



SALT CREEK

SITE 7
WETLAND 7 (WL 7)

EX R.O.W.

EX R.O.W.

Q EX I-290

EX. 12" S.S.

EASTBOUND I-290

1120+00

1125+00

1130+00

WESTBOUND I-290

LIMIT OF CONSTRUCTION

EX R.O.W.

EX R.O.W.

SITE 9
WETLAND 9 (WL 9)

MATCHLINE STA 1134+00.00

- NOTES:
1. ALL TEMPORARY STORM SEWER PLUGS ARE PLACED IN STAGES 1A AND 2A 1, AND SHOULD ADHERE TO THE SPECIAL PROVISIONS.
 2. FRAMES AND LIDS TO BE ADJUSTED SPECIAL: THE REMOVAL ADJUSTMENT TAKES PLACE IN STAGE 2A 1, WHILE THE REPLACEMENT ADJUSTMENT TAKES PLACE IN STAGE 2B.
 3. AFTER PLUG IS REMOVED THE PIPE SHALL BE CLEANED OF ANY EARTH AND DEBRIS. ALL PLUGS WILL BE REMOVED IN STAGE 2B. ALL CLEANING OF PIPES AND STRUCTURES OCCURS AFTER THE WORK IN STAGE 2B.
 4. ALL REQUIRED INFORMATION FOR THE TEMPORARY AND PROPOSED ITEMS ARE SHOWN ON THE SCHEDULE SHEETS AND PROFILE SHEETS.
 5. FOR ALL WETLAND AND W.O.U.S. IMPACTS, SEE EROSION CONTROL PLANS.
 6. THE CONSTRUCTOR IS RESPONSIBLE FOR CLEARING ANY SNOW OR ICE THAT ACCUMULATES ON THE OUTSIDE OF THE TEMPORARY BARRIER WALL DURING CONSTRUCTION.
 7. THIS SHEET DOES NOT INCLUDE TEMPORARY DRAINAGE WORK; HOWEVER, IT IS INCLUDED FOR REFERENCE ONLY.

LEGEND

	WORK ZONE
	STORM SEWER REMOVAL
	STORM SEWERS TO BE CLEANED
	TEMPORARY STORM SEWER PLUG
	DRAINAGE STRUCTURE TO BE REMOVED
	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
	HEADWALL TO BE REMOVED AND RELOCATED
	PR DRAINAGE STRUCTURE NUMBER
	PR DRAINAGE PIPE NUMBER
	EXISTING PIPE UNDERDRAIN
	PROPOSED PIPE UNDERDRAIN
	EXISTING STORM SEWER
	PROPOSED STORM SEWER
	EXISTING HEADWALL/END SECTION
	PROPOSED HEADWALL/END SECTION
	EXISTING INLET
	PROPOSED INLET
	EXISTING MANHOLE
	PROPOSED MANHOLE
	EXISTING DITCH FLOW
	PROPOSED DITCH FLOW
	EXISTING CATCH BASIN
	PROPOSED CATCH BASIN
	EXISTING SUMMIT
	PROPOSED SUMMIT
	WETLAND



FILE NAME = T:\169474\Civil\Roads\CADD_Sheets\0162C24-sh-1-TDR-Stage2A2-01.dgn

1327 W WASHINGTON BLVD
SUITE 105
CHICAGO, IL 60607
ardmore-roderick.com

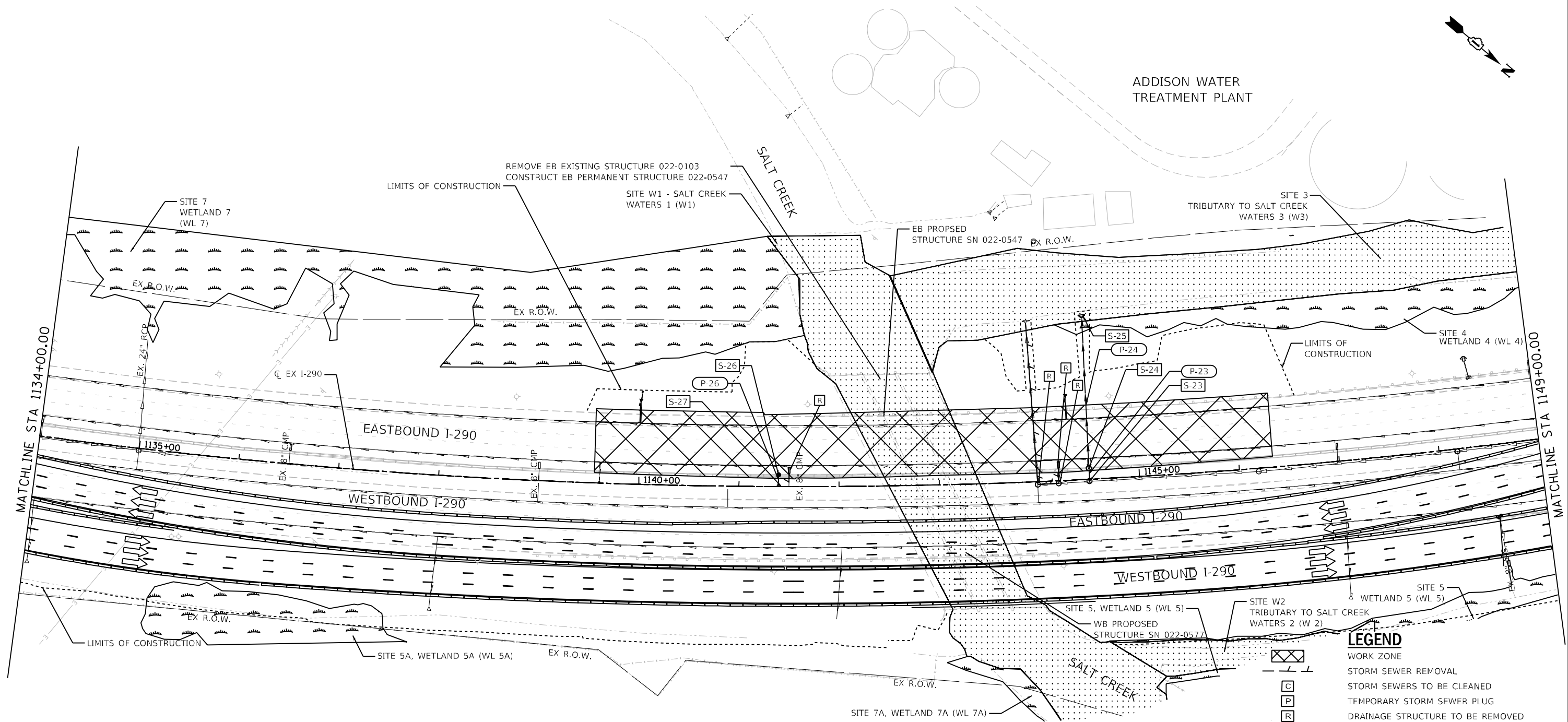
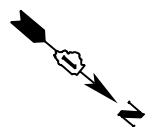
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PLOT SCALE =	DRAWN - JGM	REVISED -
PLOT DATE = 02/21/2018	CHECKED - JL	REVISED -
	DATE - 02/21/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**TEMPORARY DRAINAGE PLAN
STAGE 2A-2**

SCALE: 1"=50' SHEET 7 OF 18 SHEETS STA. 1120+00 TO STA. 1134+00

F.A. RTE. 290	SECTION 122-1B-11B	COUNTY	TOTAL SHEETS 402	SHEET NO. 101
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	



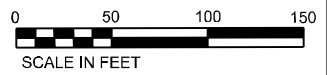
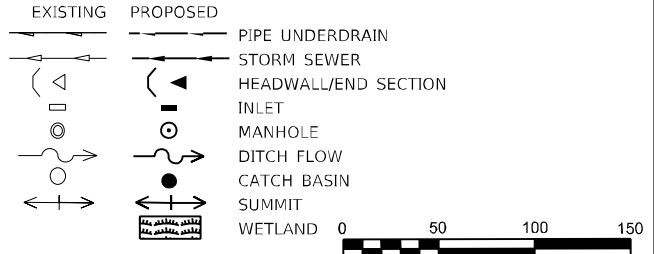
ADDISON WATER TREATMENT PLANT

MATCHLINE STA 1134+00.00

MATCHLINE STA 1149+00.00

LEGEND

[Cross-hatched box]	WORK ZONE
[Dashed line]	STORM SEWER REMOVAL
[Circle with 'C']	STORM SEWERS TO BE CLEANED
[Circle with 'P']	TEMPORARY STORM SEWER PLUG
[Circle with 'R']	DRAINAGE STRUCTURE TO BE REMOVED
[Circle with 'A']	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
[Circle with 'REL']	HEADWALL TO BE REMOVED AND RELOCATED
[Circle with 'S-XX']	PR DRAINAGE STRUCTURE NUMBER
[Circle with 'P-XX']	PR DRAINAGE PIPE NUMBER



- NOTES:**
1. ALL TEMPORARY STORM SEWER PLUGS ARE PLACED IN STAGES 1A AND 2A 1, AND SHOULD ADHERE TO THE SPECIAL PROVISIONS.
 2. FRAMES AND LIDS TO BE ADJUSTED SPECIAL: THE REMOVAL ADJUSTMENT TAKES PLACE IN STAGE 2A 1, WHILE THE REPLACEMENT ADJUSTMENT TAKES PLACE IN STAGE 2B.
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 4. ALL REQUIRED INFORMATION FOR THE TEMPORARY AND PROPOSED ITEMS ARE SHOWN ON THE SCHEDULE SHEETS AND PROFILE SHEETS.
 5. FOR ALL WETLAND AND W.O.U.S. IMPACTS, SEE EROSION CONTROL PLANS.
 6. THE CONSTRUCTOR IS RESPONSIBLE FOR CLEARING ANY SNOW OR ICE THAT ACCUMULATES ON THE OUTSIDE OF THE TEMPORARY BARRIER WALL DURING CONSTRUCTION.

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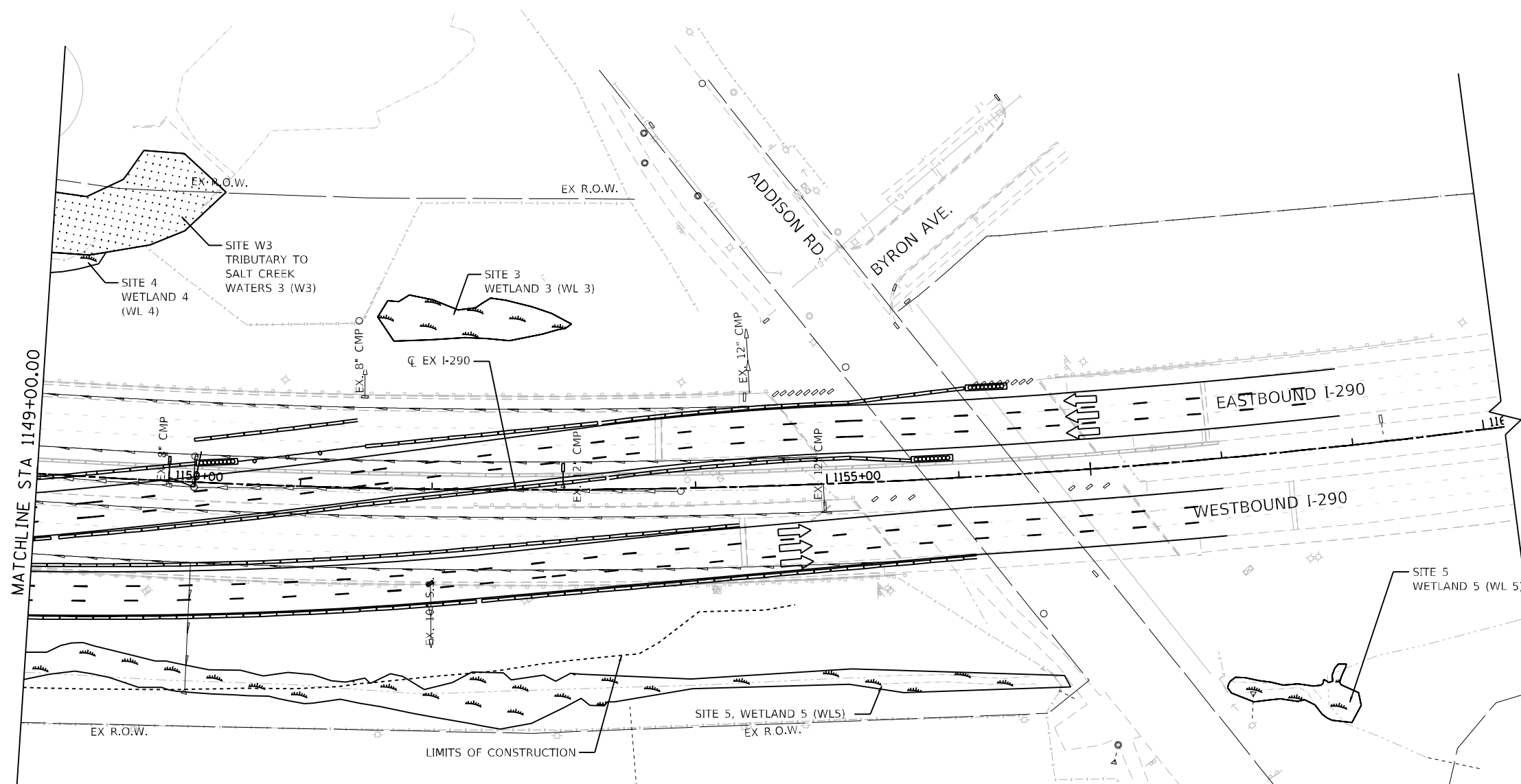
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PLOT SCALE -	DRAWN - JGM	REVISED -
PLOT DATE = 02/21/2018	CHECKED - JL	REVISED -
	DATE - 02/21/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY DRAINAGE PLAN
STAGE 2A-2**

SCALE: 1"=50' SHEET 8 OF 18 SHEETS STA. 1134+00 TO STA. 1149+00

F.A. RTE. 290	SECTION 122-1B-1B	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 102
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	



NOTES:

1. ALL TEMPORARY STORM SEWER PLUGS ARE PLACED IN STAGES 1A AND 2A 1, AND SHOULD ADHERE TO THE SPECIAL PROVISIONS.
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7. THIS SHEET DOES NOT INCLUDE TEMPORARY DRAINAGE WORK; HOWEVER, IT IS INCLUDED FOR REFERENCE ONLY.

LEGEND

	WORK ZONE
	STORM SEWER REMOVAL
	STORM SEWERS TO BE CLEANED
	TEMPORARY STORM SEWER PLUG
	DRAINAGE STRUCTURE TO BE REMOVED
	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
	HEADWALL TO BE REMOVED AND RELOCATED
	PR DRAINAGE STRUCTURE NUMBER
	PR DRAINAGE PIPE NUMBER
	PIPE UNDERDRAIN
	STORM SEWER
	HEADWALL/END SECTION
	INLET
	MANHOLE
	DITCH FLOW
	CATCH BASIN
	SUMMIT
	WETLAND

EXISTING PROPOSED

0 50 100 150
SCALE IN FEET

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USER NAME = vertheim	DESIGNED - JGM	REVISED -
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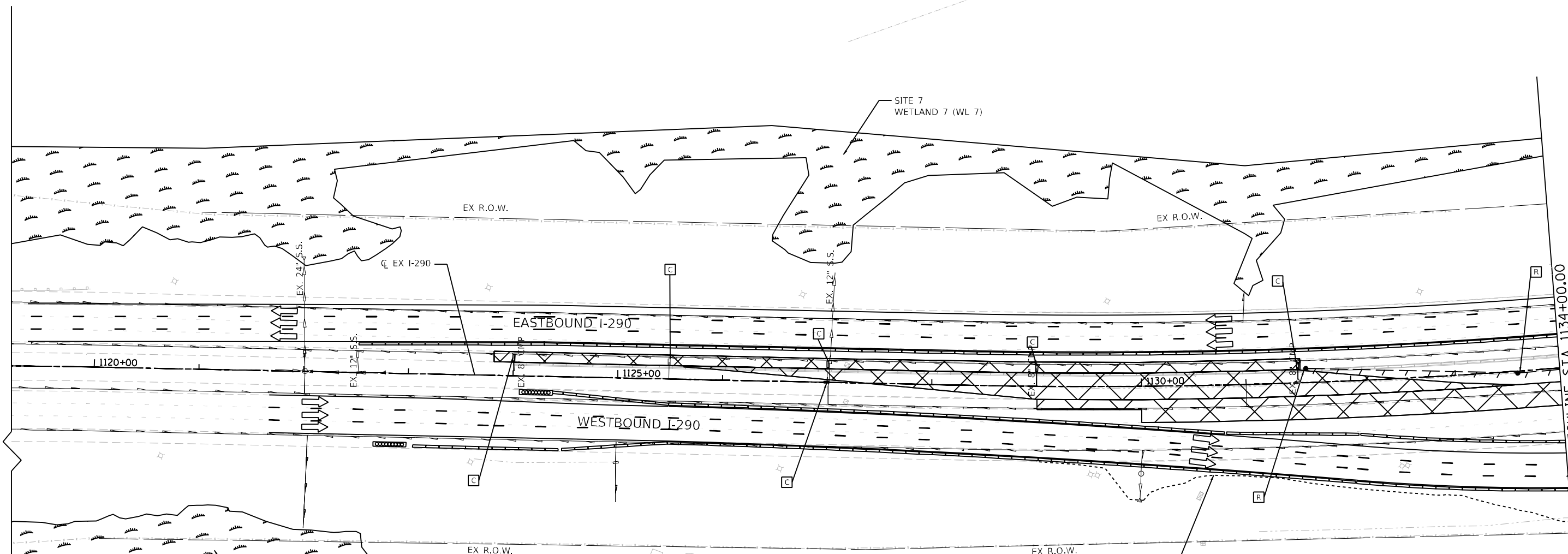
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY DRAINAGE PLAN STAGE 2A-2			
SCALE: 1"=50'	SHEET 9	OF 18 SHEETS	STA. 1149+00 TO STA. 1162+00

F.A. RTE. 290	SECTION 122-1B-11B	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 103
ILLINOIS FED. AID PROJECT				CONTRACT NO. 62C24

**PERMANENT DITCH IS CONSTRUCTED DURING STAGE 2C, AND SHOWN ON FINAL DRAINAGE PLANS.
 PIPE UNDERDRAIN RELOCATIONS ARE SHOWN ON STAGE 2B PLANS; HOWEVER, OCCUR DURING STAGE 2C,
 ALSO SHOWN ON FINAL DRAINAGE PLANS.

SALT CREEK



MATCHLINE STA 1134+00.00

- NOTES:
1. ALL TEMPORARY STORM SEWER PLUGS ARE PLACED IN STAGES 1A AND 2A 1, AND SHOULD ADHERE TO THE SPECIAL PROVISIONS.
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 6. THE CONSTRUCTOR IS RESPONSIBLE FOR CLEARING ANY SNOW OR ICE THAT ACCUMULATES ON THE OUTSIDE OF THE TEMPORARY BARRIER WALL DURING CONSTRUCTION.

LEGEND

	WORK ZONE
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	STORM SEWERS TO BE CLEANED
	TEMPORARY STORM SEWER PLUG
	DRAINAGE STRUCTURE TO BE REMOVED
	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
	HEADWALL TO BE REMOVED AND RELOCATED
	PR DRAINAGE STRUCTURE NUMBER
	PR DRAINAGE PIPE NUMBER
	EXISTING PIPE UNDERDRAIN
	PROPOSED PIPE UNDERDRAIN
	EXISTING STORM SEWER
	PROPOSED STORM SEWER
	EXISTING HEADWALL/END SECTION
	PROPOSED HEADWALL/END SECTION
	EXISTING INLET
	PROPOSED INLET
	EXISTING MANHOLE
	PROPOSED MANHOLE
	EXISTING DITCH FLOW
	PROPOSED DITCH FLOW
	EXISTING CATCH BASIN
	PROPOSED CATCH BASIN
	EXISTING SUMMIT
	PROPOSED SUMMIT
	EXISTING WETLAND
	PROPOSED WETLAND



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

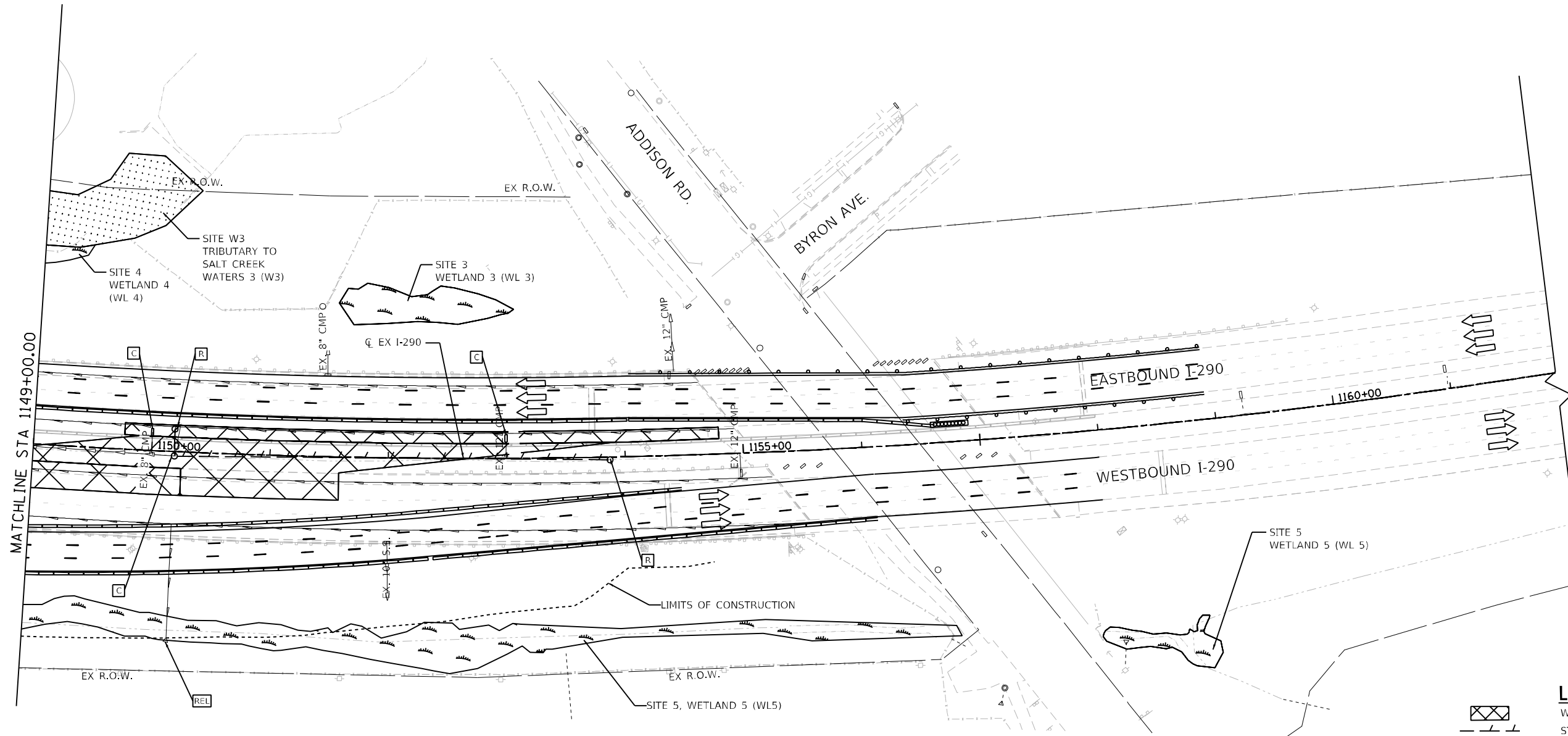
**TEMPORARY DRAINAGE PLAN
 STAGE 2B**

SCALE: 1"=50' SHEET 10 OF 18 SHEETS STA. 1120+00 TO STA. 1134+00

F.A. RTE. 290	SECTION 122-1B-1B	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 104
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	



**PERMANENT DITCH IS CONSTRUCTED DURING STAGE 2C, AND SHOWN ON FINAL DRAINAGE PLANS.
 PIPE UNDERDRAIN RELOCATIONS ARE SHOWN ON STAGE 2B PLANS, HOWEVER, OCCUR DURING STAGE 2C,
 ALSO SHOWN ON FINAL DRAINAGE PLANS.



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 6. THE CONSTRUCTOR IS RESPONSIBLE FOR CLEARING ANY SNOW OR ICE THAT ACCUMULATES ON THE OUTSIDE OF THE TEMPORARY BARRIER WALL DURING CONSTRUCTION.

LEGEND

- WORK ZONE
- STORM SEWER REMOVAL
- STORM SEWERS TO BE CLEANED
- TEMPORARY STORM SEWER PLUG
- DRAINAGE STRUCTURE TO BE REMOVED
- FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
- HEADWALL TO BE REMOVED AND RELOCATED
- PR DRAINAGE STRUCTURE NUMBER
- PR DRAINAGE PIPE NUMBER

EXISTING PROPOSED

- PIPE UNDERDRAIN
- STORM SEWER
- HEADWALL/END SECTION
- INLET
- MANHOLE
- DITCH FLOW
- CATCH BASIN
- SUMMIT
- WETLAND

SCALE IN FEET

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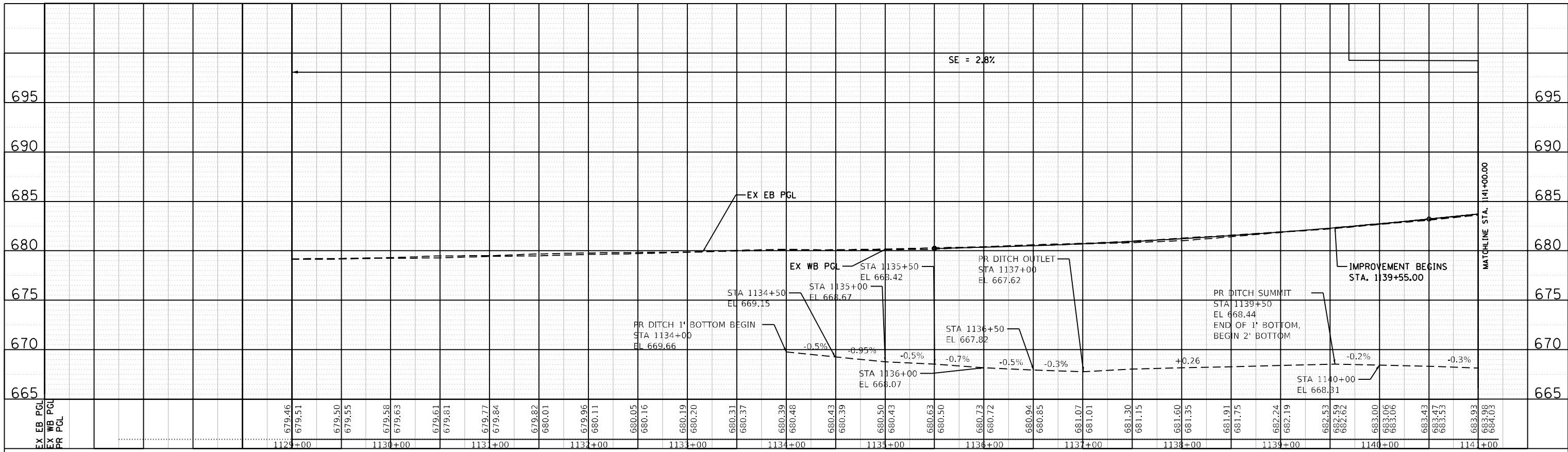
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

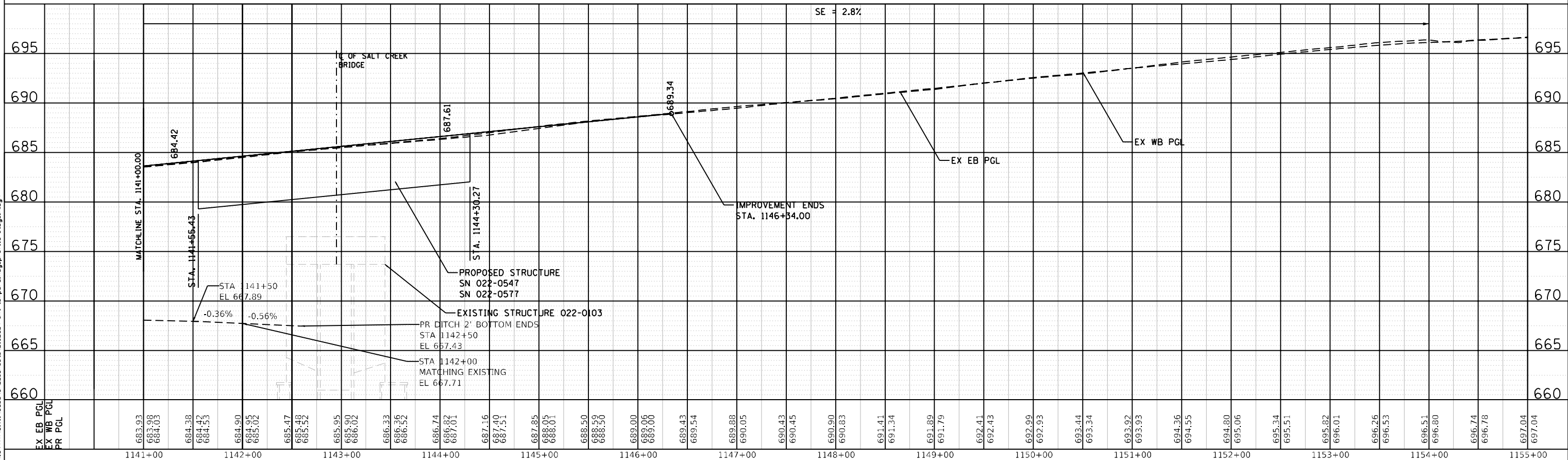
TEMPORARY DRAINAGE PLAN STAGE 2B	
SCALE: 1"=50'	SHEET 12 OF 18 SHEETS
STA. 1149+00	TO STA. 1162+00

F.A. RTE. 290	SECTION 122-1B-1B	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 106
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

PLAN	REVIEWED	DATE
NOTE BOOK NO.	ALIGNMENT CHECKED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	FILE NAME	



PROFILE	REVIEWED	DATE
NOTE BOOK NO.	GRADES CHECKED	BY
	STRUCTURE NOTATIONS CHECKED	
	FILE NAME	



Andmore Roderick
 1327 W WASHINGTON BLVD
 SUITE 105
 CHICAGO, IL 60607
 ardmore@ardmore.com

USER NAME - vertheim	DESIGNED - JGM	REVISED -
PLOT SCALE = 1"=50'	DRAWN - JGM	REVISED -
PLOT DATE = 02/21/2018	CHECKED - JL	REVISED -
	DATE - 02/21/2018	REVISED -

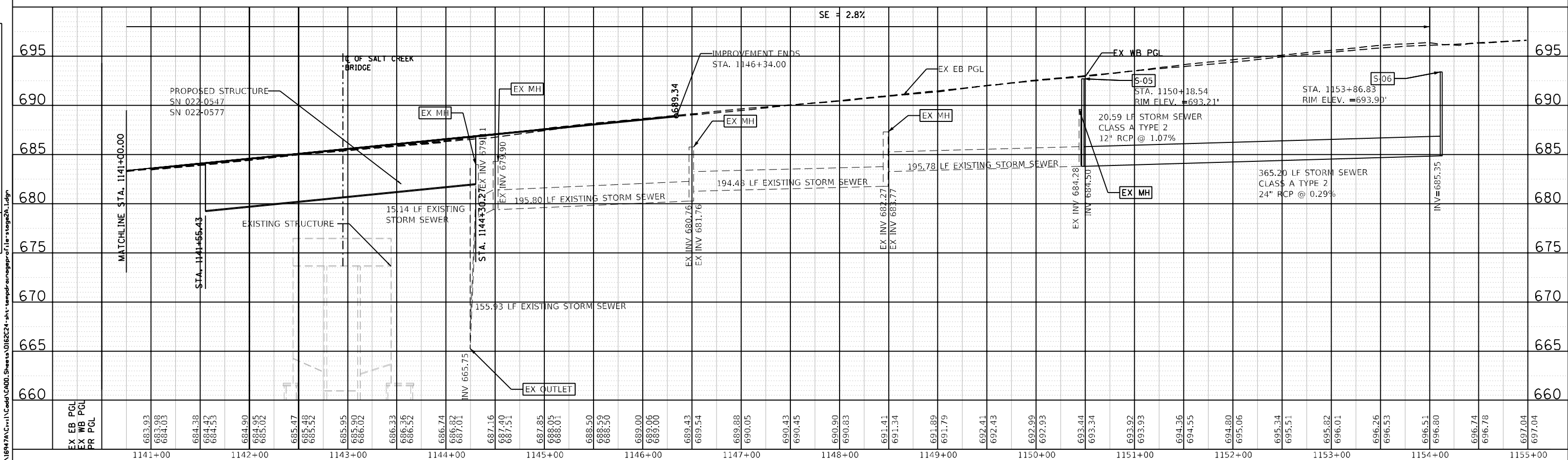
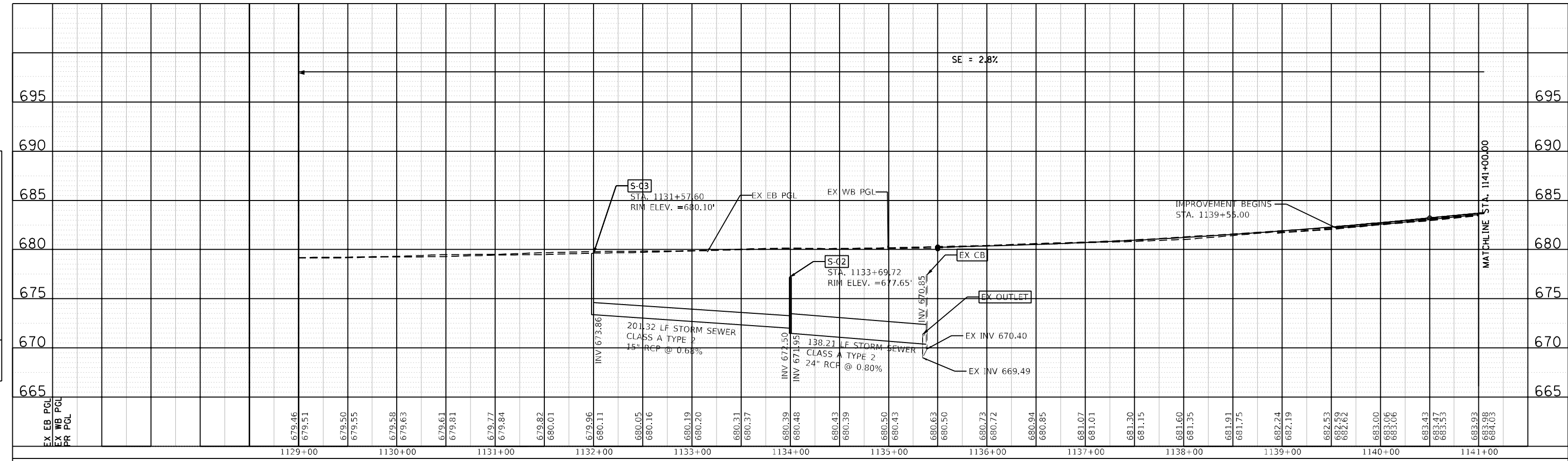
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY DRAINAGE PROFILE	
STAGE 1A	
SCALE: H:1=50;V:1=5	SHEET 13 OF 18 SHEETS
STA. 1129+00	TO STA. 1155+00

F.A. RTE. 290	SECTION 122-1B-11B	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 107
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

PLAN	REVIEWED	DATE
NOTE BOOK	PLOTTED	BY
NO.	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
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NOTE BOOK	PLOTTED	BY
NO.	GRADES CHECKED	
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	FILE NAME	



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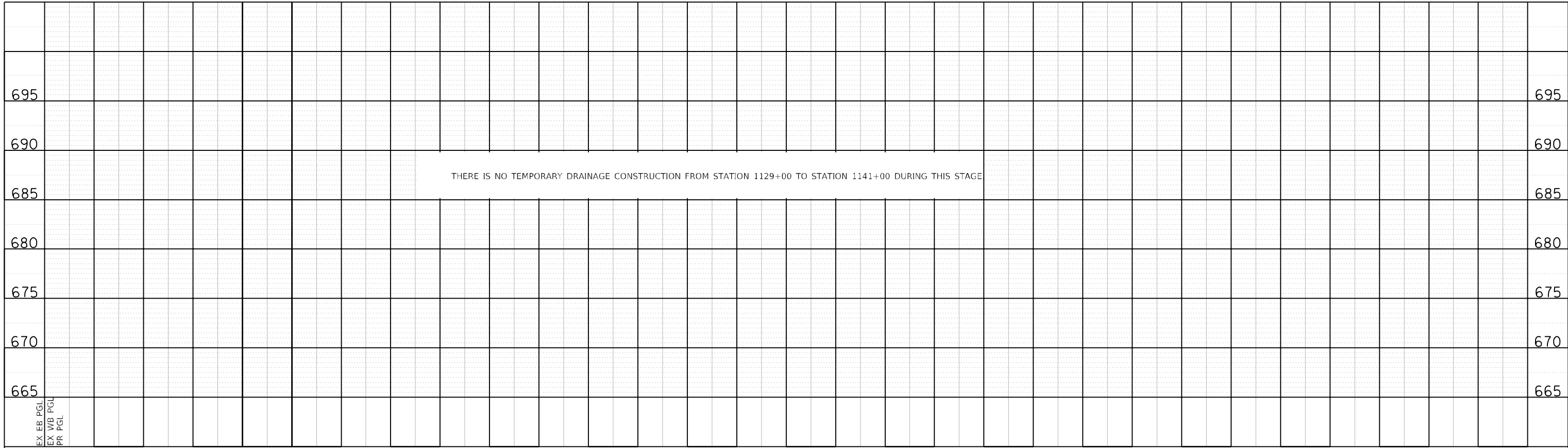
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY DRAINAGE PROFILE STAGE 2A-1	
SCALE: H:1=50;V:1=5	SHEET 14 OF 18 SHEETS
STA. 1129+00	TO STA. 1155+00

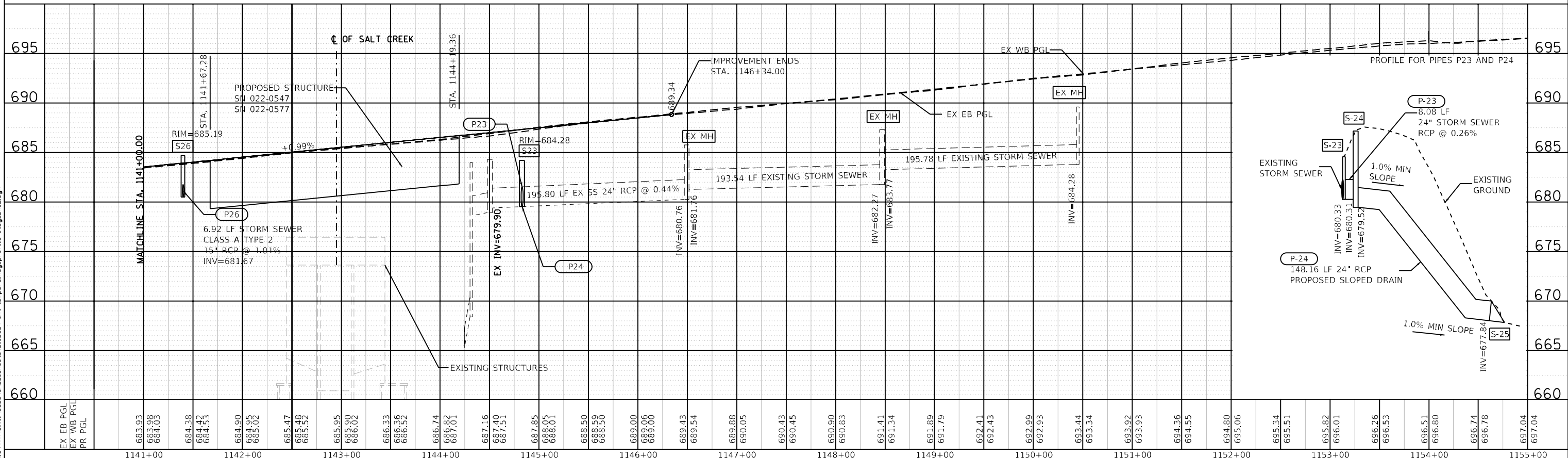
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 290	122-1B-11B	DUPAGE	402	108
CONTRACT NO. 62C24				ILLINOIS FED. AID PROJECT

PLAN	DATE
NO.	BY
REVISED	DATE
PLOTTED	BY
ALIGNMENT CHECKED	DATE
STRUCTURE NOTATIONS CHECKED	BY
CADD FILE NAME	

PROFILE	DATE
NO.	BY
REVISED	DATE
PLOTTED	BY
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STRUCTURE NOTATIONS CHECKED	BY
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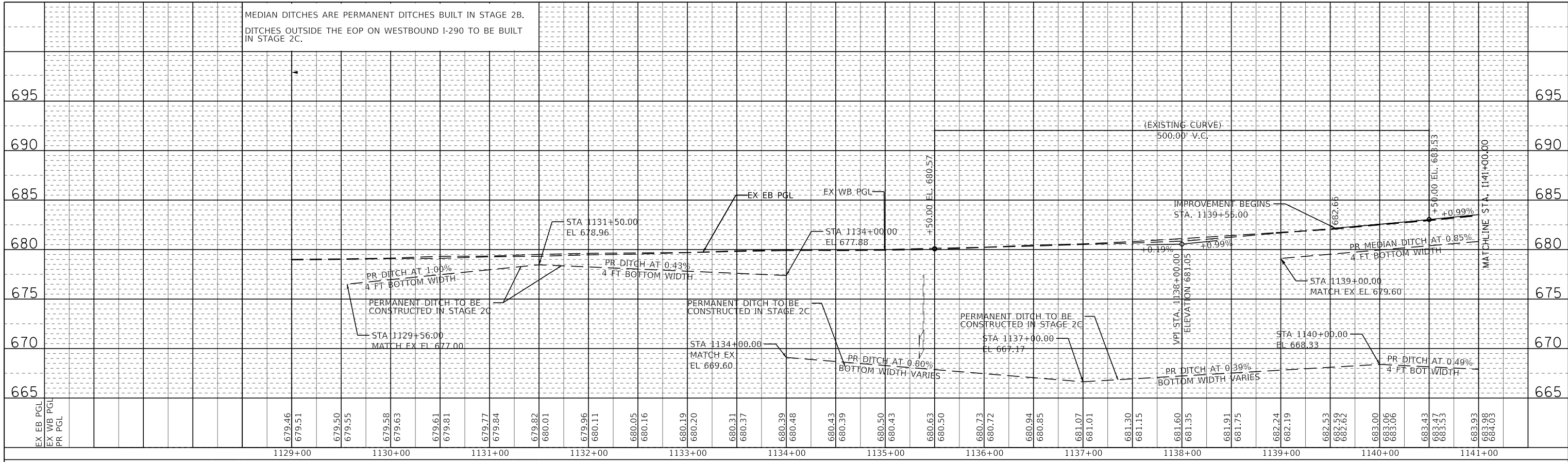
THERE IS NO TEMPORARY DRAINAGE CONSTRUCTION FROM STATION 1129+00 TO STATION 1141+00 DURING THIS STAGE



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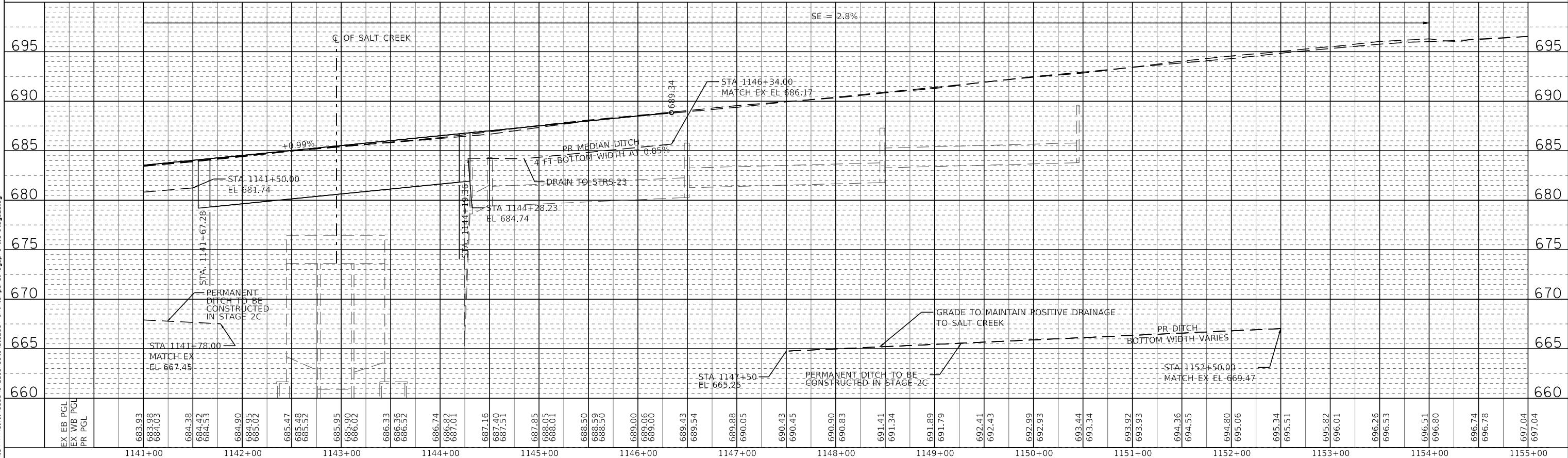
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EX WB PGL	683.98	1141+00	DRAWN - JGM	REVISED -		FAI 290	122-1B-1B	DUPAGE	402	109		
PR PGL	684.03	1141+00	CHECKED - JL	REVISED -		CONTRACT NO. 62C24						
	684.38	1141+00	DATE - 02/21/2018	REVISED -		ILLINOIS FED. AID PROJECT						

PLAN	REVIEWED	DATE
NO.	BY	
NOTE BOOK	ALIGNED	CHECKED
	NO.	FILE NAME



THERE IS NO TEMPORARY DRAINAGE CONSTRUCTION FROM STATION 1141+00 TO 1155+00 IN STAGE 2B. DITCHES SHOWN ARE PERMANENT DITCHES TO BE BUILT IN STAGE 2C.

PROFILE	REVIEWED	DATE
NO.	BY	
NOTE BOOK	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	



USER NAME = vertheim	DESIGNED - JGM	REVISED -
PLOT SCALE = 1"=50'	DRAWN - JGM	REVISED -
PLOT DATE = 01/25/2018	CHECKED - JL	REVISED -
	DATE - 01/25/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY DRAINAGE PROFILE STAGE 2B	
SCALE: H:1=50;V:1=5	SHEET 16 OF 18 SHEETS
STA. 1129+00	TO STA. 1155+00

F.A. RTE. 290	SECTION 22-1B-11B	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 110
CONTRACT NO. 62C24			ILLINOIS FED. AID PROJECT	

TEMPORARY DRAINAGE SCHEDULE

EXISTING DRAINAGE STRUCTURE SCHEDULE									
STATION	OFFSET	REMOVING MANHOLES 60500040	REMOVING CATCH BASINS 60500050	REMOVING INLETS 60500060	REMOVAL OF TEMPORARY STORM SEWER PLUGS X0327217	REMOVE CONCRETE HEADWALLS FOR PIPE DRAINS X6015000	FRAMES AND LIDS TO BE ADJUSTED X6030310	STAGE	COMMENTS
		EACH	EACH	EACH	EACH	EACH	EACH		
1148+52.63	72.09 RT						1	1A	EX RIM EL = 690.67
1151+99.59	71.62 RT						1	1A	EX RIM EL = 696.11
1124+00.16	17.17 LT						1	2A-1	EX RIM EL = 667.25
1125+48.70	16.25 LT						1	2A-1	EX RIM EL = 677.58
1126+99.21	0.16 LT						1	2A-1	EX RIM EL = 676.18
1127+00.24	17.36 LT						1	2A-1	EX RIM EL = 678.63
1128+99.95	17.30 LT						1	2A-1	EX RIM EL = 679.61
1131+49.85	16.26 LT						1	2A-1	EX RIM EL = 679.92
1150+00.00	16.00 LT						1	2A-1	EX RIM EL = 693.14
1152+99.42	16.73 LT						1	2A-1	EX RIM EL = 696.15
1125+48.70	16.67 LT				1			2A-1	EX INV EL = 675.10
1148+50.25	72.09 RT				1			2B	EX INV EL = 690.67
1124+00.99	4.43 LT				1			2B	EX INV EL = 667.25
1128+99.86	0.00 LT				1			2B	EX INV EL = 676.18
1131+49.95	2.23 LT				1			2B	EX INV EL = 678.63
1149+99.52	3.49 RT				1			2B	EX INV EL = 679.61
1152+99.47	4.59 LT				1			2B	EX INV EL = 679.92
1151+99.59	71.62 RT				1			2B	EX INV EL = 693.14
1126+99.21	4.59 LT				1			2B	EX INV EL = 696.15
1141+50.22	16.33 LT			1				2A-2	EX RIM EL = 684.54
1144+19.99	15.54 LT			1				2A-2	EX RIM EL = 687.11
1144+19.17	2.98 RT	1						2A-2	EX RIM EL = 684.00
1143+98.32	2.88 RT	1						2A-2	EX RIM EL = 684.01
1131+56.90	13.55 LT	1						2B	EX RIM EL = 680.10
1133+60.02	4.78 RT	1						2B	EX RIM EL = 677.65
1150+23.70	23.48 LT	1						2B	EX RIM EL = 690.10
1153+87.16	4.87 RT		1					2B	EX RIM EL = 690.10
1134+03.53	114.12 RT					1		1A	
1138+01.19	90.67 RT					1		1A	
1142+00.04	95.67 RT					1		1A	
1147+00.31	89.69 RT					1		1A	
1150+19.14	111.50 RT					1		1A	
1140+01.44	91.65 LT					1		2A-2	
TOTAL		5	1	2	9	6	10		

RIM ELEVATIONS AND INVERT ELEVATIONS MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION.

EXISTING DRAINAGE PIPE SCHEDULE											
FROM	TO	STORM SEWER REMOVAL 8" - 55100300	STORM SEWER REMOVAL 12" - 55100500	STORM SEWER REMOVAL 15" - 55100700	STORM SEWER REMOVAL 24" - 55101200	STORM SEWERS TO BE CLEANED 8" - X5537600	STORM SEWERS TO BE CLEANED 10" - X5537700	STORM SEWERS TO BE CLEANED 12" - X5537800	STAGE		
		FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT			
1141+49.91	0.00 RT	1141+50.22	13.04 LT	13.04						2A-2	
1144+19.70	12.64 LT	1144+19.17	2.98 RT	15.20						2A-2	
1150+18.89	19.22 LT	1150+19.34	3.82 RT		20.67					2B	
1153+87.28	2.328 RT	1150+19.34	3.815 RT			364.59				2B	
1144+19.17	2.98 RT	1143+98.32	2.88 RT			20.88				2A-2	
1143+98.32	2.88 RT	1143+92.57	160.52 LT			161.22				2A-2	
1131+57.63	13.35 LT	1133+59.58	1.84 RT		200.32					2B	
1133+59.58	1.84 RT	1134+97.22	1.99 RT			138.21				2B	
1148+50.25	72.09 RT	1148+50.52	121.68 RT			49.65				2B	
1124+00.99	4.43 LT	1124+00.16	17.17 LT			9.62				2B	
1128+99.86	0.06 LT	1128+99.95	17.30 LT			16.67				2B	
1131+49.95	2.23 LT	1131+49.85	16.26 LT			12.84				2B	
1149+99.52	3.49 RT	1150+00.00	16.00 LT			19.04				2B	
1152+99.47	4.59 LT	1152+99.46	13.56 LT			8.87				2B	
1125+48.70	16.25 LT	1125+48.70	0.49 RT			16.25				2B	
1151+99.59	71.62 RT	1152+00.92	120.22 RT				48.49			2B	
1126+99.21	4.59 LT	1127+00.24	17.39 LT					18.03		2B	
ROUNDED TOTAL				29	21	201	685	133	49	19	

FILE NAME : T:\16947A\Civil\CADD\CADD_Sheets\1622C64-sh-t-tempdrainremovalschedule.dwg



USER NAME = verthein	DESIGNED - JGM	REVISED -
DRAWN - JGM	REVISED -	
CHECKED - JL	REVISED -	
DATE - 01/25/2018	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY DRAINAGE SCHEDULES

SCALE: SHEET 17 OF 18 SHEETS STA. TO STA.

F.A. RTE. 290	SECTION (22-1B-1)B	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 111
CONTRACT NO. 62C24			ILLINOIS FED. AID PROJECT	

TEMPORARY DRAINAGE SCHEDULE

PROPOSED TEMPORARY DRAINAGE STRUCTURE SCHEDULE													
STRUCTURE	STATION	OFFSET	RIM (ELEV)	NE INVERT (ELEV)	NW INVERT (ELEV)	SE INVERT (ELEV)	SW INVERT (ELEV)	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" 54213669	CATCH BASINS, TYPE C, TYPE 23 FRAME AND GRATE 60208230	CATCH BASINS, TYPE D, 3'-DIAMETER, TYPE 8 GRATE 60211100	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE 60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE 60219530	BUILT IN STAGE
								EACH	EACH	EACH	EACH	EACH	
S-02	1133+59.72	1.79 RT	677.65		671.95	672.50					1		2A-1
S-03	1131+57.60	14.01 LT	680.10		673.86							1	2A-1
S-05	1150+18.54	12.72 LT	693.21	684.50								1	2A-1
S-06	1153+86.83	2.26 RT	693.90			685.35			1				2A-1
S-23	1144+50.00	1.71 RT	684.63				680.33				1		2A-2
S-24	1144+50.00	11.05 LT	688.25	680.30			679.52					1	2A-2
S-25	1144+50.30	162.21 LT	-	667.89				1					2A-2
S-26	1141+39.57	11.40 LT	685.19	681.66					1				2A-2
S-27	1141+39.57	2.34 LT	-				681.60	1					2A-2
TOTAL								2	1	1	2	3	

PIPE UNDERDRAINS, TYPE 2, 6"						
60108206						
UPSTREAM		DOWNSTREAM		LENGTH (FOOT)	BUILT IN STAGE	
STATION	OFFSET	STATION	OFFSET			
1139+55.00	61.00 LT	1139+99.50	61.00 LT	44.5	2A-2	
1141+30.72	61.00 LT	1140+00.50	61.00 LT	130.22	2A-2	
1141+50.84	21.00 LT	1139+60.50	21.00 LT	190.34	2A-2	
1141+71.63	21.00 RT	1139+55.00	21.00 RT	216.63	2B	
1141+91.12	61.00 RT	1139+55.00	61.00 RT	236.12	2C	
1146+34.00	61.00 LT	1144+29.90	61.00 LT	204.1	2A-2	
1144+00.00	61.00 LT	1144+29.40	61.00 LT	29.4	2A-2	
1146+34.00	21.00 LT	1144+51.14	21.00 LT	182.86	2A-2	
1144+19.50	21.00 LT	1144+48.80	21.00 LT	29.3	2A-2	
1146+34.00	21.00 RT	1144+50.00	21.00 RT	184	2B	
1144+36.45	21.00 RT	1144+49.50	21.00 RT	13.05	2B	
1146+34.00	61.00 RT	1145+00.50	61.00 RT	133.5	2C	
1144+52.85	61.00 RT	1144+99.50	61.00 RT	46.65	2C	
ROUNDED TOTAL				1641		

PIPE UNDERDRAINS 6" (SPECIAL)						
60108200						
UPSTREAM		DOWNSTREAM		LENGTH (FOOT)	BUILT IN STAGE	
STATION	OFFSET	STATION	OFFSET			
1134+03.53	114.12 RT	1134+03.39	123.58 RT	10	1A	
1138+01.19	89.01 RT	1137+98.74	131.66 RT	43	1A	
1147+00.31	89.69 RT	1147+00.31	134.29 RT	43	1A	
1150+19.14	149.33 RT	1150+19.14	154.24 RT	5	1A	
1140+00.50	61.00 LT	1140+00.50	81.61 LT	21	2A-2	
1139+99.50	61.00 LT	1139+99.50	81.61 LT	21	2A-3	
1139+60.50	21.00 LT	1139+60.50	3.10 LT	18	2A-2	
1144+29.40	61.00 LT	1144+29.40	91.00 LT	22	2A-2	
1144+29.90	61.00 LT	1144+29.90	91.00 LT	22	2A-2	
1144+48.80	21.00 LT	1144+48.80	11.04 LT	8	2A-2	
1144+51.14	21.00 LT	1144+51.14	11.04 LT	8	2A-2	
1144+50.50	21.00 RT	1144+50.00	1.69 RT	17	2B	
1144+49.50	21.00 RT	1144+50.00	1.69 RT	17	2B	
1144+99.50	61.00 RT	1144+99.50	88.25 RT	35	2C	
1145+00.50	61.00 RT	1145+00.50	88.25 RT	35	2C	
TOTAL				325		

*LOCATION OF EXISTING CONCRETE HEADWALL FOR PIPE UNDERDRAIN MUST BE FIELD VERIFIED BEFORE CONSTRUCTION.

PROPOSED DRAINAGE PIPE SCHEDULE											
PIPE	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	UPSTREAM INVERT ELEVATION	DOWNSTREAM INVERT ELEVATION	STORM SEWERS, CLASS A, TYPE 1 12" 550A0050	STORM SEWERS, CLASS A, TYPE 1 15" 550A0070	STORM SEWERS, CLASS A, TYPE 1 24" 550A0120	STORM SEWERS, CLASS A, TYPE 2 24" 550A0410	TRENCH BACKFILL 20800150	CONNECTION TO EXISTING DRAINAGE STRUCTURE X6020399	BUILT IN STAGE
					FOOT	FOOT	FOOT	FOOT	CU YD	EACH	
P-02	S-2	CONNECTION TO EXISTING STORM SEWER	671.95	670.85*			138		139.2	1	2A-1
P-03	S-3	S-02	673.86	672.50		201			170.4		2A-1
P-05	S-5	CONNECTION TO EXISTING STORM SEWER	684.50	684.28*	21				4.9	1	2A-1
P-06	S-6	CONNECTION TO EXISTING STORM SEWER	685.35	684.28*			365		53.3	1	2A-1
P-23	S-23	S-24	680.33	680.30				8	6.8		2A-2
P-24	S-24	S-25	679.52	677.84				148	15.2		2A-2
P-26	S-26	S-27	681.66	681.60		7			0.9		2A-2
TOTAL					21	208	503	156	391	3	

* MEET EXISTING INVERTS. ALL EXISTING ELEVATIONS MUST BE FIELD VERIFIED

REMOVE AND REINSTALL CONCRETE HEADWALL FOR PIPE DRAIN X0301993						
REMOVE FROM		INSTALL AT		QUANTITY EACH	STAGE	
STATION	OFFSET *	STATION	OFFSET *			
1134+03.53	125.74 RT	1134+03.39	114.12 RT	1	2C	
1138+01.19	135.30 RT	1138+01.19	90.67 RT	1	2C	
1147+00.31	154.86 RT	1147+00.31	89.69 RT	1	2C	
1150+19.14	154.24 RT	1150+19.14	120.75 RT	1	2C	
TOTAL				4		

* OFFSET CALLED AT END OF UNDERDRAIN PIPE

CONCRETE HEADWALLS FOR PIPE DRAINS 60100060				
STATION	OFFSET	QUANTITY (EACH)	BUILT IN STAGE	
1134+03.39	125.74 RT	1	1A	
1138+01.19	135.3 RT	1	1A	
1147+00.31	154.86 RT	1	1A	
1150+19.14	154.24 RT	1	1A	
1140+00.00	81.61 LT	1	2A-2	
1139+60.50	3.10 LT	1	2A-2	
1144+29.60	91.00 LT	1	2A-2	
1145+00.00	88.25 RT	1	2C	
TOTAL		8		

*LOCATION OF EXISTING CONCRETE HEADWALL FOR PIPE UNDERDRAIN MUST BE FIELD VERIFIED BEFORE CONSTRUCTION.

PROPOSED TEMPORARY STORM SEWER PLUGS X0322208				
STATION	OFFSET	QUANTITY EACH	BUILT IN STAGE	
1148+50.25	72.09 RT	1	1A	
1151+99.59	71.62 RT	1	1A	
1124+00.99	4.43 LT	1	2A-1	
1125+48.70	16.67 LT	1	2A-1	
1126+99.21	4.59 LT	1	2A-2	
1128+99.86	0.06 LT	1	2A-1	
1131+49.95	2.23 LT	1	2A-1	
1149+99.52	3.49 RT	1	2A-2	
1152+99.47	4.59 LT	1	2A-2	
TOTAL		9		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY DRAINAGE SCHEDULES

SCALE: SHEET 18 OF 18 SHEETS STA. TO STA.

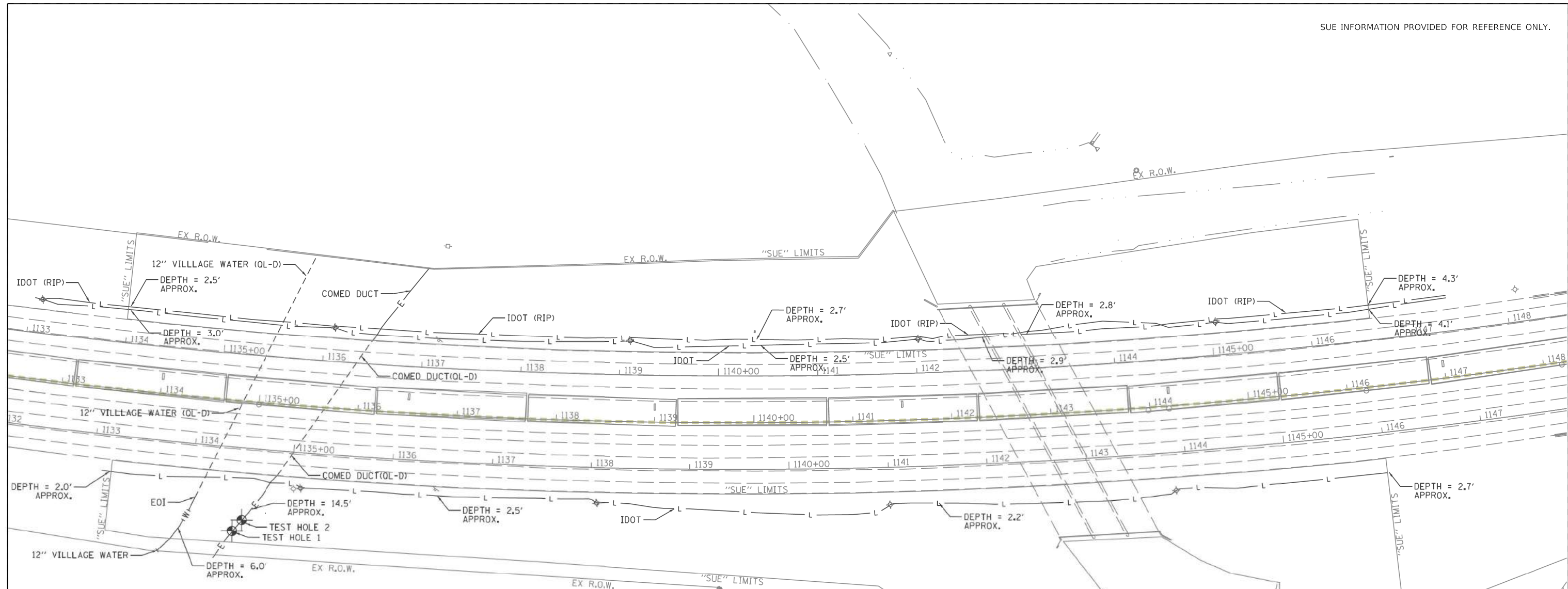
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 290	(22-1B-1)B	DUPAGE	402	112
CONTRACT NO. 62C24			ILLINOIS FED. AID PROJECT	

FILE NAME = T:\16947A\Civil\Cadd\CADD_Sheets\0162C24-sh-t-tempdrainageschedule.dgn



USER NAME = vertheim
DESIGNED - JGM
DRAWN - JGM
CHECKED - JL
DATE - 02/21/2018

REVISED -
REVISED -
REVISED -
REVISED -



UTILITY OWNERS

VILLAGE OF ADDISON, WATER DEPT.
ATTN: JOEL MELIN
COMMUNITY DEVELOPMENT
1 FRIENDSHIP PLAZA
ADDISON, IL 60101
630-693-7534
jmelin@addison-il.org

COMED
ATTN: ANGELA HARRELL
COMED PUBLIC RELOCATION
LINCOLN CENTER ONE
630-576-6185
angela.harrell@comed.com

I.D.O.T. Region 1 / District 1
STREET LIGHTING
201 WEST CENTER COURT
SCHAUMBURG, IL 60196

LEGEND

ALL UTILITY INFORMATION HEREON IS DEPICTED TO QUALITY LEVEL "B" (OL-B) UNLESS OTHERWISE NOTED. OL-B INFORMATION IS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO IDENTIFY THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. OL-B DATA ARE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES AND REDUCED ONTO PLAN DOCUMENTS.

SIZE INFORMATION SHOWN HEREON IS TAKEN FROM AVAILABLE UTILITY RECORDS.

ABBREVIATIONS:

(OL-C) DEPICTED ACCORDING TO RECORD INFORMATION AND EXISTING ASSOCIATED UTILITY STRUCTURES. NO ELECTRONIC INFORMATION WAS OBTAINED.

(OL-D) DEPICTED ACCORDING TO RECORD INFORMATION. NO ELECTRONIC INFORMATION WAS OBTAINED.

(DATFI) DEPICTED ACCORDING TO FIELD INSPECTION

(FO) FIBER OPTIC

(RIP) RETIRED IN PLACE ACCORDING TO UTILITY RECORDS

(EATFI) EMPTY ACCORDING TO FIELD INSPECTION

EOI END OF ELECTRONIC DESIGNATING INFORMATION

EORI END OF UTILITY RECORD INFORMATION

(NAC) NO ASSOCIATED CABLE FOUND FROM UTILITY STRUCTURE

(NAP) NO ASSOCIATED PIPING FOUND FROM UTILITY STRUCTURE

E UTILITY ENDPOINT

UNLESS OTHERWISE NOTED, UTILITY LINE LIMITS DEPICTED REPRESENT FIELD DESIGNATING LIMITS AND NOT ENDPOINTS OF UTILITIES.

UTILITY INFORMATION LABELED "OL-C" OR "OL-D" IS DERIVED FROM FURNISHED RECORDS. SUCH INFORMATION MAY NOT BE ACCURATE OR RELIABLE. SO-DEEP, INC. EXPRESSLY DISCLAIMS RESPONSIBILITY FOR THE ACCURACY OR RELIABILITY OF UTILITY INFORMATION DEPICTED ACCORDING TO RECORDS.

ELECTRONIC DEPTH READINGS WERE TAKEN DIRECTLY FROM ELECTRONIC DESIGNATING INSTRUMENTS AND HAVE NOT BEEN VERIFIED BY ANY OTHER MEANS. EQUIPMENT MANUFACTURERS WILL NOT GUARANTEE AND ACCURACY FOR THIS DATA. THEREFORE, THE DEPTH READINGS ARE NOT TO BE CONSIDERED SUITABLE FOR DESIGN DECISIONS. SO-DEEP, INC. DOES NOT WARRANT OR GUARANTEE THE ACCURACY OF RELIABILITY OF ANY ELECTRONIC DEPTH READINGS.

SO-DEEP The Subsurface Utility Engineering Company
8397 Euclid Avenue
Monroeville, PA 15141
703-361-6005

D162C24-SUE.DGN Designated By: P.R.
Sheet: 1 Drafted By: B.S.
Rev. Date: 12-14-2017 Checked By: S.W.
Date: 10-30-2017 **SIMG167**



— A — A — A — AERIAL
— L — L — L — STREET LIGHTING
— E — E — E — ELECTRIC
— FO — FO — FO — FIBER OPTIC
— G — G — G — GAS
— O — O — O — OIL
— T — T — T — SANITARY SEWER
— T — T — T — TELEPHONE
— W — W — W — UNKNOWN
— W — W — W — WATER
— (OL-C) / (OL-D)
● SO-DEEP TEST HOLE

ILLINOIS
SCOTT ALLEN WECHTER
REG. 62-042988
PROFESSIONAL ENGINEER

I, SCOTT ALLEN WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SO-DEEP, INC. ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: _____

FILE NAME = T:\169474\Civil\Cadd\CADD_Sheets\162C24-sh1-SUE.dgn



WSP USA Inc.
30 N. LASALLE STREET
SUITE 400
CHICAGO, IL 60602
TEL: (312) 782-8100
FAX: (312) 782-1884

USER NAME = donahuek1	DESIGNED - MMA	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN - MMA	REVISED -
PLOT DATE = 1/15/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING SUE INFORMATION

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 1134+00 TO STA. 1149+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 290	(22-1B-1)B	DUPAGE	402	113
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING SCHEDULE

LOCATION	MODIFIED URETHANE PAVEMENT MARKING TYPE I - LINE 12"	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - INLAID - LINE 5"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 8"	GROOVING FOR RECESSED PAVEMENT MARKING 6"	GROOVING FOR RECESSED PAVEMENT MARKING 9"	RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	REPLACEMENT REFLECTOR	SHOULDER RUMBLE STRIPS, 16 INCH
	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH	FOOT
EB I - 290	217	7913	1636	342	1636	342	22	202	166	5036
WB I - 290	218	7262	1501	315	1501	315	22	186	152	5928
TOTAL	435	15175	3137	657	3137	657	44	388	318	10964

NOTE: SEE STAGING SCHEDULE FOR PAVEMENT MARKING REMOVAL - WATER BLASTING.

FILE NAME : T:\16947A\Civil\Cadd\CADD_Sheets\162C24-shr.pmk-Schedule.dgn



WSP USA Inc.
30 N. LASALLE STREET
SUITE 400
CHICAGO, IL 60602
TEL: (312) 782-8100
FAX: (312) 782-1884

USER NAME = donahuek1	DESIGNED - KSD	REVISED -
	DRAWN - KSD	REVISED -
PLOT SCALE = 50:1	CHECKED - RPH	REVISED -
PLOT DATE = 1/25/2018	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING SCHEDULE

SCALE: SHEET 1 OF 9 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 290	122-1B-11B	DUPAGE	402	115
CONTRACT NO.			62C24	
ILLINOIS		FED. AID PROJECT		

LANDSCAPE SCHEDULE

BEDS	BOTANICAL NAME	COMMON NAME	QUANTITY	SPACING
PERENNIAL PLANTS, SEDGE MEADOW TYPE, 2" DIAMETER BY 4" DEEP PLUG				
A	BAPTISIA LEUCANTHA	WILD INDIGO	38	30" O.C.
	EUPATORIUM PURPUREUM	PURPLE JOE PYE WEED	38	36" O.C.
	RATIBIDA PINNATA	YELLOW CONEFLOWER	38	24" O.C.
	SORGHASTRUM NUTANS	INDIAN GRASS	38	24" O.C.
B	ANDROPOGON GERARDII	BIG BLUESTEM	38	24" O.C.
	LIATRIS PYCNOSTACHYA	PRAIRIE BLAZINGSTAR	38	24" O.C.
	SILENE REGIA	ROYAL CATCHFLY	38	12" O.C.
C	PANICUM VIRGATUM	SWITCH GRASS	19	24" O.C.
	RUDBECKIA SUBTOMENTOSA	SWEET BLACK-EYED SUSAN	19	24" O.C.
D	PANICUM VIRGATUM	SWITCH GRASS	19	24" O.C.
	RUDBECKIA SUBTOMENTOSA	SWEET BLACK-EYED SUSAN	19	24" O.C.
E	HEUCHERA RICHARDSONII	PRAIRIE ALUMROOT	38	18" O.C.
	MONARDA FISTULOSA	WILD BERGAMONT	38	24" O.C.
	SCHIZACHYRIUM SCOPARIUS	LITTLE BLUESTEM	38	24" O.C.
F	COREOPSIS PALMATA	PRAIRIE COREOPSIS	38	24" O.C.
	SPOROBOLUS HETEROLEPSIS	PRAIRIE DROPSEED	38	24" O.C.
	SYMPHYOTRICHUM ERICOIDES	HEATH ASTER	38	24" O.C.
	ZIZIA APTERA	HEART-LEAVED MEADOW PARSNIP	38	24" O.C.
G	BAPTISIA LEUCANTHA	WILD INDIGO	38	30" O.C.
	SCHIZACHYRIUM SCOPARIUS	LITTLE BLUESTEM	38	24" O.C.
H	ASCLEPIAS INCARNATA	SWAMP MILKWEED	38	24" O.C.
	HEUCHERA RICHARDSONII	PRAIRIE ALUMROOT	38	18" O.C.
	PANICUM VIRGATUM	PANIC GRASS	38	30" O.C.
I	BLEPHLIA CILIATA	DOWNY WOOD MINT	38	18" O.C.
	SPOROBOLUS HETEROLEPSIS	PRAIRIE DROPSEED	38	24" O.C.
	CAREX VULPINOIDEA	BROWN FOX SEDGE	38	18" O.C.
J	SILENE REGIA	ROYAL CATCHFLY	38	12" O.C.
	SYMPHYOTRICHUM OOLENTANGIENSE	SKY BLUE ASTER	38	24" O.C.
	ZIZIA APTERA	HEART-LEAVED MEADOW PARSNIP	38	30" O.C.
K	ELYMUS VIRGINICUS	VIRGINIA WILD RYE	38	24" O.C.
	BAPTISIA LEUCANTHA	WILD INDIGO	38	30" O.C.
	ERYNGIUM YUCCIFOLIUM	RATTLE SNAKE MASTER	38	24" O.C.
	RUDBECKIA SUBTOMENTOSA	SWEET BLACK-EYED SUSAN	38	24" O.C.

