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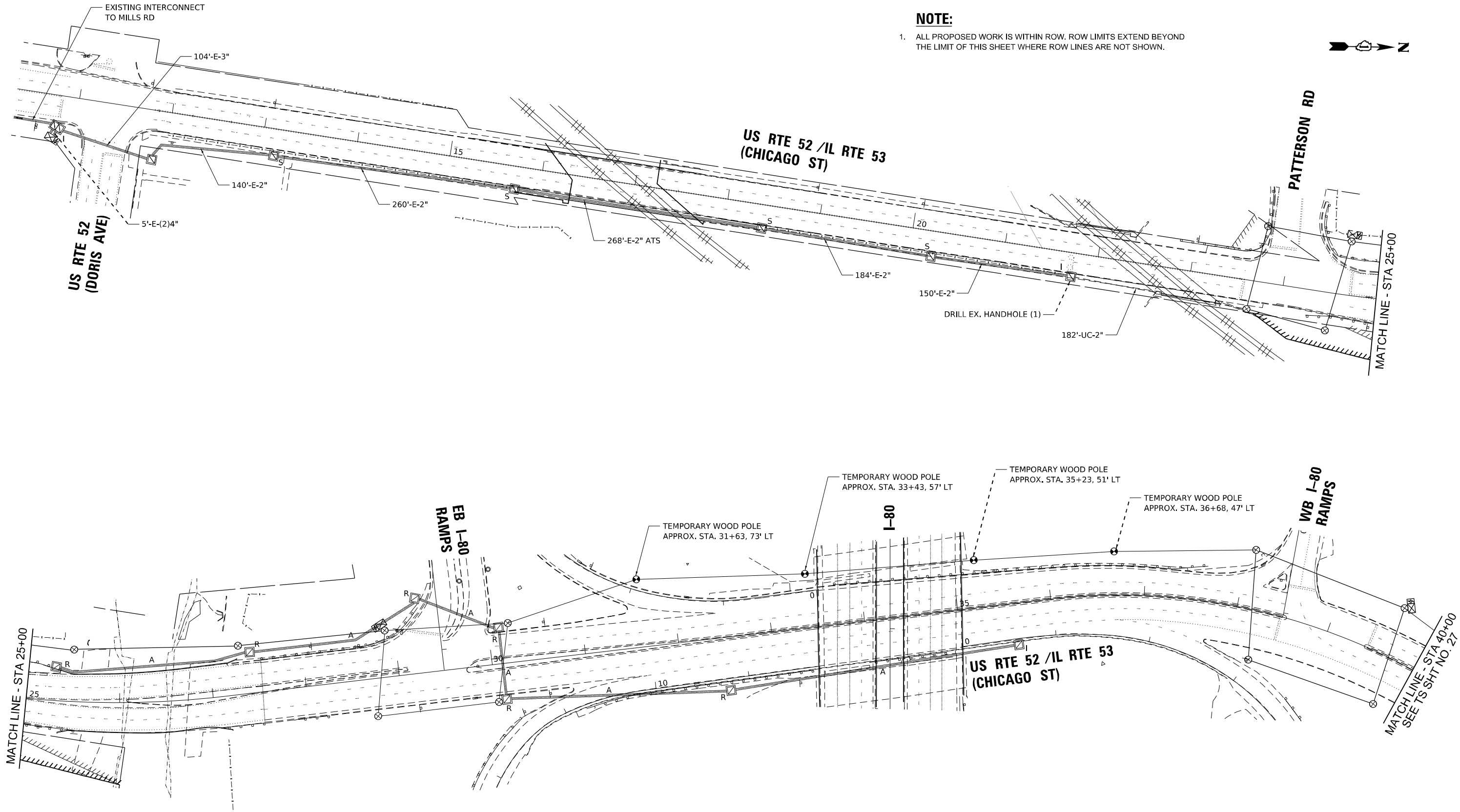
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PLOT DATE	= 11/5/2025	DATE -	11/7/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

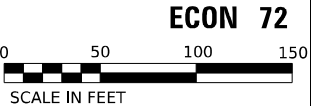
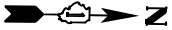
TEMPORARY INTERCONNECT PLAN
US RTE 52 /IL RTE 53 (CHICAGO ST) AT I-80

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	501
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



NOTE:
1. ALL PROPOSED WORK IS WITHIN ROW. ROW LIMITS EXTEND BEYOND THE LIMIT OF THIS SHEET WHERE ROW LINES ARE NOT SHOWN.



ECON 72

MODEL: Default
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PLOT SCALE	= 100,000' / in.	CHECKED -	SSA	REVISED -	
PLOT DATE	= 11/5/2025	DATE	= 11/7/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT PLAN
US RTE 52 /IL RTE 53 (CHICAGO ST) AT I-80

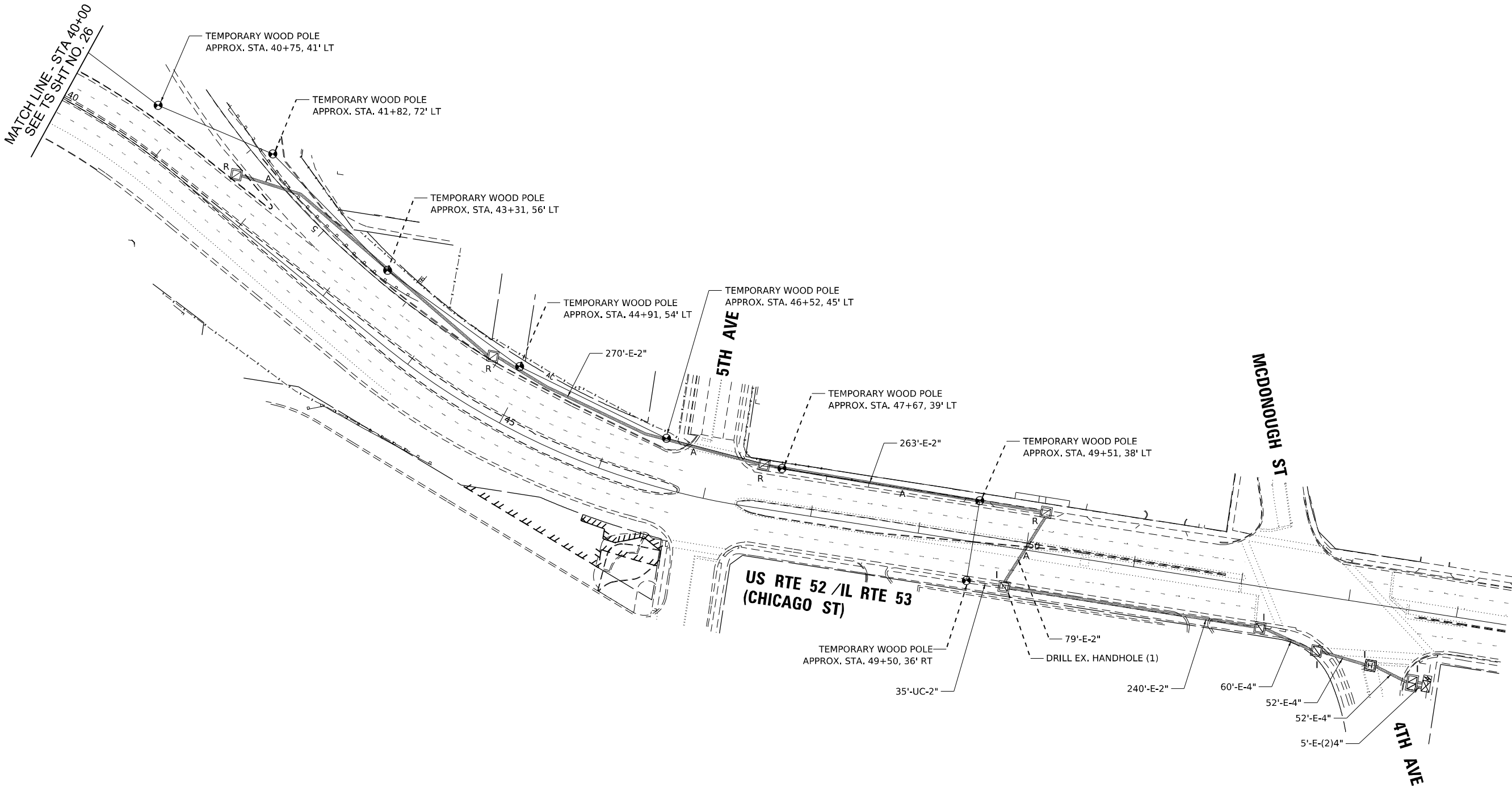
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	502
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

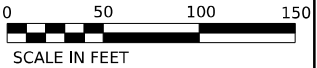


NOTE:

- ALL PROPOSED WORK IS WITHIN ROW. ROW LIMITS EXTEND BEYOND THE LIMIT OF THIS SHEET WHERE ROW LINES ARE NOT SHOWN.























