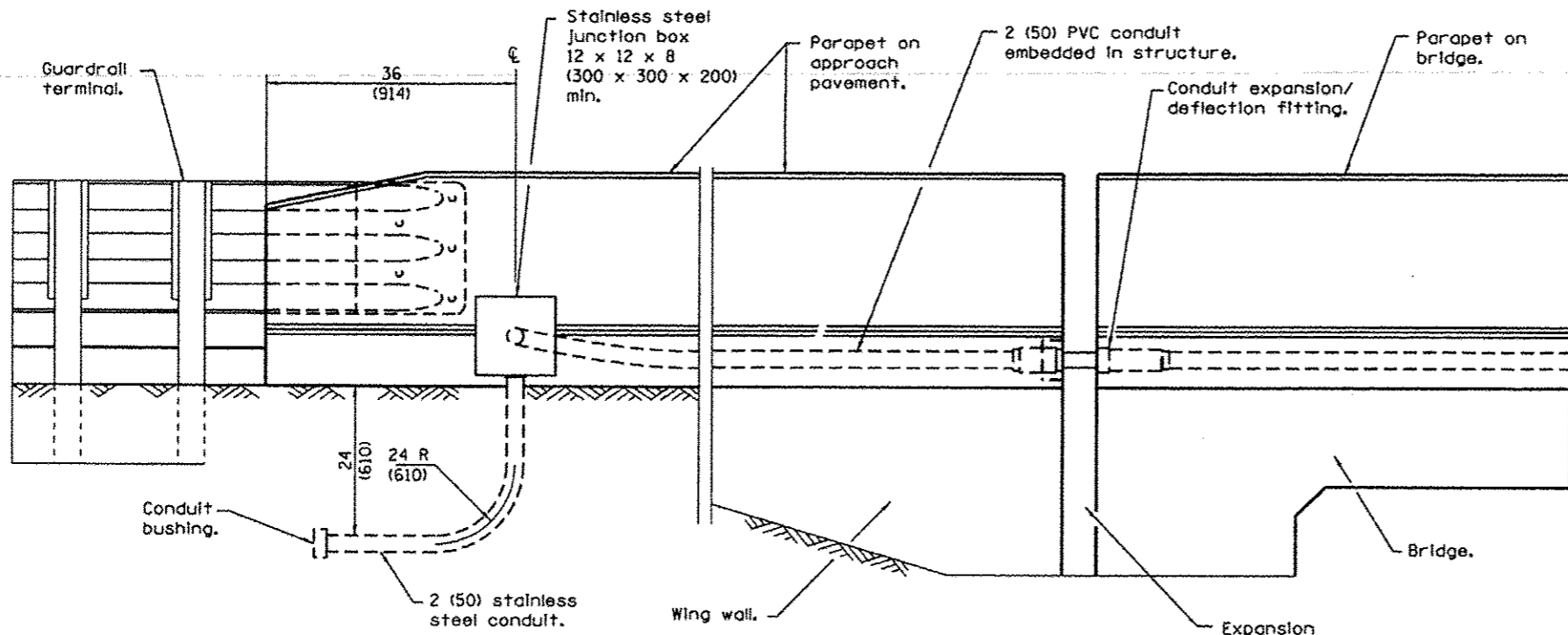
L8 X 6 BOLTED TO TIE GIRDER\* FOR NAVIGATION LIGHT SERVICE CHAIN CONNECTION



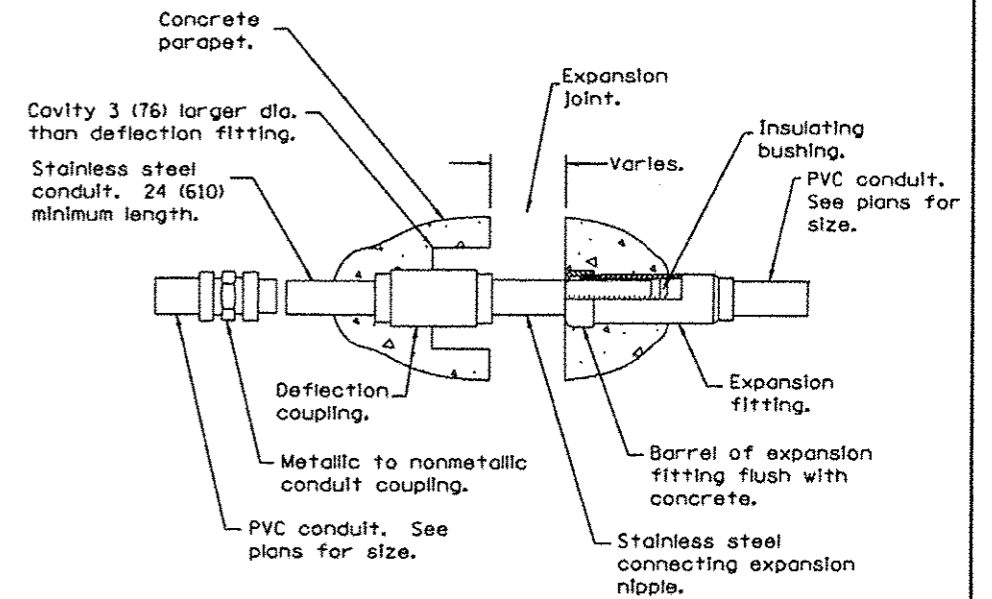
- (A) JUNCTION BOX STAINLESS STEEL, 12" X 10" X 6" INSIDE TIE GIRDER
- (B) ELECTRIC CABLE 600V (XLP TYPE USE), 2 - 1/C No. 10, 1/C No. 10 GROUND 3/4" MIN DIA LIQUID TIGHT FLEXIBLE NON METALLIC CONDUIT
- \* SEE STRUCTURAL PLANS

NAVIGATION LIGHTING SCHEDULE			
NAV LIGHT NUMBER	STATION	STEM LENGTH	DETAIL
W1	1575+06	5'-3"	L-13
E1	1580+14	5'-3"	L-13
W2	1575+06	5'-3"	L-13
E2	1580+14	5'-3"	L-13

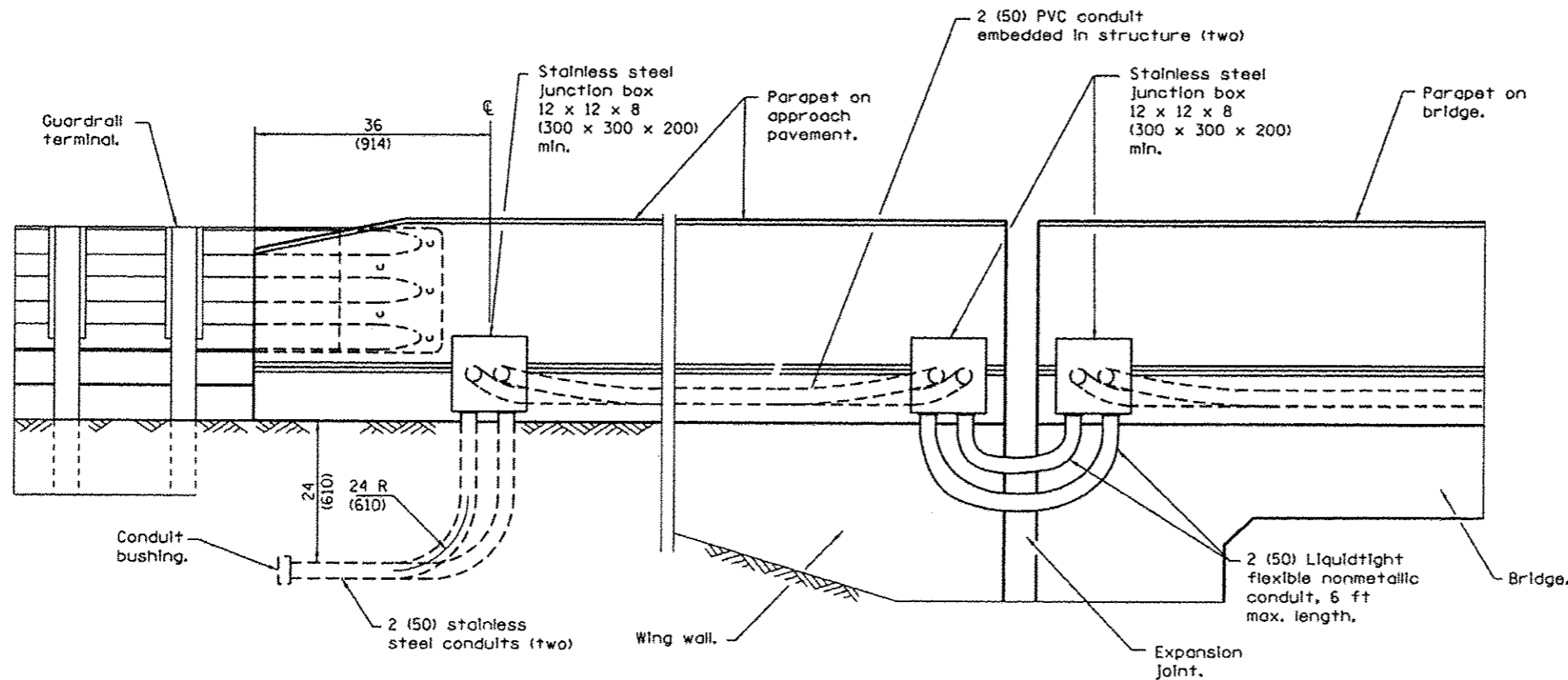
L-13



**JOINTED ABUTMENT WITH  
PARAPET ON APPROACH PAVEMENT  
(WEST ABUTMENT)**



**COMBINATION EXPANSION/DEFLECTION FITTING**



**JOINTED ABUTMENT WITH  
PARAPET ON APPROACH PAVEMENT  
(EAST ABUTMENT)**

**GENERAL NOTES**

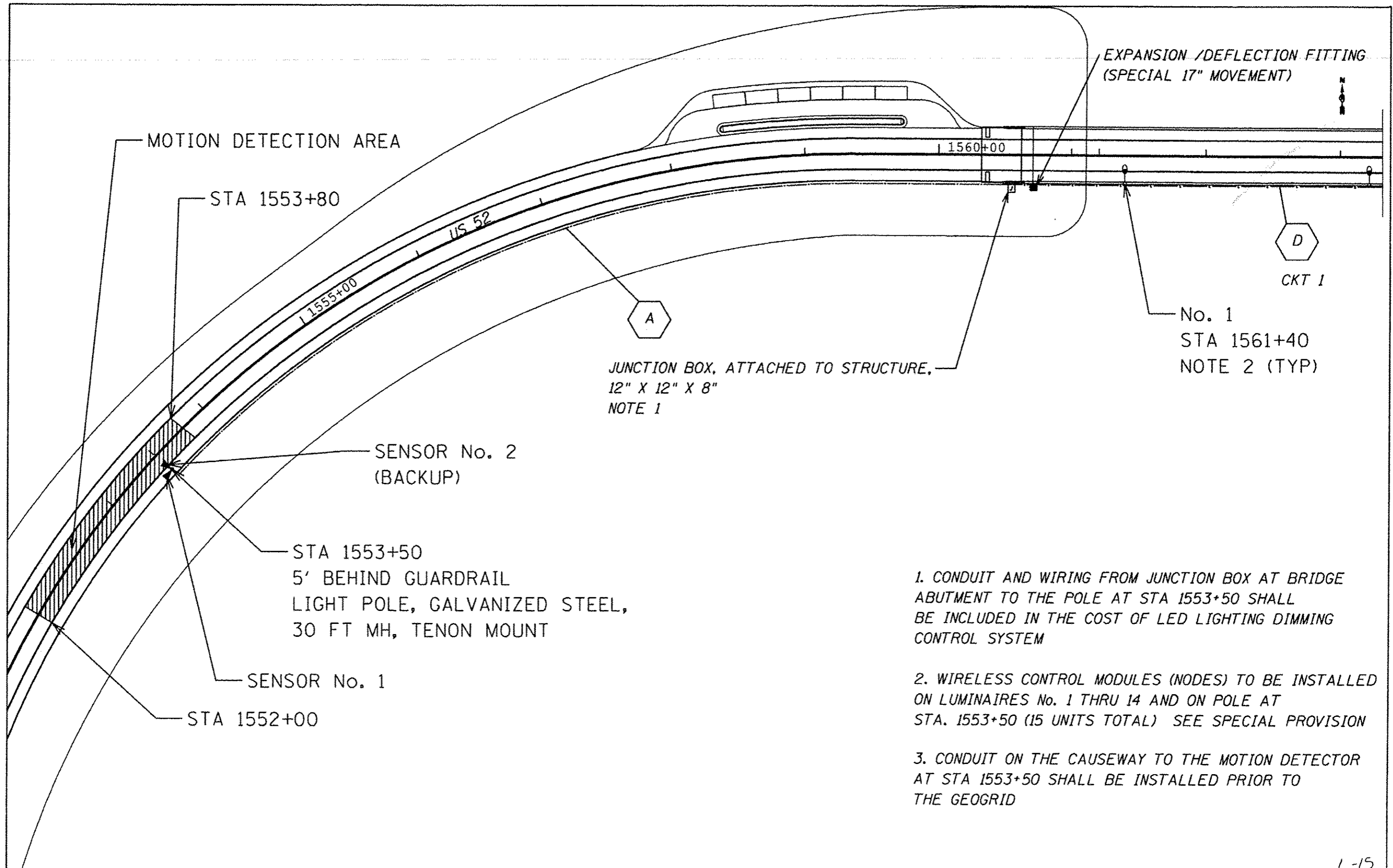
The barrel in the expansion fitting shall be fully embedded in the concrete on one side of the expansion joint. One half the length of the deflection fitting shall be embedded in the concrete on the other side of the expansion joint.

The Contractor shall install combination expansion deflection fittings at all bridge expansion joints.

With the approval of the Engineer, the Contractor may substitute two 12 x 12 x 6 (300 x 300 x 150) min. stainless steel junction boxes attached to back of wall and connected with liquidtight flexible nonmetallic conduit for all expansion joints.

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

**RACEWAY EMBEDDED  
IN STRUCTURE**



JUNCTION BOX, ATTACHED TO STRUCTURE,  
12" X 12" X 8"  
NOTE 1

No. 1  
STA 1561+40  
NOTE 2 (TYP)

SENSOR No. 2  
(BACKUP)

STA 1553+50  
5' BEHIND GUARDRAIL  
LIGHT POLE, GALVANIZED STEEL,  
30 FT MH, TENON MOUNT

SENSOR No. 1

STA 1552+00

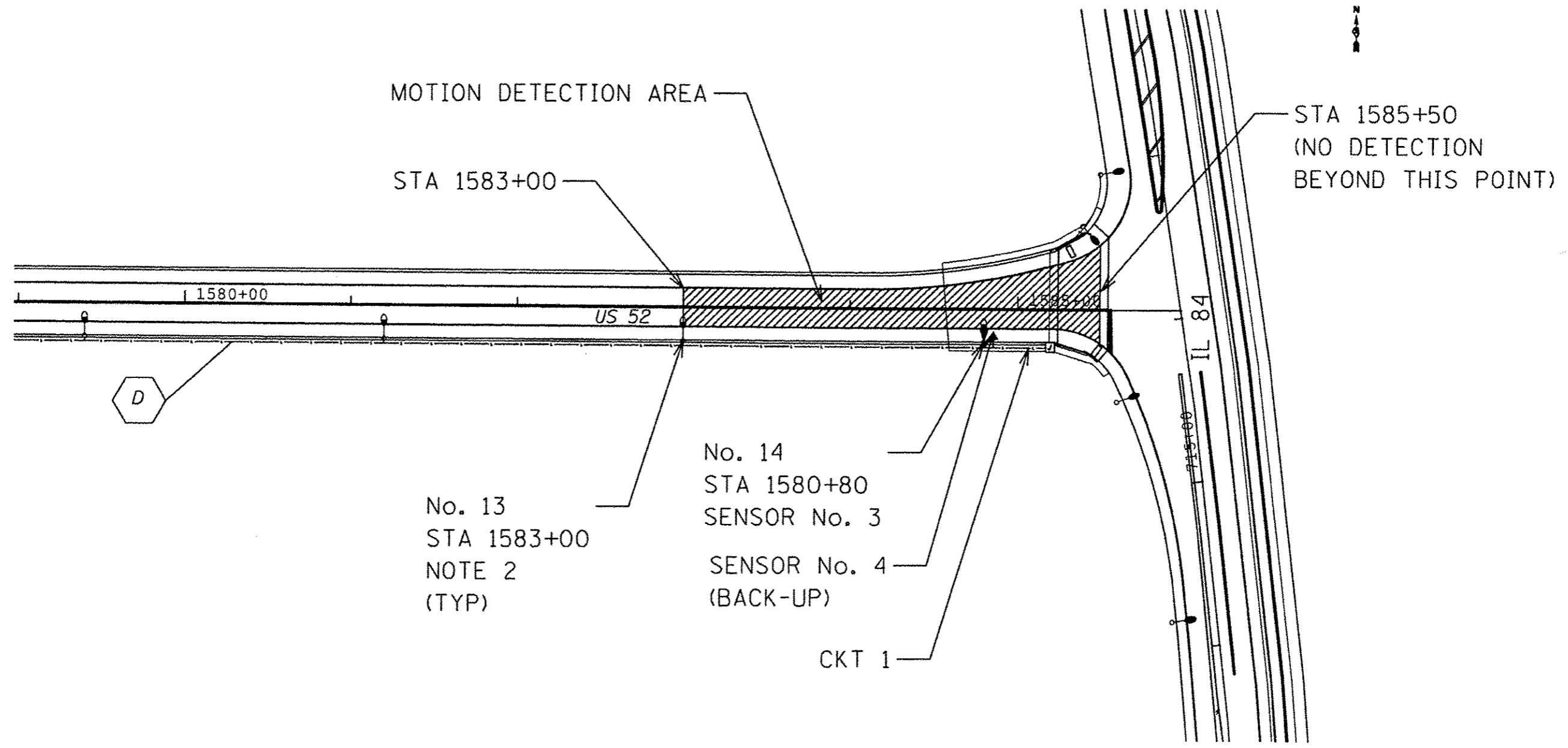
1. CONDUIT AND WIRING FROM JUNCTION BOX AT BRIDGE ABUTMENT TO THE POLE AT STA 1553+50 SHALL BE INCLUDED IN THE COST OF LED LIGHTING DIMMING CONTROL SYSTEM