BEDS	BOTANICAL NAME	COMMON NAME	QUANTITY	SPACING
PERENNIAL PLANTS, SEDGE MEADOW TYPE, 2" DIAMETER BY 4" DEEP PLUG				
L	ASCLEPIAS INCARNATA	SWAMP MILKWEED	38	24" O.C.
	SCIRPUS PENDULUS	DROOPING BULRUSH	38	24" O.C.
	SYMPHYOTRICHUM LAEVIS	SMOOTH BLUE ASTER	38	24" O.C.
	ASCLEPIAS INCARNATA	SWAMP MILKWEED	38	24" O.C.
M	EUPATORIUM PURPUREUM	PURPLE JOE PYE WEED	38	36" O.C.
	ELYMUS VIRGINICUS	VIRGINIA WILD RYE	38	24" O.C.
	ASCLEPIAS INCARNATA	SWAMP MILKWEED	38	24" O.C.
N	EUPATORIUM PURPUREUM	PURPLE JOE PYE WEED	38	36" O.C.
	ELYMUS VIRGINICUS	VIRGINIA WILD RYE	38	24" O.C.
O	HEUCHERA RICHARDSONII	PRAIRIE ALUMROOT	38	18" O.C.
	MONARDA FISTULOSA	WILD BERGAMONT	38	24" O.C.
	SCHIZACHYRIUM SCOPARIUS	LITTLE BLUESTEM	38	24" O.C.
P	ERYNGIUM YUCCIFOLIUM	RATTLE SNAKE MASTER	38	24" O.C.
	LIATRIS PYCNOSTACHYA	PRAIRIE BLAZINGSTAR	38	24" O.C.
	SPOROBOLUS HETEROLEPSIS	PRAIRIE DROPSEED	38	24" O.C.
Q	BAPTISIA LEUCANTHA	WILD INDIGO	38	30" O.C.
	COREOPSIS PALMATA	PRAIRIE COREOPSIS	38	24" O.C.
	SCHIZACHYRIUM SCOPARIUS	LITTLE BLUESTEM	38	24" O.C.
R	BLEPHLIA CILIATA	DOWNY WOOD MINT	38	18" O.C.
	SORGHASTRUM NUTANS	INDIAN GRASS	38	24" O.C.
	ZIZIA APTERA	HEART-LEAVED MEADOW PARSNIP	38	30" O.C.
S	LIATRIS PYCNOSTACHYA	PRAIRIE BLAZINGSTAR	38	24" O.C.
	SCHIZACHYRIUM SCOPARIUS	LITTLE BLUESTEM	38	24" O.C.
	SYMPHYOTRICHUM ERICOIDES	HEATH ASTER	38	24" O.C.
T	MONARDA FISTULOSA	WILD BERGAMONT	38	24" O.C.
	SCHIZACHYRIUM SCOPARIUS	LITTLE BLUESTEM	38	24" O.C.
TOTAL UNITS			21.66	

BOTANICAL NAME	COMMON NAME	SIZE	LANDSCAPE SHEET 1	LANDSCAPE SHEET 2	LANDSCAPE SHEET 3	TOTAL QUANTITY
SHADE TREES						
AESCULUS FLAVEA	YELLOW SWEET BUCKEYE	2" CAL		4		4
BETULA NIGRA	RIVER BIRCH	6' HT	6			6
CATALPA SPECIOSA	NORTHERN CATALPA	2-1/2" CAL	3			3
CELTIS OCCIDENTALIS	COMMON HACKBERRY	2" CAL		6		6
GYMNOCLADUS DIOICUS	KENTUCKY COFFEETREE	2-1/2" CAL			3	3
QUERCUS BICOLOR	SWAMP WHITE OAK	2" CAL	10	1	3	14
QUERCUS MACROCARPA	BUR OAK	2" CAL	8			8
QUERCUS MUEHLENBERGII	CHINKAPIN OAK	2" CAL		8	5	13
TILIA AMERICANA	AMERICAN LINDEN	2-1/2" CAL	3			3
ULMUS AMERICANA PRINCETON	PRINCETON AMERICAN ELM	2-1/2" CAL	2	5	1	8
ORNAMENTAL TREES						
CRATAEGUS CRUSGALLI INERMIS	THORNLESS COCKSPUR HAWTHORN	5' HEIGHT		8		8

FILE NAME = T:\16947A\Civil\Cadd\CADD_Sheets\0162C24-shr-15-Schedule.dgn



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USER NAME = donahuek1	DESIGNED - FCO	REVISED -
PLOT SCALE = 50:1	DRAWN - FCO	REVISED -
PLOT DATE = 1/25/2018	CHECKED - FCO	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LANDSCAPE SCHEDULE

SCALE: SHEET 2 OF 9 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-11B)	DUPAGE	402	116
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

CALENDAR OF LANDSCAPE CONSTRUCTION AND ESTABLISHMENT WORK

ITEM	2018						2019											
	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC

TURF RESTORATION AND ESTABLISHMENT WORK

SEEDING, CLASS 2A SPRING: APRIL 1 TO JUNE 15 FALL: AUGUST 1 TO NOVEMBER 1 DORMANT SEEDING: NOVEMBER 1 TO MARCH 31 MOWING (ACRE) MOW FIRST 15' ALONG SHOULDER AS NEEDED TO PREVENT SIGHT DISTANCE PROBLEMS							SPRING SEEDING OF CLASS 2A (IF NECESSARY)						FALL SEEDING OF CLASS 2A (IF NECESSARY)					
	DORMANT SEEDING OF CLASS 2A (IF NECESSARY)												DORMANT SEEDING OF CLASS 2A (IF NECESSARY)					
MOW AS NEEDED												MOW AS NEEDED						

NATIVE AREAS RESTORATION AND ESTABLISHMENT WORK

WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL (AQUATIC) TO KILL TURF AREAS TO BE INTERSEEDED WITH NATIVE SEEDING AND AS DIRECTED BY THE ENGINEER WEED CONTROL, TEASEL SPRAY COLONIES BEFORE FLOWERING BEGINS WEED CONTROL, NATIVE LANDSCAPE REMEDIATION SELECTIVE, SPOT SPRAYING AS DIRECTED BY THE ENGINEER INTERSEEDING, CLASS 4, 4A, 5, & 5A FALL SEEDING: OCTOBER 15 TO NOVEMBER 15 DORMANT SEEDING: NOVEMBER 15 TO MARCH 15 SPRING SEEDING: MARCH 15 TO MAY 15 SEEDING, CLASS 4, 4A, 5, & 5A FALL SEEDING: OCTOBER 15 TO NOVEMBER 15 DORMANT SEEDING: NOVEMBER 15 TO MARCH 15 SPRING SEEDING: MARCH 15 TO MAY 15 MOWING (ACRE) MOW TO CONTROL TEASEL MOWING (UNIT) SELECTIVE, SPOT MOWING AS DIRECTED BY THE ENGINEER	MOW 1 - MOW COLONIES IN FLOWER		MOW 2 - MOW IF NECESSARY (LARGE AREAS OF FLOWERING TEASEL STILL REMAIN)								MOW 2 - MOW IF NECESSARY (LARGE AREAS OF FLOWERING TEASEL STILL REMAIN)		MOW IF TOO TALL TO SPRAY	
	SPOT MOW IF NECESSARY TO CONTROL SMALL AREAS OF TEASEL REMAIN		COMPLETE MOW OUT OF ENTIRE AREA						SPOT MOW IF NECESSARY TO CONTROL SMALL AREAS OF TEASEL REMAIN		MOW ANY AREAS THAT ARE TO BE INTERSEED TO A HEIGHT NO MORE OF 3"			
SPRAY 1		SPRAY 2		SPRAY 3 - SPRAY COLONIES AND SINGLE PLANTS THAT REGROW						SPRAY 4 - SPRAY COLONIES AND SINGLE PLANTS THAT REGROW		SPRAY 5 - ANY MISSED TEASEL ROSETTES & COLONIES UNTIL LATE NOVEMBER		
										SPRAY 1		SPRAY 2		
										FALL INTERSEEDING		DORMANT INTERSEEDING (IF NEEDED)		
										FALL SEEDING		DORMANT INTERSEEDING (IF NEEDED)		

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USER NAME = vertheim	DESIGNED - FCQ	REVISED -
PLOT SCALE = 50:1	DRAWN - FCQ	REVISED -
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	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

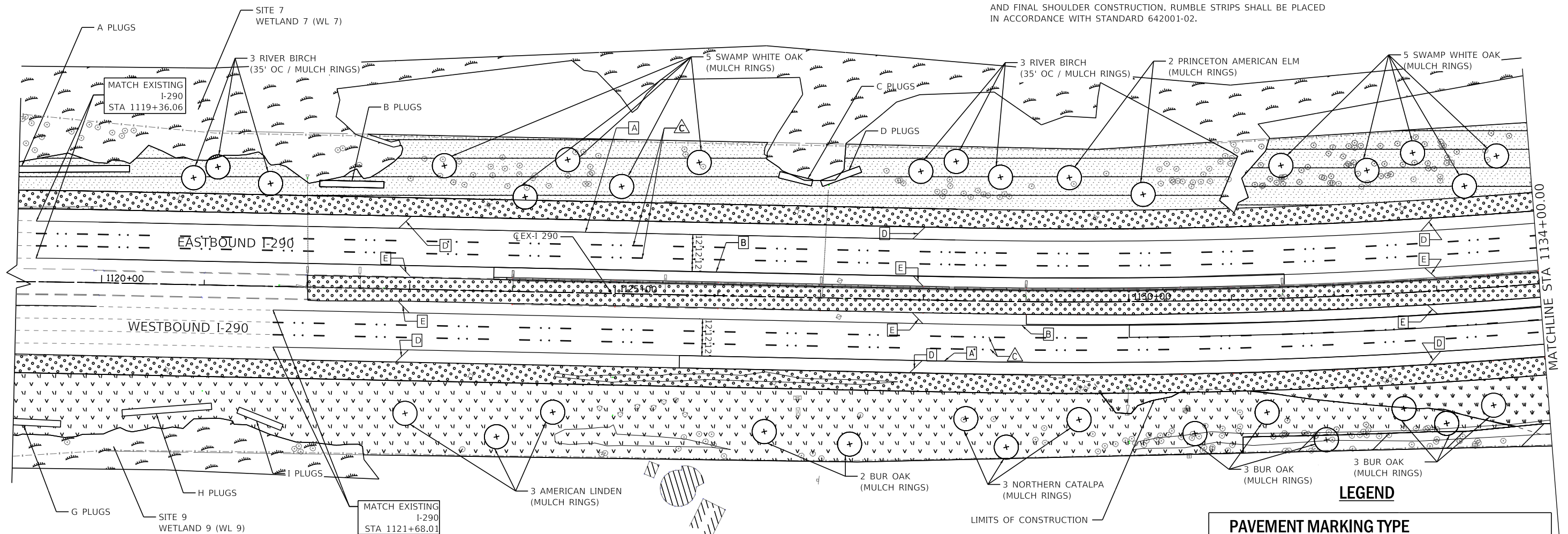
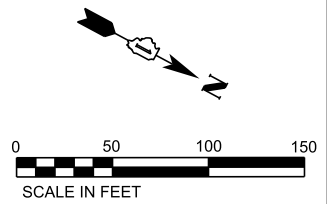
**CALENDAR OF LANDSCAPE CONSTRUCTION
 AND ESTABLISHMENT WORK**

SCALE: SHEET 3 OF 9 SHEETS STA. TO STA.

F.A. RTE. 290	SECTION 122-1B-11B	COUNTY	TOTAL SHEETS 402	SHEET NO. 116A
CONTRACT NO. 62C24			ILLINOIS FED. AID PROJECT	

PAVEMENT MARKING NOTES

1. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE OF THE IMPROVEMENT LIMITS SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
2. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RECORD AND RETAIN ALL EXISTING PAVEMENT MARKINGS AND MARKERS FOR FUTURE REFERENCE. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE DIRECTED BY THE ENGINEER.
3. THE RESIDENT ENGINEER SHALL CONTACT IDOT EXPRESSWAY FIELD ENGINEER AT 847-705-4153 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
4. STATIONS AND OFFSETS ARE FROM THE EXISTING I-290 ALIGNMENT.
5. PROPOSED RUMBLE STRIPS SHALL BE PLACED AFTER FINAL MOT STAGING AND FINAL SHOULDER CONSTRUCTION. RUMBLE STRIPS SHALL BE PLACED IN ACCORDANCE WITH STANDARD 642001-02.



LEGEND

PAVEMENT MARKING TYPE

- A - 4" WHITE EDGE LINE
- B - 4" YELLOW EDGE LINE
- C - 5" WHITE (10' DASH, 30' SKIP)
- D - 12" (WHITE @ 45°, 500' SPACING) (TYP)
- E - 12" (YELLOW @ 45°, 500' SPACING) (TYP)

PAVEMENT MARKING MATERIAL

- ◁ ▷ RAISED REFLECTIVE PAVEMENT MARKER (2 @ 80')
- ◻ MODIFIED URETHANE PAVEMENT MARKING (TO BE PLACED ON HMA & PCC)
- △ PREFORMED PLASTIC PAVEMENT MARKING - GROOVED IN PLACE (TO BE PLACED ON HMA ONLY)
- CONTRAST PREFORMED PLASTIC PAVEMENT MARKING - GROOVED IN PLACE (TO BE PLACED ON PCC ONLY)

LANDSCAPING LEGEND

- ◻ SEEDING, CLASS 2A
- ◻ INTERSEEDING, CLASS 4 (MODIFIED)
- ◻ INTERSEEDING, CLASS 5 (MODIFIED)
- ◻ INTERSEEDING, CLASS 4A (MODIFIED)
- ◻ INTERSEEDING, CLASS 5A (MODIFIED)
- ◻ SEEDING, CLASS 4A (MODIFIED)
- ◻ SEEDING, CLASS 5A (MODIFIED)
- ◻ SEEDING, CLASS 4B (MODIFIED)
- ⊕ PROPOSED SHADE TREE
- ◻ WETLAND
- ◻ WATERS OF THE U.S.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND LANDSCAPE PLAN

SCALE: 1"=50' SHEET 7 OF 9 SHEETS STA. 1119+00 TO STA. 1134+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	117
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

FILE NAME = T:\168474\Civil\Cadd\CADD_Sheets\0162C24-shr-rmk01.dgn



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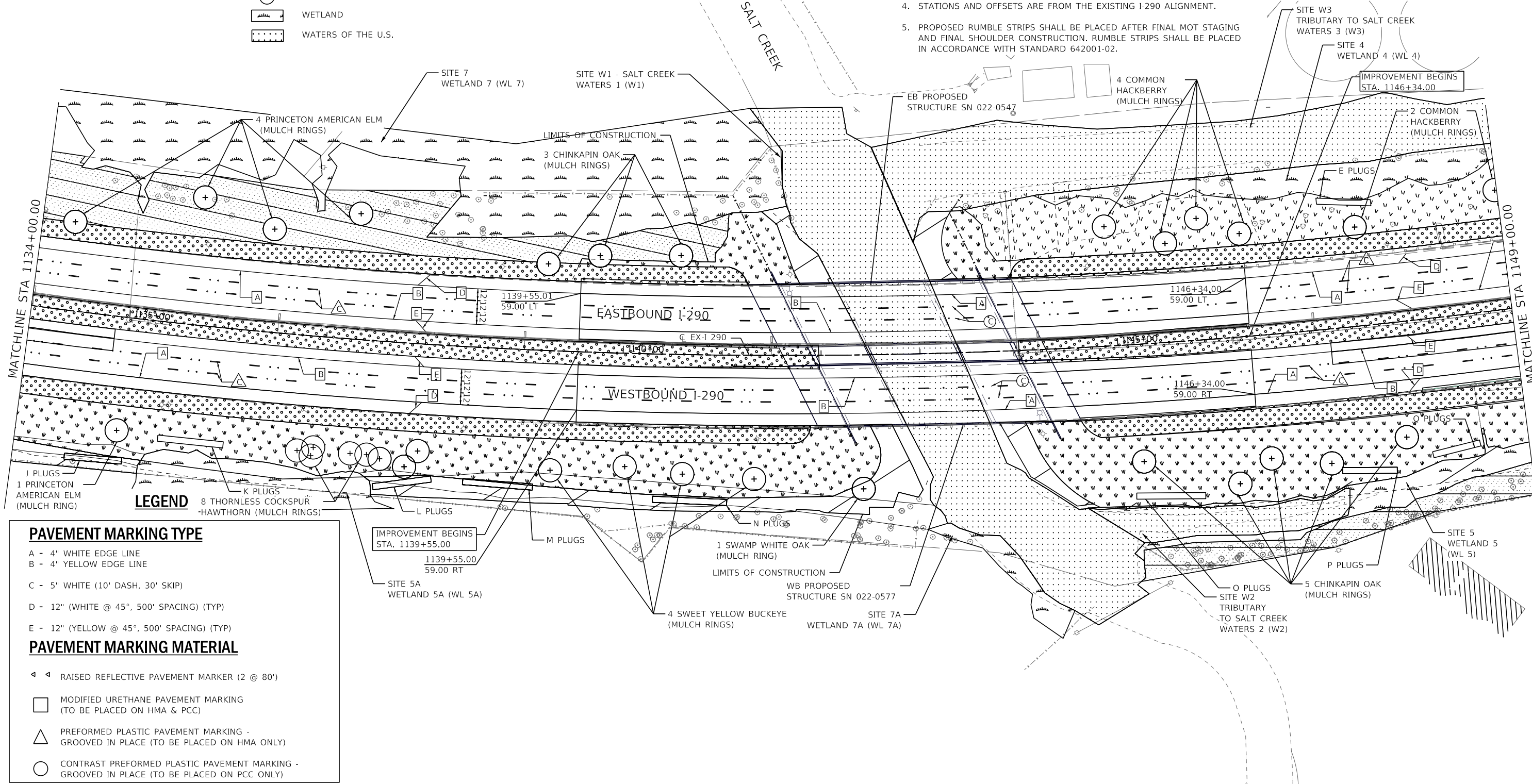
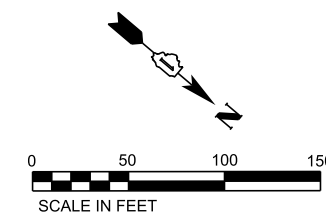
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PLOT SCALE = 50:1	DRAWN - KSD	REVISED -
PLOT DATE = 2/15/2018	CHECKED - RPH	REVISED -
	DATE - 02/21/2018	REVISED -

LANDSCAPING LEGEND

- SEEDING, CLASS 2A
- INTERSEEDING, CLASS 4 (MODIFIED)
INTERSEEDING, CLASS 5 (MODIFIED)
- INTERSEEDING, CLASS 4A (MODIFIED)
INTERSEEDING, CLASS 5A (MODIFIED)
- SEEDING, CLASS 4A (MODIFIED)
SEEDING, CLASS 5A (MODIFIED)
- SEEDING, CLASS 4B (MODIFIED)
- PROPOSED SHADE TREE
- WETLAND
- WATERS OF THE U.S.

PAVEMENT MARKING NOTES

1. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE OF THE IMPROVEMENT LIMITS SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
2. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RECORD AND RETAIN ALL EXISTING PAVEMENT MARKINGS AND MARKERS FOR FUTURE REFERENCE. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE DIRECTED BY THE ENGINEER.
3. THE RESIDENT ENGINEER SHALL CONTACT IDOT EXPRESSWAY FIELD ENGINEER AT 847-705-4153 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
4. STATIONS AND OFFSETS ARE FROM THE EXISTING I-290 ALIGNMENT.
5. PROPOSED RUMBLE STRIPS SHALL BE PLACED AFTER FINAL MOT STAGING AND FINAL SHOULDER CONSTRUCTION. RUMBLE STRIPS SHALL BE PLACED IN ACCORDANCE WITH STANDARD 642001-02.



LEGEND

PAVEMENT MARKING TYPE

- A - 4" WHITE EDGE LINE
- B - 4" YELLOW EDGE LINE
- C - 5" WHITE (10' DASH, 30' SKIP)
- D - 12" (WHITE @ 45°, 500' SPACING) (TYP)
- E - 12" (YELLOW @ 45°, 500' SPACING) (TYP)

PAVEMENT MARKING MATERIAL

- RAISED REFLECTIVE PAVEMENT MARKER (2 @ 80')
- MODIFIED URETHANE PAVEMENT MARKING (TO BE PLACED ON HMA & PCC)
- PREFORMED PLASTIC PAVEMENT MARKING - GROOVED IN PLACE (TO BE PLACED ON HMA ONLY)
- CONTRAST PREFORMED PLASTIC PAVEMENT MARKING - GROOVED IN PLACE (TO BE PLACED ON PCC ONLY)

- J PLUGS
1 PRINCETON AMERICAN ELM (MULCH RING)
- K PLUGS
8 THORNLESS COCKSPUR HAWTHORN (MULCH RINGS)
- L PLUGS
- M PLUGS
- N PLUGS
1 SWAMP WHITE OAK (MULCH RING)
- O PLUGS
5 CHINKAPIN OAK (MULCH RINGS)
- P PLUGS

IMPROVEMENT BEGINS STA. 1139+55.00
59.00 RT

SITE 5A WETLAND 5A (WL 5A)

1 SWAMP WHITE OAK (MULCH RING)

LIMITS OF CONSTRUCTION

4 SWEET YELLOW BUCKEYE (MULCH RINGS)

WB PROPOSED STRUCTURE SN 022-0577

SITE 7A WETLAND 7A (WL 7A)

SITE W2 TRIBUTARY TO SALT CREEK WATERS 2 (W2)

5 CHINKAPIN OAK (MULCH RINGS)

SITE 5 WETLAND 5 (WL 5)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND LANDSCAPE PLAN

SCALE: 1"=50' SHEET 8 OF 9 SHEETS STA. 1134+00 TO STA. 1149+00

F.A. RTE. I-290	SECTION 22-1B-11B	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 118
CONTRACT NO. 62C24			ILLINOIS FED. AID PROJECT	

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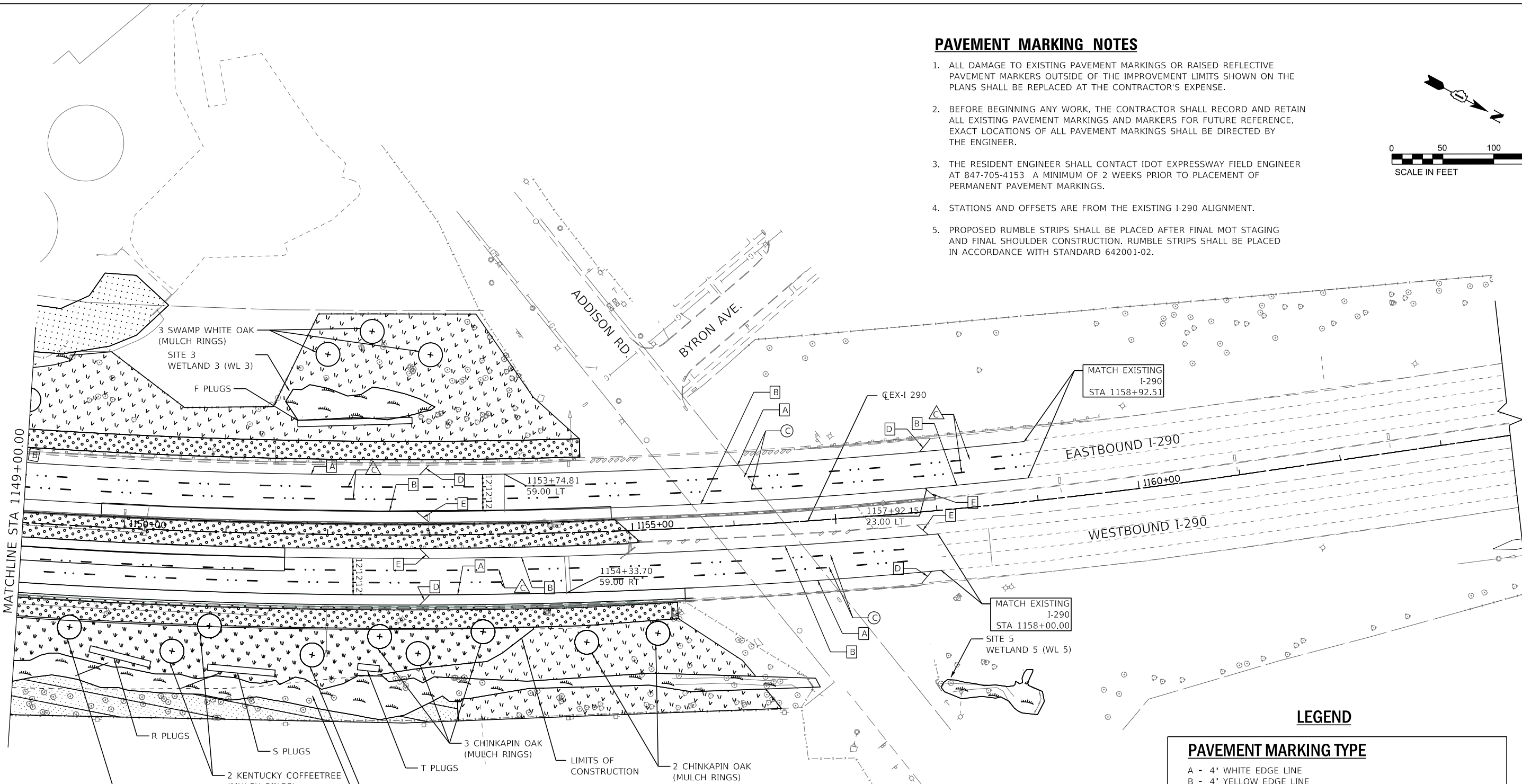
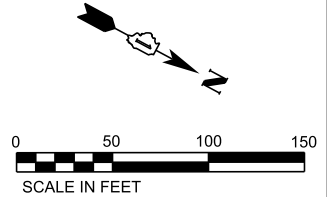


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USER NAME = wallenmeyeram	DESIGNED - KSD	REVISED -
PLOT SCALE = 50:1	DRAWN - KSD	REVISED -
PLOT DATE = 2/15/2018	CHECKED - RPH	REVISED -
	DATE - 02/21/2018	REVISED -

PAVEMENT MARKING NOTES

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5. PROPOSED RUMBLE STRIPS SHALL BE PLACED AFTER FINAL MOT STAGING AND FINAL SHOULDER CONSTRUCTION. RUMBLE STRIPS SHALL BE PLACED IN ACCORDANCE WITH STANDARD 642001-02.



LEGEND

PAVEMENT MARKING TYPE	
A	4" WHITE EDGE LINE
B	4" YELLOW EDGE LINE
C	5" WHITE (10' DASH, 30' SKIP)
D	12" (WHITE @ 45°, 500' SPACING) (TYP)
E	12" (YELLOW @ 45°, 500' SPACING) (TYP)
PAVEMENT MARKING MATERIAL	
◁ ◁	RAISED REFLECTIVE PAVEMENT MARKER (2 @ 80')
◻	MODIFIED URETHANE PAVEMENT MARKING (TO BE PLACED ON HMA & PCC)
△	PREFORMED PLASTIC PAVEMENT MARKING - GROOVED IN PLACE (TO BE PLACED ON HMA ONLY)
○	CONTRAST PREFORMED PLASTIC PAVEMENT MARKING - GROOVED IN PLACE (TO BE PLACED ON PCC ONLY)

LANDSCAPING LEGEND

◻ (dotted)	SEEDING, CLASS 2A
◻ (diagonal lines)	INTERSEEDING, CLASS 4 (MODIFIED) INTERSEEDING, CLASS 5 (MODIFIED)
◻ (vertical lines)	INTERSEEDING, CLASS 4A (MODIFIED) INTERSEEDING, CLASS 5A (MODIFIED)
◻ (horizontal lines)	SEEDING, CLASS 4A (MODIFIED) SEEDING, CLASS 5A (MODIFIED)
◻ (diagonal lines)	SEEDING, CLASS 4B (MODIFIED)
⊕	PROPOSED SHADE TREE
◻ (wavy lines)	WETLAND
◻ (dotted)	WATERS OF THE U.S.

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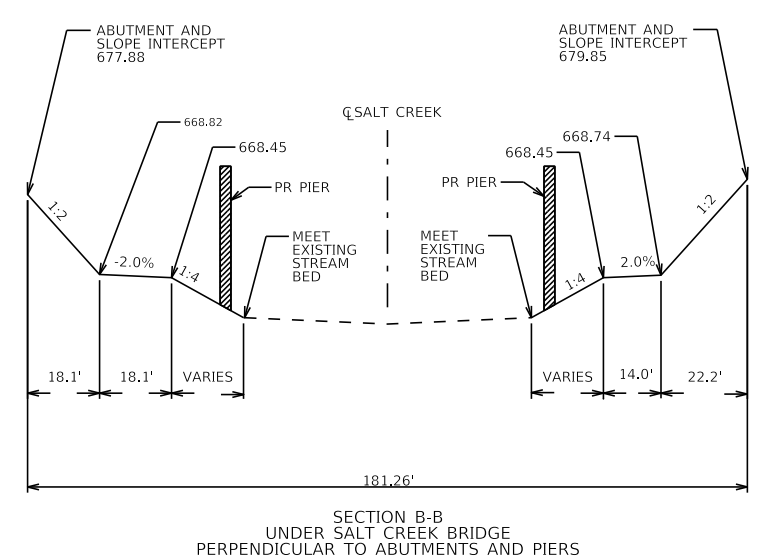
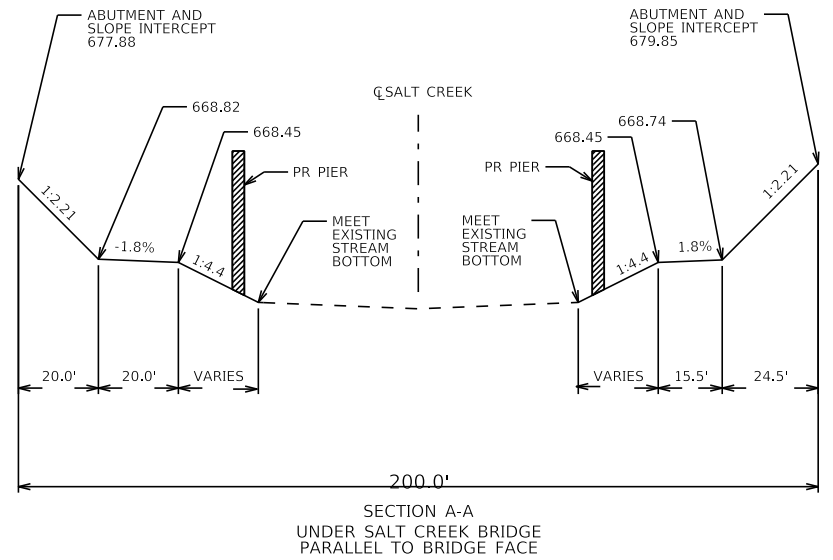
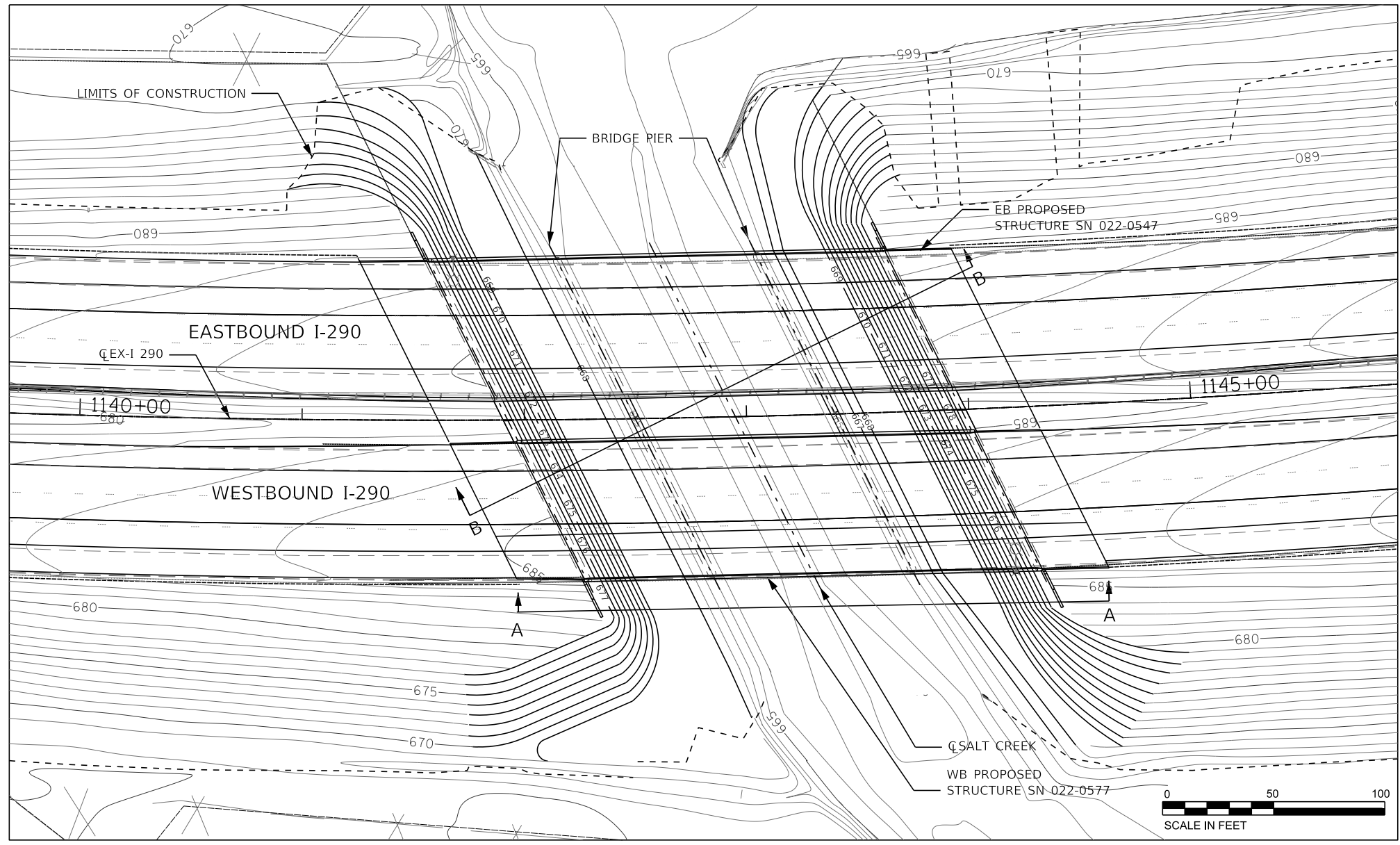


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PLOT SCALE = 50:1	DRAWN - KSD	REVISED -
PLOT DATE = 2/15/2018	CHECKED - RPH	REVISED -
	DATE - 02/21/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND LANDSCAPE PLAN
SCALE: 1"=50' SHEET 9 OF 9 SHEETS STA. 1149+00 TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 290	(22-1B-1)B	DUPAGE	402	119
CONTRACT NO. 62C24			ILLINOIS FED. AID PROJECT	



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	DATE - 01/25/2018	REVISED - \$DATER4\$










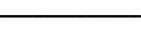
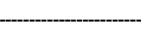
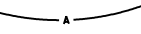
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

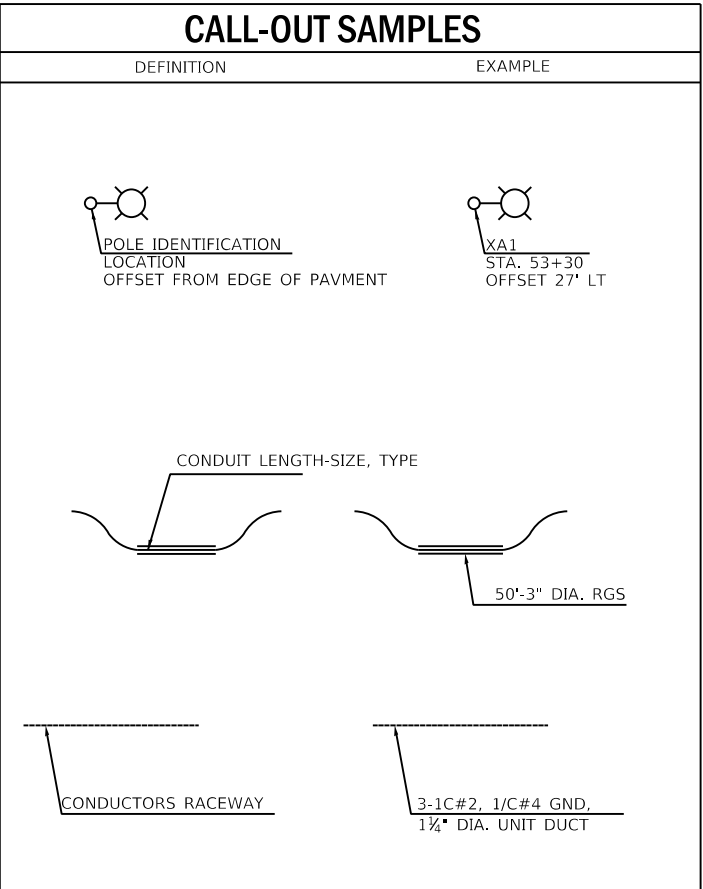
SALT CREEK BRIDGE GRADING PLANS

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	120
CONTRACT NO. 62C24			ILLINOIS FED. AID PROJECT	

LEGEND

-  EXISTING LIGHTING UNIT TO REMAIN IN PLACE
-  EXISTING LIGHT POLE RE-INSTALLED, 47.5' MH, 15' MA, WITH NEW 400W HPS LUMINAIRE
-  TEMPORARY LIGHT POLE, 75' MH, 15' MA., 750W HPS LUMINAIRE
-  EXISTING LIGHTING UNIT TO BE REMOVED AND RELOCATED. THE LUMINAIRE SHALL BE SALVAGED BACK TO IDOT.
-  EXISTING LIGHTING CONTROLLER
-  EXISTING ELECTRIC SERVICE INSTALLATION
-  TEMPORARY WOOD POLE 90', CLASS 4
-  EXISTING LIGHTING CABLES IN UNDERGROUND DUCT TO REMAIN IN PLACE
-  EXISTING LIGHTING CABLES CONTINUE TO ADJACENT LIGHTING UNIT
-  UNDERGROUND CONDUITS SIZE AS INDICATED WITH CABLES AS APPLICABLE
-  UNIT DUCT, 600V, 3-1/C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE
-  TEMPORARY AERIAL CABLE, 3-1/C #2, ALUMINUM, WITH MESSENGER WIRE



ABBREVIATIONS

SYMBOL	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
AFG	ABOVE FINISHED GRADE
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
CNC	COILABLE NONMETALLIC CONDUIT
CT	CURRENT TRANSFORMER
CP	CONTROL PANEL
DA	DAVIT ARM
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING UNIT TO REMAIN
ECA	ELECTRIC CABLE ASSEMBLY
EM	EXISTING TEMPORARY RELOCATED UNIT
ER	EXISTING RELOCATED UNIT
ET	EXISTING TEMPORARY UNIT TO REMAIN
ETR	EXISTING TEMPORARY RELOCATED UNIT
FT	FEET OR FOOT
FND BW	FOUNDATION BARRIER WALL
FND BW OS	FOUNDATION BARRIER WALL OFFSET
FND CON	FOUNDATION CONCRETE
FND CON OS	FOUNDATION CONCRETE OFFSET
FND MET	FOUNDATION METAL
FND PW	FOUNDATION PARAPET WALL
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
LT	LEFT
MA	MAST ARM
MM	MILLIMETER
MH	MOUNTING HEIGHT
NO. #	NUMBER
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PVCC RGC	PVC COATED RIGID GALVANIZED CONDUIT
PT	POTENTIAL TRANSFORMER
R	EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.)
RT	RIGHT
RECP	RECEPTACLE
RGC	RIGID GALVANIZED CONDUIT
RGS	RIGID GALVANIZED STEEL
SEL SW	SELECTOR SWITCH
SPARE	SPARE
SPACE	SPACE
SS	STAINLESS STEEL
STA	STATION
T	TEMPORARY LIGHTING UNIT
TB	TRANSFORMER BASE
TMP	TEMPORARY
TR	TEMPORARY UNIT TO BE REMOVED. SALVAGE EQUIPMENT AS SPECIFIED
TRR	TEMPORARY UNIT TO BE REMOVED AND RELOCATED
TUR	TEMPORARY UNIT ON UTILITY POLE TO BE REMOVED
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
WP	WOOD POLE
XFMR	TRANSFORMER

GENERAL NOTES:

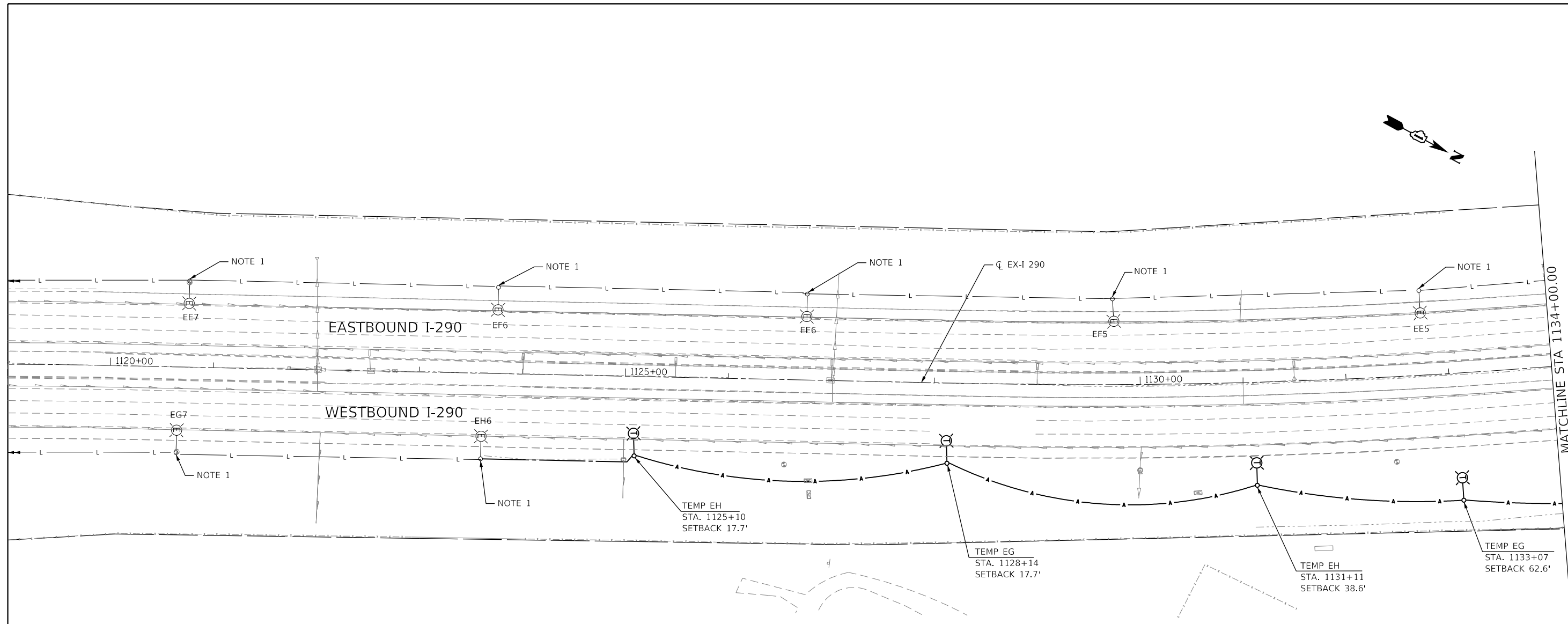
1. THE CONTRACTOR SHALL VERIFY ALL OF THE INFORMATION SHOWN ON THE CONTRACT DRAWINGS, WHICH WOULD AFFECT THE WORK UNDER THIS CONTRACT.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT, SPECIFICALLY AS THEY RELATE TO LUMP SUM ITEMS AND UNIT PRICE ITEMS.
3. ALL NEW CONDUITS, UNIT DUCTS, DIRECT BURIAL CABLES, AND APPURTENANCES ARE INDICATED DIAGRAMMATICALLY ON THE DRAWINGS. THE ACTUAL LOCATIONS IN THE FIELD SHALL MEET WITH APPROVAL OF THE ENGINEER.
4. THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND ASSOCIATED SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS (LATEST EDITION).
5. THE SCALE SHOWN ON PLAN DRAWINGS APPLIES ONLY TO THE FULL SIZE PLANS AND NOT TO REDUCED SIZE PLANS.
6. THE CONTRACTOR SHALL FURNISH AND INSTALL LUMINAIRES IN ACCORDANCE WITH THE SUPPLIER'S RECOMMENDATIONS AND IN ACCORDANCE WITH THE SPECIFICATIONS. THE COST OF THIS WORK, AND MATERIAL SHALL BE INCLUDED IN THE APPLICABLE LUMINAIRE PAY ITEM. SEPARATE PAYMENT WILL NOT BE MADE. NO LIGHT POLES SHALL BE INSTALLED WITHOUT LUMINAIRES.
7. ALL LUMINAIRES SHALL BE ORIENTED WITH THE OPTICS PERPENDICULAR TO THE ROADWAY UNLESS OTHERWISE INDICATED OR DIRECTED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE APPLICABLE LUMINAIRE PAY ITEMS. SEPARATE PAYMENT WILL NOT BE MADE.
8. CONDUITS AND UNIT DUCTS SHALL BE INSTALLED AT A MINIMUM 30" DEPTH BELOW GRADE AND POSITIONED IN THE FIELD TO AVOID CONFLICT WITH ROADWAY UNDERDRAINS AND OTHER EXISTING AND PROPOSED UTILITIES. THE CONTRACTOR SHALL INCREASE DEPTH OF UNIT DUCT AND CONDUIT AS REQUIRED AT NO ADDITIONAL COST TO THE STATE. THE CONTRACTOR SHALL COORDINATE RACEWAY DEPTH WITH THE ELECTRICAL DETAILS AND THE ENGINEER.
9. WHERE THE CONTRACTOR'S EXCAVATION MEETS AN OBSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR DIRECTION IN WRITING PRIOR TO EXCAVATION. THE CONTRACTOR SHALL RESTORE ANY DAMAGE TO EXISTING SYSTEMS OR UTILITIES AND ITEM. REMOVE EXISTING OBSTRUCTIONS AND FOUNDATIONS TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE APPROPRIATE PAY ITEM.
10. THE COST OF THE GROUND ROD IS INCLUDED IN THE PRICE OF THE FOUNDATION AND NO EXTRA COMPENSATION SHALL BE MADE.
11. TEMPORARY LIGHT POLES SHALL BE REMOVED ONLY AFTER THE PROPOSED PERMANENT LIGHTING AND FIBER OPTIC EQUIPMENT AND CABLES ARE INSTALLED AND OPERATIONAL. THE TEMPORARY POLE REMOVAL AND ALL EQUIPMENT AND CABLES ATTACHED TO THE POLE SHALL BE INCLUDED AS PART OF THE TEMPORARY POLE PAY ITEM.
12. SETBACKS ARE MEASURED FROM THE EDGE OF THE EXISTING TRAVELED PAVEMENT FOR THE TEMPORARY LIGHT POLES. FOR THE PROPOSED LIGHT POLES SETBACKS ARE MEASURED FROM THE EDGE OF THE PROPOSED PAVEMENT.
13. MEADE ELECTRIC CO. DISTRICT ONE MAINTENANCE CONTRACTOR LOCATES IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES 773-287-7672.
14. THE LIGHT POLE RELOCATION PAY ITEM INCLUDES THE RELOCATION OF THE METAL FOUNDATION. A QUANTITY FOR NEW METAL FOUNDATIONS HAS BEEN INCLUDED TO BE USED AT THE ENGINEERS DISCRETION WHERE AN EXISTING METAL FOUNDATION IS DAMAGED OR CANNOT BE REMOVED INTACT.
15. FULL STOPS REQUIRED FOR INSTALLING AND REMOVING FIBER OPTIC CABLE OVER EXPRESSWAY. PLEASE REFER TO CONTRACT SPECIAL PROVISIONS FOR GUIDANCE AND REQUIREMENTS.

FILE NAME = K:\PROJECTS\Projects 2016\1-290 Over Salt Creek (PB)\CADD_Sheets\DI62C24-sh-Light-01 Notes.dgn

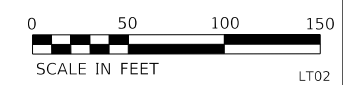
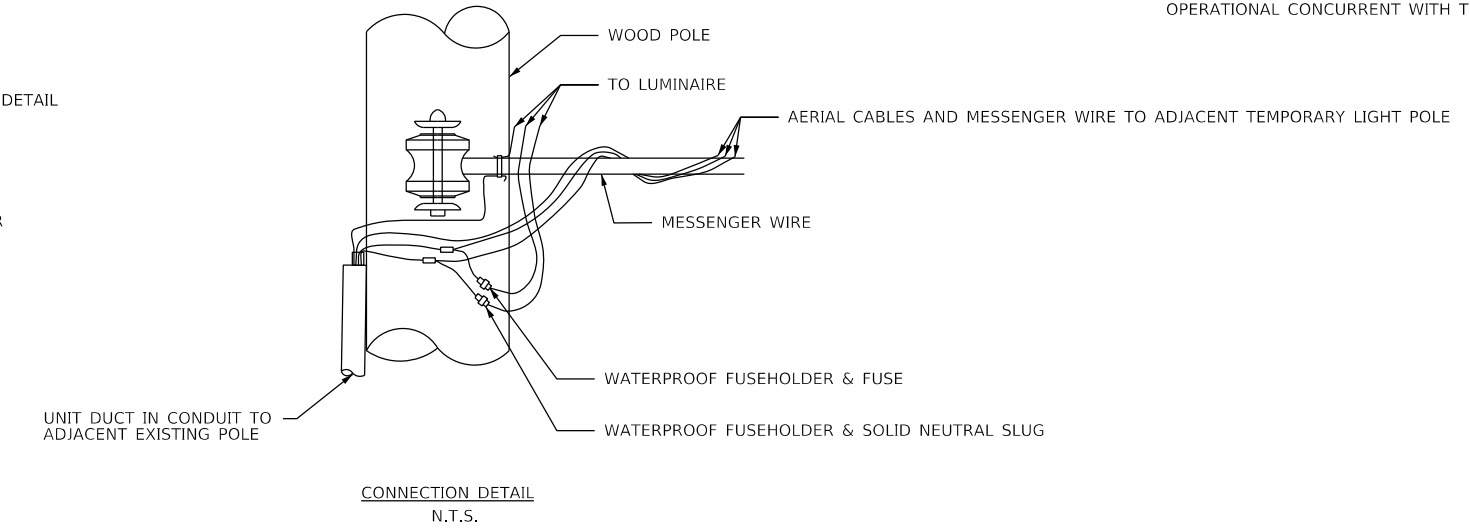
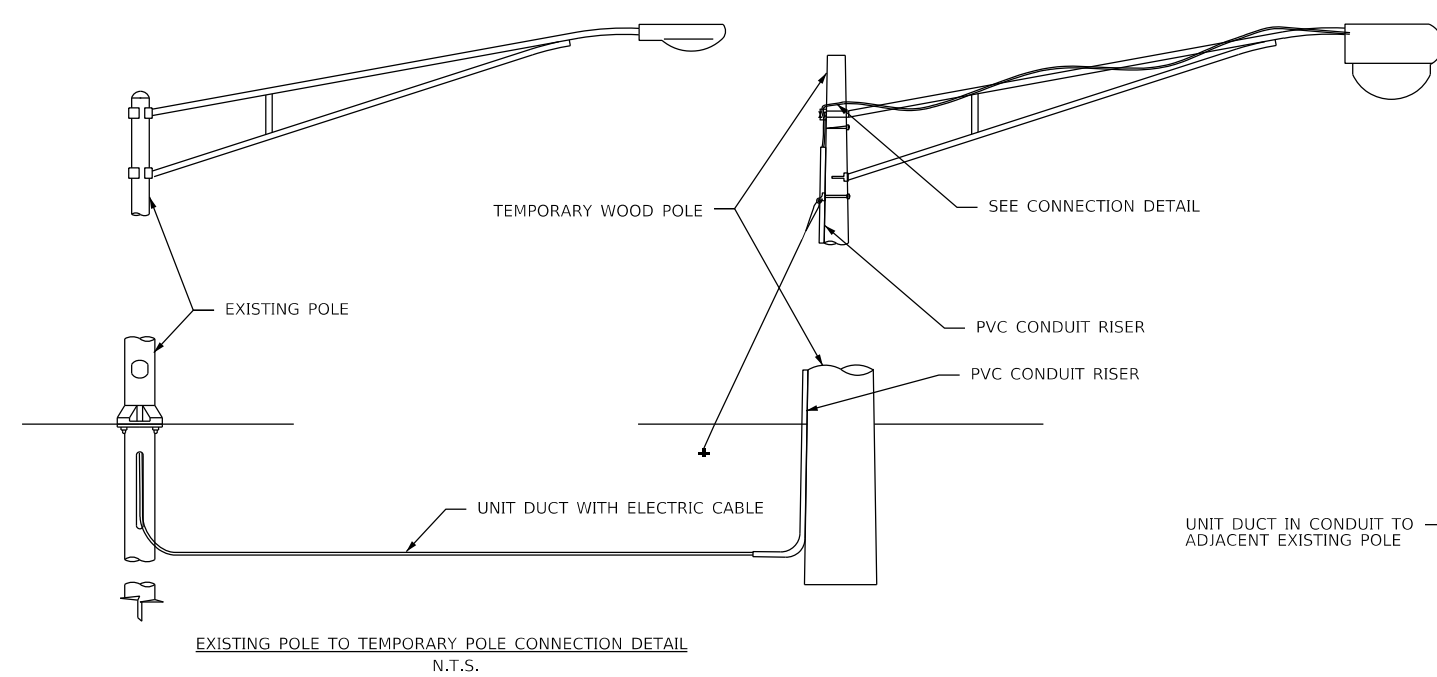
	GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLUMBERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL: 773-774-590	USER NAME = \$USER\$	DESIGNED - MAA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING GENERAL NOTES AND LEGEND			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		PLOT SCALE = 100.00' / 1" =	CHECKED - PV	REVISED -					290	(22-1B-1)B	DUPAGE	402	121
PLOT DATE = 3/9/2018		DATE - 3/6/2018	REVISED -	SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						

LT01

CONTRACT NO. 62C24



NOTE 1: EXISTING LIGHTING UNIT TO REMAIN IN PLACE AND OPERATIONAL CONCURRENT WITH TEMPORARY LIGHTING.



FILE NAME = K:\PROJECTS\Projects 2016\1-290 Over Salt Creek (PB)\CADD_Sheets\162264-shr-Light-02 Temp.dgn

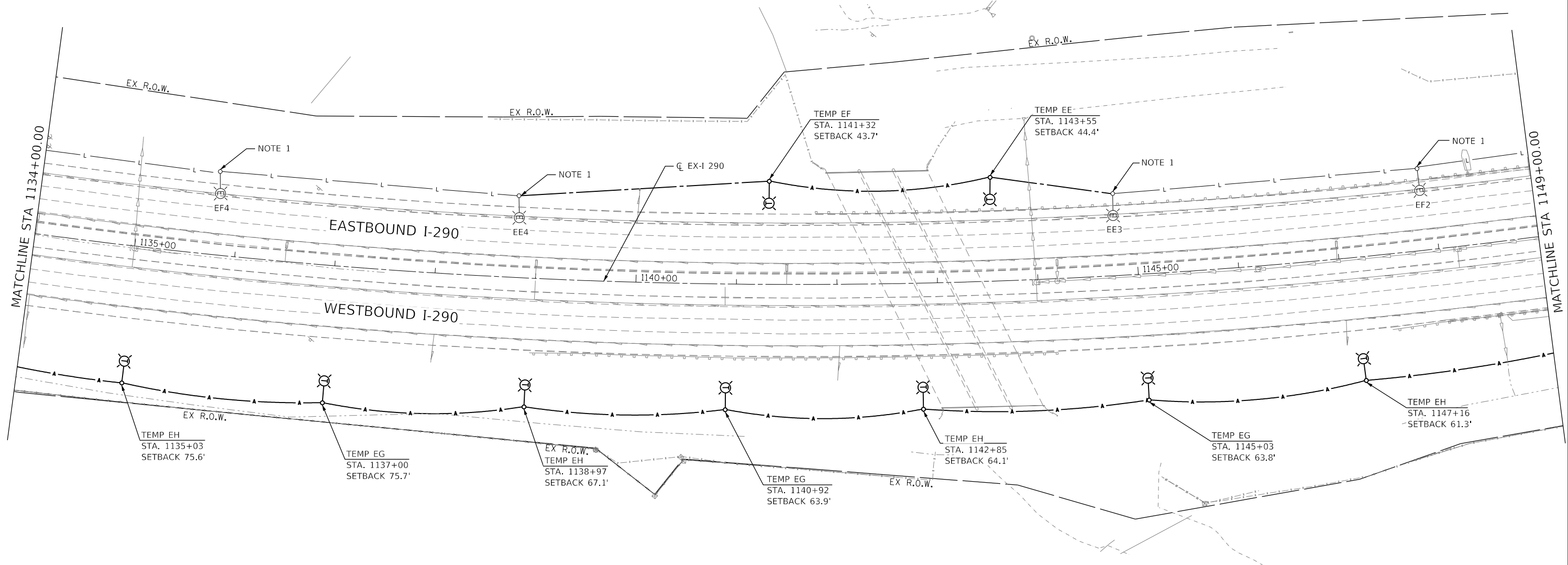
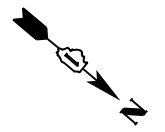
<p>GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 5035 N. NORTHWEST HIGHWAY SUITE 200 CHICAGO, ILLINOIS 60630 TEL: 773/774-590</p>	USER NAME = \$USER\$	DESIGNED - MAA	REVISED -
	PLOT SCALE = 100.0000' / 1" =	DRAWN - MAA	REVISED -
	PLOT DATE = 1/23/2018	CHECKED - PV	REVISED -
		DATE - 1/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

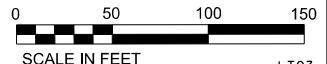
TEMPORARY LIGHTING PLANS

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 1119+00 TO STA. 1134+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	122
CONTRACT NO. 62C24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTE 1: EXISTING LIGHTING UNIT TO REMAIN IN PLACE AND OPERATIONAL CONCURRENT WITH TEMPORARY LIGHTING.



FILE NAME = K:\PROJECTS\Projects 2016\1-290 Over Salt Creek (PB)\CADD_Sheets\DI62C64-shr-Light-03 Temp.dgn

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ENGINEERS AND PLANNERS
5035 N. NORTHWEST HIGHWAY
SUITE 206
CHICAGO, ILLINOIS 60630 TEL: 773-774-590

USER NAME = \$USER\$
PLOT SCALE = 1/80.0000" = 1/16"
PLOT DATE = 1/23/2018

DESIGNED - MAA	REVISED -
DRAWN - MAA	REVISED -
CHECKED - PV	REVISED -
DATE - 1/25/2018	REVISED -

DESIGNED - MAA	REVISED -
DRAWN - MAA	REVISED -
CHECKED - PV	REVISED -
DATE - 1/25/2018	REVISED -

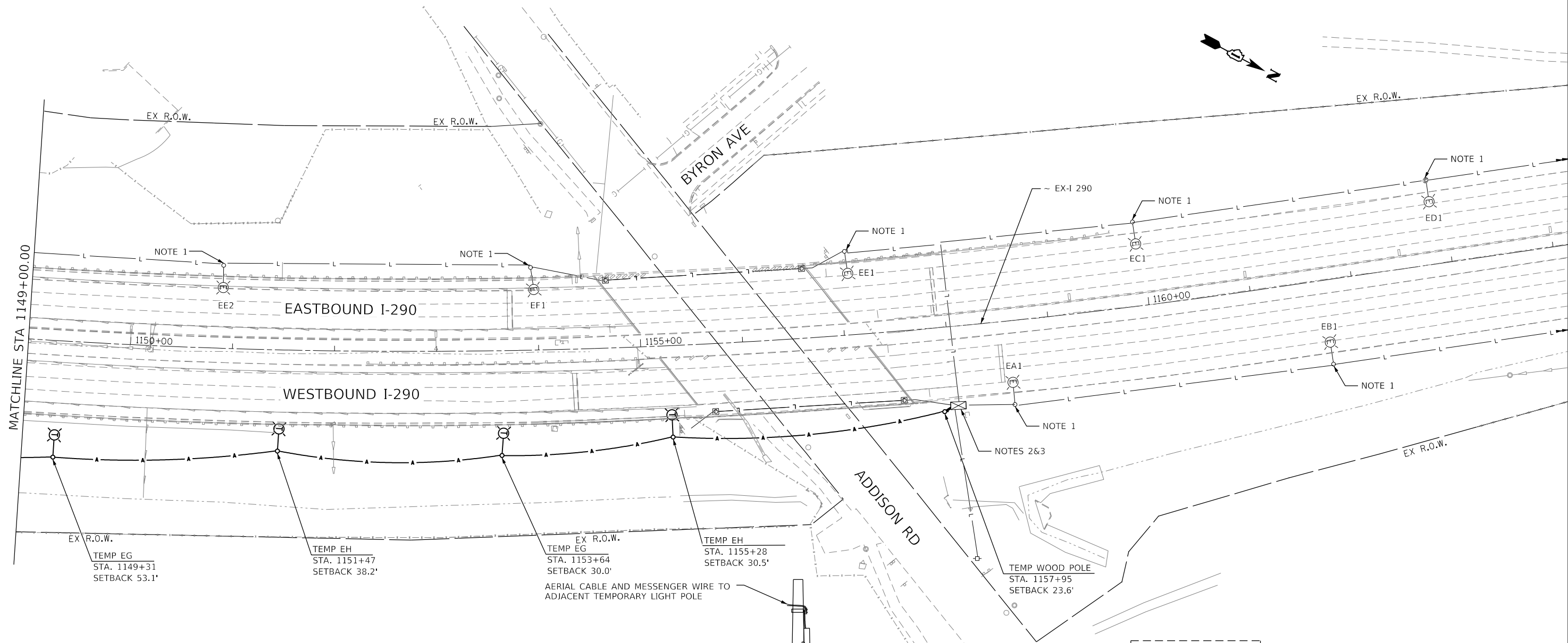
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY LIGHTING PLANS

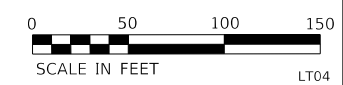
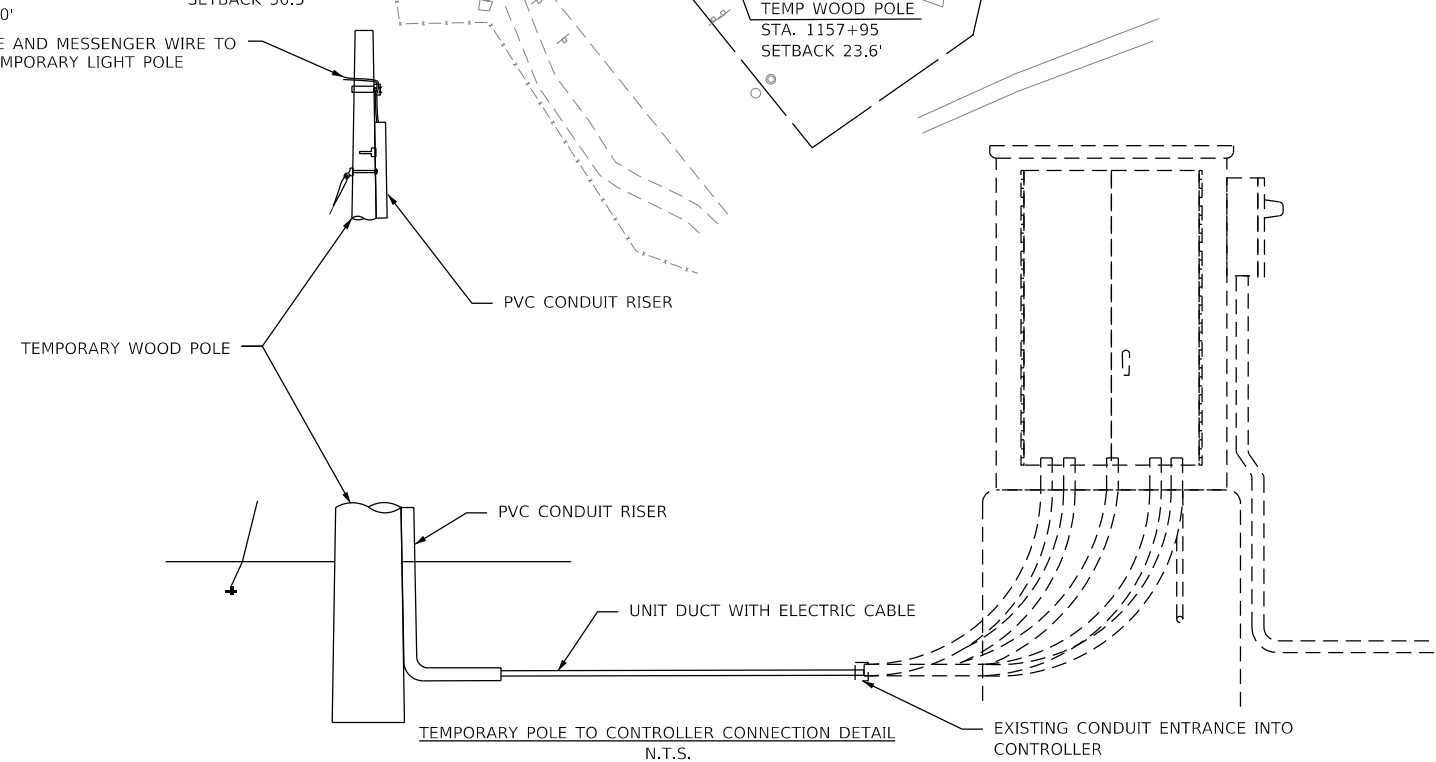
SCALE: 1"=50' SHEET NO. OF SHEETS STA. 1134+00 TO STA. 1149+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	123
CONTRACT NO. 62C24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LT03



- NOTE 1: EXISTING LIGHTING UNIT TO REMAIN IN PLACE AND OPERATIONAL CONCURRENT WITH TEMPORARY LIGHTING.
- NOTE 2: RUN UNIT DUCT UNDERGROUND TO CONNECT THE EXISTING CIRCUIT TO THE ADJACENT TEMPORARY WOOD POLE.
- NOTE 3: EXISTING LIGHTING CONTROLLER "E" TO REMAIN AND POWER THE TEMPORARY LIGHT POLES. THE CONTRACTOR SHALL AVOID DISRUPTION TO THE EXISTING LIGHTING SYSTEM OPERATION.



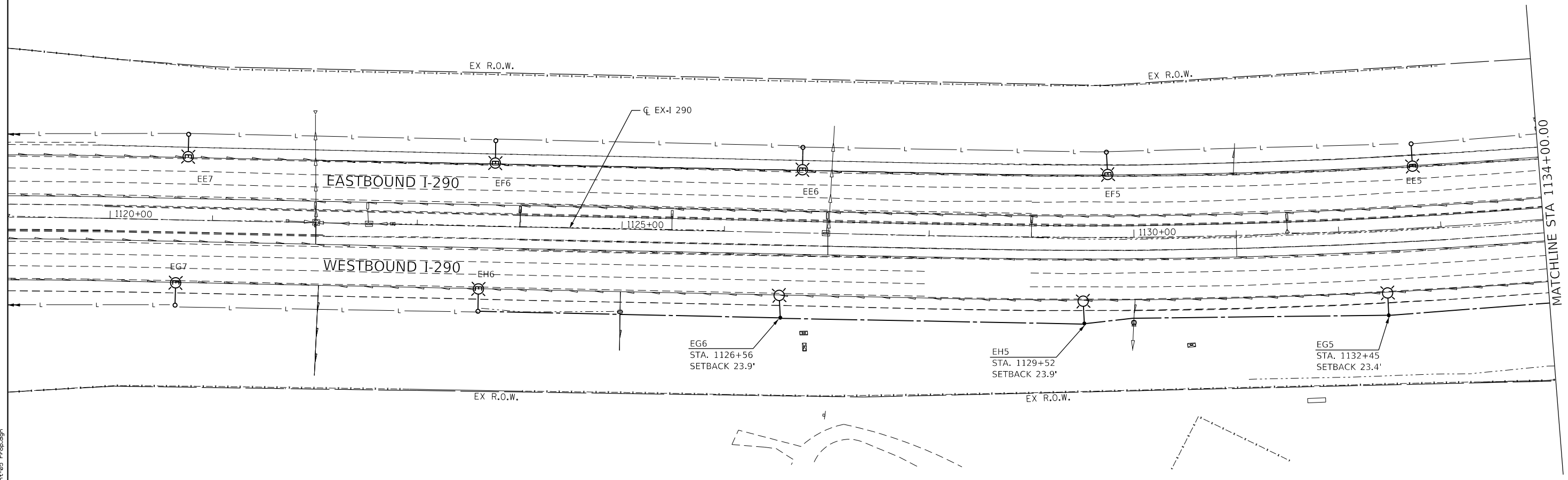
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	PLOT DATE = 1/23/2018	DATE - 1/25/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING PLANS			
SCALE: 1"=50'	SHEET NO.	OF SHEETS	STA. 1149+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	124
CONTRACT NO. 62C24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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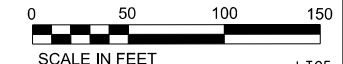

GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 5035 N. NORTHWEST HIGHWAY
 SUITE 206
 CHICAGO, ILLINOIS 60630 TEL: 773.774.590

USER NAME = \$USER\$	DESIGNED - MAA	REVISED -
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PLOT SCALE = 100.0000' / 1"	CHECKED - PV	REVISED -
PLOT DATE = 1/23/2018	DATE - 1/25/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

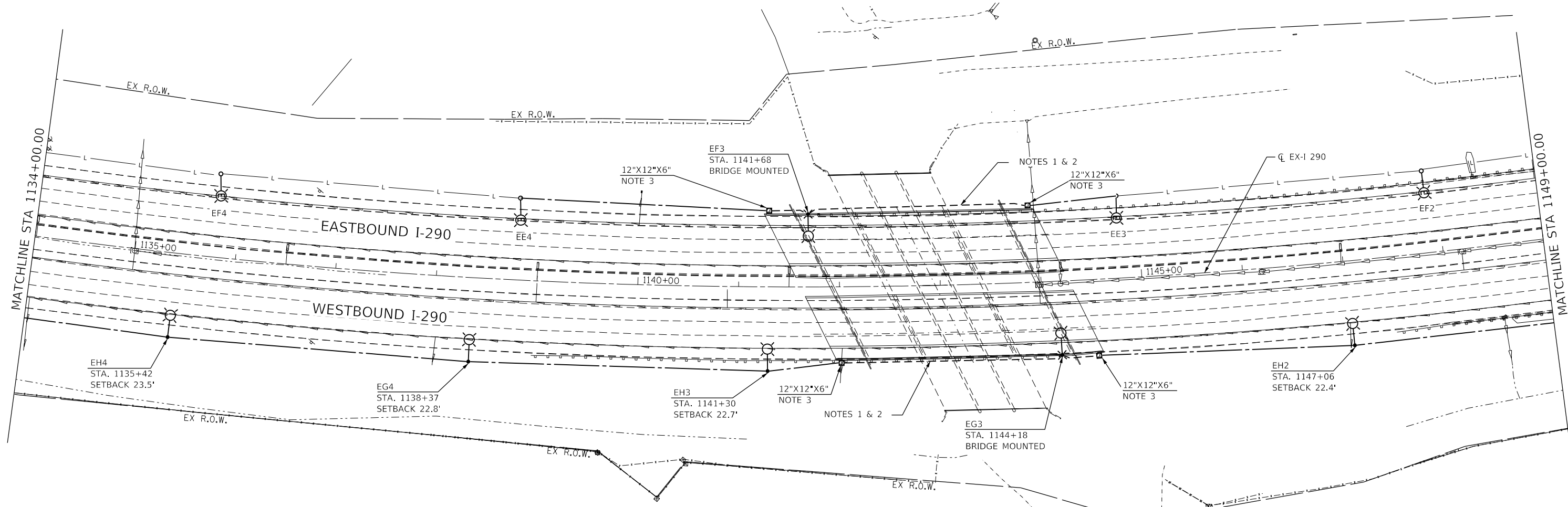
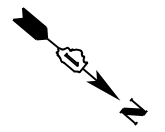
PROPOSED LIGHTING PLANS

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 1119+00 TO STA. 1134+00

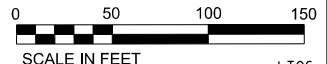


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	125
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

LT05



- NOTE 1: INSTALL ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2 AND 1/C NO. 4. GROUND.
- NOTE 2: INSTALL 2" PVC CONDUIT EMBEDDED IN STRUCTURE.
- NOTE 3: INSTALL JUNCTION BOX ATTACHED TO STRUCTURE. BOX SHALL BE INSTALLED 5" FROM THE EDGE OF STRUCTURE.