ECON 72



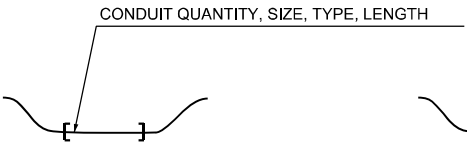

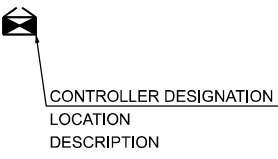
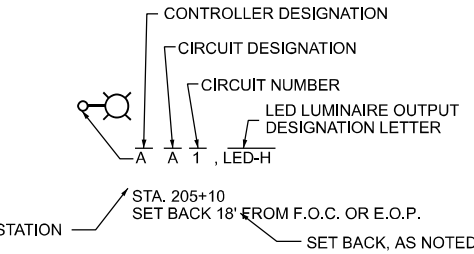
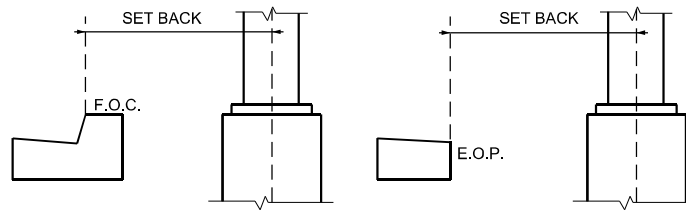


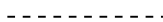
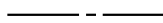
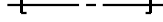
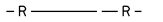

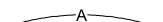
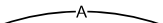
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			DRAWN	-	GJG	REVISED	-		80	FAI 80 21 STRUCTURE 2	WILL	1230	503				
	PLOT SCALE	■ 100,000 ' / in.	CHECKED	-	EEC	REVISED	-		CONTRACT NO. 62R23								
	PLOT DATE	■ 11/5/2025	DATE	-	11/7/2025	REVISED	-		SCALE: NONE				SHEET	OF	SHEETS	STA.	TO STA.

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LIGHTING AND ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	PROPOSED IDOT LIGHTING UNIT MOUNTED ON PROPOSED PARAPET, 40.0 FT M.H. U.N.O., 6 FT MAST ARM, LUMINAIRE TO BE LED, HORIZONTAL MOUNT, OUTPUT DESIGNATION H (25,200 LUMENS MINIMUM), (240 VAC) U.N.O.
	EXISTING LIGHTING UNIT TO REMAIN
	EXISTING LIGHTING UNIT TO BE REMOVED. EXISTING FOUNDATION, POLE, MAST ARM, AND T-BASE SHALL NOT BE SALVAGED, EXISTING LUMINAIRE SHALL BE SALVAGED.
	TEMPORARY LIGHTING UNIT, 60 FT WOOD POLE, 15 FT MAST ARM, LED LUMINAIRE AT 50 FT MOUNTING HEIGHT, OUTPUT DESIGNATION H (30,500 LUMENS MINIMUM, 4000°K CCT)
	EXISTING TEMPORARY LIGHTING UNIT FROM PREVIOUS STAGE
	TEMPORARY LIGHTING UNIT TO BE REMOVED
	TEMPORARY WOOD POLE, CLASS 4, 60 FT
	EXISTING TEMPORARY WOOD POLE, FROM PREVIOUS STAGE
	EXISTING IDOT LIGHTING CONTROLLER TO REMAIN
	PROPOSED NAVIGATION LIGHTING CONTROLLER
	TEMPORARY LIGHTING CONTROLLER
	PROPOSED ELECTRIC UTILITY SERVICE
	PROPOSED JUNCTION BOX, SIZE AND TYPE AS NOTED
	PROPOSED NAVIGATION LIGHTING UNIT 180 DEGREE RED (R) OR 360 DEGREE GREEN (G)
	EXISTING NAVIGATION LIGHTING UNIT TO REMAIN
	TEMPORARY LIGHTING CONTROLLER INSTALLED IN PREVIOUS STAGE
	TEMPORARY ELECTRIC UTILITY SERVICE INSTALLED IN PREVIOUS STAGE
	PROPOSED IDOT LIGHTING UNIT INSTALLED UNDER CONTRACT 62R22
	PROPOSED IDOT COMBINATION LIGHTING UNIT INSTALLED UNDER CONTRACT 62R22
	PROPOSED IDOT LIGHTING CONTROLLER INSTALLED UNDER CONTRACT 62R22

ABBREVIATIONS	
ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
ATS	ATTACHED TO STRUCTURE
B.O.C.	BACK OF CURB
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
COMED	COMMONWEALTH EDISON COMPANY
CP	CONTROL PANEL
CT	CURRENT TRANSFORMER
DA	DAVIT ARM
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING UNIT TO REMAIN
EX.	EXISTING
ECA	ELECTRIC CABLE ASSEMBLY
EIS	EMBEDDED IN STRUCTURE
E.O.P.	EDGE OF PAVEMENT
F.O.C.	FACE OF CURB
FT	FEET OR FOOT
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
LED	LIGHT EMITTING DIODE
LP	LIGHT POLE
M	METER
MA	MAST ARM
MC	MULTI-CONDUCTOR
MM	MILLIMETER
M.H.	MOUNTING HEIGHT
MW	MESSENGER WIRE
NESC	NATIONAL ELECRIC SAFETY CODE
NO. #	NUMBER
N.T.S.	NOT TO SCALE
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PVCC RGC	PVC COATED RIGID GALVANIZED CONDUIT
PT	POTENTIAL TRANSFORMER
R	EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.)
RR	EXISTING UNIT TO BE REMOVED AND REINSTALLED
RECP	RECEPTACLE
RGC	RIGID GALVANIZED CONDUIT
SEL SW	SELECTOR SWITCH
SPARE	SPARE
SPACE	SPACE
SS	STAINLESS STEEL
STA	STATION
T/F	TOP OF FOUNDATION
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
UGC, GS	UNDERGROUND CONDUCT, GALVANIZED STEEL
VAC	VOLTS, ALTERNATING CURRENT
W	WATTS
WP	WOOD POLE
XFMR	TRANSFORMER
HPS	HIGH PRESSURE SODIUM
LPS	LOW PRESSURE SODIUM
LTFM	LIQUID TIGHT FLEXIBLE METALLIC

CALL-OUT SAMPLE	
DEFINITION AND EXAMPLE	
	3" DIA. UGC, GS 40'
	CKT: CONDUCTORS RACEWAY A&B: 3#2 & 1#4 GND 1 1/2" DIA. UD
	CONTROLLER DESIGNATION LOCATION DESCRIPTION
	CONTROLLER DESIGNATION CIRCUIT DESIGNATION CIRCUIT NUMBER LED LUMINAIRE OUTPUT DESIGNATION LETTER STA. 205+10 SET BACK 18' FROM F.O.C. OR E.O.P. SET BACK, AS NOTED PROPOSED LIGHTING UNIT
	SET BACK F.O.C. E.O.P. POLE SET BACK DETAIL