2. WIRELESS CONTROL MODULES (NODES) TO BE INSTALLED ON LUMINAIRES No. 1 THRU 14 AND ON POLE AT STA. 1553+50 (15 UNITS TOTAL) SEE SPECIAL PROVISION

3. CONDUIT ON THE CAUSEWAY TO THE MOTION DETECTOR AT STA 1553+50 SHALL BE INSTALLED PRIOR TO THE GEOGRID

L-15

FILE NAME *	USER NAME * arknyde	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BRIDGE LIGHTING WIRELESS CONTROL SYSTEM PLAN - WEST APPROACH</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	Default	CHECKED -	REVISED -			17	104B-2	CARROLL	528	171	
PLOT SCALE * 205.9925' / in.	PLOT DATE * Mar-06-2015 10:52:21 AM	DATE -	REVISED -			SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 64059			
						ILLINOIS FED. AID PROJECT					



FILE NAME *	USER NAME * dunoanfe	DESIGNED -	REVISED -
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Default	PLOT SCALE * 200/9925' / in	CHECKED -	REVISED -
	PLOT DATE * Mar-09-2015 10:31:29 AM	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BRIDGE LIGHTING WIRELESS CONTROL  
SYSTEM PLAN - WEST APPROACH

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL	528	172
CONTRACT NO. 64059			ILLINOIS FER. AID PROJECT	

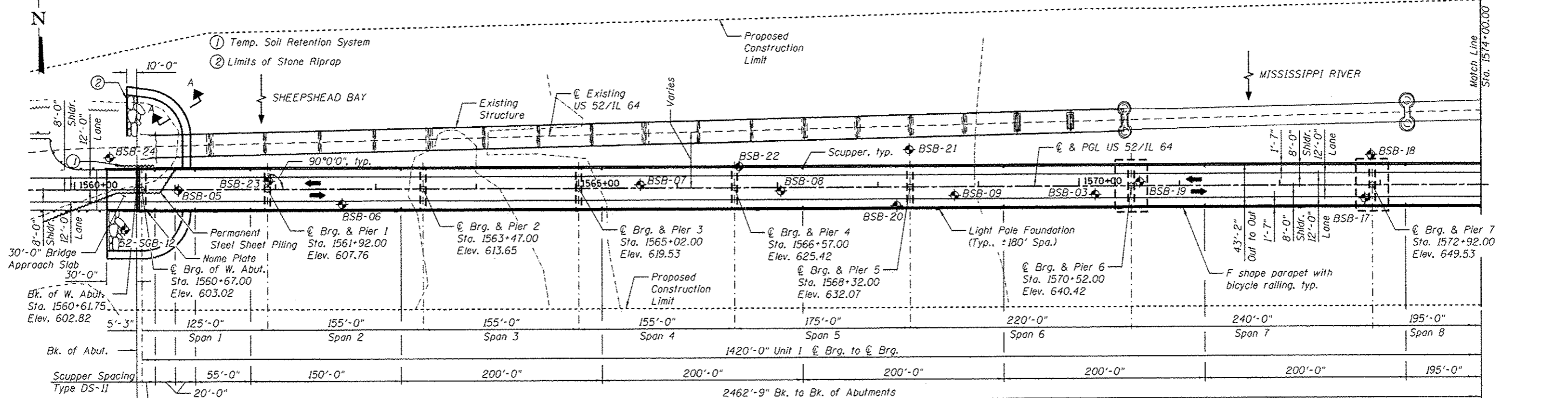
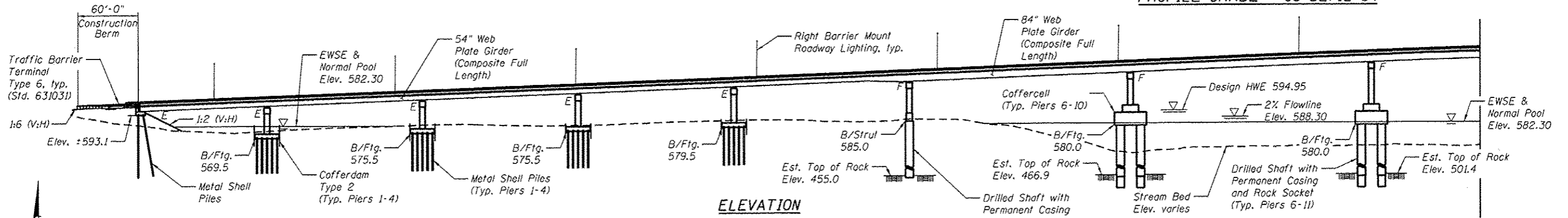
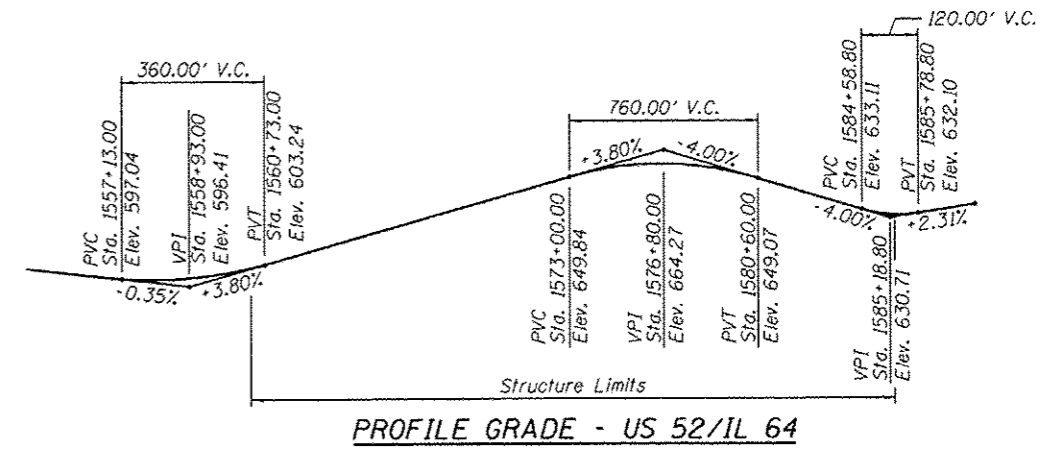
L-16



Benchmark:  
 BM CP5 - Concrete pedestal set south of the west abutment of Illinois River Bridge SN 008-6000 on US 52 @ Savanna Sta. 1560+65.46; Offset 24.85' L.I. NAVD 88 = 597.891 Ft.

Existing Structure: SN 008-6000 Steel girder, steel truss and concrete slab superstructure bridge on pile bents and piers. Approximately 50' to 100' upstream. Approximately 2470' long by 20' wide. Constructed in 1932. To be removed after new structure is complete.  
 Traffic Control: none  
 Salvage existing Navigation Lighting, see note on sheet 179.

Notes:  
 All Elevations are given in NAVD 1988 Datum unless noted.  
 NAVD 1988 = NGVD 1929 - 0.10'.  
 EWSE = Estimated Water Surface Elevation.  
 HWE = High Water Elevation.  
 ⬢ Denotes soil boring.  
 For Section A-A see sheet 177.



**SEISMIC DATA**

Seismic Performance Zone (SPZ) = 1  
 Design Spectral Acceleration at 1.0 sec. ( $S_{D1}$ ) = 0.119g  
 Design Spectral Acceleration at 0.2 sec. ( $S_{D5}$ ) = 0.161g  
 Soil Site Class = D (West Abut., Piers 1-8)  
 Design Spectral Acceleration at 1.0 sec. ( $S_{D1}$ ) = 0.084g  
 Design Spectral Acceleration at 0.2 sec. ( $S_{D5}$ ) = 0.121g  
 Soil Site Class = C (Piers 9-11, East Abut.)

**DESIGN STRESSES**

FIELD UNITS  
 $f'_c$  = 3,500 psi  
 $f'_c$  = 4,000 psi (Drilled Shafts)  
 $f_y$  = 60,000 psi (Reinforcement)  
 $f_y$  = 50,000 psi (M270 Grade 50)  
 $f_y$  = 50,000 psi (M270 Grade HPS50W, Unit 2 Hanger Plates, Tie Girders & Knuckles)

**LOADING HL-93**

Allow 50#/sq. ft. for future wearing surface.

**DESIGN SPECIFICATIONS**

2012 AASHTO LRFD Bridge Design Specifications, 6th Edition with 2013 Interims

**APPROVE**  
 For Structural Adequacy Only

*[Signature]*  
 Engineer of Bridges & Structures



DATE: 3/12/15  
 EXPIRES: 11/30/16

**GENERAL PLAN & ELEVATION - 1**  
**US 52/IL 64 OVER THE MISSISSIPPI RIVER**  
 PUBLIC WATER  
 F.A.P. RTE. 17 - SEC. 104B-2  
 CARROLL (IL) AND JACKSON (IA) COUNTIES  
 STATION 1577+60.00  
 STRUCTURE NO. 008-0052

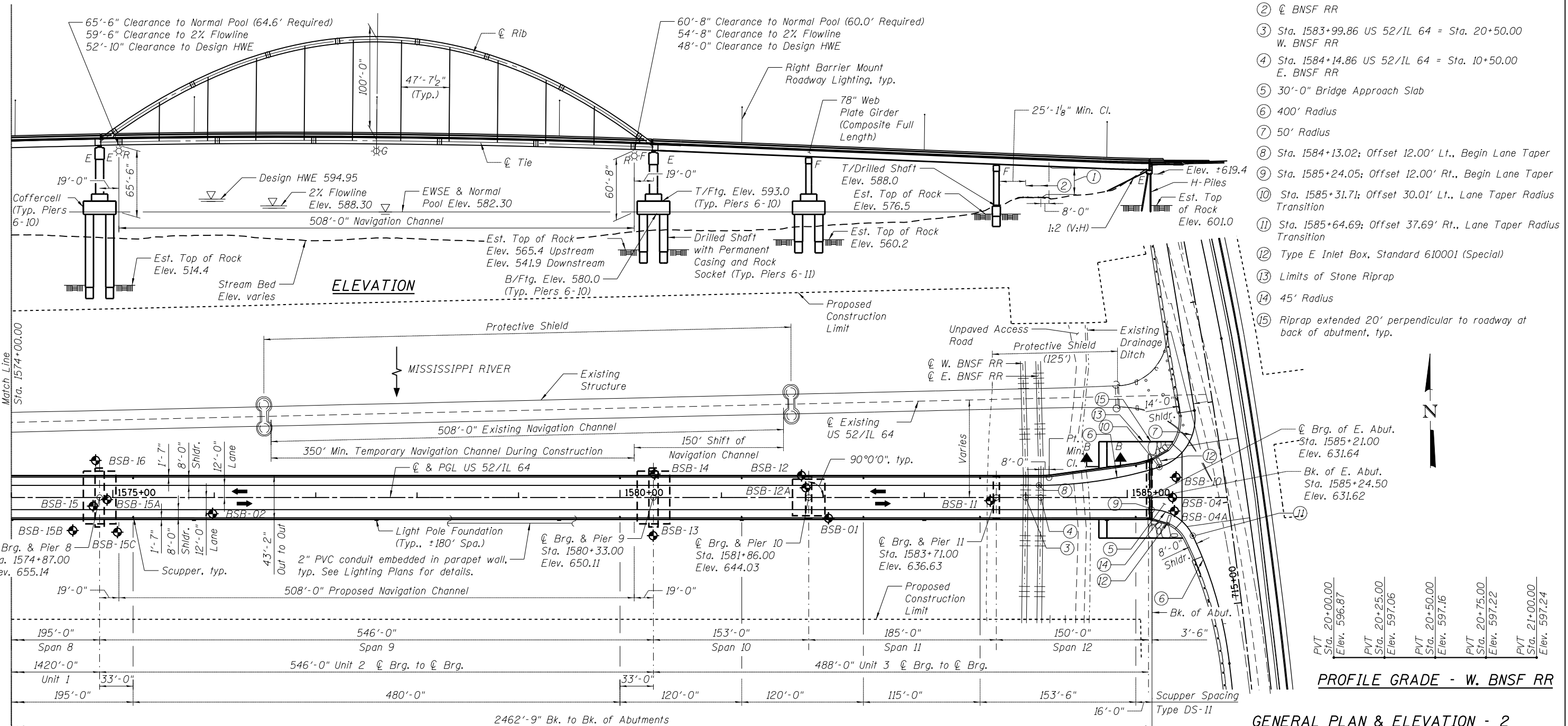
FILE NAME <b>PARSONS</b>	USER NAME	DESIGNED - TSB	REVISIONS	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SHEET NO. S-1 OF 177 SHEETS
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	PLOT DATE	DRAWN - HJV	REVISIONS	F.A.P. RTE. 17	SECTION 104B-2
		CHECKED - GTH	REVISIONS	COUNTY CARROLL	TOTAL SHEETS 528
				JACKSON (IA)	SHEET NO. 173
				CONTRACT NO. 64G59	

**WATERWAY INFORMATION**

Drainage Area = 85,500 sq. mi. Low Grade Elev. 596.98 @ Sta. 1557+43.0									
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Ten-Year	10	202,000	93,196.8	93,292.9	591.67	0.00	0.01	591.68	591.69
Design	50	259,000	122,842.9	122,919.8	594.94	0.00	0.01	594.94	594.95
Base	100	281,290	133,150.7	133,204.0	596.07	0.00	0.00	596.07	596.07
Max. Calc.	500	337,000	154,320.5	154,357.4	598.21	0.00	0.00	598.21	598.21

**Notes:**

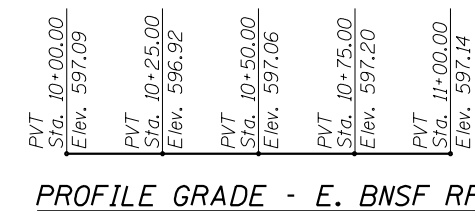
All Elevations are given in NAVD 1988 Datum unless noted.  
 EWSE = Estimated Water Surface Elevation.  
 HWE = High Water Elevation.  
 Ⓢ Denotes soil boring.  
 For Section B-B see sheet 177.



- ① 29'-0" Min. Cl.
- ② Ⓢ BNSF RR
- ③ Sta. 1583+99.86 US 52/IL 64 = Sta. 20+50.00 W. BNSF RR
- ④ Sta. 1584+14.86 US 52/IL 64 = Sta. 10+50.00 E. BNSF RR
- ⑤ 30'-0" Bridge Approach Slab
- ⑥ 400' Radius
- ⑦ 50' Radius
- ⑧ Sta. 1584+13.02; Offset 12.00' Lt., Begin Lane Taper
- ⑨ Sta. 1585+24.05; Offset 12.00' Rt., Begin Lane Taper
- ⑩ Sta. 1585+31.71; Offset 30.01' Lt., Lane Taper Radius Transition
- ⑪ Sta. 1585+64.69; Offset 37.69' Rt., Lane Taper Radius Transition
- ⑫ Type E Inlet Box, Standard 610001 (Special)
- ⑬ Limits of Stone Riprap
- ⑭ 45' Radius
- ⑮ Riprap extended 20' perpendicular to roadway at back of abutment, typ.