FILE NAME = K:\PROJECTS\Projects 2016\I-290 Over Salt Creek (PB)\CADD_Sheets\162264-sh-Light-06 Prop.dgn



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	DRAWN - MAA	REVISED -
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PLOT DATE = 1/23/2018	DATE - 1/25/2018	REVISED -

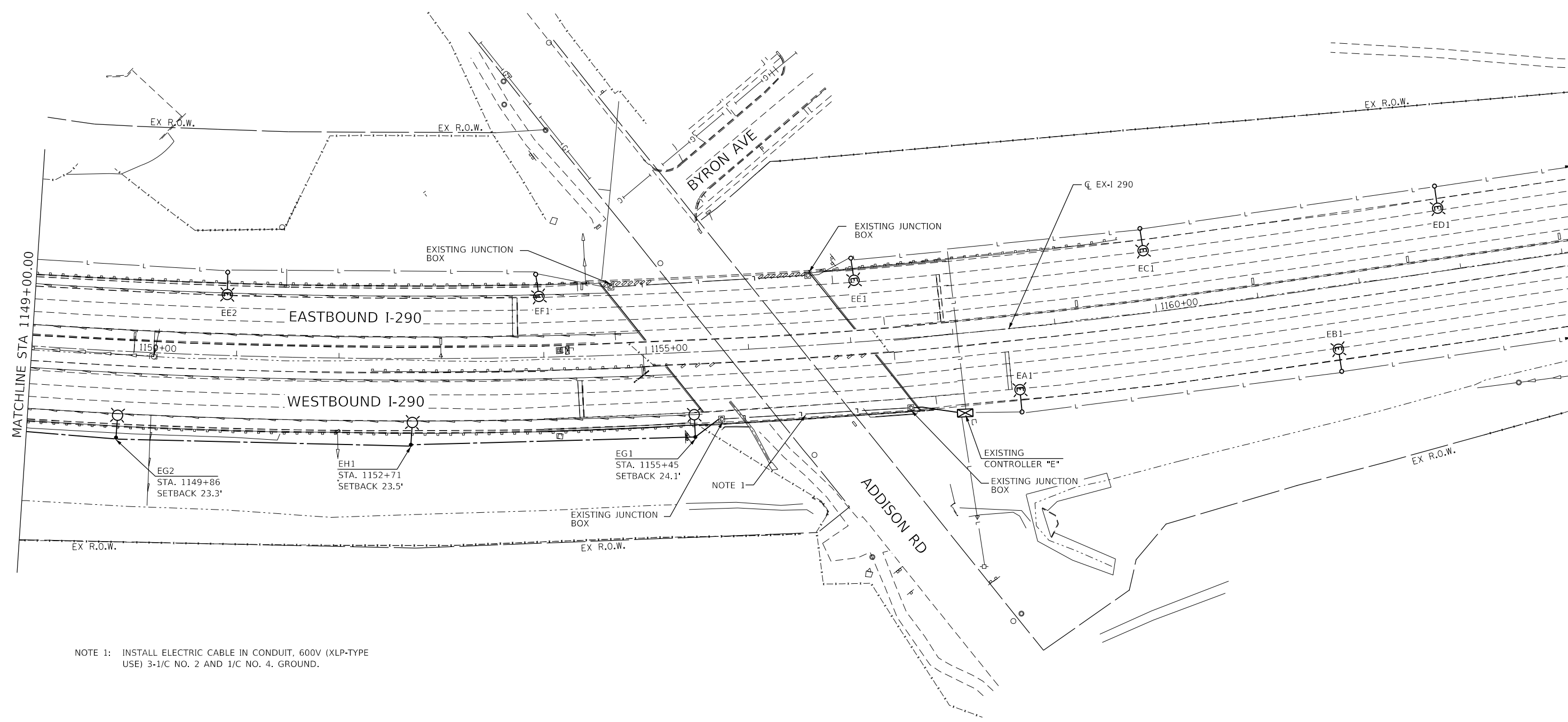
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLANS

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 1134+00 TO STA. 1149+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	126
CONTRACT NO. 62C24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LT06



NOTE 1: INSTALL ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2 AND 1/C NO. 4. GROUND.



FILE NAME = K:\PROJECTS\Projects 2016\I-290 Over Salt Creek (PB)\CADD_Sheets\162C24-sh-1-light-07 Prop.dgn



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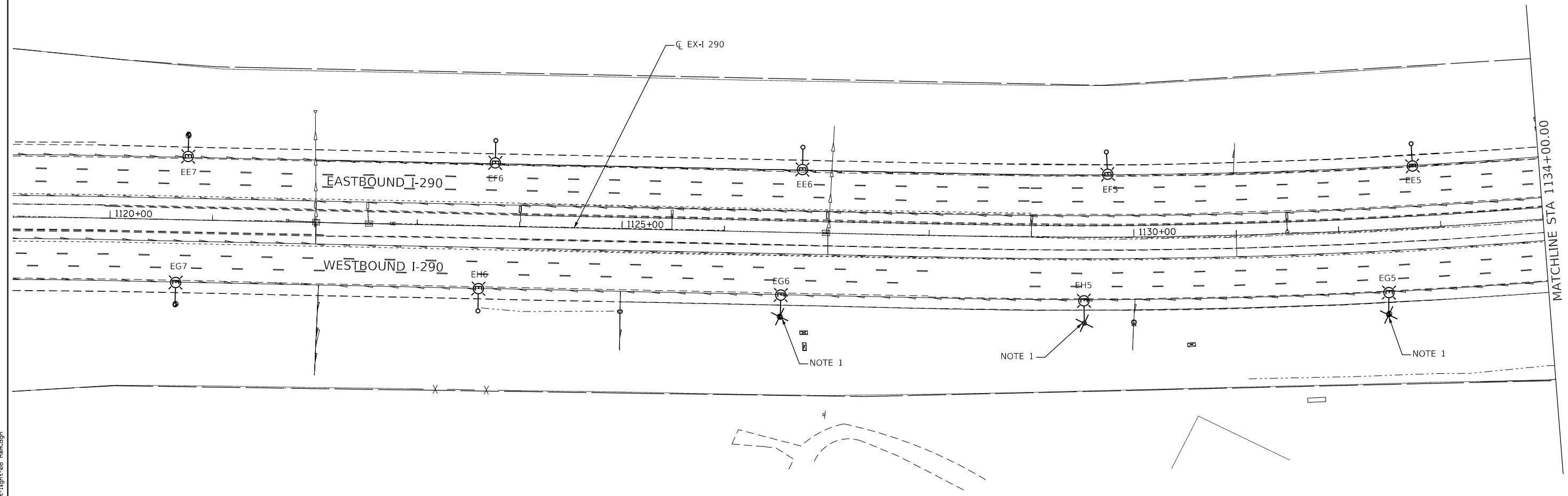
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLANS

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 1149+00 TO STA.

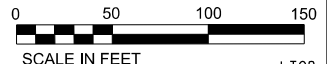
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	127
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

LT07



NOTE 1:

1. THE EXISTING LIGHTING UNITS SHALL BE REMOVED AND STORED ONCE TEMPORARY LIGHTING IS OPERATIONAL. EXISTING LUMINAIRES SHALL BE REMOVED AND RETURNED TO IDOT PER ARTICLE 842.03(B) OF THE STANDARD SPECIFICATIONS. THIS WORK INCLUDING REMOVAL, STORAGE, AND SALVAGE OF THE EXISTING LUMINAIRES SHALL BE INCLUDED IN FULL AS PART OF RELOCATE EXISTING LIGHTING UNIT (84400105).



FILE NAME = K:\PROJECTS\Projects 2016\I-290 Over Salt Creek (PB)\CADD\Sheets\DI62C64-sh-Light-08 Rem.dgn

GA GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
5035 N. NORTHWEST HIGHWAY
SUITE 206
CHICAGO, ILLINOIS 60630 TEL: 773/774-5900

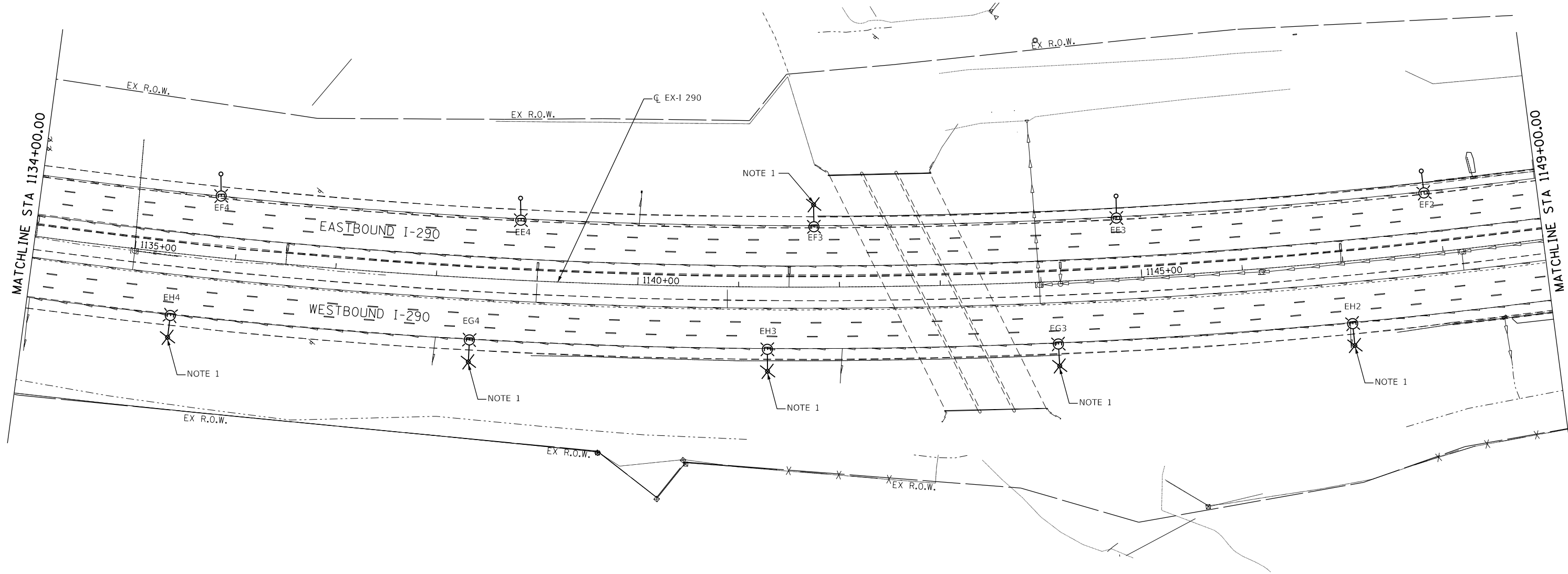
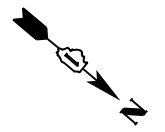
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PLOT SCALE = 100.0000' / 1" =	CHECKED - PV	REVISED -
PLOT DATE = 3/9/2018	DATE - 3/6/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING REMOVAL PLANS

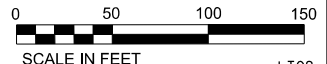
SCALE: 1"=50' SHEET NO. OF SHEETS STA. 1119+00 TO STA. 1134+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	128
CONTRACT NO. 62C24			L T08	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTE 1:

1. THE EXISTING LIGHTING UNITS SHALL BE REMOVED AND STORED ONCE TEMPORARY LIGHTING IS OPERATIONAL. EXISTING LUMINAIRES SHALL BE REMOVED AND RETURNED TO IDOT PER ARTICLE 842.03(B) OF THE STANDARD SPECIFICATIONS. THIS WORK INCLUDING REMOVAL, STORAGE, AND SALVAGE OF THE EXISTING LUMINAIRES SHALL BE INCLUDED IN FULL AS PART OF RELOCATE EXISTING LIGHTING UNIT (84400105).



FILE NAME = K:\PROJECTS\Projects 2016\I-290 Over Salt Creek (PB)\CADD\Sheets\162264-shr-Light-09 Rem.dgn



GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 5035 N. NORTHWEST HIGHWAY
 SUITE 200
 CHICAGO, ILLINOIS 60630 TEL: 773-774-590

USER NAME = \$USER\$	DESIGNED - MAA	REVISED -
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PLOT DATE = 3/9/2018	DATE - 3/6/2018	REVISED -

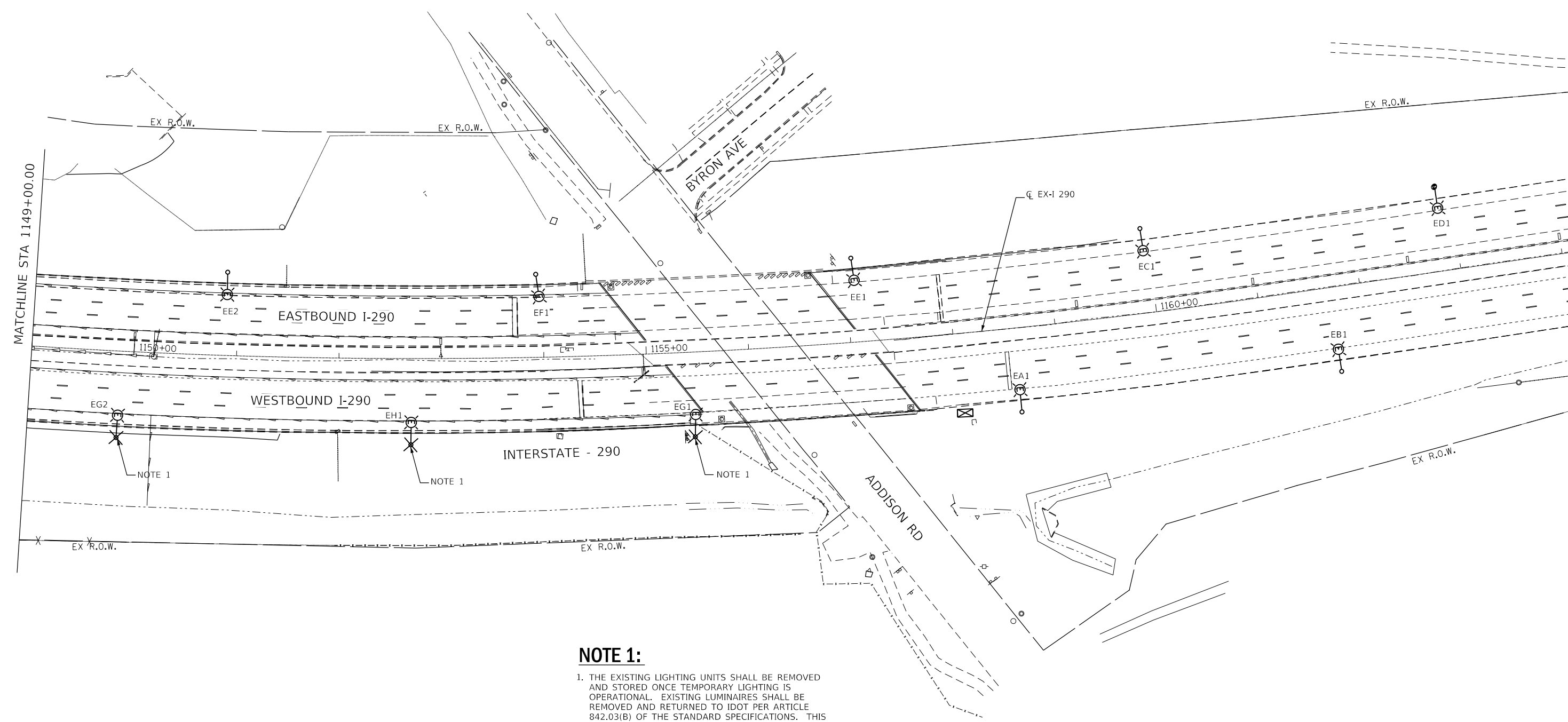
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLANS

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 1134+00 TO STA. 1149+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	129
CONTRACT NO. 62C24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LT09



NOTE 1:
 1. THE EXISTING LIGHTING UNITS SHALL BE REMOVED AND STORED ONCE TEMPORARY LIGHTING IS OPERATIONAL. EXISTING LUMINAIRES SHALL BE REMOVED AND RETURNED TO IDOT PER ARTICLE 842.03(B) OF THE STANDARD SPECIFICATIONS. THIS WORK INCLUDING REMOVAL, STORAGE, AND SALVAGE OF THE EXISTING LUMINAIRES SHALL BE INCLUDED IN FULL AS PART OF RELOCATE EXISTING LIGHTING UNIT (84400105).



FILE NAME = K:\PROJECTS\Projects 2016\1-290 Over Salt Creek (PB)\CADD_Sheets\162C24-sh-Light-1B Rem.dgn

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	PLOT SCALE = 100.0000' / 1" =	DRAWN - MAA	REVISED -
	PLOT DATE = 3/9/2018	CHECKED - PV	REVISED -
		DATE - 3/6/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLANS			
SCALE: 1"=50'	SHEET NO.	OF SHEETS	STA. 1149+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	130
CONTRACT NO. 62C24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LT10

ABBREVIATIONS:

SYMBOL	DESCRIPTION
PVC	POLYVINYL CHLORIDE
ATS	ATTACHED TO STRUCTURE
EIS	EMBEDDED IN STRUCTURE
FO	FIBER OPTIC
JB	JUNCTION BOX
RGS	RIGID GALVANIZED STEEL
SMFO	SINGLE MODE FIBER OPTIC
TW PR	TWISTED PAIR

LEGEND

	EXISTING TEMPORARY LIGHT POLE, 75' MH. (USED FOR MOUNTING TEMPORARY FIBER OPTIC CABLE)
	EXISTING EQUIPMENT TO BE REMOVED
	EXISTING CONTROLLER CABINET
	TEMPORARY WOOD POLE 90', CLASS 4 (INSTALLED FOR LIGHTING)
	EXISTING FIBER OPTIC CABLES IN UNDERGROUND DUCT TO REMAIN IN PLACE
	EXISTING FIBER OPTIC CABLES CONTINUE
	CONDUITS SIZE AS INDICATED WITH CABLES AS APPLICABLE
	FIBER OPTIC CABLE, SINGLE MODE
	TEMPORARY AERIAL CABLE, SELF-SUPPORTING, 24 FIBERS, SINGLE MODE
	CCTV CAMERA HD
	TEMPORARY WOOD POLE 90', CLASS 4
	EXISTING JUNCTION BOX
	PROPOSED JUNCTION BOX 41"x12"x8"
(R)	EQUIPMENT TO BE REMOVED

GENERAL NOTES:

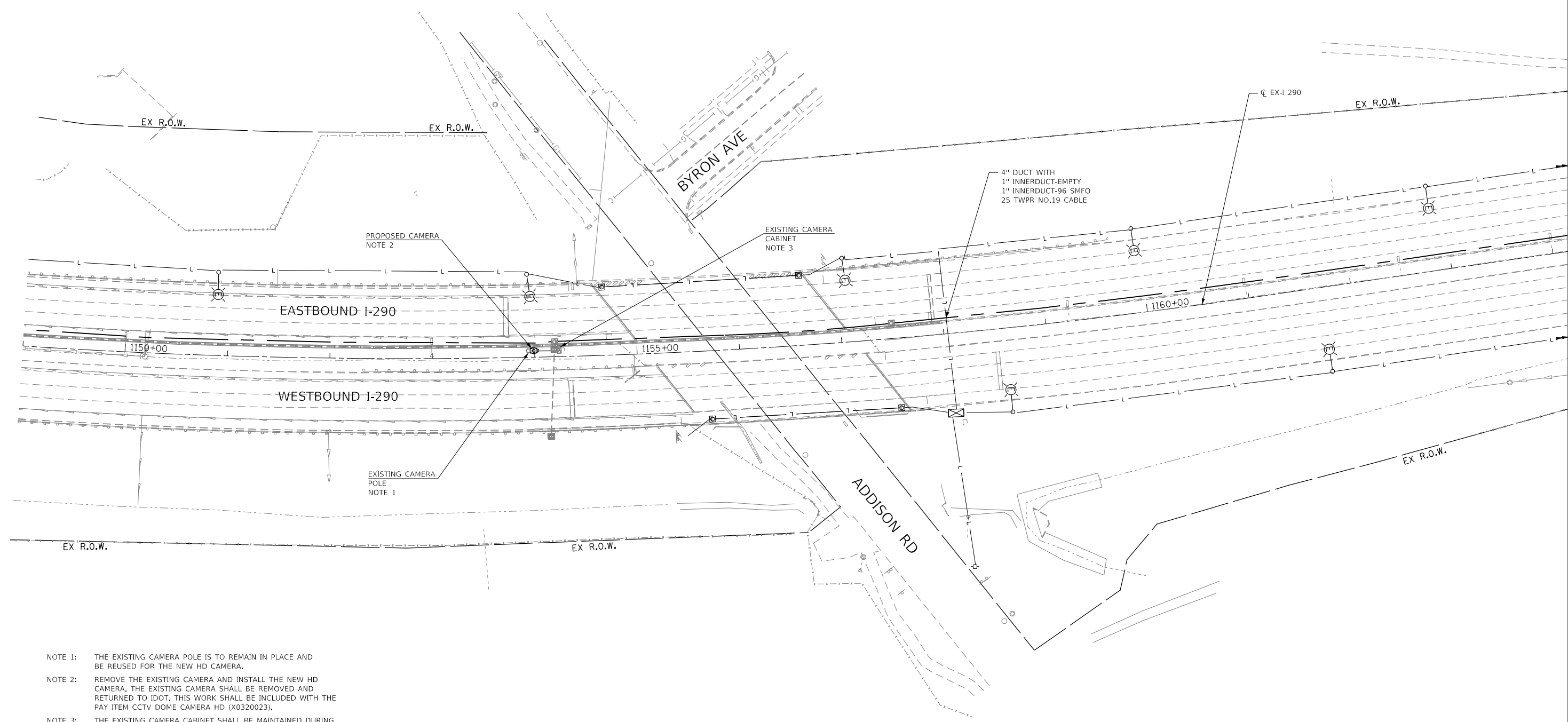
1. THE CONTRACTOR SHALL VERIFY ALL OF THE INFORMATION SHOWN ON THE CONTRACT DRAWINGS, WHICH WOULD AFFECT THE WORK UNDER THIS CONTRACT.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT, SPECIFICALLY AS THEY RELATE TO LUMP SUM ITEMS AND UNIT PRICE ITEMS.
3. ALL NEW CONDUITS, UNIT DUCTS, DIRECT BURIAL CABLES, AND APPURTENANCES ARE INDICATED DIAGRAMMATICALLY ON THE DRAWINGS. THE ACTUAL LOCATIONS IN THE FIELD SHALL MEET WITH APPROVAL OF THE ENGINEER.
4. THE WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND ASSOCIATED SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS (LATEST EDITION).
5. THE SCALE SHOWN ON PLAN DRAWINGS APPLIES ONLY TO THE FULL SIZE PLANS AND NOT TO REDUCED SIZE PLANS.
6. THE CONTRACTOR SHALL FURNISH AND INSTALL THE FIBER OPTIC CABLES IN ACCORDANCE WITH THE SUPPLIER'S RECOMMENDATIONS AND IN ACCORDANCE WITH THE SPECIFICATIONS. THE COST OF THIS WORK AND MATERIAL SHALL BE INCLUDED IN THE APPLICABLE PAY ITEM. SEPARATE PAYMENT WILL NOT BE MADE.
7. CONDUITS AND DUCTS SHALL BE INSTALLED AT A MINIMUM 30" DEPTH BELOW GRADE AND POSITIONED IN THE FIELD TO AVOID CONFLICT WITH ROADWAY UNDERDRAINS AND OTHER EXISTING AND PROPOSED UTILITIES. THE CONTRACTOR SHALL INCREASE DEPTH OF UNIT DUCT AND CONDUIT AS REQUIRED AT NO ADDITIONAL COST TO THE STATE. THE CONTRACTOR SHALL COORDINATE RACEWAY DEPTH WITH THE ENGINEER.
8. WHERE THE CONTRACTOR'S EXCAVATION MEETS AN OBSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR DIRECTION IN WRITING PRIOR TO EXCAVATION. THE CONTRACTOR SHALL RESTORE ANY DAMAGE TO EXISTING SYSTEMS OR UTILITIES AND ITEM. REMOVE EXISTING OBSTRUCTIONS AND FOUNDATIONS TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE APPROPRIATE PAY ITEM.
9. MAINLINE SPLICES FOR THE PERMANENT CONDITION AT NORDIC TOWER AND IL ROUTE 83 SHALL BE PERFORMED IN EXISTING ENCLOSURES. ALL PERMANENT SPLICE LOCATIONS SHALL INCLUDE 200 FEET OF SLACK, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND AVOIDING EXISTING UTILITIES.
11. ALL FIBER OPTIC WORK SHALL BE COORDINATED WITH IDOT, AND ANY REQUIRED OUTAGES MUST BE SUBMITTED IN WRITING AND APPROVED BEFOREHAND. ONLY SHORT OUTAGES WILL BE ALLOWED, TO MINIMIZE INTERRUPTIONS.
12. THE CONTRACTOR SHALL ASSUME ALL MAINTENANCE RESPONSIBILITY OF THE ELECTRICAL AND FIBER EQUIPMENT FROM IL ROUTE 83 TO NORDIC TOWER DURING CONSTRUCTION UNTIL FINAL CABLE IS INSTALLED AND ACCEPTED.
13. MAINTAIN THE EXISTING LATERAL FIBER OPTIC CONNECTIONS, CAMERA COMMUNICATIONS, AND ALL OTHER RELATED CONNECTIONS TO THE 96 STRAND FIBER OPTIC CABLE AND 25 TWISTED PAIR NO. 19 CABLES BETWEEN IL ROUTE 83 AND NORDIC TOWER.
14. MEADE ELECTRIC CO. DISTRICT ONE ELECTRICAL MAINTENANC CONTRACTOR LOCATES IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES. TEL: 773-287-7672.
15. CONTACT NASER GHOLEH (708-524-2145) AT IDOT FOR FIBER OPTIC COORDINATION.
16. FULL STOPS REQUIRED FOR INSTALLING AND REMOVING FIBER OPTIC CABLE OVER EXPRESSWAY. PLEASE REFER TO CONTRACT SPECIAL PROVISIONS FOR GUIDANCE AND REQUIREMENTS.

FIBER STAGING NOTES

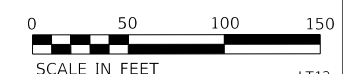
1. INSTALL TEMPORARY FIBER AND 25-TWISTED PAIR NO. 19 CABLE BETWEEN THE EXISTING JUNCTION BOXES AS SHOWN ON THE PLANS. DO NOT CONNECT THE TEMPORARY CABLES UNTIL SUBMITTED REQUEST IS APPROVED BY IDOT.
2. SUBMIT REQUEST TO IDOT TO SWITCH OVER TO THE TEMPORARY FIBER OVER THE WEEKEND TO MINIMIZE DOWN TIME.
3. WITH IDOT APPROVAL, SPLICE THE EXISTING FIBER OPTIC CABLES TO THE TEMPORARY CABLES.
4. REMOVE EXISTING CABLES AND CLEAN CONDUIT WHERE CABLES HAVE BEEN DISCONNECTED AND NOT OPERATIONAL.
5. AFTER PROPOSED BRIDGE CONSTRUCTION IS COMPLETE, INSTALL PROPOSED FIBER OPTIC CABLE IN THE EMPTY DUCT FROM IL ROUTE 83 TO NORDIC TOWER.
6. COORDINATE WITH IDOT TO SWITCH TO THE NEW FIBER OPTIC CABLES OVER THE WEEKEND.
7. AFTER RECEIVING APPROVAL FROM IDOT, SPLICE THE PROPOSED FIBER CABLES AT IL 83 AND NORDIC TOWER.
8. AFTER PROPOSED PERMANENT FIBER IS OPERATIONAL, REMOVE EXISTING FIBER OPTIC CABLE IN DUCT THAT WAS USED FOR THE TEMPORARY FIBER, REMOVE THE TEMPORARY FIBER ON THE WOOD POLES.
9. INSTALL AND CONNECT NEW 25-TWISTED PAIR NO. 19 CABLES BETWEEN THE JUNCTION BOXES (WHERE THE TEMPORARY AERIAL 25-PAIR NO. 19 WAS INSTALLED).
10. REMOVE THE TEMPORARY AERIAL 25-PAIR NO. 19 CABLES.

FILE NAME = K:\PROJECTS\Projects 2016\1-290 Over Salt Creek (PB)\CADD_Sheets\162264-ah-1s-11_Notes.dgn

GANDHI AND ASSOCIATES, INC. ENGINEERS AND PLANNERS 6035 N. NORTHWEST HIGHWAY SUITE 306 CHICAGO, ILLINOIS 60631 TEL: 773-774-590	USER NAME = \$USER\$	DESIGNED - MAA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ITS GENERAL NOTES AND LEGEND	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	LT11 CONTRACT NO. 62C24	
	PLOT SCALE = 100.00' / 1" =	CHECKED - PV	REVISED -			290	(22-1B-1)B	DUPAGE	402	131		
PLOT DATE = 1/26/2018	DATE - 1/25/2018	REVISED -	SCALE: N.T.S.			SHEET NO.	OF	SHEETS	STA.	TO	STA.	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT												



- NOTE 1: THE EXISTING CAMERA POLE IS TO REMAIN IN PLACE AND BE REUSED FOR THE NEW HD CAMERA.
- NOTE 2: REMOVE THE EXISTING CAMERA AND INSTALL THE NEW HD CAMERA. THE EXISTING CAMERA SHALL BE REMOVED AND RETURNED TO IDOT. THIS WORK SHALL BE INCLUDED WITH THE PAY ITEM CCTV DOME CAMERA HD (X0320023).
- NOTE 3: THE EXISTING CAMERA CABINET SHALL BE MAINTAINED DURING CONSTRUCTION. THIS WORK SHALL BE INCLUDED WITH THE PAY ITEM MAINTAINING ITS DURING CONSTRUCTION (X0327616).



FILE NAME = K:\PROJECTS\Projects 2016\I-290 Over Salt Creek (PB)\CADD\Sheets\162264-sh-11s-12 Cam.dgn

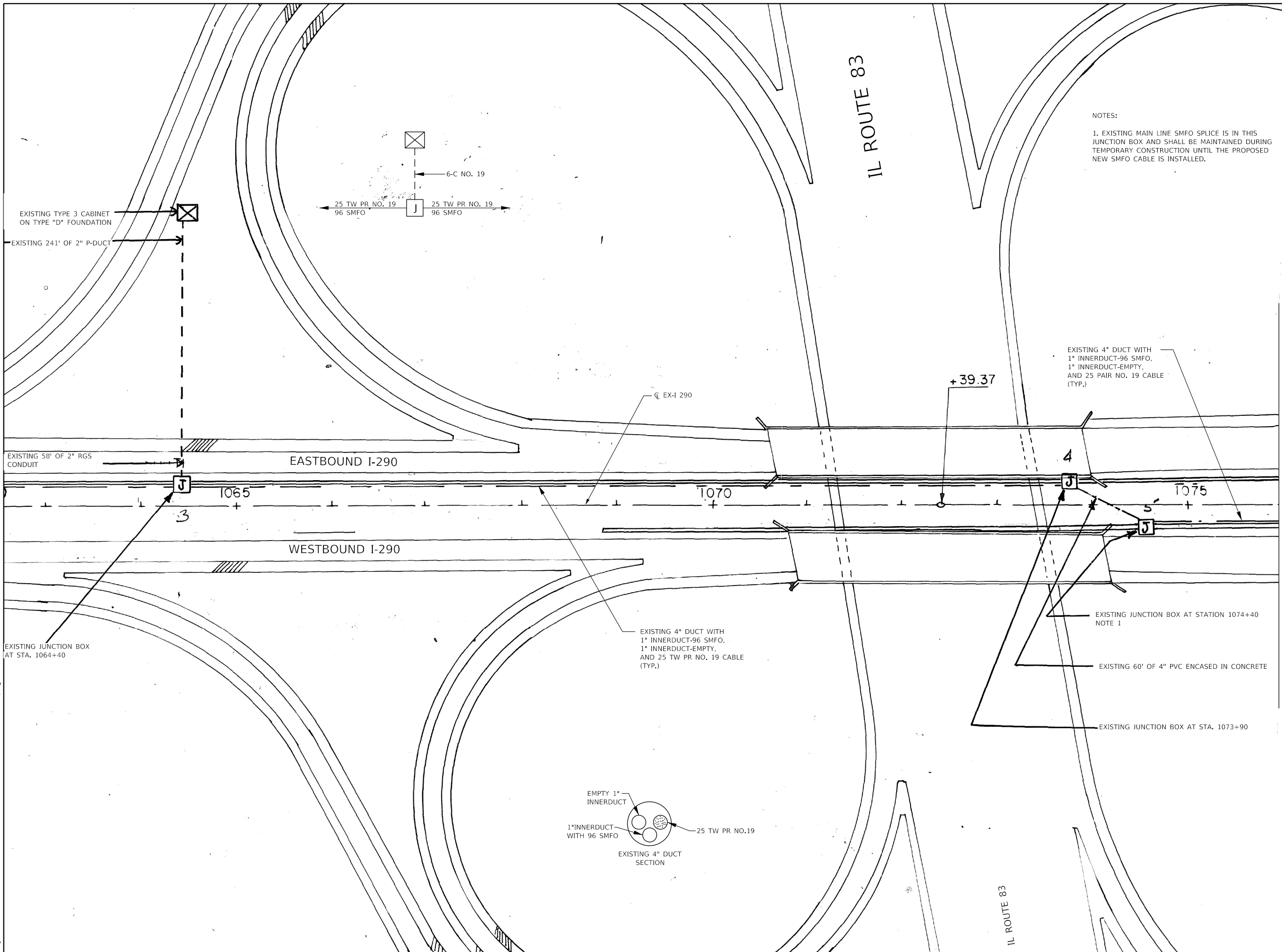
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	PLOT DATE = 1/23/2018	DATE - 1/25/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

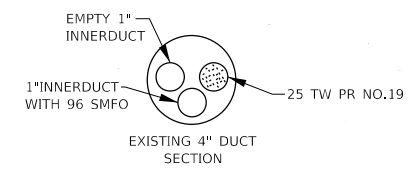
PROPOSED CCTV CAMERA PLANS			
SCALE: 1"=50'	SHEET NO.	OF SHEETS	STA. 1149+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	132
CONTRACT NO. 62C24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LT12



NOTES:
 1. EXISTING MAIN LINE SMFO SPLICE IS IN THIS JUNCTION BOX AND SHALL BE MAINTAINED DURING TEMPORARY CONSTRUCTION UNTIL THE PROPOSED NEW SMFO CABLE IS INSTALLED.



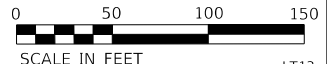
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 GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 6035 N. NORTHWEST HIGHWAY
 SUITE 206
 CHICAGO, ILLINOIS 60630 TEL: 773/774-590

USER NAME = \$USER\$	DESIGNED - MAA	REVISED -
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PLOT SCALE = 100.0000' / 1"	CHECKED - PV	REVISED -
PLOT DATE = 1/23/2018	DATE - 1/25/2018	REVISED -

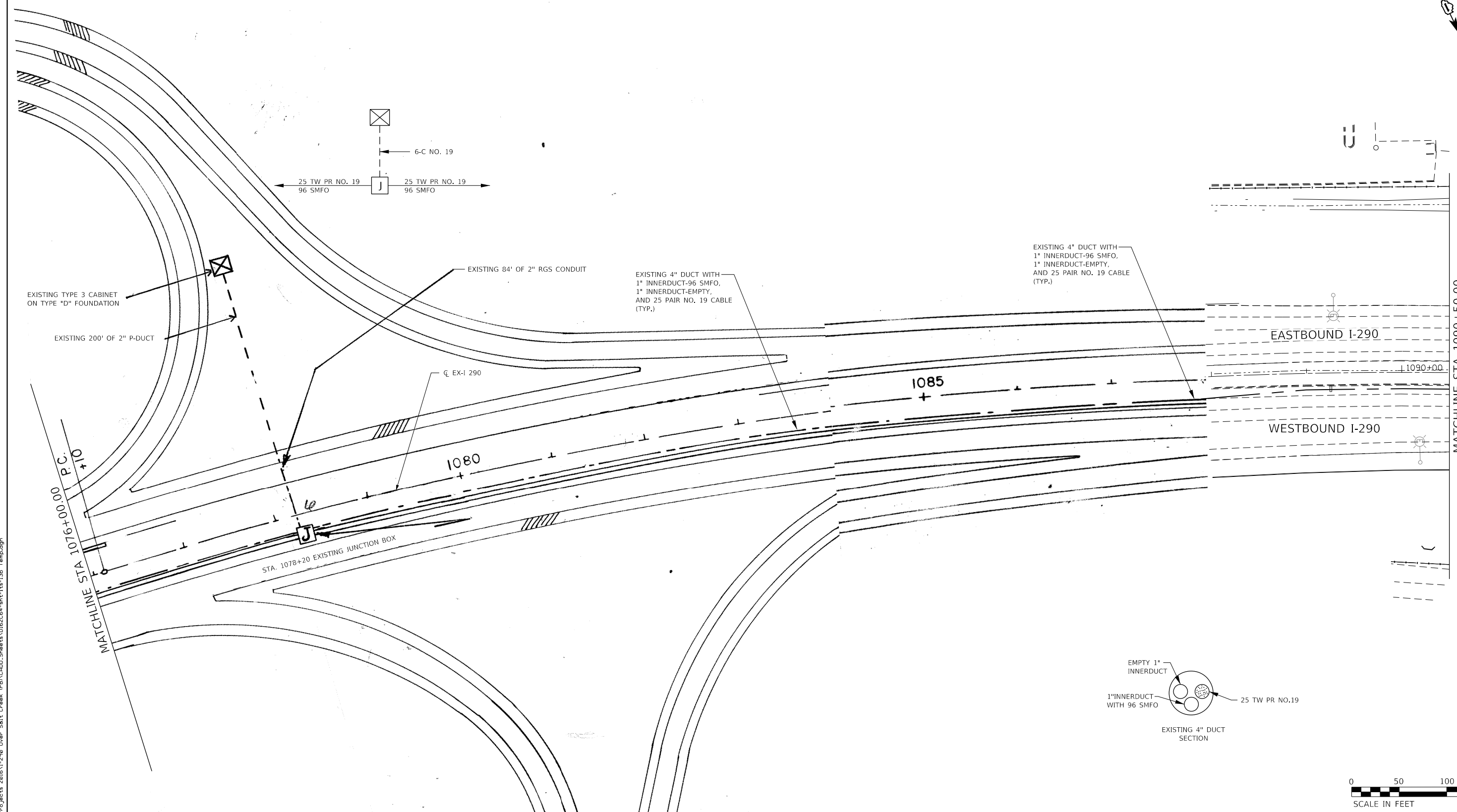
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY FIBER OPTIC PLANS			
SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. 1119+00 TO STA. 134+00	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	133
CONTRACT NO. 62C24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LT13



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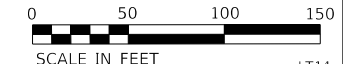

GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 5035 N. NORTHWEST HIGHWAY
 SUITE 206
 CHICAGO, ILLINOIS 60630 TEL: 773-774-590

USER NAME = \$USER\$	DESIGNED - MAA	REVISED -
	DRAWN - MAA	REVISED -
PLOT SCALE = 1/8" = 1' / 11"	CHECKED - PV	REVISED -
PLOT DATE = 1/23/2018	DATE - 1/25/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TEMPORARY FIBER OPTIC PLANS

SCALE: 1/8"=50' SHEET NO. OF SHEETS STA. 1119+00 TO STA 1134+00



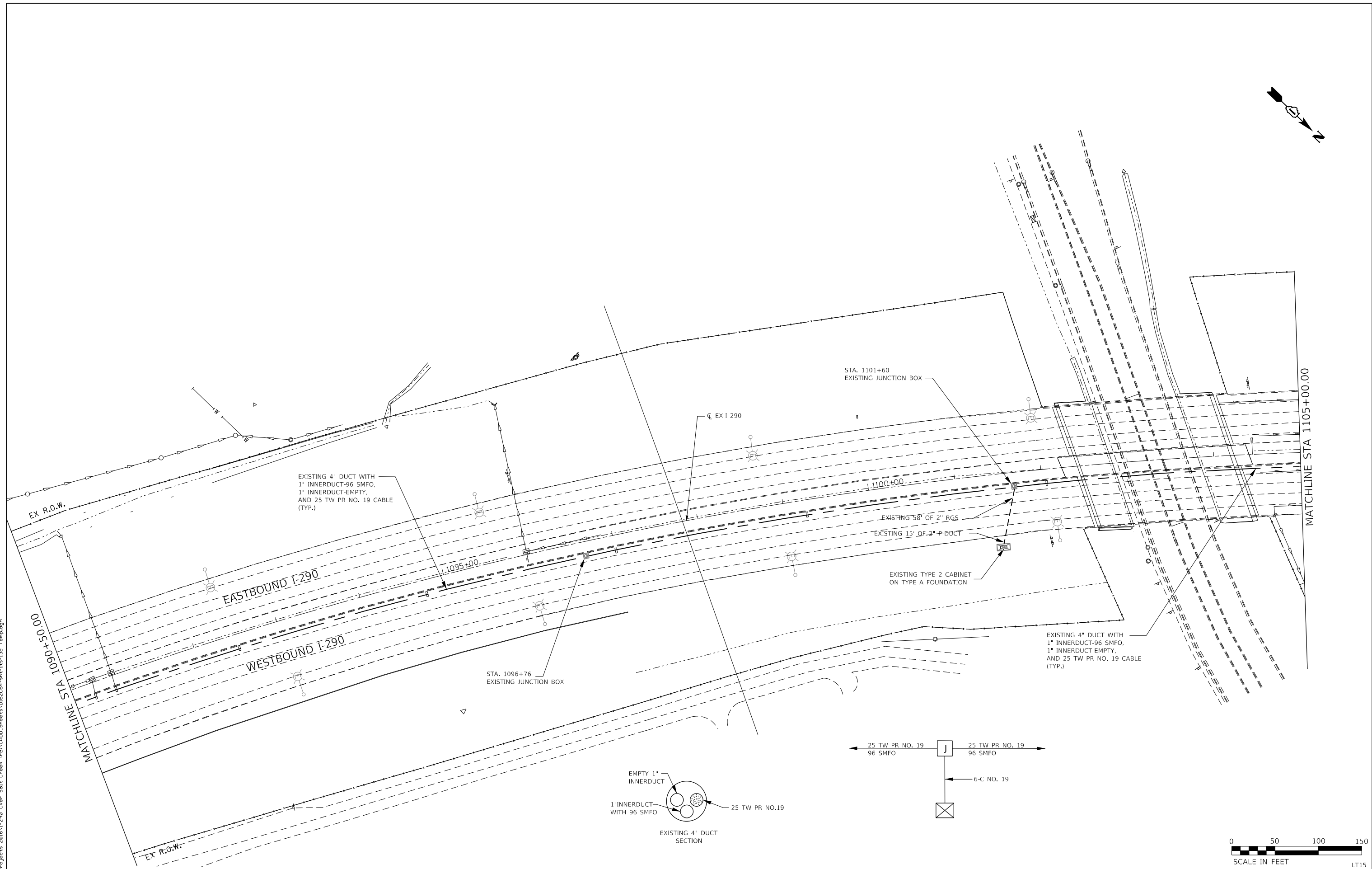
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	134
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

MATCHLINE STA 1090+50.00

LT14



FILE NAME = K:\PROJECTS\Projects 2016\1-290 Over Salt Creek (PB)\CADD_Sheets\162264-sh-1s-13c_Temp.dgn



GO GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 5035 N. NORTHWEST HIGHWAY
 SUITE 206
 CHICAGO, ILLINOIS 60630 TEL: 773.7174.590

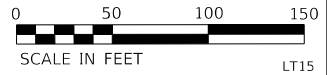
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PLOT DATE = 1/23/2018	DATE - 1/25/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

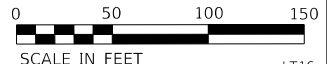
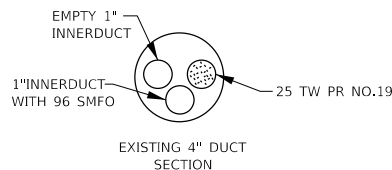
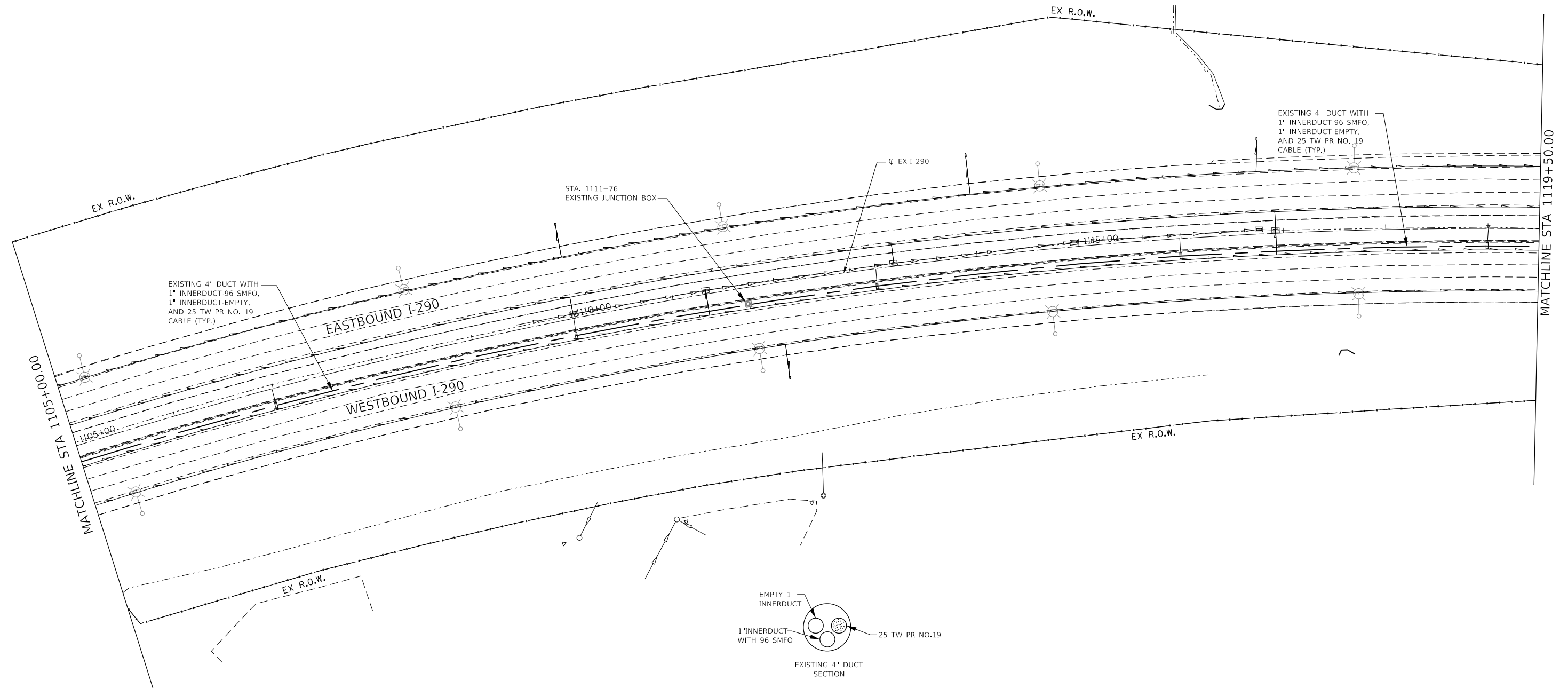
TEMPORARY FIBER OPTIC PLANS

SCALE: 1/8"=50' SHEET NO. OF SHEETS STA. 1119+00 TO STA. 1134+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	135
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	



LT15



FILE NAME = K:\PROJECTS\Projects 2016\1-290 Over Salt Creek (PB)\CADD_Sheets\162264-sh-1s-13d Temp.dgn



GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 5035 N. NORTHWEST HIGHWAY
 SUITE 306
 CHICAGO, ILLINOIS 60630 TEL: 773.774.590

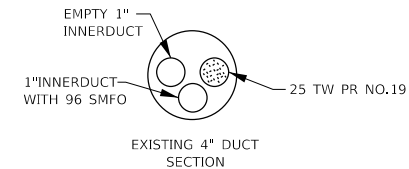
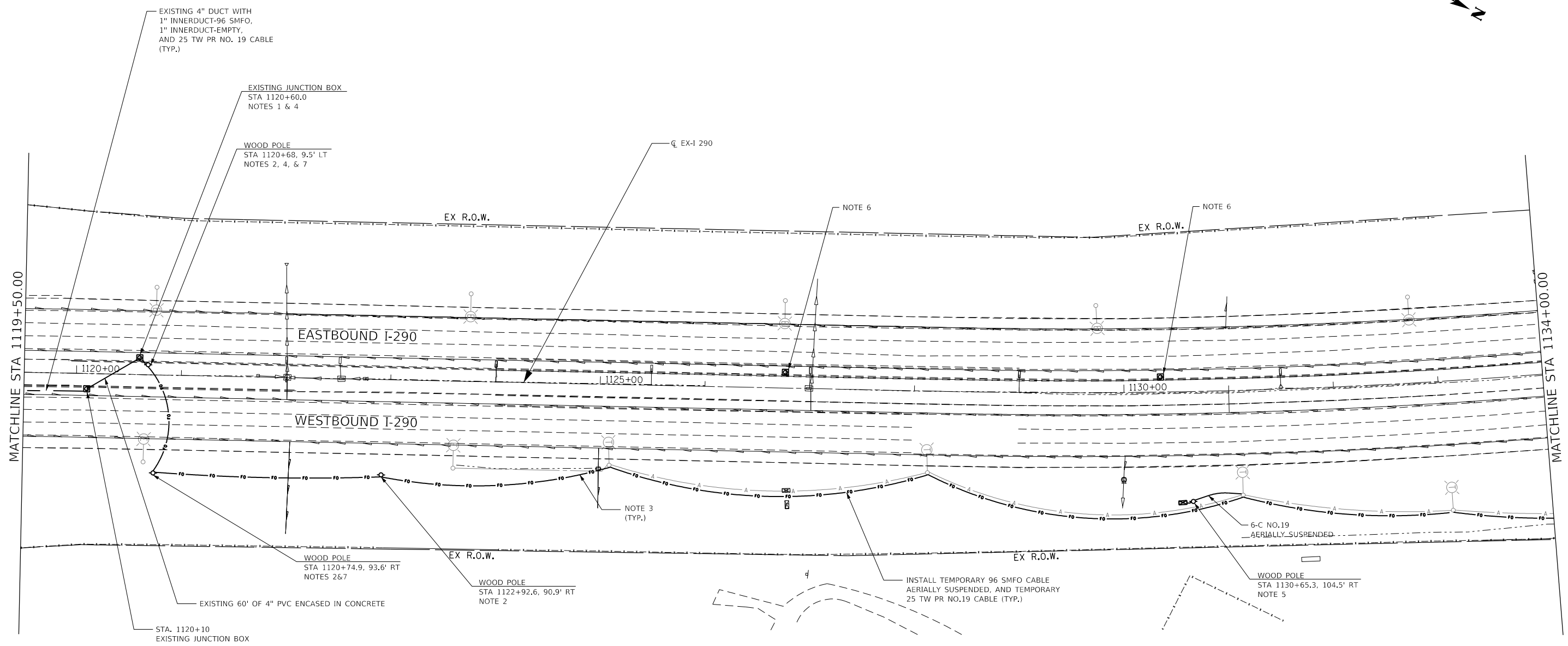
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PLOT DATE = 1/23/2018	DATE - 1/25/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

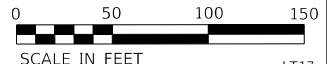
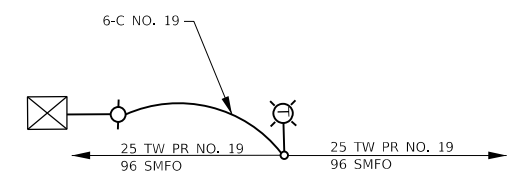
TEMPORARY FIBER OPTIC PLANS			
SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. 1119+00 TO STA. 1134+00	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	136
CONTRACT NO. 62C24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LT16



- NOTE 1: SPLICE MAINLINE FIBER OPTIC CABLE FOR TEMPORARY CONNECTION.
- NOTE 2: INSTALL TEMPORARY WOOD POLE TO AERIALLY SUSPEND TEMPORARY FIBER OPTIC AND TWISTED PAIR CABLE.
- NOTE 3: ATTACH TEMPORARY FIBER OPTIC CABLE AND 25 TWISTED PAIR NO. 19 CABLE TO TEMPORARY LIGHT POLES.
- NOTE 4: SPLICE 25 TWISTED PAIR CABLE FOR TEMPORARY CONNECTION.
- NOTE 5: INSTALL TEMPORARY WOOD POLE TO AERIALLY SUSPEND TEMPORARY TW PR NO. 19 CABLE AND CONNECT IT TO THE EXISTING CABINET.
- NOTE 6: JUNCTION BOX WILL BE REMOVED WITH THE CONCRETE REMOVAL. TEMPORARY SYSTEM MUST BE IN PLACE AND OPERATIONAL BEFORE THIS REMOVAL.
- NOTE 7: FULL STOPS REQUIRED FOR INSTALLING AND REMOVING FIBER OPTIC CABLE OVER EXPRESSWAY. PLEASE REFER TO CONTRACT SPECIAL PROVISIONS FOR GUIDANCE AND REQUIREMENTS.



FILE NAME = K:\PROJECTS\Projects 2016\I-290 Over Salt Creek (PB)\CADD_Sheets\DI62C24-sh-11s-13e Temp.dgn


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 ENGINEERS AND PLANNERS
 5035 N. NORTHWEST HIGHWAY
 SUITE 206
 CHICAGO, ILLINOIS 60630 TEL: 773-774-590

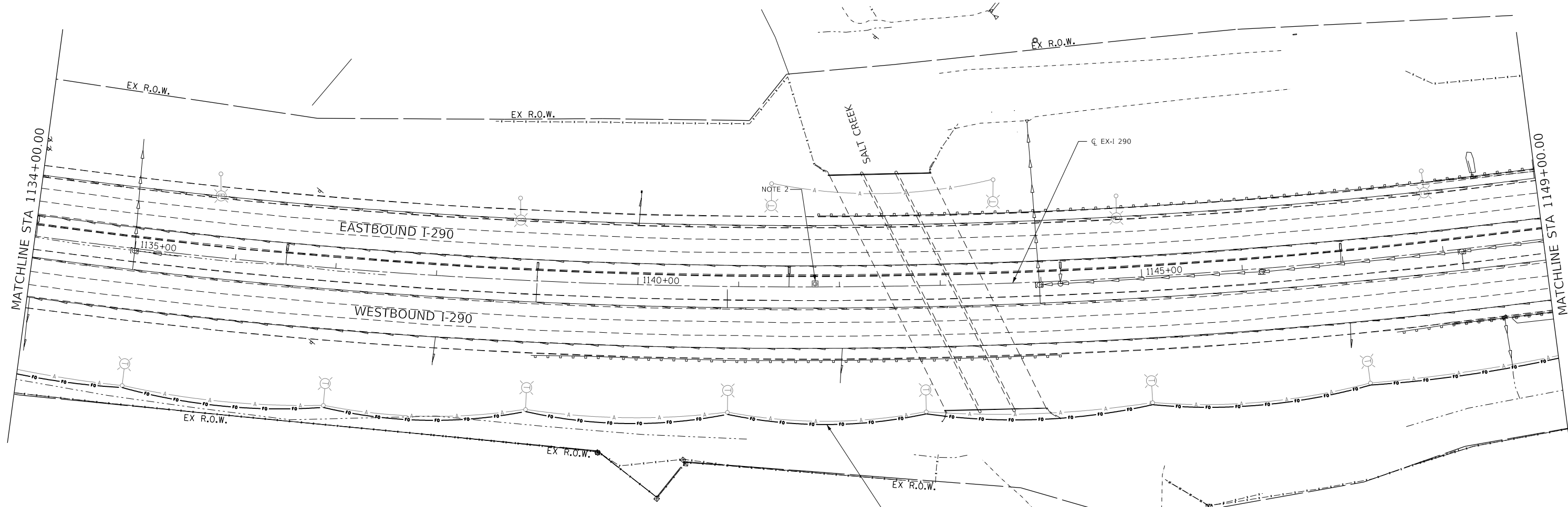
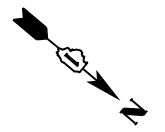
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PLOT SCALE = 100.0000' / 1"	CHECKED - PV	REVISED -
PLOT DATE = 1/26/2018	DATE - 1/25/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY FIBER OPTIC PLANS			
SCALE: 1"=50'	SHEET NO.	OF SHEETS	STA. 1119+00 TO STA. 1134+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	137
CONTRACT NO. 62C24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

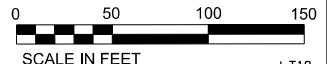
LT17



NOTE 1: ATTACH TEMPORARY FIBER OPTIC CABLE AND 25 TWISTED PAIR NO. 19 CABLE TO TEMPORARY LIGHT POLES.

NOTE 2: JUNCTION BOX WILL BE REMOVED WITH THE CONCRETE REMOVAL. TEMPORARY SYSTEM MUST BE INPLACE AND OPERATIONAL BEFORE THIS REMOVAL.

INSTALL TEMPORARY 96 SMFO CABLE AERIALY SUSPENDED, AND TEMPORARY 25 TW PR NO.19 CABLE, NOTE 1 (TYP.)



FILE NAME = K:\PROJECTS\Projects 2016\I-290 Over Salt Creek (PB)\CADD_Sheets\DI62C64-sh-13-14 Temp.dgn



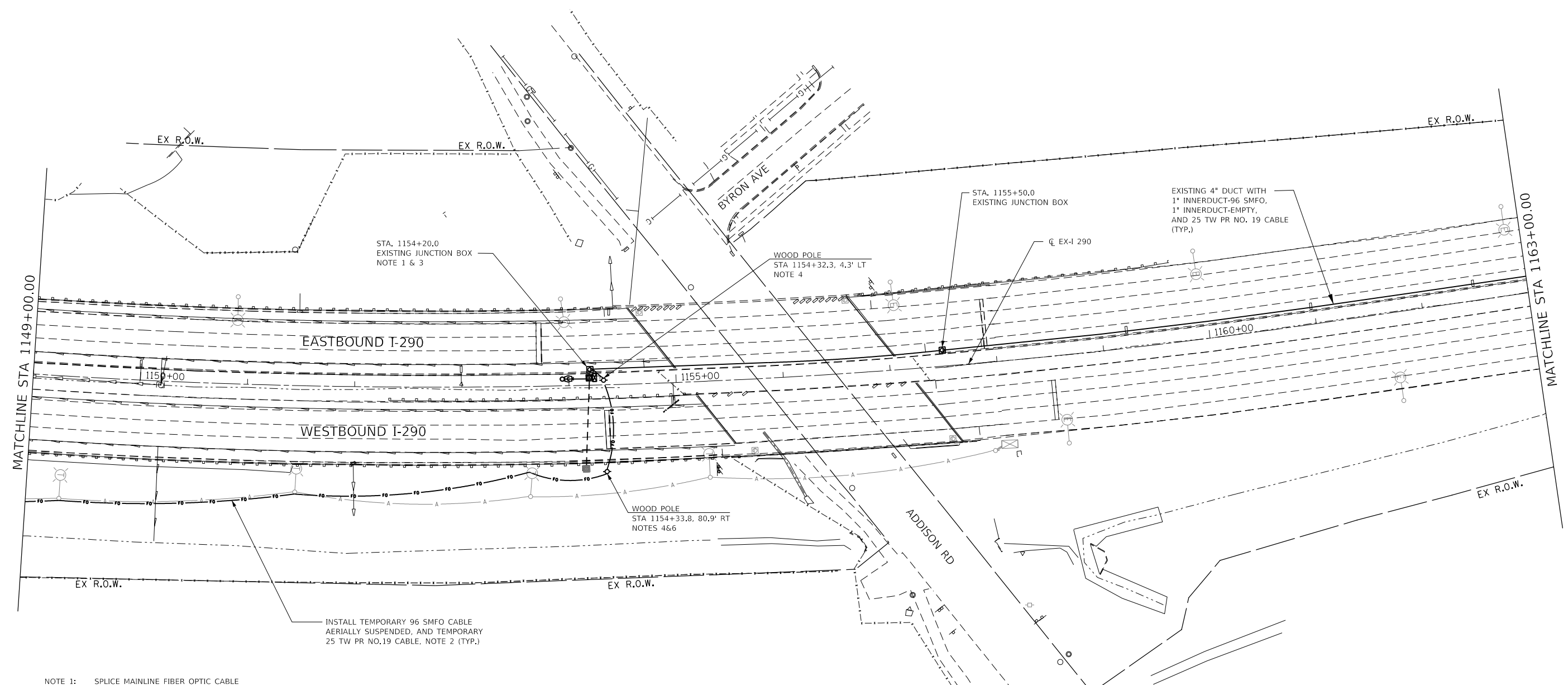
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	DATE - 1/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

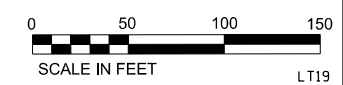
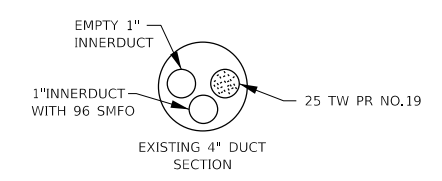
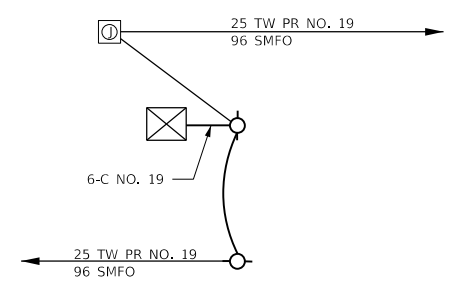
TEMPORARY FIBER OPTIC PLANS			
SCALE: 1"=50'	SHEET NO.	OF SHEETS	STA. 1134+00 TO STA. 1149+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	138
CONTRACT NO. 62C24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LT18



- NOTE 1: SPLICE MAINLINE FIBER OPTIC CABLE FOR TEMPORARY CONNECTION.
- NOTE 2: ATTACH TEMPORARY FIBER OPTIC CABLE AND 25 TWISTED PAIR NO. 19 CABLE TO TEMPORARY LIGHT POLES.
- NOTE 3: SPLICE 25 TWISTED PAIR CABLE FOR TEMPORARY CONNECTION.
- NOTE 4: INSTALL TEMPORARY WOOD POLE TO AERIALLY SUSPEND TEMPORARY TWISTED PAIR NO.19 CABLE AND 96 SMFO CABLE
- NOTE 5: INSTALL TEMPORARY WOOD POLE TO AERIALLY SUSPEND TEMPORARY TWISTED PAIR NO.19 CABLE AND 96 SMFO CABLE
- NOTE 6: FULL STOPS REQUIRED FOR INSTALLING AND REMOVING FIBER OPTIC CABLE OVER EXPRESSWAY. PLEASE REFER TO CONTRACT SPECIAL PROVISIONS FOR GUIDANCE AND REQUIREMENTS.



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 ENGINEERS AND PLANNERS
 5015 N. NORTHWEST HIGHWAY
 SUITE 300
 CHICAGO, ILLINOIS 60630 TEL: 773-774-5900

USER NAME = \$USER\$	DESIGNED - MAA	REVISED -
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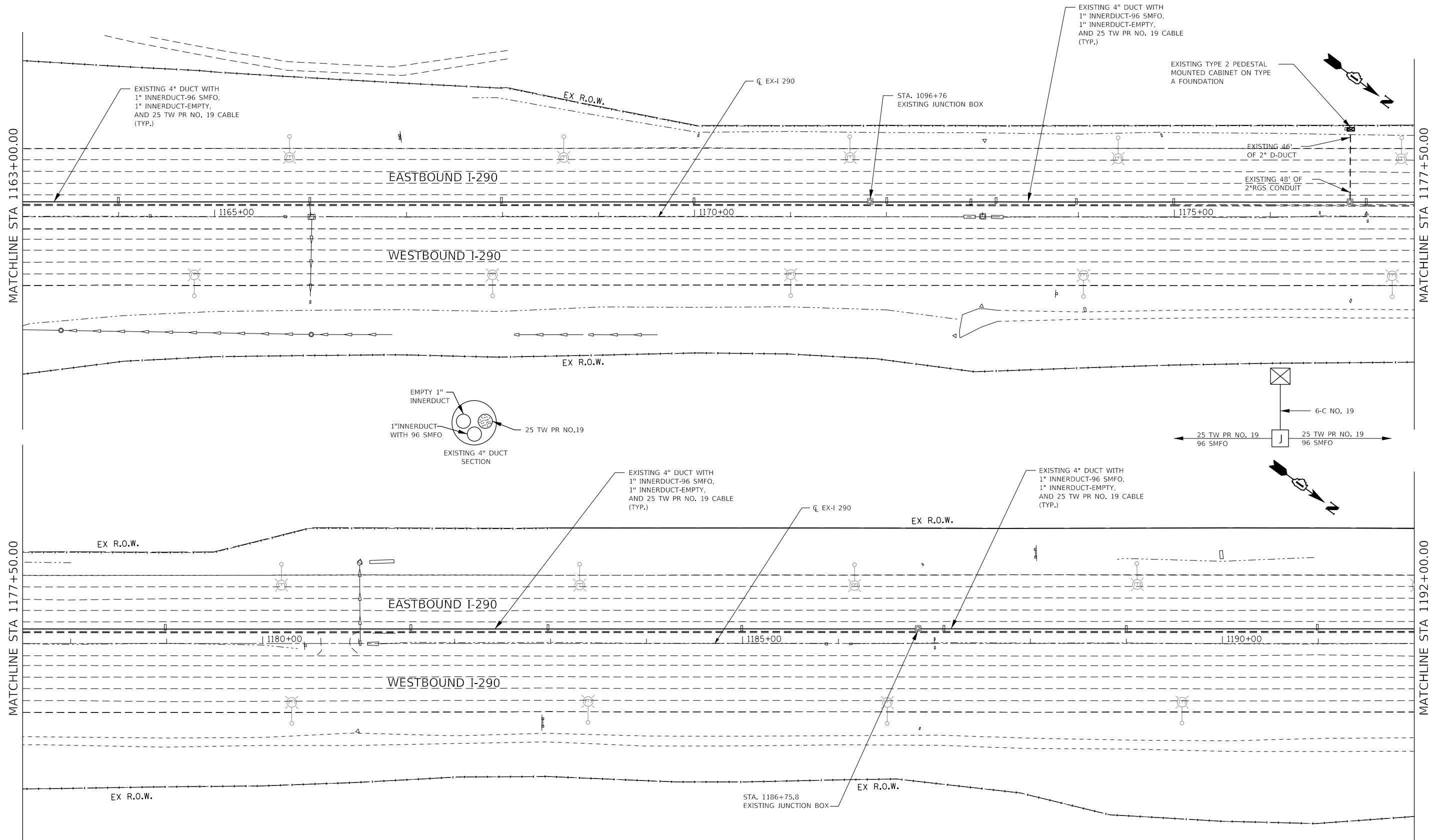
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY FIBER OPTIC PLANS

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 1149+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	139
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

LT19



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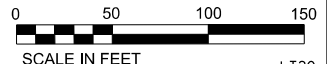


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PLOT DATE = 1/23/2018	CHECKED - PV	REVISED -
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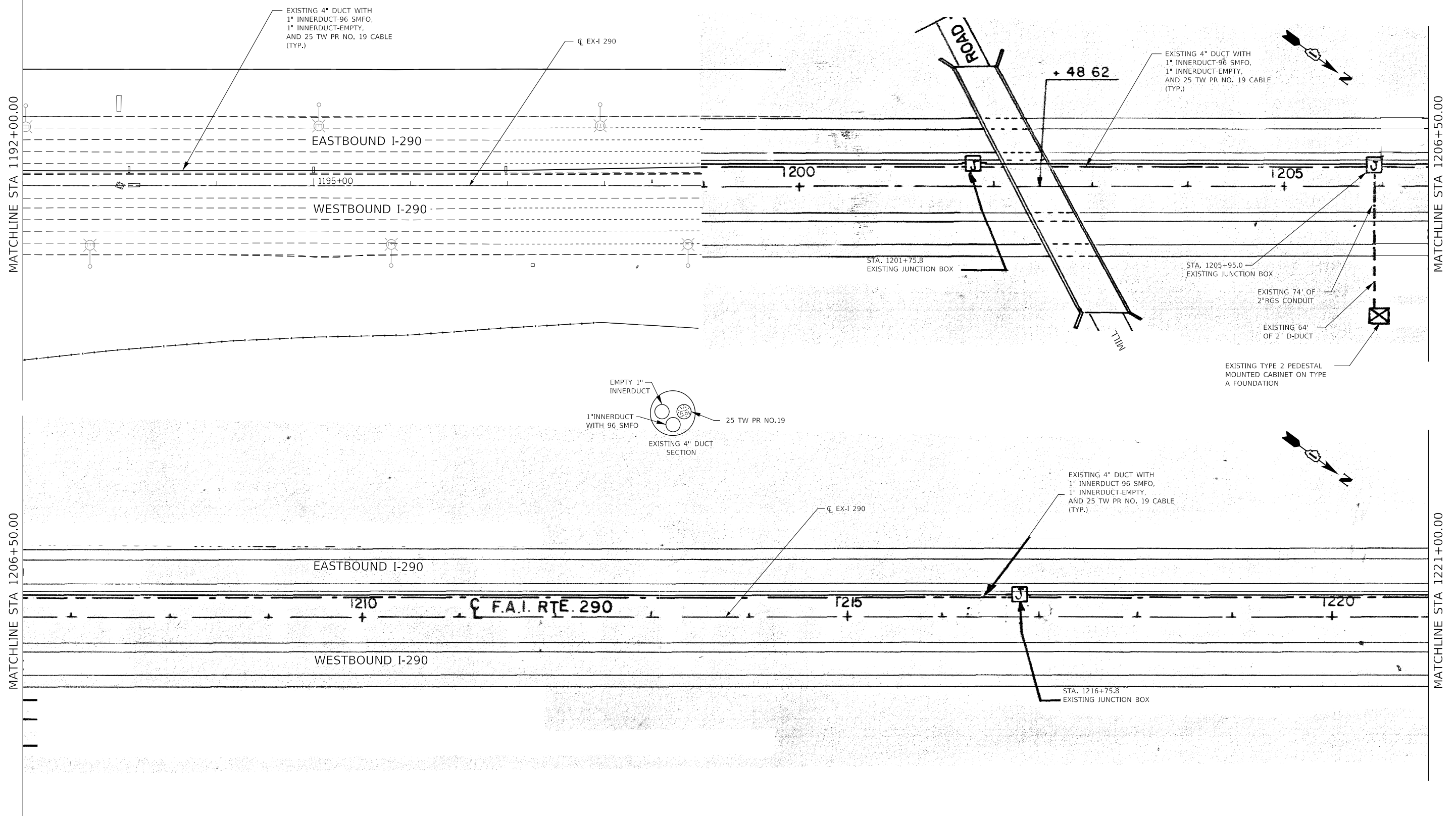
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY FIBER OPTIC PLANS			
SCALE: 1"=50'	SHEET NO.	OF SHEETS	STA. 1149+00 TO STA.

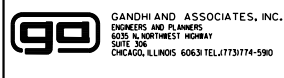
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290	(22-1B-1)B	DUPAGE	402	140
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	



LT20



FILE NAME: K:\PROJECTS\Projects 2016\1-290 Over Salt Creek (PB)\CADD_Sheets\162264-sh-11s-1b- Temp.dgn

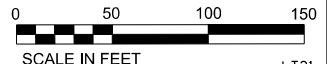


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DRAWN - MAA	REVISED -	
PLOT SCALE = 100.0000' / 1"	CHECKED - PV	REVISED -
PLOT DATE = 1/23/2018	DATE - 1/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY FIBER OPTIC PLANS			
SCALE: 1"=50'	SHEET NO.	OF SHEETS	STA. 1149+00 TO STA.

F.A.I. RTE. 290	SECTION (22-1B-1)B	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 141
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	



LT21

MATCHLINE STA 1221+00.00

MATCHLINE STA 1235+50.00

MATCHLINE STA 1235+50.00

MATCHLINE STA 1250+00.00

EASTBOUND I-290

WESTBOUND I-290

1225

1230

RTE. 290

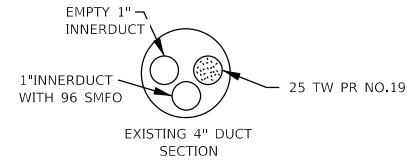
1235

EXISTING 4" DUCT WITH
1" INNERDUCT-96 SMFO,
1" INNERDUCT-EMPTY,
AND 25 TW PR NO. 19 CABLE
(TYP.)

CL EX-I 290

EXISTING 4" DUCT WITH
1" INNERDUCT-96 SMFO,
1" INNERDUCT-EMPTY,
AND 25 TW PR NO. 19 CABLE
(TYP.)

STA. 1231+82.0
EXISTING JUNCTION BOX



EXISTING 4" DUCT WITH
1" INNERDUCT-96 SMFO,
1" INNERDUCT-EMPTY,
AND 25 TW PR NO. 19 CABLE
(TYP.)