LIGHTING CABLE LEGEND	
	PROPOSED CABLE IN PVC CONDUIT SCHEDULE 40, EMBEDDED IN STRUCTURE, SIZE AND TYPE AS NOTED
	PROPOSED UNIT DUCT, SIZE AND TYPE AS NOTED
	PROPOSED UNIT DUCT IN UNDERGROUND 4" DIA. PVC SCHEDULE 80 CONDUIT.
	EXISTING CABLE IN CONDUIT TO BE REMOVED
	EXISTING UNIT DUCT OR CABLE IN CONDUIT
	EXISTING AERIAL CABLE FROM PREVIOUS STAGE
	PROPOSED AERIAL CABLE, SIZE AND TYPE AS NOTED

GENERAL NOTES

- THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST CODES, STANDARDS AND THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2022, AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.
- THE CONTRACTOR SHALL CONTACT MEADE ELECTRIC CO. DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR TO LOCATE IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES 773-287-7672.
- THE EXISTING NAVIGATION LIGHTING SYSTEM SHALL REMAIN IN PLACE AND OPERATIONAL DURING AND AFTER CONSTRUCTION. ANY WORK REQUIRED TO KEEP THE NAVIGATION LIGHTING OPERATIONAL, INCLUDING BUT NOT LIMITED TO CABLE, CONDUIT, AND SOLAR POWERED NAVIGATION LIGHTS, SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE MAINTENANCE OF LIGHTING SYSTEM PAY ITEM.

IDOT-D1 STANDARDS:

STANDARD NO.	TITLE
BE-200	LIGHTING CONTROLLER, BASE MOUNTED, 480 VOLT, 200 AMP, (DUAL)
BE-220	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT
BE-401	ALUMINUM LIGHT POLE 40'-0" (12.192 m) MOUNTING HEIGHT
BE-701	LUMINAIRE SAFETY CABLE ASSEMBLY
BE-702	MISC. ELECTRICAL DETAILS SHEET A
BE-703	MISC. ELECTRICAL DETAILS SHEET B
BE-800	TEMPORARY LIGHT POLE DETAILS
BE-801	TEMPORARY AERIAL CABLE INSTALLATION

I-80 CORRIDOR LIGHTING DETAILS:

TITLE

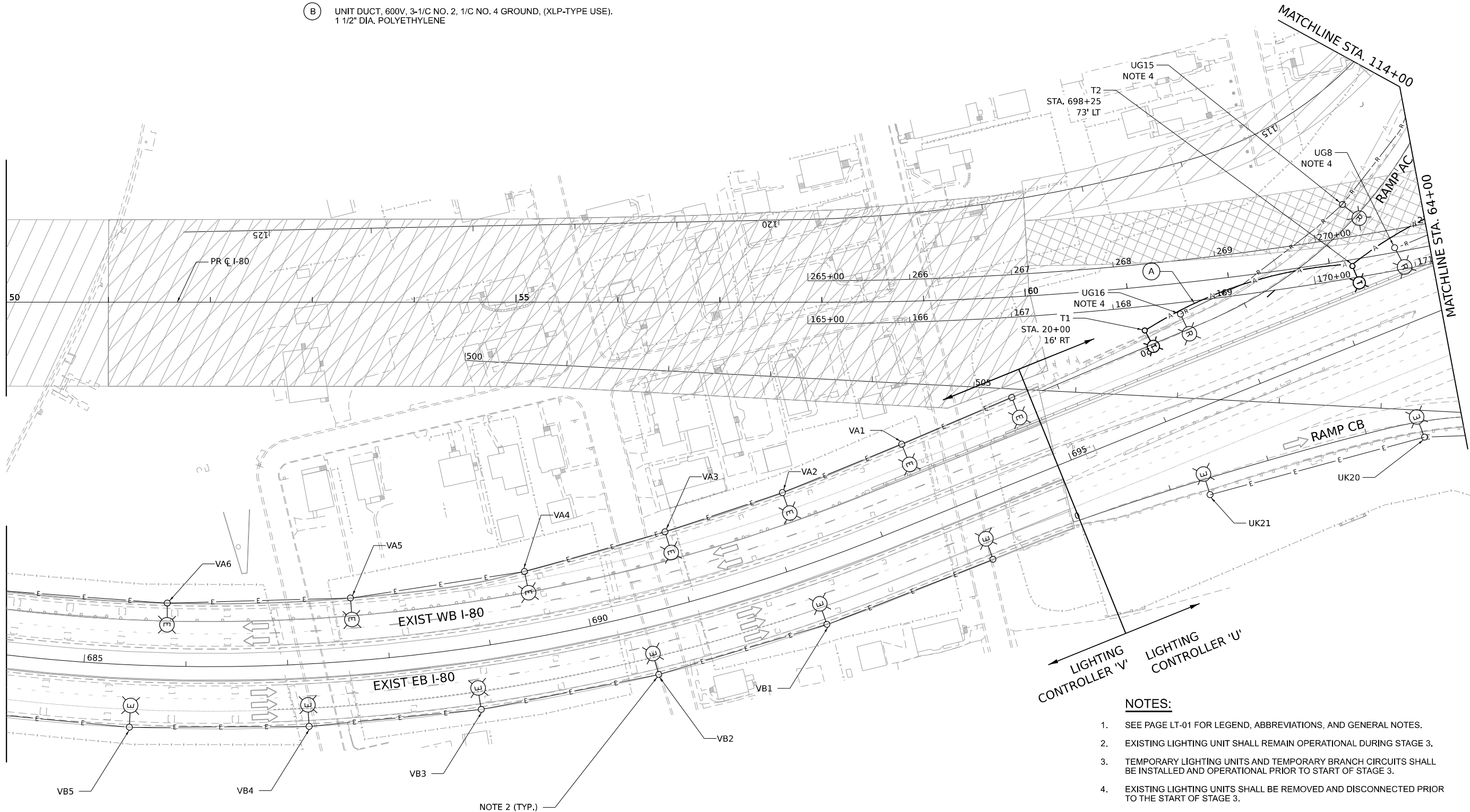
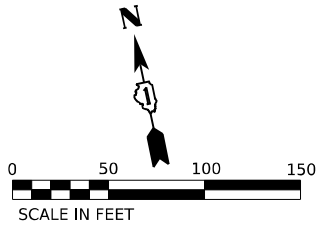
LIGHT POLE MOUNTED ON CONCRETE PARAPET WALL 15" (381mm) BOLT CIRCLE

IDOT HIGHWAY STANDARD

STANDARD NO.	TITLE
812001-01	RACEWAYS EMBEDDED IN STRUCTURE

LEGEND

- (A) AERIAL CABLE, 3-1/C NO.2 WITH MESSENGER WIRE
- (B) UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE).
1 1/2" DIA. POLYETHYLENE



NOTES:

- SEE PAGE LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
- EXISTING LIGHTING UNIT SHALL REMAIN OPERATIONAL DURING STAGE 3.
- TEMPORARY LIGHTING UNITS AND TEMPORARY BRANCH CIRCUITS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO START OF STAGE 3.
- EXISTING LIGHTING UNITS SHALL BE REMOVED AND DISCONNECTED PRIOR TO THE START OF STAGE 3.
- WIRE AND CONDUIT SHOWN TO BE REMOVED SHALL BE ABANDONED IN PLACE UNLESS OTHERWISE SPECIFIED. CONTRACTOR MAY CHOOSE TO REMOVE WIRES FROM ABANDONED CONDUIT AT OWN EXPENSE.