**DESIGN SCOUR ELEVATION TABLE**

Design Scour Elevation (ft.)	West Abut.	Pier 1	Pier 2	Pier 3	Pier 4	Pier 5	Pier 6	Pier 7	Pier 8	Pier 9	Pier 10	Pier 11	East Abut.
Q100	593.1	555.4	558.1	565.7	567.0	520.6	505.8	509.1	520.6	541.9	560.2	576.5	619.4
Q500	593.1	553.4	556.2	563.7	565.0	519.6	503.8	507.1	519.6	541.9	560.2	576.5	619.4



**PROFILE GRADE - W. BNSF RR**

**GENERAL PLAN & ELEVATION - 2**  
**US 52/IL 64 OVER THE MISSISSIPPI RIVER**  
**PUBLIC WATER**  
**F.A.P. RTE. 17 - SEC. 104B-2**  
**CARROLL (IL) AND JACKSON (IA) COUNTIES**  
**STATION 1577+60.00**  
**STRUCTURE NO. 008-0052**

**PARSONS**

FILE NAME =	USER NAME =	DESIGNED - PY	REVISED -
		CHECKED - GTH	REVISED -
		DRAWN - HJV	REVISED -
		CHECKED - GTH	REVISED -

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

SHEET NO. S-2 OF 177 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL	528	174
CONTRACT NO. 64G59				
ILLINOIS FED. AID PROJECT				

**INDEX OF SHEETS**

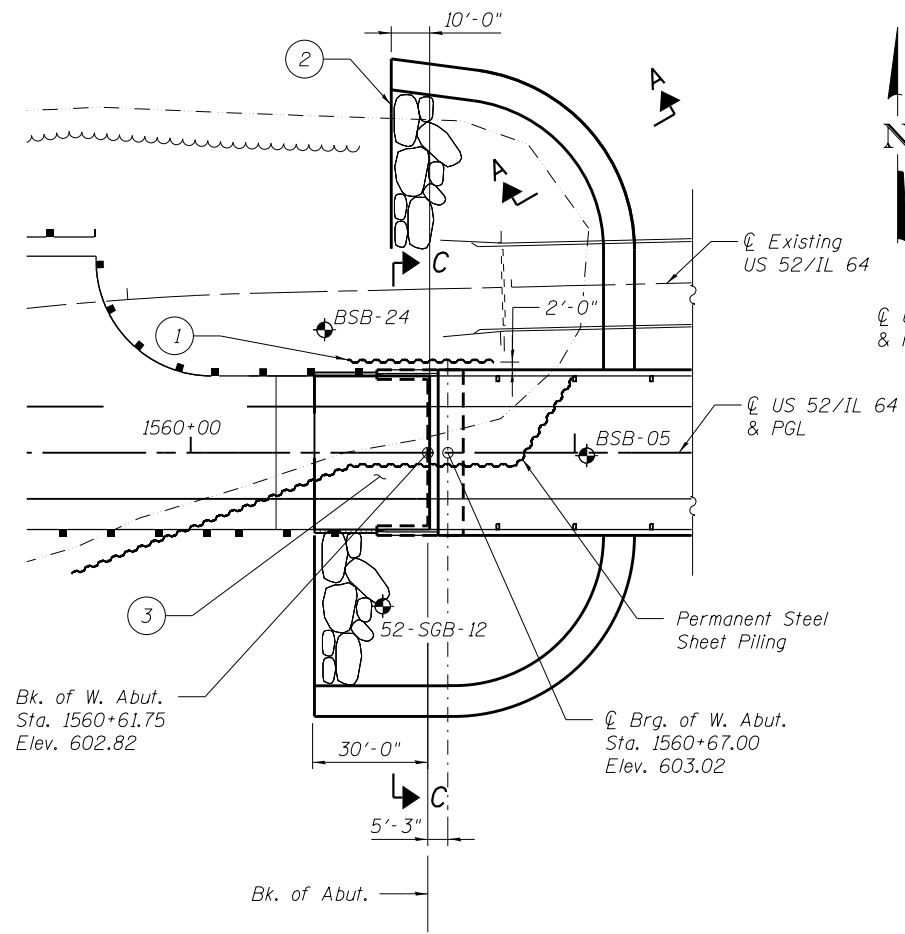
S-1	GENERAL PLAN AND ELEVATION - 1	S-63	DRAINAGE SCUPPER, DS-11	S-125	PIERS 1 THRU 4 FOUNDATION DETAILS
S-2	GENERAL PLAN AND ELEVATION - 2	S-64	FRAMING PLAN, UNIT 1 - 1	S-126	PIER 5 FOUNDATION DETAILS
S-3	INDEX OF SHEETS	S-65	FRAMING PLAN, UNIT 1 - 2	S-127	PIER 6 FOUNDATION DETAILS
S-4	GENERAL NOTES AND TOTAL BILL OF MATERIAL	S-66	GIRDER ELEVATION, UNIT 1 - 1	S-128	PIER 7 FOUNDATION DETAILS
S-5	SLOPE WALL PLANS AND DETAILS	S-67	GIRDER ELEVATION, UNIT 1 - 2	S-129	PIERS 1 THRU 7 DETAILS AND BILL OF MATERIAL - 1
S-6	SHEET PILE WALL DETAILS	S-68	STEEL DETAILS, UNIT 1 - 1	S-130	PIERS 1 THRU 7 DETAILS AND BILL OF MATERIAL - 2
S-7	MAINTENANCE OF NAVIGATION DETAILS	S-69	STEEL DETAILS, UNIT 1 - 2	S-131	PIER 8 PLAN AND ELEVATION
S-8	FOOTING LAYOUT - 1	S-70	STEEL DETAILS, UNIT 1 - 3	S-132	PIER 8 REINFORCEMENT - 1
S-9	FOOTING LAYOUT - 2	S-71	STRESS TABLES, UNIT 1	S-133	PIER 8 REINFORCEMENT - 2
S-10	FOOTING LAYOUT - 3	S-72	CAMBER DATA, UNIT 1	S-134	PIER 8 FOUNDATION DETAILS
S-11	TOP OF SLAB ELEVATIONS, UNIT 1 - 1	S-73	ARCH GEOMETRY - 1	S-135	PIER 8 DETAILS AND BILL OF MATERIAL
S-12	TOP OF SLAB ELEVATIONS, UNIT 1 - 2	S-74	ARCH GEOMETRY - 2	S-136	PIER 9 PLAN AND ELEVATION
S-13	TOP OF SLAB ELEVATIONS, UNIT 1 - 3	S-75	FRAMING PLAN, UNIT 2	S-137	PIER 9 REINFORCEMENT - 1
S-14	TOP OF SLAB ELEVATIONS, UNIT 1 - 4	S-76	KNUCKLE DETAILS - 1	S-138	PIER 9 REINFORCEMENT - 2
S-15	TOP OF SLAB ELEVATIONS, UNIT 1 - 5	S-77	KNUCKLE DETAILS - 2	S-139	PIER 9 FOUNDATION DETAILS
S-16	TOP OF SLAB ELEVATIONS, UNIT 1 - 6	S-78	KNUCKLE DETAILS - 3	S-140	PIER 9 DETAILS AND BILL OF MATERIAL
S-17	TOP OF SLAB ELEVATIONS, UNIT 1 - 7	S-79	KNUCKLE DETAILS - 4	S-141	PIERS 10 AND 11 PLAN AND ELEVATION
S-18	TOP OF SLAB ELEVATIONS, UNIT 1 - 8	S-80	KNUCKLE DETAILS - 5	S-142	PIER 10 FOUNDATION DETAILS
S-19	TOP OF SLAB ELEVATIONS, UNIT 1 - 9	S-81	TIE GIRDER DETAILS - 1	S-143	PIER 11 FOUNDATION DETAILS
S-20	TOP OF SLAB ELEVATIONS, UNIT 2 - 1	S-82	TIE GIRDER DETAILS - 2	S-144	PIERS 10 AND 11 DETAILS AND BILL OF MATERIAL
S-21	TOP OF SLAB ELEVATIONS, UNIT 2 - 2	S-83	TIE GIRDER DETAILS - 3	S-145	NAVIGATION CLEARANCE GAUGES AND ARCH GROUNDING
S-22	TOP OF SLAB ELEVATIONS, UNIT 2 - 3	S-84	ARCH RIB DETAILS - 1	S-146	METAL SHELL PILE DETAILS
S-23	TOP OF SLAB ELEVATIONS, UNIT 2 - 4	S-85	ARCH RIB DETAILS - 2	S-147	HP PILE DETAILS
S-24	TOP OF SLAB ELEVATIONS, UNIT 3 - 1	S-86	ARCH RIB DETAILS - 3	S-148	BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
S-25	TOP OF SLAB ELEVATIONS, UNIT 3 - 2	S-87	RIB BRACING DETAILS - 1	S-149	CANTILEVER FORMING BRACKETS FOR SUPERSTRUCTURES WITH W27 BEAMS AND SMALLER
S-26	TOP OF SLAB ELEVATIONS, UNIT 3 - 3	S-88	RIB BRACING DETAILS - 2	S-150	SOIL BORING LOGS - 1
S-27	TOP OF SLAB ELEVATIONS, UNIT 3 - 4	S-89	HANGER ASSEMBLY DETAILS - 1	S-151	SOIL BORING LOGS - 2
S-28	TOP OF WEST APPROACH SLAB ELEVATIONS	S-90	HANGER ASSEMBLY DETAILS - 2	S-152	SOIL BORING LOGS - 3
S-29	TOP OF EAST APPROACH SLAB ELEVATIONS	S-91	FLOOR BEAM DETAILS - 1	S-153	SOIL BORING LOGS - 4
S-30	DECK PLAN, UNIT 1 - 1	S-92	FLOOR BEAM DETAILS - 2	S-154	SOIL BORING LOGS - 5
S-31	DECK PLAN, UNIT 1 - 2	S-93	FLOOR BEAM DETAILS - 3	S-155	SOIL BORING LOGS - 6
S-32	DECK PLAN, UNIT 1 - 3	S-94	FLOOR BEAM DETAILS - 4	S-156	SOIL BORING LOGS - 7
S-33	DECK SECTION, UNIT 1	S-95	STRINGER ELEVATION	S-157	SOIL BORING LOGS - 8
S-34	DECK PLAN, UNIT 2	S-96	STRINGER DETAILS - 1	S-158	SOIL BORING LOGS - 9
S-35	DECK SECTION, UNIT 2	S-97	STRINGER DETAILS - 2	S-159	SOIL BORING LOGS - 10
S-36	DECK POURING SEQUENCE, UNIT 2	S-98	LOWER LATERAL BRACING DETAILS	S-160	SOIL BORING LOGS - 11
S-37	DECK PLAN, UNIT 3 - 1	S-99	STRESS TABLES, UNIT 2	S-161	SOIL BORING LOGS - 12
S-38	DECK PLAN, UNIT 3 - 2	S-100	SUGGESTED ERECTION SEQUENCE, UNIT 2	S-162	SOIL BORING LOGS - 13
S-39	DECK SECTION, UNIT 3	S-101	FRAMING PLAN, UNIT 3	S-163	SOIL BORING LOGS - 14
S-40	PARAPET AND RAILING ELEVATION, UNIT 1 - 1	S-102	GIRDER ELEVATION, UNIT 3	S-164	SOIL BORING LOGS - 15
S-41	PARAPET AND RAILING ELEVATION, UNIT 1 - 2	S-103	STEEL DETAILS, UNIT 3 - 1	S-165	SOIL BORING LOGS - 16
S-42	PARAPET AND RAILING ELEVATION, UNIT 1 - 3	S-104	STEEL DETAILS, UNIT 3 - 2	S-166	SOIL BORING LOGS - 17
S-43	PARAPET AND RAILING ELEVATION, UNIT 1 - 4	S-105	STEEL DETAILS, UNIT 3 - 3	S-167	SOIL BORING LOGS - 18
S-44	PARAPET AND RAILING ELEVATION, UNIT 2 - 1	S-106	STEEL DETAILS, UNIT 3 - 4	S-168	SOIL BORING LOGS - 19
S-45	PARAPET AND RAILING ELEVATION, UNIT 2 - 2	S-107	STRESS TABLES, UNIT 3	S-169	SOIL BORING LOGS - 20
S-46	PARAPET AND RAILING ELEVATION, UNIT 3 - 1	S-108	CAMBER DATA, UNIT 3	S-170	SOIL BORING LOGS - 21
S-47	PARAPET AND RAILING ELEVATION, UNIT 3 - 2	S-109	BEARING DETAILS, UNIT 1 - 1	S-171	SOIL BORING LOGS - 22
S-48	SUPERSTRUCTURE DETAILS	S-110	BEARING DETAILS, UNIT 1 - 2	S-172	SOIL BORING LOGS - 23
S-49	LIGHT POLE BASE DETAILS	S-111	BEARING DETAILS, UNIT 2 - 1	S-173	SOIL BORING LOGS - 24
S-50	CONCRETE PARAPET SLIPFORMING OPTION	S-112	BEARING DETAILS, UNIT 2 - 2	S-174	SOIL BORING LOGS - 25
S-51	SUPERSTRUCTURE BILL OF MATERIAL	S-113	BEARING DETAILS, UNIT 3 - 1	S-175	SOIL BORING LOGS - 26
S-52	WEST APPROACH SLAB PLAN	S-114	BEARING DETAILS, UNIT 3 - 2	S-176	SOIL BORING LOGS - 27
S-53	WEST APPROACH SLAB DETAILS	S-115	WEST ABUTMENT PLAN AND ELEVATION	S-177	SOIL BORING LOGS - 28
S-54	EAST APPROACH SLAB PLAN	S-116	WEST ABUTMENT WING WALL DETAILS		
S-55	EAST APPROACH SLAB DETAILS	S-117	WEST ABUTMENT DETAILS AND BILL OF MATERIAL		
S-56	BICYCLE RAILING (PARAPET MOUNTED) - 1	S-118	EAST ABUTMENT PLAN		
S-57	BICYCLE RAILING (PARAPET MOUNTED) - 2	S-119	EAST ABUTMENT ELEVATION, DETAILS AND BILL OF MATERIAL		
S-58	MODULAR EXPANSION JOINT, WEST ABUTMENT - 1	S-120	EAST ABUTMENT NORTH WING WALL DETAILS		
S-59	MODULAR EXPANSION JOINT, WEST ABUTMENT - 2	S-121	EAST ABUTMENT SOUTH WING WALL DETAILS		
S-60	MODULAR EXPANSION JOINT, PIER 8 - 1	S-122	PIERS 1 THRU 7 PLAN AND ELEVATION		
S-61	MODULAR EXPANSION JOINT, PIER 8 - 2	S-123	PIERS 1 THRU 7 REINFORCEMENT TABLES		
S-62	STRIP SEAL EXPANSION JOINTS	S-124	PIERS 1 THRU 4 PILE LAYOUT		