CL EX-I 290

EASTBOUND I-290

WESTBOUND I-290

1240

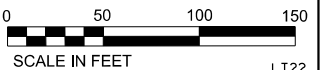
1245

EXISTING TYPE 2 PEDESTAL MOUNTED CABINET ON
TYPE A FOUNDATION

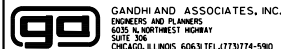
EXISTING 107' OF 2" D-DUCT

EXISTING 48' OF 2" RGS CONDUIT

STA. 1246+75.8
EXISTING JUNCTION BOX



FILE NAME = K:\PROJECTS\Projects 2016\1-290 Over Salt Creek (PB)\CADD_Sheets\162C24-sh-11s-16d Temp.dgn



USER NAME = \$USER\$	DESIGNED - MAA	REVISED -
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PLOT DATE = 1/23/2018	DATE - 1/25/2018	REVISED -

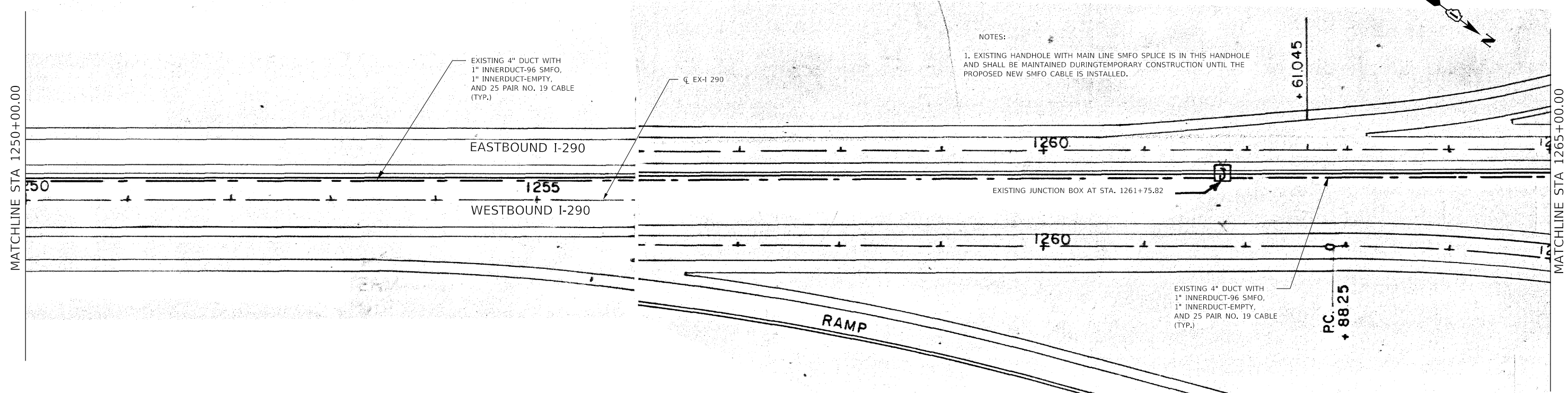
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY FIBER OPTIC PLANS

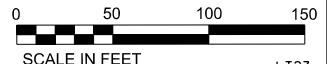
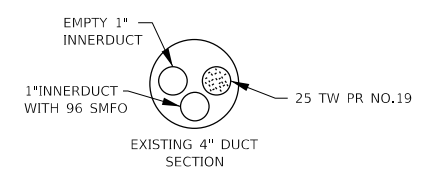
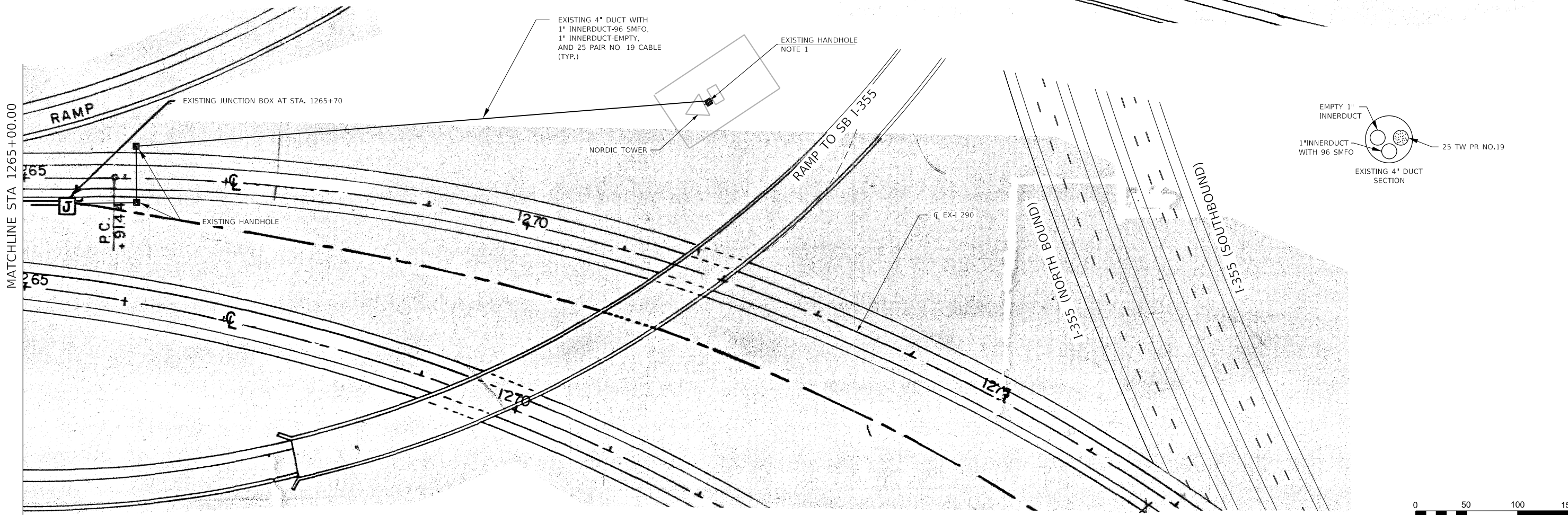
SCALE: 1"=50' SHEET NO. OF SHEETS STA. 1149+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	142
CONTRACT NO. 62C24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LT22



NOTES:
 1. EXISTING HANDHOLE WITH MAIN LINE SMFO SPLICE IS IN THIS HANDHOLE AND SHALL BE MAINTAINED DURING TEMPORARY CONSTRUCTION UNTIL THE PROPOSED NEW SMFO CABLE IS INSTALLED.



FILE NAME: K:\PROJECTS\Projects 2016\1-290 Over Salt Creek (PB)\CADD_Sheets\1262C64-sh-123-15e Temp.dgn

GA GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 5035 N. NORTHWEST HIGHWAY
 SUITE 200
 CHICAGO, ILLINOIS 60630 TEL: 773/774-590

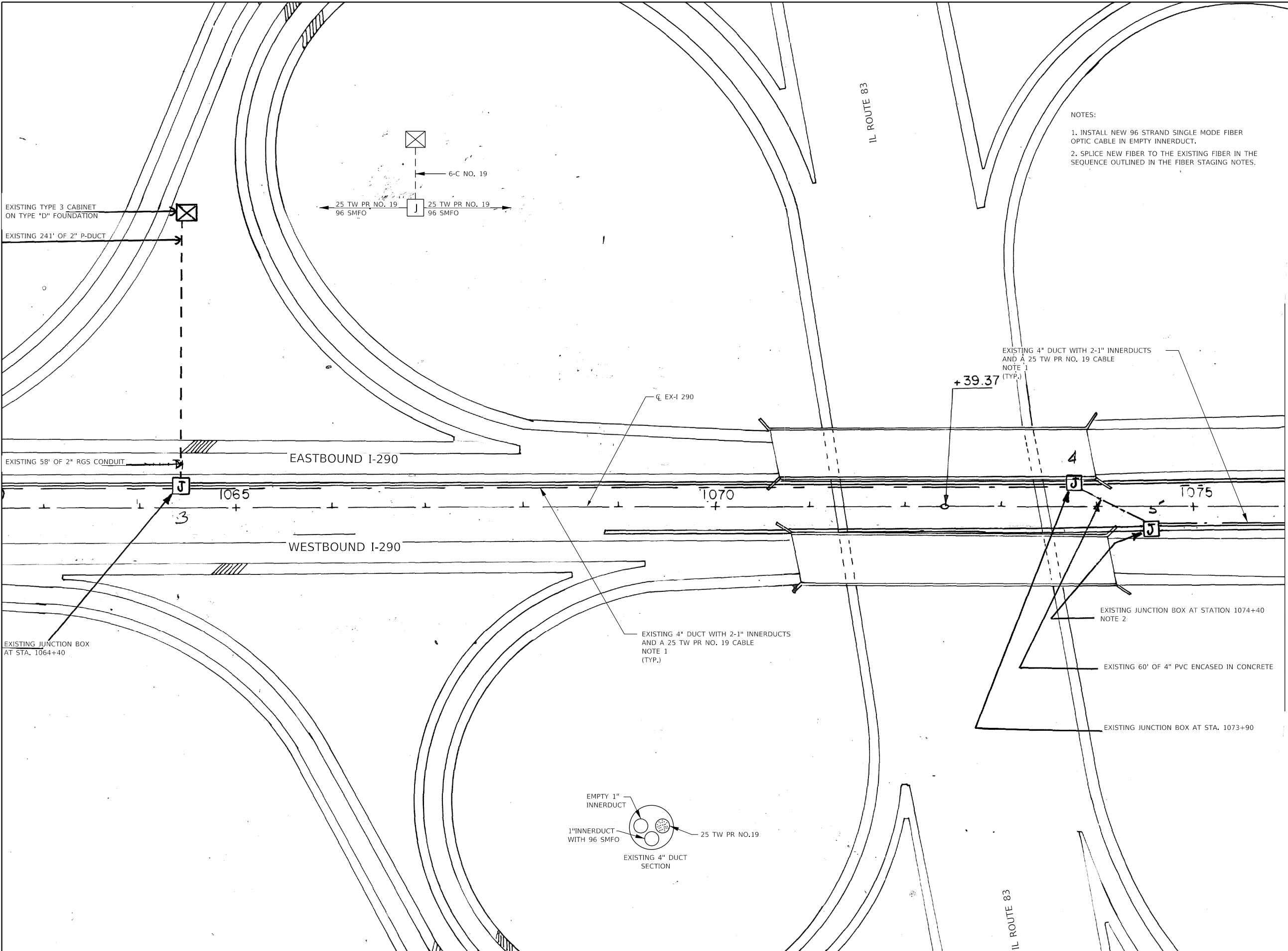
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	DRAWN - MAA	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - PV	REVISED -
PLOT DATE = 1/23/2018	DATE - 1/25/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

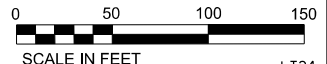
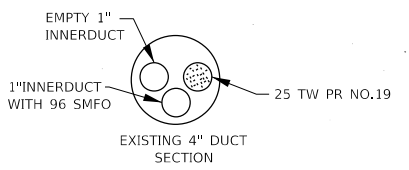
TEMPORARY FIBER OPTIC PLANS			
SCALE: 1"=50'	SHEET NO.	OF SHEETS	STA. 1250+00 TO STA. 1277+00

F.A.I. RTE. 290	SECTION (22-1B-1)B	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 143
CONTRACT NO. 62C24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LT23



- NOTES:
1. INSTALL NEW 96 STRAND SINGLE MODE FIBER OPTIC CABLE IN EMPTY INNERDUCT.
 2. SPLICE NEW FIBER TO THE EXISTING FIBER IN THE SEQUENCE OUTLINED IN THE FIBER STAGING NOTES.



FILE NAME = K:\PROJECTS\Projects 2016\1-290 Over Salt Creek (PB)\CADD\Sheets\1162264-sh-116a Prop.dgn

USER NAME = \$USER\$	DESIGNED - MAA	REVISED -
	DRAWN - MAA	REVISED -
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PLOT DATE = 1/23/2018	DATE - 1/25/2018	REVISED -

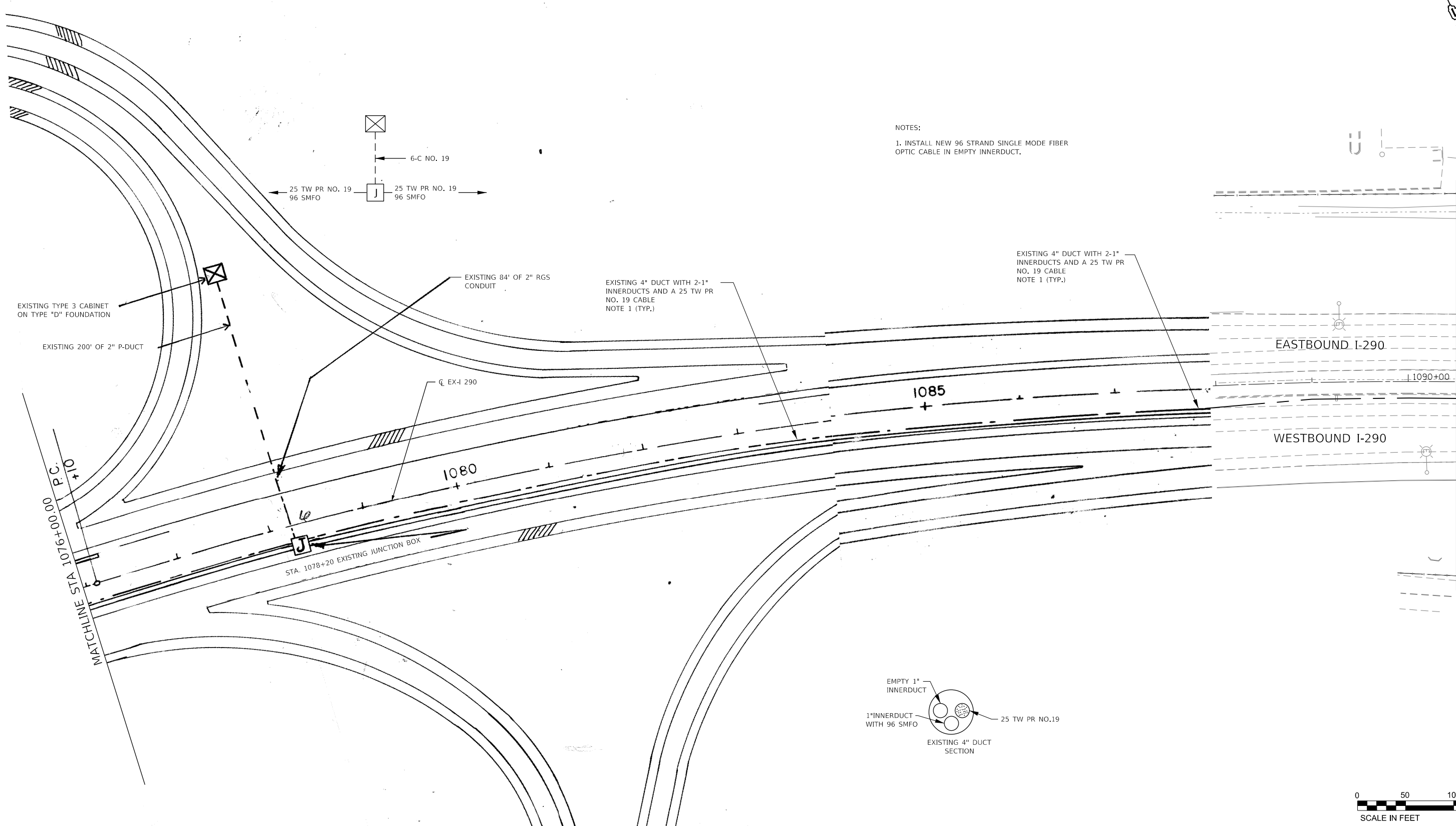
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED FIBER OPTIC PLANS

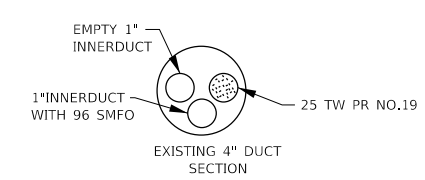
SCALE: 1"=50' SHEET NO. OF SHEETS STA. 1119+00 TO STA. 1134+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	144
CONTRACT NO. 62C24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LT24



NOTES:
 1. INSTALL NEW 96 STRAND SINGLE MODE FIBER OPTIC CABLE IN EMPTY INNERDUCT.



FILE NAME = K:\PROJECTS\Projects 2016\1-290 Over Salt Creek (PB)\CADD_Sheets\162264-sh-13-15-16b Prop.dgn

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PLOT DATE = 1/23/2018	DATE - 1/25/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED FIBER OPTIC PLANS

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 1119+00 TO STA. 1134+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	145
CONTRACT NO. 62C24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

MATCHLINE STA 1090+50.00

LT25



NOTES:
 1. INSTALL NEW 96 STRAND SINGLE MODE FIBER OPTIC CABLE IN EMPTY INNERDUCT.

EXISTING 4" DUCT WITH 2-1" INNERDUCTS AND A 25 TW PR NO. 19 CABLE
 NOTE 1 (TYP.)

EXISTING 4" DUCT WITH 2-1" INNERDUCTS AND A 25 TW PR NO. 19 CABLE
 NOTE 1 (TYP.)

STA. 1101+60
 EXISTING JUNCTION BOX

EX-1 290

EXISTING 58' OF 2" RGS
 EXISTING 15' OF 2" P-DUCT

EXISTING TYPE 2 CABINET ON TYPE A FOUNDATION

STA. 1096+76
 EXISTING JUNCTION BOX

MATCHLINE STA 1105+00.00

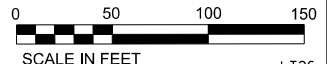
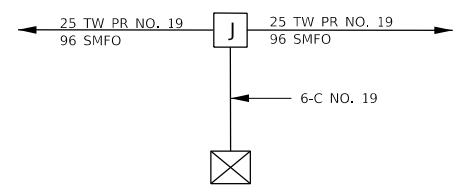
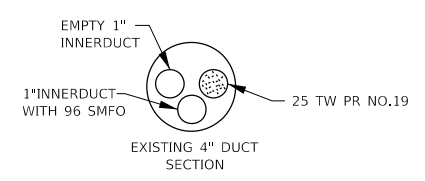
EX R.O.W.

MATCHLINE STA 109+50.00

EASTBOUND I-290

WESTBOUND I-290

EX R.O.W.



FILE NAME = K:\PROJECTS\Projects 2016\1-290 Over Salt Creek (PB)\CADD_Sheets\162264-sh-13-16c Prop.dgn

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DRAWN - MAA	REVISOR -	
PLOT SCALE = 100.0000' / 1"	CHECKED - PV	REVISOR -
PLOT DATE = 1/23/2018	DATE - 1/25/2018	REVISOR -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

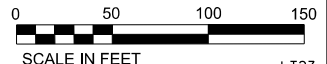
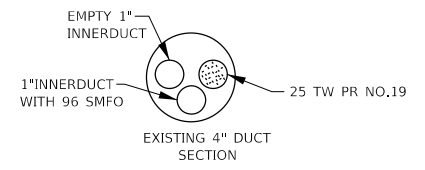
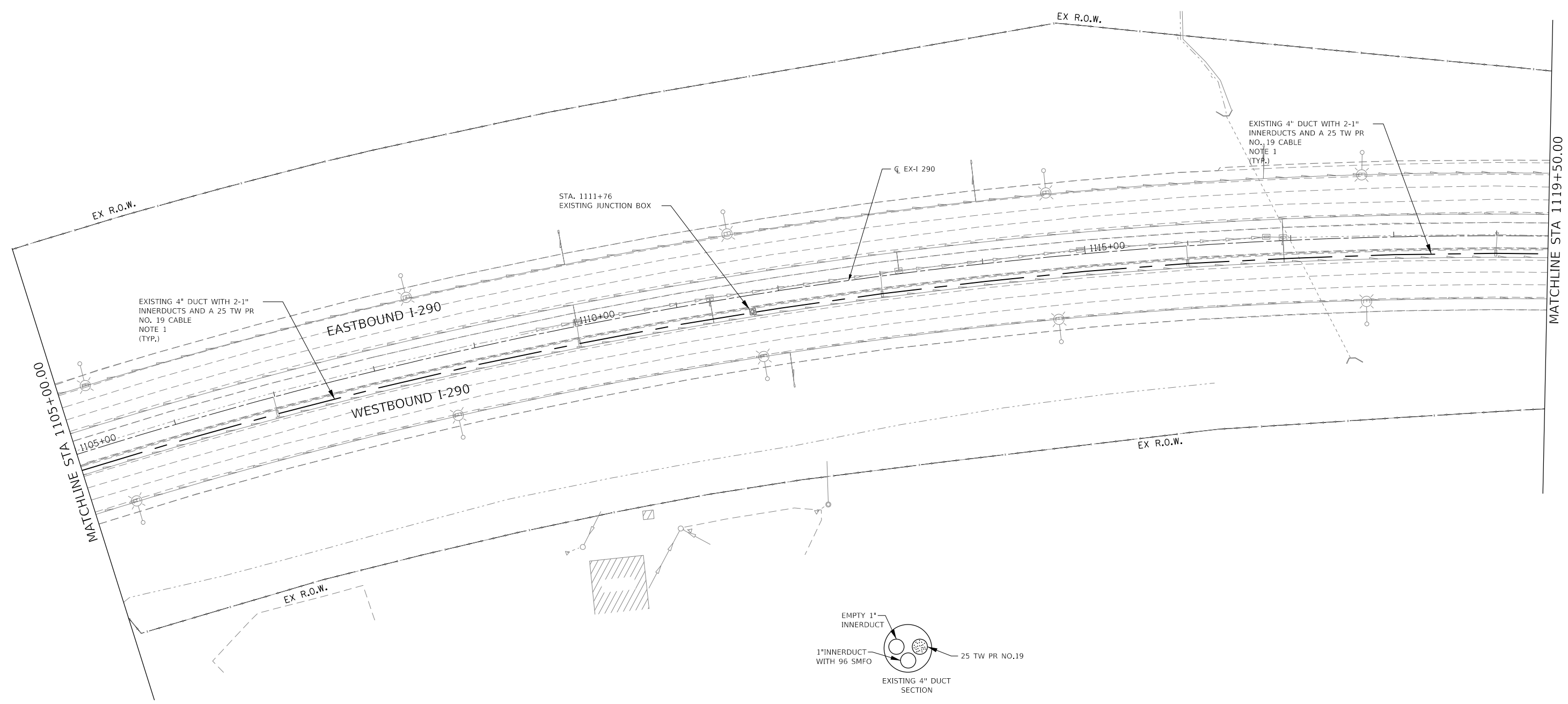
PROPOSED FIBER OPTIC PLANS

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 1119+00 TO STA. 1134+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	146
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	



NOTES:
 1. INSTALL NEW 96 STRAND SINGLE MODE FIBER OPTIC CABLE IN EMPTY INNERDUCT.



FILE NAME = K:\PROJECTS\Projects 2016\1-290 Over Salt Creek (PB)\CADD_Sheets\1162264-sh-11s-16d Prop.dgn

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DRAWN - MAA	REVISIONS -	
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PLOT DATE = 1/23/2018	DATE - 1/25/2018	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER OPTIC PLANS

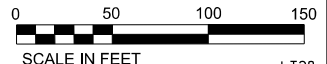
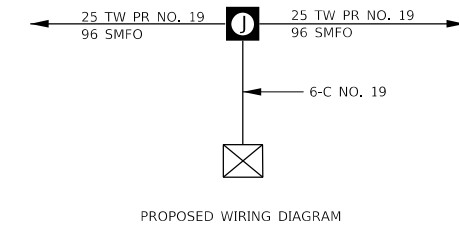
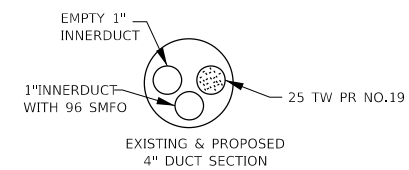
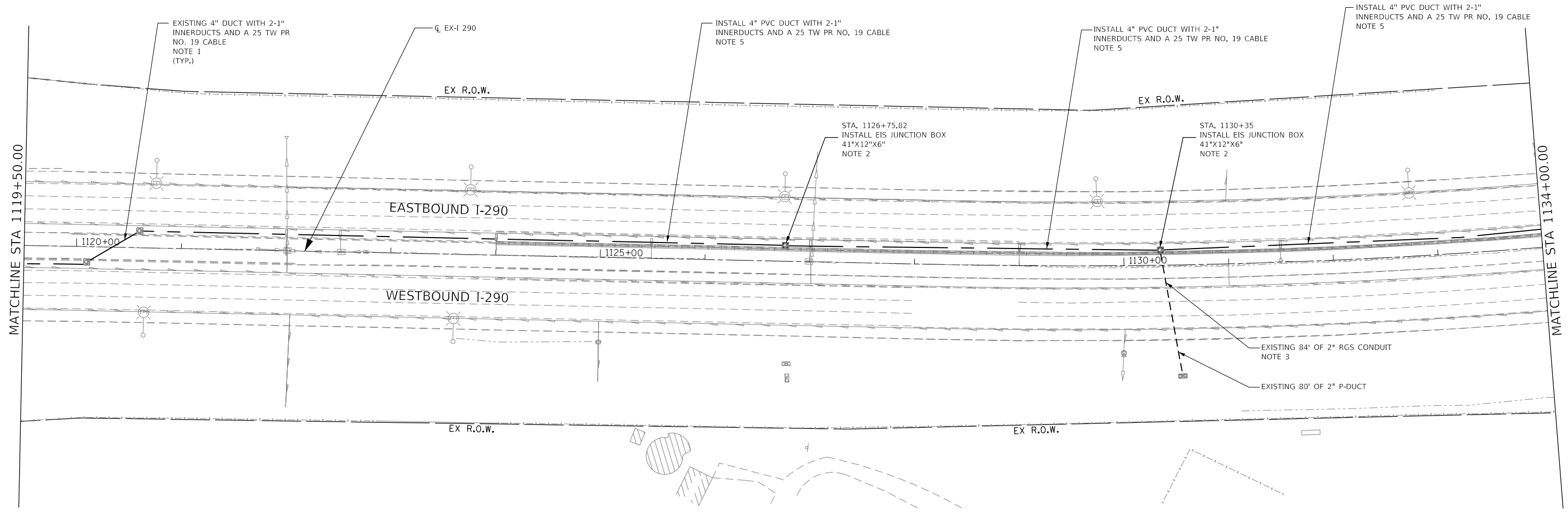
SCALE: 1"=50' SHEET NO. OF SHEETS STA. 1119+00 TO STA. 1134+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	147
CONTRACT NO. 62C24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LT27



- NOTES:
1. INSTALL NEW 96 STRAND SINGLE MODE FIBER OPTIC CABLE IN EMPTY INNERDUCT.
 2. INSTALL JUNCTION BOX WITH ACCESS DOOR ON EB SIDE.
 3. CONNECT THE EXISTING UNDERGROUND CONDUIT TO THE NEW JUNCTION BOX.
 4. INSTALL AND CONNECT 6-C NO. 19 CABLE TO PEDESTAL MOUNTED CABINET.
 5. INSTALL NEW 96 STRAND SINGLE MODE FIBER OPTIC CABLE IN NEW 1" INNERDUCT.



FILE NAME = K:\PROJECTS\Projects 2016\1-290 Over Salt Creek (PB)\CADD_Sheets\DI62C64-sh-113-16e Prop.dgn



GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 5035 N. NORTHWEST HIGHWAY
 SUITE 206
 CHICAGO, ILLINOIS 60630 TEL: 773-774-590

USER NAME = \$USER\$	DESIGNED - MAA	REVISED -
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PLOT SCALE = 100.0000' / 1" =	CHECKED - PV	REVISED -
PLOT DATE = 1/23/2018	DATE - 1/25/2018	REVISED -

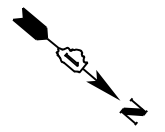
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER OPTIC PLANS

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 1119+00 TO STA. 1134+00

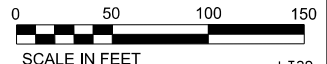
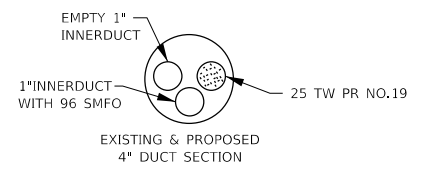
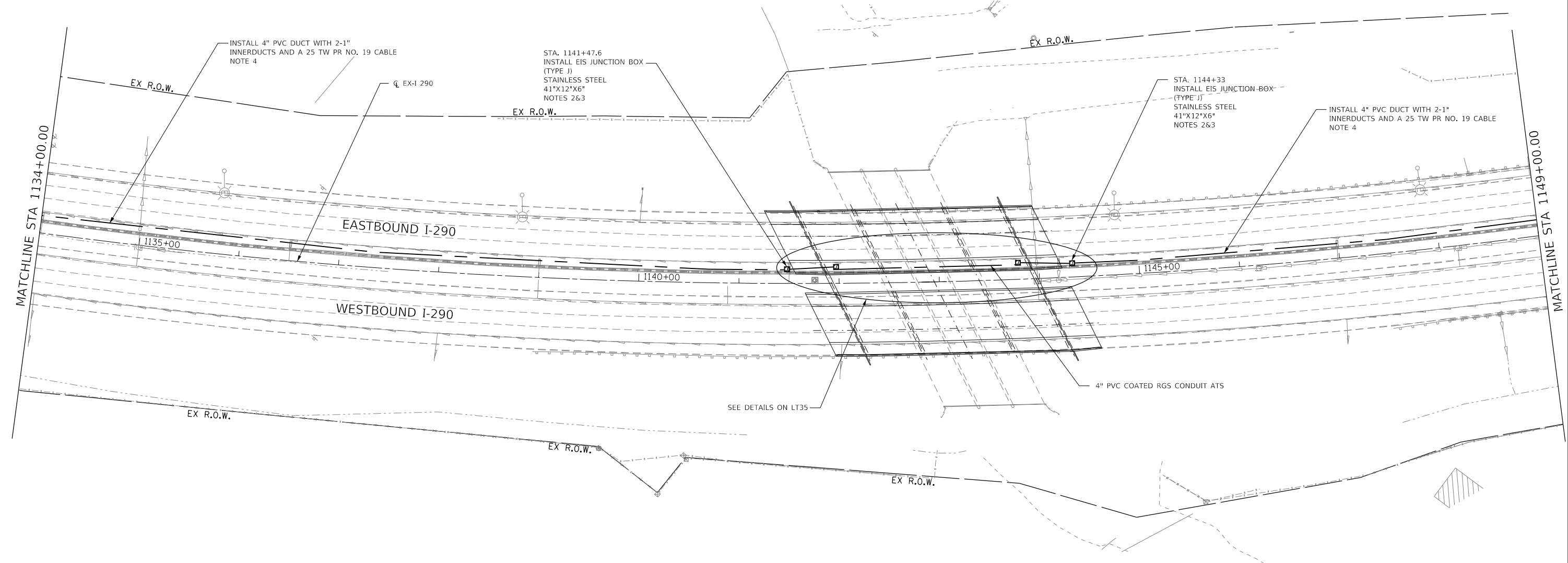
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B		402	148
CONTRACT NO. 62C24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LT28



NOTES:

1. INSTALL NEW 96 STRAND SINGLE MODE FIBER OPTIC CABLE IN EMPTY INNERDUCT.
2. INSTALL JUNCTION BOX WITH ACCESS DOOR ON EB SIDE.
3. JUNCTION SHALL BE PER THE SPECIFICATIONS FOR STAINLESS STEEL JUNCTION BOX EMBEDDED IN STRUCTURE.
4. INSTALL NEW 96 STRAND SINGLE MODE FIBER OPTIC CABLE IN NEW 1" INNERDUCT.



FILE NAME = K:\PROJECTS\Projects 2016\1-290 Over Salt Creek (PB)\CADD_Sheets\DI62C24-sh-t-1s-17 Prop.dgn

GA GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 5035 N. NORTHWEST HIGHWAY
 SUITE 306
 CHICAGO, ILLINOIS 60630 TEL: (773) 774-5900

USER NAME = \$USER\$	DESIGNED - MAA	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

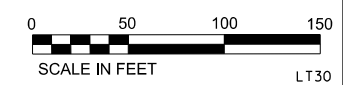
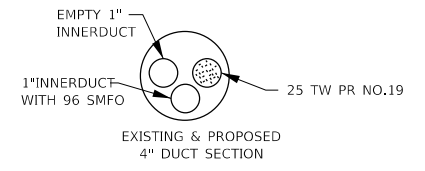
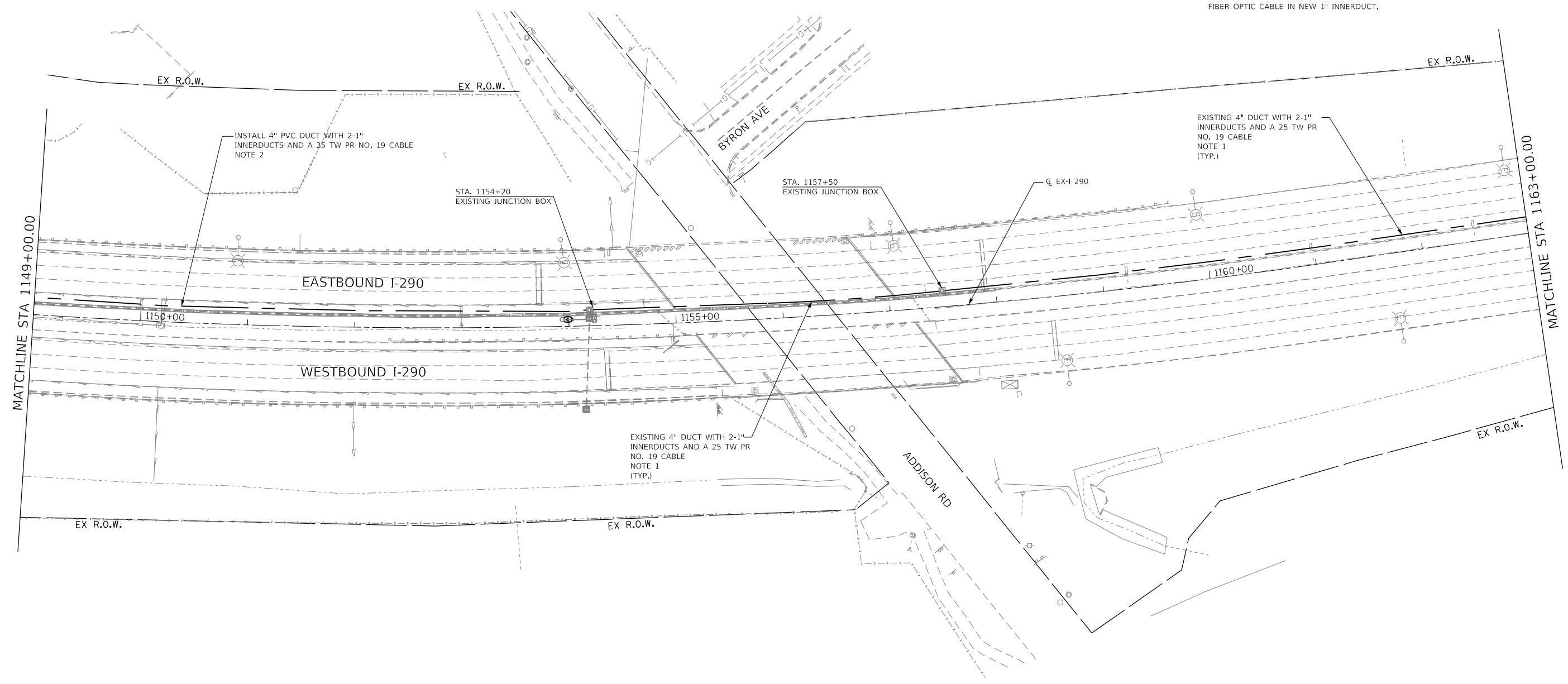
PROPOSED FIBER OPTIC PLANS			
SCALE: 1"=50'	SHEET NO.	OF SHEETS	STA. 1134+00 TO STA. 1149+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	149
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

LT29



- NOTES:
1. INSTALL NEW 96 STRAND SINGLE MODE FIBER OPTIC CABLE IN EMPTY INNERDUCT.
 2. INSTALL NEW 96 STRAND SINGLE MODE FIBER OPTIC CABLE IN NEW 1" INNERDUCT.



FILE NAME = K:\PROJECTS\Projects 2016\1-290 Over Salt Creek (PB)\CADD_Sheets\DI62C24-sh-15-18a Prop.dgn


GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 5035 N. NORTHWEST HIGHWAY
 SUITE 206
 CHICAGO, ILLINOIS 60630 TEL: 773.774.590

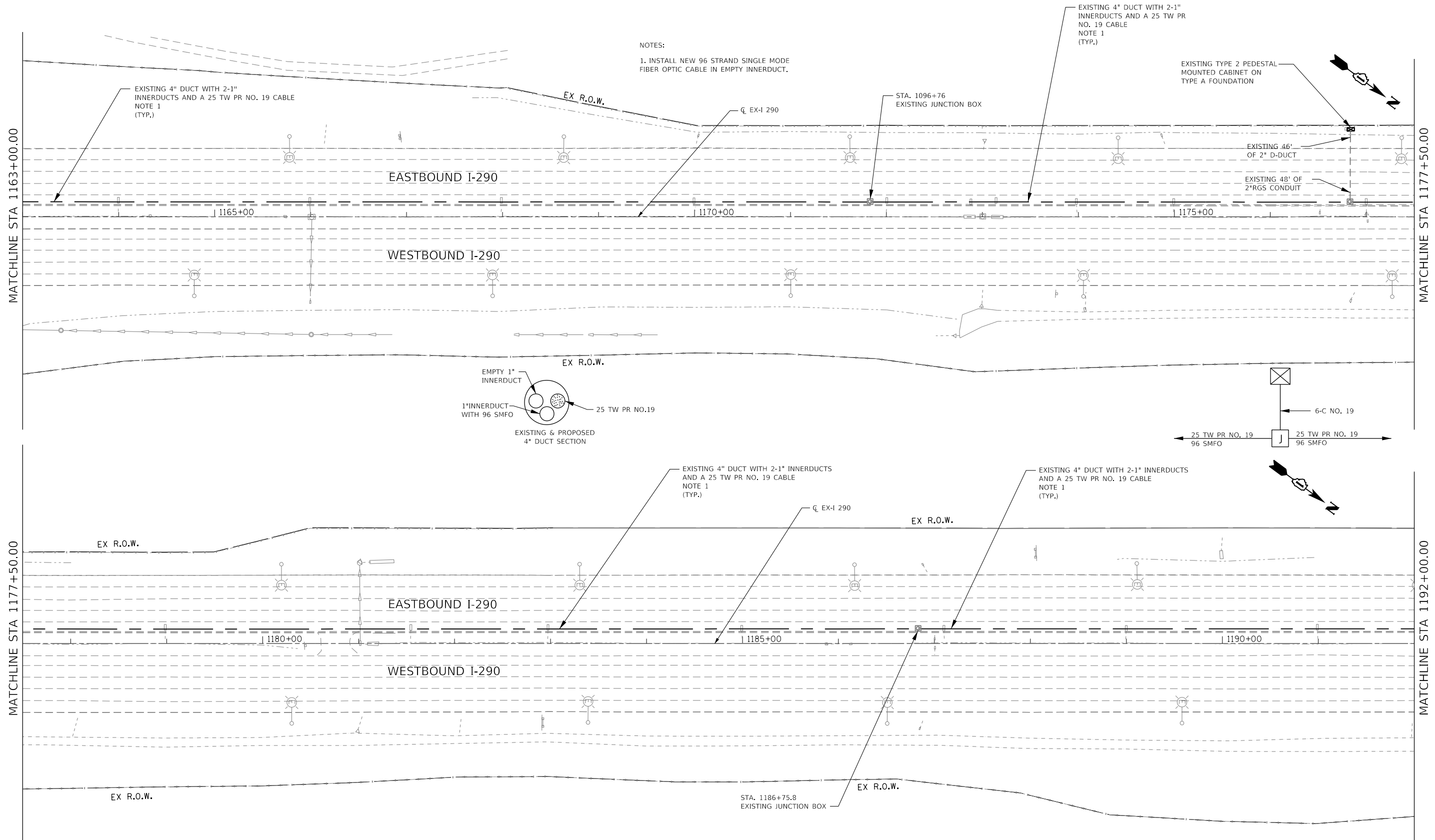
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PLOT DATE = 1/23/2018	DATE - 1/25/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

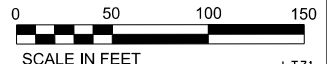
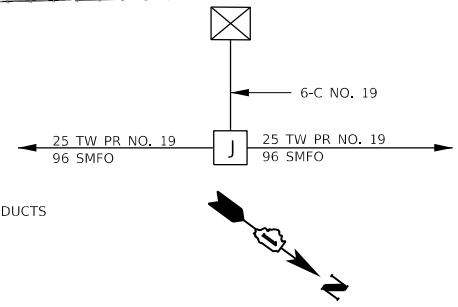
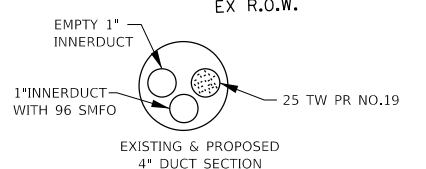
PROPOSED FIBER OPTIC PLANS
 SCALE: 1"=50' SHEET NO. OF SHEETS STA. 1149+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	150
CONTRACT NO. 62C24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LT30



NOTES:
 1. INSTALL NEW 96 STRAND SINGLE MODE FIBER OPTIC CABLE IN EMPTY INNERDUCT.



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

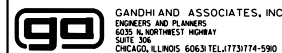
PROPOSED FIBER OPTIC PLANS

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 1149+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	151
CONTRACT NO. 62C24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LT31

FILE NAME = K:\PROJECTS\Projects 2016\1-290 Over Salt Creek (PB)\CADD_Sheets\162C24-sh-11s-1Bc-Prop.dgn



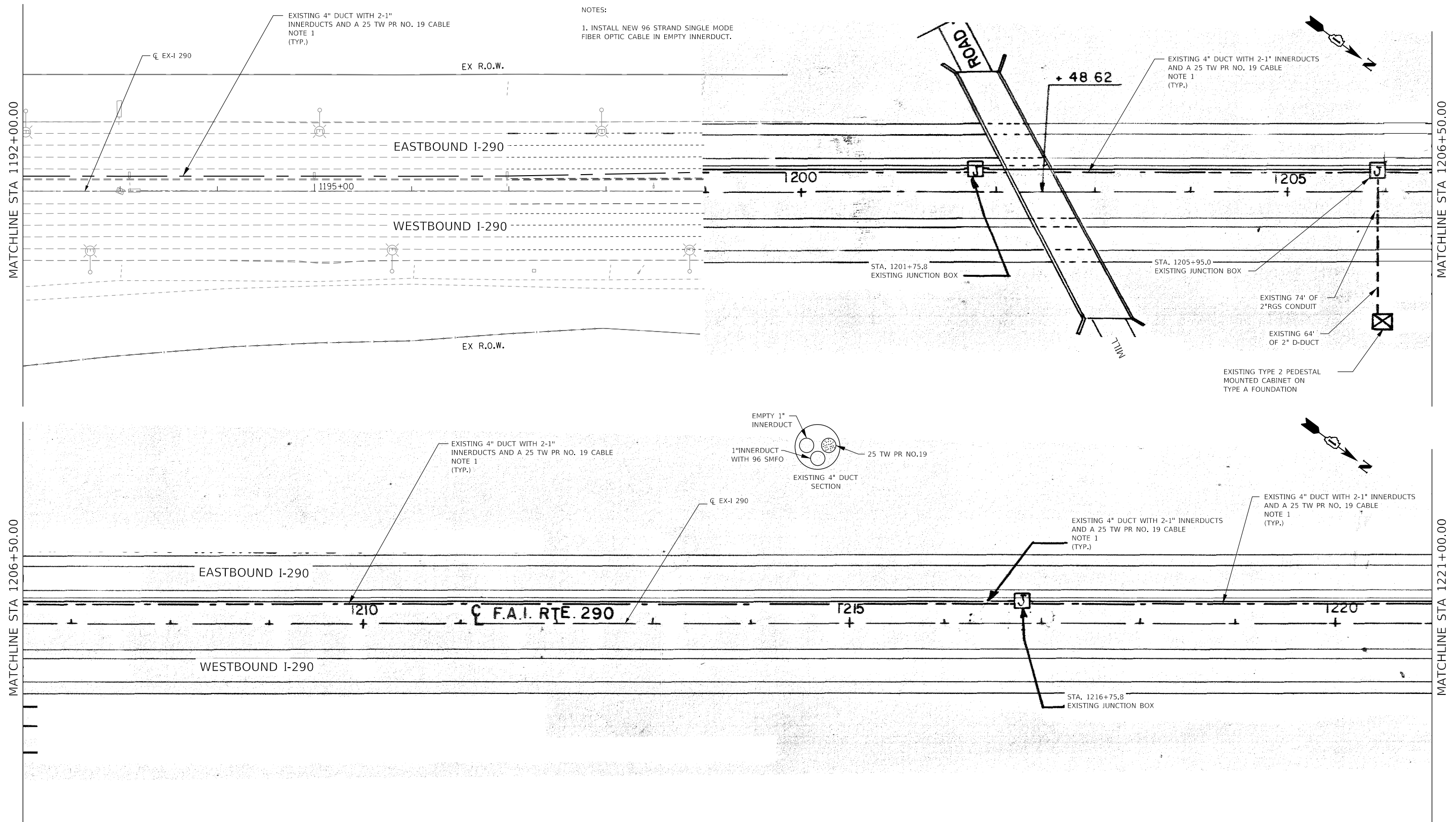
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PLOT DATE = 1/23/2018	DATE - 1/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED FIBER OPTIC PLANS

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 1149+00 TO STA.

F.A.I. RTE. 290	SECTION (22-1B-1)B	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 152
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	



NOTES:
1. INSTALL NEW 96 STRAND SINGLE MODE FIBER OPTIC CABLE IN EMPTY INNERDUCT.

EXISTING 4" DUCT WITH 2-1" INNERDUCTS AND A 25 TW PR NO. 19 CABLE NOTE 1 (TYP.)

EXISTING 4" DUCT WITH 2-1" INNERDUCTS AND A 25 TW PR NO. 19 CABLE NOTE 1 (TYP.)

EX R.O.W.

EASTBOUND I-290

WESTBOUND I-290

EX R.O.W.

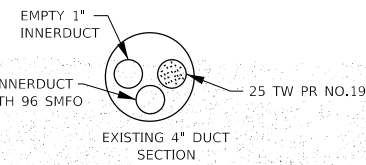
STA. 1201+75.8
EXISTING JUNCTION BOX

STA. 1205+95.0
EXISTING JUNCTION BOX

EXISTING 74' OF 2" RGS CONDUIT

EXISTING 64' OF 2" D-DUCT

EXISTING TYPE 2 PEDESTAL MOUNTED CABINET ON TYPE A FOUNDATION



EXISTING 4" DUCT WITH 2-1" INNERDUCTS AND A 25 TW PR NO. 19 CABLE NOTE 1 (TYP.)

EXISTING 4" DUCT WITH 2-1" INNERDUCTS AND A 25 TW PR NO. 19 CABLE NOTE 1 (TYP.)

EXISTING 4" DUCT WITH 2-1" INNERDUCTS AND A 25 TW PR NO. 19 CABLE NOTE 1 (TYP.)

EASTBOUND I-290

WESTBOUND I-290

F.A.I. RTE. 290

STA. 1216+75.8
EXISTING JUNCTION BOX

MATCHLINE STA 1221+00.00

MATCHLINE STA 1235+50.00

MATCHLINE STA 1235+50.00

MATCHLINE STA 1250+00.00

EASTBOUND I-290

WESTBOUND I-290

1225

1230

RTE. 290

1235

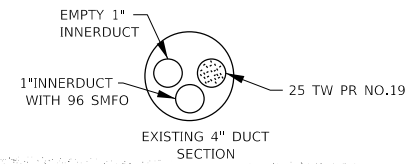
EXISTING 4" DUCT WITH 2-1" INNERDUCTS AND A 25 TW PR NO. 19 CABLE NOTE 1 (TYP.)

EX-1 290

NOTES:
1. INSTALL NEW 96 STRAND SINGLE MODE FIBER OPTIC CABLE IN EMPTY INNERDUCT.

EXISTING 4" DUCT WITH 2-1" INNERDUCTS AND A 25 TW PR NO. 19 CABLE NOTE 1 (TYP.)

STA. 1231+82.0
EXISTING JUNCTION BOX



EXISTING 4" DUCT WITH 2-1" INNERDUCTS AND A 25 TW PR NO. 19 CABLE NOTE 1 (TYP.)

EX-1 290

EASTBOUND I-290

WESTBOUND I-290

1240

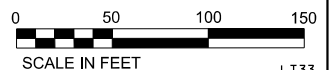
1245

EXISTING TYPE 2 PEDESTAL MOUNTED CABINET ON TYPE A FOUNDATION

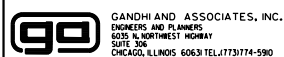
EXISTING 107' OF 2" D-DUCT

EXISTING 48' OF 2" RGS CONDUIT

STA. 1246+75.8
EXISTING JUNCTION BOX



FILE NAME = K:\PROJECTS\Projects 2016\I-290 Over Salt Creek (PB)\CADD_Sheets\162C64-sh-1s-1Bd Prop.dgn



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	DRAWN - MAA	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - PV	REVISED -
PLOT DATE = 1/23/2018	DATE - 1/25/2018	REVISED -

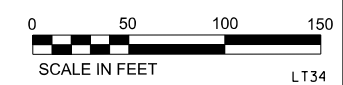
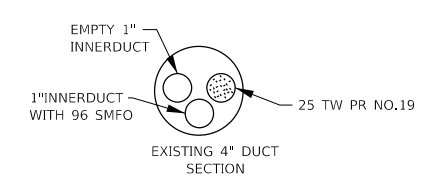
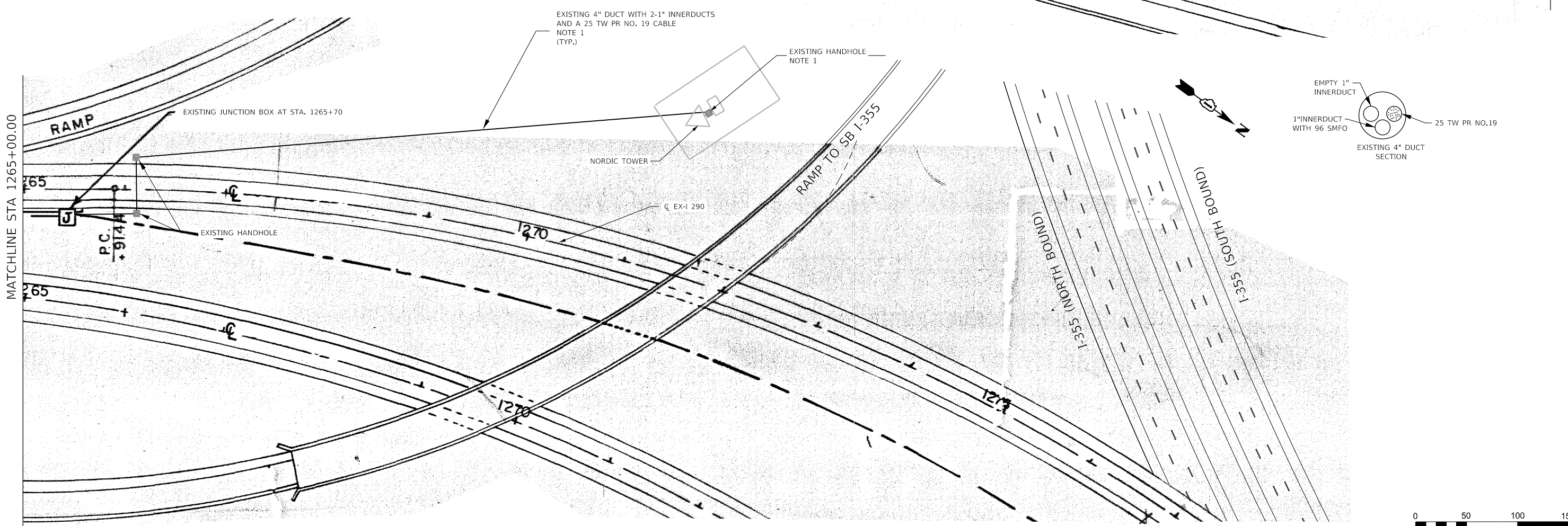
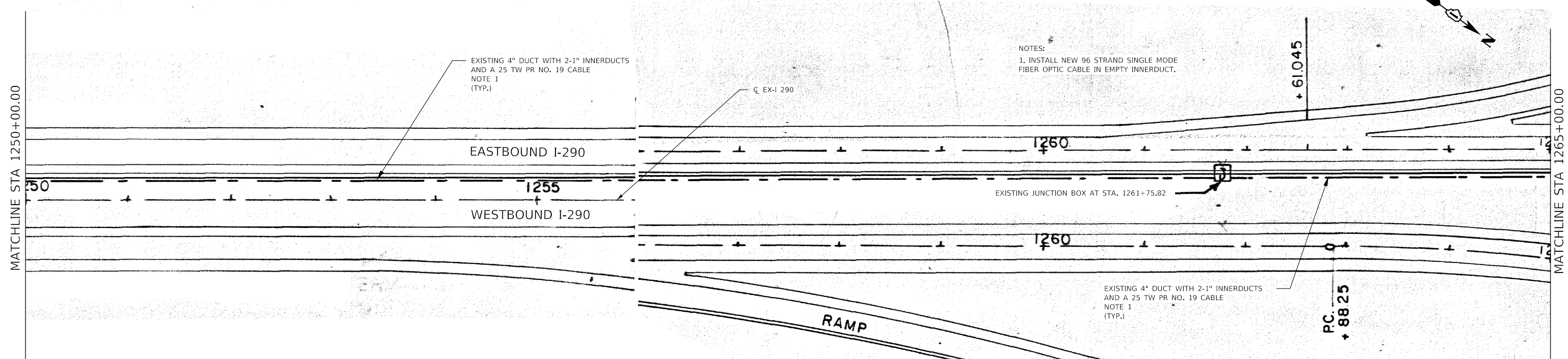
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER OPTIC PLANS

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 1149+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	153
CONTRACT NO. 62C24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LT33



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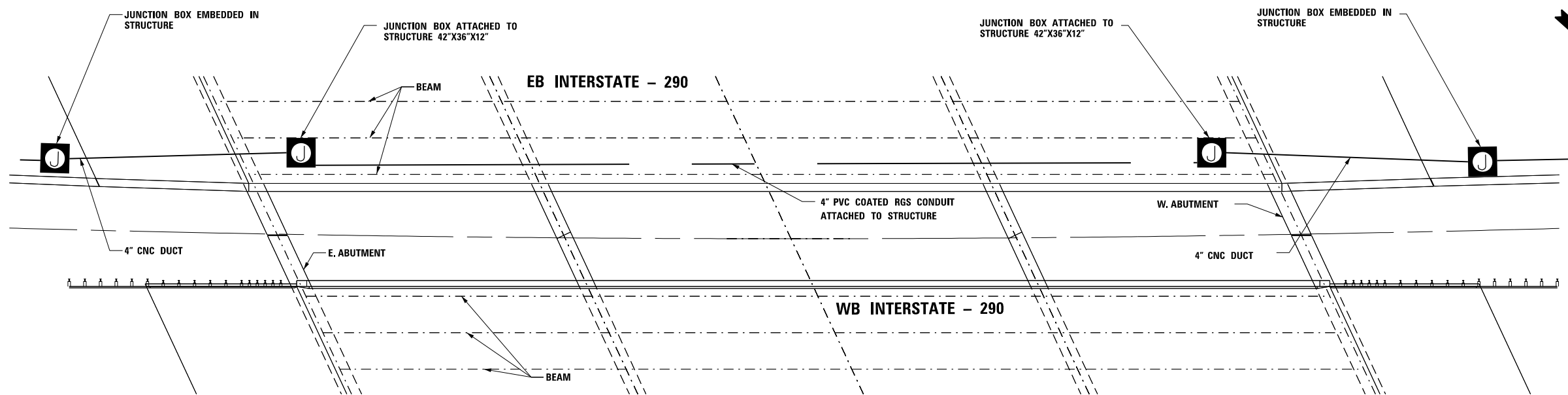
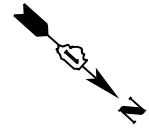
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	PLOT DATE = 1/23/2018	CHECKED - PV	REVISED -
	DATE = 1/25/2018	DATE - 1/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

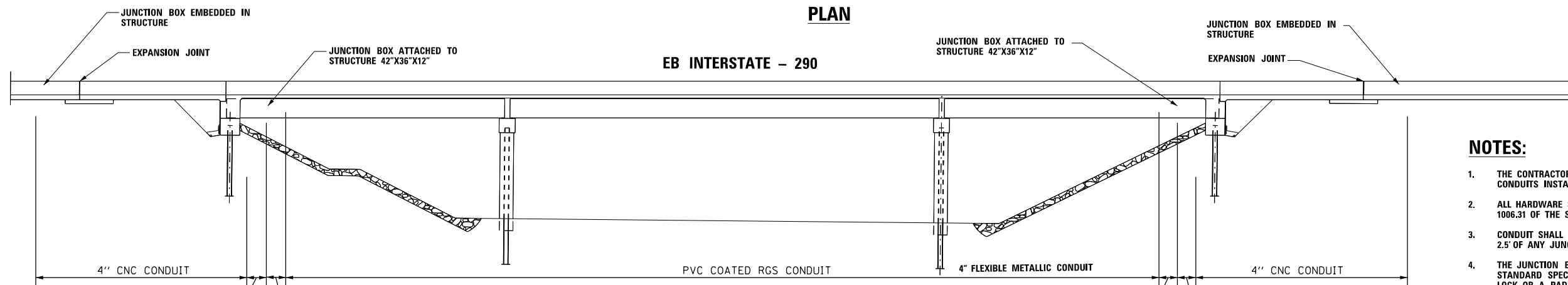
PROPOSED FIBER OPTIC PLANS			
SCALE: 1"=50'	SHEET NO.	OF	SHEETS
STA. 1250+00	TO	STA. 1277+00	

F.A.I. RTE. 290	SECTION (22-1B-1)B	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 154
CONTRACT NO. 62C24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LT34



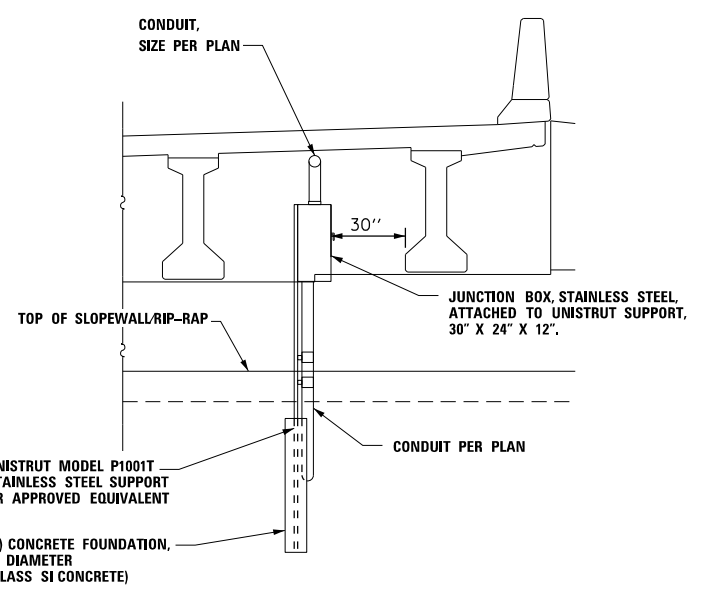
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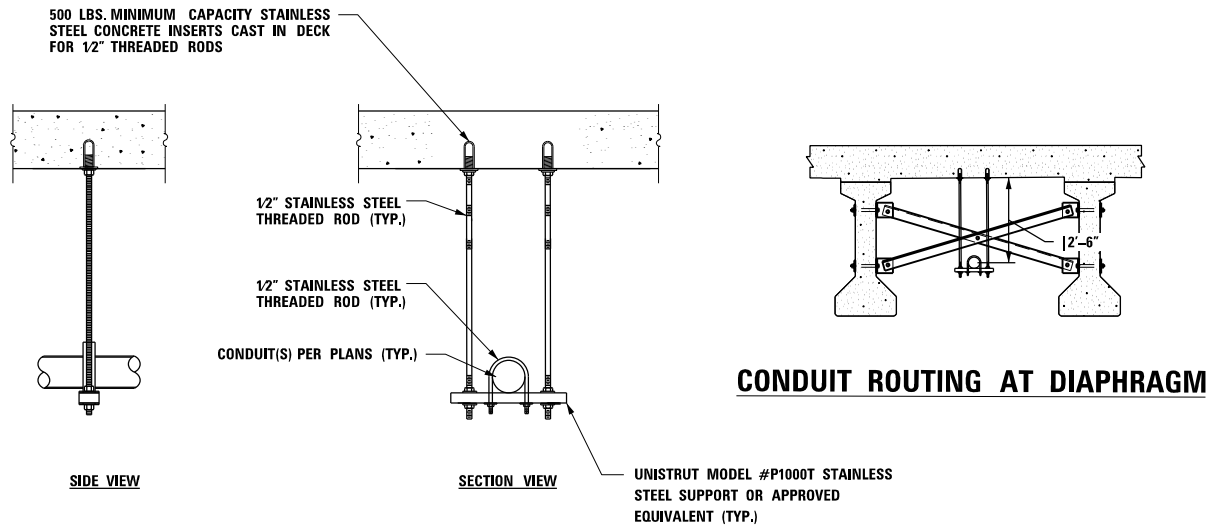
ELEVATION

NOTES:

1. THE CONTRACTOR SHALL FURNISH & INSTALL A PULL TAPE THROUGH ALL CONDUITS INSTALLED AS PART OF THIS WORK.
2. ALL HARDWARE SHALL BE STAINLESS STEEL IN ACCORDANCE WITH ARTICLE 1006.31 OF THE STANDARD SPECIFICATIONS.
3. CONDUIT SHALL BE SUPPORTED AT A MAXIMUM INTERVAL OF 5' AND WITHIN 2.5' OF ANY JUNCTION BOX, COUPLING/FITTING, OR CHANGE IN DIRECTION.
4. THE JUNCTION BOX SHALL MEET THE REQUIREMENTS OF ARTICLE 1088.04 OF THE STANDARD SPECIFICATIONS. A HINGED DOOR AND PROVISIONS FOR 3-POINT LOCK OR A PADLOCK ARE REQUIRED.
5. ABOVE GROUND FLEXIBLE CONDUIT SHALL BE LIMITED TO A MAXIMUM LENGTH OF 5'. THIS 5' SHALL INCLUDE 4" SLACK.
6. JUNCTION BOX SHALL BE LOCATED AT LEAST 24" FROM CROSS FRAMES.
7. ALL JUNCTION BOX MOUNTING MATERIAL (INCLUDING UNISTRUT AND FOUNDATION), STAINLESS STEEL CONDUIT, AND FLEXIBLE METALLIC CONDUIT SHALL BE INCIDENTAL TO THE JUNCTION BOX INSTALLATION.
8. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE LOCATION OF THE CONCRETE INSERTS WITH THE BRIDGE CONTRACTOR.
9. THE COST OF THE CONCRETE INSERTS SHALL BE INCLUDED IN THE COST OF CONDUIT ATTACHED TO STRUCTURE.
10. CONDUIT SHALL BE CENTERED BETWEEN THE BEAMS.
11. CONDUIT SHALL NOT COME INTO CONTACT WITH ANY BRACING OR OTHER STRUCTURAL MEMBERS.
12. PROVIDE 1" MINIMUM CLEARANCE TO ALL STRUCTURAL MEMBERS.



VIEW AT ABUTMENT - JUNCTION BOX ATTACHED TO STRUCTURE



CONDUIT HANGER

CONDUIT ROUTING AT DIAPHRAGM

FILE NAME: K:\PROJECTS\Projects 2016\1-290 Over Salt Creek (PB)\CADD_Sheets\162264-sh-11s-19 Prop.dgn



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PLOT SCALE = N.T.S. 1/16"	DRAWN - MAA	REVISED -
PLOT DATE = 1/23/2018	CHECKED - PV	REVISED -
	DATE - 1/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SURVEILLANCE DUCT CROSSING SALT CREEK DETAILS			
SCALE: N.T.S.	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	155
CONTRACT NO. 62C24				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

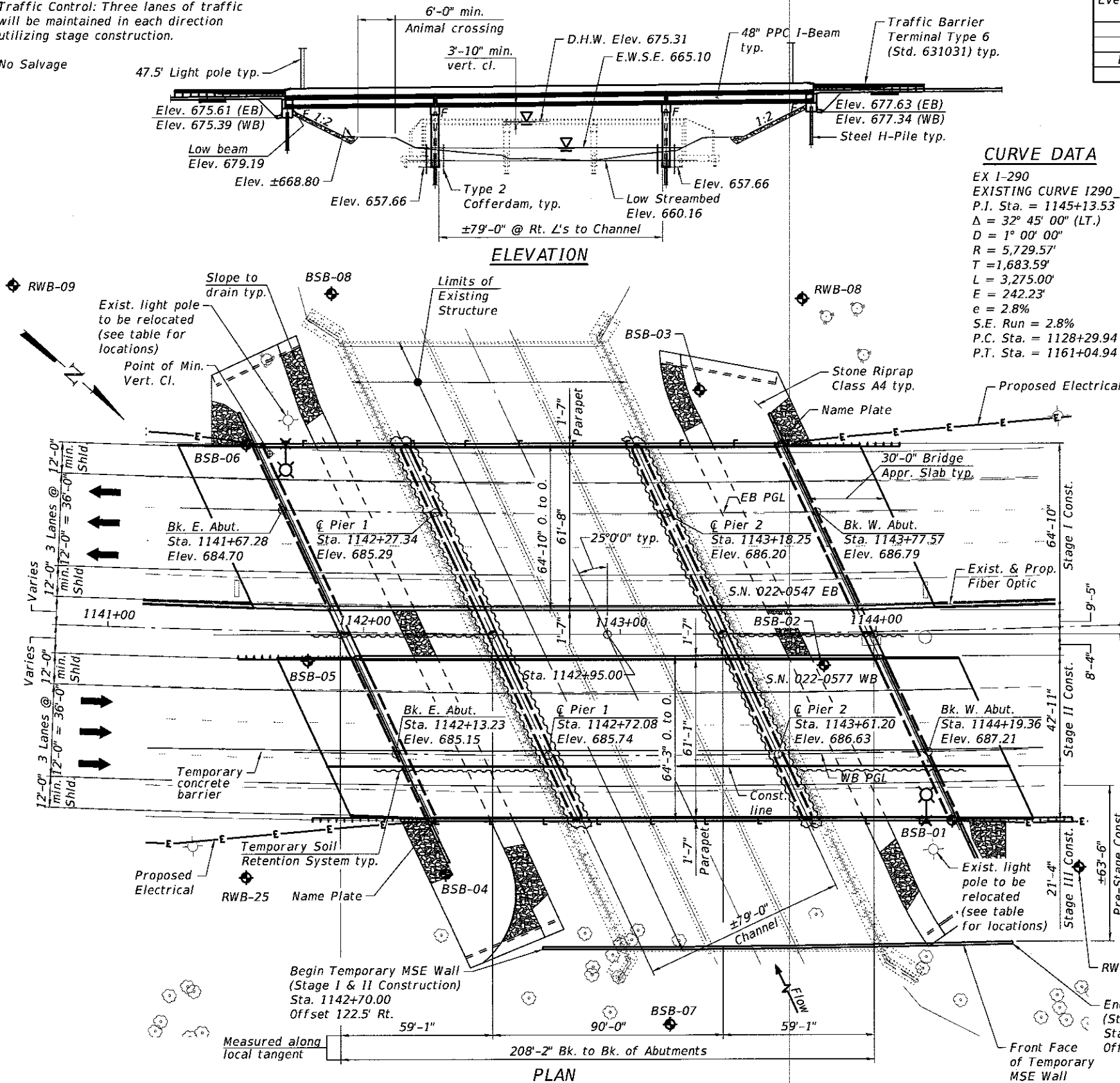
LT35

Bench Mark: #41 Square cut in SW wingwall S.N. 022-0103. Elev. 677.04.

Existing Structure: S.N. 022-0103 was originally built in 1970 as F.A.I. Route 90, Section 22-1B-1. The roadway was later renamed I-290. The existing structure consists of 3 simple span PPC box beam superstructures supported on reinforced concrete closed abutments founded on concrete piles and two reinforced concrete solid wall piers founded on steel piles. The existing bridge has an overall length of 102'-3 1/2" and an out-to-out width of 237'-0". The I-290 westbound and eastbound roadways sit on earth fill varying in height up to 10' placed on the PPC box beams. The existing bridge is to be removed and replaced.

Traffic Control: Three lanes of traffic will be maintained in each direction utilizing stage construction.

No Salvage



DESIGN SCOUR ELEVATION TABLE

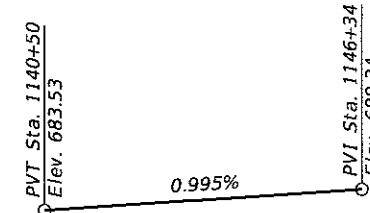
Event / Limit	Design Scour Elevations (ft.)				Item 113
	E. Abut.	Pier 1	Pier 2	W. Abut.	
Q100	675.50	653.20	653.20	677.50	5
Q200	675.50	651.50	651.50	677.50	
Design	675.50	653.20	653.20	677.50	
Check	675.50	651.50	651.50	677.50	

CURVE DATA

EX I-290
 EXISTING CURVE I290_E_6
 P.I. Sta. = 1145+13.53
 Δ = 32° 45' 00" (LT.)
 D = 1° 00' 00"
 T = 1,683.59'
 L = 3,275.00'
 E = 242.23'
 e = 2.8%
 S.E. Run = 2.8%
 P.C. Sta. = 1128+29.94
 P.T. Sta. = 1161+04.94

PROFILE GRADE

(Along EB PGL and WB PGL)



DESIGN SPECIFICATIONS

2014 AASHTO LRFD Bridge Design Specifications, 7th Edition with 2015 & 2016 Interim Revisions

LOADING HL-93

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

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
 f'c = 4,000 psi (Superstructure Concrete)
 fy = 60,000 psi (Reinforcement)

PRECAST PRESTRESSED UNITS

f'c = 6,000 psi
 fci = 5,000 psi
 fpu = 270,000 psi (1/2" Ø low lax strands)
 fpbt = 201,960 psi (1/2" Ø low lax strands)

LIGHTWEIGHT CELLULAR CONCRETE FILL

Class IV (District 1)
 Maximum As-Cast Density = 36-42 pcf
 f'c = 120 psi

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
 Design Spectral Acceleration at 1.0 sec. (SD1) = 0.086
 Design Spectral Acceleration at 0.2 sec. (SDS) = 0.151
 Soil Site Class = D

WATERWAY INFORMATION

Drainage Area = 77.1 Sq. Mi. Low Grade Elev. 680.20 @ Sta. 1130+75

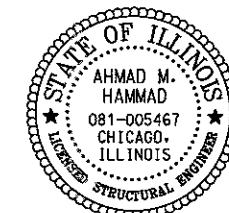
Flood	Freq. Yr.	Q C.F.S.	Opening Ft ²		Head - Ft.		Headwater El.		
			Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	
Design	10	2,139	1,028	1,372	673.94	0.29	0.07	674.23	674.01
Base	50	3,100	1,044	1,570	675.31	0.89	0.11	676.20	675.42
Overtopping	100	3,587	1,044	1,646	675.82	1.17	0.13	676.99	675.95
Max. Calc.	>500	4,800	1,044	1,809	676.90	2.04	0.17	678.94	677.07

10-Yr. Velocity through Existing Structure = 2.3 fps
 10-Yr. Velocity through Proposed Structure = 1.6 fps
 2-Yr. Q = 980 C.F.S.

LIGHT POLE LOCATIONS

Station	Offset
1141+68.00	72.86' Lt.
1144+18.00	73.92' Rt.

Note: See sheet 3 of 70 for Slope Wall Details.



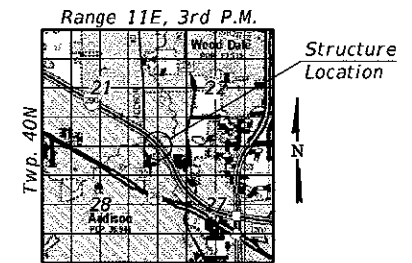
Signed AHMAD M. HAMMAD, S.E.* IL. Lic. No. 081-005467 Expires 11-30-2018.

Date 1/22/2018

APPROVED

For Structural Adequacy Only

Engineer of Bridges & Structures



LOCATION SKETCH

GENERAL PLAN & ELEVATION

I-290 OVER SALT CREEK

F.A.I. RTE. 290 - SECTION (22-1B-1)B

DUPAGE COUNTY

STATION 1142+95

STRUCTURE NO. 022-0547 EB

STRUCTURE NO. 022-0577 WB



USER NAME =	DESIGNED -	REVISIONS
pateld	P.J.L.	
	CHECKED - AH	REVISIONS
	DRAWN - DCP	REVISIONS
	CHECKED - AH	REVISIONS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	156

CONTRACT NO. 62C24
 ILLINOIS FED. AID PROJECT

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GENERAL NOTES:

- Reinforcement bars designated (E) shall be epoxy coated.
- Concrete Sealer shall be applied to the designated areas of the abutments, wingwalls and piers.
- Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure. The Contractor shall sawcut the upper portion of the existing abutment at the stage removal line before Stage I or II removal to ensure the remaining portion will not be prematurely damaged.
- The Contractor shall retain the services of an engineering firm, prequalified in the IDOT consultant selection category of Highway Bridges-Typical, for preparation of Structural Assessment Report(s). Contractor's pre-approval shall not be applicable for this project. See Special Provisions.