LT-03



USER NAME	= vgurskas
DESIGNED	- VG
DRAWN	- VN/MAG
CHECKED	- MG
DATE	- 11/07/2025

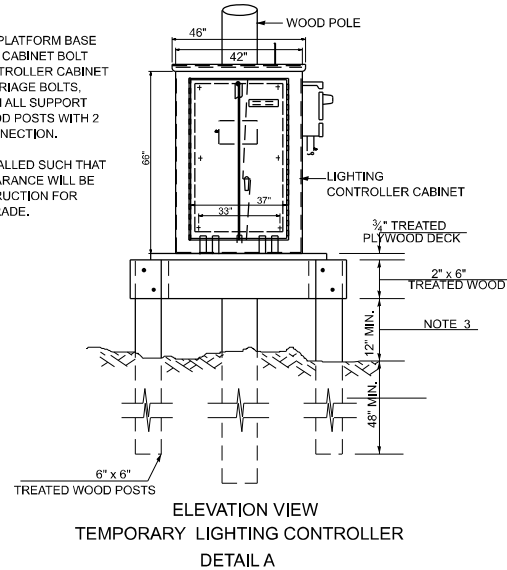
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

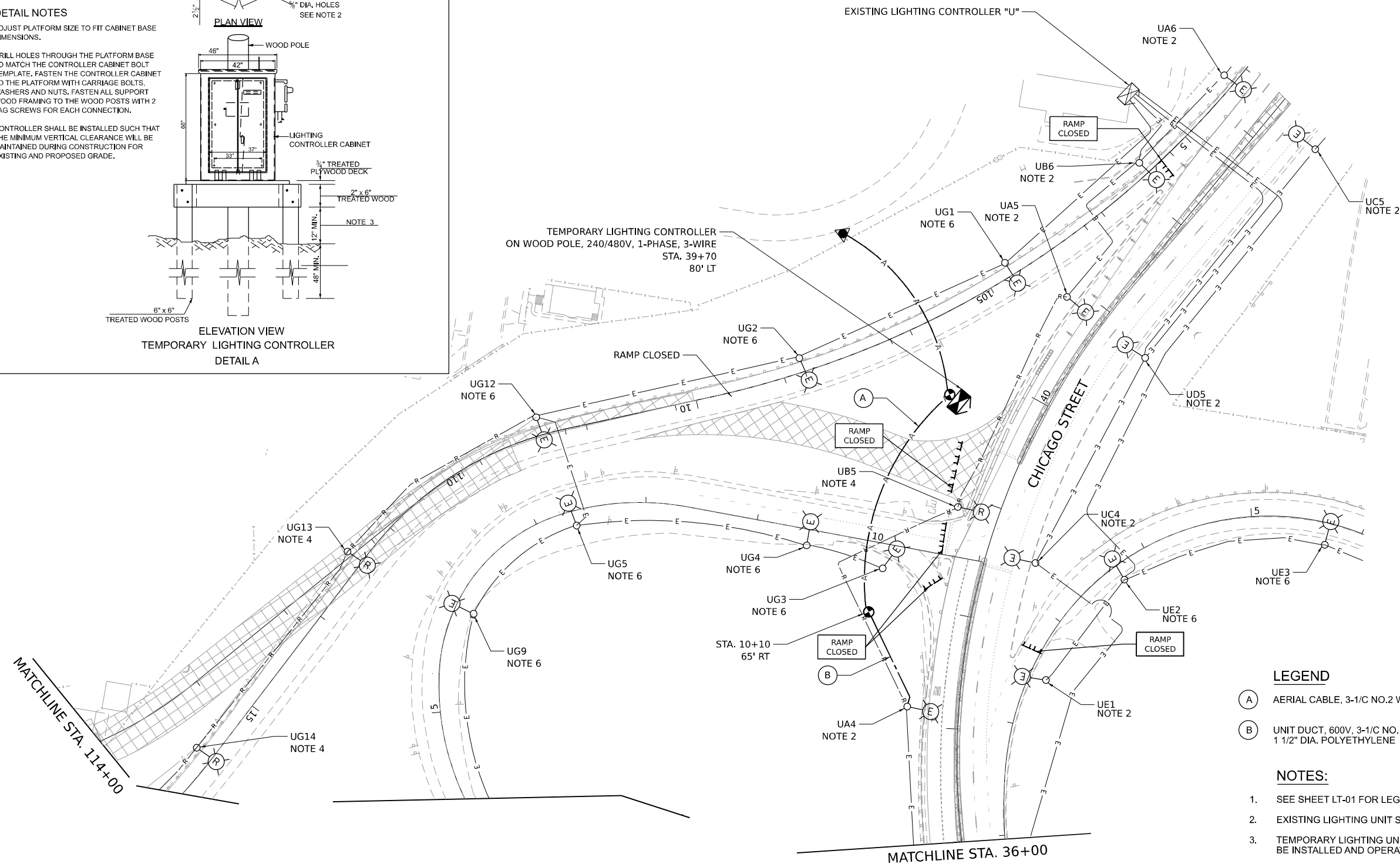
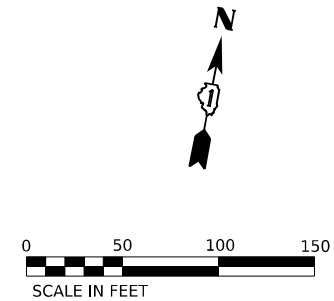
TEMPORARY AND REMOVAL LIGHTING PLANS – STAGE 3
I-80 OVER DES PLAINES RIVER

SCALE: 1:50 SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	506
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



1. ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS,
2. DRILL HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.
3. CONTROLLER SHALL BE INSTALLED SUCH THAT THE MINIMUM VERTICAL CLEARANCE WILL BE MAINTAINED DURING CONSTRUCTION FOR EXISTING AND PROPOSED GRADE.



(A) AERIAL CABLE, 3-1/C NO.2 WITH MESSENGER WIRE

(B) UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE).
1 1/2" DIA. POLYETHYLENE

1. SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. EXISTING LIGHTING UNIT SHALL REMAIN OPERATIONAL DURING STAGE 3.
3. TEMPORARY LIGHTING UNITS AND TEMPORARY BRANCH CIRCUITS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO START OF STAGE 3.
4. EXISTING LIGHTING UNITS SHALL BE REMOVED AND DISCONNECTED PRIOR TO THE START OF STAGE 3.
5. WIRE AND CONDUIT SHOWN TO BE REMOVED SHALL BE ABANDONED IN PLACE UNLESS OTHERWISE SPECIFIED. CONTRACTOR MAY CHOOSE TO REMOVE WIRES FROM ABANDONED CONDUIT AT OWN EXPENSE.
6. EXISTING LIGHTING UNIT SHALL BE DEENERGIZED WHILE THE RAMP IS CLOSED.