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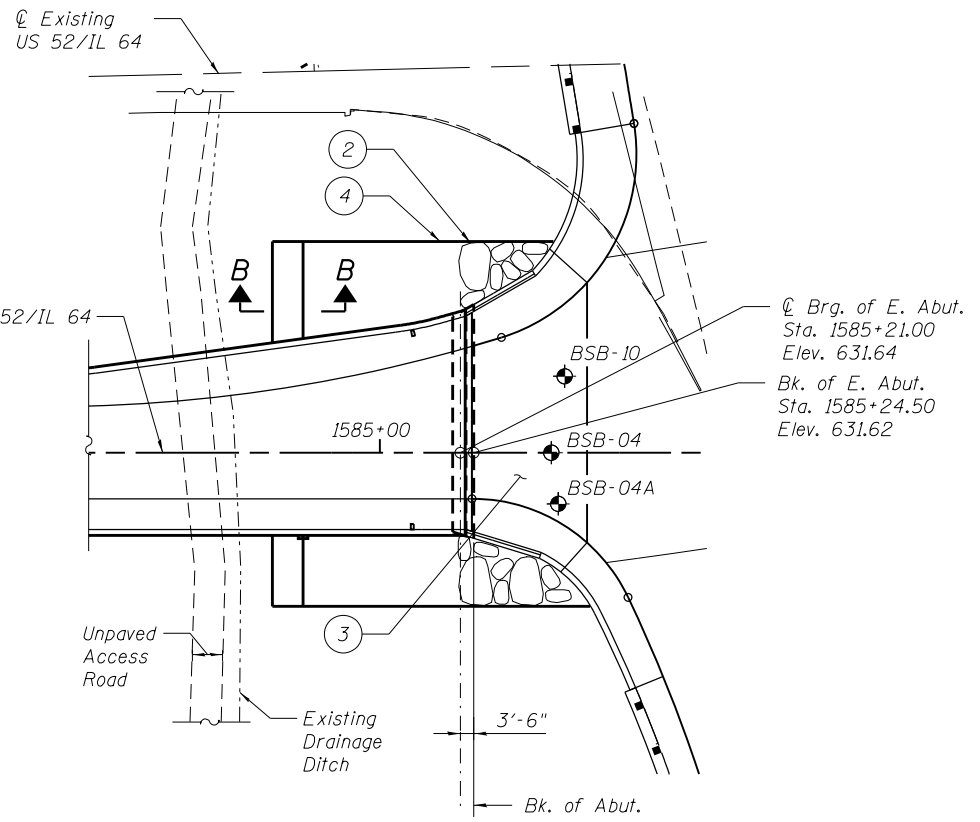
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PLOT SCALE =	DRAWN - HJV	REVISIED -	CONTRACT NO. 64G59							
PLOT DATE =	CHECKED - GTH	REVISIED -	SHEET NO. S-3 OF 177 SHEETS							
						ILLINOIS FED. AID PROJECT				



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PLAN - WEST ABUTMENT

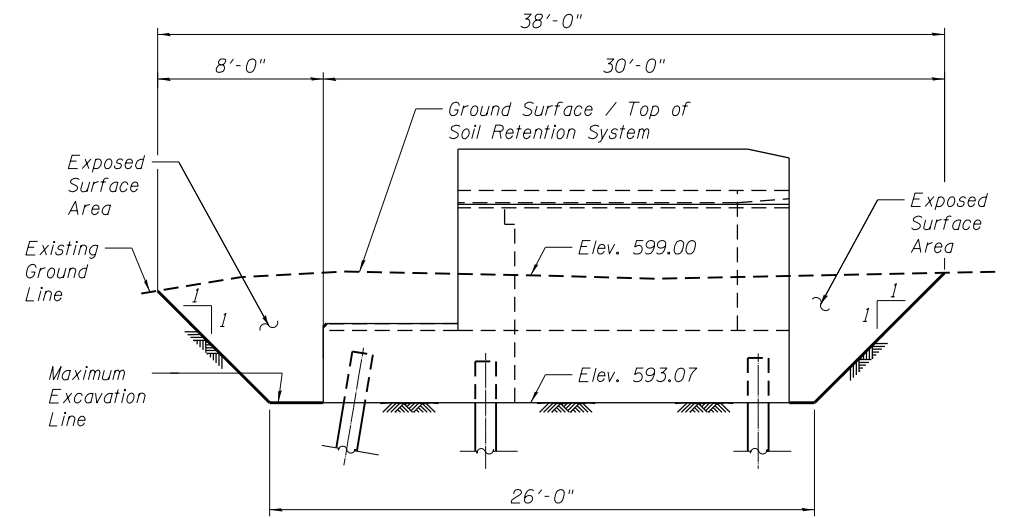


PLAN - EAST ABUTMENT

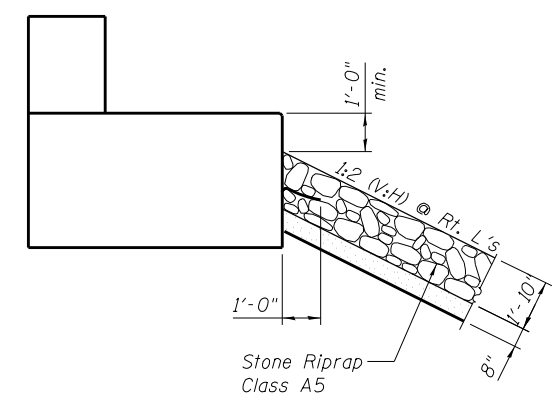
- 1 Temp. Soil Retention System
- 2 Limits of Stone Riprap
- 3 30'-0" Bridge Approach Slab
- 4 Riprap extended 20' perpendicular to roadway at back of abutment, typ.

**BILL OF MATERIAL**

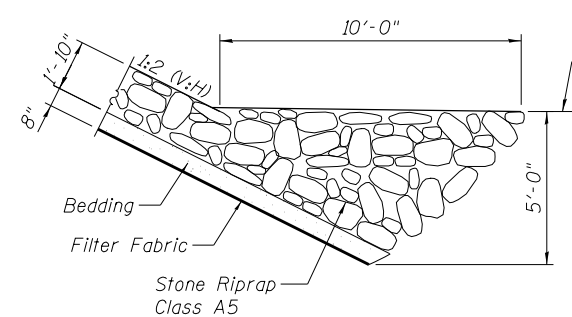
ITEM	UNIT	TOTAL
Temporary Soil Retention System	Sq. Ft.	192



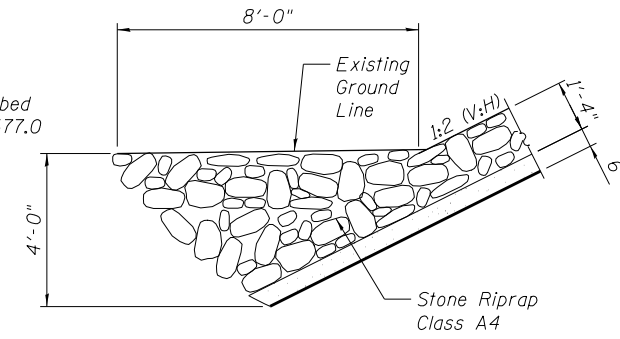
TEMPORARY SOIL RETENTION SYSTEM ELEVATION  
(At West Abutment)



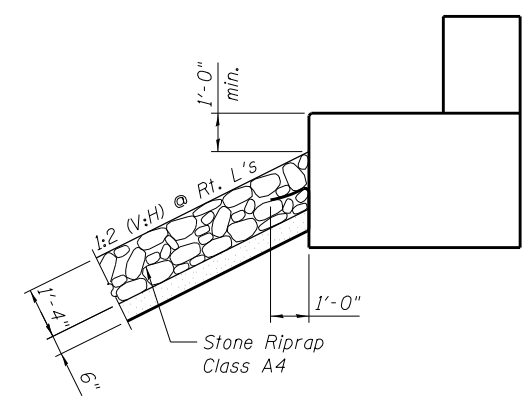
SECTION THRU WEST ABUTMENT  
RIPRAP SLOEWALL  
(Horz. dim. @ Rt. L's)



SECTION A-A



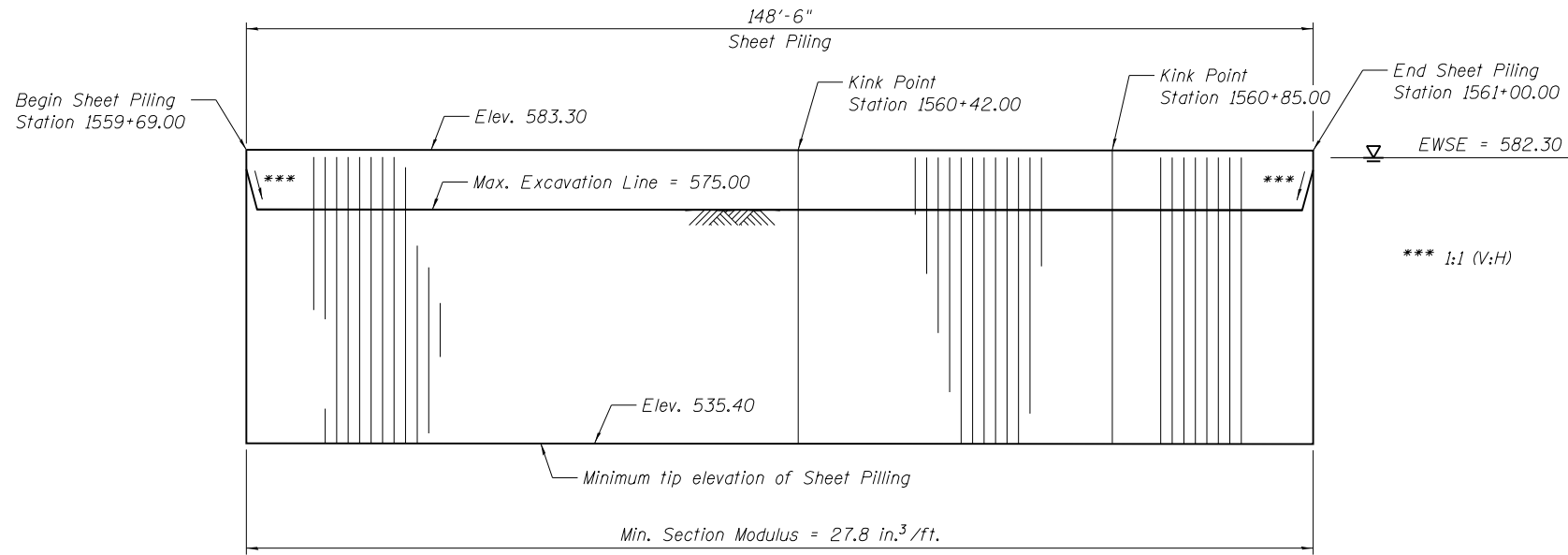
SECTION B-B



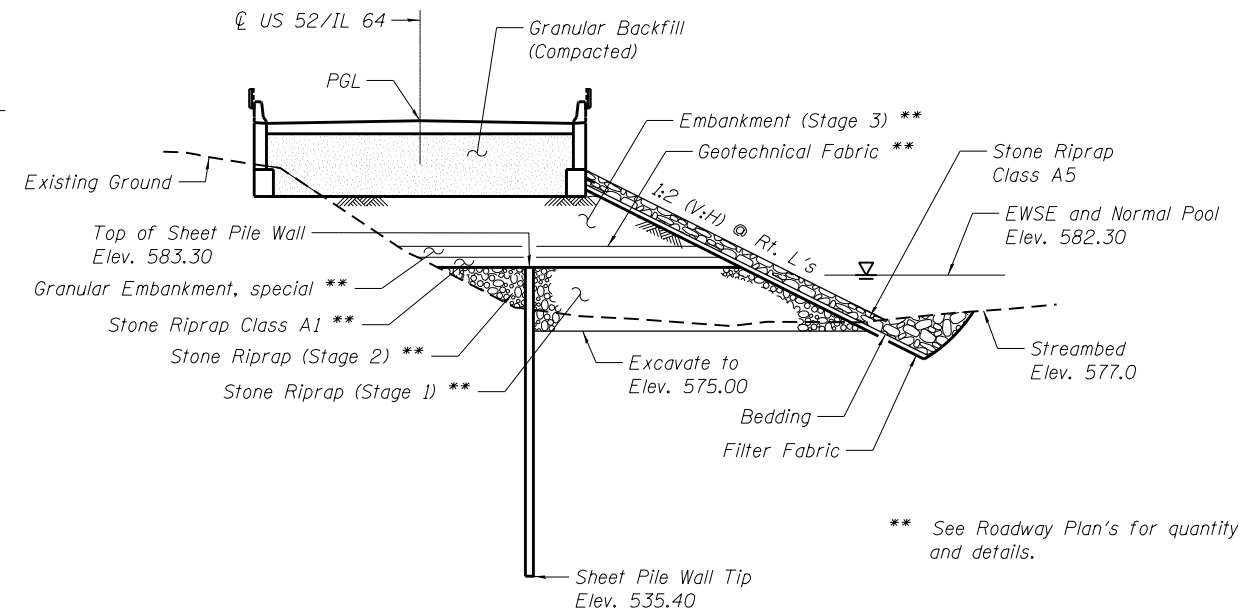
SECTION THRU EAST ABUTMENT  
RIPRAP SLOEWALL  
(Horz. dim. @ Rt. L's)

Notes:  
For Section C-C, see sheet 178.  
A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the engineer.

FILE NAME = <b>PARSONS</b>	USER NAME =	DESIGNED - GTH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SLOPE WALL PLANS AND DETAILS STRUCTURE NO. 008-0052	F.A.P. RTE. = 17	SECTION = 104B-2	COUNTY = CARROLL	TOTAL SHEETS = 528	SHEET NO. = 177
	PLOT SCALE =	DRAWN - HJV	REVISED -			SHEET NO. = 177	CONTRACT NO. 64G59			
	PLOT DATE =	CHECKED - RLD	REVISED -		SHEET NO. S-5 OF 177 SHEETS	ILLINOIS FED. AID PROJECT				

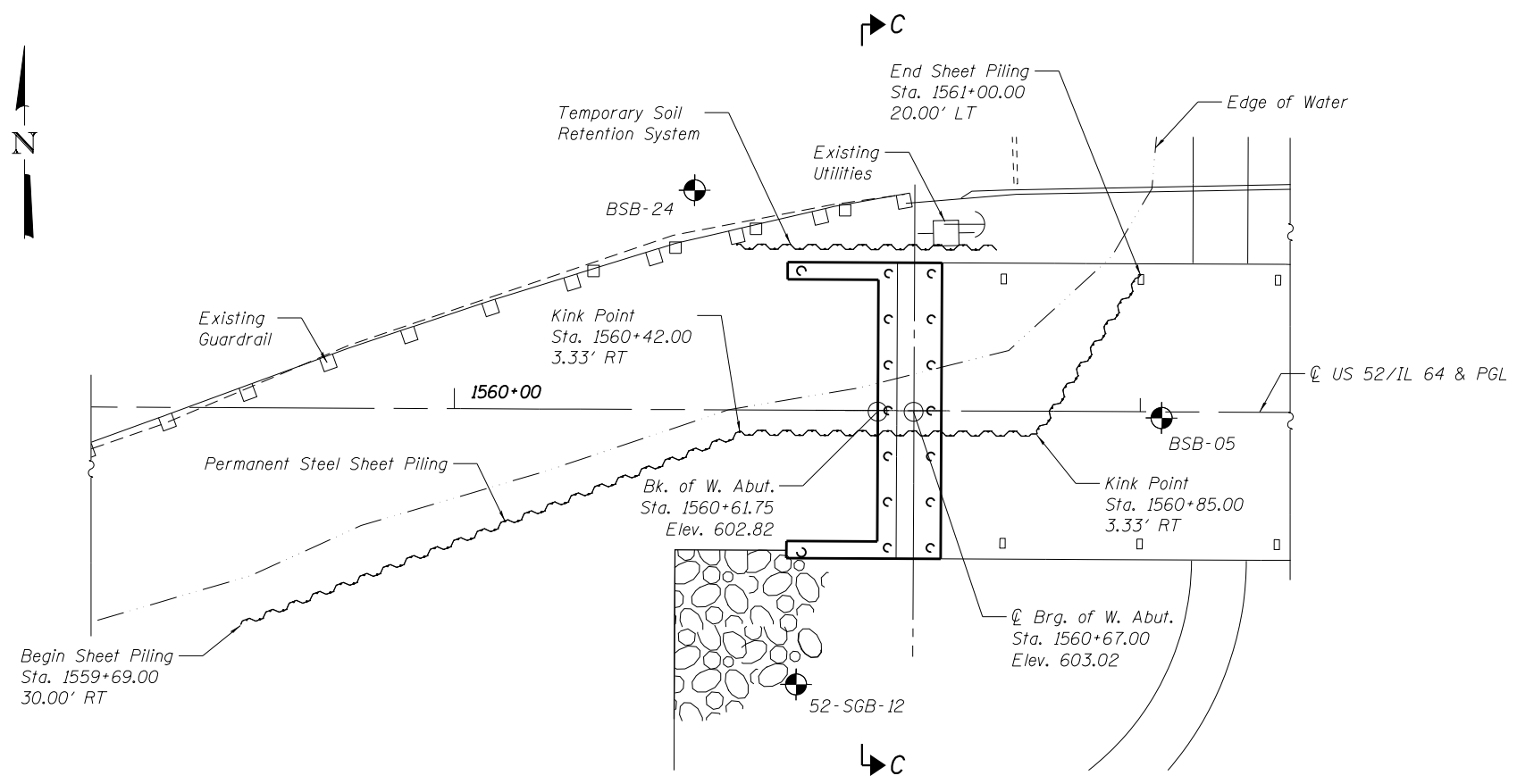


**DEVELOPED ELEVATION**



**SECTION C-C**

\*\* See Roadway Plan's for quantity and details.