Current Ratings on File for Existing Structure

Inventory: HS-13.8
 Operating: HS-39.2
 Live Load Restrictions: No

Inventory and Operating Ratings and Live Load Restrictions are provided for information only. Inventory and Operating Ratings are based on HS loading and configuration. Live Load Restrictions are based on Illinois legal loads and configurations. The Ratings and Live Load Restrictions are not necessarily representative of capacities to support the Contractor's equipment.

The Contractor is advised that the existing structure contains members that are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the existing structure when developing construction procedures for the complete or partial removal, or replacement of the structure. An Existing Structure Information Package is available upon request as noted in the special provisions.

The Contractor is advised that Beams 12 & 74 of Span 1; Beams 1, 52, 70, 71 & 78 in Span 2; Beams 2, 4, 7, 12, 29, 31, 59, 62, 68, 70, 71 & 79 in Span 3 are in critical condition. Spans are numbered from east to west. Beams are numbered from south to north.

INDEX OF SHEETS

- General Plan and Elevation
- General Data I
- General Data II
- Footing Layout
- Stage Construction Details
- Temporary Soil Retention System
- Temporary MSE Wall
- Temporary MSE Wall Details
- Existing Structure Removal Details I
- Existing Structure Removal Details II
- Temporary Concrete Barrier for Stage Construction
- Top of Slab Elevation Plan EB
- Top of Slab Elevations EB I
- Top of Slab Elevations EB II
- Top of Slab Elevations EB III
- Top of Slab Elevations EB IV
- Top of Slab Elevation Plan WB
- Top of Slab Elevations WB I
- Top of Slab Elevations WB II
- Top of Slab Elevations WB III
- Top of Slab Elevations WB IV
- Top of East Approach Slab Elevations EB
- Top of West Approach Slab Elevations EB
- Top of East Approach Slab Elevations WB
- Top of West Approach Slab Elevations WB
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- Superstructure WB
- Parapet Details EB
- Parapet Details WB
- Superstructure Details I
- Superstructure Details II
- Prestressed Integral Abutment Diaphragm
- Prestressed Fixed Pier Diaphragm
- Bridge Approach Slab Details I
- Bridge Approach Slab Details II
- Bridge Approach Slab Details III
- Bridge Approach Slab Details IV
- Bridge Approach Slab Details V
- Bridge Approach Slab Details VI
- Framing Plan EB
- Framing Plan WB
- 48" PPC I-Beam Spans 1 & 3
- 48" PPC I-Beam Span 2
- 48" PPC I-Beam Details I
- 48" PPC I-Beam Details II
- E. Abutment WB
- E. Abutment EB
- Pier 1 EB
- Pier 1 WB
- Pier 1 Details
- Pier 2 EB
- Pier 2 WB
- Pier 2 Details
- W. Abutment EB
- W. Abutment WB
- Abutment Details I
- Abutment Details II
- HP Pile Details
- Bar Splicer Assembly and Mechanical Splicer Details
- Concrete Parapet Slipforming Option
- Boring Logs I
- Boring Logs II
- Boring Logs III
- Boring Logs IV
- Boring Logs V
- Boring Logs VI
- Boring Logs VII
- Boring Logs VIII
- Boring Logs IX
- Boring Logs X

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq. Yd.	-	2,000	2,000
Filter Fabric	Sq. Yd.	-	2,000	2,000
Removal of Existing Structures	Each	-	1	1
Structure Excavation	Cu. Yd.	-	835	835
Cofferdam Excavation	Cu. Yd.	-	582	582
Cofferdam (Type 2) (Location - 1)	Each	-	1	1
Cofferdam (Type 2) (Location - 2)	Each	-	1	1
Concrete Structures	Cu. Yd.	-	1,032.2	1,032.2
Concrete Superstructure	Cu. Yd.	1,062.1	-	1,062.1
Bridge Deck Grooving	Sq. Yd.	3,521	-	3,521
Protective Coat	Sq. Yd.	4,084	-	4,084
Concrete Superstructure (Approach Slab)	Cu. Yd.	352.1	-	352.1
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 48 in.	Foot	3,658	-	3,658
Reinforcement Bars, Epoxy Coated	Pound	360,760	90,320	451,080
Bar Splicers	Each	913	126	1,039
Furnishing Steel Piles HP12x53	Foot	-	3,401	3,401
Furnishing Steel Piles HP14x89	Foot	-	5,363	5,363
Driving Piles	Foot	-	8,764	8,764
Test Pile Steel HP12x53	Each	-	2	2
Test Pile Steel HP14x89	Each	-	2	2
Pile Shoes	Each	-	108	108
Name Plates	Each	2	-	2
Temporary Soil Retention System	Sq. Ft.	-	1,656	1,656
Temporary Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	-	1,600	1,600
Concrete Sealer	Sq. Ft.	-	1,032	1,032
Geocomposite Wall Drain	Sq. Yd.	-	321	321
Pipe Underdrains for Structures 4"	Foot	-	387	387
Lightweight Cellular Concrete Fill	Cu. Yd.	-	906	906
Granular Backfill for Structures	Cu. Yd.	-	625	625

STATION 1142+95
 BUILT 20- - BY
 STATE OF ILLINOIS
 LOADING HL-93
 F.A.I. RTE. 290 SEC. (22-1B-1)B
 STRUCTURE NO. 022-0547 EB

STATION 1142+95
 BUILT 20- - BY
 STATE OF ILLINOIS
 LOADING HL-93
 F.A.I. RTE. 290 SEC. (22-1B-1)B
 STRUCTURE NO. 022-0577 WB

NAME PLATES
 See Std. 515001

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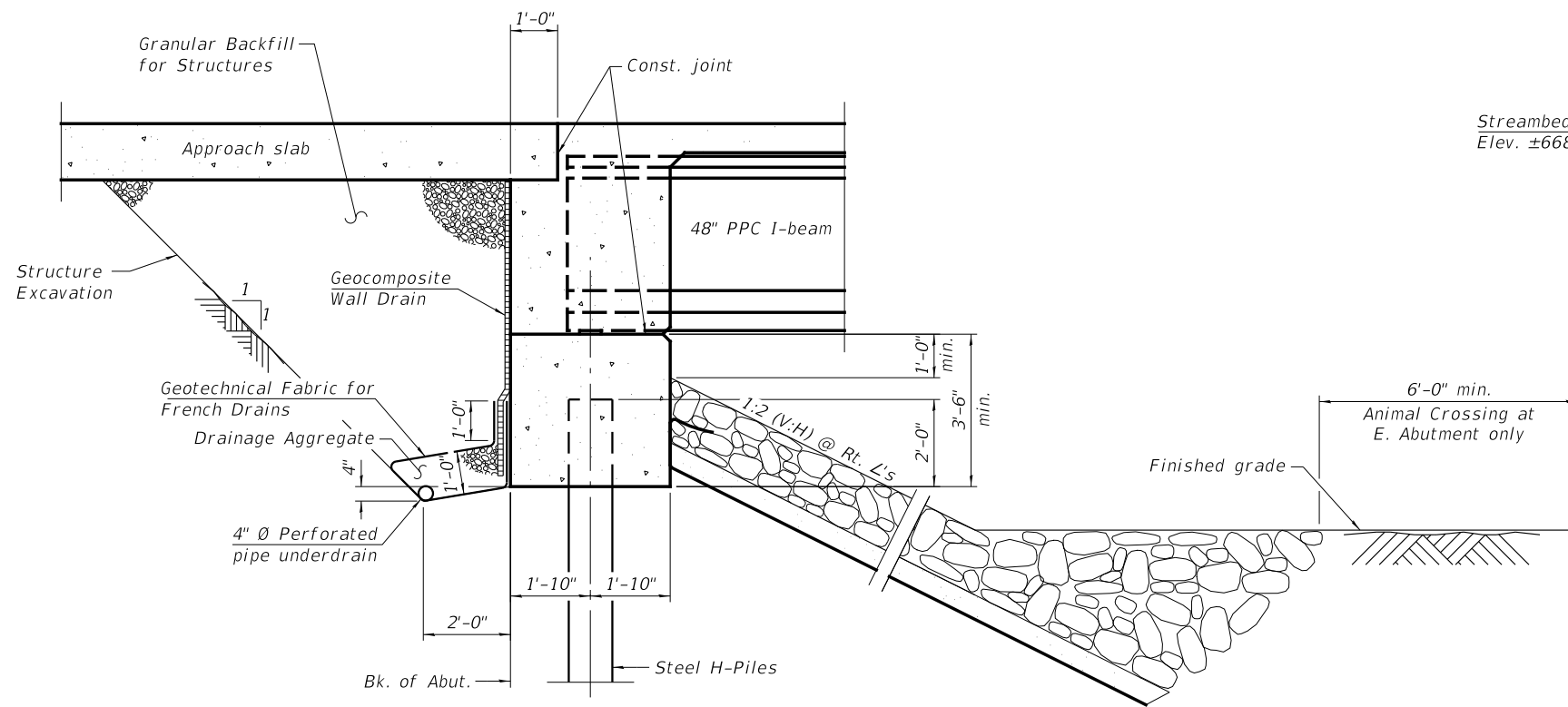


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PLOT DATE = 12/15/2017	CHECKED - AH	REVISED -

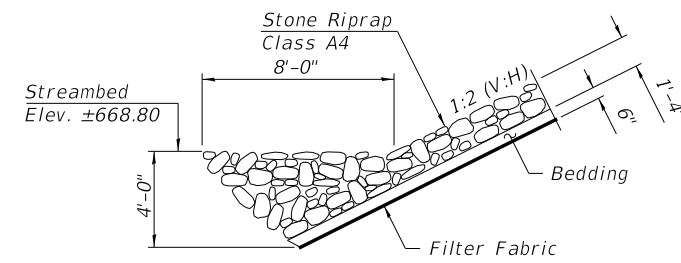
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA I
 STRUCTURE NO. 022-0547 EB & 022-0577 WB**

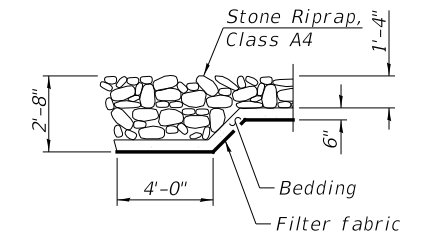
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CONTRACT NO. 62C24				
SHEET NO. 2 OF 70 SHEETS				
ILLINOIS FED. AID PROJECT				



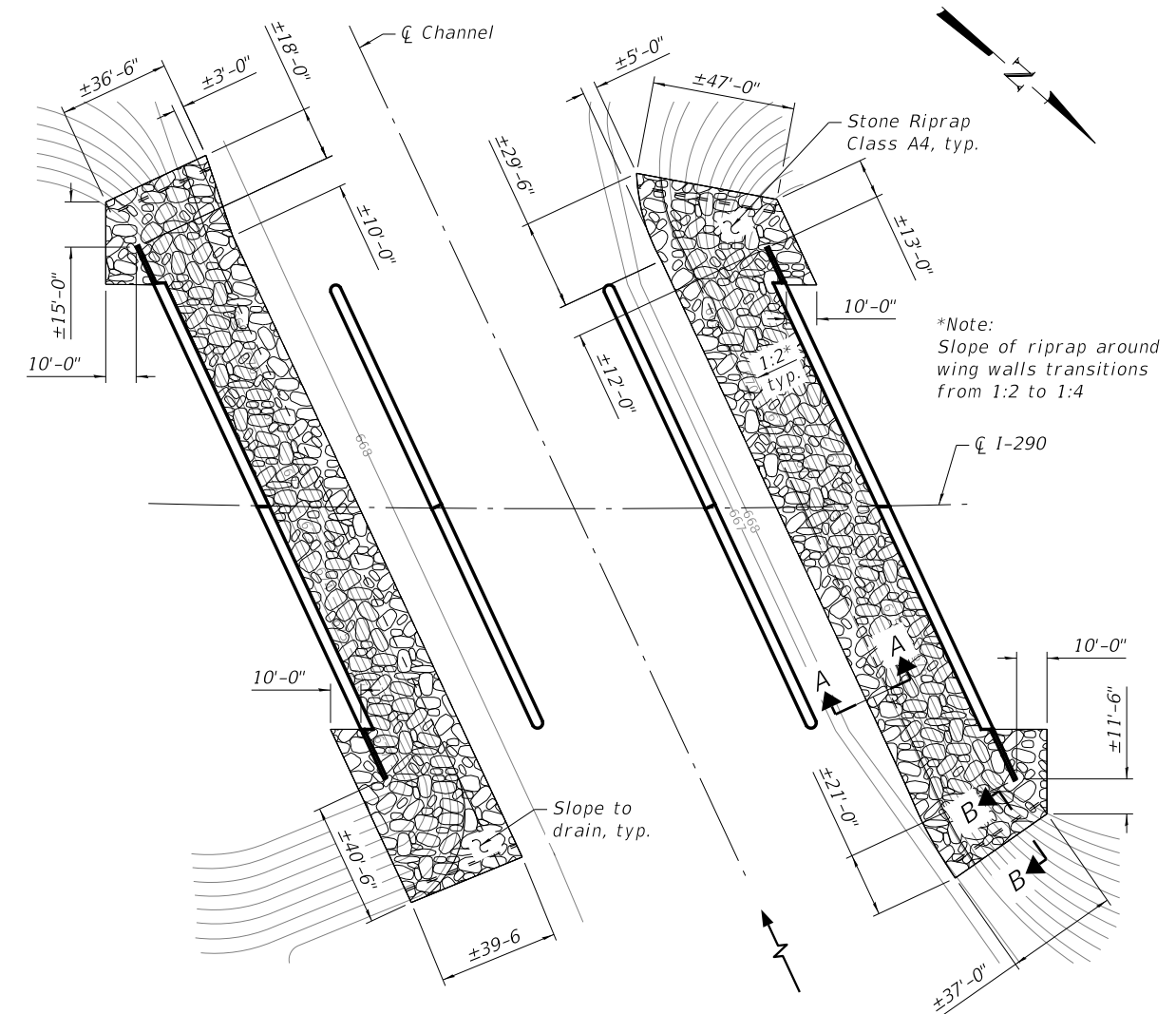
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(Horiz. dim. @ Rt. L's)



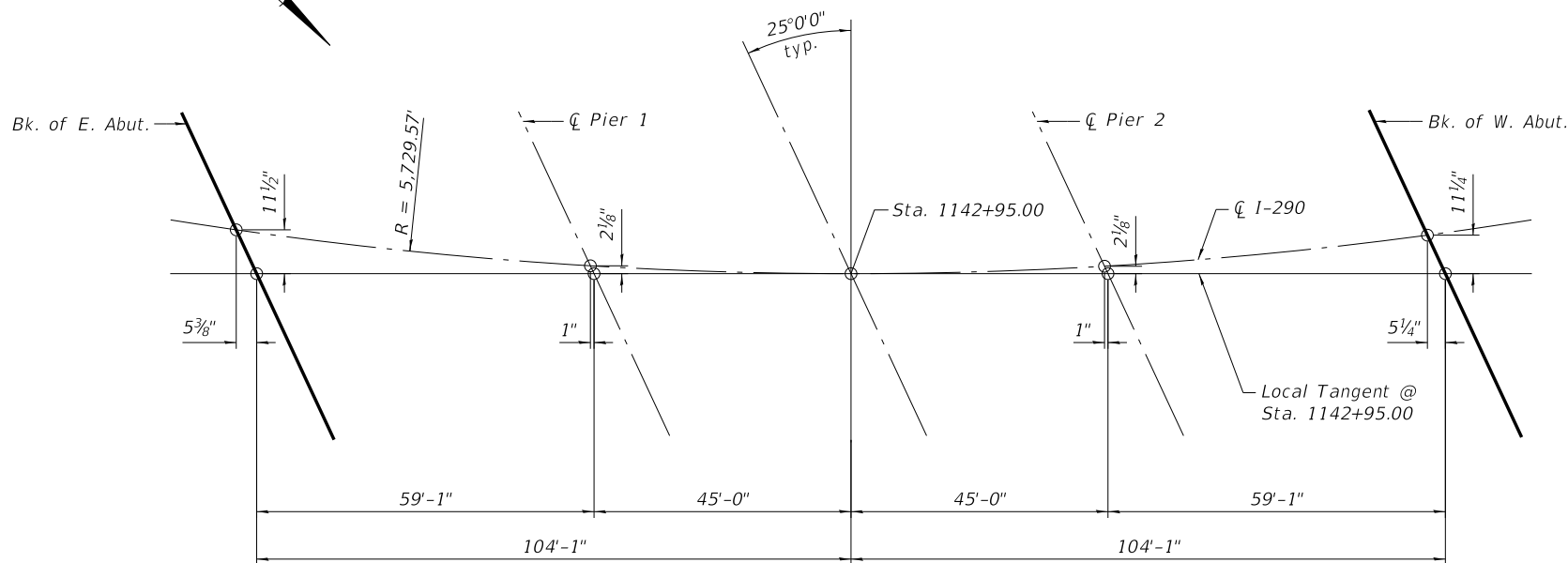
SECTION A-A



SECTION B-B



SLOPEWALL DETAILS
(See Grading Plan for additional details)



OFFSET SKETCH

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WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8180
FAX: (312) 782-1884

USER NAME = pateld
PLOT SCALE = N.T.S.
PLOT DATE = 12/15/2017

DESIGNED - P.J.L.
CHECKED - AH
DRAWN - DCP
CHECKED - AH

REVISED -
REVISED -
REVISED -
REVISED -

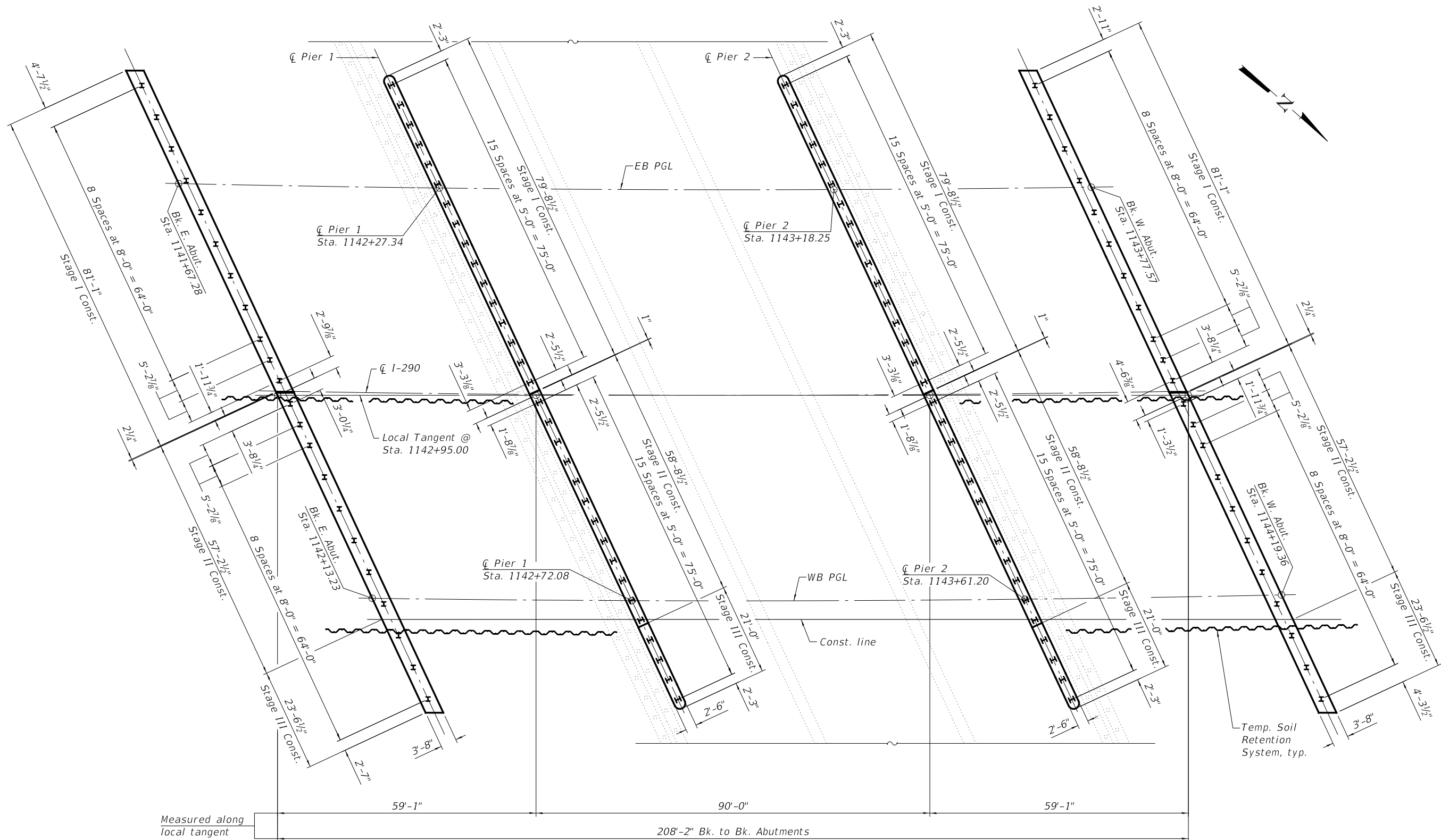
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA II
STRUCTURE NO. 022-0547 EB & 022-0577 WB**

SHEET NO. 3 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	158
CONTRACT NO. 62C24				

ILLINOIS FED. AID PROJECT



PLAN

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WSP USA Inc.
30 N. LASALLE STREET
SUITE 400
CHICAGO, IL 60602
TEL: (312) 782-8180
FAX: (312) 782-1884

USER NAME =	patfeld
PLOT SCALE =	N.T.S.
PLOT DATE =	12/15/2017

DESIGNED -	PJL
CHECKED -	AH
DRAWN -	DCP
CHECKED -	AH

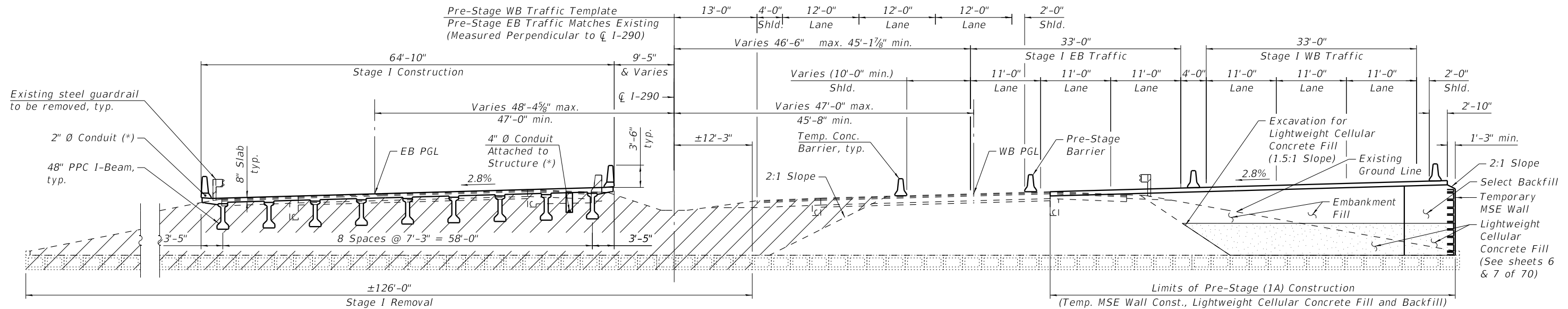
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REVISED -	
REVISED -	
REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOOTING LAYOUT
STRUCTURE NO. 022-0547 EB & 022-0577 WB

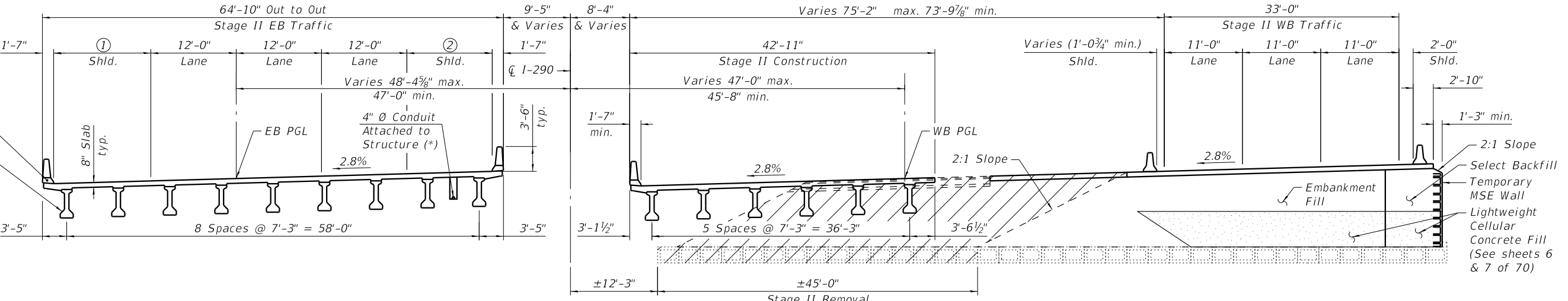
SHEET NO. 4 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	159
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				



CROSS SECTION - STAGE I (2A-2)
(Looking West)

* Existing buried electrical conduits and fiber optic cable in barrier to be maintained and relocated during construction to conduit in barrier and to conduit attached to structure, respectively. See Electrical Plans.



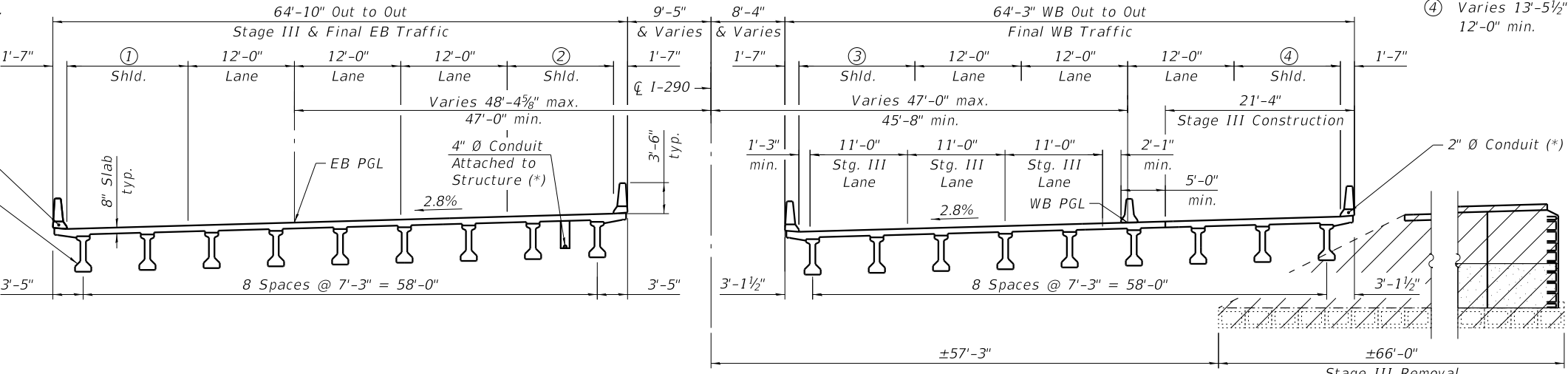
CROSS SECTION - STAGE II (2B)
(Looking West)

① Varies 13'-2 7/8" max. 12'-0" min.

② Varies 13'-0 1/4" max. 12'-0" min.

③ Varies 13'-1" max. 12'-0" min.

④ Varies 13'-5 1/2" max. 12'-0" min.



CROSS SECTION - STAGE III (2C)
(Looking West)

Notes:
All horizontal dimensions are measured perpendicular to \bar{C} 1-290 at Sta. 1142+95.00, unless noted otherwise.
See sheets 7 & 8 of 70 for Temporary MSE Wall Details.
Stage removal lines are different for superstructure and substructure. See sheets 9 & 10 of 70 for Existing Structure Removal.
See sheet 11 of 70 for Temporary Concrete Barrier. For quantity of Temporary Concrete Barrier, see Roadway Plans.

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PLOT SCALE = N.T.S.	CHECKED - AH	REVISED -
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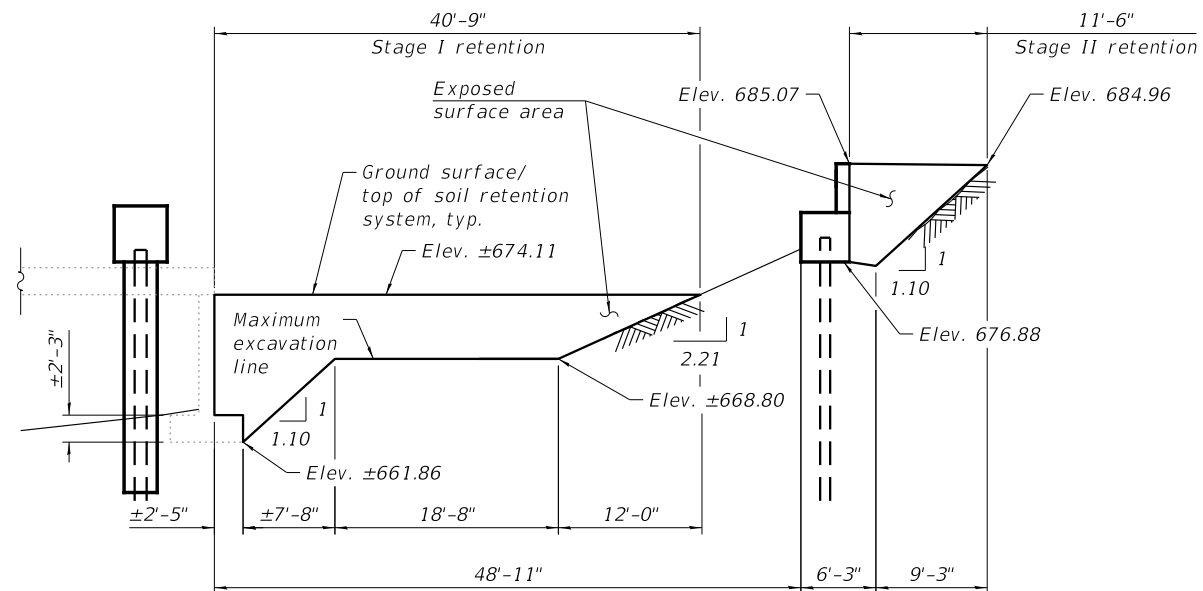
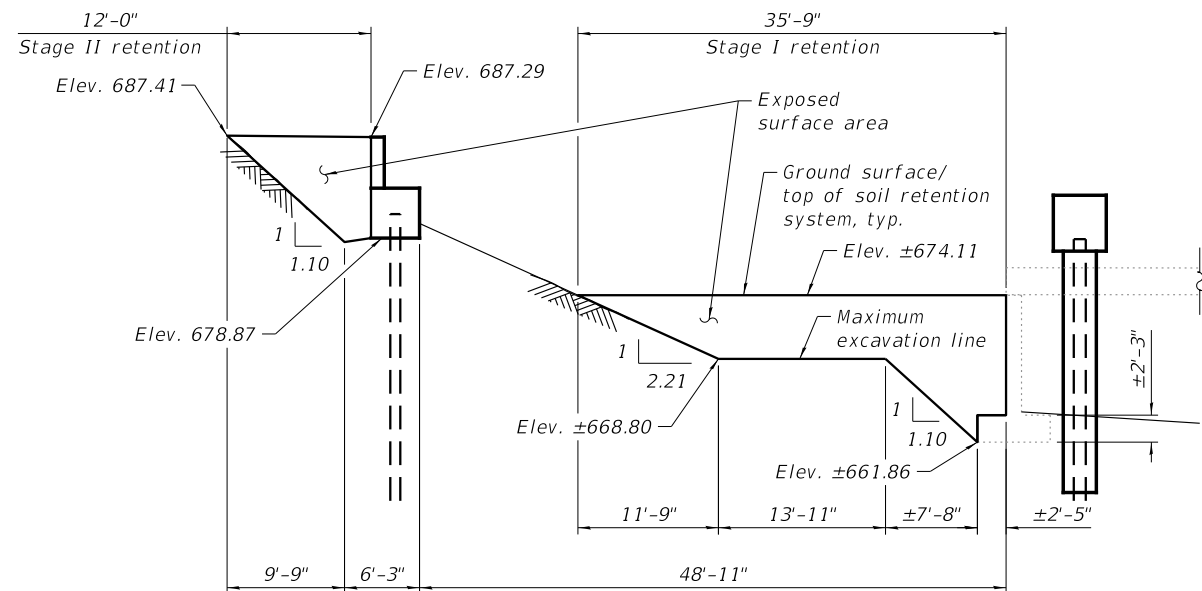
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 022-0547 EB & 022-0577 WB**

SHEET NO. 5 OF 70 SHEETS

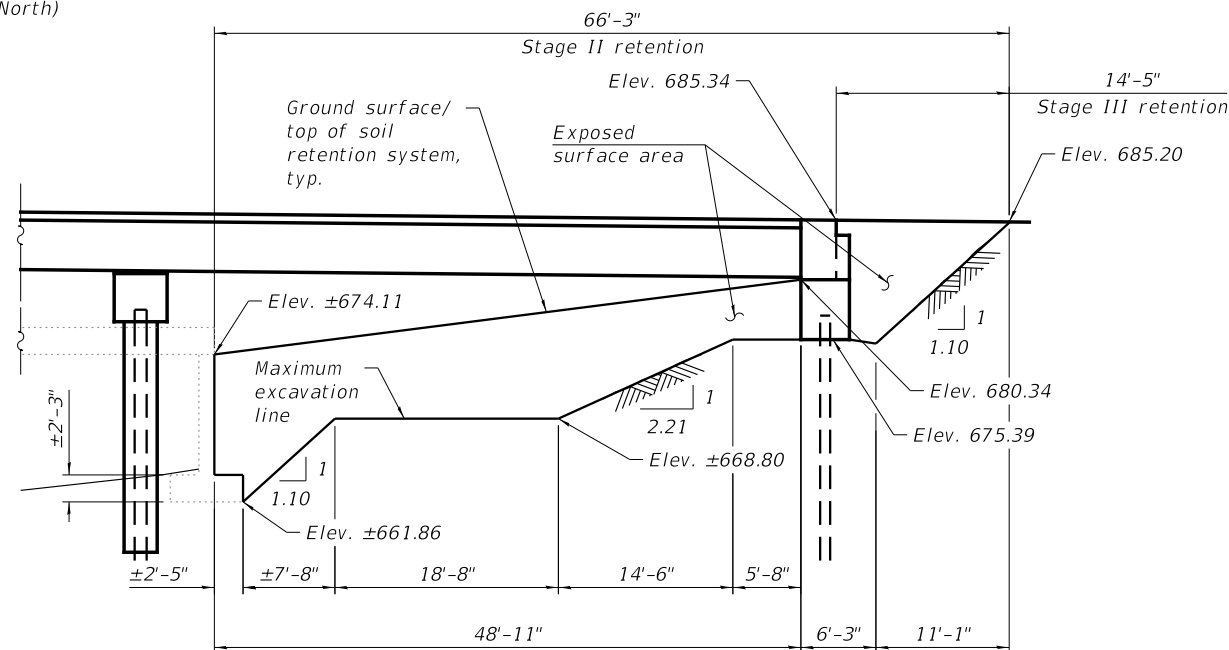
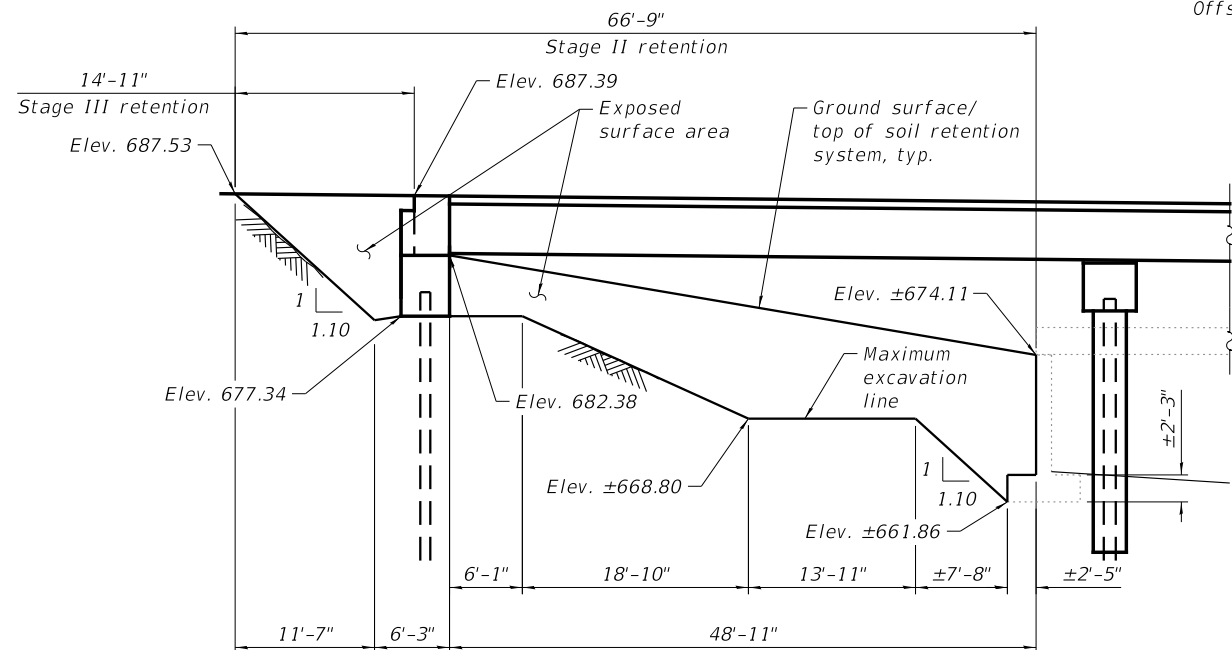
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	160
CONTRACT NO. 62C24				

ILLINOIS FED. AID PROJECT



TEMPORARY SOIL RETENTION SYSTEM - STAGE I & II

(Measured along Local Tangent @ Sta. 1142+95.00,
Offset 3.25' Rt., Looking North)



TEMPORARY SOIL RETENTION SYSTEM - STAGE II & III

(Measured along Local Tangent @ Sta. 1142+95.00,
Offset 56.25' Rt., Looking North)

Note:
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.

BILL OF MATERIAL

Item	Unit	Total
Temporary Soil Retention System	Sq. Ft.	1,656

T:\16947A\Struct\Cadd\Sheets\0220547-62C24-006-TSR.dgn



WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8180
FAX: (312) 782-1884

USER NAME =	pateld
PLOT SCALE =	N.T.S.
PLOT DATE =	12/15/2017

DESIGNED -	PJL
CHECKED -	AH
DRAWN -	DCP
CHECKED -	AH

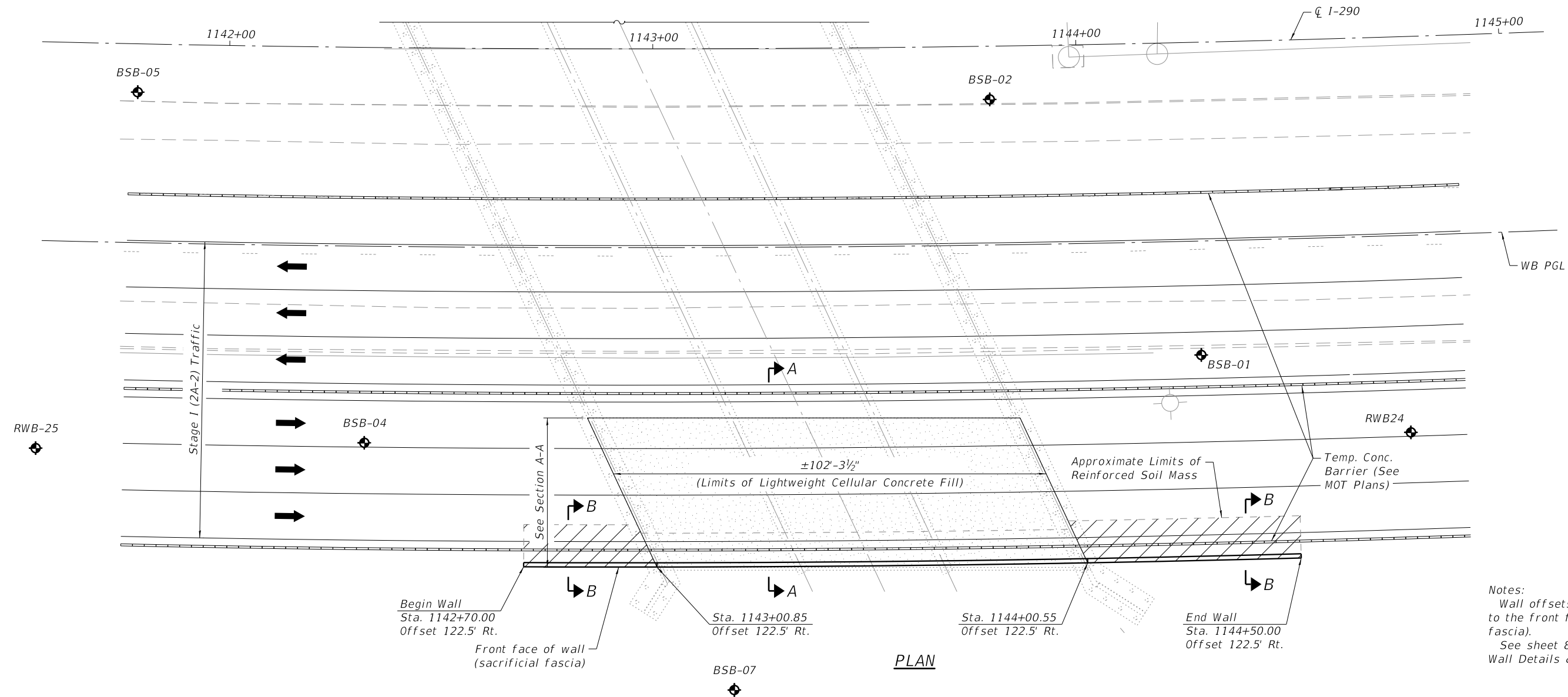
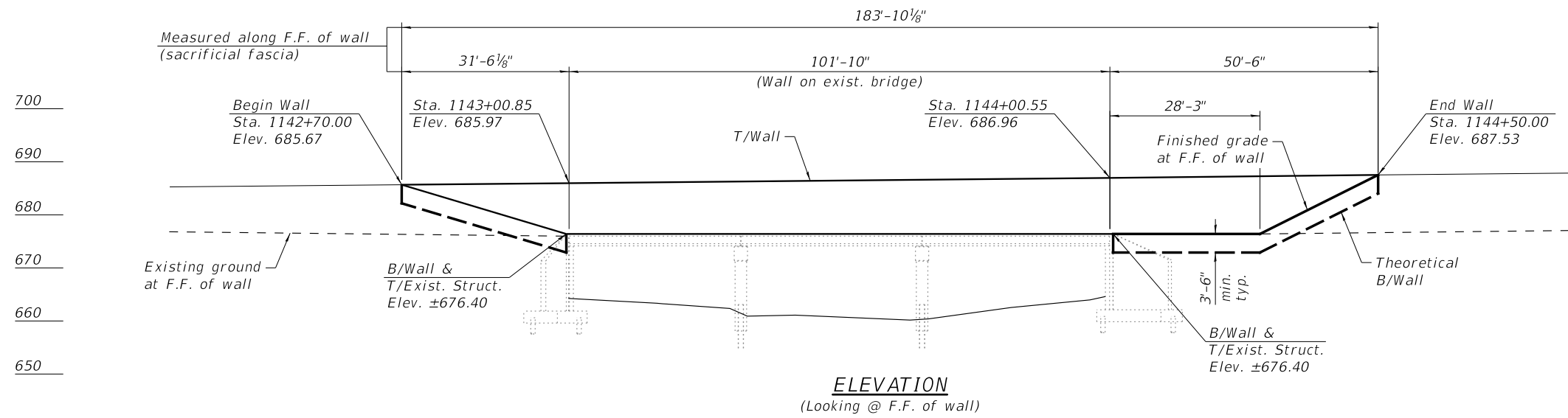
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REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY SOIL RETENTION SYSTEM
STRUCTURE NO. 022-0547 EB & 022-0577 WB**

SHEET NO. 6 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	161
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				



Notes:
 Wall offsets are measured from CL I-290 to the front face (F.F.) of wall (sacrificial fascia).
 See sheet 8 of 70 for Temporary MSE Wall Details & Sections A-A & B-B.

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WSP USA Inc.
 30 N. LASALLE STREET
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 CHICAGO, IL 60602
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 FAX: (312) 782-1884

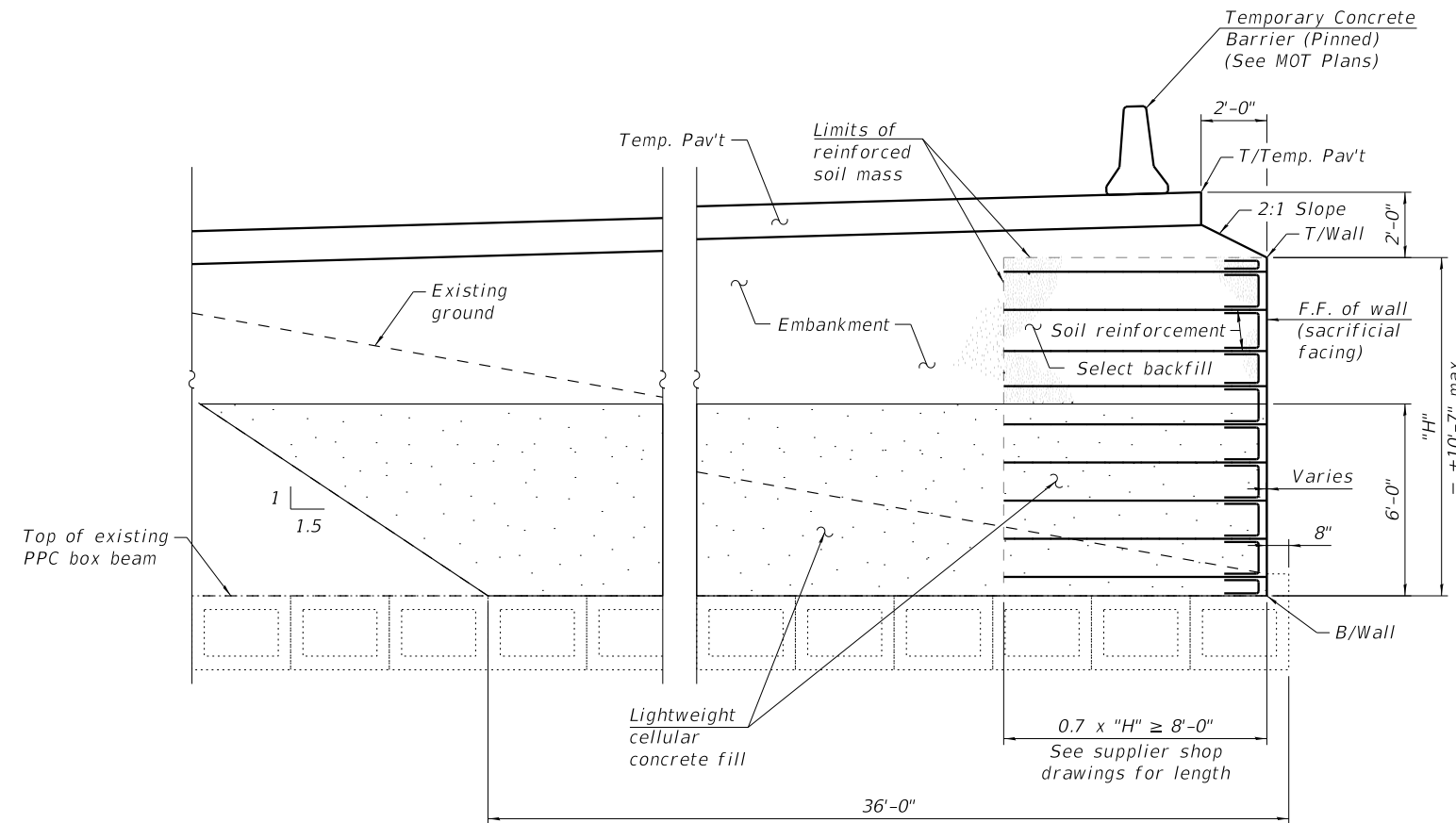
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	CHECKED - A.H.	REVISED -
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PLOT DATE = 12/15/2017	CHECKED - A.H.	REVISED -

**STATE OF ILLINOIS
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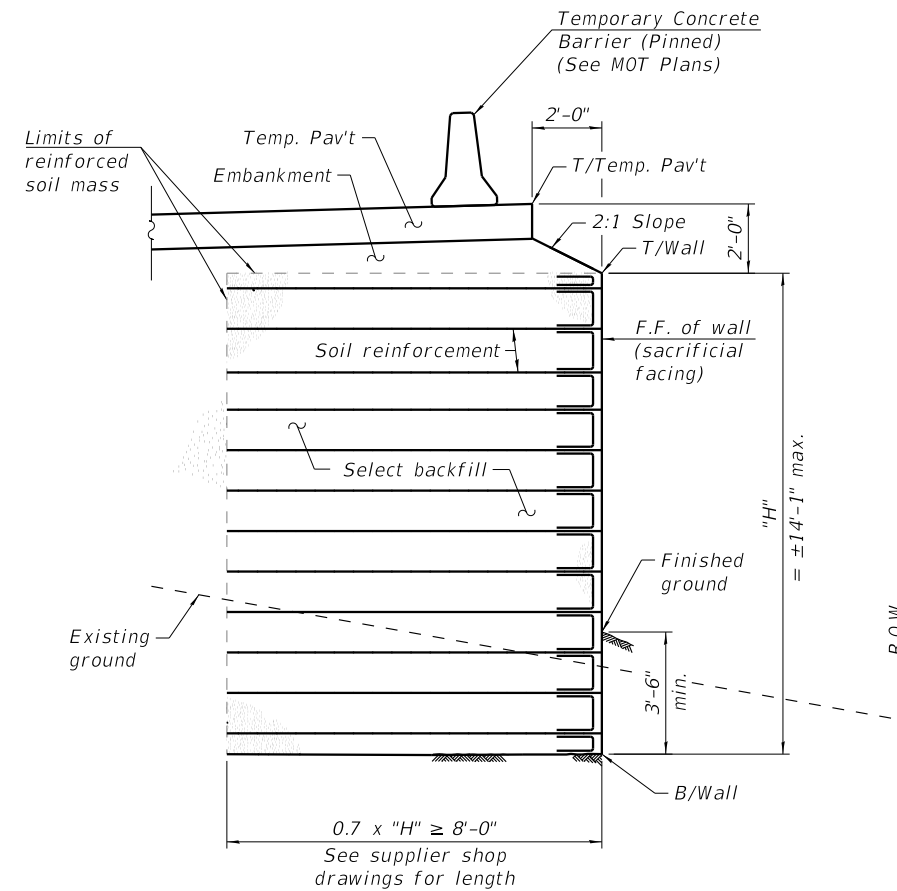
**TEMPORARY MSE WALL
 STRUCTURE NO. 022-0547 EB & 022-0577 WB**

SHEET NO. 7 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	162
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				



SECTION A-A
SECTION THRU TEMPORARY MSE WALL
ON EXISTING BRIDGE



SECTION B-B
SECTION THRU TEMPORARY MSE WALL
OUTSIDE OF EXISTING BRIDGE

Notes:

The Contractor shall exercise extreme caution during construction to make certain that construction activities, live load surcharge and other loads applied to the structures will not have detrimental effects on the existing bridge.

The Contractor shall field verify location of existing footings and underground utilities and shall take precautions to protect them during ground improvement and construction of the wall. Any damages to the existing footings and underground utilities shall be repaired or replaced to the satisfaction of the Engineer at no additional cost to the project.

Temporary Mechanically Stabilized Earth Retaining Wall shall be according to Article 522 of the Std. Specs., with Lightweight Cellular Concrete Fill as shown.

Quantity of Lightweight Cellular Concrete Fill includes volume atop existing bridge and volume within the limits of soil reinforcement for Temporary MSE Wall. Type is specified as Class IV (District 1) Lightweight Fill. See Special Provision.

BILL OF MATERIAL

Item	Unit	Total
Temporary Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	1,600
Lightweight Cellular Concrete Fill	Cu. Yd.	906

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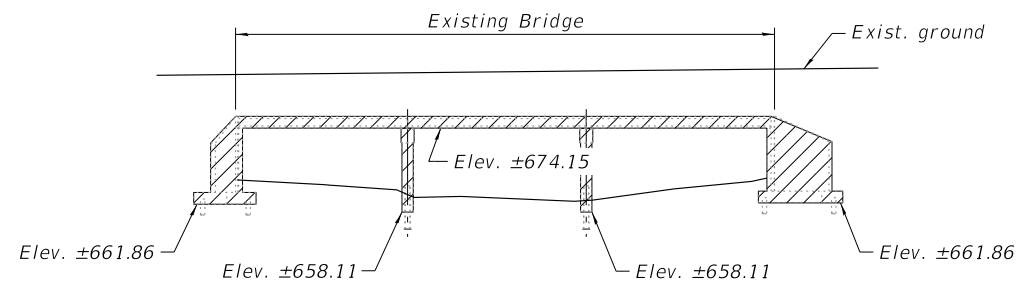
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PLOT DATE = 12/15/2017	DRAWN - DCP	REVISED -
	CHECKED - AH	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY MSE WALL DETAILS
STRUCTURE NO. 022-0547 EB & 022-0577 WB

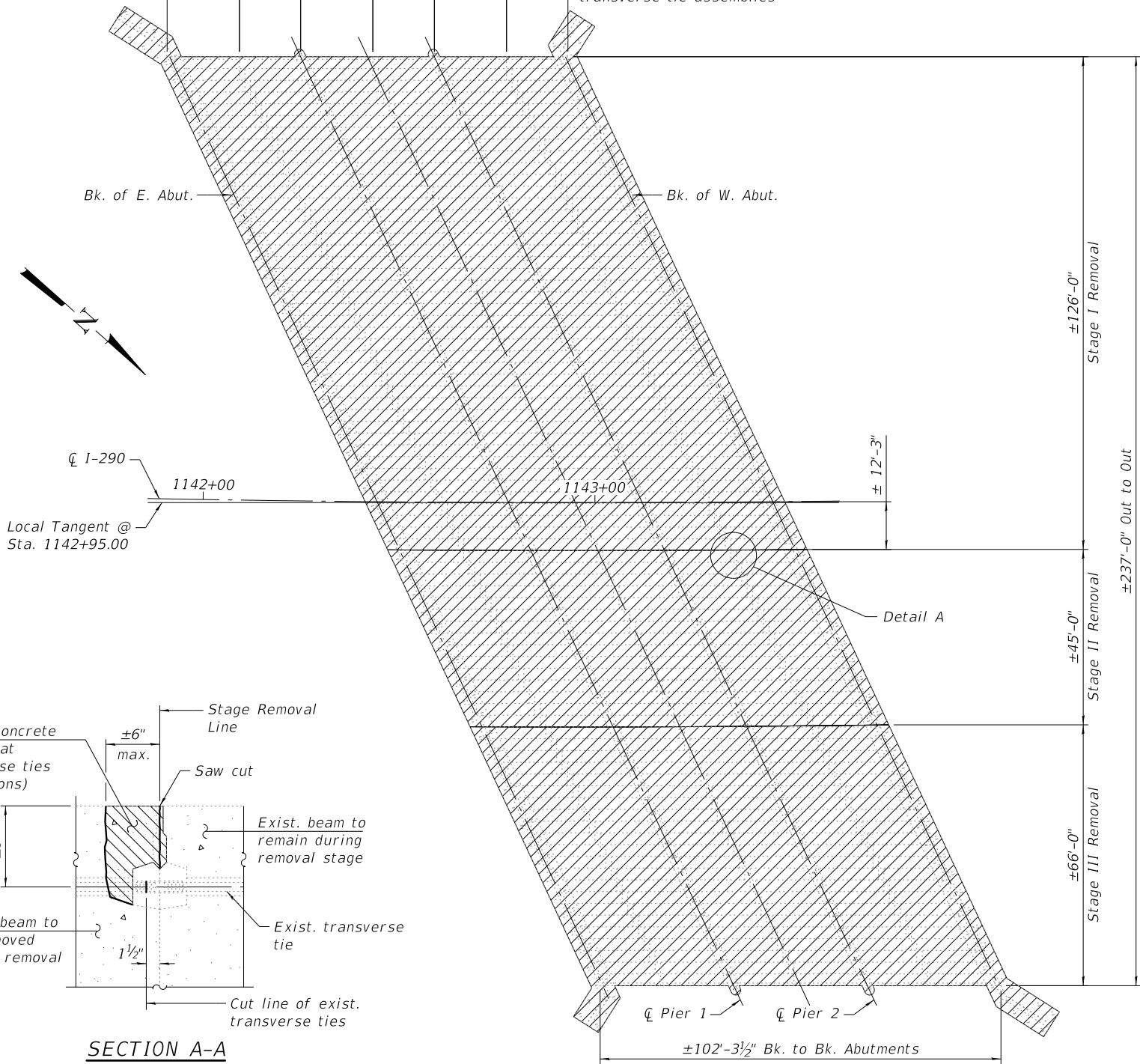
SHEET NO. 8 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	163
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

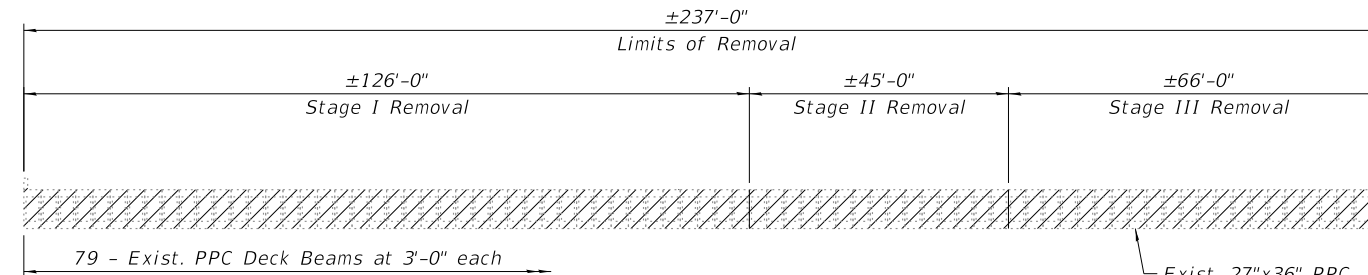


ELEVATION

18'-5" 15'-7½" 18'-5" 15'-7½" 18'-5" 15'-7½" Approximate spacing of existing transverse tie assemblies

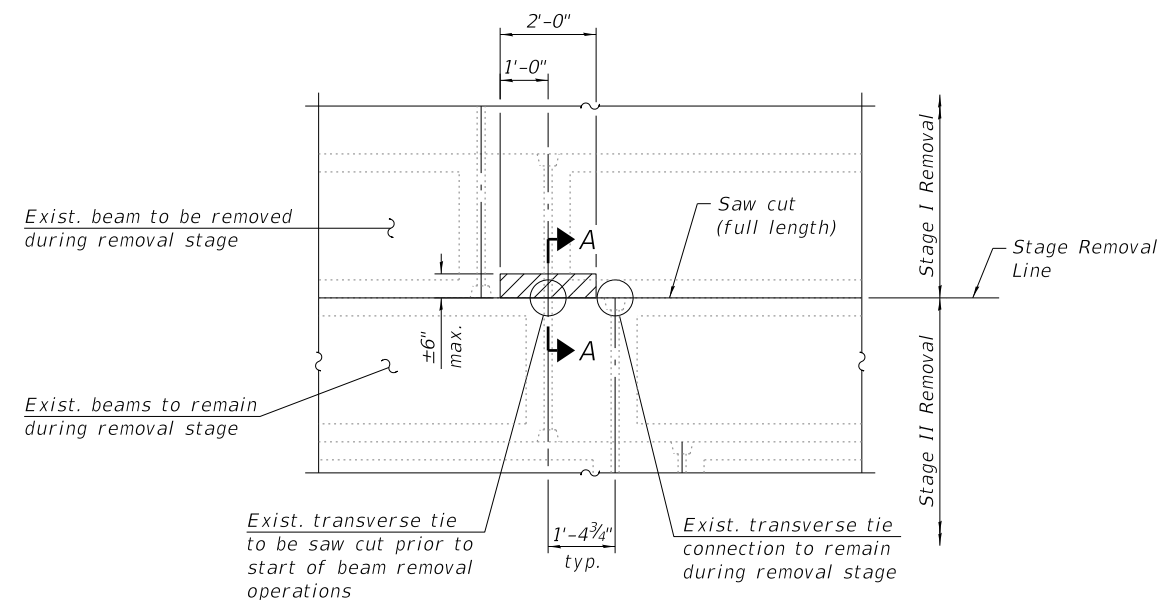


PLAN



CROSS SECTION OF SUPERSTRUCTURE

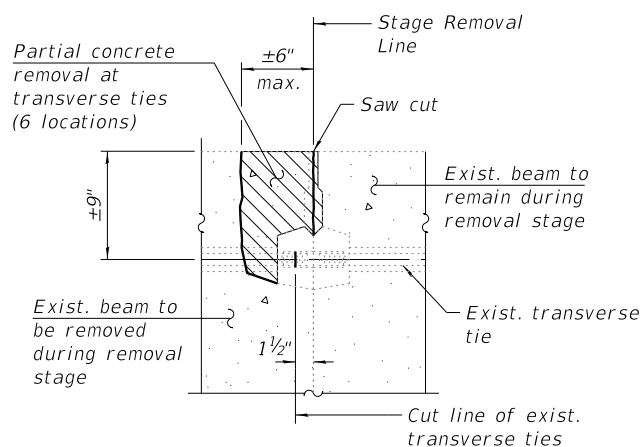
(Looking West, existing fill not shown for clarity)



DETAIL A - PARTIAL BEAM REMOVAL AT TRANSVERSE TIES

(Stage I Removal shown, Stage II Removal similar.)

Notes:
All horizontal dimensions are measured perpendicular to $\text{CL } I-290$ at Sta. 1142+95.00.
Stage removal lines are different for superstructure and substructure. See sheet 10 of 70 for existing substructure removal limits.
The Contractor is advised that the existing PPC Deck Beams are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the existing beams when developing construction procedures.
Any damage done to the existing bridge to remain between stages shall be repaired by the Contractor. Cost included with Removal of Existing Structures.
The Contractor shall exercise extreme care to ensure existing transverse tie rod connections at the stage removal lines are not damaged during removal operations. Any deterioration noted in transverse tie rod connections shall be repaired by the Contractor as approved by the Engineer. Cost included with Removal of Existing Structures.
For approximate limits of excavation, see Roadway Plans.



SECTION A-A

(Partial concrete removal and saw cut included with Removal of Existing Structures)

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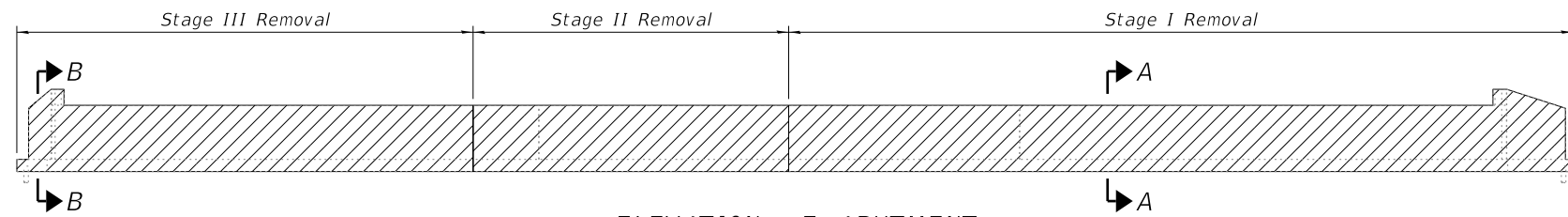
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PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -
PLOT DATE = 12/15/2017	CHECKED - AH	REVISED -

STATE OF ILLINOIS
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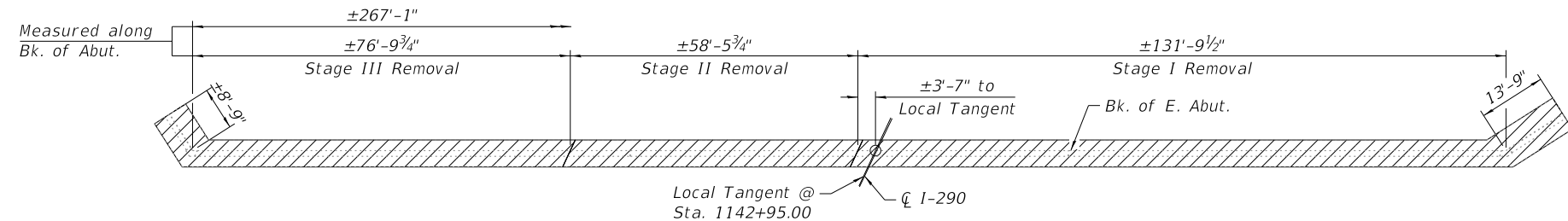
EXISTING STRUCTURE REMOVAL DETAILS I
STRUCTURE NO. 022-0547 EB & 022-0577 WB

SHEET NO. 9 OF 70 SHEETS

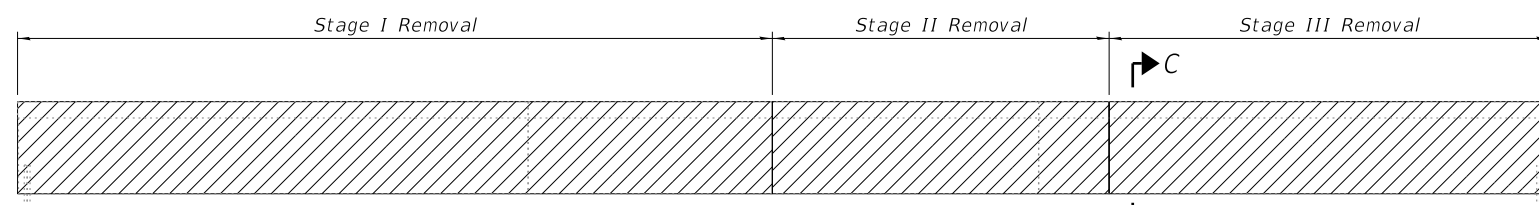
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	164
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				



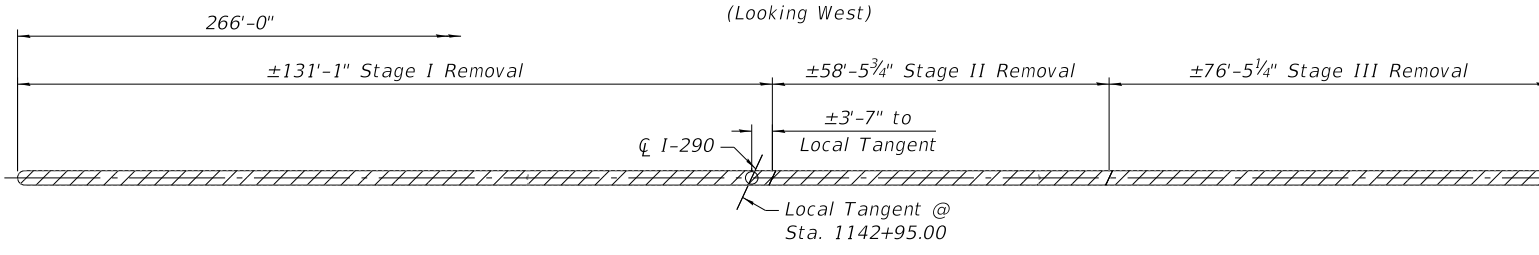
ELEVATION - E. ABUTMENT
(Looking East)



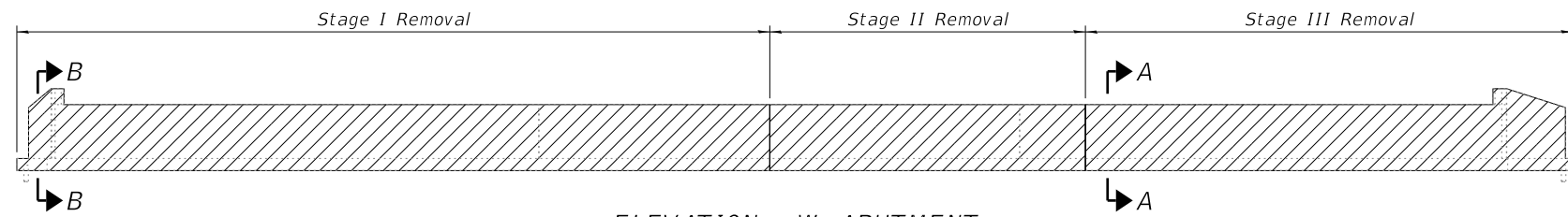
PLAN - E. ABUTMENT



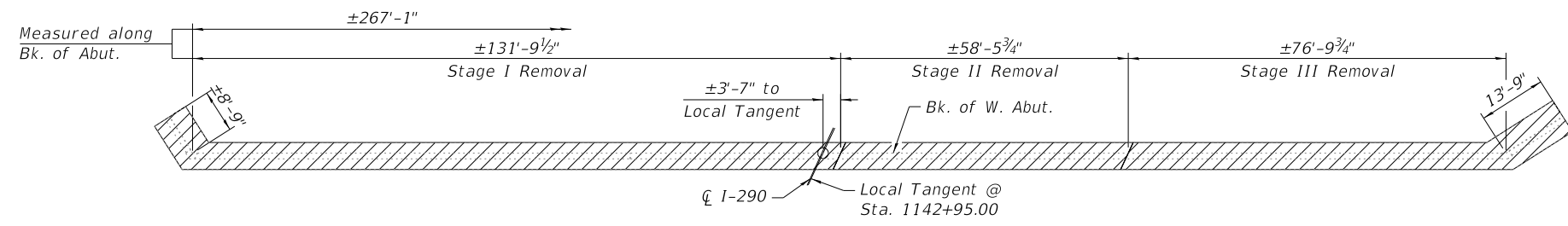
ELEVATION - PIERS 1 & 2
(Looking West)



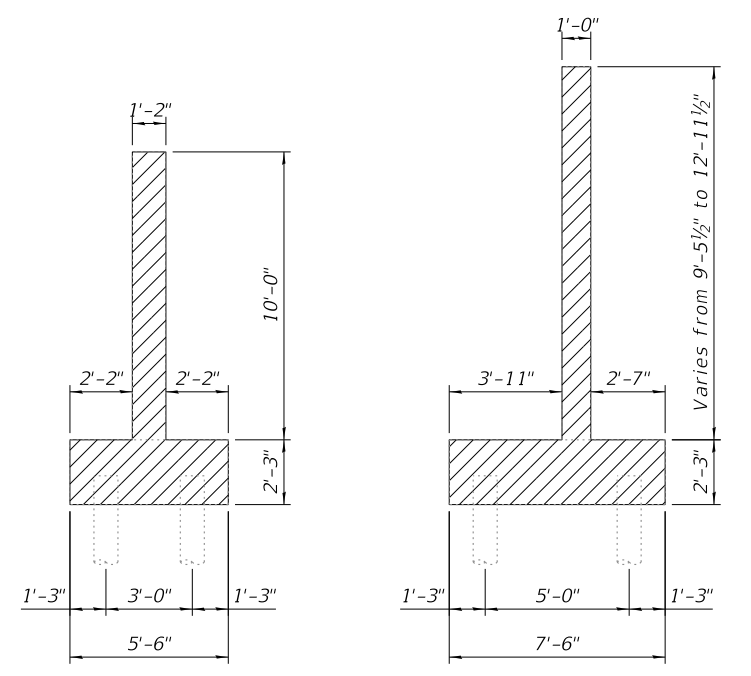
PLAN - PIERS 1 & 2



ELEVATION - W. ABUTMENT
(Looking West)

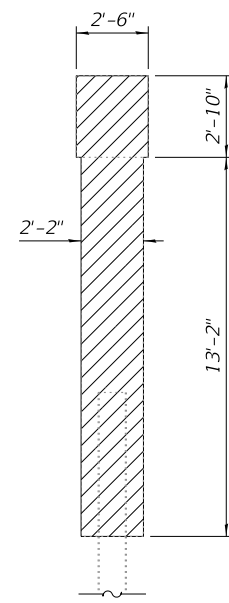


PLAN - W. ABUTMENT



SECTION A-A

SECTION B-B



SECTION C-C

Note:
See sheet 9 of 70 for additional removal details and notes.