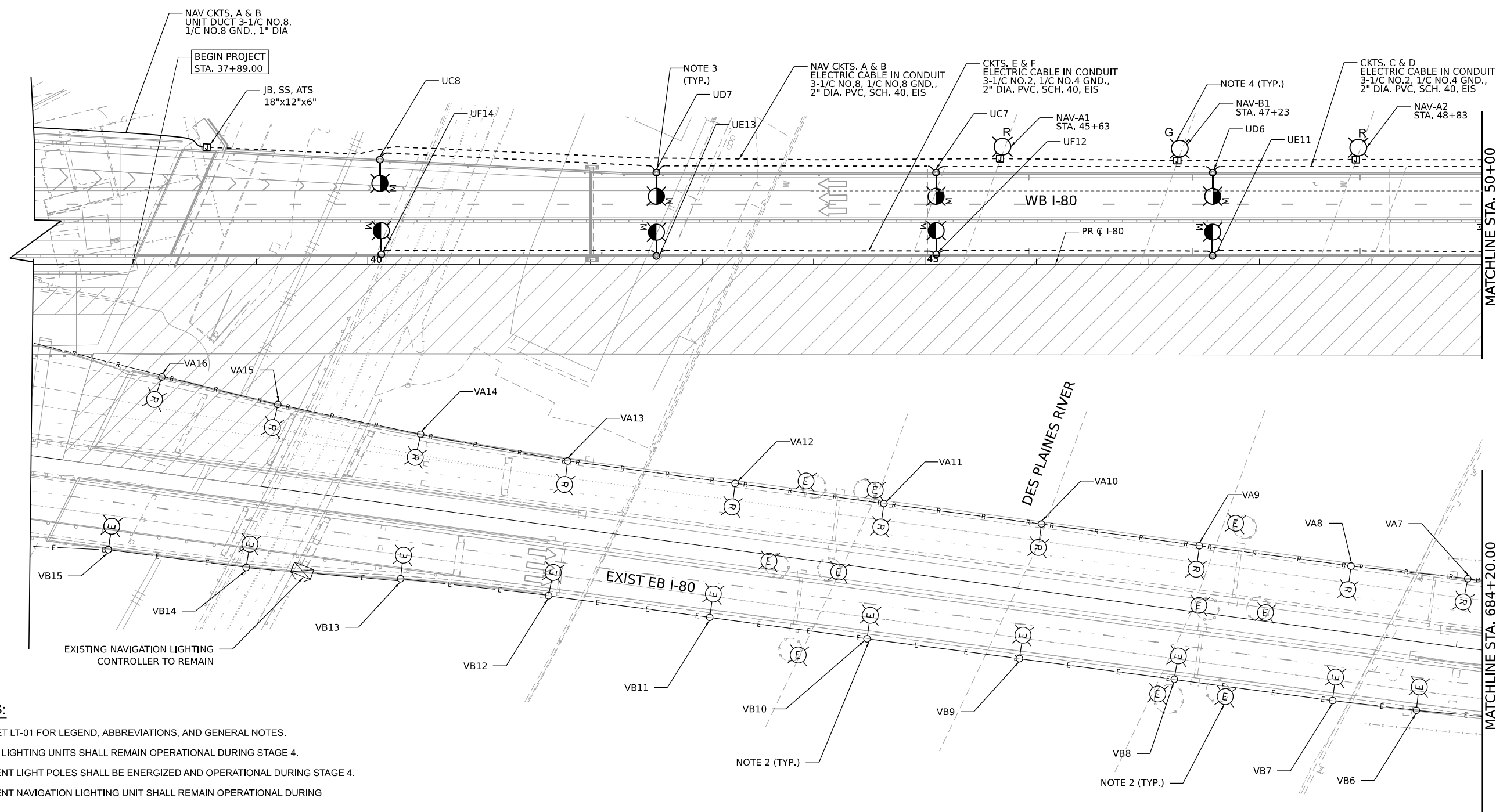
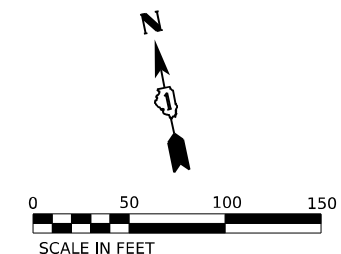
USER NAME = vjgurskas	DESIGNED - VG	REVISED -
	DRAWN - VN/MAG	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED - MG	REVISED -
PLOT DATE = 11/5/2025	DATE - 11/07/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY AND REMOVAL LIGHTING PLANS – STAGE 3 I-80 OVER DES PLAINES RIVER

SCALE: 1:50	SHEET 3 OF 3 SHEETS	STA. TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	508
		CONTRACT NO. 62R23		
ILLINOIS		FED. AID PROJECT		

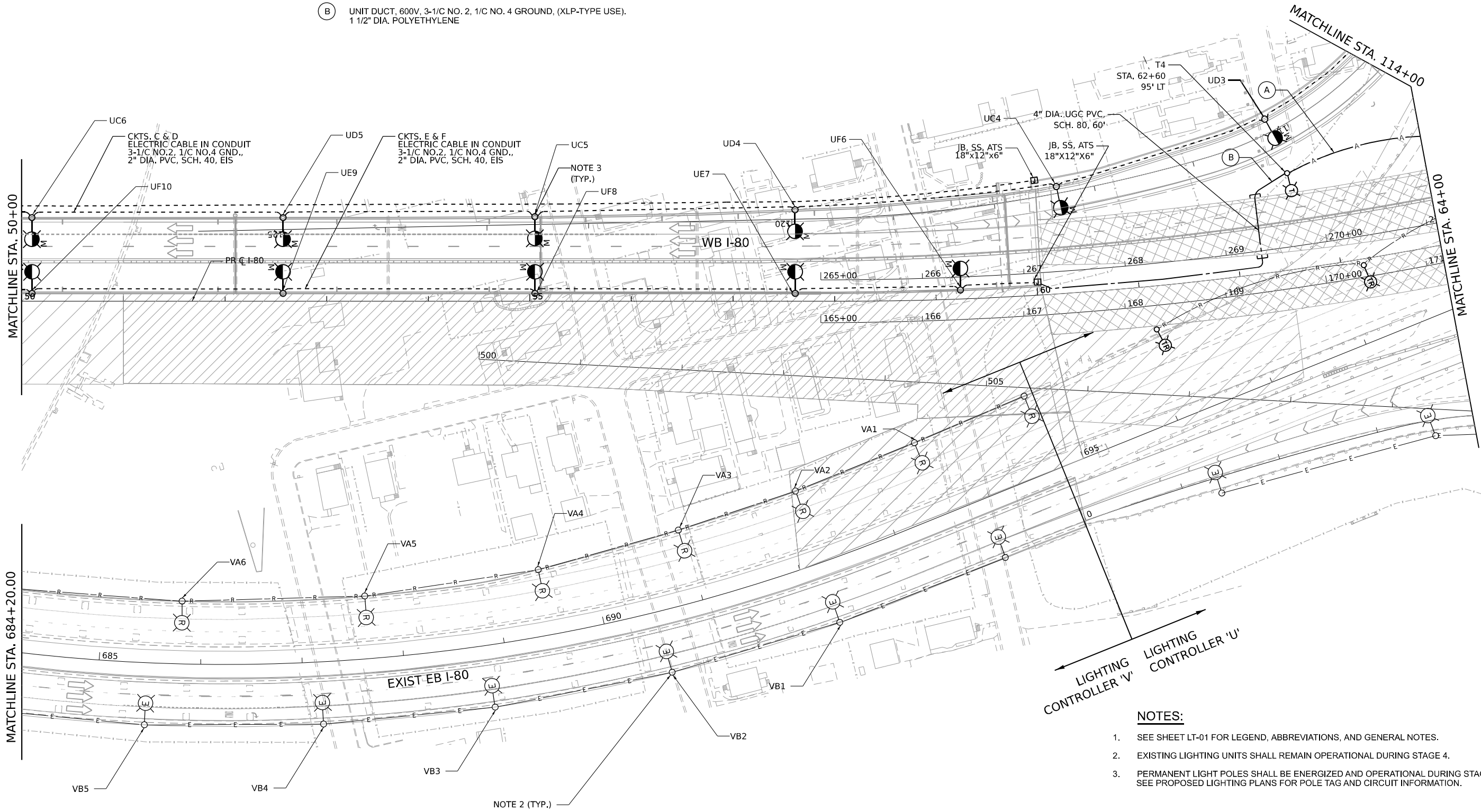
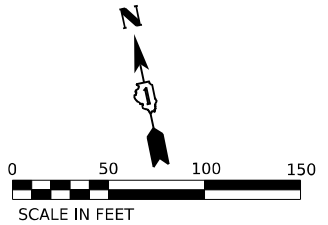


- NOTES:

1. SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. EXISTING LIGHTING UNITS SHALL REMAIN OPERATIONAL DURING STAGE 4.
3. PERMANENT LIGHT POLES SHALL BE ENERGIZED AND OPERATIONAL DURING STAGE 4.
4. PERMANENT NAVIGATION LIGHTING UNIT SHALL REMAIN OPERATIONAL DURING STAGE 4.

LEGEND

- (A) AERIAL CABLE, 3-1/C NO.2 WITH MESSENGER WIRE
- (B) UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE).
1 1/2" DIA. POLYETHYLENE



NOTES:

- SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
- EXISTING LIGHTING UNITS SHALL REMAIN OPERATIONAL DURING STAGE 4.
- PERMANENT LIGHT POLES SHALL BE ENERGIZED AND OPERATIONAL DURING STAGE 4.
SEE PROPOSED LIGHTING PLANS FOR POLE TAG AND CIRCUIT INFORMATION.