**PLAN**

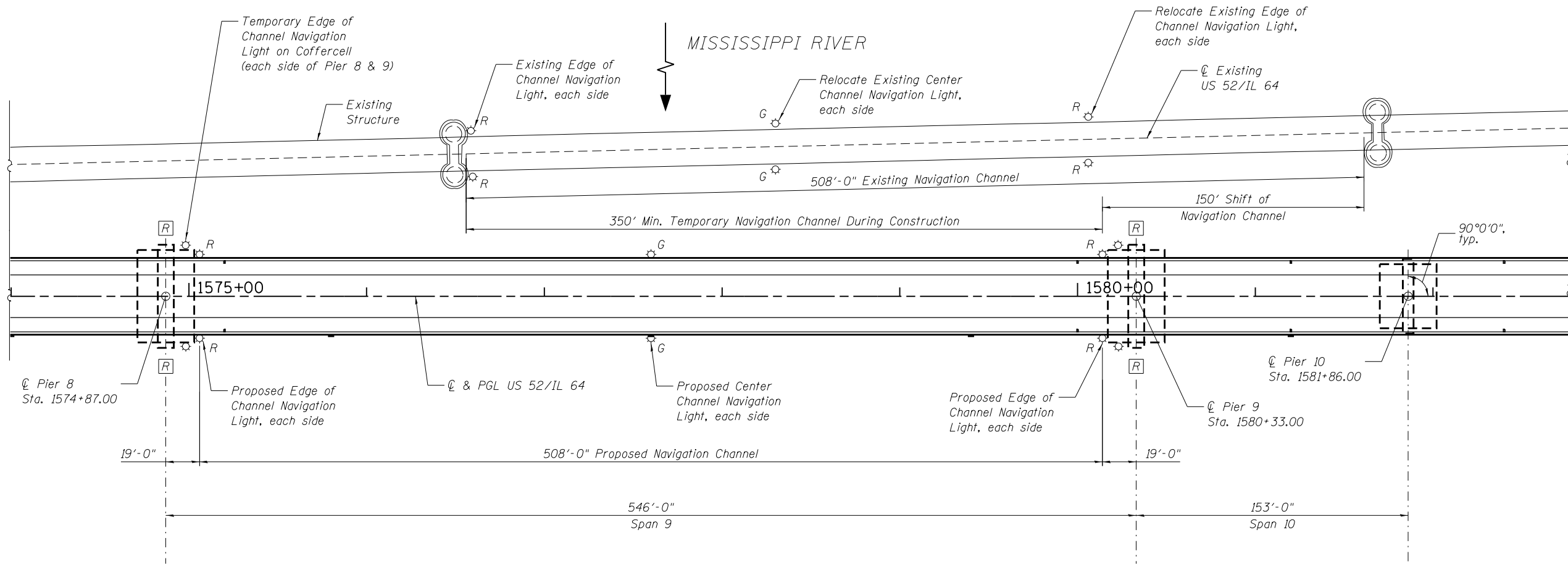
**BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Permanent Steel Sheet Piling	Sq. Ft.	7,114

Notes:  
For Soil Boring Logs see sheets 322 to 349.  
Offsets are given to the front face of sheeting.

- Suggested Construction Sequence:
1. Install sheet piling from West to East
  2. Excavate existing unsuitable soil\*\* in front of wall to Elev. 575.00
  3. Place Stage 1 riprap in front of wall
  4. Place Stage 2 riprap behind wall
  5. When approaching abutment, drive abutment piles ahead of placing riprap
  6. Place riprap around piles
  7. Place filter fabric and Stage 3 embankment in horizontal layers
  8. Place filter fabric and Class A5 riprap along slopewall

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**LEGEND**

- ⊙ Edge and Center Channel Navigation Lights
- Ⓜ Red Retro Reflective Panel
- R 180° Red Edge of Channel Navigation Light
- G 360° Green Center Channel Navigation Light

**Notes:**

The existing Center Channel and Left Descending Edge of Channel Navigation Lights on the Existing Structure shall be relocated on the Existing Structure to the Center and Left Descending Edge of the minimum 350 ft Temporary Navigation Channel prior to any construction work on the Pier 9 and Pier 10 foundations. See Special Provision for Temporary Waterway Obstruction Warning Lighting System.

If Pier 10 foundation construction is commenced prior to Pier 9 foundation construction, the Contractor shall install the temporary Edge of Channel Navigation Light for Coffercell Pier 9 at Coffercell Pier 10 until Pier 9 foundation construction has commenced and the light can be moved to Pier 9. The cost is included in Coffercell (Location - 9).

The temporary Edge of Channel Navigation Lights on Coffercells at Piers 8 and 9 shall remain in place until the proposed Navigation Channel Lights on the superstructure are installed and operational and until the existing bridge navigation span and piers have been removed.

Temporary Navigation Channel closures for float-in or erection of the new navigation span and demolition of the existing navigation span and adjacent spans over the river along with any requirements for assist vessels through the temporary navigation channel shall be coordinated and approved in writing by the United States Coast Guard.

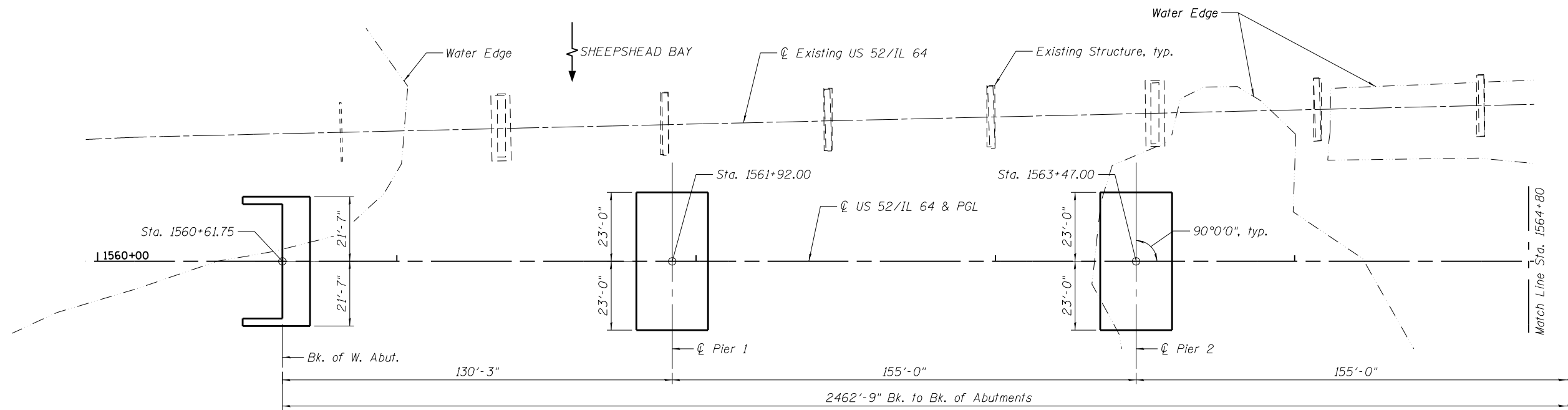
No falsework will be allowed in the Temporary Navigation Channel.

The existing navigational lighting shall be salvaged and returned to the Illinois Department of Transportation District Two at the end of construction.

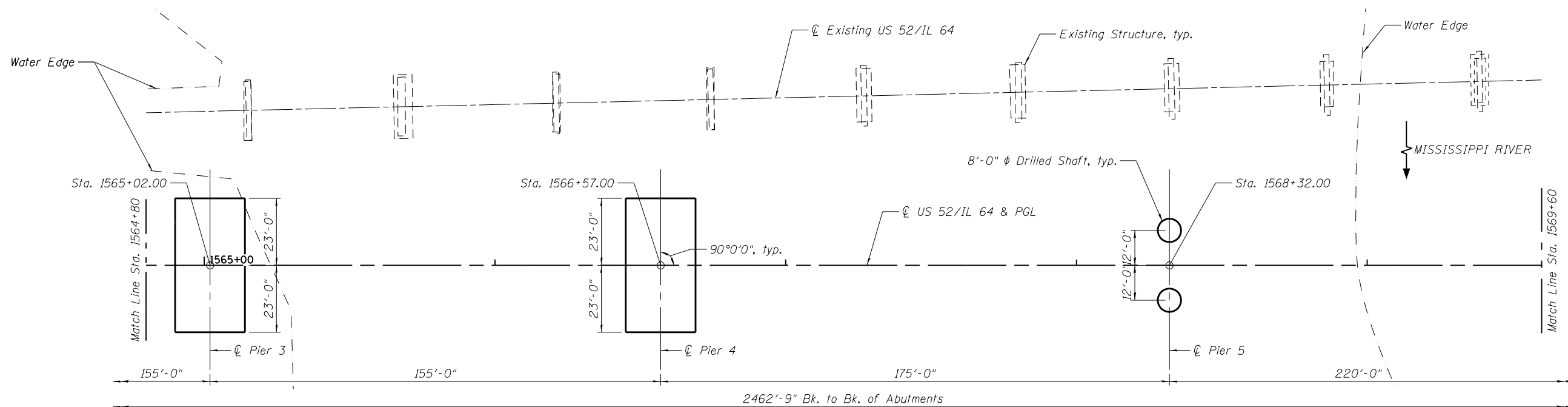
For Navigation Lights and Red Retro Reflective Panels see Lighting Plans.

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<b>PARSONS</b>		CHECKED - PY	REVISED -			17	104B-2	CARROLL	528	179	
PLOT SCALE =		DRAWN - HJV	REVISED -			<b>CONTRACT NO. 64G59</b>					
PLOT DATE =		CHECKED - PY	REVISED -			ILLINOIS FED. AID PROJECT					
					SHEET NO. S-7 OF 177 SHEETS						



**PARTIAL PLAN**



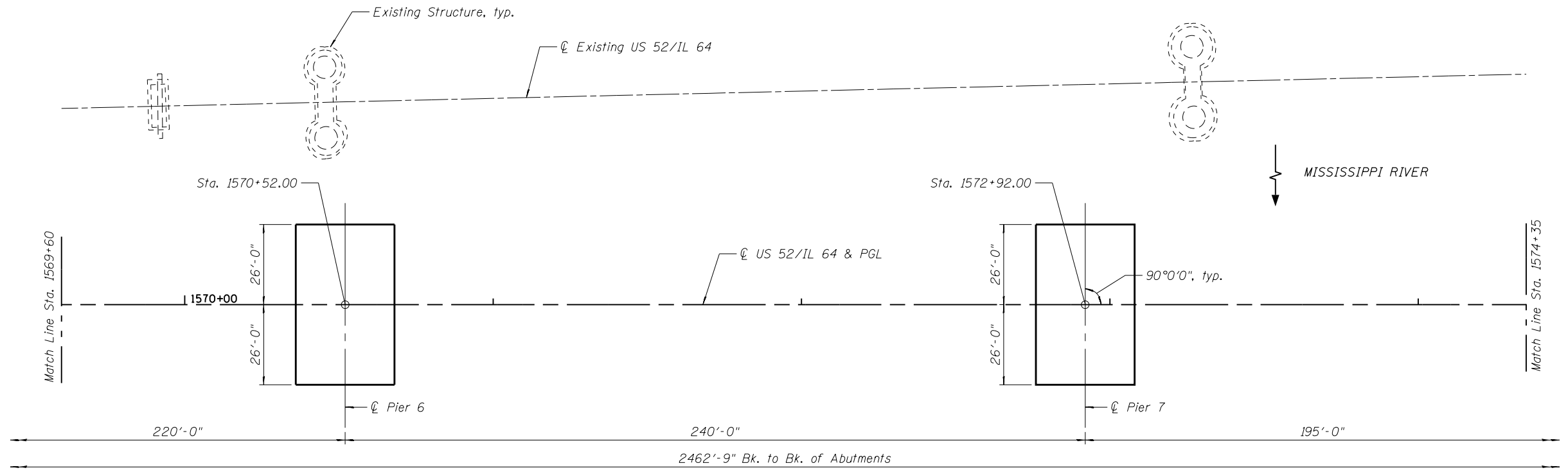
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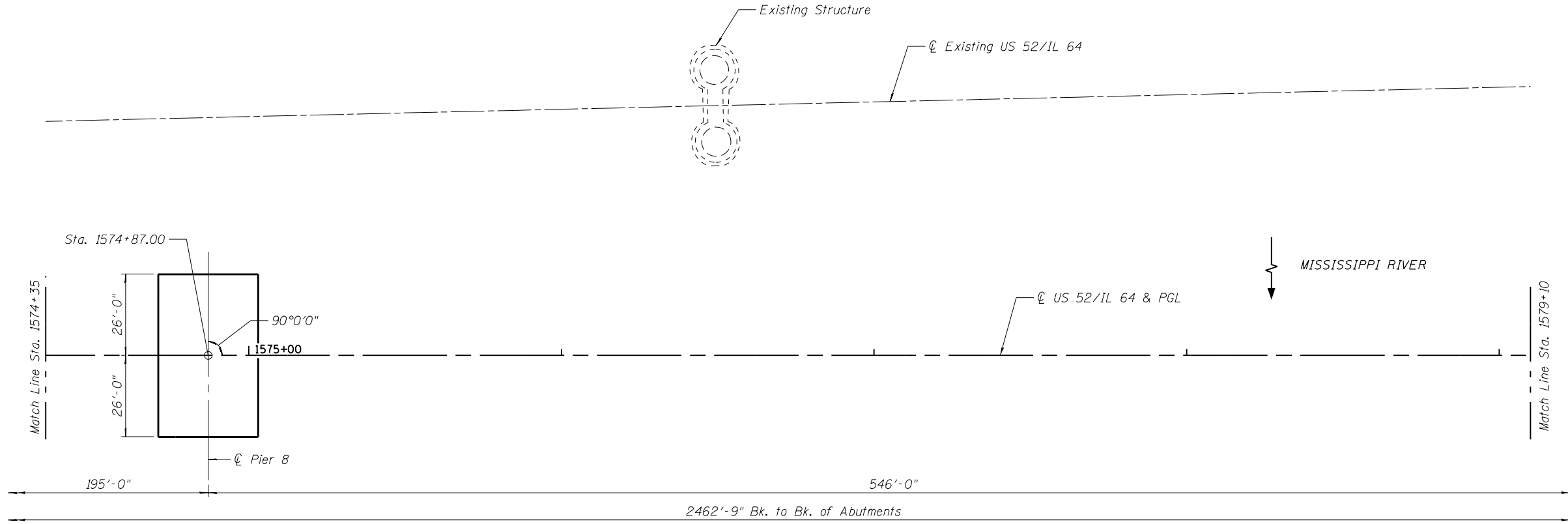
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	ILLINOIS FED. AID PROJECT							



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**PARTIAL PLAN**



**PARTIAL PLAN**

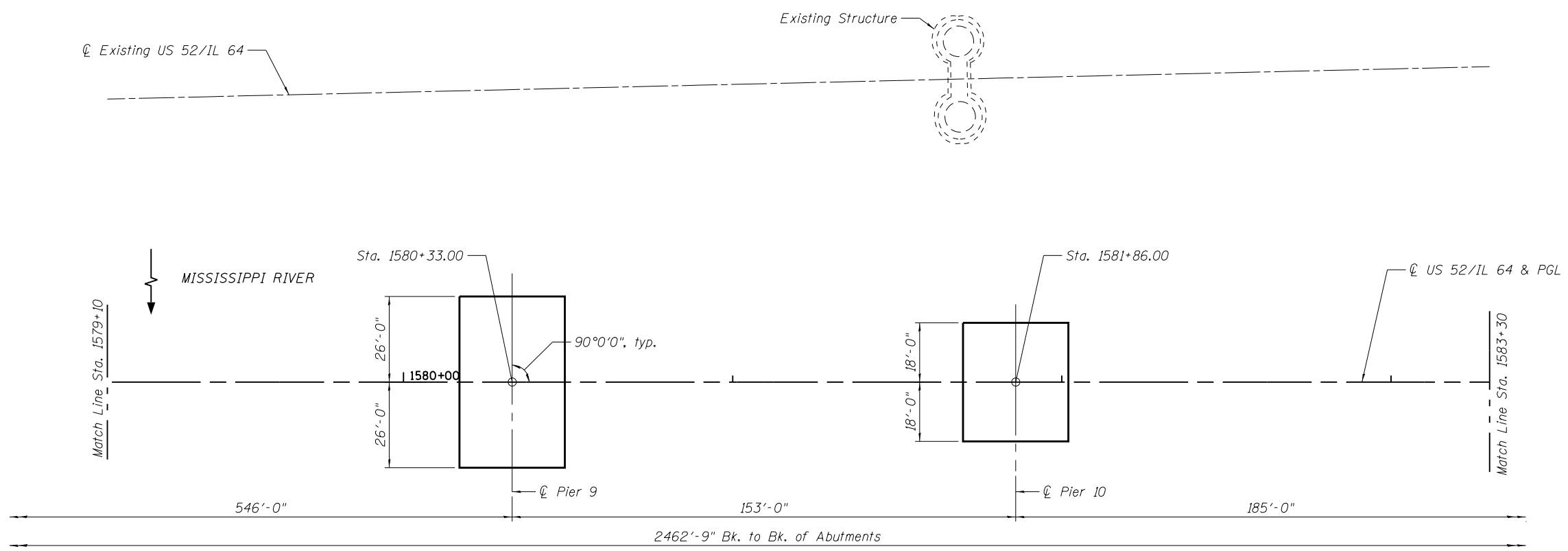
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	PLOT DATE =	CHECKED - KRP	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