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USER NAME = pateld	DESIGNED - P.JL	REVISED -
PLOT SCALE = N.T.S.	CHECKED - I.JL	REVISED -
PLOT DATE = 12/15/2017	DRAWN - DCP	REVISED -
	CHECKED - AH	REVISED -

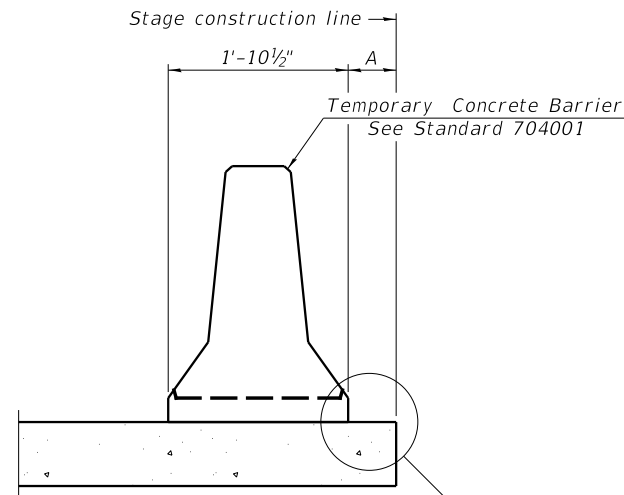
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE REMOVAL DETAILS II
STRUCTURE NO. 022-0547 EB & 022-0577 WB

SHEET NO. 10 OF 70 SHEETS

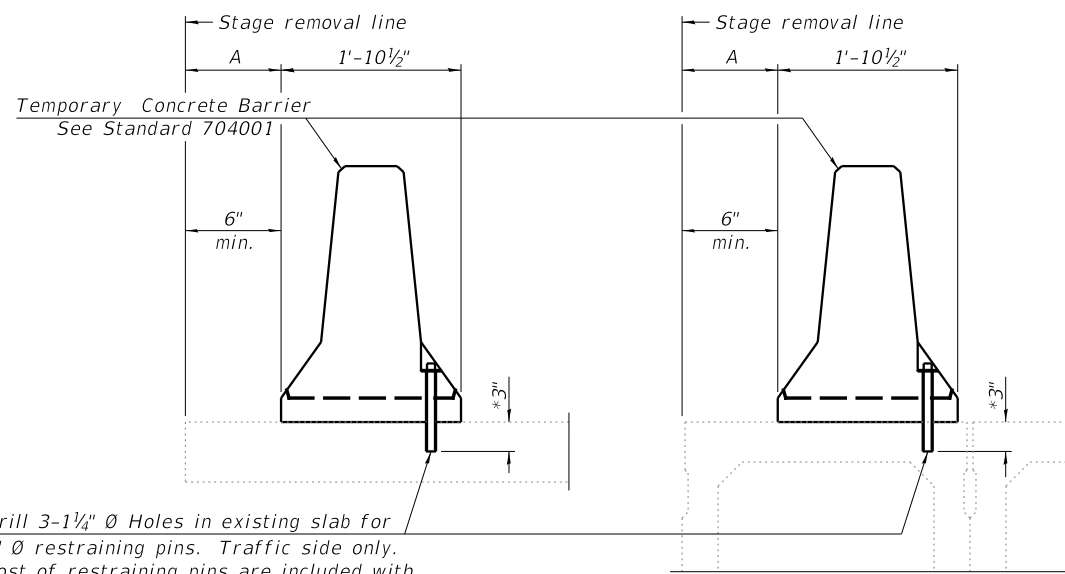
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	165
CONTRACT NO. 62C24				

ILLINOIS FED. AID PROJECT



When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM



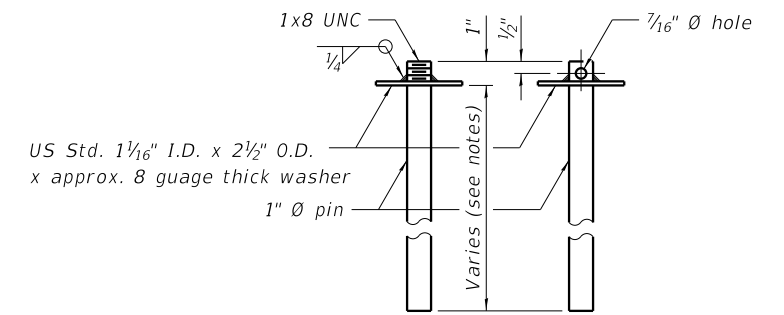
Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

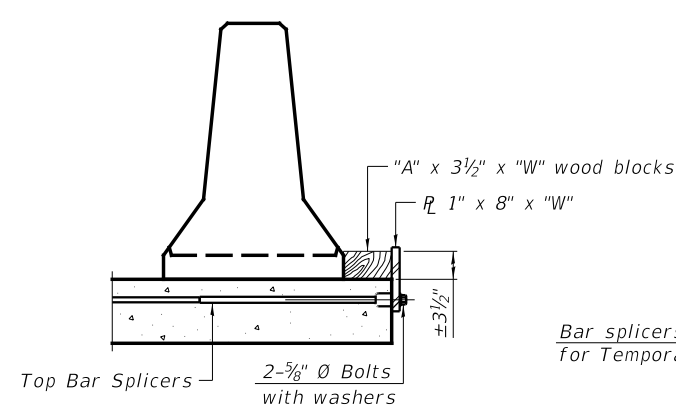
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

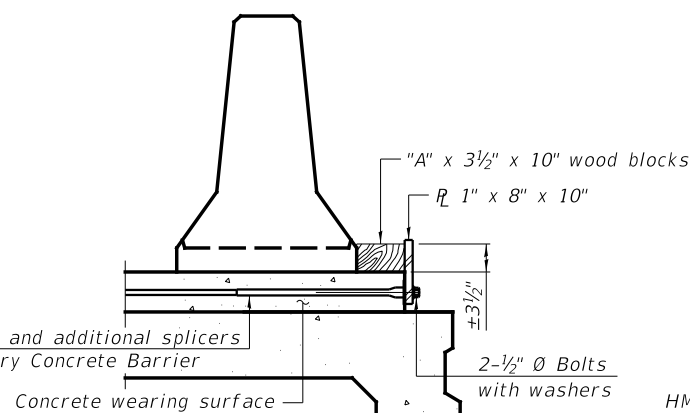
SECTIONS THRU SLAB OR DECK BEAM



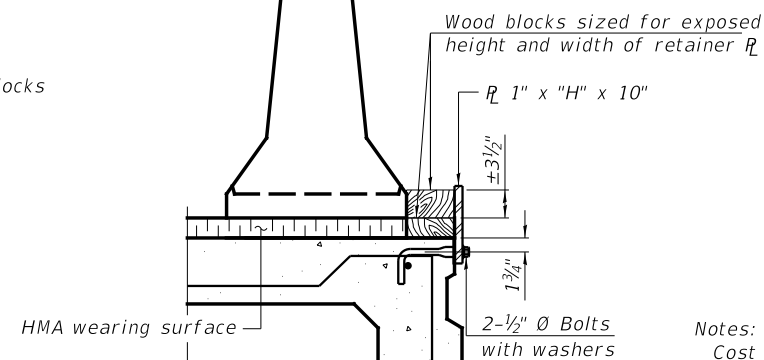
RESTRAINING PIN



DETAIL I

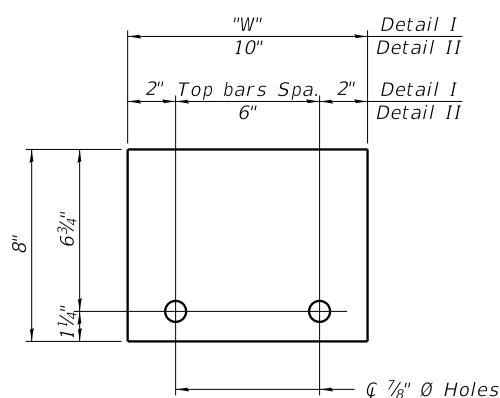


DETAIL II

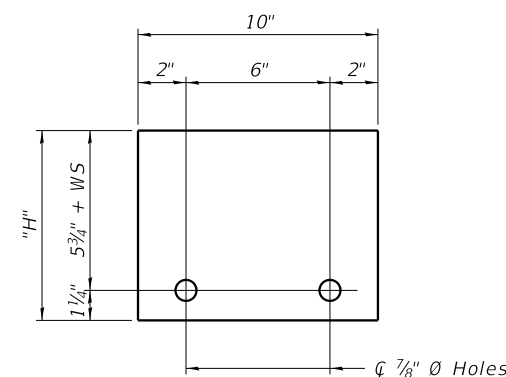


DETAIL III

BAR SPLICER FOR #4 BAR - DETAIL III



STEEL RETAINER R 1" x 8" x "W"
(Detail I and II)



STEEL RETAINER R 1" x "H" x 10"
(Detail III)

Notes:
 Cost of retainer assembly is included with Temporary Concrete Barrier.
 A retainer assembly shall be located at the approximate \bar{c} of each temporary concrete barrier.
 The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
 When the 'A' dimension is less than 1 1/2", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.
 Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.
 Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

R-27 8-11-2017

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USER NAME = patfeld
 PLOT SCALE = N.T.S.
 PLOT DATE = 12/15/2017

DESIGNED - P.J.L.
 CHECKED - AH
 DRAWN - DCP
 CHECKED - AH

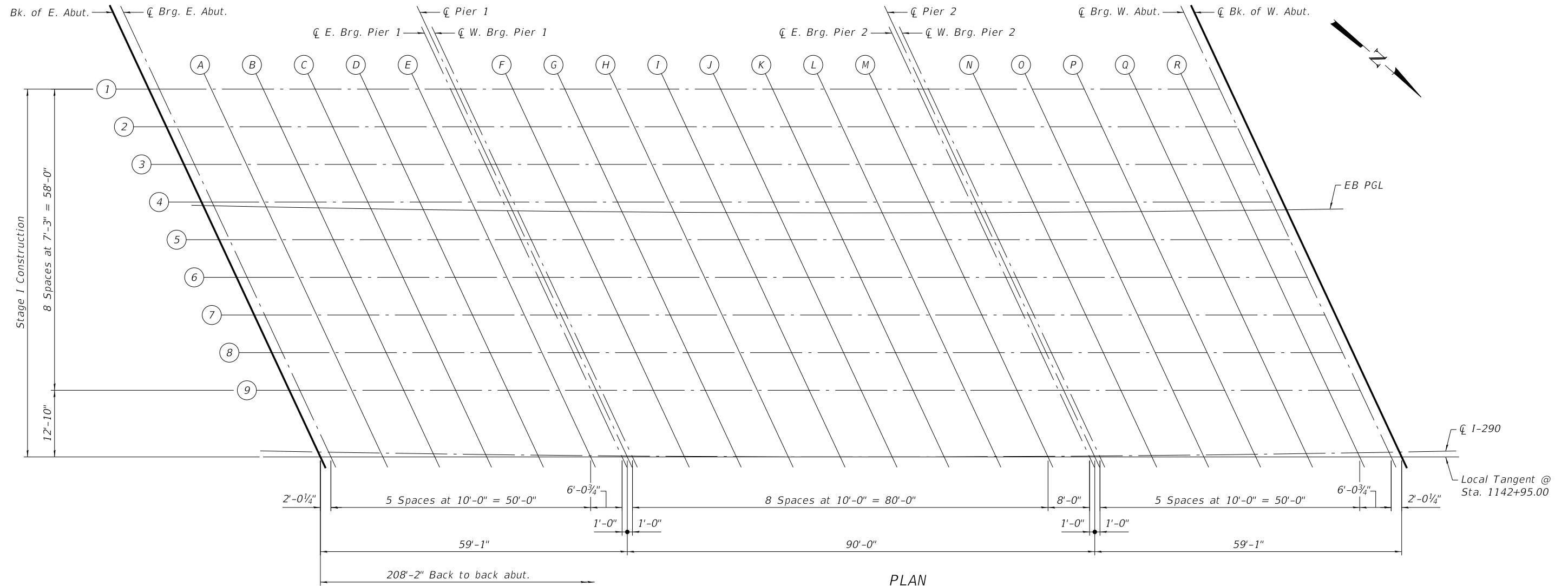
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STATE OF ILLINOIS
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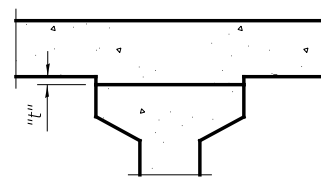
TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
 STRUCTURE NO. 022-0547 EB & 022-0577 WB

SHEET NO. 11 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	166
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

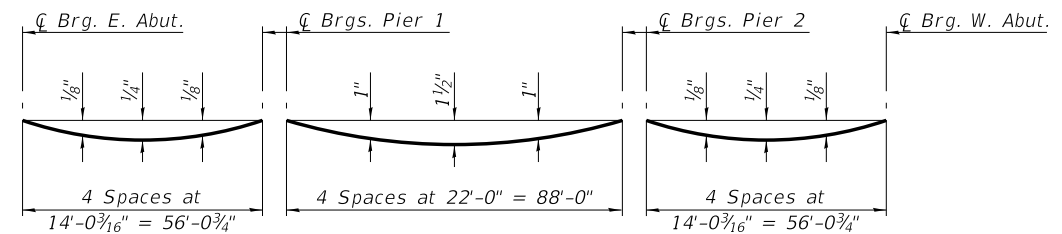


PLAN



To determine "t": After all precast prestressed beams have been erected, elevations of the top flanges of the beams shall be taken at intervals shown on sheets 13 thru 16 of 70. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflections" shown on sheets 13 thru 16 of 70, minus slab thickness, equals the fillet heights "t" above top flanges of beams.

FILLET HEIGHTS



DEAD LOAD DEFLECTION DIAGRAM
(Includes weight of concrete, excluding beams).

Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on sheets 13 thru 16 of 70.

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USER NAME = pateld	DESIGNED - P.JL	REVISED -
PLOT SCALE = N.T.S.	CHECKED - PAL	REVISED -
PLOT DATE = 12/15/2017	DRAWN - DCP	REVISED -
	CHECKED - AH	REVISED -

STATE OF ILLINOIS
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TOP OF SLAB ELEVATION PLAN EB
STRUCTURE NO. 022-0547 EB

SHEET NO. 12 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	167
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of E. Abut.	1141+56.20	-69.17	683.97	683.97
☉ Brg. E. Abut.	1141+58.24	-69.22	683.98	683.98
A	1141+68.36	-69.45	684.08	684.09
B	1141+78.48	-69.66	684.17	684.19
C	1141+88.61	-69.86	684.27	684.29
D	1141+98.73	-70.03	684.36	684.38
E	1142+08.85	-70.19	684.46	684.47
☉ E. Brg. Pier 1	1142+14.99	-70.28	684.52	684.52
☉ Pier 1	1142+16.00	-70.30	684.53	684.53
☉ W. Brg. Pier 1	1142+17.01	-70.31	684.54	684.54
F	1142+27.13	-70.44	684.64	684.68
G	1142+37.26	-70.55	684.73	684.81
H	1142+47.38	-70.64	684.83	684.94
I	1142+57.51	-70.71	684.93	685.05
J	1142+67.63	-70.77	685.03	685.15
K	1142+77.76	-70.81	685.13	685.23
L	1142+87.88	-70.83	685.23	685.30
M	1142+98.01	-70.83	685.33	685.36
☉ E. Brg. Pier 2	1143+06.11	-70.82	685.41	685.41
☉ Pier 2	1143+07.12	-70.82	685.42	685.42
☉ W. Brg. Pier 2	1143+08.13	-70.82	685.43	685.43
N	1143+18.26	-70.79	685.53	685.54
O	1143+28.38	-70.74	685.64	685.65
P	1143+38.51	-70.67	685.74	685.76
Q	1143+48.63	-70.59	685.84	685.86
R	1143+58.76	-70.48	685.94	685.95
☉ Brg. W. Abut.	1143+64.89	-70.41	686.01	686.01
Bk. of W. Abut.	1143+66.94	-70.39	686.03	686.03

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of E. Abut.	1141+59.79	-62.01	684.20	684.20
☉ Brg. E. Abut.	1141+61.84	-62.05	684.22	684.22
A	1141+71.94	-62.28	684.32	684.33
B	1141+82.05	-62.48	684.41	684.43
C	1141+92.16	-62.67	684.51	684.53
D	1142+02.27	-62.84	684.60	684.62
E	1142+12.38	-62.99	684.70	684.70
☉ E. Brg. Pier 1	1142+18.51	-63.08	684.76	684.76
☉ Pier 1	1142+19.52	-63.09	684.77	684.77
☉ W. Brg. Pier 1	1142+20.53	-63.10	684.78	684.78
F	1142+30.64	-63.23	684.87	684.91
G	1142+40.75	-63.33	684.97	685.05
H	1142+50.86	-63.42	685.07	685.18
I	1142+60.97	-63.48	685.17	685.29
J	1142+71.09	-63.53	685.27	685.39
K	1142+81.20	-63.57	685.37	685.47
L	1142+91.31	-63.58	685.47	685.54
M	1143+01.42	-63.58	685.57	685.60
☉ E. Brg. Pier 2	1143+09.51	-63.57	685.65	685.65
☉ Pier 2	1143+10.52	-63.56	685.66	685.66
☉ W. Brg. Pier 2	1143+11.53	-63.56	685.67	685.67
N	1143+21.65	-63.52	685.77	685.78
O	1143+31.76	-63.47	685.87	685.89
P	1143+41.87	-63.39	685.98	685.99
Q	1143+51.98	-63.30	686.08	686.09
R	1143+62.09	-63.19	686.18	686.19
☉ Brg. W. Abut.	1143+68.22	-63.12	686.24	686.24
Bk. of W. Abut.	1143+70.26	-63.09	686.27	686.27

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of E. Abut.	1141+63.38	-54.84	684.44	684.44
☉ Brg. E. Abut.	1141+65.42	-54.88	684.46	684.46
A	1141+75.51	-55.10	684.55	684.56
B	1141+85.61	-55.30	684.65	684.66
C	1141+95.70	-55.48	684.74	684.76
D	1142+05.80	-55.65	684.84	684.85
E	1142+15.90	-55.79	684.93	684.94
☉ E. Brg. Pier 1	1142+22.02	-55.87	684.99	684.99
☉ Pier 1	1142+23.03	-55.89	685.00	685.00
☉ W. Brg. Pier 1	1142+24.04	-55.90	685.01	685.01
F	1142+34.14	-56.01	685.11	685.15
G	1142+44.23	-56.11	685.21	685.29
H	1142+54.33	-56.19	685.31	685.41
I	1142+64.43	-56.25	685.40	685.52
J	1142+74.53	-56.30	685.50	685.62
K	1142+84.63	-56.32	685.60	685.71
L	1142+94.73	-56.33	685.70	685.78
M	1143+04.83	-56.33	685.80	685.84
☉ E. Brg. Pier 2	1143+12.91	-56.31	685.89	685.89
☉ Pier 2	1143+13.92	-56.30	685.90	685.90
☉ W. Brg. Pier 2	1143+14.93	-56.30	685.91	685.91
N	1143+25.03	-56.26	686.01	686.02
O	1143+35.13	-56.19	686.11	686.13
P	1143+45.22	-56.12	686.21	686.23
Q	1143+55.32	-56.02	686.32	686.33
R	1143+65.42	-55.90	686.42	686.43
☉ Brg. W. Abut.	1143+71.54	-55.83	686.48	686.48
Bk. of W. Abut.	1143+73.58	-55.80	686.50	686.50

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PLOT DATE = 12/15/2017

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS EB 1
STRUCTURE NO. 022-0547 EB**

SHEET NO. 13 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	168
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of E. Abut.	1141+66.95	-47.66	684.68	684.68
☉ Brg. E. Abut.	1141+68.99	-47.71	684.69	684.69
A	1141+79.07	-47.92	684.79	684.80
B	1141+89.16	-48.11	684.88	684.90
C	1141+99.24	-48.29	684.98	685.00
D	1142+09.32	-48.45	685.07	685.09
E	1142+19.41	-48.59	685.17	685.18
☉ E. Brg. Pier 1	1142+25.52	-48.67	685.23	685.23
☉ Pier 1	1142+26.53	-48.68	685.24	685.24
☉ W. Brg. Pier 1	1142+27.54	-48.69	685.25	685.25
F	1142+37.62	-48.80	685.35	685.39
G	1142+47.71	-48.89	685.44	685.52
H	1142+57.79	-48.96	685.54	685.65
I	1142+67.88	-49.02	685.64	685.76
J	1142+77.97	-49.06	685.74	685.86
K	1142+88.05	-49.08	685.84	685.94
L	1142+98.14	-49.08	685.94	686.01
M	1143+08.23	-49.07	686.04	686.07
☉ E. Brg. Pier 2	1143+16.29	-49.04	686.12	686.12
☉ Pier 2	1143+17.30	-49.04	686.13	686.13
☉ W. Brg. Pier 2	1143+18.31	-49.04	686.14	686.14
N	1143+28.40	-48.99	686.24	686.25
O	1143+38.48	-48.92	686.35	686.36
P	1143+48.57	-48.84	686.45	686.47
Q	1143+58.65	-48.73	686.55	686.57
R	1143+68.74	-48.61	686.66	686.66
☉ Brg. W. Abut.	1143+74.85	-48.53	686.72	686.72
Bk. of W. Abut.	1143+76.89	-48.50	686.74	686.74

EB PGL

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of E. Abut.	1141+67.28	-47.00	684.70	684.70
☉ Brg. E. Abut.	1141+69.35	-47.00	684.72	684.72
A	1141+79.53	-47.00	684.82	684.83
B	1141+89.71	-47.00	684.92	684.94
C	1141+99.87	-47.00	685.02	685.04
D	1142+10.03	-47.00	685.12	685.14
E	1142+20.18	-47.00	685.22	685.23
☉ E. Brg. Pier 1	1142+26.33	-47.00	685.28	685.28
☉ Pier 1	1142+27.34	-47.00	685.29	685.29
☉ W. Brg. Pier 1	1142+28.36	-47.00	685.30	685.30
F	1142+38.49	-47.00	685.41	685.45
G	1142+48.62	-47.00	685.51	685.59
H	1142+58.73	-47.00	685.61	685.71
I	1142+68.84	-47.00	685.71	685.83
J	1142+78.94	-47.00	685.81	685.93
K	1142+89.03	-47.00	685.91	686.01
L	1142+99.12	-47.00	686.01	686.08
M	1143+09.19	-47.00	686.11	686.14
☉ E. Brg. Pier 2	1143+17.25	-47.00	686.19	686.19
☉ Pier 2	1143+18.25	-47.00	686.20	686.20
☉ W. Brg. Pier 2	1143+19.26	-47.00	686.21	686.21
N	1143+29.32	-47.00	686.31	686.32
O	1143+39.37	-47.00	686.41	686.43
P	1143+49.41	-47.00	686.51	686.53
Q	1143+59.45	-47.00	686.61	686.62
R	1143+69.47	-47.00	686.71	686.72
☉ Brg. W. Abut.	1143+75.55	-47.00	686.77	686.77
Bk. of W. Abut.	1143+77.57	-47.00	686.79	686.79

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of E. Abut.	1141+70.52	-40.49	684.91	684.91
☉ Brg. E. Abut.	1141+72.56	-40.53	684.93	684.93
A	1141+82.63	-40.74	685.02	685.04
B	1141+92.70	-40.93	685.12	685.14
C	1142+02.77	-41.10	685.22	685.23
D	1142+12.84	-41.25	685.31	685.33
E	1142+22.91	-41.38	685.41	685.41
☉ E. Brg. Pier 1	1142+29.01	-41.46	685.47	685.47
☉ Pier 1	1142+30.02	-41.47	685.48	685.48
☉ W. Brg. Pier 1	1142+31.03	-41.48	685.49	685.49
F	1142+41.10	-41.58	685.58	685.62
G	1142+51.17	-41.67	685.68	685.76
H	1142+61.25	-41.73	685.78	685.89
I	1142+71.32	-41.78	685.88	686.00
J	1142+81.39	-41.82	685.98	686.10
K	1142+91.47	-41.83	686.08	686.18
L	1143+01.54	-41.83	686.18	686.25
M	1143+11.61	-41.81	686.28	686.31
☉ E. Brg. Pier 2	1143+19.67	-41.78	686.36	686.36
☉ Pier 2	1143+20.68	-41.78	686.37	686.37
☉ W. Brg. Pier 2	1143+21.69	-41.77	686.38	686.38
N	1143+31.76	-41.72	686.48	686.49
O	1143+41.83	-41.64	686.58	686.60
P	1143+51.91	-41.55	686.69	686.71
Q	1143+61.98	-41.44	686.79	686.81
R	1143+72.05	-41.32	686.89	686.90
☉ Brg. W. Abut.	1143+78.15	-41.23	686.96	686.96
Bk. of W. Abut.	1143+80.19	-41.20	686.98	686.98

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS EB II
STRUCTURE NO. 022-0547 EB**

SHEET NO. 14 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	169
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of E. Abut.	1141+74.08	-33.31	685.15	685.15
☒ Brg. E. Abut.	1141+76.11	-33.36	685.17	685.17
A	1141+86.17	-33.56	685.26	685.27
B	1141+96.23	-33.74	685.36	685.37
C	1142+06.28	-33.90	685.45	685.47
D	1142+16.34	-34.05	685.55	685.56
E	1142+26.40	-34.18	685.64	685.65
☒ E. Brg. Pier 1	1142+32.50	-34.24	685.70	685.70
☒ Pier 1	1142+33.50	-34.26	685.71	685.71
☒ W. Brg. Pier 1	1142+34.51	-34.27	685.72	685.72
F	1142+44.57	-34.36	685.82	685.86
G	1142+54.63	-34.44	685.92	686.00
H	1142+64.69	-34.50	686.02	686.12
I	1142+74.75	-34.55	686.11	686.23
J	1142+84.81	-34.57	686.21	686.33
K	1142+94.87	-34.58	686.31	686.42
L	1143+04.93	-34.57	686.41	686.49
M	1143+14.99	-34.55	686.52	686.55
☒ E. Brg. Pier 2	1143+23.04	-34.52	686.60	686.60
☒ Pier 2	1143+24.05	-34.51	686.61	686.61
☒ W. Brg. Pier 2	1143+25.05	-34.51	686.62	686.62
N	1143+35.12	-34.44	686.72	686.73
O	1143+45.18	-34.37	686.82	686.84
P	1143+55.23	-34.27	686.92	686.94
Q	1143+65.29	-34.15	687.03	687.04
R	1143+75.35	-34.02	687.13	687.14
☒ Brg. W. Abut.	1143+81.45	-33.94	687.19	687.19
Bk. of W. Abut.	1143+83.48	-33.90	687.21	687.21

BEAM 7

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of E. Abut.	1141+77.63	-26.14	685.38	685.38
☒ Brg. E. Abut.	1141+79.66	-26.18	685.40	685.40
A	1141+89.70	-26.37	685.50	685.51
B	1141+99.75	-26.55	685.59	685.61
C	1142+09.79	-26.70	685.69	685.71
D	1142+19.84	-26.84	685.78	685.80
E	1142+29.89	-26.97	685.88	685.89
☒ E. Brg. Pier 1	1142+35.97	-27.03	685.94	685.94
☒ Pier 1	1142+36.98	-27.04	685.95	685.95
☒ W. Brg. Pier 1	1142+37.98	-27.05	685.96	685.96
F	1142+48.03	-27.14	686.06	686.10
G	1142+58.08	-27.22	686.15	686.23
H	1142+68.13	-27.27	686.25	686.36
I	1142+78.17	-27.31	686.35	686.47
J	1142+88.22	-27.33	686.45	686.57
K	1142+98.27	-27.33	686.55	686.65
L	1143+08.32	-27.32	686.65	686.72
M	1143+18.37	-27.29	686.75	686.79
☒ E. Brg. Pier 2	1143+26.40	-27.25	686.83	686.83
☒ Pier 2	1143+27.41	-27.24	686.84	686.84
☒ W. Brg. Pier 2	1143+28.41	-27.24	686.85	686.85
N	1143+38.46	-27.17	686.96	686.97
O	1143+48.51	-27.08	687.06	687.08
P	1143+58.55	-26.98	687.16	687.18
Q	1143+68.60	-26.86	687.26	687.28
R	1143+78.65	-26.73	687.37	687.37
☒ Brg. W. Abut.	1143+84.74	-26.63	687.43	687.43
Bk. of W. Abut.	1143+86.77	-26.60	687.45	687.45

BEAM 8

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of E. Abut.	1141+81.17	-18.96	685.62	685.62
☒ Brg. E. Abut.	1141+83.20	-19.00	685.64	685.64
A	1141+93.23	-19.18	685.73	685.74
B	1142+03.26	-19.35	685.83	685.85
C	1142+13.29	-19.50	685.92	685.94
D	1142+23.33	-19.64	686.02	686.04
E	1142+33.36	-19.75	686.12	686.12
☒ E. Brg. Pier 1	1142+39.44	-19.81	686.18	686.18
☒ Pier 1	1142+40.45	-19.82	686.19	686.19
☒ W. Brg. Pier 1	1142+41.45	-19.83	686.20	686.20
F	1142+51.48	-19.92	686.29	686.33
G	1142+61.52	-19.99	686.39	686.47
H	1142+71.55	-20.04	686.49	686.60
I	1142+81.59	-20.07	686.59	686.71
J	1142+91.62	-20.08	686.69	686.81
K	1143+01.66	-20.08	686.79	686.89
L	1143+11.69	-20.06	686.89	686.96
M	1143+21.73	-20.02	686.99	687.02
☒ E. Brg. Pier 2	1143+29.76	-19.98	687.07	687.07
☒ Pier 2	1143+30.76	-19.97	687.08	687.08
☒ W. Brg. Pier 2	1143+31.76	-19.97	687.09	687.09
N	1143+41.80	-19.89	687.19	687.20
O	1143+51.83	-19.80	687.29	687.31
P	1143+61.87	-19.69	687.40	687.42
Q	1143+71.90	-19.57	687.50	687.52
R	1143+81.93	-19.43	687.60	687.61
☒ Brg. W. Abut.	1143+88.01	-19.33	687.67	687.67
Bk. of W. Abut.	1143+90.04	-19.30	687.69	687.69

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USER NAME = pateld	DESIGNED - P.JL	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS EB III
STRUCTURE NO. 022-0547 EB**

SHEET NO. 15 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	170
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

BEAM 9

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of E. Abut.	1141+84.70	-11.77	685.86	685.86
☒ Brg. E. Abut.	1141+86.73	-11.81	685.88	685.88
A	1141+96.74	-11.99	685.97	685.98
B	1142+06.76	-12.16	686.07	686.08
C	1142+16.78	-12.30	686.16	686.18
D	1142+26.81	-12.43	686.26	686.27
E	1142+36.83	-12.54	686.35	686.36
☒ E. Brg. Pier 1	1142+42.90	-12.60	686.41	686.41
☒ Pier 1	1142+43.90	-12.61	686.42	686.42
☒ W. Brg. Pier 1	1142+44.90	-12.61	686.43	686.43
F	1142+54.93	-12.69	686.53	686.57
G	1142+64.95	-12.75	686.63	686.71
H	1142+74.97	-12.80	686.73	686.83
I	1142+84.99	-12.82	686.83	686.95
J	1142+95.02	-12.83	686.92	687.04
K	1143+05.04	-12.82	687.02	687.13
L	1143+15.06	-12.80	687.12	687.20
M	1143+25.08	-12.75	687.23	687.26
☒ E. Brg. Pier 2	1143+33.10	-12.71	687.31	687.31
☒ Pier 2	1143+34.10	-12.70	687.32	687.32
☒ W. Brg. Pier 2	1143+35.10	-12.69	687.33	687.33
N	1143+45.13	-12.61	687.43	687.44
O	1143+55.15	-12.52	687.53	687.55
P	1143+65.17	-12.40	687.63	687.65
Q	1143+75.19	-12.27	687.74	687.75
R	1143+85.21	-12.12	687.84	687.85
☒ Brg. W. Abut.	1143+91.28	-12.03	687.91	687.91
Bk. of W. Abut.	1143+93.31	-11.99	687.93	687.93

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PLOT DATE = 12/15/2017

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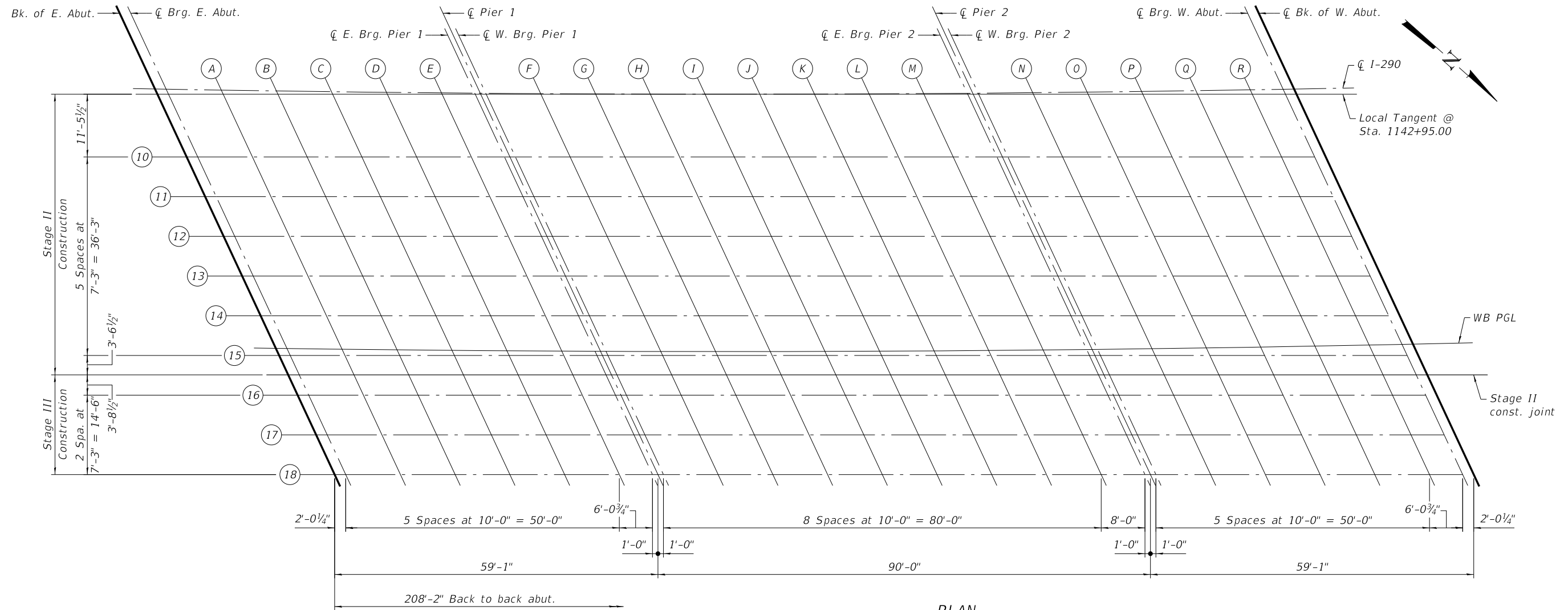
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**STATE OF ILLINOIS
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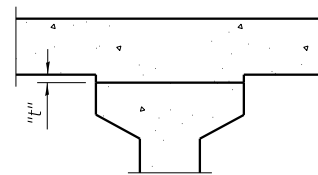
**TOP OF SLAB ELEVATIONS EB IV
STRUCTURE NO. 022-0547 EB**

SHEET NO. 16 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	171
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

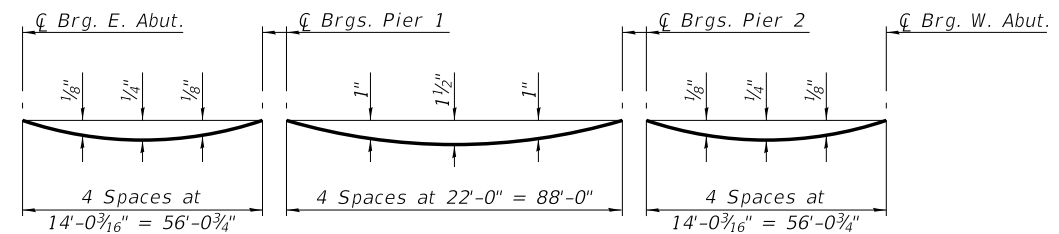


PLAN



To determine "t": After all precast prestressed beams have been erected, elevations of the top flanges of the beams shall be taken at intervals shown on sheets 18 thru 21 of 70. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflections" shown on sheets 18 thru 21 of 70, minus slab thickness, equals the fillet heights "t" above top flanges of beams.

FILLET HEIGHTS



DEAD LOAD DEFLECTION DIAGRAM
(Includes weight of concrete, excluding beams).

Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on sheets 18 thru 21 of 70.

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STATE OF ILLINOIS
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TOP OF SLAB ELEVATION PLAN WB
STRUCTURE NO. 022-0577 WB

SHEET NO. 17 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	172
CONTRACT NO. 62C24				

ILLINOIS FED. AID PROJECT

BEAM 10

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of E. Abut.	1141+96.47	12.31	684.02	684.02
☉ Brg. E. Abut.	1141+98.48	12.27	684.04	684.04
A	1142+08.46	12.11	684.13	684.14
B	1142+18.44	11.97	684.23	684.24
C	1142+28.42	11.85	684.32	684.34
D	1142+38.40	11.74	684.42	684.43
E	1142+48.38	11.65	684.51	684.52
☉ E. Brg. Pier 1	1142+54.42	11.60	684.57	684.57
☉ Pier 1	1142+55.42	11.60	684.58	684.58
☉ W. Brg. Pier 1	1142+56.42	11.59	684.59	684.59
F	1142+66.40	11.53	684.69	684.73
G	1142+76.38	11.49	684.79	684.87
H	1142+86.36	11.46	684.89	684.99
I	1142+96.34	11.46	684.99	685.11
J	1143+06.32	11.47	685.09	685.20
K	1143+16.30	11.50	685.19	685.29
L	1143+26.28	11.54	685.29	685.36
M	1143+36.26	11.61	685.39	685.42
☉ E. Brg. Pier 2	1143+44.24	11.67	685.47	685.47
☉ Pier 2	1143+45.24	11.68	685.48	685.48
☉ W. Brg. Pier 2	1143+46.24	11.69	685.49	685.49
N	1143+56.22	11.79	685.59	685.60
O	1143+66.20	11.90	685.69	685.71
P	1143+76.18	12.03	685.80	685.82
Q	1143+86.15	12.18	685.90	685.92
R	1143+96.13	12.35	686.00	686.01
☉ Brg. W. Abut.	1144+02.18	12.46	686.07	686.07
Bk. of W. Abut.	1144+04.19	12.50	686.09	686.09

BEAM 11

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of E. Abut.	1141+99.96	19.50	684.25	684.25
☉ Brg. E. Abut.	1142+01.98	19.47	684.27	684.27
A	1142+11.94	19.31	684.37	684.38
B	1142+21.91	19.18	684.46	684.48
C	1142+31.87	19.06	684.56	684.58
D	1142+41.84	18.96	684.65	684.67
E	1142+51.81	18.87	684.75	684.76
☉ E. Brg. Pier 1	1142+57.85	18.83	684.81	684.81
☉ Pier 1	1142+58.84	18.82	684.82	684.82
☉ W. Brg. Pier 1	1142+59.84	18.82	684.83	684.83
F	1142+69.81	18.76	684.93	684.97
G	1142+79.77	18.73	685.02	685.10
H	1142+89.74	18.71	685.12	685.23
I	1142+99.71	18.71	685.22	685.34
J	1143+09.68	18.73	685.32	685.44
K	1143+19.64	18.76	685.42	685.52
L	1143+29.61	18.81	685.52	685.60
M	1143+39.58	18.88	685.62	685.66
☉ E. Brg. Pier 2	1143+47.55	18.95	685.71	685.71
☉ Pier 2	1143+48.55	18.96	685.72	685.72
☉ W. Brg. Pier 2	1143+49.54	18.97	685.73	685.73
N	1143+59.51	19.07	685.83	685.84
O	1143+69.48	19.19	685.93	685.95
P	1143+79.44	19.33	686.03	686.05
Q	1143+89.41	19.49	686.14	686.15
R	1143+99.37	19.66	686.24	686.25
☉ Brg. W. Abut.	1144+05.41	19.78	686.30	686.30
Bk. of W. Abut.	1144+07.43	19.82	686.33	686.33

BEAM 12

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of E. Abut.	1142+03.44	26.69	684.49	684.49
☉ Brg. E. Abut.	1142+05.46	26.66	684.51	684.51
A	1142+15.41	26.51	684.60	684.61
B	1142+25.36	26.38	684.70	684.72
C	1142+35.32	26.27	684.79	684.81
D	1142+45.27	26.18	684.89	684.91
E	1142+55.22	26.10	684.99	684.99
☉ E. Brg. Pier 1	1142+61.26	26.06	685.05	685.05
☉ Pier 1	1142+62.25	26.05	685.06	685.06
☉ W. Brg. Pier 1	1142+63.25	26.05	685.07	685.07
F	1142+73.20	26.00	685.16	685.20
G	1142+83.16	25.97	685.26	685.34
H	1142+93.11	25.96	685.36	685.47
I	1143+03.07	25.96	685.46	685.58
J	1143+13.02	25.99	685.56	685.68
K	1143+22.98	26.03	685.66	685.76
L	1143+32.93	26.08	685.76	685.83
M	1143+42.89	26.16	685.86	685.89
☉ E. Brg. Pier 2	1143+50.85	26.23	685.94	685.94
☉ Pier 2	1143+51.85	26.24	685.95	685.95
☉ W. Brg. Pier 2	1143+52.84	26.25	685.96	685.96
N	1143+62.79	26.36	686.06	686.07
O	1143+72.75	26.49	686.17	686.18
P	1143+82.70	26.63	686.27	686.29
Q	1143+92.65	26.79	686.37	686.39
R	1144+02.60	26.97	686.48	686.48
☉ Brg. W. Abut.	1144+08.64	27.09	686.54	686.54
Bk. of W. Abut.	1144+10.65	27.13	686.56	686.56

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WSP USA Inc.
30 N. LASALLE STREET
SUITE 400
CHICAGO, IL 60602
TEL: (312) 782-8180
FAX: (312) 782-1884

USER NAME = pateld
PLOT SCALE = N.T.S.
PLOT DATE = 12/15/2017

DESIGNED - P.J.L.
CHECKED - PAL
DRAWN - DCP
CHECKED - AH

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS WB I
STRUCTURE NO. 022-0577 WB

SHEET NO. 18 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	173
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

BEAM 13

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of E. Abut.	1142+06.92	33.89	684.72	684.72
☉ Brg. E. Abut.	1142+08.93	33.86	684.74	684.74
A	1142+18.87	33.72	684.84	684.85
B	1142+28.81	33.59	684.93	684.95
C	1142+38.75	33.49	685.03	685.05
D	1142+48.69	33.40	685.13	685.14
E	1142+58.64	33.32	685.22	685.23
☉ E. Brg. Pier 1	1142+64.66	33.29	685.28	685.28
☉ Pier 1	1142+65.66	33.28	685.29	685.29
☉ W. Brg. Pier 1	1142+66.65	33.28	685.30	685.30
F	1142+76.59	33.24	685.40	685.44
G	1142+86.53	33.21	685.50	685.58
H	1142+96.48	33.21	685.60	685.70
I	1143+06.42	33.22	685.70	685.82
J	1143+16.36	33.25	685.80	685.91
K	1143+26.30	33.29	685.90	686.00
L	1143+36.25	33.36	686.00	686.07
M	1143+46.19	33.44	686.10	686.13
☉ E. Brg. Pier 2	1143+54.14	33.52	686.18	686.18
☉ Pier 2	1143+55.13	33.53	686.19	686.19
☉ W. Brg. Pier 2	1143+56.13	33.54	686.20	686.20
N	1143+66.07	33.65	686.30	686.31
O	1143+76.01	33.78	686.40	686.42
P	1143+85.95	33.93	686.51	686.53
Q	1143+95.89	34.10	686.61	686.63
R	1144+05.83	34.29	686.71	686.72
☉ Brg. W. Abut.	1144+11.85	34.41	686.78	686.78
Bk. of W. Abut.	1144+13.86	34.45	686.80	686.80

BEAM 14

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of E. Abut.	1142+10.39	41.09	684.96	684.96
☉ Brg. E. Abut.	1142+12.39	41.06	684.98	684.98
A	1142+22.32	40.92	685.07	685.08
B	1142+32.25	40.80	685.17	685.19
C	1142+42.18	40.70	685.27	685.29
D	1142+52.11	40.62	685.36	685.38
E	1142+62.04	40.55	685.46	685.47
☉ E. Brg. Pier 1	1142+68.06	40.52	685.52	685.52
☉ Pier 1	1142+69.05	40.52	685.53	685.53
☉ W. Brg. Pier 1	1142+70.04	40.51	685.54	685.54
F	1142+79.97	40.48	685.64	685.68
G	1142+89.90	40.46	685.73	685.81
H	1142+99.83	40.46	685.83	685.94
I	1143+09.76	40.48	685.93	686.05
J	1143+19.69	40.51	686.03	686.15
K	1143+29.62	40.56	686.13	686.23
L	1143+39.55	40.63	686.23	686.31
M	1143+49.48	40.72	686.33	686.37
☉ E. Brg. Pier 2	1143+57.42	40.80	686.42	686.42
☉ Pier 2	1143+58.42	40.81	686.43	686.43
☉ W. Brg. Pier 2	1143+59.41	40.82	686.44	686.44
N	1143+69.34	40.94	686.54	686.55
O	1143+79.26	41.08	686.64	686.66
P	1143+89.19	41.24	686.74	686.76
Q	1143+99.12	41.41	686.85	686.86
R	1144+09.05	41.60	686.95	686.96
☉ Brg. W. Abut.	1144+15.06	41.73	687.01	687.01
Bk. of W. Abut.	1144+17.07	41.77	687.04	687.04

WB PGL

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of E. Abut.	1142+13.23	47.00	685.15	685.15
☉ Brg. E. Abut.	1142+15.25	47.00	685.17	685.17
A	1142+25.23	47.00	685.27	685.28
B	1142+35.20	47.00	685.37	685.39
C	1142+45.16	47.00	685.47	685.49
D	1142+55.12	47.00	685.57	685.59
E	1142+65.06	47.00	685.67	685.68
☉ E. Brg. Pier 1	1142+71.09	47.00	685.73	685.73
☉ Pier 1	1142+72.08	47.00	685.74	685.74
☉ W. Brg. Pier 1	1142+73.08	47.00	685.75	685.75
F	1142+83.01	47.00	685.85	685.89
G	1142+92.93	47.00	685.95	686.03
H	1143+02.85	47.00	686.05	686.15
I	1143+12.76	47.00	686.14	686.26
J	1143+22.66	47.00	686.24	686.36
K	1143+32.55	47.00	686.34	686.44
L	1143+42.44	47.00	686.44	686.51
M	1143+52.31	47.00	686.54	686.57
☉ E. Brg. Pier 2	1143+60.21	47.00	686.62	686.62
☉ Pier 2	1143+61.20	47.00	686.63	686.63
☉ W. Brg. Pier 2	1143+62.18	47.00	686.64	686.64
N	1143+72.04	47.00	686.73	686.74
O	1143+81.90	47.00	686.83	686.85
P	1143+91.74	47.00	686.93	686.95
Q	1144+01.58	47.00	687.03	687.04
R	1144+11.41	47.00	687.13	687.13
☉ Brg. W. Abut.	1144+17.37	47.00	687.19	687.19
Bk. of W. Abut.	1144+19.36	47.00	687.21	687.21

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USER NAME = pateld	DESIGNED - P.JL	REVISED -
	CHECKED - PAL	REVISED -
PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -
PLOT DATE = 12/15/2017	CHECKED - AH	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS WB II
STRUCTURE NO. 022-0577 WB**

SHEET NO. 19 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	174
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

BEAM 15

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of E. Abut.	1142+13.84	48.29	685.20	685.20
☉ Brg. E. Abut.	1142+15.85	48.26	685.22	685.22
A	1142+25.77	48.13	685.31	685.32
B	1142+35.68	48.02	685.41	685.42
C	1142+45.60	47.92	685.50	685.52
D	1142+55.52	47.85	685.60	685.61
E	1142+65.43	47.79	685.70	685.70
☉ E. Brg. Pier 1	1142+71.44	47.76	685.75	685.75
☉ Pier 1	1142+72.43	47.75	685.76	685.76
☉ W. Brg. Pier 1	1142+73.43	47.75	685.77	685.77
F	1142+83.34	47.72	685.87	685.91
G	1142+93.26	47.71	685.97	686.05
H	1143+03.18	47.71	686.07	686.18
I	1143+13.10	47.74	686.17	686.29
J	1143+23.01	47.78	686.27	686.39
K	1143+32.93	47.83	686.37	686.47
L	1143+42.85	47.91	686.47	686.54
M	1143+52.76	48.00	686.57	686.60
☉ E. Brg. Pier 2	1143+60.70	48.09	686.65	686.65
☉ Pier 2	1143+61.69	48.10	686.66	686.66
☉ W. Brg. Pier 2	1143+62.68	48.11	686.67	686.67
N	1143+72.60	48.24	686.77	686.78
O	1143+82.51	48.38	686.88	686.89
P	1143+92.43	48.54	686.98	687.00
Q	1144+02.34	48.72	687.08	687.10
R	1144+12.25	48.92	687.19	687.19
☉ Brg. W. Abut.	1144+18.26	49.05	687.25	687.25
Bk. of W. Abut.	1144+20.27	49.09	687.27	687.27

STAGE II CONSTRUCTION

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of E. Abut.	1142+15.53	51.81	685.31	685.31
☉ Brg. E. Abut.	1142+17.54	51.78	685.33	685.33
A	1142+27.45	51.65	685.43	685.44
B	1142+37.36	51.54	685.52	685.54
C	1142+47.27	51.45	685.62	685.64
D	1142+57.18	51.38	685.71	685.73
E	1142+67.09	51.32	685.81	685.82
☉ E. Brg. Pier 1	1142+73.09	51.29	685.87	685.87
☉ Pier 1	1142+74.09	51.29	685.88	685.88
☉ W. Brg. Pier 1	1142+75.08	51.29	685.89	685.89
F	1142+84.99	51.26	685.99	686.03
G	1142+94.90	51.25	686.09	686.16
H	1143+04.81	51.26	686.18	686.29
I	1143+14.72	51.28	686.28	686.40
J	1143+24.63	51.33	686.38	686.50
K	1143+34.54	51.39	686.48	686.59
L	1143+44.45	51.47	686.58	686.66
M	1143+54.37	51.56	686.69	686.72
☉ E. Brg. Pier 2	1143+62.29	51.65	686.77	686.77
☉ Pier 2	1143+63.28	51.66	686.78	686.78
☉ W. Brg. Pier 2	1143+64.28	51.67	686.79	686.79
N	1143+74.18	51.80	686.89	686.90
O	1143+84.09	51.95	686.99	687.01
P	1143+94.00	52.11	687.10	687.12
Q	1144+03.91	52.29	687.20	687.22
R	1144+13.82	52.49	687.30	687.31
☉ Brg. W. Abut.	1144+19.82	52.62	687.37	687.37
Bk. of W. Abut.	1144+21.83	52.67	687.39	687.39

BEAM 16

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of E. Abut.	1142+17.29	55.49	685.43	685.43
☉ Brg. E. Abut.	1142+19.30	55.46	685.45	685.45
A	1142+29.20	55.34	685.55	685.56
B	1142+39.10	55.23	685.64	685.66
C	1142+49.01	55.14	685.74	685.76
D	1142+58.91	55.07	685.83	685.85
E	1142+68.82	55.02	685.93	685.94
☉ E. Brg. Pier 1	1142+74.82	54.99	685.99	685.99
☉ Pier 1	1142+75.81	54.99	686.00	686.00
☉ W. Brg. Pier 1	1142+76.80	54.99	686.01	686.01
F	1142+86.71	54.96	686.11	686.15
G	1142+96.61	54.96	686.21	686.29
H	1143+06.52	54.97	686.31	686.41
I	1143+16.42	55.00	686.40	686.52
J	1143+26.33	55.04	686.50	686.62
K	1143+36.23	55.11	686.61	686.71
L	1143+46.14	55.19	686.71	686.78
M	1143+56.04	55.29	686.81	686.84
☉ E. Brg. Pier 2	1143+63.96	55.38	686.89	686.89
☉ Pier 2	1143+64.95	55.39	686.90	686.90
☉ W. Brg. Pier 2	1143+65.94	55.40	686.91	686.91
N	1143+75.85	55.53	687.01	687.02
O	1143+85.75	55.68	687.11	687.13
P	1143+95.65	55.85	687.22	687.24
Q	1144+05.55	56.04	687.32	687.34
R	1144+15.45	56.24	687.42	687.43
☉ Brg. W. Abut.	1144+21.45	56.37	687.49	687.49
Bk. of W. Abut.	1144+23.46	56.41	687.51	687.51

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USER NAME = pateld
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DRAWN - DCP
CHECKED - AH

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS WB III
STRUCTURE NO. 022-0577 WB**

SHEET NO. 20 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	175
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

BEAM 17

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of E. Abut.	1142+20.74	62.69	685.67	685.67
☒ Brg. E. Abut.	1142+22.74	62.67	685.69	685.69
A	1142+32.63	62.55	685.78	685.79
B	1142+42.52	62.45	685.88	685.90
C	1142+52.41	62.37	685.97	685.99
D	1142+62.30	62.30	686.07	686.09
E	1142+72.20	62.25	686.17	686.17
☒ E. Brg. Pier 1	1142+78.19	62.23	686.23	686.23
☒ Pier 1	1142+79.18	62.23	686.24	686.24
☒ W. Brg. Pier 1	1142+80.17	62.23	686.25	686.25
F	1142+90.06	62.21	686.34	686.39
G	1142+99.95	62.21	686.44	686.52
H	1143+09.85	62.23	686.54	686.65
I	1143+19.74	62.26	686.64	686.76
J	1143+29.63	62.31	686.74	686.86
K	1143+39.52	62.38	686.84	686.94
L	1143+49.42	62.47	686.94	687.02
M	1143+59.31	62.57	687.04	687.08
☒ E. Brg. Pier 2	1143+67.22	62.67	687.13	687.13
☒ Pier 2	1143+68.21	62.68	687.14	687.14
☒ W. Brg. Pier 2	1143+69.20	62.69	687.15	687.15
N	1143+79.09	62.83	687.25	687.26
O	1143+88.98	62.99	687.35	687.37
P	1143+98.87	63.16	687.45	687.47
Q	1144+08.76	63.35	687.56	687.57
R	1144+18.65	63.56	687.66	687.67
☒ Brg. W. Abut.	1144+24.64	63.69	687.73	687.73
Bk. of W. Abut.	1144+26.64	63.74	687.75	687.75

BEAM 18

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of E. Abut.	1142+24.17	69.90	685.90	685.90
☒ Brg. E. Abut.	1142+26.17	69.88	685.92	685.92
A	1142+36.05	69.77	686.02	686.03
B	1142+45.92	69.67	686.11	686.13
C	1142+55.80	69.59	686.21	686.23
D	1142+65.68	69.53	686.31	686.32
E	1142+75.56	69.49	686.40	686.41
☒ E. Brg. Pier 1	1142+81.55	69.47	686.46	686.46
☒ Pier 1	1142+82.54	69.47	686.47	686.47
☒ W. Brg. Pier 1	1142+83.53	69.47	686.48	686.48
F	1142+93.41	69.46	686.58	686.62
G	1143+03.29	69.46	686.68	686.76
H	1143+13.17	69.49	686.78	686.88
I	1143+23.05	69.53	686.88	687.00
J	1143+32.93	69.59	686.98	687.10
K	1143+42.81	69.66	687.08	687.18
L	1143+52.69	69.75	687.18	687.25
M	1143+62.57	69.86	687.28	687.31
☒ E. Brg. Pier 2	1143+70.47	69.96	687.36	687.36
☒ Pier 2	1143+71.46	69.97	687.37	687.37
☒ W. Brg. Pier 2	1143+72.45	69.99	687.38	687.38
N	1143+82.32	70.13	687.48	687.49
O	1143+92.20	70.29	687.59	687.60
P	1144+02.08	70.47	687.69	687.71
Q	1144+11.95	70.67	687.79	687.81
R	1144+21.83	70.88	687.90	687.90
☒ Brg. W. Abut.	1144+27.82	71.02	687.96	687.96
Bk. of W. Abut.	1144+29.81	71.06	687.98	687.98

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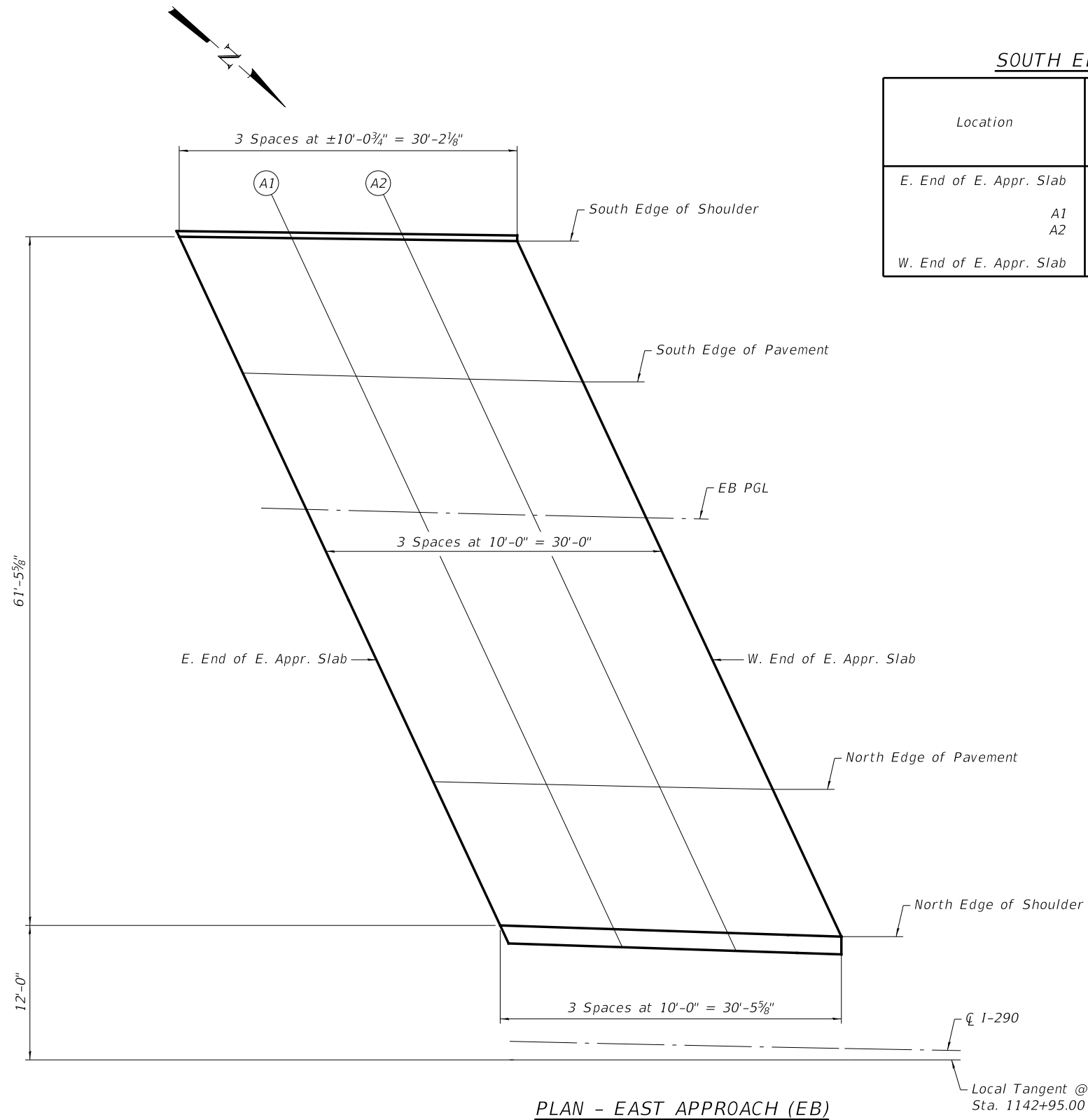
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PLOT DATE = 12/15/2017	CHECKED - AH	REVISED -

**STATE OF ILLINOIS
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**TOP OF SLAB ELEVATIONS WB IV
STRUCTURE NO. 022-0577 WB**

SHEET NO. 21 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	176
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	



SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
E. End of E. Appr. Slab	1141+25.64	-71.00	683.61
A1	1141+35.82	-71.16	683.71
A2	1141+46.01	-71.30	683.80
W. End of E. Appr. Slab	1141+56.20	-71.42	683.90

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
E. End of E. Appr. Slab	1141+31.73	-59.00	684.01
A1	1141+41.97	-59.00	684.11
A2	1141+52.20	-59.00	684.21
W. End of E. Appr. Slab	1141+62.42	-59.00	684.31

EB PROFILE GRADE LINE

Location	Station	Offset	Theoretical Grade Elevations
E. End of E. Appr. Slab	1141+37.80	-47.00	684.40
A1	1141+48.01	-47.00	684.51
A2	1141+58.21	-47.00	684.61
W. End of E. Appr. Slab	1141+68.41	-47.00	684.71

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
E. End of E. Appr. Slab	1141+49.84	-23.00	685.20
A1	1141+60.00	-23.00	685.30
A2	1141+70.15	-23.00	685.40
W. End of E. Appr. Slab	1141+80.29	-23.00	685.50

NORTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
E. End of E. Appr. Slab	1141+56.16	-10.32	685.61
A1	1141+66.34	-10.22	685.72
A2	1141+76.52	-10.11	685.82
W. End of E. Appr. Slab	1141+86.70	-9.98	685.93

PLAN - EAST APPROACH (EB)

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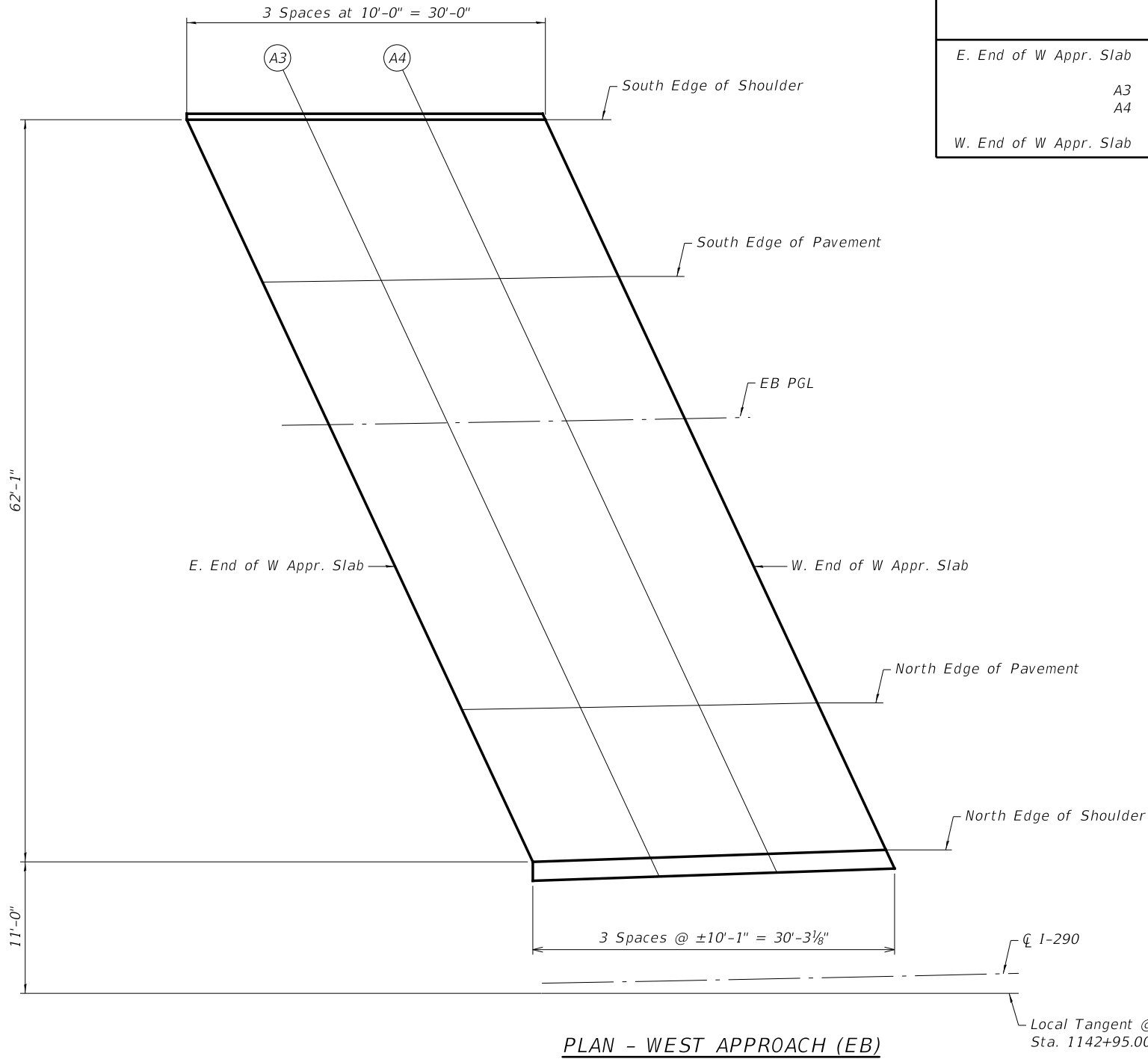
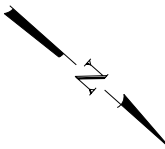
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	CHECKED - AH	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF EAST APPROACH SLAB ELEVATIONS EB
STRUCTURE NO. 022-0547 EB**

SHEET NO. 22 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	177
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				



SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
E. End of W Appr. Slab	1143+64.79	-72.66	685.94
A3	1143+74.91	-72.53	686.05
A4	1143+85.04	-72.38	686.15
W. End of W Appr. Slab	1143+95.17	-72.22	686.26

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
E. End of W Appr. Slab	1143+71.02	-59.00	686.39
A3	1143+81.06	-59.00	686.49
A4	1143+91.09	-59.00	686.59
W. End of W Appr. Slab	1144+01.11	-59.00	686.69

EB PROFILE GRADE LINE

Location	Station	Offset	Theoretical Grade Elevations
E. End of W Appr. Slab	1143+76.47	-47.00	686.78
A3	1143+86.48	-47.00	686.88
A4	1143+96.49	-47.00	686.98
W. End of W Appr. Slab	1144+06.48	-47.00	687.08

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
E. End of W Appr. Slab	1143+87.28	-23.00	687.56
A3	1143+97.25	-23.00	687.66
A4	1144+07.20	-23.00	687.76
W. End of W Appr. Slab	1144+17.15	-23.00	687.86

NORTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
E. End of W Appr. Slab	1143+93.03	-10.16	687.97
A3	1144+02.90	-10.32	688.07
A4	1144+12.76	-10.46	688.16
W. End of W Appr. Slab	1144+22.63	-10.58	688.26

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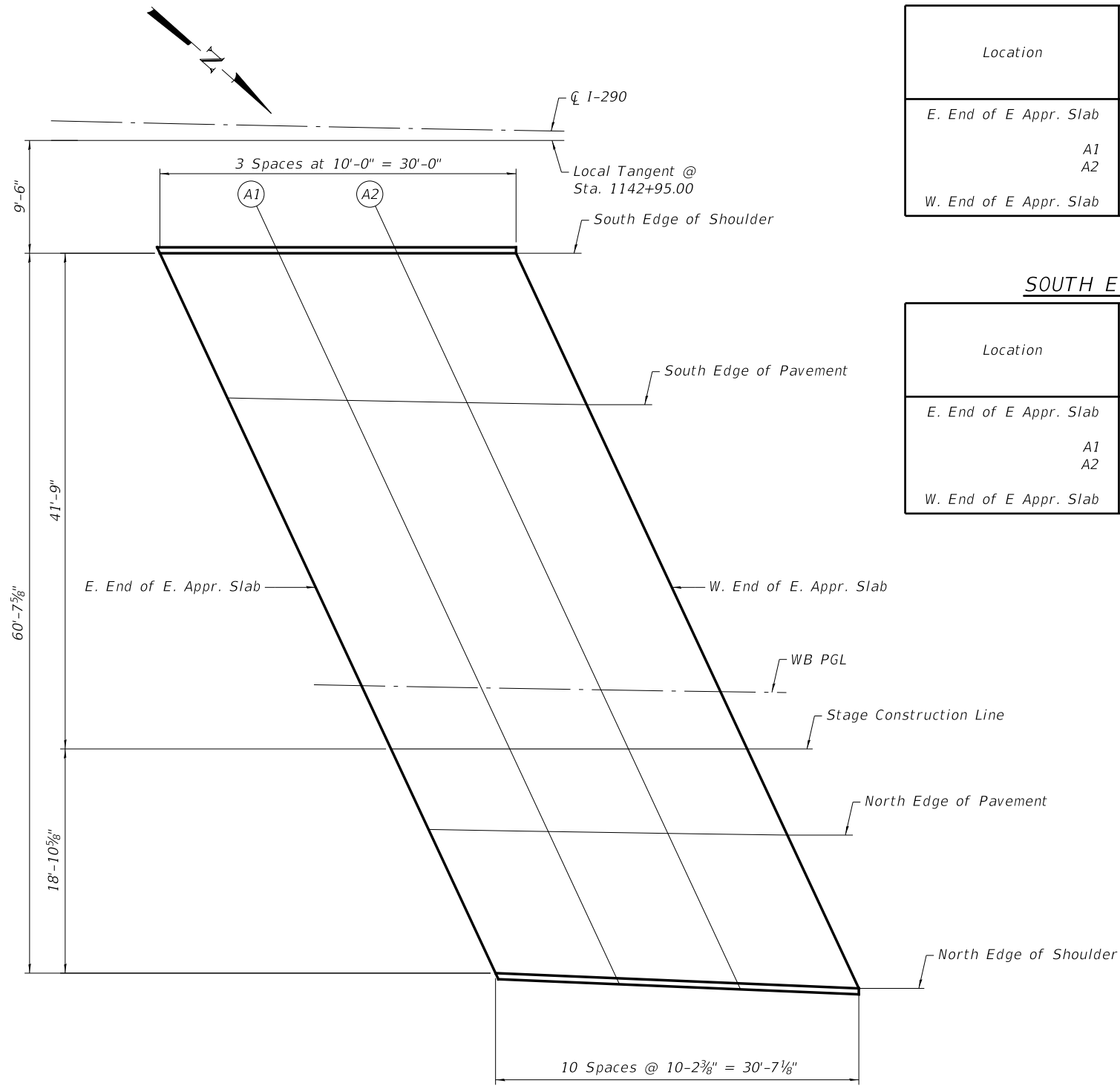
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 WSP USA Inc.
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**STATE OF ILLINOIS
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**TOP OF WEST APPROACH SLAB ELEVATIONS EB
 STRUCTURE NO. 022-0547 EB**

F.A. RTE. 290	SECTION (22-1B-1)B	COUNTY DuPage	TOTAL SHEETS 402	SHEET NO. 178
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				



PLAN - EAST APPROACH (WB)

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
E. End of E Appr. Slab	1141+66.68	10.94	683.68
A1	1141+76.66	10.72	683.77
A2	1141+86.64	10.53	683.87
W. End of E Appr. Slab	1141+96.62	10.35	683.96

WB PROFILE GRADE LINE

Location	Station	Offset	Theoretical Grade Elevations
E. End of E Appr. Slab	1141+84.33	47.00	684.87
A1	1141+94.34	47.00	684.97
A2	1142+04.34	47.00	685.07
W. End of E Appr. Slab	1142+14.33	47.00	685.17

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
E. End of E Appr. Slab	1141+72.62	23.00	684.08
A1	1141+82.67	23.00	684.18
A2	1141+92.72	23.00	684.28
W. End of E Appr. Slab	1142+02.76	23.00	684.38

STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations
E. End of E Appr. Slab	1141+86.90	52.28	685.04
A1	1141+96.81	52.10	685.13
A2	1142+06.72	51.94	685.23
W. End of E Appr. Slab	1142+16.62	51.79	685.32

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
E. End of E Appr. Slab	1141+90.15	59.00	685.26
A1	1142+00.13	59.00	685.36
A2	1142+10.11	59.00	685.46
W. End of E Appr. Slab	1142+20.07	59.00	685.56

NORTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
E. End of E Appr. Slab	1141+95.95	71.00	685.65
A1	1142+06.03	71.26	685.76
A2	1142+16.11	71.54	685.87
W. End of E Appr. Slab	1142+26.18	71.84	685.98

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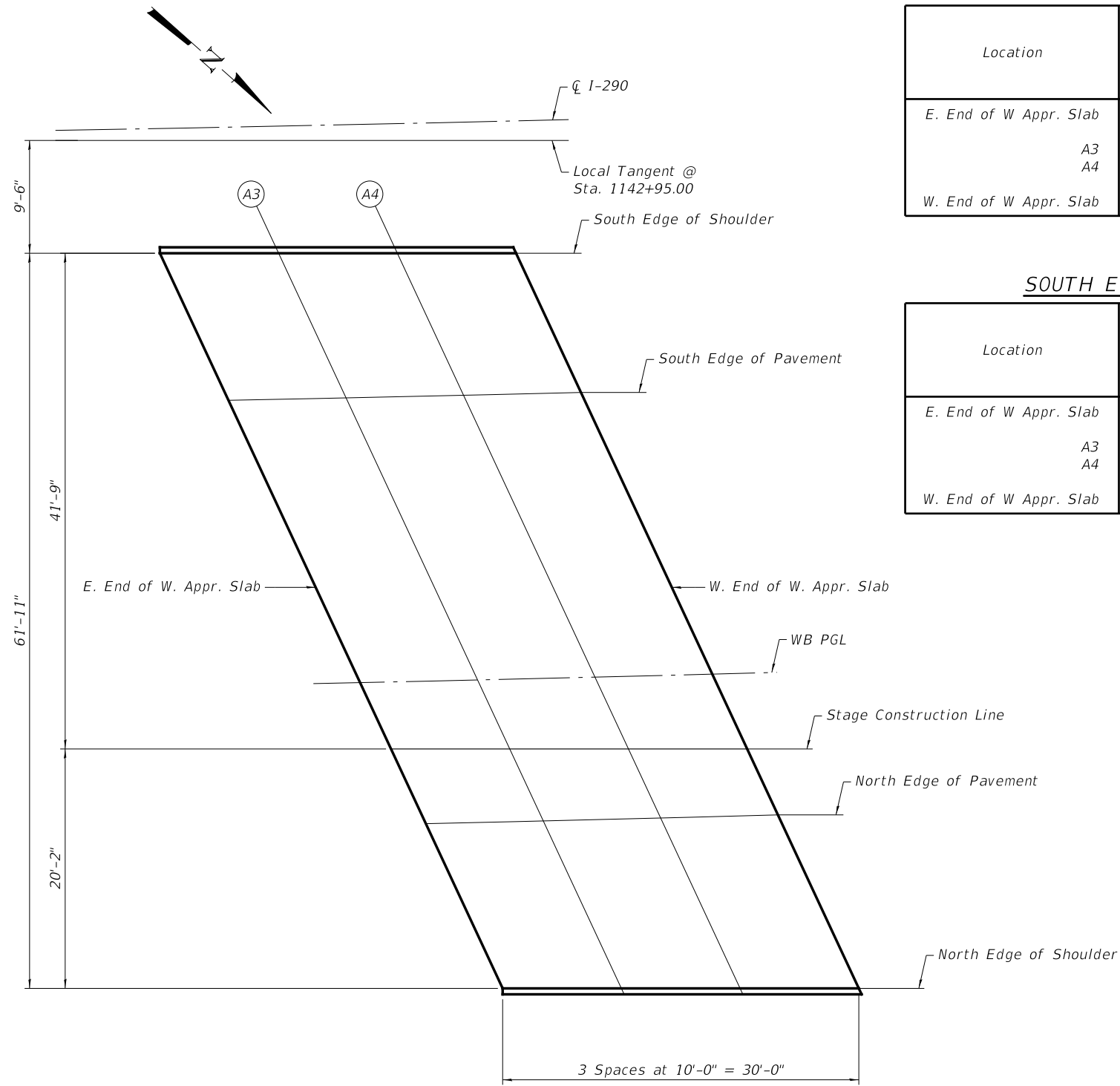
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF EAST APPROACH SLAB ELEVATIONS WB
STRUCTURE NO. 022-0577 WB

SHEET NO. 24 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	179
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				



PLAN - WEST APPROACH (WB)

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
E. End of W Appr. Slab	1144+02.22	10.51	686.01
A3	1144+12.20	10.70	686.12
A4	1144+22.18	10.91	686.22
W. End of W Appr. Slab	1144+32.16	11.14	686.33

WB PROFILE GRADE LINE

Location	Station	Offset	Theoretical Grade Elevations
E. End of W Appr. Slab	1144+18.27	47.00	687.19
A3	1144+28.09	47.00	687.29
A4	1144+37.90	47.00	687.39
W. End of W Appr. Slab	1144+47.71	47.00	687.49

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
E. End of W Appr. Slab	1144+07.74	23.00	686.42
A3	1144+17.61	23.00	686.52
A4	1144+27.47	23.00	686.61
W. End of W Appr. Slab	1144+37.32	23.00	686.71

STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations
E. End of W Appr. Slab	1144+20.73	52.64	687.38
A3	1144+30.64	52.87	687.48
A4	1144+40.54	53.12	687.59
W. End of W Appr. Slab	1144+50.45	53.38	687.69

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
E. End of W Appr. Slab	1144+23.50	59.00	687.58
A3	1144+33.30	59.00	687.68
A4	1144+43.08	59.00	687.78
W. End of W Appr. Slab	1144+52.86	59.00	687.87

NORTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
E. End of W Appr. Slab	1144+29.58	73.02	688.04
A3	1144+39.45	73.26	688.14
A4	1144+49.32	73.52	688.25
W. End of W Appr. Slab	1144+59.19	73.80	688.35

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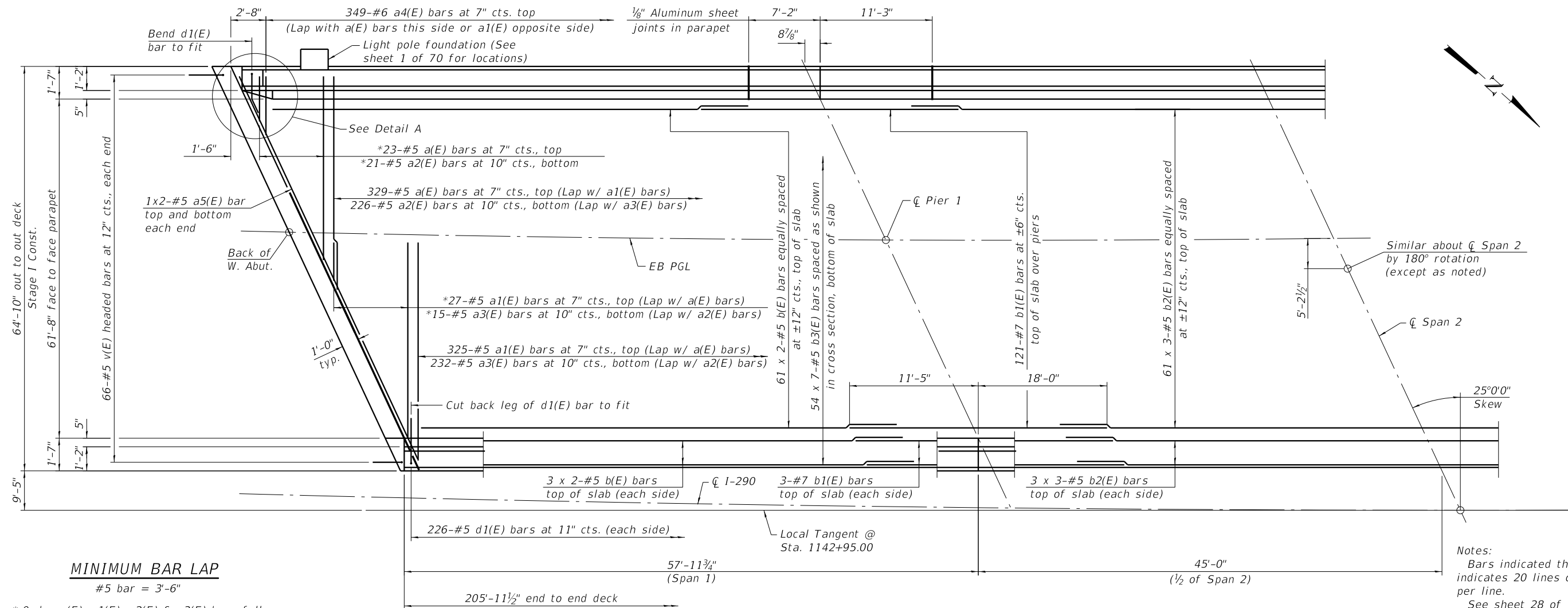
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STATE OF ILLINOIS
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TOP OF WEST APPROACH SLAB ELEVATIONS WB
STRUCTURE NO. 022-0577 WB

SHEET NO. 25 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				



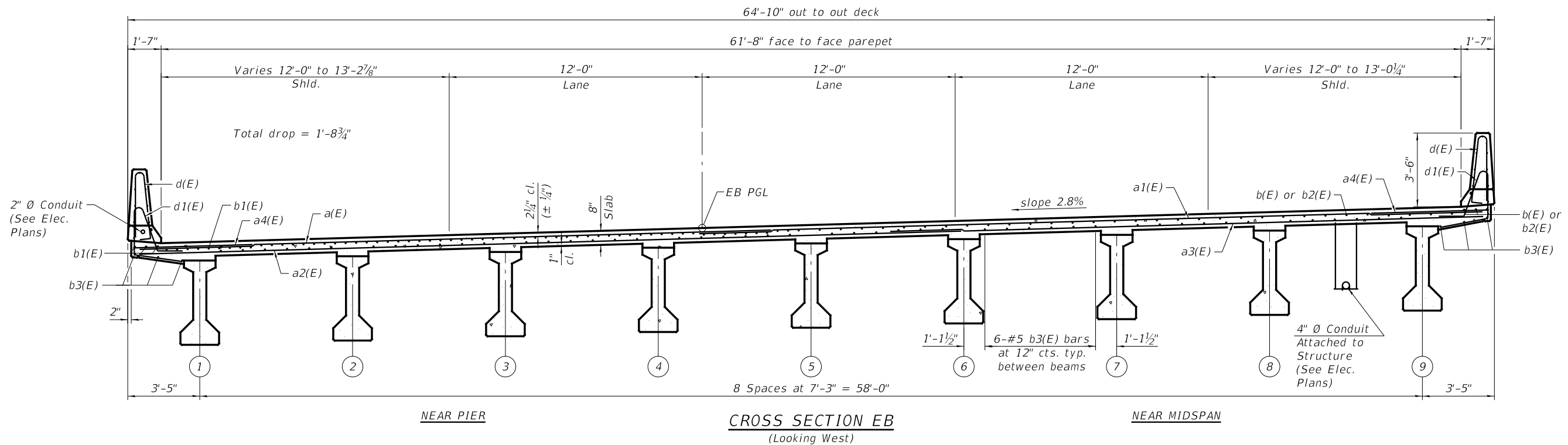
MINIMUM BAR LAP

#5 bar = 3'-6"

* Order a(E), a1(E), a2(E) & a3(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

Notes:
 Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
 See sheet 28 of 70 for Detail A.
 See sheet 31 of 70 for superstructure details and Bill of Material.