LT-07



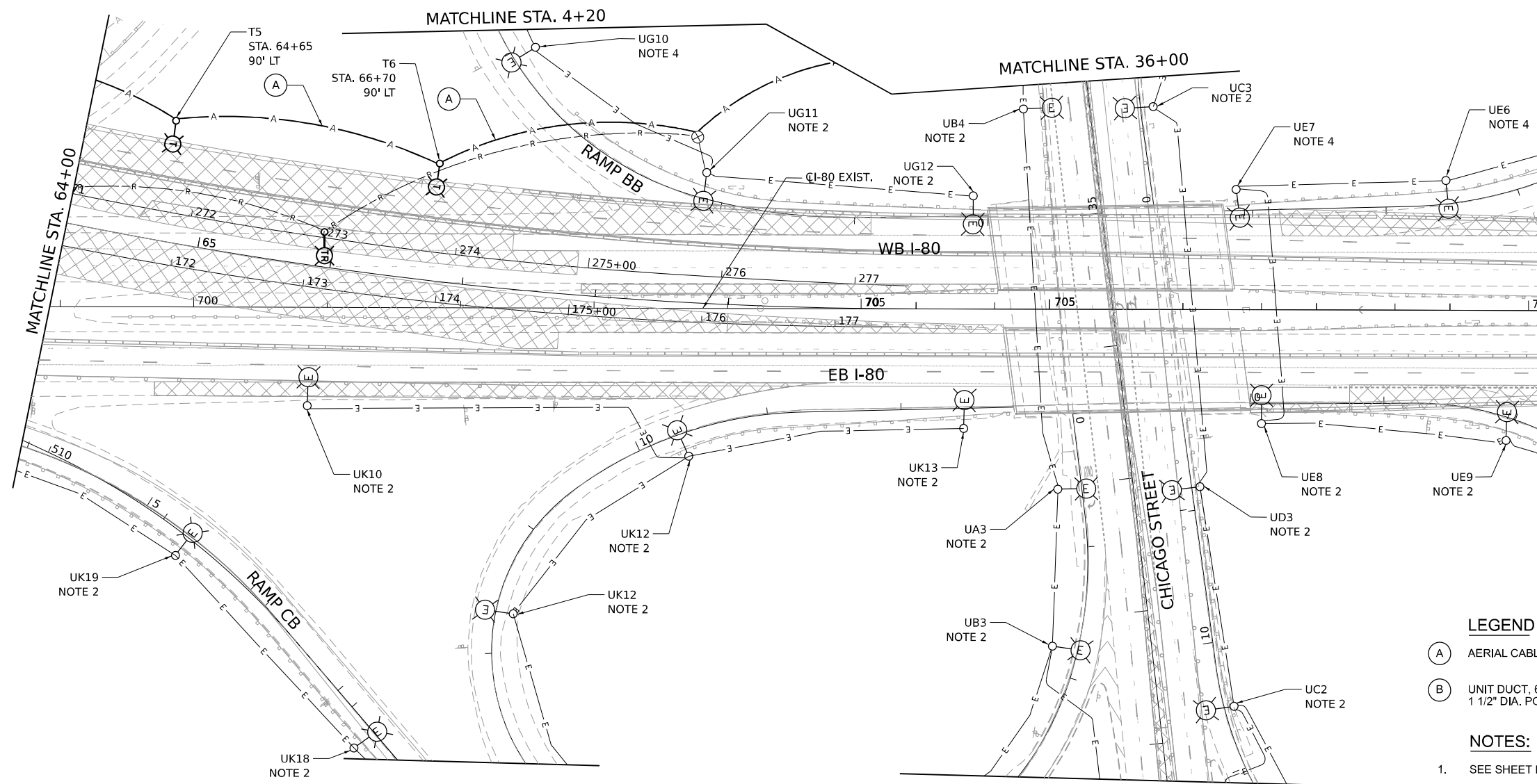
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DRAWN	- VN/MAG	REVIS	-	REVIS	-
PLOT SCALE	= 100,000' / 1"	CHECKED	- MG	REVIS	-
PLOT DATE	= 11/07/2025	DATE	- 11/07/2025	REVIS	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY AND REMOVAL LIGHTING PLANS – STAGE 4
I-80 OVER DES PLAINES RIVER

SCALE: 1:50 SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	510
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



LEGEND

- (A) AERIAL CABLE, 3-1/C NO.2 WITH MESSENGER WIRE
- (B) UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE).
1 1/2" DIA. POLYETHYLENE

NOTES:

- SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
- EXISTING LIGHTING UNIT SHALL REMAIN OPERATIONAL DURING STAGE 4.
- TEMPORARY LIGHTING UNITS AND TEMPORARY BRANCH CIRCUITS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO START OF STAGE 4.
- EXISTING LIGHTING UNIT SHALL BE DE-ENERGIZED WHILE THE RAMP IS CLOSED.

LT-08



USER NAME =	vgurskas
DESIGNED -	VG
DRAWN -	VN/MAG
CHECKED -	MG
DATE -	11/07/2025

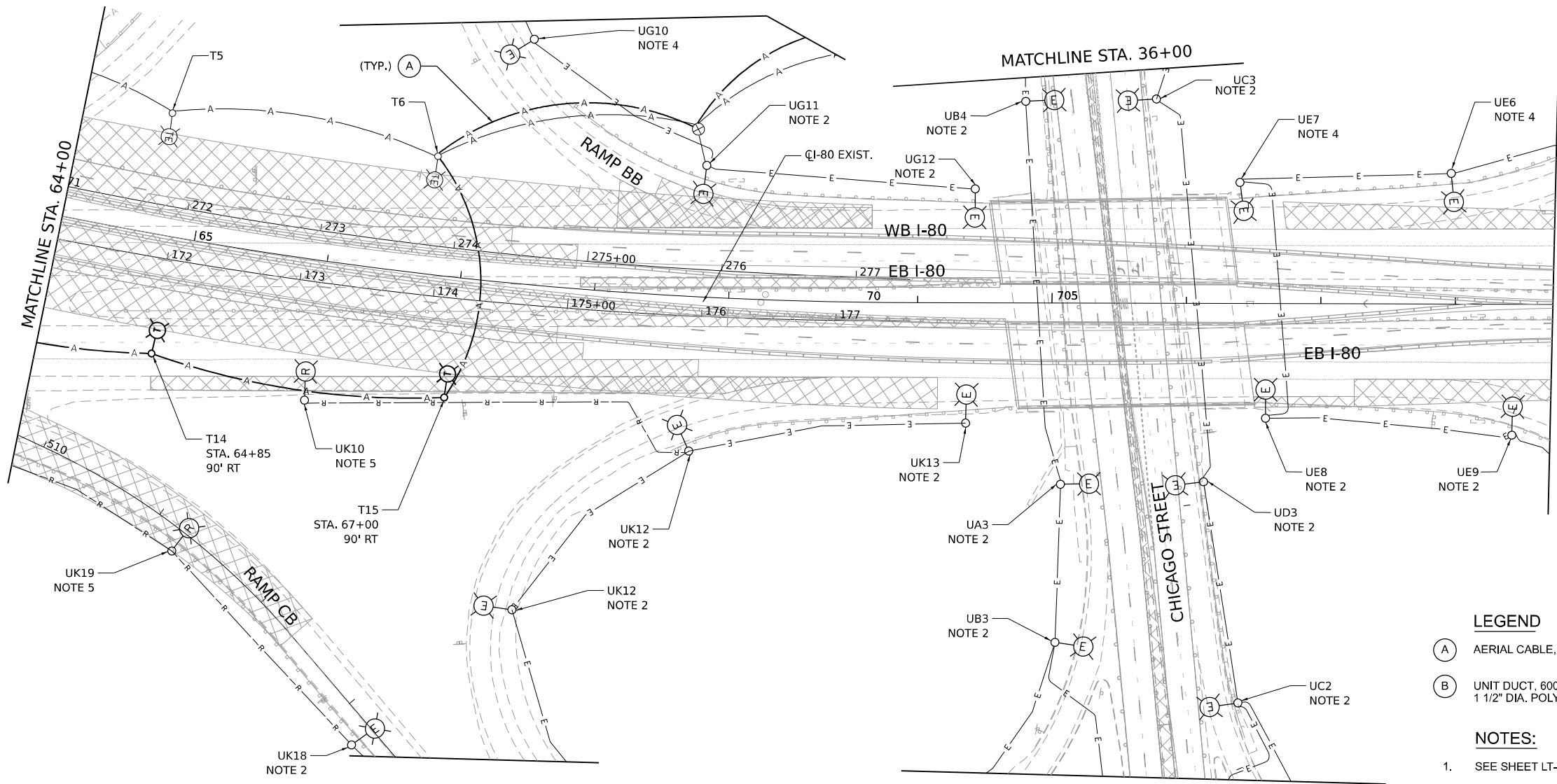
REVISED -	
REVISED -	
REVISED -	
REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY AND REMOVAL LIGHTING PLANS – STAGE 4
I-80 OVER DES PLAINES RIVER