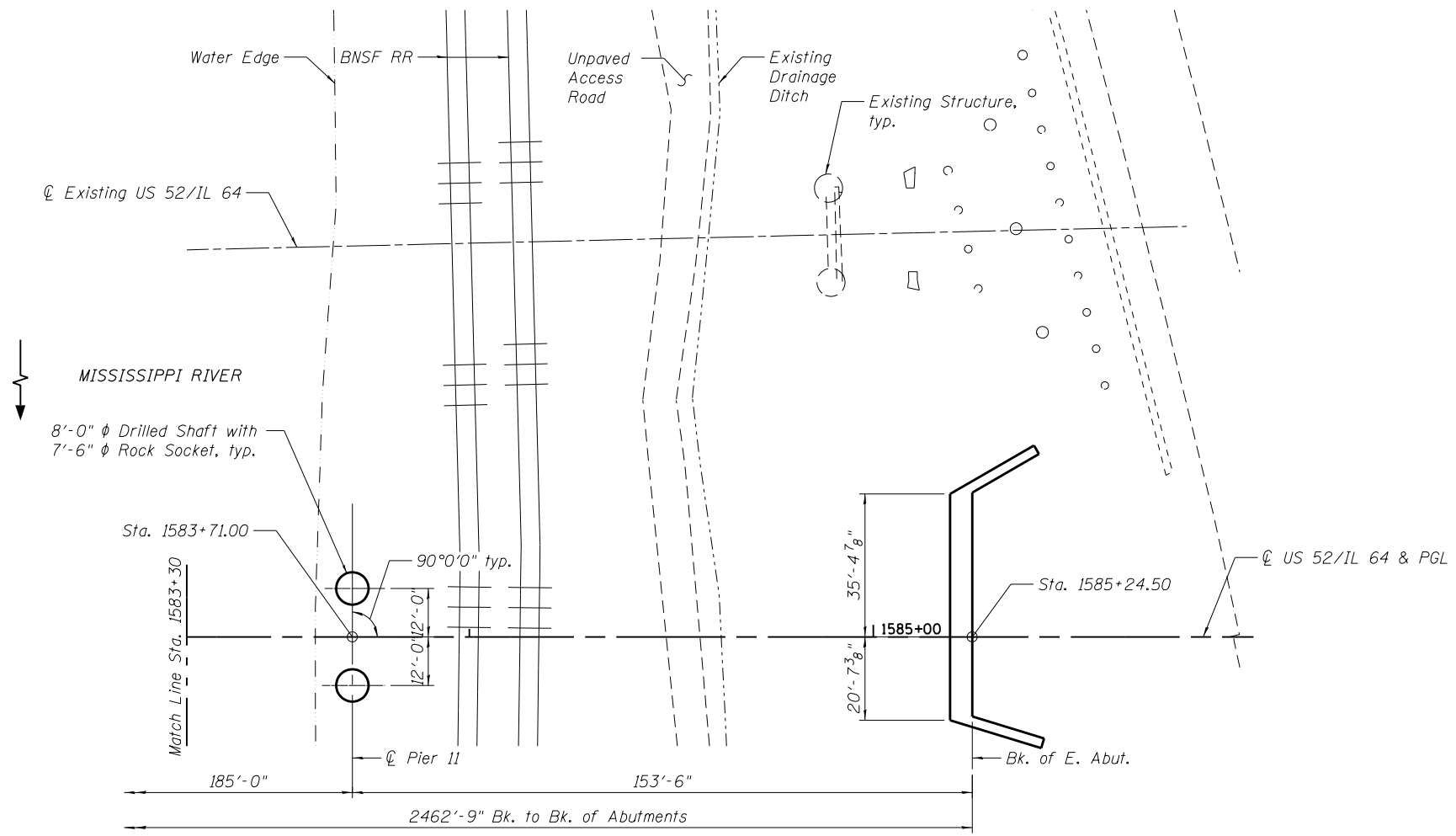
**FOOTING LAYOUT - 2  
STRUCTURE NO. 008-0052**

SHEET NO. S-9 OF 177 SHEETS

F.A.P. RTE. 17	SECTION 104B-2	COUNTY CARROLL	TOTAL SHEETS 528	SHEET NO. 181
CONTRACT NO. 64G59				
ILLINOIS FED. AID PROJECT				



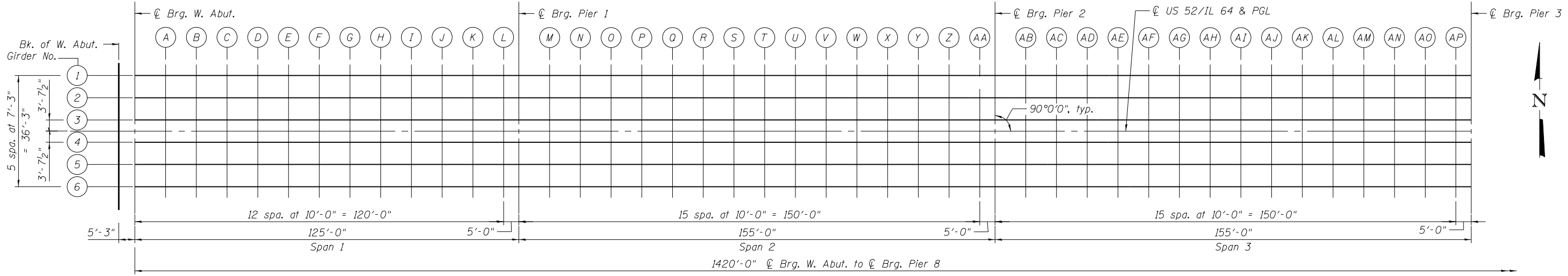
**PARTIAL PLAN**



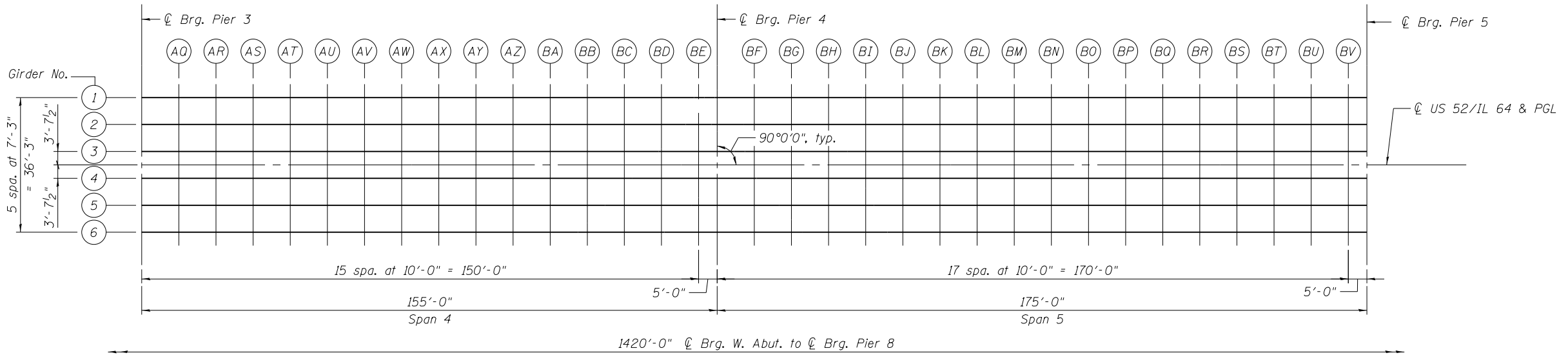
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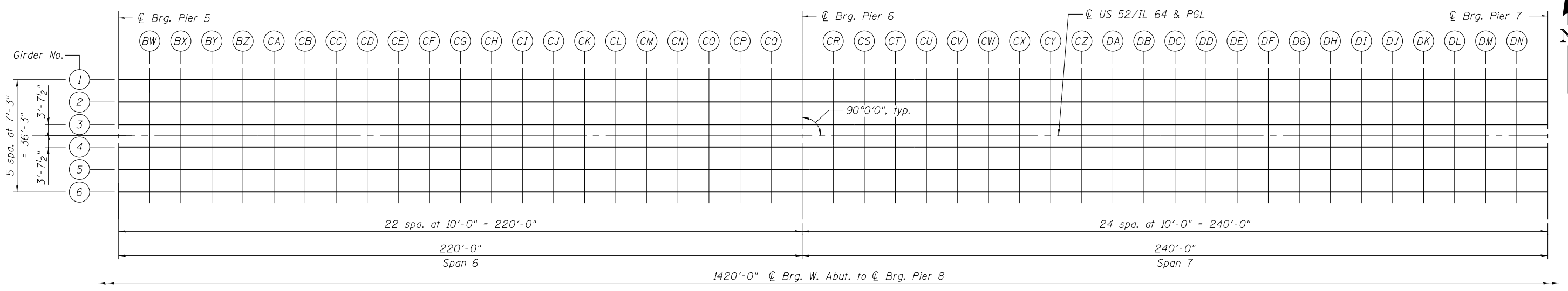
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	PLOT DATE =	CHECKED - KRP	REVISED -	SHEET NO. S-10 OF 177 SHEETS						



**PARTIAL PLAN**



**PARTIAL PLAN**



**PARTIAL PLAN**

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FILE NAME =	USER NAME =	DESIGNED - JOC	REVISED -
		CHECKED - SS	REVISED -
		DRAWN - SSR	REVISED -
		CHECKED - JRR	REVISED -

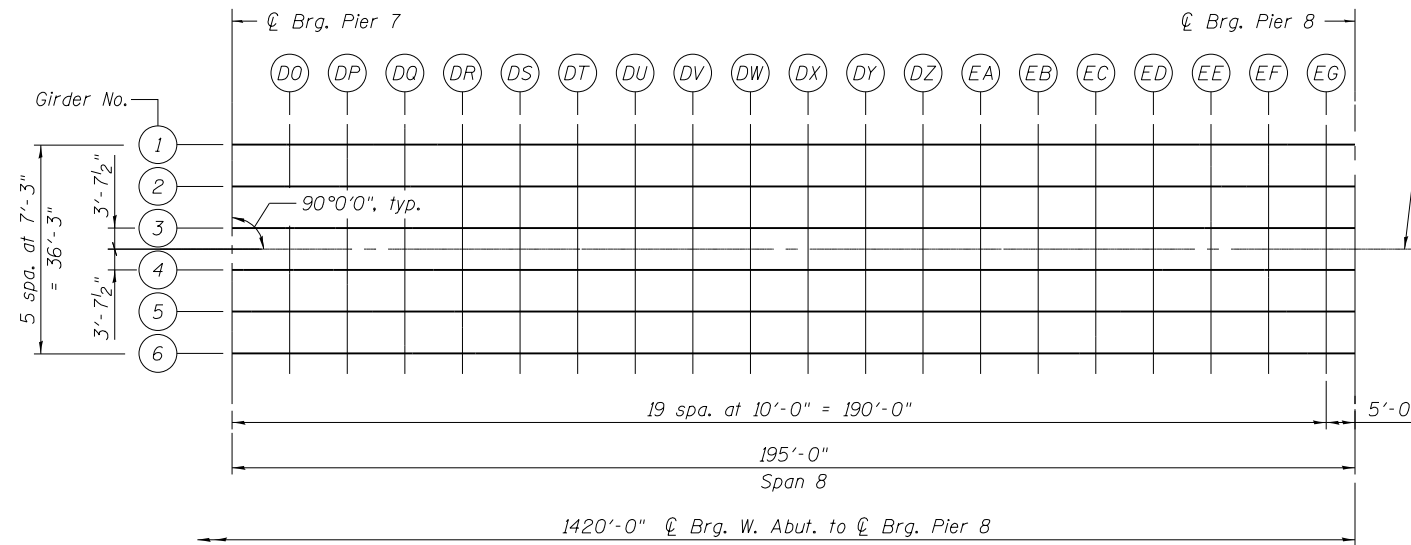
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS, UNIT 1 - 1**  
**STRUCTURE NO. 008-0052**

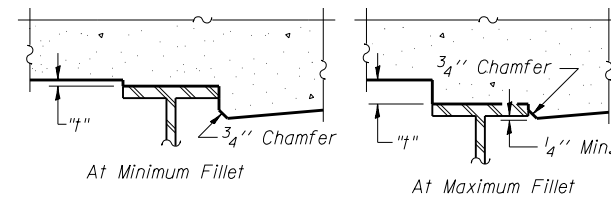
SHEET NO. S-11 OF 177 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL	528	183
CONTRACT NO. 64G59				
ILLINOIS FED. AID PROJECT				

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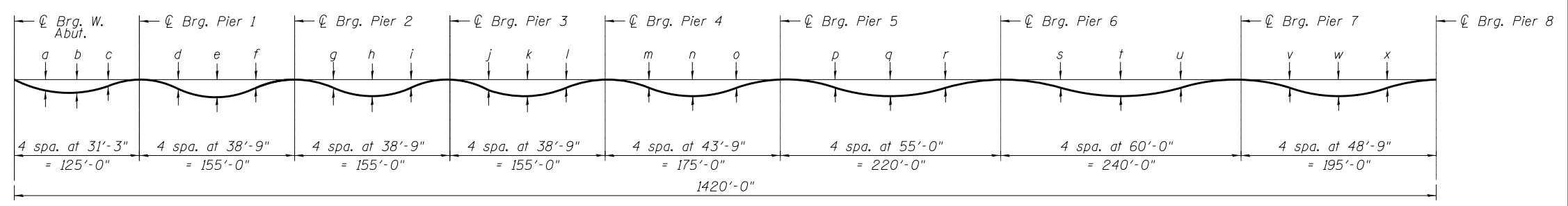


**PARTIAL PLAN**



To determine "t": After all structural steel has been erected, elevations of the top flanges of the girders shall be taken at the intervals shown above and on sheet 183 of 528. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheets 185 to 191 of 528, minus slab thickness, equals the fillet heights "t" above top flange of girders.

**FILLET HEIGHTS**



**DEAD LOAD DEFLECTION DIAGRAM**

(Includes weight of concrete only.)

Note:  
The above deflections are not for use in the field if the Engineer is working from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" as shown on sheets 185 to 191 of 528.

**DEAD LOAD DEFLECTION TABLES**

Location	Interior Girder	Exterior Girder	Location	Interior Girder	Exterior Girder
a	2"	2"	m	1 1/4"	1 3/8"
b	2 1/8"	2 1/4"	n	2"	2 1/8"
c	7/8"	1"	o	1/2"	5/8"
d	7/8"	7/8"	p	1 7/8"	1 7/8"
e	1 3/4"	1 7/8"	q	3"	3 1/8"
f	7/8"	7/8"	r	1 3/8"	1 1/2"
g	1 1/8"	1 1/8"	s	2"	2 1/8"
h	2 1/8"	2 1/4"	t	3 3/4"	3 7/8"
i	1"	1 1/8"	u	1 5/8"	1 3/4"
j	7/8"	1"	v	1 3/4"	1 3/4"
k	1 3/4"	1 7/8"	w	4 1/8"	4 1/4"
l	7/8"	7/8"	x	3 5/8"	3 7/8"



GIRDER 2

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include Bk. of W. Abut, Brg. W. Abut, A through Z, Brg. Pier 1, Brg. Pier 2, Brg. Pier 3, and A through AX.

GIRDER 2

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include AY through CX, Brg. Pier 4, Brg. Pier 5, and Brg. Pier 6.

GIRDER 2

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include CY through EG, Brg. Pier 7, and Brg. Pier 8.