PARTIAL PLAN EB



CROSS SECTION EB
(Looking West)

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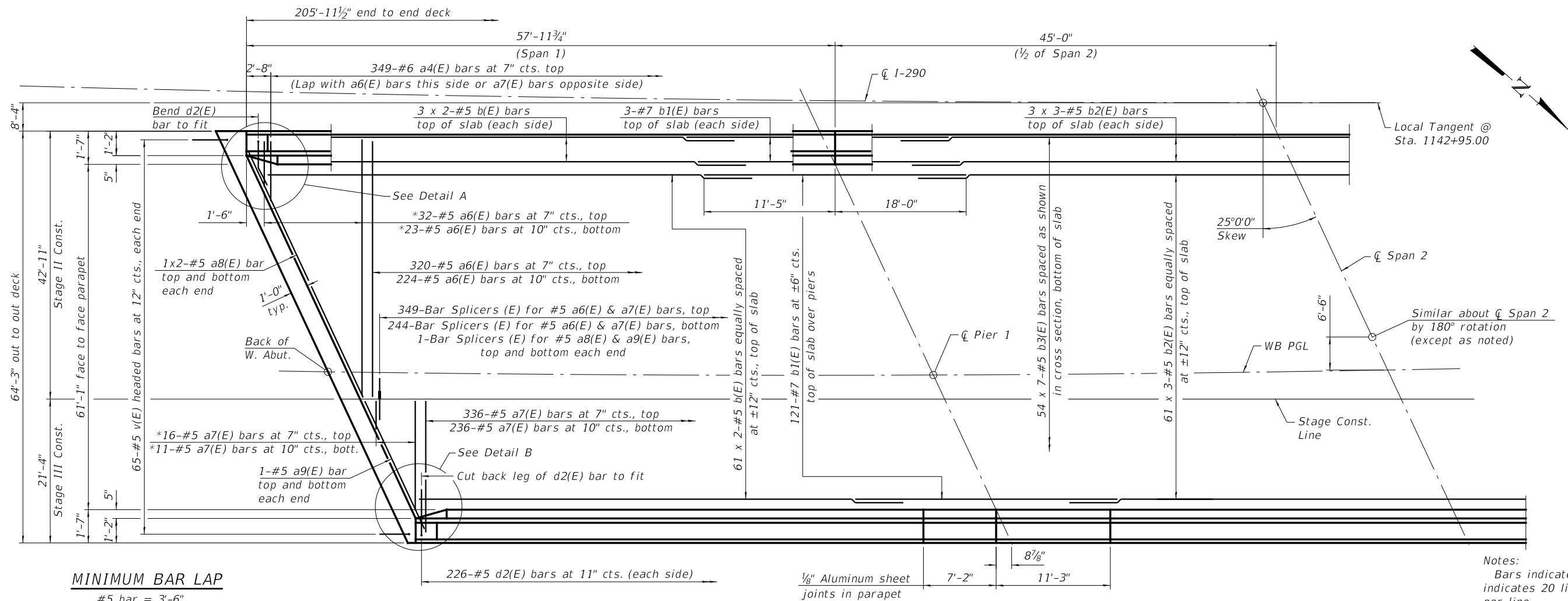
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SUPERSTRUCTURE EB
STRUCTURE NO. 022-0547 EB

SHEET NO. 26 OF 70 SHEETS

F.A. RTE. 290	SECTION (22-1B-1)B	COUNTY DuPage	TOTAL SHEETS 402	SHEET NO. 181
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				



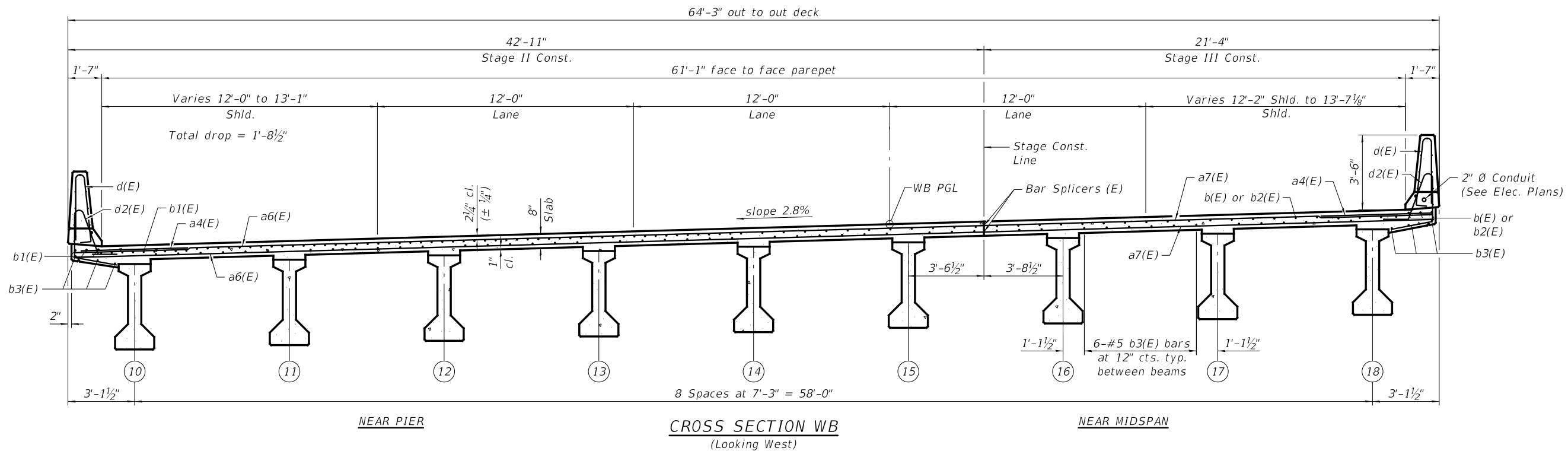
MINIMUM BAR LAP

#5 bar = 3'-6"

* Order a6(E) & a7(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

Notes:
 Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
 See sheet 28 of 70 for Detail A.
 See sheet 29 of 70 for Detail B.
 See sheet 31 of 70 for superstructure details and Bill of Material.

PARTIAL PLAN WB



CROSS SECTION WB
(Looking West)

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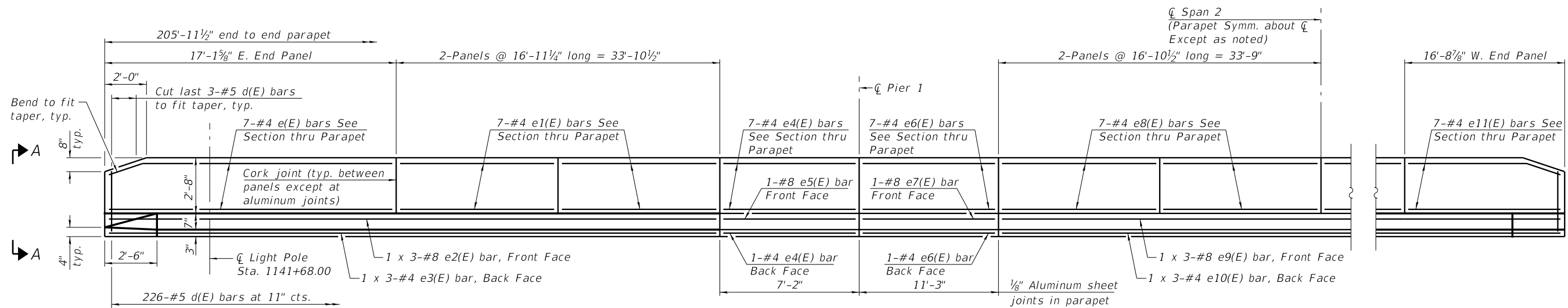


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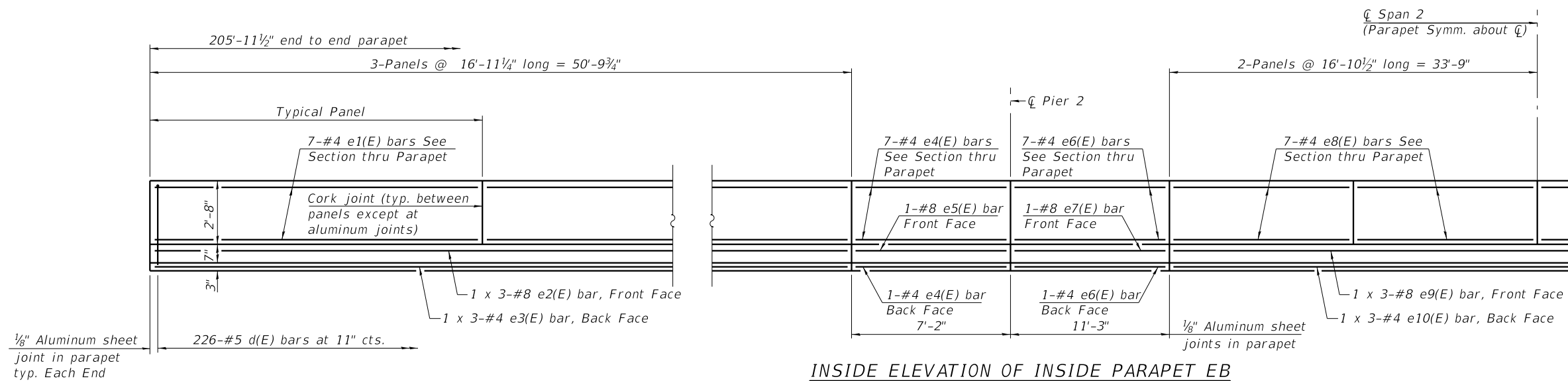
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SUPERSTRUCTURE WB
STRUCTURE NO. 022-0577 WB
 SHEET NO. 27 OF 70 SHEETS

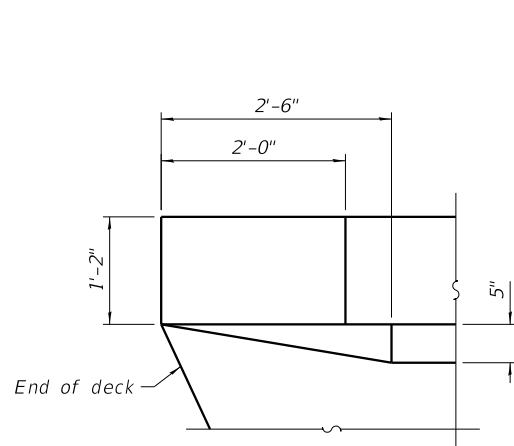
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CONTRACT NO. 62C24				
<small>ILLINOIS FED. AID PROJECT</small>				



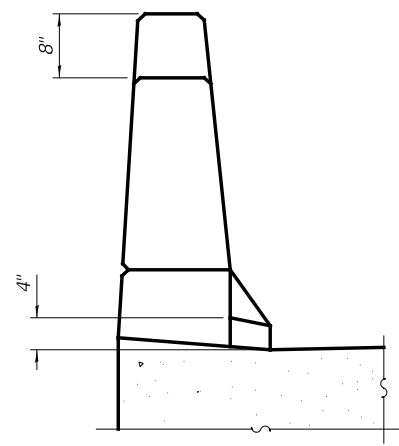
INSIDE ELEVATION OF OUTSIDE PARAPET EB



INSIDE ELEVATION OF INSIDE PARAPET EB



DETAIL A



VIEW A-A

MINIMUM BAR LAP

#4 bar = 2'-5"
#8 bar = 5'-11"

Note:
See sheet 31 of 70 for Section thru Parapet and Bill of Material.

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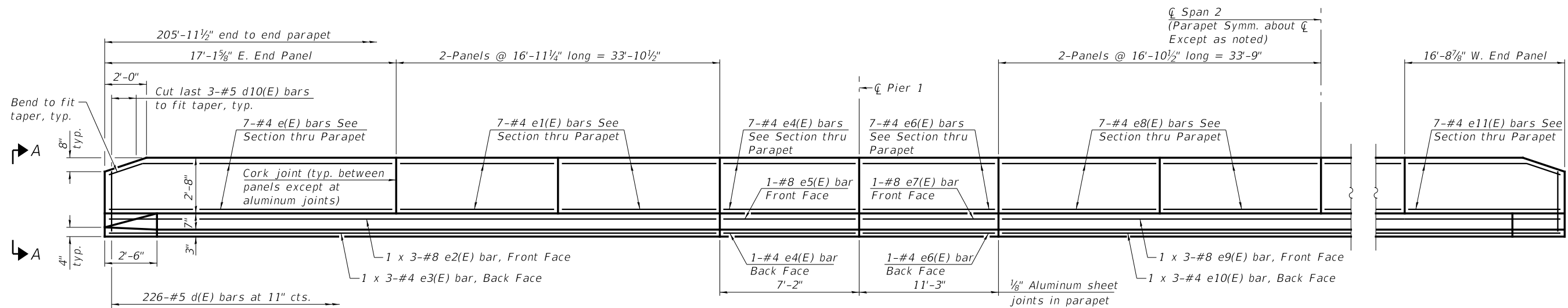
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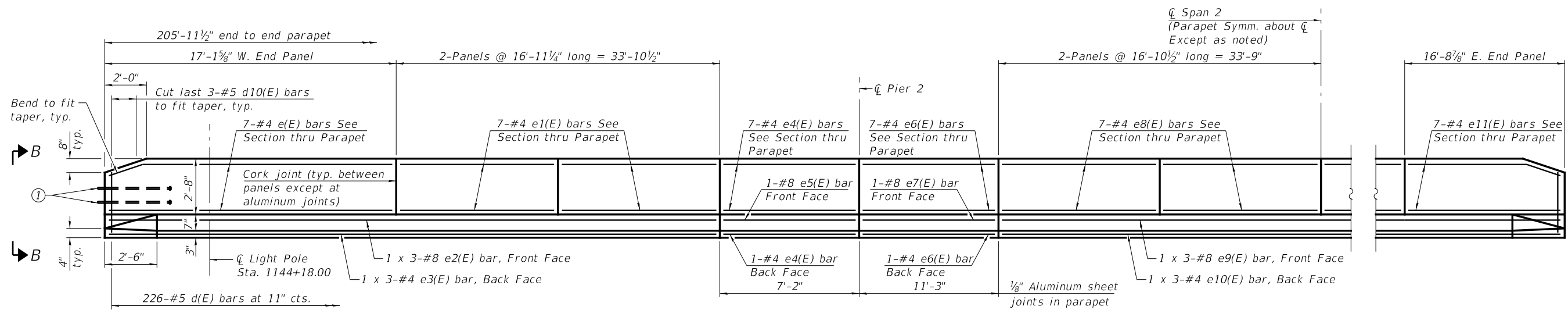
**PARAPET DETAILS EB
STRUCTURE NO. 022-0547 EB**

SHEET NO. 28 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

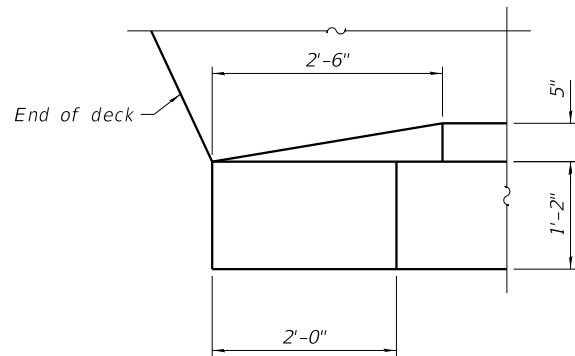


INSIDE ELEVATION OF INSIDE PARAPET WB

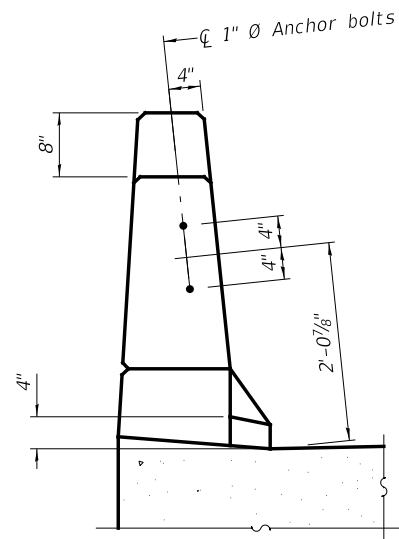


INSIDE ELEVATION OF OUTSIDE PARAPET WB

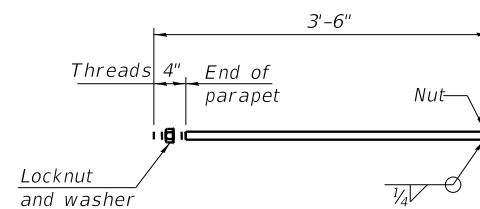
① 1" Ø Anchor bolts for Type 5 terminal connection, See View B-B and Highway Standard 631026.



DETAIL B



VIEW B-B



***1" Ø ANCHOR BOLT**
 (Anchor bolt assemblies shall be galvanized according to Article 1006.09 of the Standard Specifications)

* Cost included with Concrete Superstructure

MINIMUM BAR LAP

#4 bar = 2'-5"
 #8 bar = 5'-11"

Notes:
 See sheet 28 of 70 for View A-A.
 See sheet 31 of 70 for Section thru Parapet and Bill of Material.

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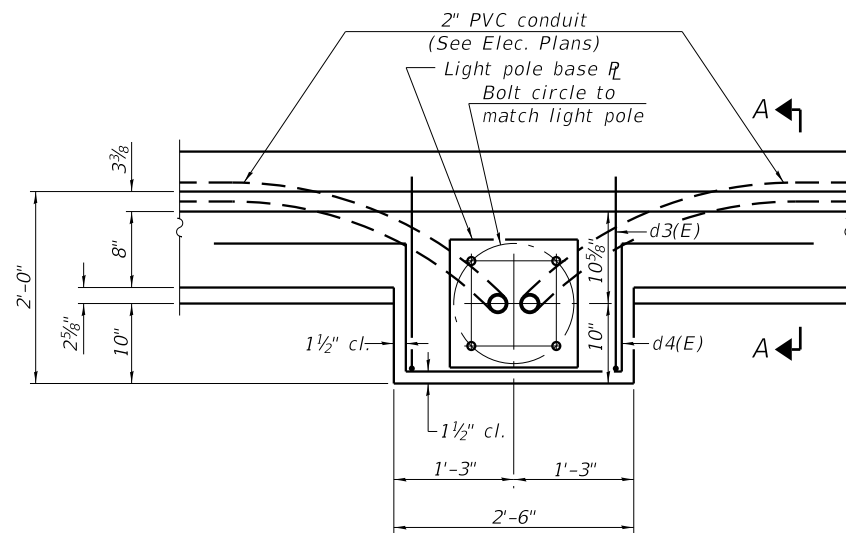
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STATE OF ILLINOIS
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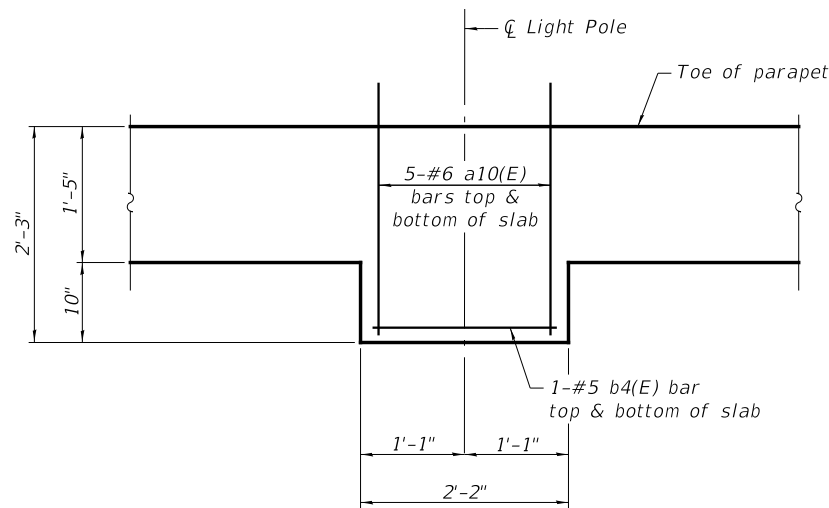
PARAPET DETAILS WB
 STRUCTURE NO. 022-0577 WB

SHEET NO. 29 OF 70 SHEETS

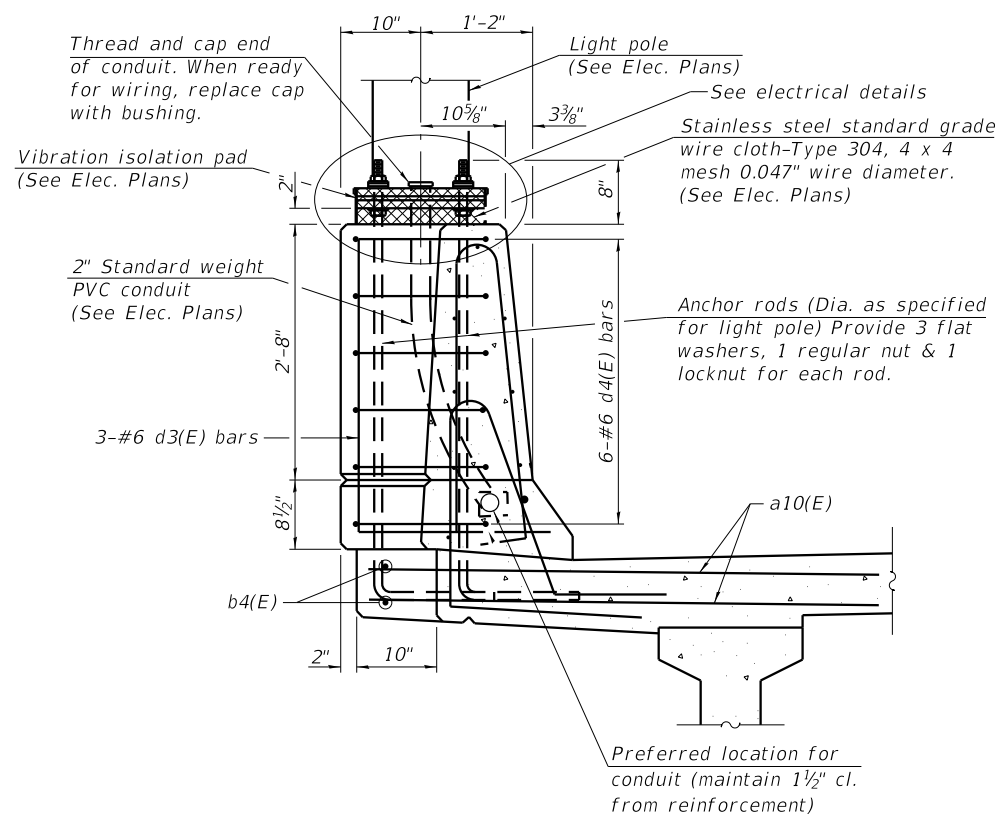
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				



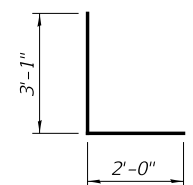
PLAN
(2 Locations)



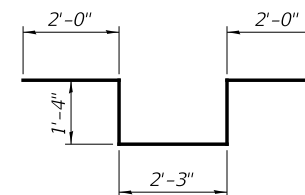
PARTIAL SLAB PLAN
AT LIGHT POLE



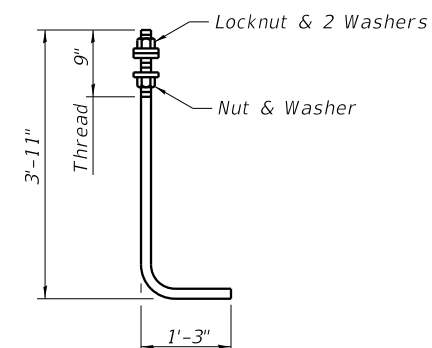
SECTION A-A



BAR d3(E)



BAR d4(E)



ANCHOR ROD
Diameter as specified for light poles.
(ASTM F 1554 Grade 105)

Notes:
Cost of anchor rods and conduit is included with Concrete Superstructure.
See sheet 1 of 7 for light pole locations.
See sheet 31 of 70 for superstructure details and Bill of Material.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS I
STRUCTURE NO. 022-0547 EB & 022-0577 WB

SHEET NO. 30 OF 70 SHEETS

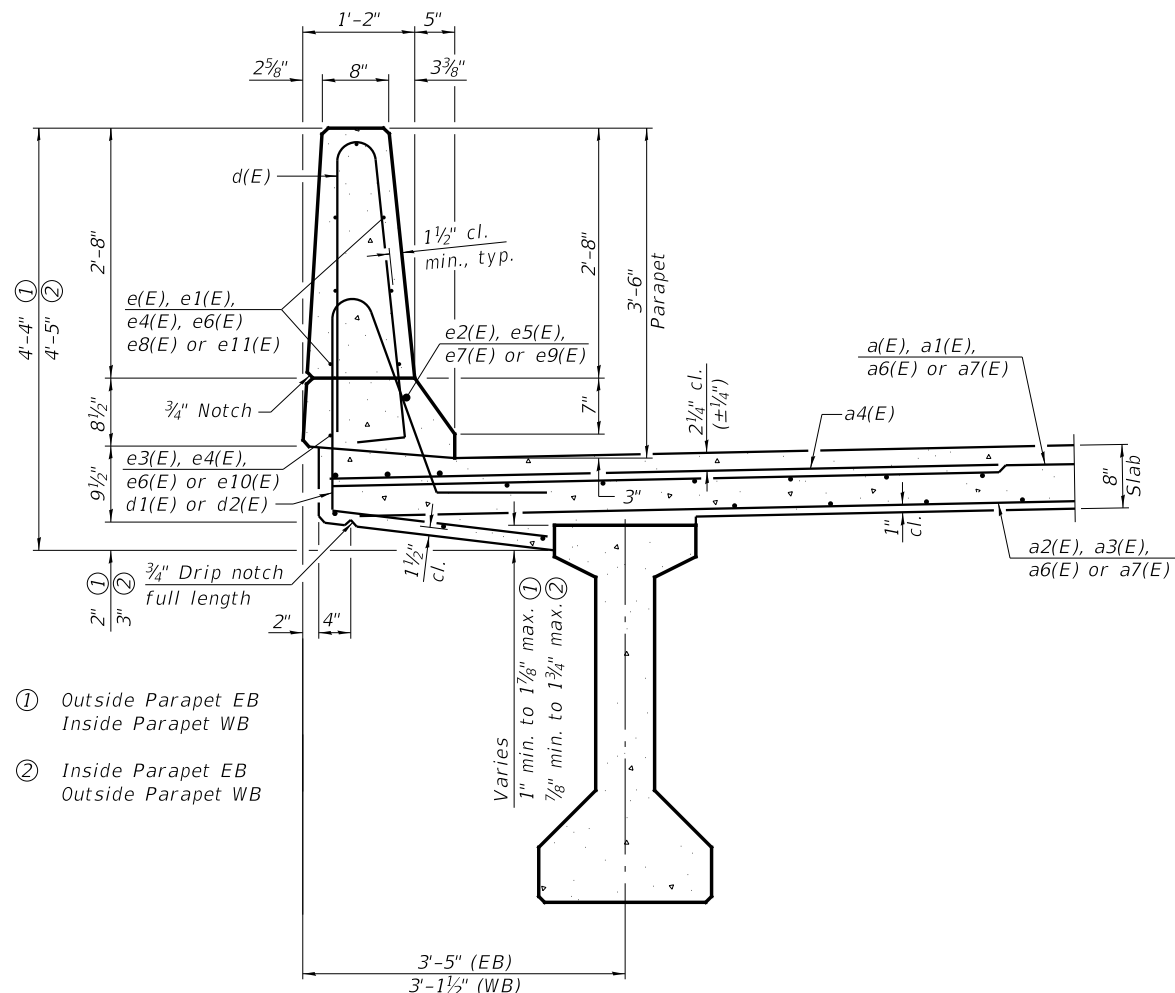
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	185
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

**SUPERSTRUCTURE EB
BILL OF MATERIAL**

**SUPERSTRUCTURE WB
BILL OF MATERIAL**

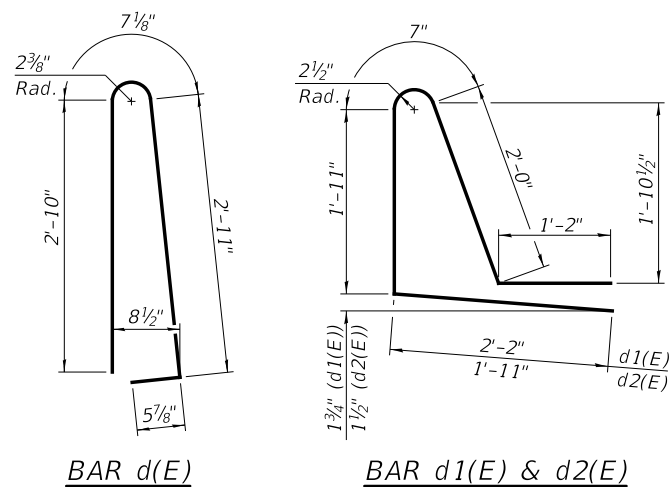
Bar	No.	Size	Length	Shape
a(E)	352	#5	30'-3"	—
a1(E)	352	#5	37'-6"	—
a2(E)	247	#5	39'-4"	—
a3(E)	247	#5	28'-4"	—
a4(E)	698	#6	6'-6"	—
a5(E)	8	#5	37'-5"	—
a10(E)	10	#6	7'-4"	—
b(E)	268	#5	26'-8"	—
b1(E)	254	#7	29'-5"	—
b2(E)	201	#5	22'-8"	—
b3(E)	378	#5	32'-6"	—
b4(E)	2	#5	1'-11"	—
d(E)	452	#5	6'-10"	⌋
d1(E)	452	#5	7'-10"	⌋
d3(E)	3	#6	5'-1"	⌋
d4(E)	6	#6	8'-11"	⌋
e(E)	7	#4	16'-10"	—
e1(E)	70	#4	16'-8"	—
e2(E)	12	#8	20'-11"	—
e3(E)	12	#4	18'-7"	—
e4(E)	32	#4	6'-11"	—
e5(E)	4	#8	6'-11"	—
e6(E)	32	#4	11'-0"	—
e7(E)	4	#8	11'-0"	—
e8(E)	56	#4	16'-7"	—
e9(E)	6	#8	26'-5"	—
e10(E)	6	#4	24'-1"	—
e11(E)	7	#4	16'-6"	—
m(E)	24	#6	37'-7"	—
m1(E)	64	#6	7'-0"	—
m2(E)	16	#6	3'-0"	—
m3(E)	16	#6	5'-9"	—
m4(E)	4	#6	2'-4"	—
m5(E)	36	#5	4'-0"	—
m10(E)	32	#6	5'-8"	—
m11(E)	128	#6	6'-11"	—
m12(E)	36	#5	4'-0"	—
s(E)	108	#5	10'-9"	⌋
s1(E)	108	#5	12'-3"	⌋
s2(E)	112	#5	12'-6"	⌋
v(E)	132	#5	3'-1"	⌋
Reinforcement Bars, Epoxy Coated	Lbs.	108,960		
Concrete Superstructure	Cu. Yds.	529.3		
Bridge Deck Grooving	Sq. Yd.	1,366		
Protective Coat	Sq. Yd.	1,610		

Bar	No.	Size	Length	Shape
a4(E)	698	#6	6'-6"	—
a6(E)	599	#5	42'-7"	—
a7(E)	599	#5	20'-0"	—
a8(E)	8	#5	25'-3"	—
a9(E)	4	#5	23'-2"	—
a10(E)	10	#6	7'-4"	—
b(E)	268	#5	26'-8"	—
b1(E)	254	#7	29'-5"	—
b2(E)	201	#5	22'-8"	—
b3(E)	378	#5	32'-6"	—
b4(E)	2	#5	1'-11"	—
d(E)	452	#5	6'-10"	⌋
d2(E)	452	#5	7'-7"	⌋
d3(E)	3	#6	5'-1"	⌋
d4(E)	6	#6	8'-11"	⌋
e(E)	14	#4	16'-10"	—
e1(E)	56	#4	16'-8"	—
e2(E)	12	#8	20'-11"	—
e3(E)	12	#4	18'-7"	—
e4(E)	32	#4	6'-11"	—
e5(E)	4	#8	6'-11"	—
e6(E)	32	#4	11'-0"	—
e7(E)	4	#8	11'-0"	—
e8(E)	56	#4	16'-7"	—
e9(E)	6	#8	26'-5"	—
e10(E)	6	#4	24'-1"	—
e11(E)	14	#4	16'-6"	—
m1(E)	64	#6	7'-0"	—
m3(E)	16	#6	5'-9"	—
m5(E)	36	#5	4'-0"	—
m6(E)	24	#6	25'-7"	—
m7(E)	12	#6	23'-3"	—
m8(E)	16	#6	2'-9"	—
m9(E)	4	#6	2'-1"	—
m10(E)	32	#6	5'-8"	—
m11(E)	128	#6	6'-11"	—
m12(E)	36	#5	4'-0"	—
s(E)	108	#5	10'-9"	⌋
s1(E)	108	#5	12'-3"	⌋
s2(E)	112	#5	12'-6"	⌋
v(E)	130	#5	3'-1"	⌋
Reinforcement Bars, Epoxy Coated	Lbs.	105,600		
Concrete Superstructure	Cu. Yds.	525.0		
Bar Splicers	Each	639		
Bridge Deck Grooving	Sq. Yd.	1,353		
Protective Coat	Sq. Yd.	1,596		

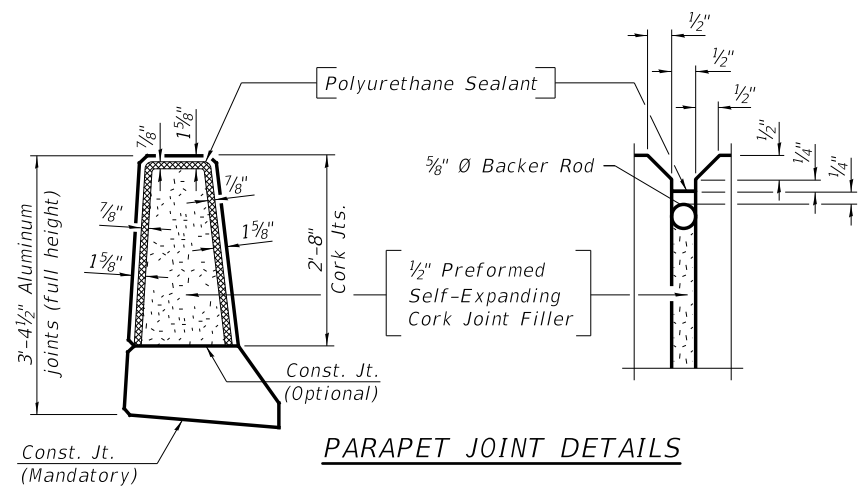


SECTION THRU PARAPET

(Outside Parapet EB & Inside Parapet WB shown, Inside Parapet EB & Outside Parapet WB similar but opposite hand)



BAR d(E)
BAR d1(E) & d2(E)
BAR s2(E)
BAR s(E)
BAR s1(E)
BAR v(E)
(Headed)



PARAPET JOINT DETAILS

Notes:
The 1/8" Aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
The Polyurethane Sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.
Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.

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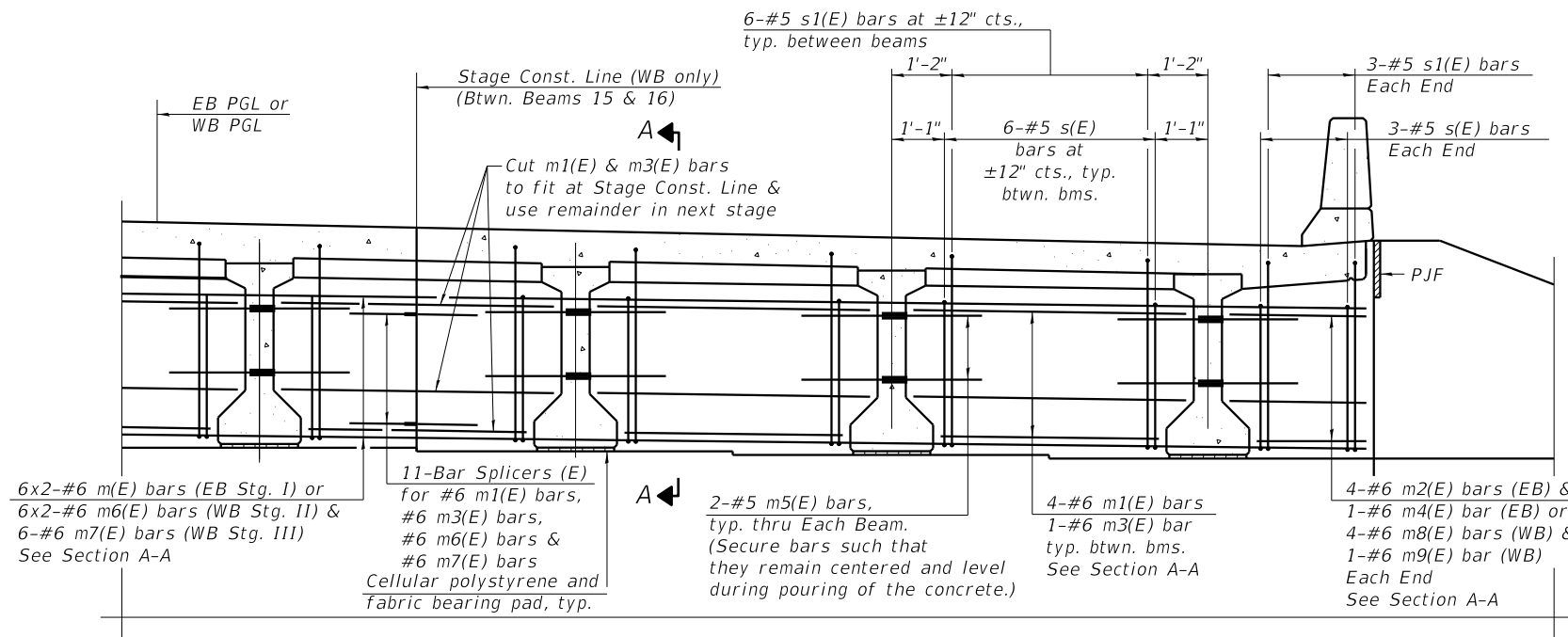
**STATE OF ILLINOIS
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**SUPERSTRUCTURE DETAILS II
STRUCTURE NO. 022-0547 EB & 022-0577 WB**

SHEET NO. 31 OF 70 SHEETS

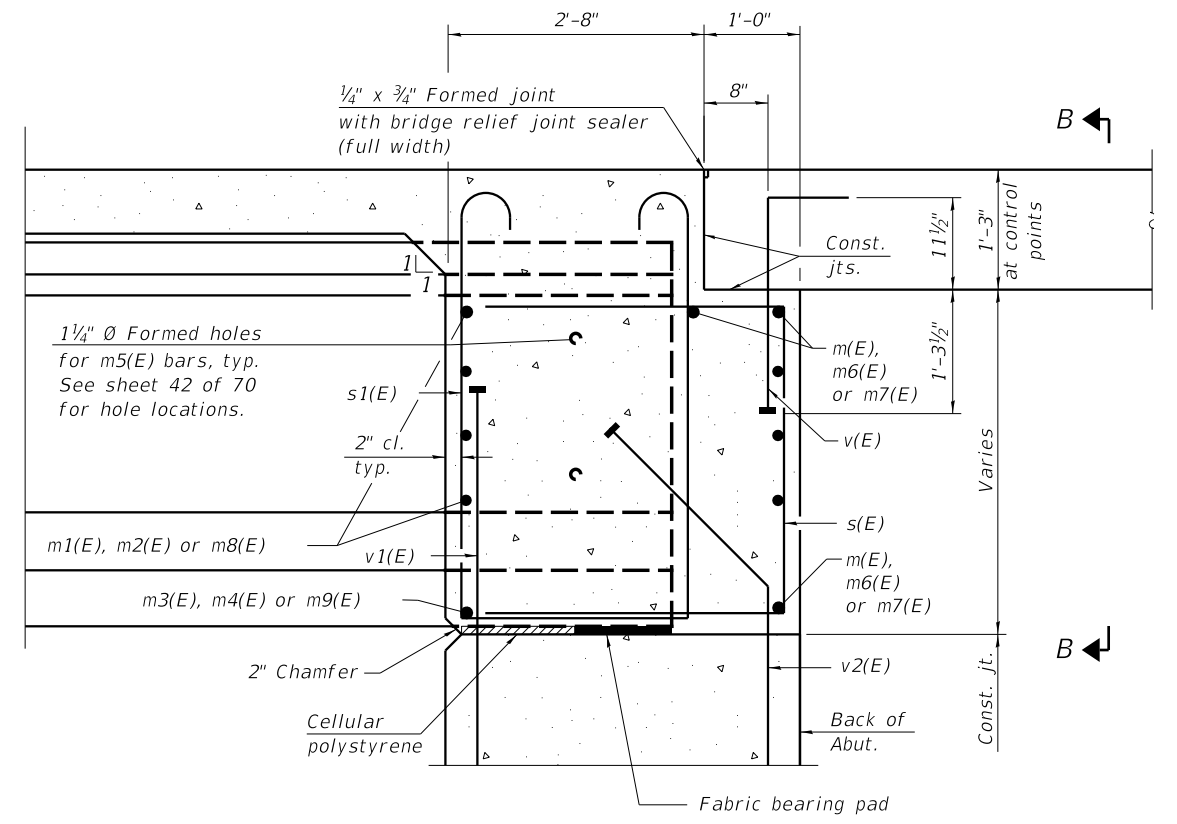
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	186
CONTRACT NO. 62C24				

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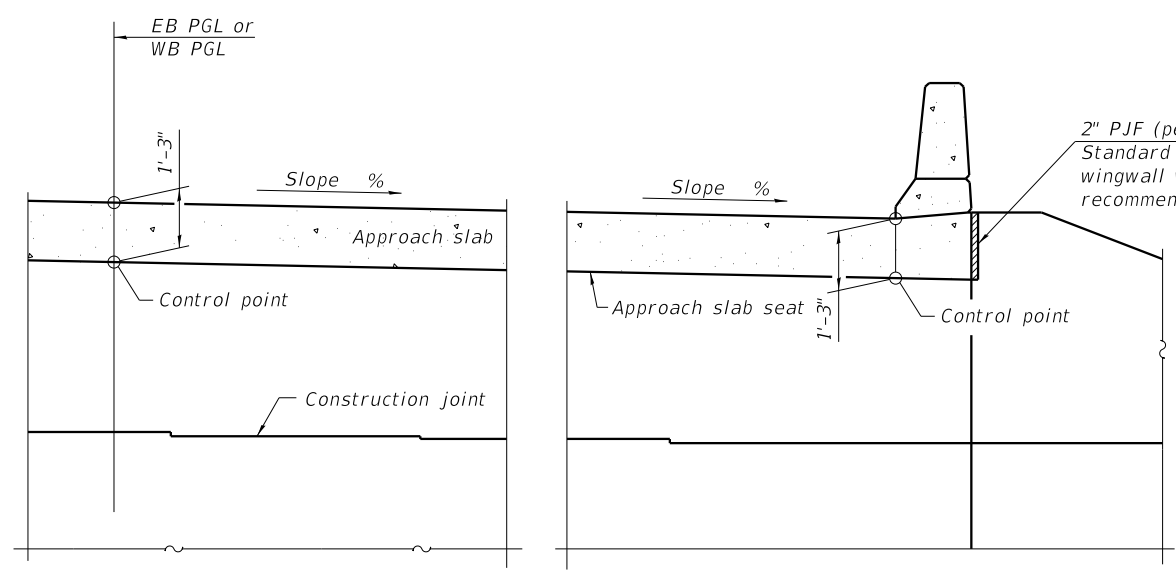


DIAPHRAGM AT ABUTMENT

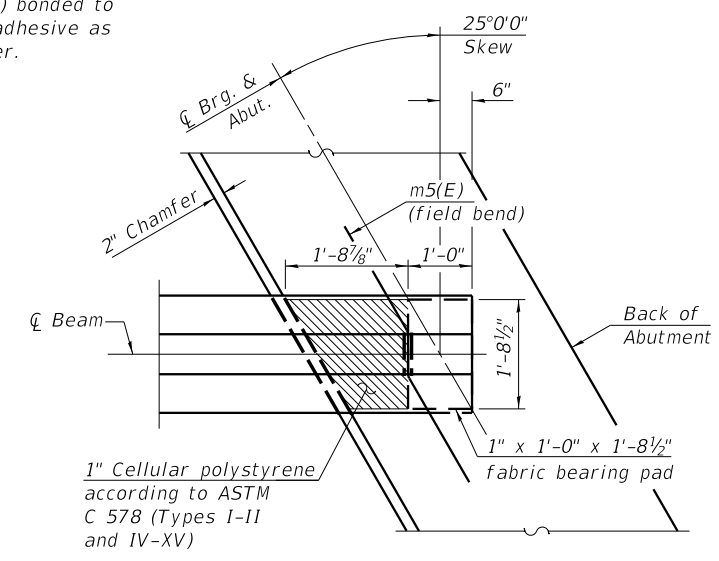
MINIMUM BAR LAP
#6 bar = 4'-0"



SECTION A-A
(at Rt. L's)



SECTION B-B



PLAN AT ABUTMENT
(Showing bottom flange of beam)

Notes:
Reinforcement bars in diaphragm are billed with superstructure on sheet 31 of 70.
Concrete in diaphragm is included with Concrete Superstructure on sheet 31 of 70.
For details of bars s(E), s1(E) and v(E) see sheet 31 of 70.
The s(E) and s1(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.
The approach slab seat shall have a constant slope determined from the control points shown.
Cost of cellular polystyrene is included with Concrete Superstructure.
Beams shall be braced for stability during erection and remain braced until deck is poured and cured.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.

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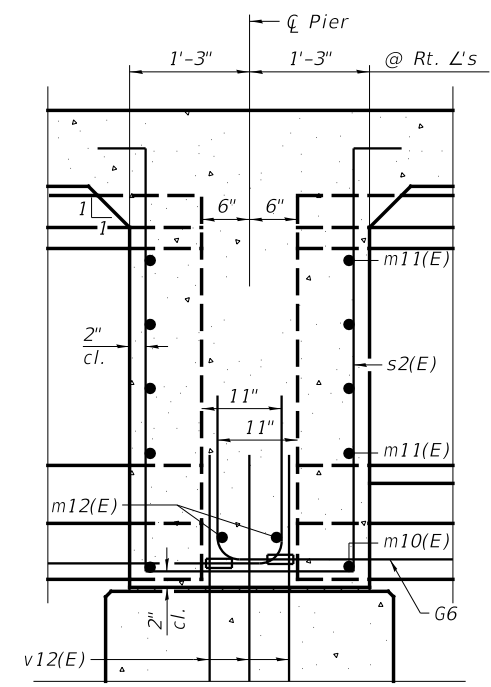
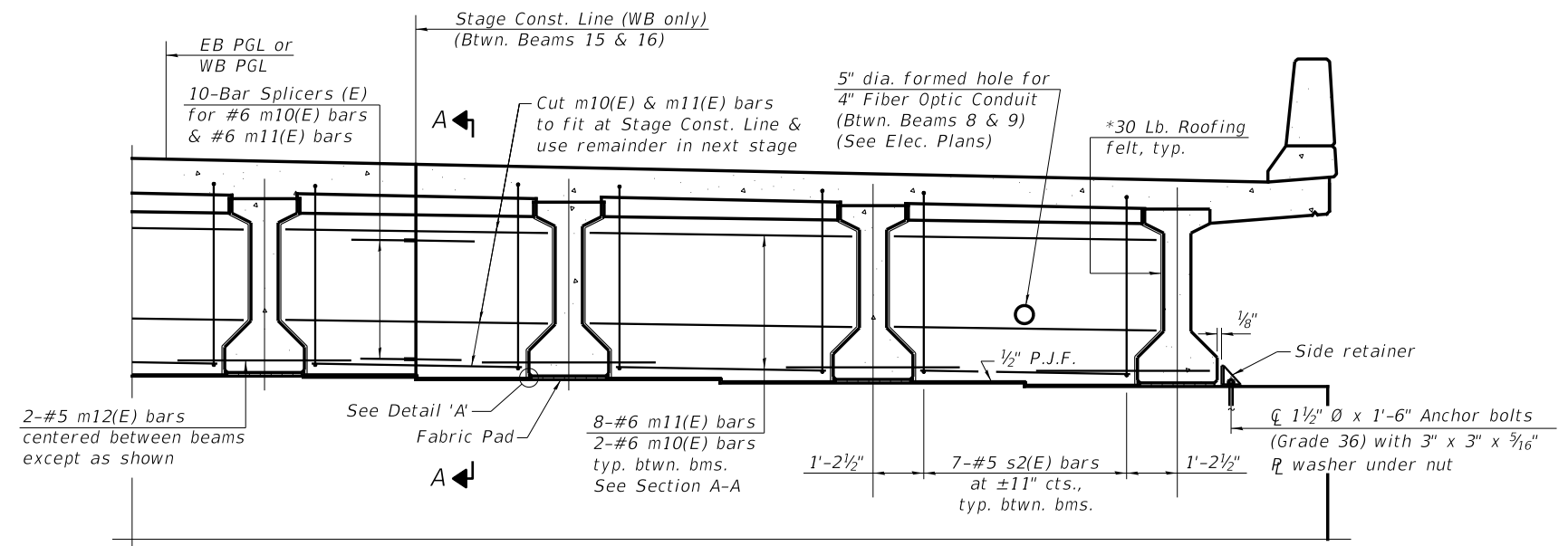
STATE OF ILLINOIS
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DIAPHRAGM DETAILS I
STRUCTURE NO. 022-0547 EB & 022-0577 WB

SHEET NO. 32 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	187
CONTRACT NO. 62C24				

ILLINOIS FED. AID PROJECT

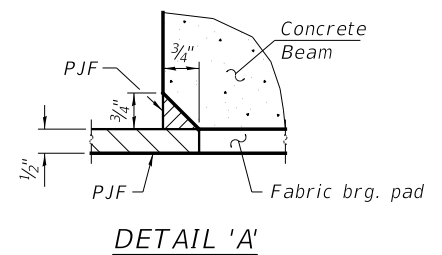


DIAPHRAGM AT PIER

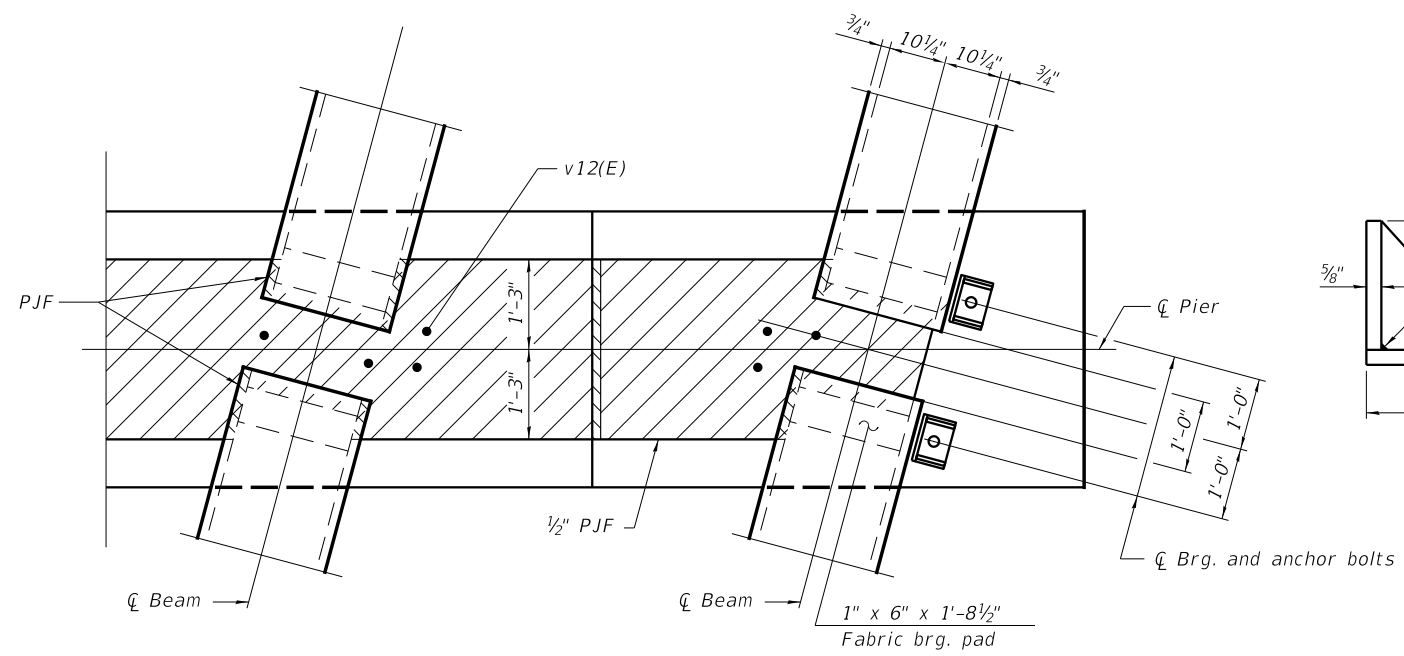
*Bonded to sides of beams embedded into diaphragm.

SECTION A-A

(Dimensions along ϕ of beam except as shown)

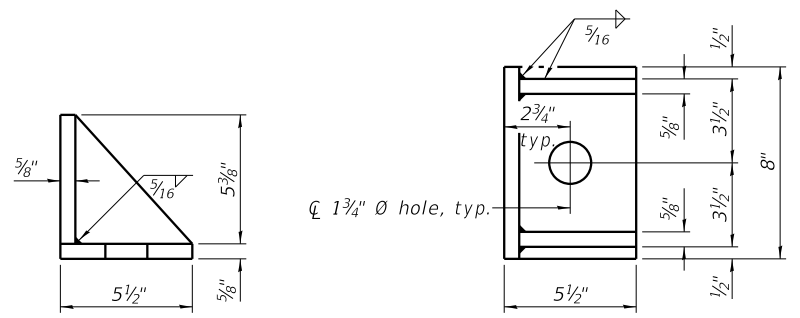


DETAIL 'A'



PLAN AT PIER

(Showing bearing pads and P.J.F. details)



SIDE RETAINER

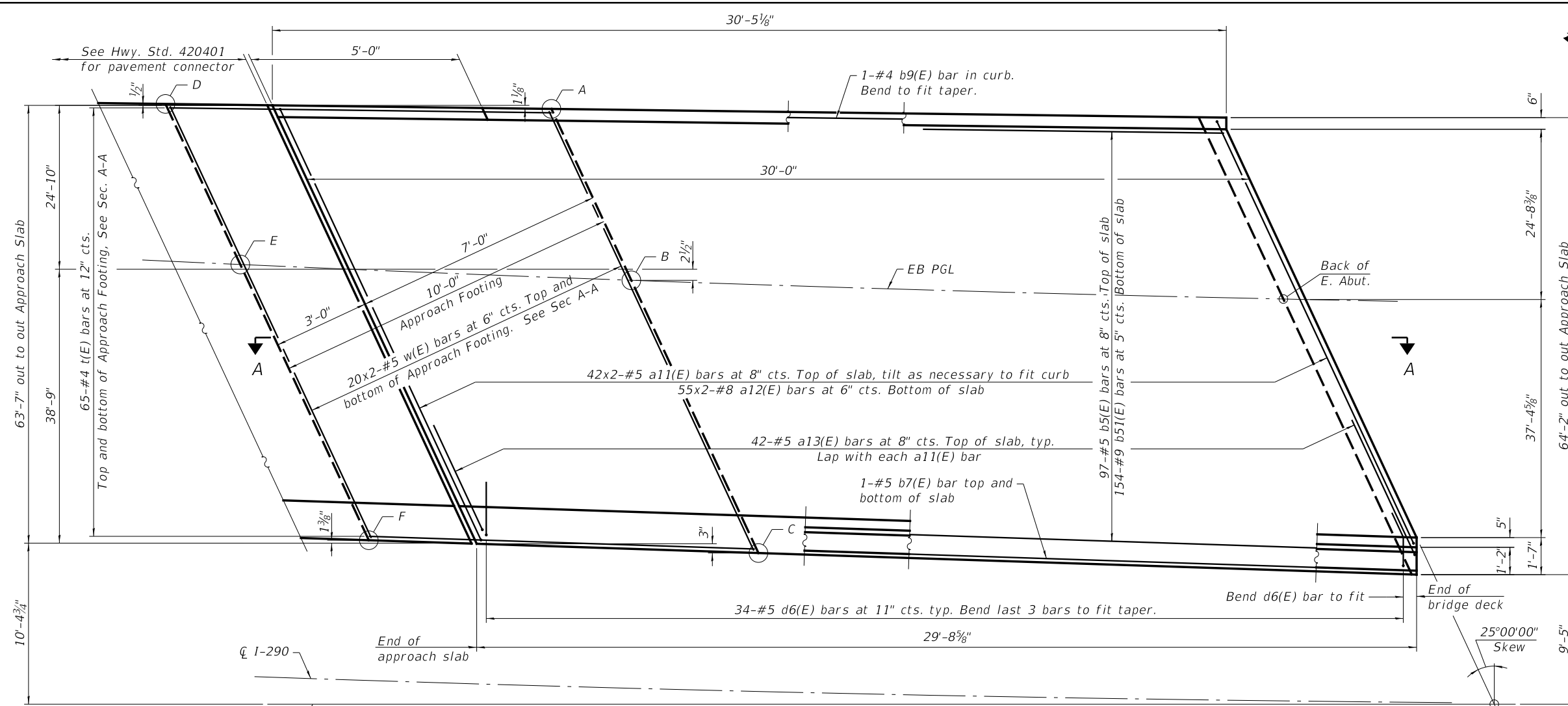
(2 required each side of pier).
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

Notes:

- See sheet 31 of 70 for superstructure details and Bill of Material.
- Cost of 30 Lb. roofing felt is included with Concrete Superstructure.
- Cost of side retainer and anchor bolts shall be included with Concrete Structures.
- The s2(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.
- Anchor bolts and side retainers shall be according to Article 521.06 of the Standard Specifications. Side retainers shall be hot dip galvanized.
- Anchor bolts and side retainers shall be installed as each exterior beam is erected unless an equivalent temporary means of lateral restraint is used.

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	WSP USA Inc. 30 N. LASALLE STREET SUITE 400 CHICAGO, IL 60602 TEL: (312) 782-8180 FAX: (312) 782-1884	USER NAME = pateld DESIGNED - P.JL CHECKED - PAL DRAWN - DCP CHECKED - AH	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DIAPHRAGM DETAILS II STRUCTURE NO. 022-0547 EB & 022-0577 WB	F.A. RTE. = 290 SECTION = (22-1B-1)B COUNTY = DuPage TOTAL SHEETS = 402 SHEET NO. = 188	CONTRACT NO. 62C24 ILLINOIS FED. AID PROJECT
	PLOT SCALE = N.T.S. PLOT DATE = 12/15/2017	SHEET NO. 33 OF 70 SHEETS					



MINIMUM BAR LAP

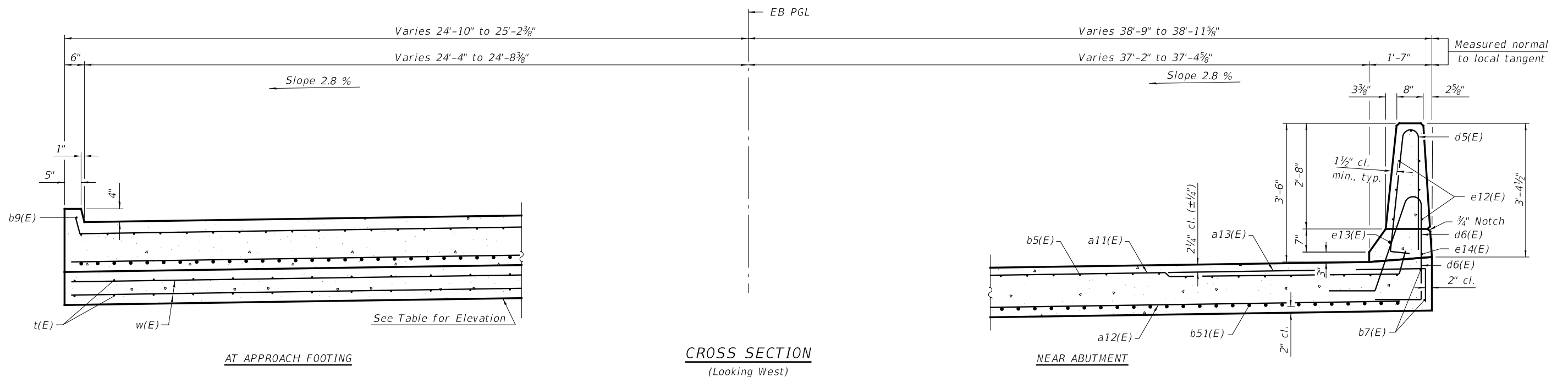
#5 bar = 3'-4"
#8 bar = 4'-9"

Notes:
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
See sheet 36 of 70 for Section A-A and Bill of Material.