SCALE: 1:50 SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	511
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



LEGEND

- (A) AERIAL CABLE, 3-1/C NO.2 WITH MESSENGER WIRE
- (B) UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE). 1 1/2" DIA. POLYETHYLENE

NOTES:

- SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
- EXISTING LIGHTING UNIT SHALL REMAIN OPERATIONAL DURING STAGE 5A.
- TEMPORARY LIGHTING UNITS AND TEMPORARY BRANCH CIRCUITS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO START OF STAGE 5A.
- EXISTING LIGHTING UNIT SHALL BE DE-ENERGIZED WHILE THE RAMP IS CLOSED.
- EXISTING LIGHTING UNIT SHALL BE REMOVED AND DISCONNECTED PRIOR TO THE START OF STAGE 5A.

LT-12



USER NAME	= vgurskas
DESIGNED	- VG
DRAWN	- VN/MAG
PLOT SCALE	= 100,000' / in.
CHECKED	- MG
DATE	- 11/07/2025
PLOT DATE	= 11/5/2025

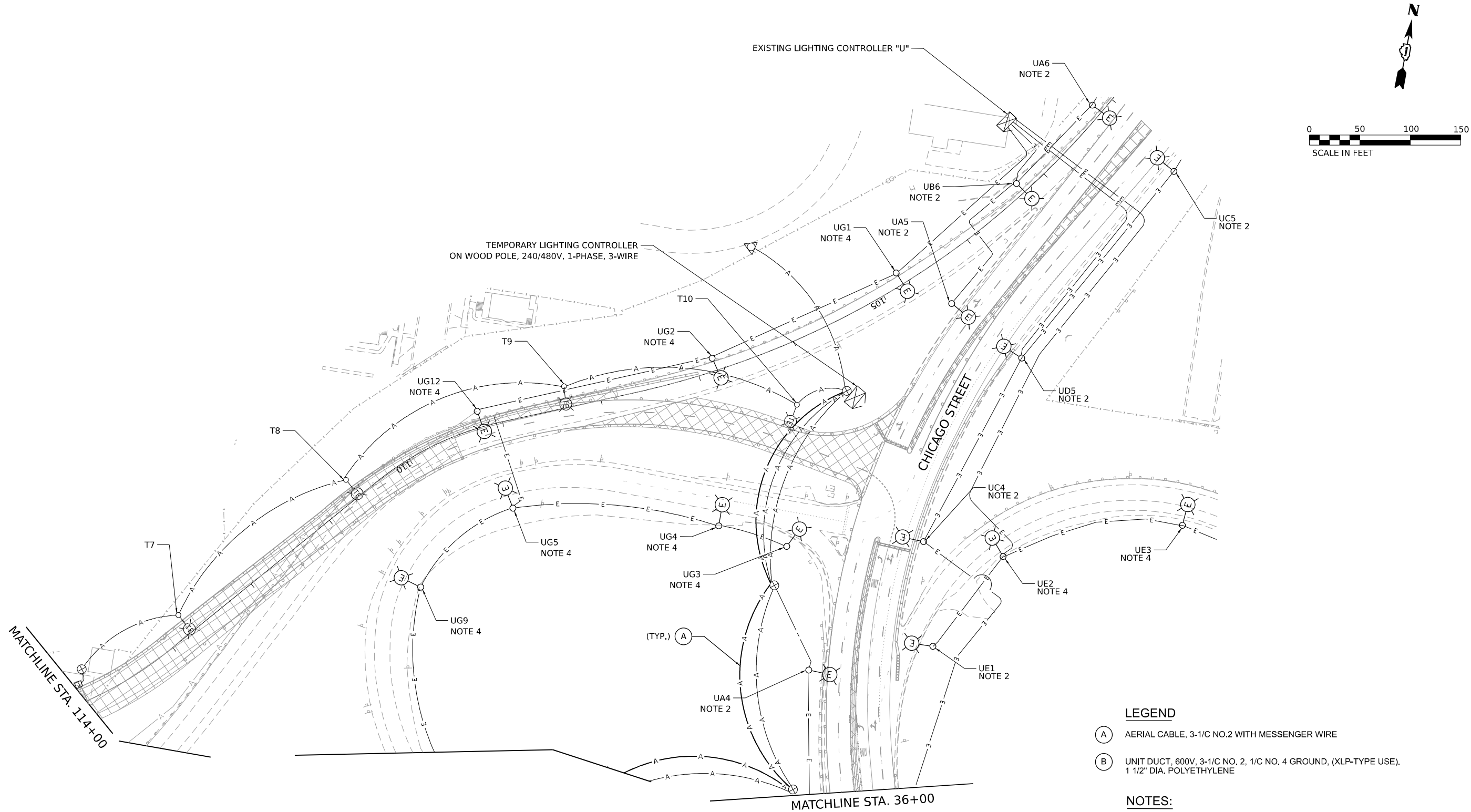
REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY AND REMOVAL LIGHTING PLANS – STAGE 5A
I-80 OVER DES PLAINES RIVER**

SCALE: 1:50 SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	515
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