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Table with 4 columns: FILE NAME, USER NAME, DESIGNED, CHECKED, PLOT SCALE, PLOT DATE, and corresponding values for JOC, SS, SSR, JRR.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS, UNIT 1 - 4 STRUCTURE NO. 008-0052

SHEET NO. S-14 OF 177 SHEETS

Table with 6 columns: F.A.P. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO. Values include 17, 104B-2, CARROLL, 528, 186, 64G59.

ILLINOIS FED. AID PROJECT

**GIRDER 3**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut	1560+61.75	-3.625	602.77	602.77
⊕ Brg. W. Abut	1560+67.00	-3.625	602.96	602.96
A	1560+77.00	-3.625	603.34	603.40
B	1560+87.00	-3.625	603.72	603.83
C	1560+97.00	-3.625	604.10	604.25
D	1561+07.00	-3.625	604.48	604.66
E	1561+17.00	-3.625	604.86	605.05
F	1561+27.00	-3.625	605.24	605.42
G	1561+37.00	-3.625	605.62	605.78
H	1561+47.00	-3.625	606.00	606.12
I	1561+57.00	-3.625	606.38	606.47
J	1561+67.00	-3.625	606.76	606.81
K	1561+77.00	-3.625	607.14	607.16
L	1561+87.00	-3.625	607.52	607.52
⊕ Brg. Pier 1	1561+92.00	-3.625	607.70	607.70
M	1562+02.00	-3.625	608.08	608.09
N	1562+12.00	-3.625	608.46	608.48
O	1562+22.00	-3.625	608.84	608.89
P	1562+32.00	-3.625	609.22	609.30
Q	1562+42.00	-3.625	609.60	609.71
R	1562+52.00	-3.625	609.98	610.11
S	1562+62.00	-3.625	610.36	610.51
T	1562+72.00	-3.625	610.74	610.89
U	1562+82.00	-3.625	611.12	611.26
V	1562+92.00	-3.625	611.50	611.62
W	1563+02.00	-3.625	611.88	611.97
X	1563+12.00	-3.625	612.26	612.32
Y	1563+22.00	-3.625	612.64	612.68
Z	1563+32.00	-3.625	613.02	613.03
AA	1563+42.00	-3.625	613.40	613.40
⊕ Brg. Pier 2	1563+47.00	-3.625	613.59	613.59
AB	1563+57.00	-3.625	613.97	613.98
AC	1563+67.00	-3.625	614.35	614.38
AD	1563+77.00	-3.625	614.73	614.79
AE	1563+87.00	-3.625	615.11	615.20
AF	1563+97.00	-3.625	615.49	615.62
AG	1564+07.00	-3.625	615.87	616.02
AH	1564+17.00	-3.625	616.25	616.42
AI	1564+27.00	-3.625	616.63	616.80
AJ	1564+37.00	-3.625	617.01	617.17
AK	1564+47.00	-3.625	617.39	617.53
AL	1564+57.00	-3.625	617.77	617.88
AM	1564+67.00	-3.625	618.15	618.22
AN	1564+77.00	-3.625	618.53	618.57
AO	1564+87.00	-3.625	618.91	618.93
AP	1564+97.00	-3.625	619.29	619.29
⊕ Brg. Pier 3	1565+02.00	-3.625	619.48	619.48
AQ	1565+12.00	-3.625	619.86	619.86
AR	1565+22.00	-3.625	620.24	620.26
AS	1565+32.00	-3.625	620.62	620.67
AT	1565+42.00	-3.625	621.00	621.07
AU	1565+52.00	-3.625	621.38	621.48
AV	1565+62.00	-3.625	621.76	621.89
AW	1565+72.00	-3.625	622.14	622.28
AX	1565+82.00	-3.625	622.51	622.66

**GIRDER 3**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
AY	1565+92.00	-3.625	622.89	623.03
AZ	1566+02.00	-3.625	623.27	623.39
BA	1566+12.00	-3.625	623.65	623.74
BB	1566+22.00	-3.625	624.03	624.10
BC	1566+32.00	-3.625	624.41	624.45
BD	1566+42.00	-3.625	624.79	624.81
BE	1566+52.00	-3.625	625.17	625.18
⊕ Brg. Pier 4	1566+57.00	-3.625	625.36	625.36
BF	1566+67.00	-3.625	625.74	625.75
BG	1566+77.00	-3.625	626.12	626.15
BH	1566+87.00	-3.625	626.50	626.56
BI	1566+97.00	-3.625	626.88	626.98
BJ	1567+07.00	-3.625	627.26	627.39
BK	1567+17.00	-3.625	627.64	627.79
BL	1567+27.00	-3.625	628.02	628.19
BM	1567+37.00	-3.625	628.40	628.58
BN	1567+47.00	-3.625	628.78	628.95
BO	1567+57.00	-3.625	629.16	629.30
BP	1567+67.00	-3.625	629.54	629.65
BQ	1567+77.00	-3.625	629.92	630.00
BR	1567+87.00	-3.625	630.30	630.35
BS	1567+97.00	-3.625	630.68	630.70
BT	1568+07.00	-3.625	631.06	631.07
BU	1568+17.00	-3.625	631.44	631.44
BV	1568+27.00	-3.625	631.82	631.82
⊕ Brg. Pier 5	1568+32.00	-3.625	632.01	632.01
BW	1568+42.00	-3.625	632.39	632.40
BX	1568+52.00	-3.625	632.77	632.81
BY	1568+62.00	-3.625	633.15	633.22
BZ	1568+72.00	-3.625	633.53	633.63
CA	1568+82.00	-3.625	633.91	634.04
CB	1568+92.00	-3.625	634.29	634.45
CC	1569+02.00	-3.625	634.67	634.86
CD	1569+12.00	-3.625	635.05	635.27
CE	1569+22.00	-3.625	635.43	635.67
CF	1569+32.00	-3.625	635.81	636.06
CG	1569+42.00	-3.625	636.19	636.44
CH	1569+52.00	-3.625	636.57	636.81
CI	1569+62.00	-3.625	636.94	637.17
CJ	1569+72.00	-3.625	637.32	637.52
CK	1569+82.00	-3.625	637.70	637.87
CL	1569+92.00	-3.625	638.08	638.22
CM	1570+02.00	-3.625	638.46	638.56
CN	1570+12.00	-3.625	638.84	638.91
CO	1570+22.00	-3.625	639.22	639.26
CP	1570+32.00	-3.625	639.60	639.62
CQ	1570+42.00	-3.625	639.98	639.99
⊕ Brg. Pier 6	1570+52.00	-3.625	640.36	640.36
CR	1570+62.00	-3.625	640.74	640.75
CS	1570+72.00	-3.625	641.12	641.15
CT	1570+82.00	-3.625	641.50	641.56
CU	1570+92.00	-3.625	641.88	641.97
CV	1571+02.00	-3.625	642.26	642.39
CW	1571+12.00	-3.625	642.64	642.81
CX	1571+22.00	-3.625	643.02	643.23

**GIRDER 3**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
CY	1571+32.00	-3.625	643.40	643.64
CZ	1571+42.00	-3.625	643.78	644.05
DA	1571+52.00	-3.625	644.16	644.45
DB	1571+62.00	-3.625	644.54	644.85
DC	1571+72.00	-3.625	644.92	645.23
DD	1571+82.00	-3.625	645.30	645.60
DE	1571+92.00	-3.625	645.68	645.96
DF	1572+02.00	-3.625	646.06	646.31
DG	1572+12.00	-3.625	646.44	646.66
DH	1572+22.00	-3.625	646.82	647.00
DI	1572+32.00	-3.625	647.20	647.34
DJ	1572+42.00	-3.625	647.58	647.68
DK	1572+52.00	-3.625	647.96	648.02
DL	1572+62.00	-3.625	648.34	648.37
DM	1572+72.00	-3.625	648.72	648.73
DN	1572+82.00	-3.625	649.10	649.10
⊕ Brg. Pier 7	1572+92.00	-3.625	649.48	649.48
DO	1573+02.00	-3.625	649.86	649.87
DP	1573+12.00	-3.625	650.23	650.26
DQ	1573+22.00	-3.625	650.59	650.66
DR	1573+32.00	-3.625	650.94	651.05
DS	1573+42.00	-3.625	651.28	651.43
DT	1573+52.00	-3.625	651.62	651.81
DU	1573+62.00	-3.625	651.94	652.18
DV	1573+72.00	-3.625	652.25	652.53
DW	1573+82.00	-3.625	652.55	652.87
DX	1573+92.00	-3.625	652.84	653.18
DY	1574+02.00	-3.625	653.12	653.48
DZ	1574+12.00	-3.625	653.39	653.75
EA	1574+22.00	-3.625	653.65	654.00
EB	1574+32.00	-3.625	653.90	654.22
EC	1574+42.00	-3.625	654.14	654.43
ED	1574+52.00	-3.625	654.37	654.61
EE	1574+62.00	-3.625	654.59	654.76
EF	1574+72.00	-3.625	654.79	654.91
EG	1574+82.00	-3.625	654.99	655.03
⊕ Brg. Pier 8	1574+87.00	-3.625	655.09	655.09

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<b>PARSONS</b> FILE NAME = USER NAME = PLOT SCALE = PLOT DATE =	DESIGNED - JOC CHECKED - SS DRAWN - SSR CHECKED - JRR	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>TOP OF SLAB ELEVATIONS, UNIT 1 - 5</b> <b>STRUCTURE NO. 008-0052</b> SHEET NO. S-15 OF 177 SHEETS	F.A.P. RTE. 17 SECTION 104B-2 COUNTY CARROLL TOTAL SHEETS 528 SHEET NO. 187 CONTRACT NO. 64G59	ILLINOIS FED. AID PROJECT
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☉ US 52/IL 64 & PGL

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include Bk. of W. Abut, ☉ Brg. W. Abut (A-K), ☉ Brg. Pier 1 (M-U), ☉ Brg. Pier 2 (AB-AP), ☉ Brg. Pier 3 (AQ-AX).

☉ US 52/IL 64 & PGL

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include AY-CX, ☉ Brg. Pier 4 (BF-BV), ☉ Brg. Pier 5 (BW-CX), ☉ Brg. Pier 6 (CR-CX).

☉ US 52/IL 64 & PGL

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include CY-DN, ☉ Brg. Pier 7 (DO-DZ), ☉ Brg. Pier 8 (EA-EG).

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Project information and metadata including: FILE NAME, USER NAME, DESIGNED - JOC, CHECKED - SS, DRAWN - SSR, CHECKED - JRR, REVISIONS, STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION, TOP OF SLAB ELEVATIONS, UNIT 1 - 6, STRUCTURE NO. 008-0052, SHEET NO. S-16 OF 177 SHEETS, F.A.P. RTE. 17, SECTION 104B-2, COUNTY CARROLL, TOTAL SHEETS 528, SHEET NO. 188, CONTRACT NO. 64G59, ILLINOIS FED. AID PROJECT.



GIRDER 4

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include Bk. of W. Abut, Crg. W. Abut, A through Z, AA, Crg. Pier 2, AB through AP, Crg. Pier 3, AQ through AX.

GIRDER 4

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include AY through CX, Crg. Pier 4, Crg. Pier 5, Crg. Pier 6.

GIRDER 4

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include CY through EG, Crg. Pier 7, Crg. Pier 8.

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Metadata table with 4 columns: FILE NAME, USER NAME, DESIGNED, CHECKED, PLOT SCALE, PLOT DATE, and corresponding values for JOC, SS, SSR, and JRR.



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS, UNIT 1 - 7 STRUCTURE NO. 008-0052

SHEET NO. S-17 OF 177 SHEETS

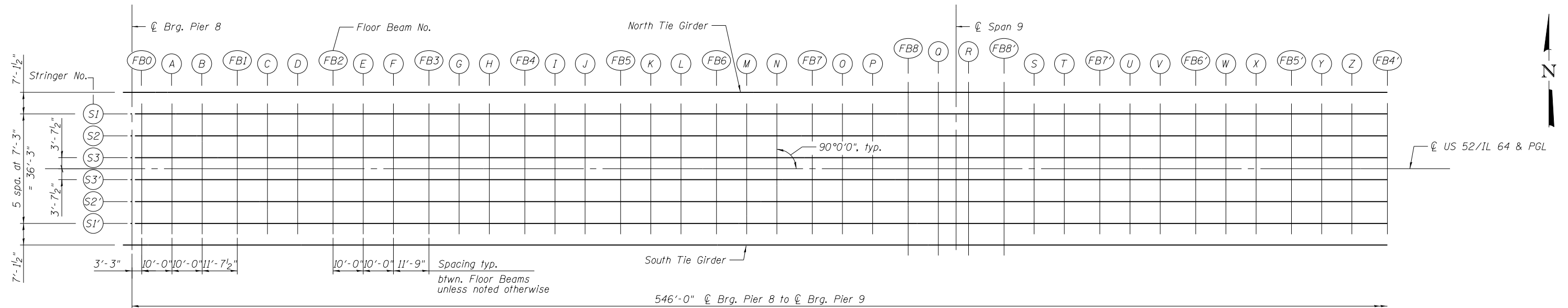
Summary table with 6 columns: F.A.P. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO. Values include 17, 104B-2, CARROLL, 528, 189, and 64G59.

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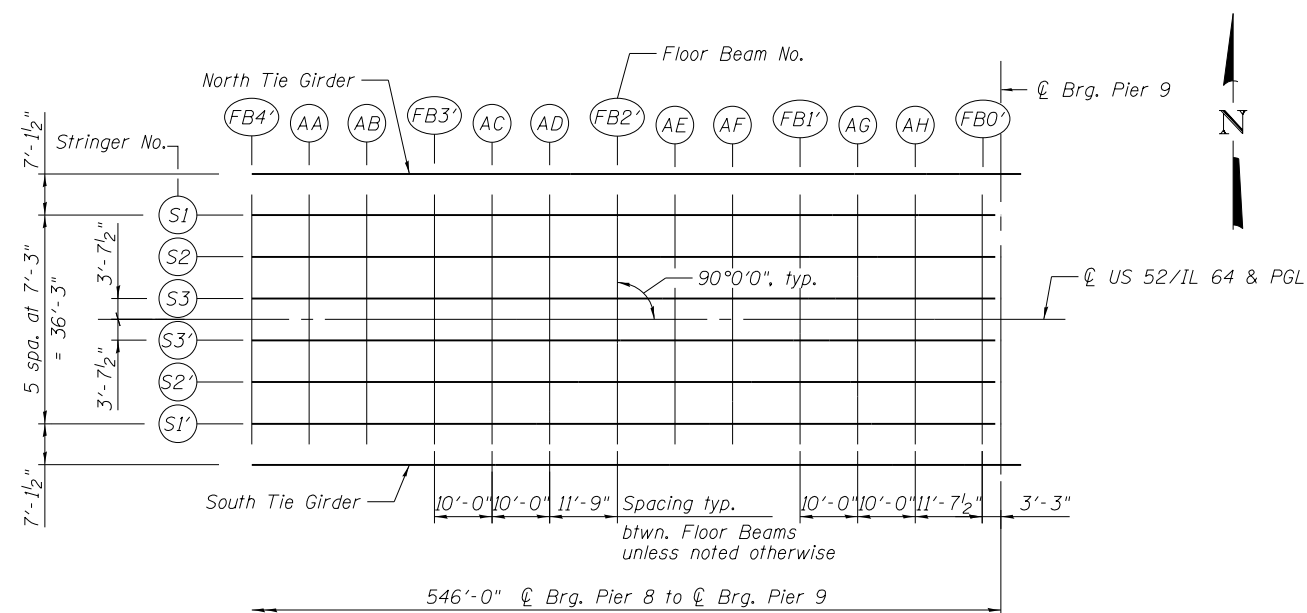




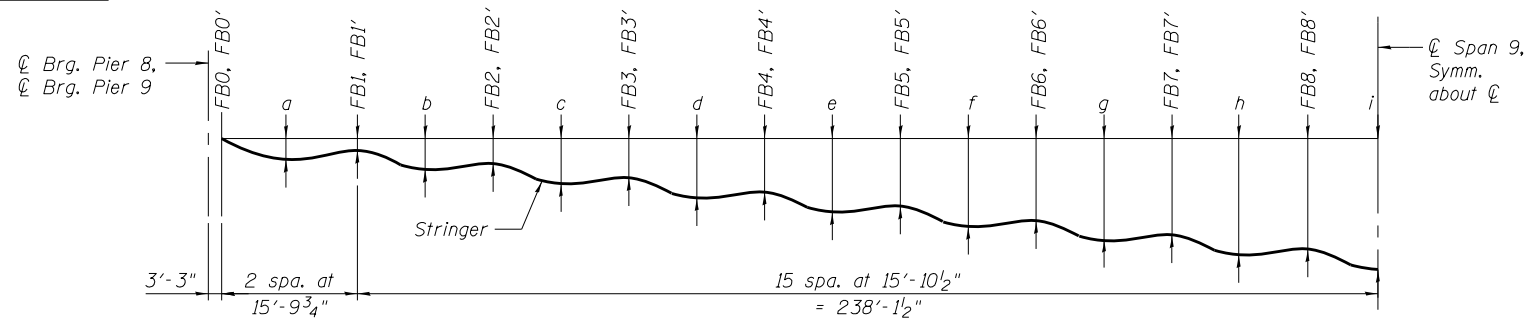
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**PARTIAL PLAN**



**PARTIAL PLAN**

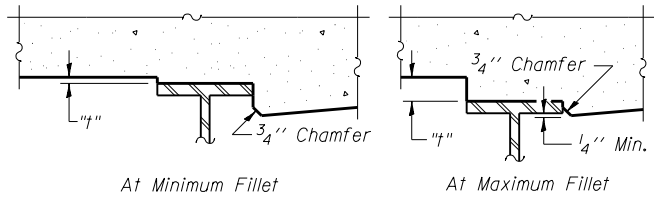


**DEAD LOAD DEFLECTION DIAGRAM**

Note: (Includes weight of concrete only.)  
 The above deflections are not for use in the field if the Engineer is working from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" as shown on sheets 193 to 195 of 528.