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

Point	East Approach	
	Top	Bottom
A	682.42	681.59
B	683.23	682.40
C	684.50	683.66
D	682.31	681.48
E	683.12	682.29
F	684.38	683.55

PLAN - EAST APPROACH (EB)



AT APPROACH FOOTING

CROSS SECTION (Looking West)

NEAR ABUTMENT

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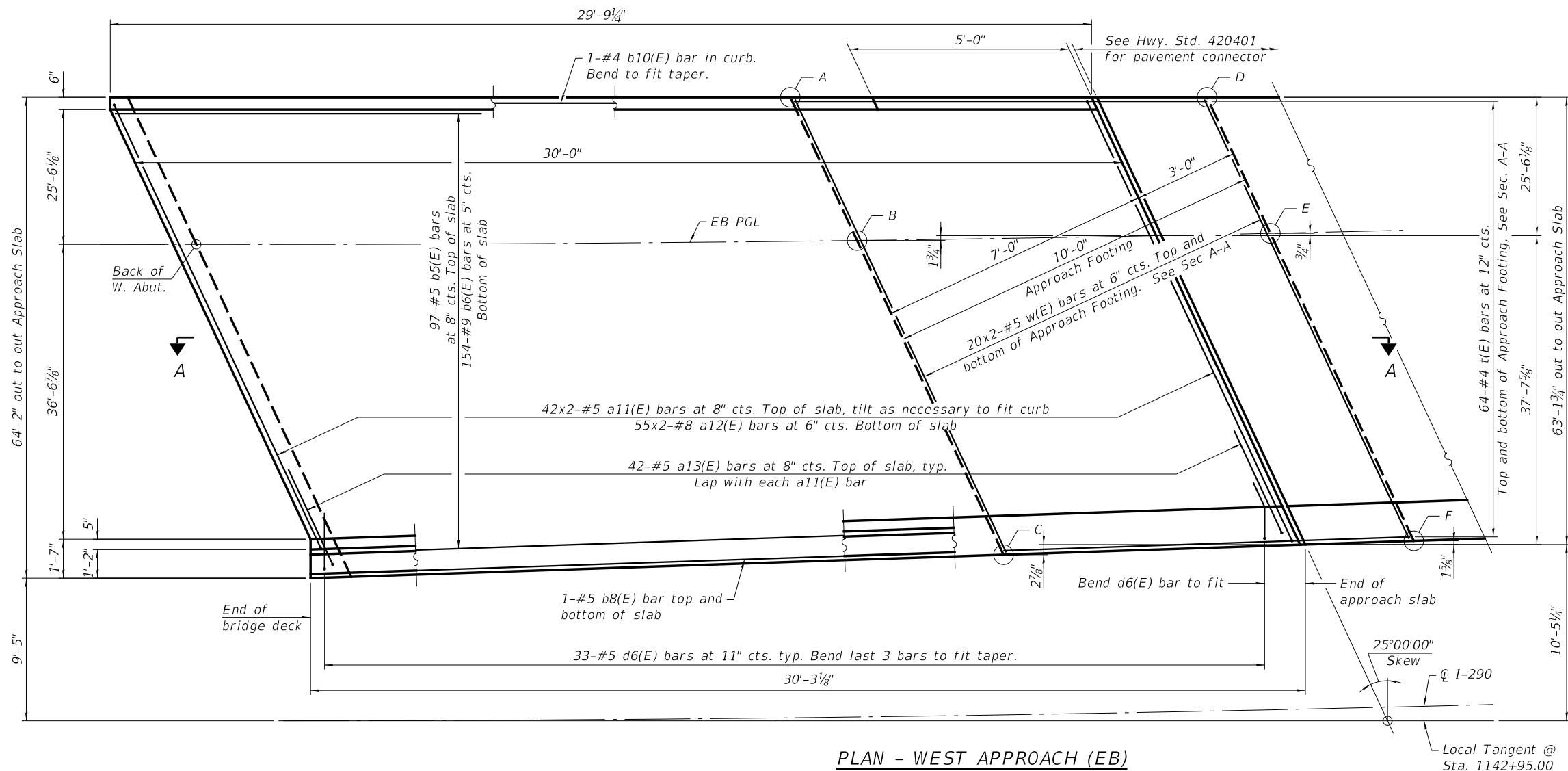
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**BRIDGE APPROACH SLAB DETAILS I
STRUCTURE NO. 022-0547 EB**

SHEET NO. 34 OF 70 SHEETS

F.A. RTE. 290	SECTION (22-1B-1)B	COUNTY DuPage	TOTAL SHEETS 402	SHEET NO. 189
CONTRACT NO. 62C24				

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PLAN - WEST APPROACH (EB)

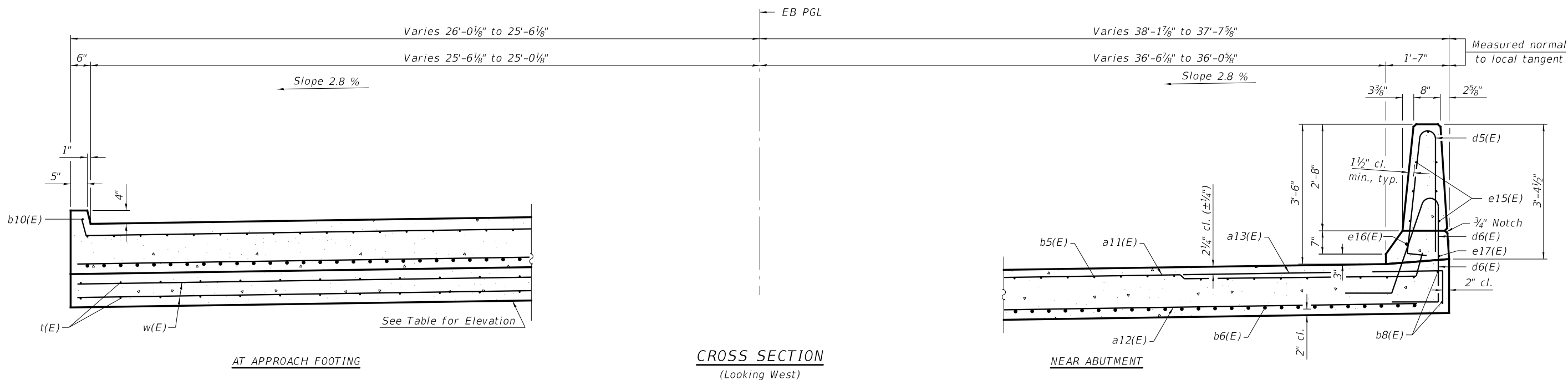
MINIMUM BAR LAP

#5 bar = 3'-4"
#8 bar = 4'-9"

Notes:
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
See sheet 36 of 70 for Section A-A and Bill of Material.

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

Point	West Approach	
	Top	Bottom
A	684.91	684.08
B	685.75	684.92
C	686.99	686.15
D	685.03	684.19
E	685.86	685.03
F	687.09	686.26



AT APPROACH FOOTING

CROSS SECTION
(Looking West)

NEAR ABUTMENT

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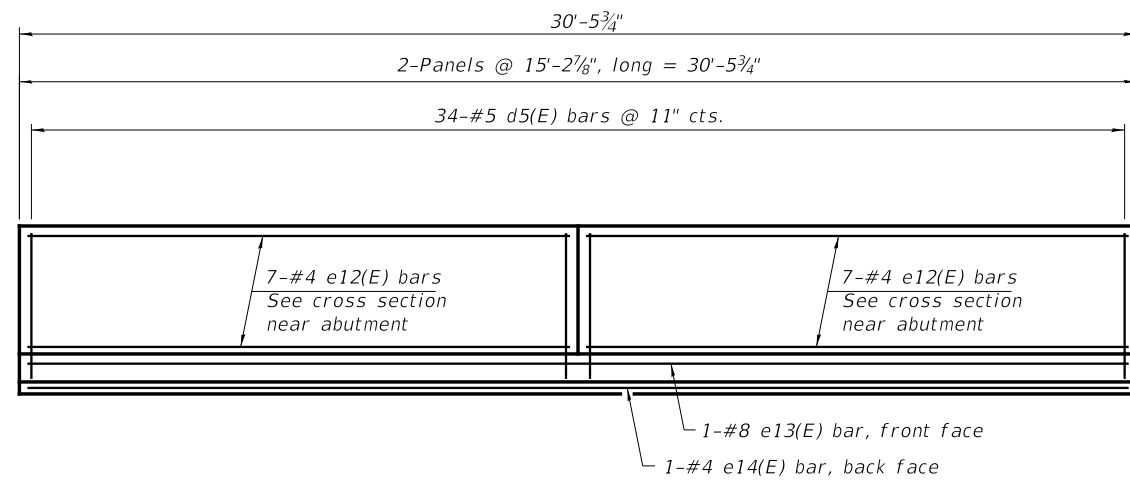
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PLOT DATE = 12/15/2017	DRAWN - DCP	REVISED -
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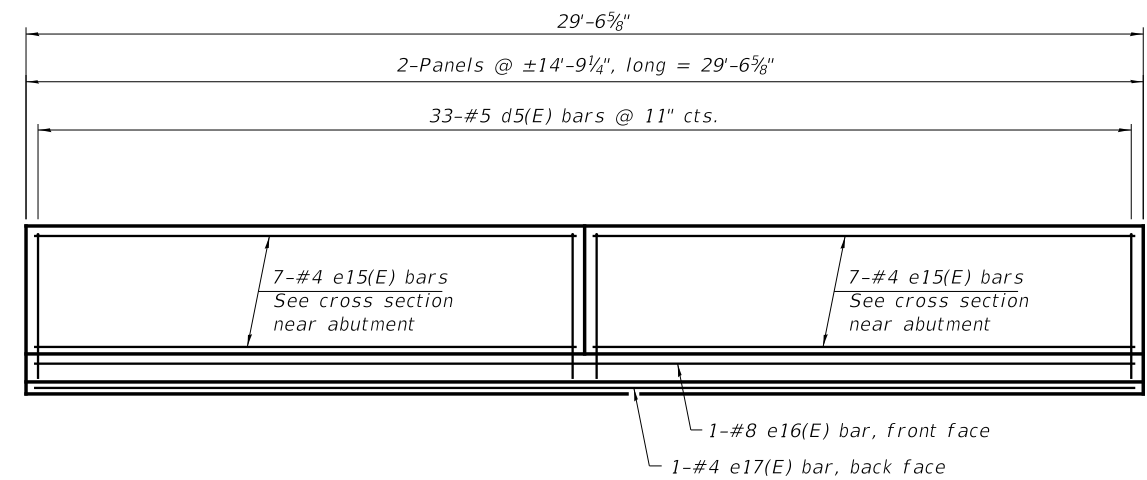
BRIDGE APPROACH SLAB DETAILS II
STRUCTURE NO. 022-0547 EB

SHEET NO. 35 OF 70 SHEETS

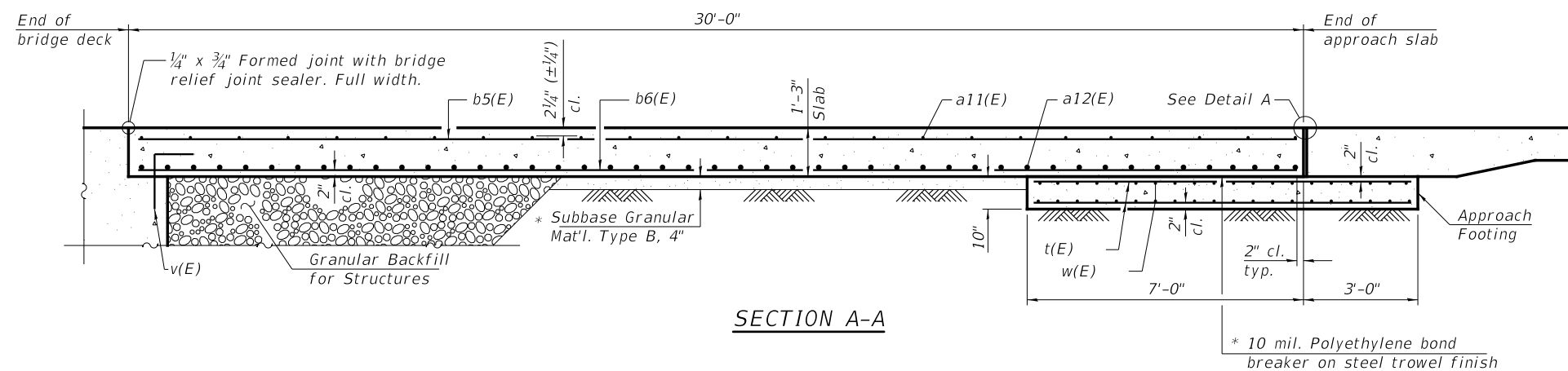
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1B)	DuPage	402	190
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ILLINOIS FED. AID PROJECT				



INSIDE ELEVATION OF INSIDE PARAPET EB
(East Approach)



INSIDE ELEVATION OF INSIDE PARAPET EB
(West Approach)



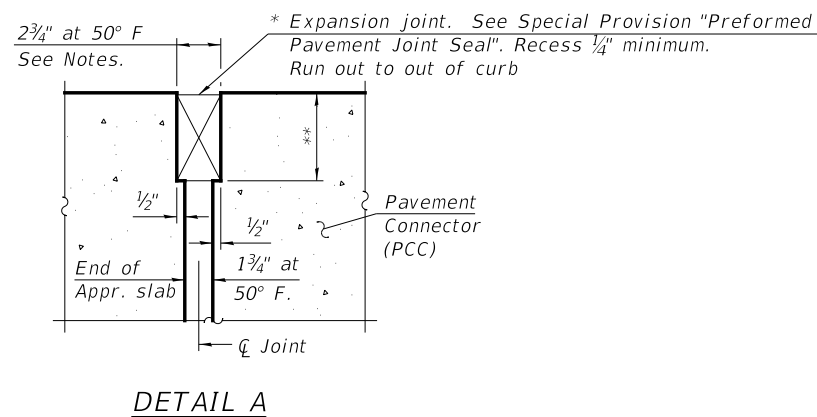
SECTION A-A

Notes:

The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.
Parapet concrete shall be paid for as Concrete Superstructure.
Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
Approach footing concrete shall be paid for as Concrete Structures.
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
Cost of excavation for approach footing included with Concrete Structures.
For Granular Backfill for Structures and drainage treatment details, see sheet 3 of 70.
See sheet 39 of 70 for typical inside elevation of curb.

TWO APPROACHES EB
BILL OF MATERIAL

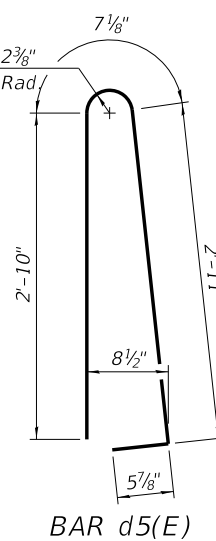
Bar	No.	Size	Length	Shape	
a11(E)	168	#5	37'-4"	┌───┐	
a12(E)	220	#8	37'-8"	┌───┐	
a13(E)	84	#5	7'-4"	┌───┐	
b5(E)	194	#5	29'-8"	┌───┐	
b6(E)	308	#9	29'-8"	┌───┐	
b7(E)	2	#5	29'-5"	┌───┐	
b8(E)	2	#5	29'-11"	┌───┐	
b9(E)	1	#4	30'-1"	┌───┐	
b10(E)	1	#4	29'-5"	┌───┐	
d5(E)	67	#5	6'-10"	┌───┐	
d6(E)	67	#5	7'-8"	┌───┐	
e12(E)	14	#4	14'-11"	┌───┐	
e13(E)	1	#8	30'-1"	┌───┐	
e14(E)	1	#4	30'-1"	┌───┐	
e15(E)	14	#4	14'-5"	┌───┐	
e16(E)	1	#8	29'-2"	┌───┐	
e17(E)	1	#4	29'-2"	┌───┐	
t(E)	258	#4	10'-8"	┌───┐	
w(E)	160	#5	37'-0"	┌───┐	
Concrete Superstructure				Cu. Yd.	7.8
Concrete Superstructure (Approach Slab)				Cu. Yd.	177.6
Concrete Structures				Cu. Yd.	43.3
Reinforcement Bars, Epoxy Coated				Pound	76,050
Bridge Deck Grooving				Sq. Yd.	404
Protective Coat				Sq. Yd.	456



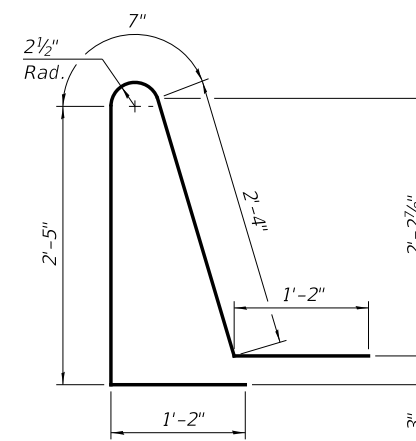
DETAIL A

* Cost included with Concrete Superstructure (Approach Slab).

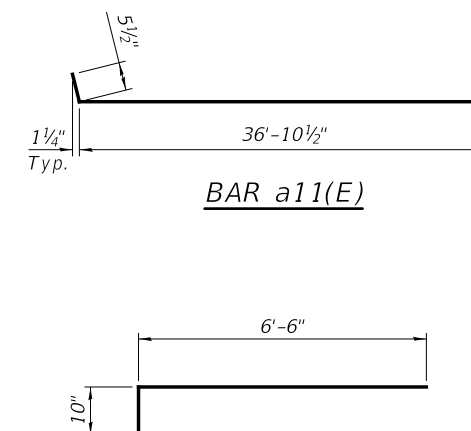
** Per manufacturer recommendations



BAR d5(E)



BAR d6(E)



BAR a13(E)

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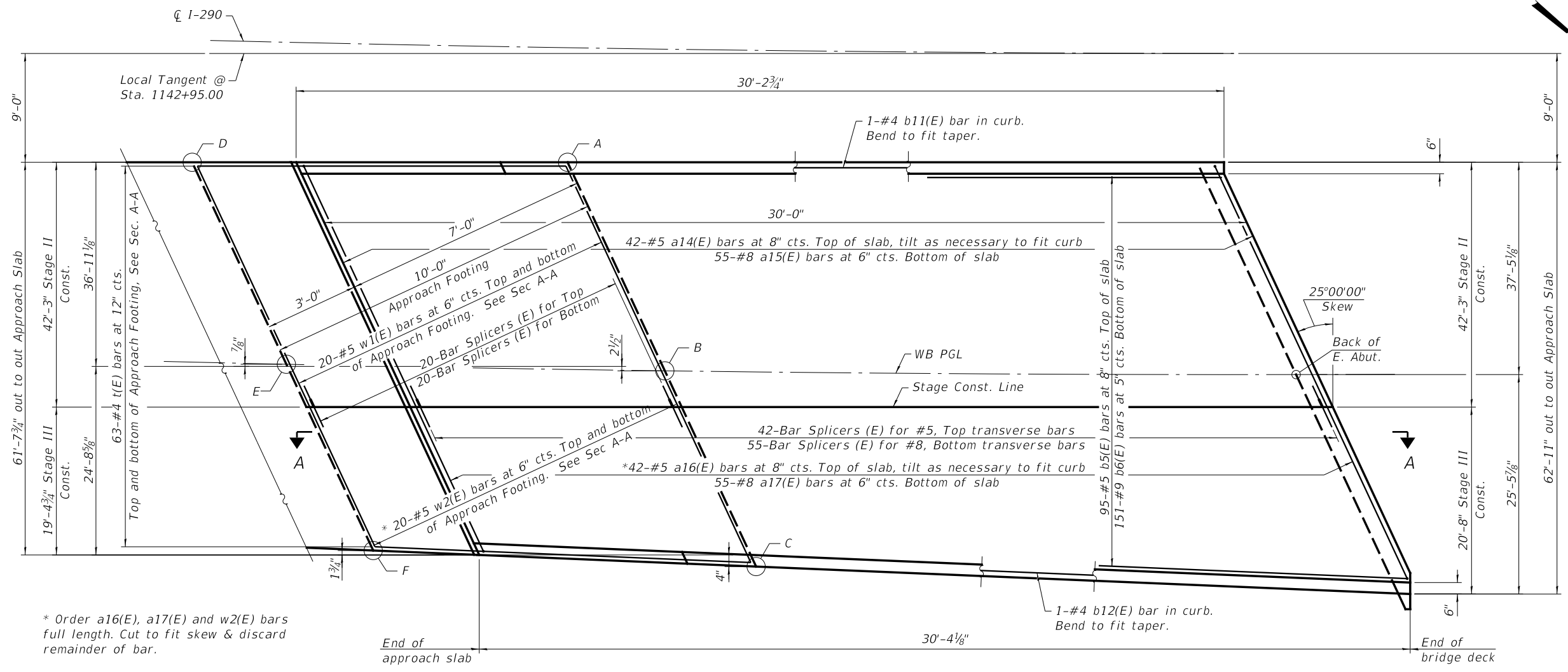
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BRIDGE APPROACH SLAB DETAILS III
STRUCTURE NO. 022-0547 EB

SHEET NO. 36 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	191
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MINIMUM BAR LAP
 #5 bar = 3'-4"
 #8 bar = 4'-9"

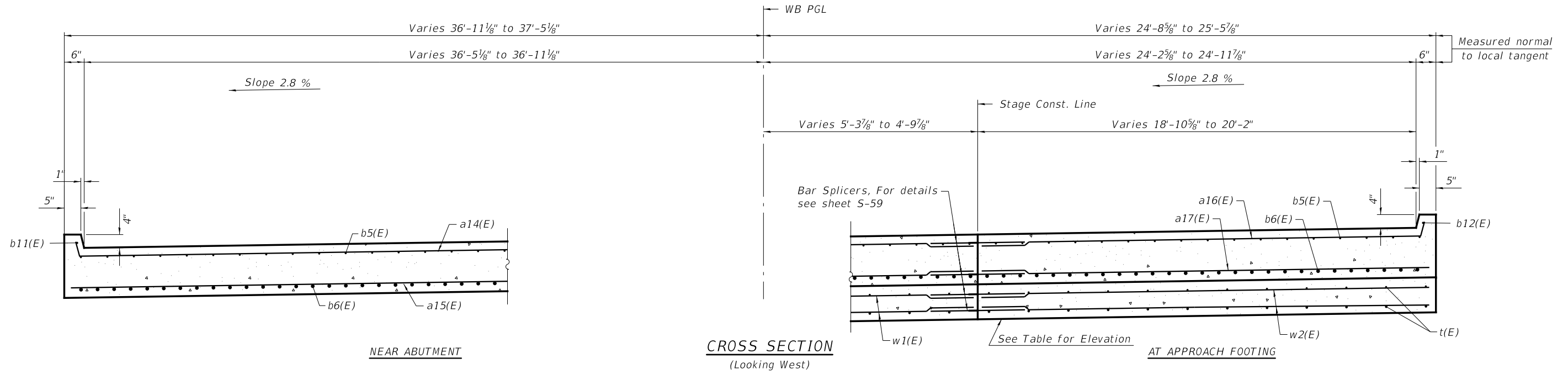
Notes:
 Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
 See sheet 39 of 70 for Section A-A and Bill of Material.

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

Point	East Approach	
	Top	Bottom
A	682.49	681.65
B	683.69	682.86
C	684.50	683.67
D	682.38	681.55
E	683.58	682.75
F	684.39	683.55

* Order a16(E), a17(E) and w2(E) bars full length. Cut to fit skew & discard remainder of bar.

PLAN - EAST APPROACH (WB)



NEAR ABUTMENT

CROSS SECTION (Looking West)

AT APPROACH FOOTING

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 30 N. LASALLE STREET
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PLOT SCALE = N.T.S.	CHECKED - PAL	REVISED -
PLOT DATE = 12/15/2017	DRAWN - DCP	REVISED -
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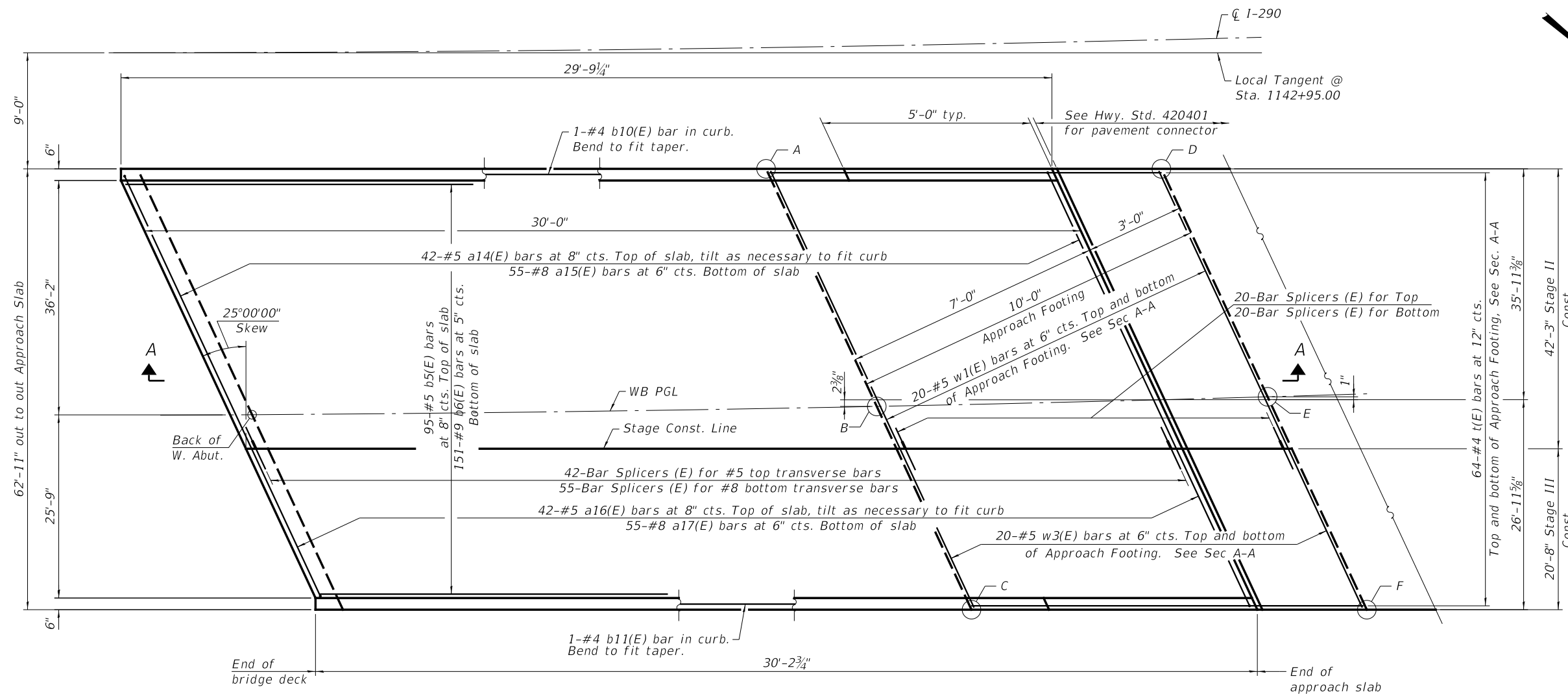
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BRIDGE APPROACH SLAB DETAILS IV
 STRUCTURE NO. 022-0577 WB**

SHEET NO. 37 OF 70 SHEETS

F.A. RTE. 290	SECTION (22-1B-1)B	COUNTY DuPage	TOTAL SHEETS 402	SHEET NO. 192
CONTRACT NO. 62C24				

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MINIMUM BAR LAP

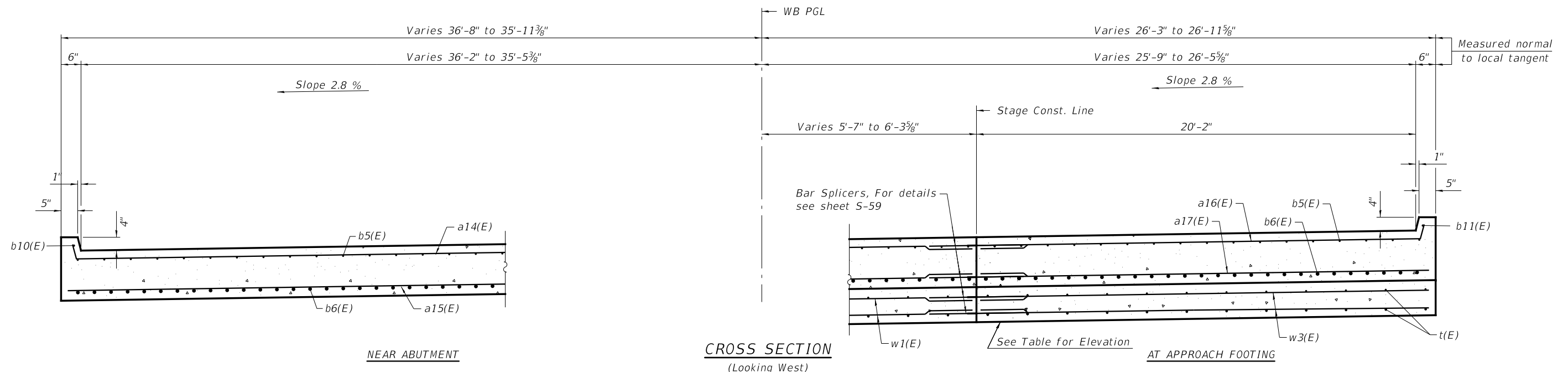
#5 bar = 3'-4"
#8 bar = 4'-9"

Notes:
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
See sheet 39 of 70 for Section A-A and Bill of Material.

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

Point	West Approach	
	Top	Bottom
A	684.98	684.15
B	686.16	685.33
C	687.04	686.20
D	685.10	684.26
E	686.27	685.44
F	687.15	686.32

PLAN - WEST APPROACH (WB)



CROSS SECTION (Looking West)

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**BRIDGE APPROACH SLAB DETAILS V
STRUCTURE NO. 022-0577 WB**

SHEET NO. 38 OF 70 SHEETS

F.A. RTE. = 290	SECTION = (22-1B-1)B	COUNTY = DuPage	TOTAL SHEETS = 402	SHEET NO. = 193
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

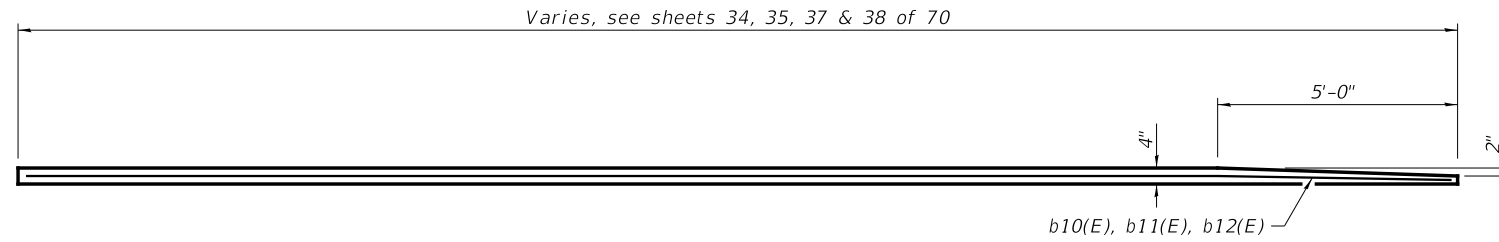
Notes:

The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.

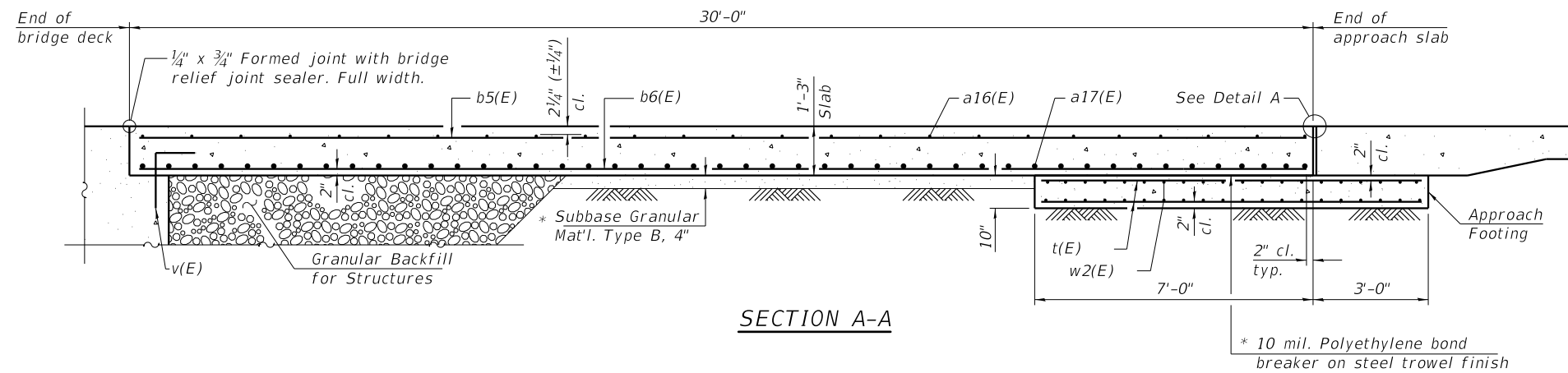
Approach slab shall be paid for as Concrete Superstructure (Approach Slab). Approach footing concrete shall be paid for as Concrete Structures.

The approach footing maximum applied service bearing pressure (Q_{max}) = 2.0 ksf. Cost of excavation for approach footing included with Concrete Structures.

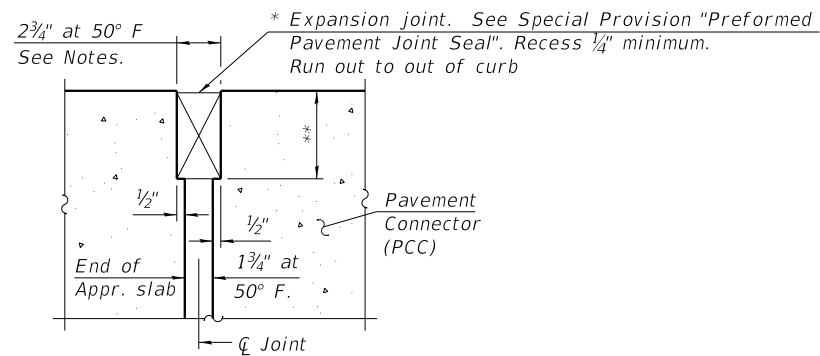
For Granular Backfill for Structures and drainage treatment details, see sheet 3 of 70.



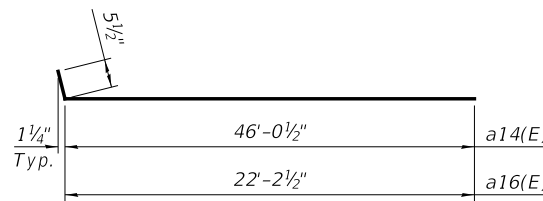
TYPICAL INSIDE ELEVATION OF CURB



SECTION A-A



DETAIL A



BAR a14(E) & a16(E)

TWO APPROACHES WB
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a14(E)	84	#5	46'-6"	U
a15(E)	110	#8	46'-3"	U
a16(E)	84	#5	22'-8"	U
a17(E)	110	#8	22'-5"	U
b5(E)	190	#5	29'-8"	U
b6(E)	302	#9	29'-8"	U
b10(E)	1	#4	29'-10"	U
b11(E)	2	#4	30'-0"	U
b12(E)	1	#4	29'-5"	U
t(E)	254	#4	10'-8"	U
w1(E)	80	#5	46'-3"	U
w2(E)	40	#5	21'-4"	U
w3(E)	40	#5	22'-5"	U
			Cu. Yd.	174.5
Concrete Superstructure (Approach Slab)				
Concrete Structures			Cu. Yd.	42.9
Reinforcement Bars, Epoxy Coated			Pound	70,150
Bridge Deck Grooving			Sq. Yd.	398
Protective Coat			Sq. Yd.	422
Bar splicers			Each	274

* Cost included with Concrete Superstructure (Approach Slab).

** Per manufacturer recommendations

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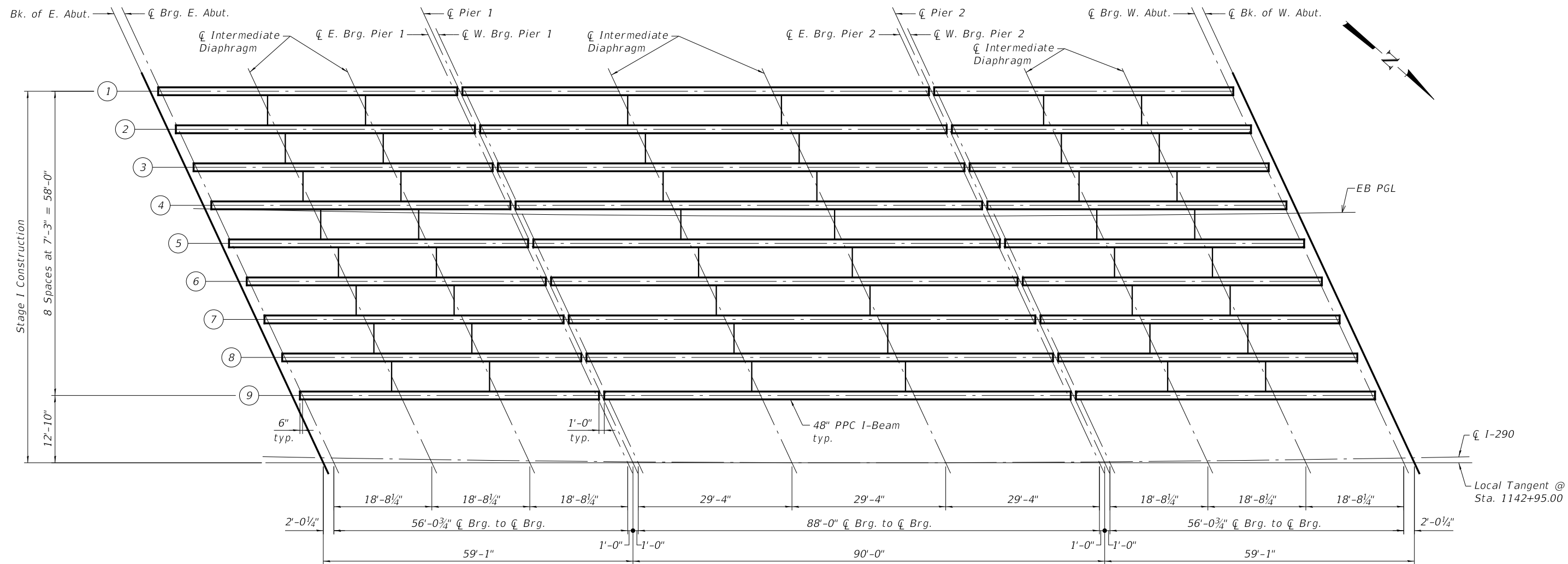
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BRIDGE APPROACH SLAB DETAILS VI
STRUCTURE NO. 022-0577 WB

SHEET NO. 39 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	194
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				



PLAN - EB

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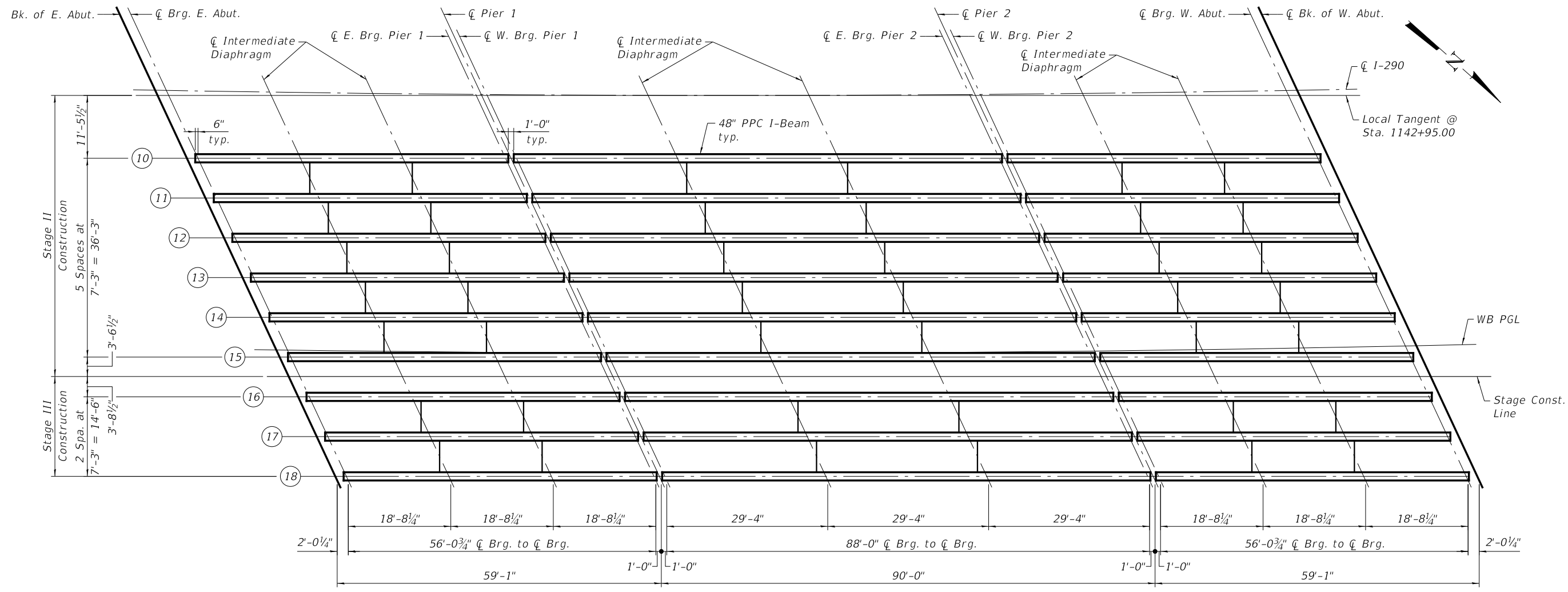
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CHICAGO, IL 60602
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FRAMING PLAN EB
STRUCTURE NO. 022-0547 EB
SHEET NO. 40 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	195
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				



PLAN - WB

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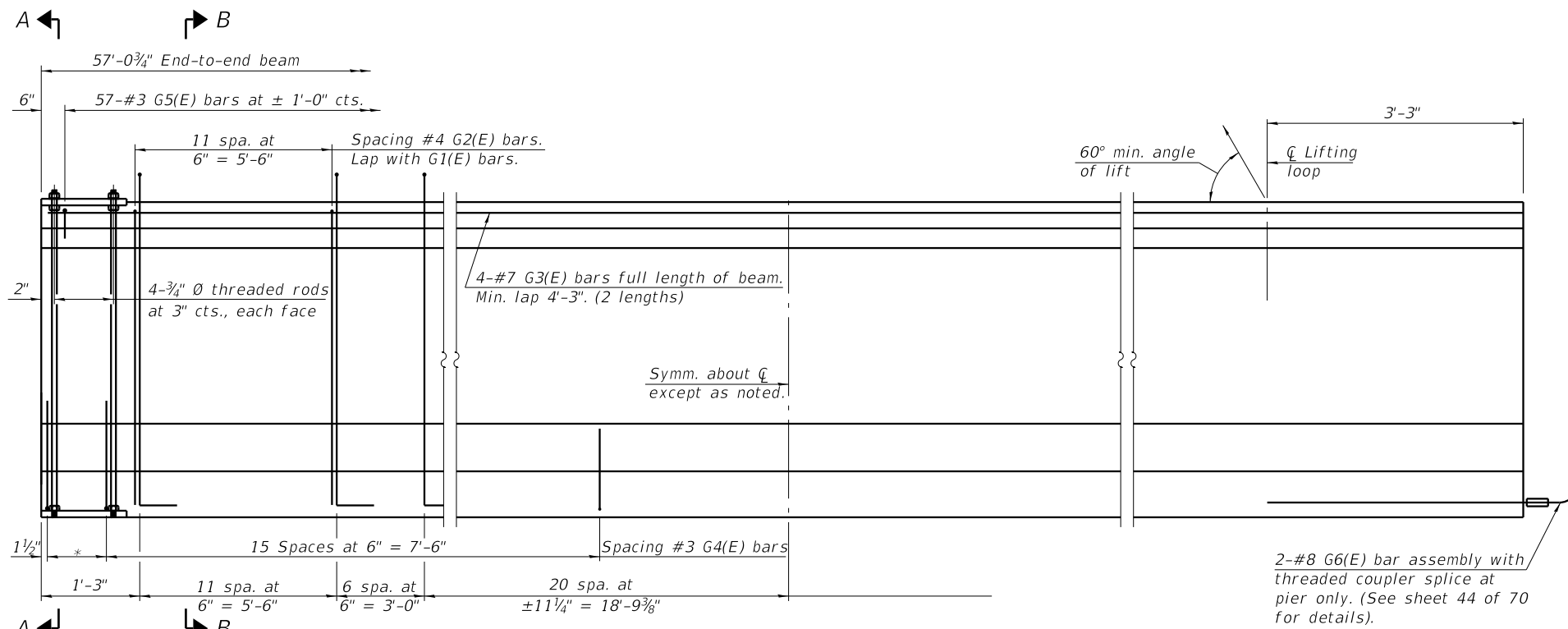
wsp
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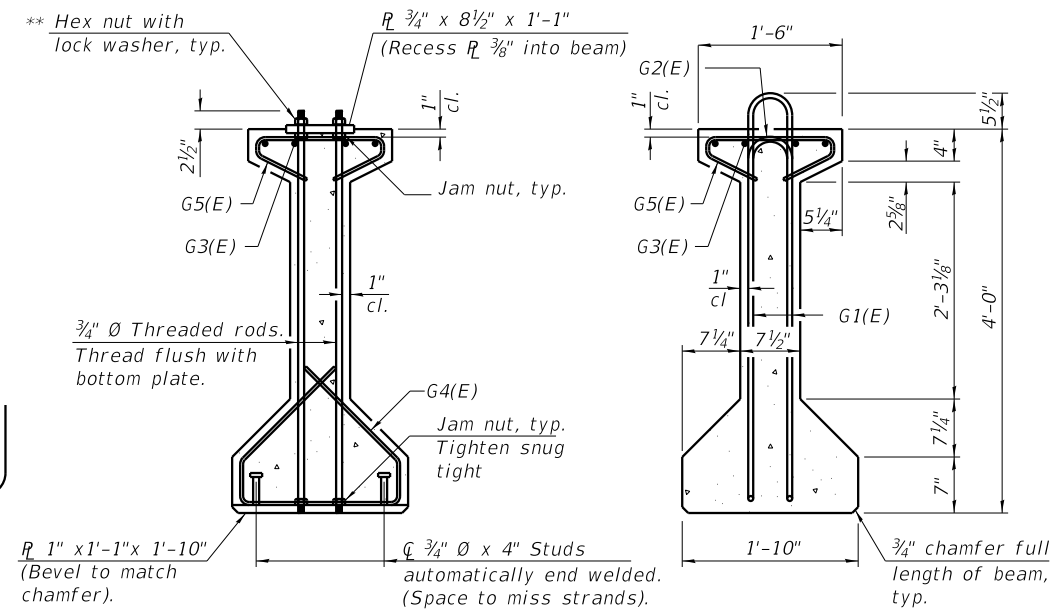
**STATE OF ILLINOIS
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**FRAMING PLAN WB
 STRUCTURE NO. 022-0577 WB**
 SHEET NO. 41 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	196
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				



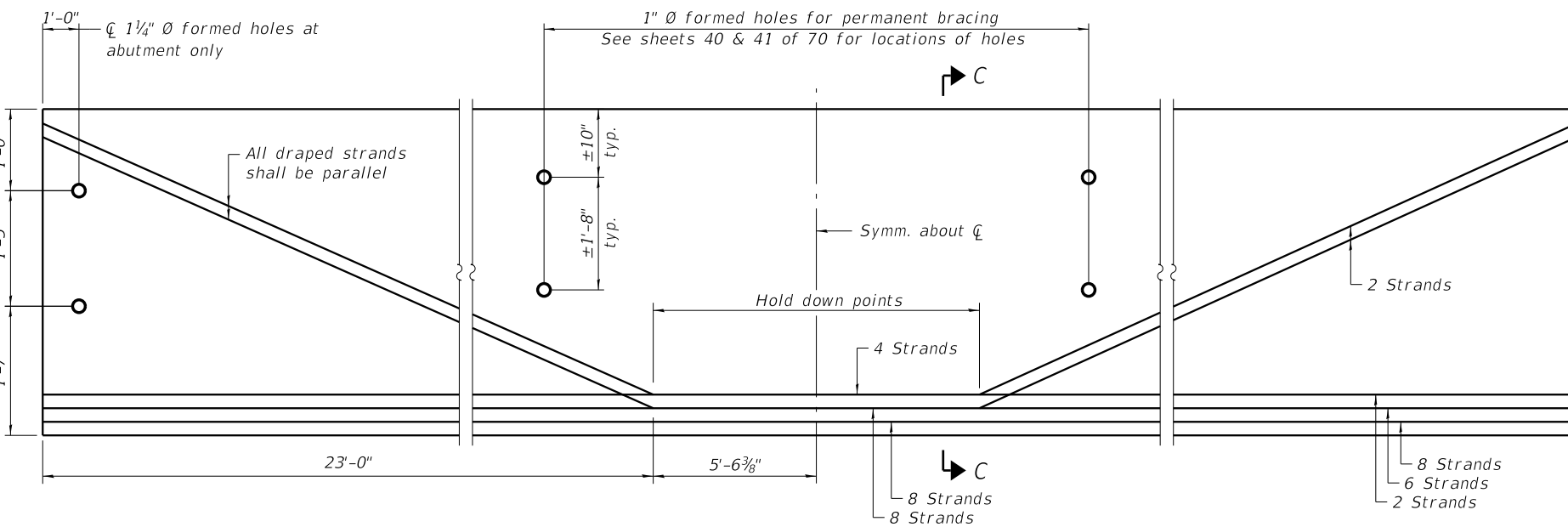
ELEVATION OF BEAM SPANS 1 & 3
(Showing reinforcement & dimensions)



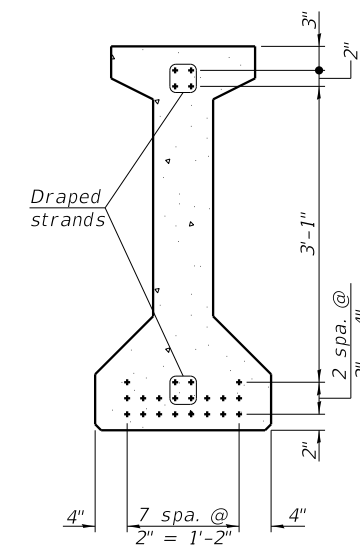
SECTION A-A

** Only tighten sufficiently to compress lock washers

SECTION B-B



ELEVATION OF BEAM SPANS 1 & 3
(Showing prestressing steel)



SECTION C-C
(20-1/2" Ø 270 ksi strands)

BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
G1(E)	74	#4	9'-8"	⊏
G2(E)	24	#4	7'-11"	⊏
G3(E)	8	#7	30'-7"	⊏
G4(E)	38	#3	5'-3"	⊏
G5(E)	57	#3	2'-9"	⊏
G6(E)	2	#8	6'-6"	⊏

Notes:
See sheet 47 of 70 for additional details and Bill of Material.

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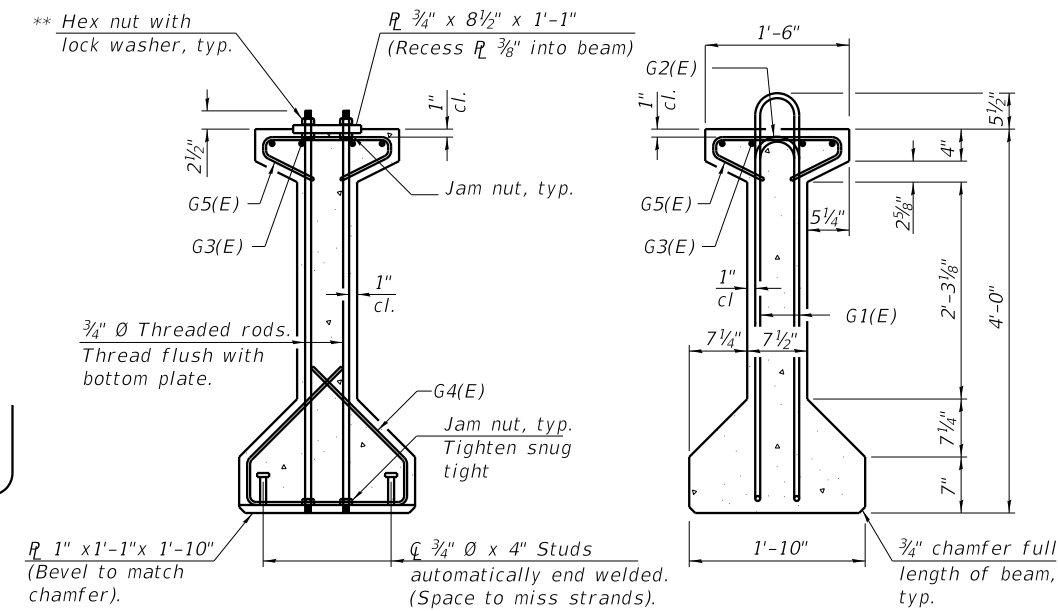
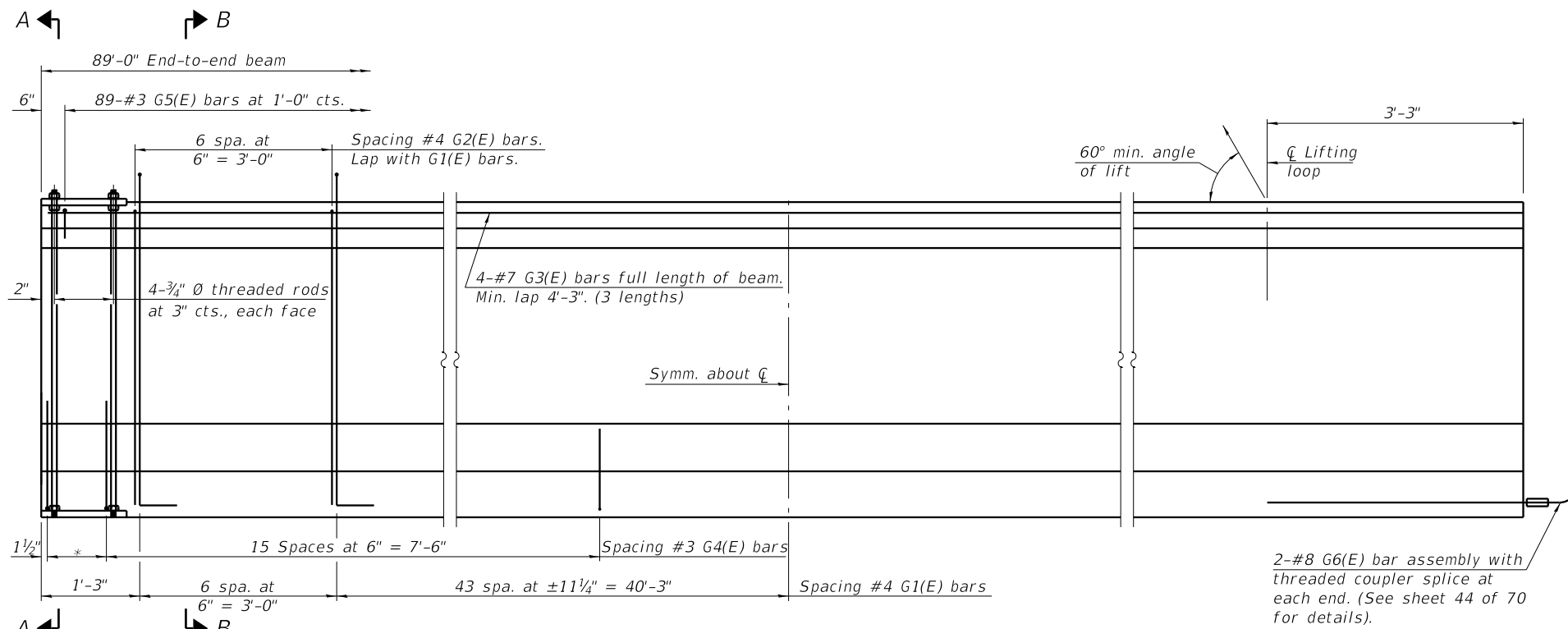
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		CHECKED -	PJL	REVISED -	
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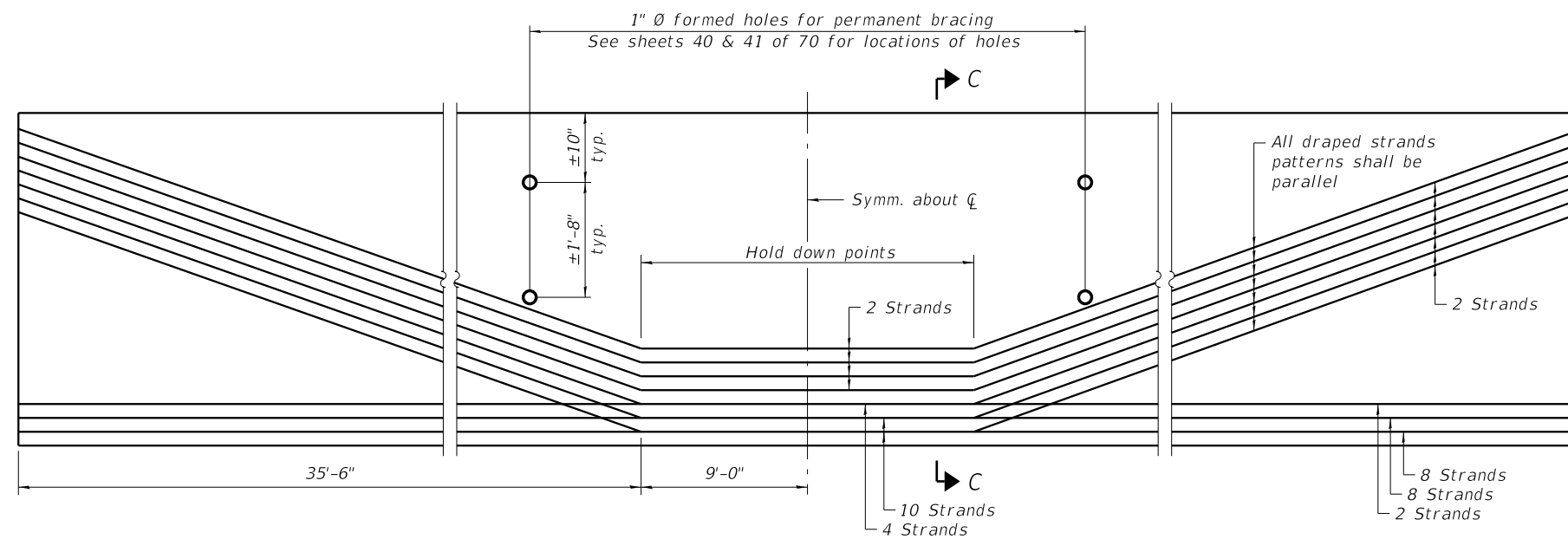
48" PPC I-BEAM SPANS 1 & 3
STRUCTURE NO. 022-0547 EB & 022-0577 WB

SHEET NO. 42 OF 70 SHEETS

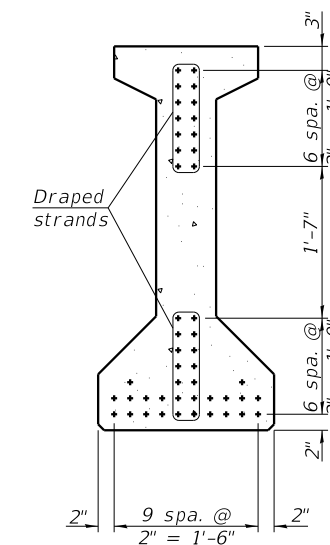
F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	197
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				



ELEVATION OF BEAM SPAN 2
(Showing reinforcement & dimensions)



ELEVATION OF BEAM SPAN 2
(Showing prestressing steel)



BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
G1(E)	99	#4	9'-8"	nl
G2(E)	24	#4	7'-11"	n
G3(E)	12	#7	32'-5"	
G4(E)	38	#3	5'-3"	
G5(E)	89	#3	2'-9"	U
G6(E)	4	#8	6'-6"	J

Notes:
See sheet 44 of 70 for additional details and Bill of Material.

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48" PPC I-BEAM SPAN 2
STRUCTURE NO. 022-0547 EB & 022-0577 WB

SHEET NO. 43 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	198

CONTRACT NO. 62C24

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NOTES

Inserts for $\frac{3}{4}$ " \emptyset threaded dowel rods, when specified, are to be two strut, ferrule type for interior beams and single ferrule, flared loop type for exterior beams. Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be $\frac{1}{2}$ " and the nominal cross-sectional area shall be 0.153 sq. in.

The beams shall have a final concrete compressive strength, $f'c$, of 5000 psi and a release concrete compressive strength, $f'ci$, of 6000 psi.

A minimum $2\frac{1}{2}$ " \emptyset lifting pin shall be used to engage the lifting loops during handling.

Tilt G6(E) bars when necessary to maintain $1\frac{1}{2}$ " clearance.

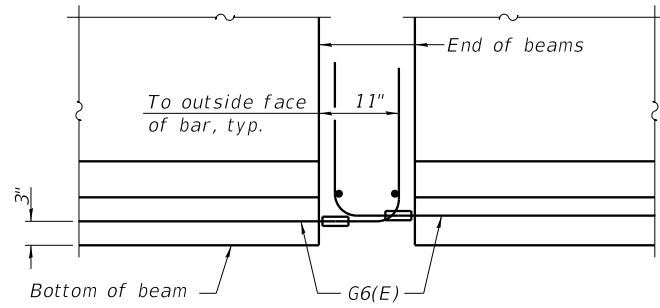
The top and bottom plates shall be AASHTO M270 Grade 50.

The top and bottom plates shall be galvanized according to AASHTO M111. The threaded rods, nuts and washers shall be galvanized according to AASHTO M232.

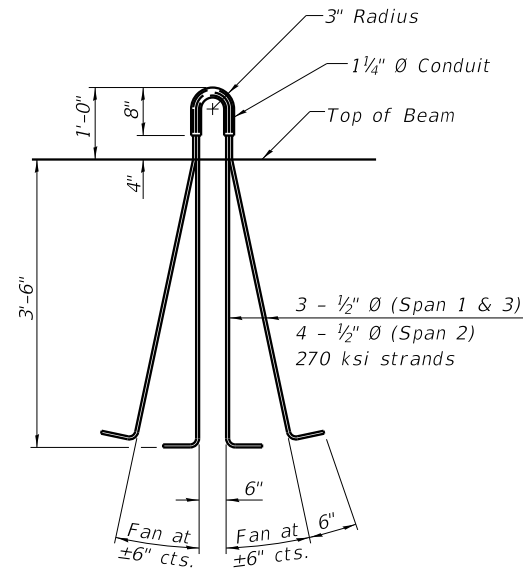
Threaded rods shall be ASTM F 1554 Grade 55.

The G6(E) bar assembly shall develop, in tension, at least 125 percent of the yield strength of a grade 60 reinforcement bar times the nominal cross-sectional area of a #8 bar. The assembly shall allow completion of the splice without turning of the hook bar. The hook bar shall be threaded such that the entire coupler can be threaded onto the hook bar.

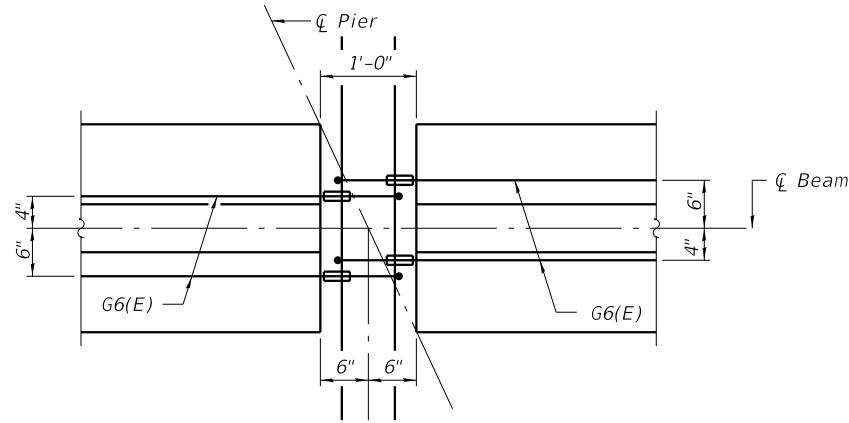
Beams shall not be released from the fabricator until they have attained 45 days of age or older.



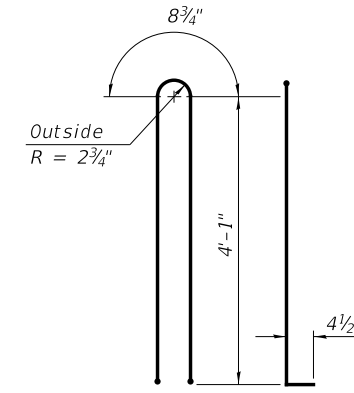
ELEVATION OF BEAM AT PIER



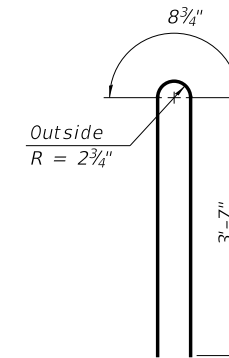
LIFTING LOOP DETAIL



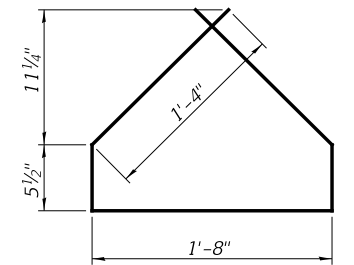
PLAN OF BEAM AT PIER



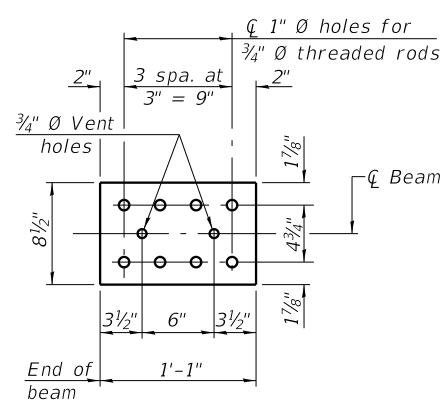
BAR G1(E)



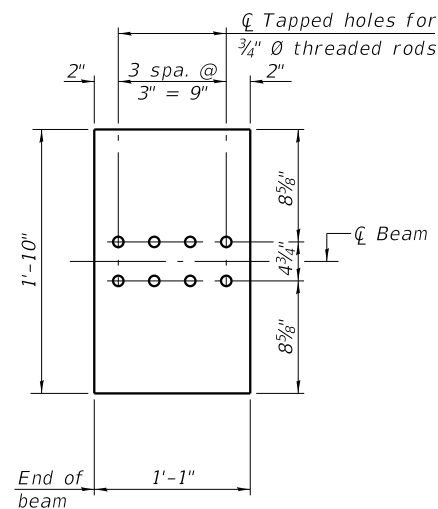
BAR G2(E)



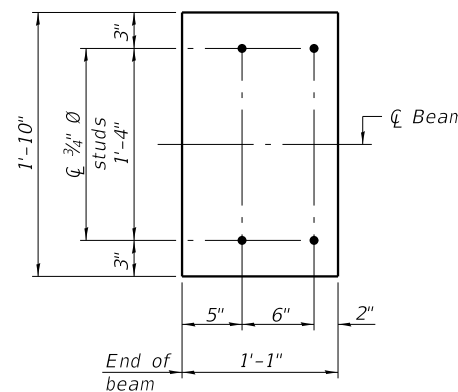
BAR G4(E)



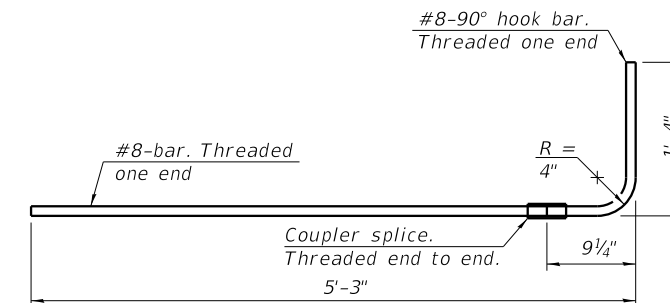
TOP PLATE



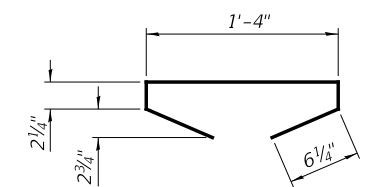
BOTTOM PLATE (Showing threaded rods)



BOTTOM PLATE (Showing Studs)



G6(E) BAR ASSEMBLY



BAR G5(E)

BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Precast Prestressed Concrete	Ft.	3,658
1-Beams, 48"		

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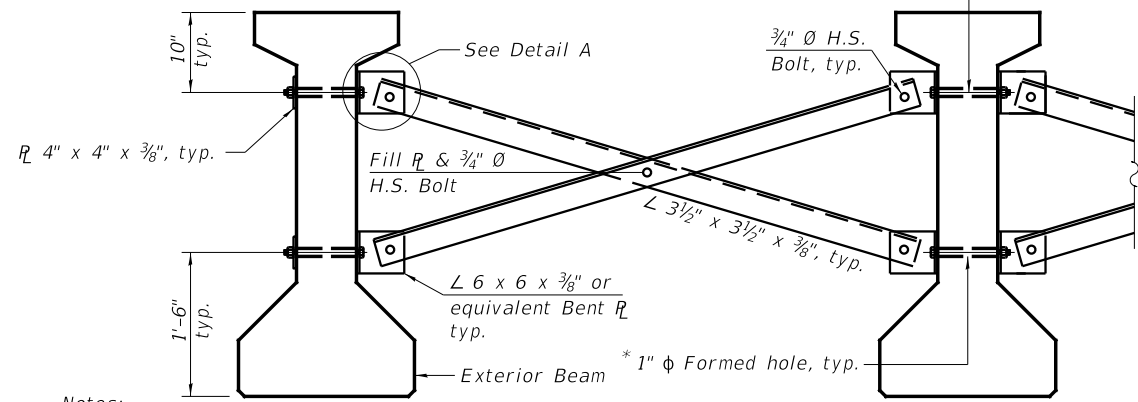
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**48" PPC I-BEAM DETAILS I
STRUCTURE NO. 022-0547 EB & 022-0577 WB**

SHEET NO. 44 OF 70 SHEETS

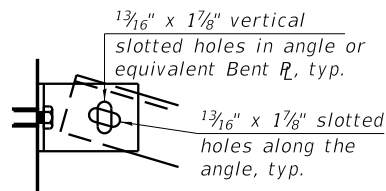
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	199
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

* Fabricator shall locate to miss strands $\frac{3}{4}$ " \emptyset Threaded rods with lock nuts, typ. Tightened to snug tight only.

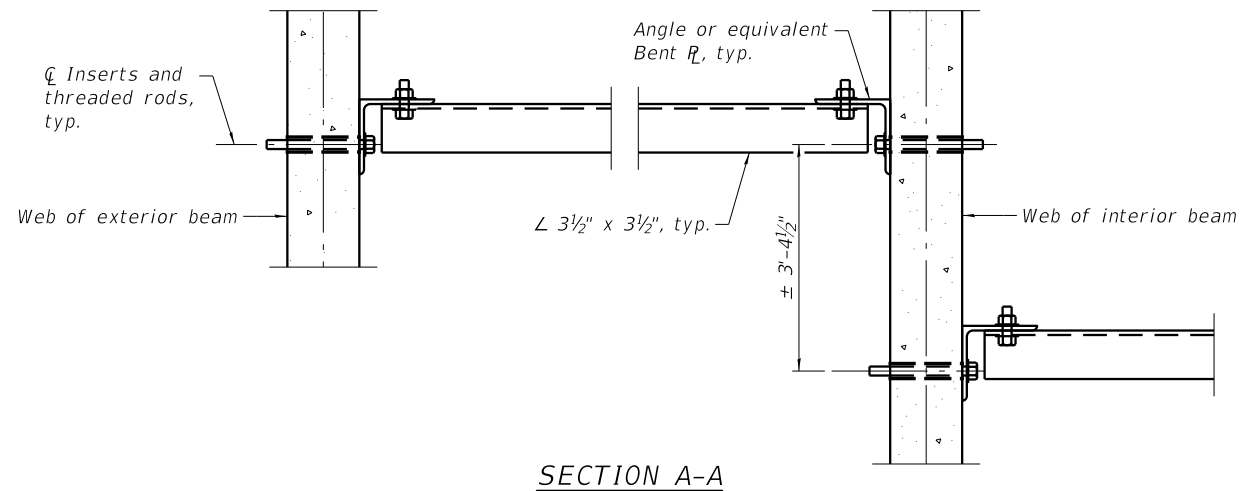


Notes:

- All material for bracing shall be hot dip galvanized according to AASHTO M111 unless otherwise noted.
- Two hardened washers are required for each set of oversized holes.
- All holes shall be $\frac{15}{16}$ " \emptyset unless otherwise noted.
- $\frac{5}{16}$ " x 3" x 3" plate washers are required over all slotted holes.
- All bolts, threaded rods, and hardware shall be galvanized according to AASHTO M232.
- Threaded rods shall be ASTM F 1554 Grade 55.
- Bracing shall be installed as beams are erected and tightened as soon as possible during erection.
- Permanent bracing shall not be paid for separately, but shall be included in the cost of Furnishing and Erecting Precast Prestressed Concrete Beams, 48".



PERMANENT BRACING DETAILS



SECTION A-A

INTERIOR BEAM MOMENT TABLE				
		**0.5 Sp. 1 0.5 Sp. 3	Pier 1 or 2	0.5 Sp. 2
I	(in ⁴)	144,117	-	144,117
I'	(in ⁴)	428,762	-	428,762
S _b	(in ³)	6,834	-	6,834
S _b '	(in ³)	11,573	-	11,573
S _t	(in ³)	5,355	-	5,355
S _t '	(in ³)	39,156	-	39,156
DC1	(k/')	1.347	-	1.347
MDC1	('k)	533	-	1,309
DC2	(k/')	0.133	0.133	0.133
MDC2	('k)	15.3	-79.1	55.6
DW	(k/')	0.343	0.343	0.343
MDW	('k)	39.2	-203.3	142.9
LLDF		0.669	0.626	0.593
M _L + I _M	('k)	690.3	-842.8	836.2

**Moment controls at 0.5 Span 1 & 3 instead of 0.4 Span 1 & 0.6 Span 3.

BEAM REACTION TABLE					
		Abut.		Pier 1 Span 1 Pier 2 Span 3	Pier 1 Span 2 Pier 2 Span 2
		Interior	Exterior		
LLDF		0.761	0.596	0.761	0.761
OCF		-	1.09	-	-
RDC1	(k)	37.9	37.3	37.9	59.4
***RDC2	(k)	2.4	2.4	5.6	5.6
***RDW	(k)	6.2	6.2	14.4	14.4
***R _L	(k)	57.0	48.6	54.4	54.4
***R _{Im}	(k)	14.6	12.5	10.9	10.9
RTotal	(k)	118.1	107.1	123.2	144.7

*** At continuous piers, reactions from composite loads are assumed to be equally distributed to each bearing line.

- I: Non-composite moment of inertia of beam section (in⁴).
- I': Composite moment of inertia of beam section (in⁴).
- S_b: Non-composite section modulus for the bottom fiber of the prestressed beam (in³).
- S_b': Composite section modulus for the bottom fiber of the prestressed beam (in³).
- S_t: Non-composite section modulus for the top fiber of the prestressed beam (in³).
- S_t': Composite section modulus for the top fiber of the prestressed beam (in³).
- DC1: Un-factored non-composite dead load (kips/ft.).
- MDC1: Un-factored moment due to non-composite dead load (kip-ft.).
- DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).
- MDC2: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).
- DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).
- MDW: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).
- M_L + I_M: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).
- LLDF: Live load distribution factor.
- OCF: Obtuse correction factor for support shear live load distribution factor at the obtuse corner (non-continuous ends only).

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48" PPC I-BEAM DETAILS II
STRUCTURE NO. 022-0547 EB & 022-0577 WB

SHEET NO. 45 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	200
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				