**DEAD LOAD DEFLECTION TABLE**

Location	Stringer S1 & S1'	Stringer S2 & S2'	Stringer S3 & S3'
FB0 & FB0'	1/8"	1/8"	1/4"
a	5/8"	3/4"	7/8"
FB1 & FB1'	3/4"	1"	1 1/8"
b	1 1/8"	1 1/4"	1 3/8"
FB2 & FB2'	1 3/8"	1 1/2"	1 5/8"
c	1 3/4"	1 7/8"	2"
FB3 & FB3'	1 7/8"	2 1/8"	2 1/4"
d	2 1/4"	2 3/8"	2 1/2"
FB4 & FB4'	2 1/2"	2 5/8"	2 3/4"
e	2 3/4"	3"	3"
FB5 & FB5'	2 7/8"	3 1/8"	3 1/4"
f	3 1/4"	3 3/8"	3 1/2"
FB6 & FB6'	3 3/8"	3 1/2"	3 5/8"
g	3 5/8"	3 3/4"	3 7/8"
FB7 & FB7'	3 5/8"	3 7/8"	4"
h	3 7/8"	4"	4 1/8"
FB8 & FB8'	3 7/8"	4"	4 1/8"
i	3 7/8"	4 1/8"	4 1/4"



**FILLET HEIGHTS**

To determine "t": After all structural steel has been erected, elevations of the top flanges of the stringers shall be taken at the intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheets 193 to 195 of 528, minus slab thickness, equals the fillet heights "t" above top flange of stringers.



STRINGER S3

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include locations from Brg. Pier 8 to Brg. Pier 9.

US 52/IL 64 & PGL

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include locations from Brg. Pier 8 to Brg. Pier 9.

STRINGER S3'

Table with 5 columns: Location, Station, Offset, Theoretical Grade Elevations, Theoretical Grade Elevations Adjusted For Dead Load Deflection. Rows include locations from Brg. Pier 8 to Brg. Pier 9.

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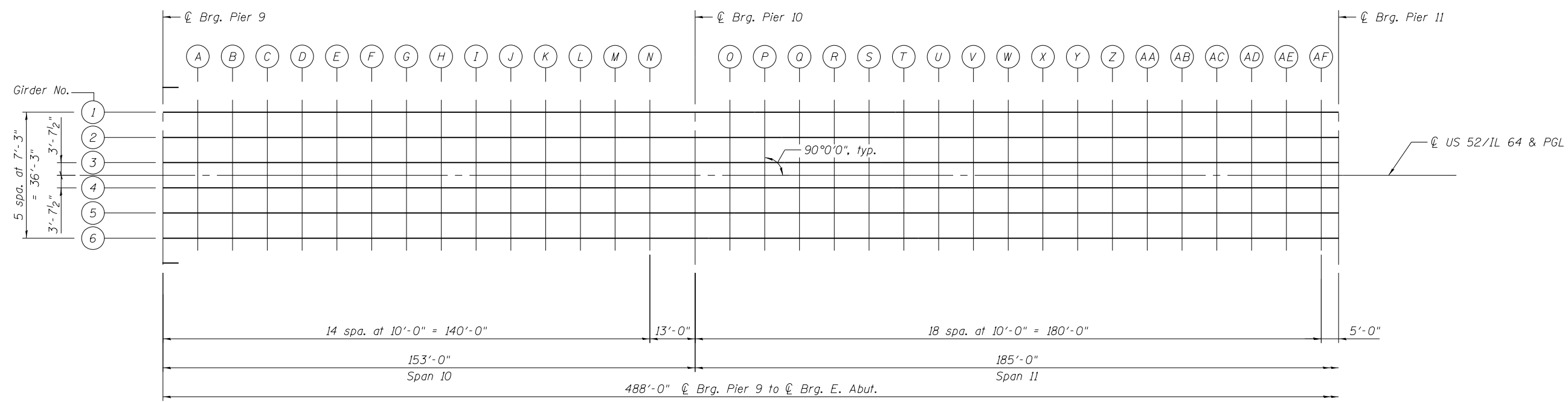
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

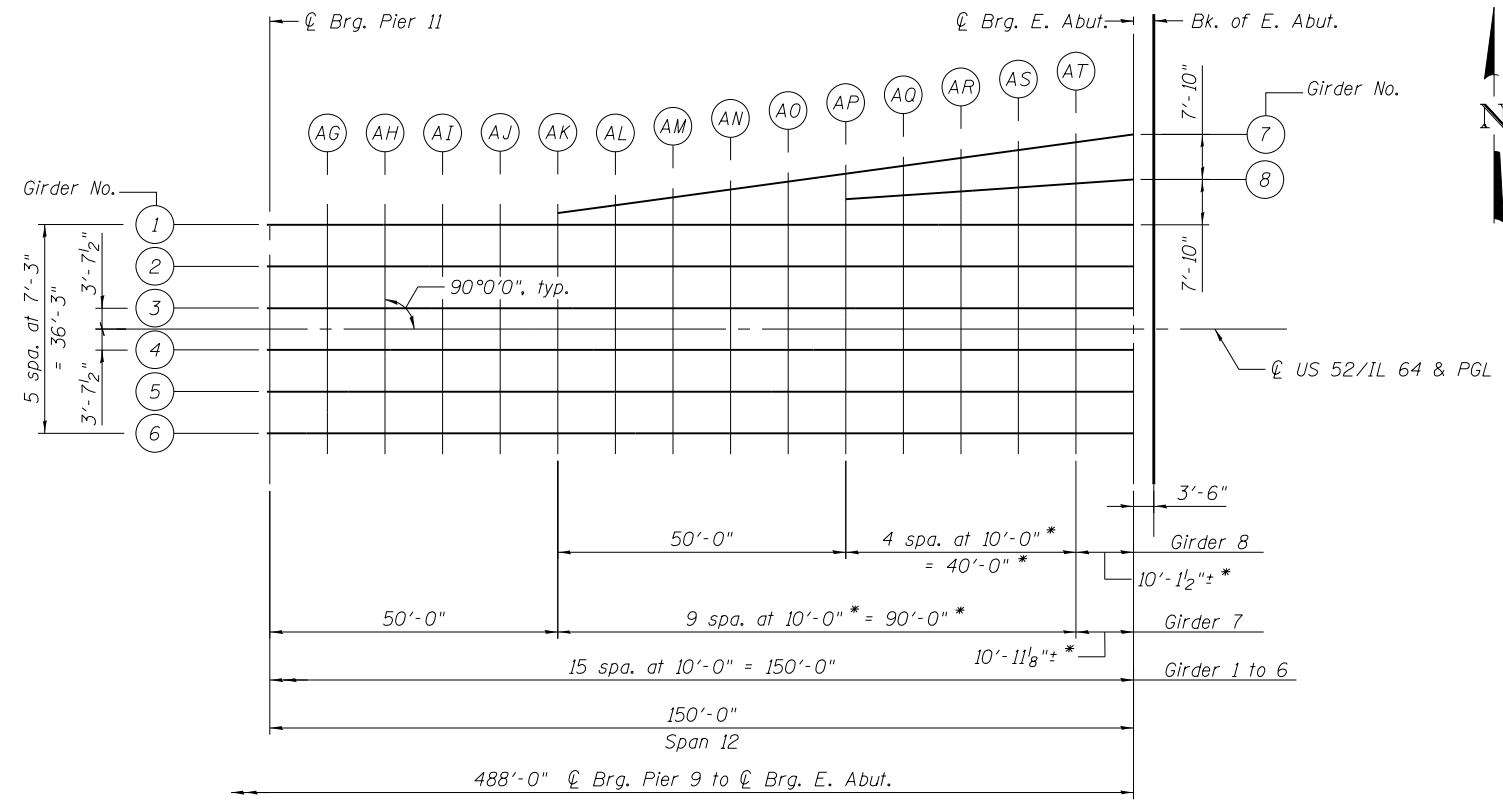
TOP OF SLAB ELEVATIONS, UNIT 2 - 3 STRUCTURE NO. 008-0052 SHEET NO. S-22 OF 177 SHEETS

Table with 6 columns: F.A.P. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO. Includes values like 17, 104B-2, CARROLL, 528, 194, 64G59.

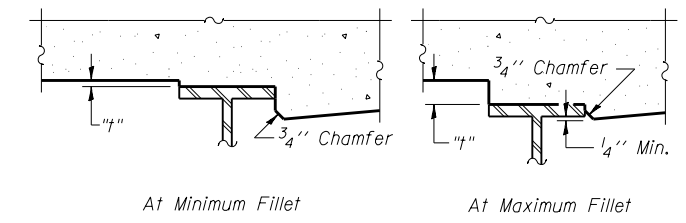




**PARTIAL PLAN**



**PARTIAL PLAN**  
\* Measured along  $\bar{C}$  Girder.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the girders shall be taken at the intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheets 197 to 199 of 528, minus slab thickness, equals the fillet heights "t" above top flange of girders.

**FILLET HEIGHTS**

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FILE NAME =	USER NAME =	DESIGNED - JRR	REVISED -
		CHECKED - CGT	REVISED -
		DRAWN - SSR	REVISED -
		CHECKED - CGT	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS, UNIT 3 - 1  
STRUCTURE NO. 008-0052**

SHEET NO. S-24 OF 177 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	104B-2	CARROLL	528	196
CONTRACT NO. 64G59				

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**NORTH EDGE OF SHOULDER**

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr. Slab	1560+32.25	-20.00	601.39
A1	1560+42.25	-20.00	601.73
A2	1560+52.25	-20.00	602.07
E. End of W. Appr. Slab	1560+62.25	-20.00	602.49

**NORTH EDGE OF PAVEMENT**

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr. Slab	1560+32.25	-12.00	601.71
A1	1560+42.25	-12.00	602.00
A2	1560+52.25	-12.00	602.29
E. End of W. Appr. Slab	1560+62.25	-12.00	602.65

**☉ US 52/IL 64 & PGL**

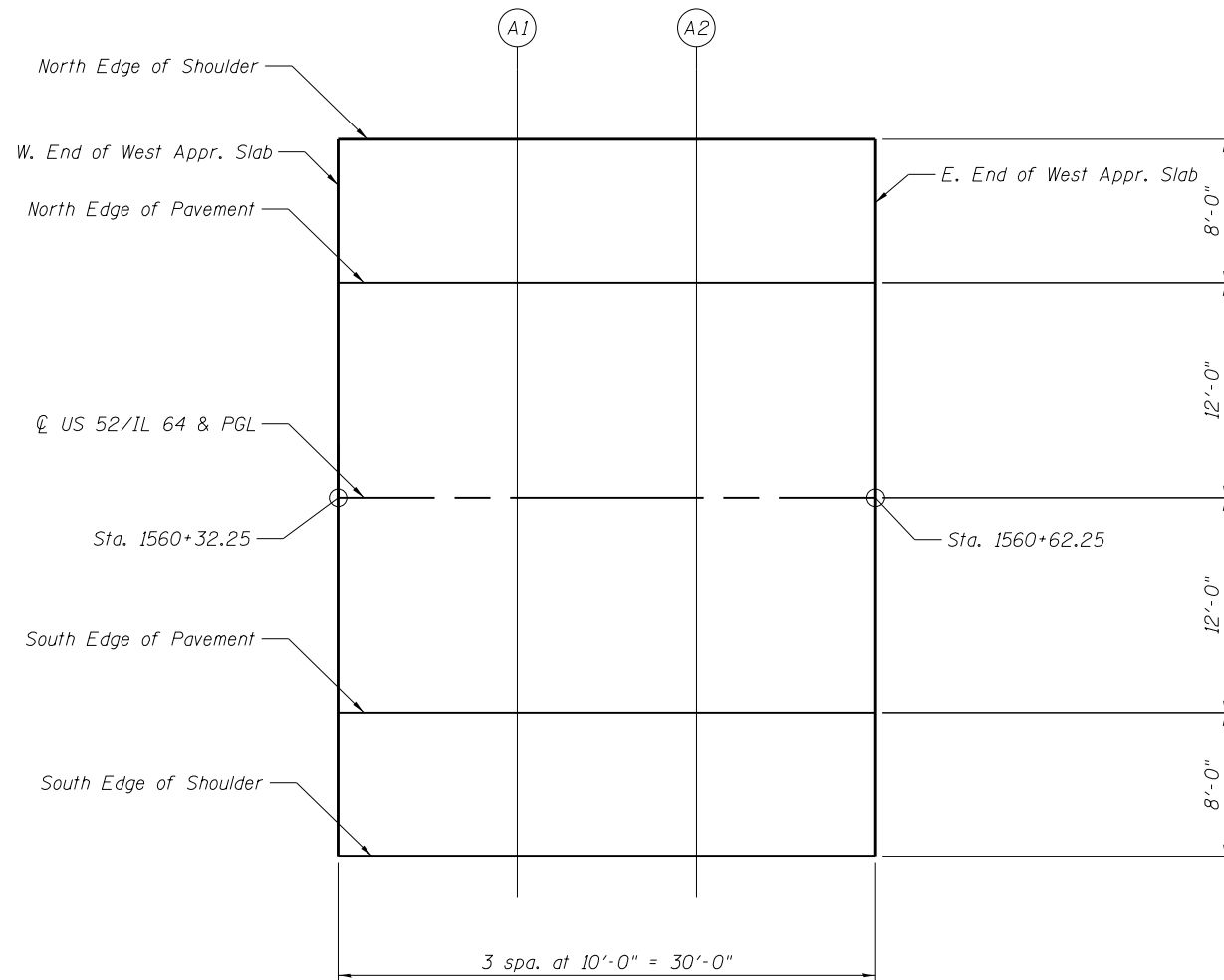
Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr. Slab	1560+32.25	0.00	601.79
A1	1560+42.25	0.00	602.13
A2	1560+52.25	0.00	602.48
E. End of W. Appr. Slab	1560+62.25	0.00	602.84

**SOUTH EDGE OF PAVEMENT**

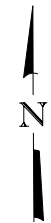
Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr. Slab	1560+32.25	12.00	601.60
A1	1560+42.25	12.00	601.94
A2	1560+52.25	12.00	602.29
E. End of W. Appr. Slab	1560+62.25	12.00	602.65

**SOUTH EDGE OF SHOULDER**

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr. Slab	1560+32.25	20.00	601.28
A1	1560+42.25	20.00	601.67
A2	1560+52.25	20.00	602.07
E. End of W. Appr. Slab	1560+62.25	20.00	602.49



**PLAN**



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FILE NAME =	USER NAME =	DESIGNED - GTH	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TOP OF WEST APPROACH SLAB ELEVATIONS STRUCTURE NO. 008-0052</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>PARSONS</b>	CHECKED - JCC	REVISIED -	17			104B-2	CARROLL	528	200	
PLOT SCALE =	DRAWN - HJV	REVISIED -	CONTRACT NO. 64G59							
PLOT DATE =	CHECKED - EAR	REVISIED -	ILLINOIS FED. AID PROJECT							
SHEET NO. S-28 OF 177 SHEETS										