LEGEND

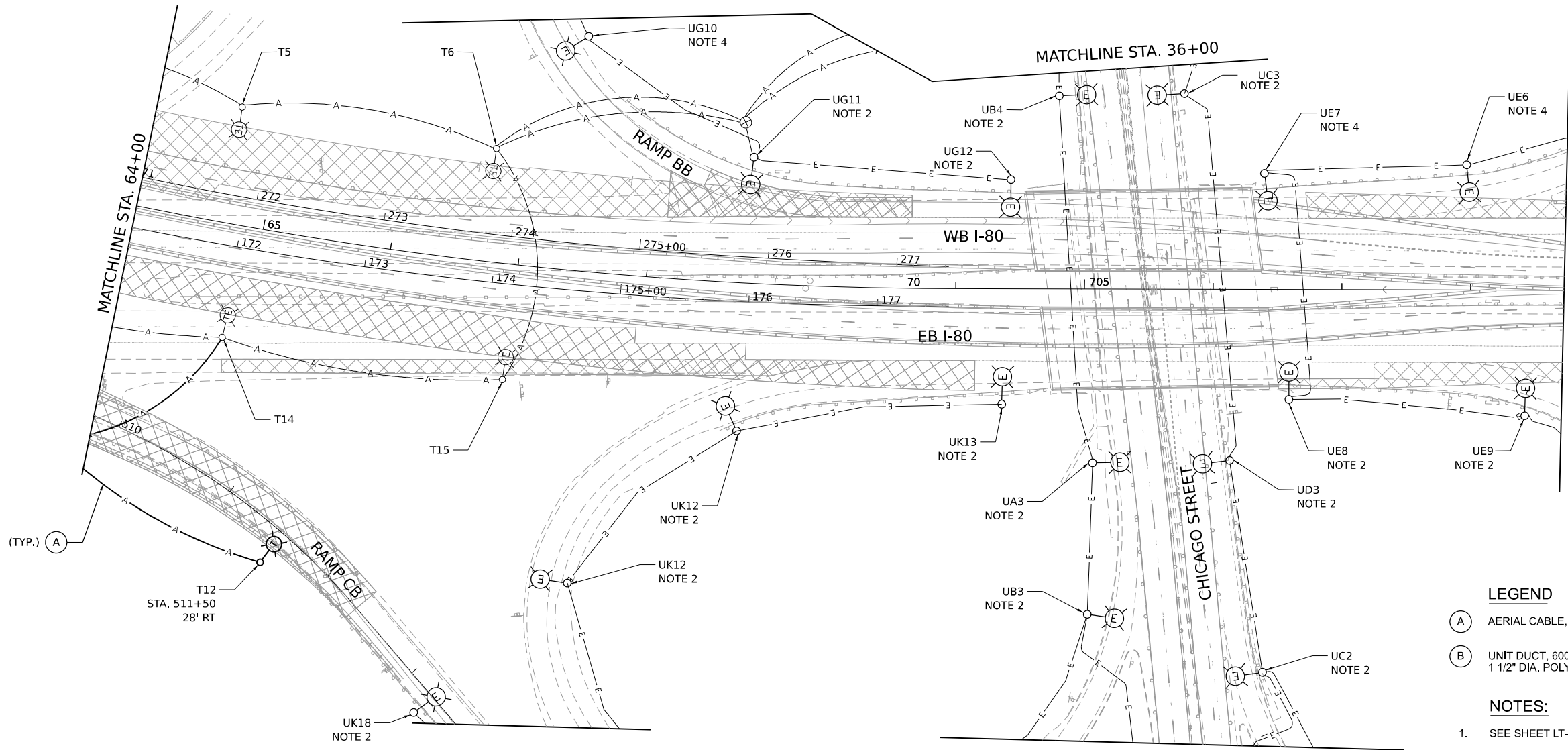
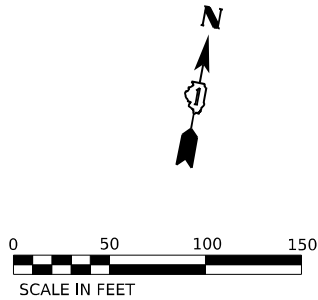
- (A) AERIAL CABLE, 3-1/C NO.2 WITH MESSENGER WIRE
- (B) UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE). 1 1/2" DIA. POLYETHYLENE

NOTES:

- SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
- EXISTING LIGHTING UNIT SHALL REMAIN OPERATIONAL DURING STAGE 5A.
- TEMPORARY LIGHTING UNITS AND TEMPORARY BRANCH CIRCUITS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO START OF STAGE 5A.
- EXISTING LIGHTING UNIT SHALL BE DE-ENERGIZED WHILE THE RAMP IS CLOSED.

USER NAME =	vgurskas	DESIGNED -	VG	REVISED -	
		DRAWN -	VN/MAG	REVISED -	
PLOT SCALE =	100,000' / in.	CHECKED -	MG	REVISED -	
PLOT DATE =	11/5/2025	DATE -	11/07/2025	REVISED -	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	516
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



LEGEND

- (A) AERIAL CABLE, 3-1/C NO.2 WITH MESSENGER WIRE
- (B) UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE). 1 1/2" DIA. POLYETHYLENE

NOTES:

- SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
- EXISTING LIGHTING UNIT SHALL REMAIN OPERATIONAL DURING STAGE 5B.
- TEMPORARY LIGHTING UNITS AND TEMPORARY BRANCH CIRCUITS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO START OF STAGE 5B.
- EXISTING LIGHTING UNIT SHALL BE DE-ENERGIZED WHILE THE RAMP IS CLOSED.
- STAGE 5B TEMPORARY LIGHTING SHALL REMAIN IN PLACE AND BE OPERATIONAL AFTER CONSTRUCTION.

LT-16



USER NAME =	vgurskas	DESIGNED -	VG
		DRAWN -	VN/MAG
PLOT SCALE =	100,000' / in.	CHECKED -	MG
PLOT DATE =	11/5/2025	DATE -	11/07/2025

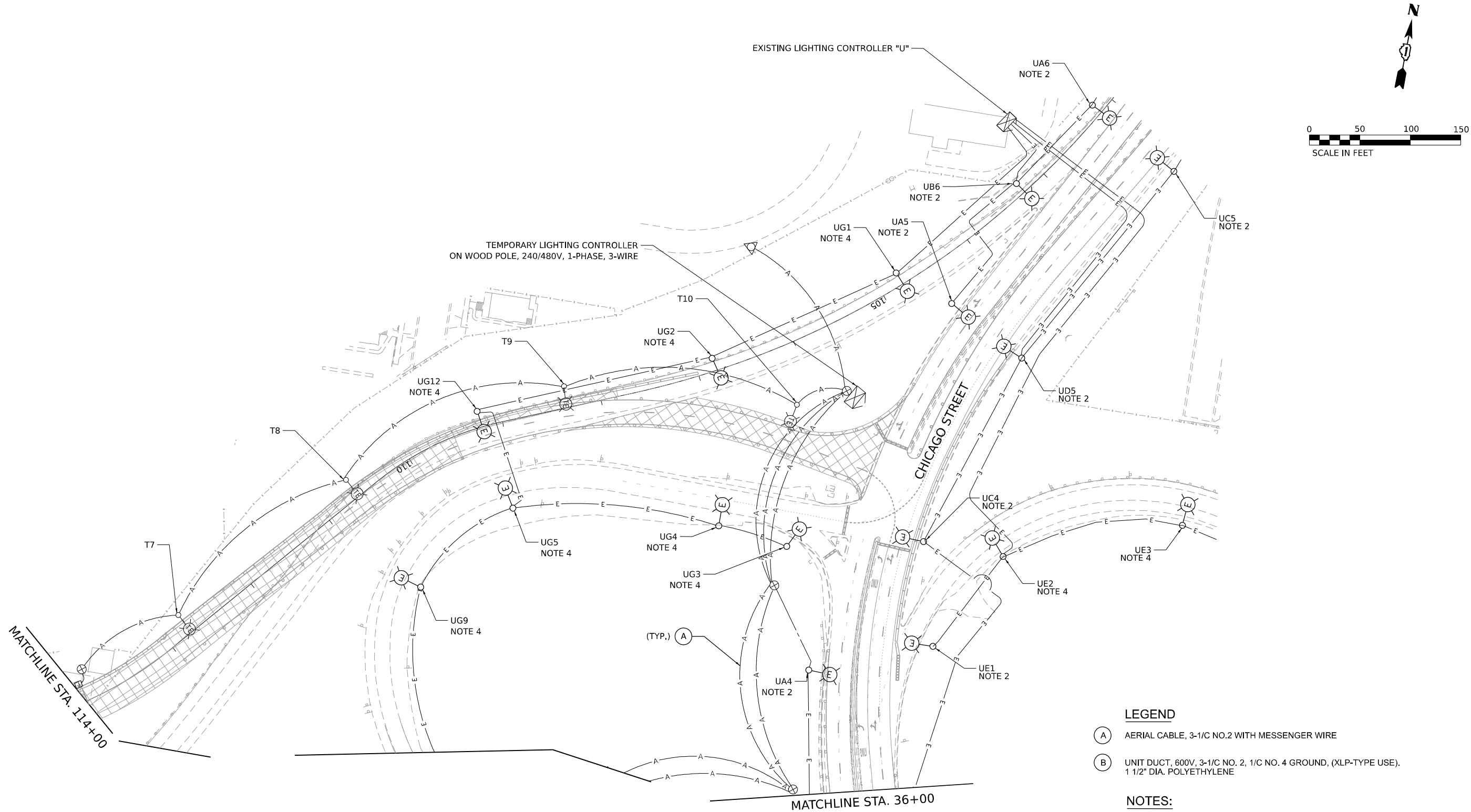
REVISED -	
REVISED -	
REVISED -	
REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY AND REMOVAL LIGHTING PLANS – STAGE 5B
I-80 OVER DES PLAINES RIVER

SCALE: 1:50 SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	519
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



LEGEND

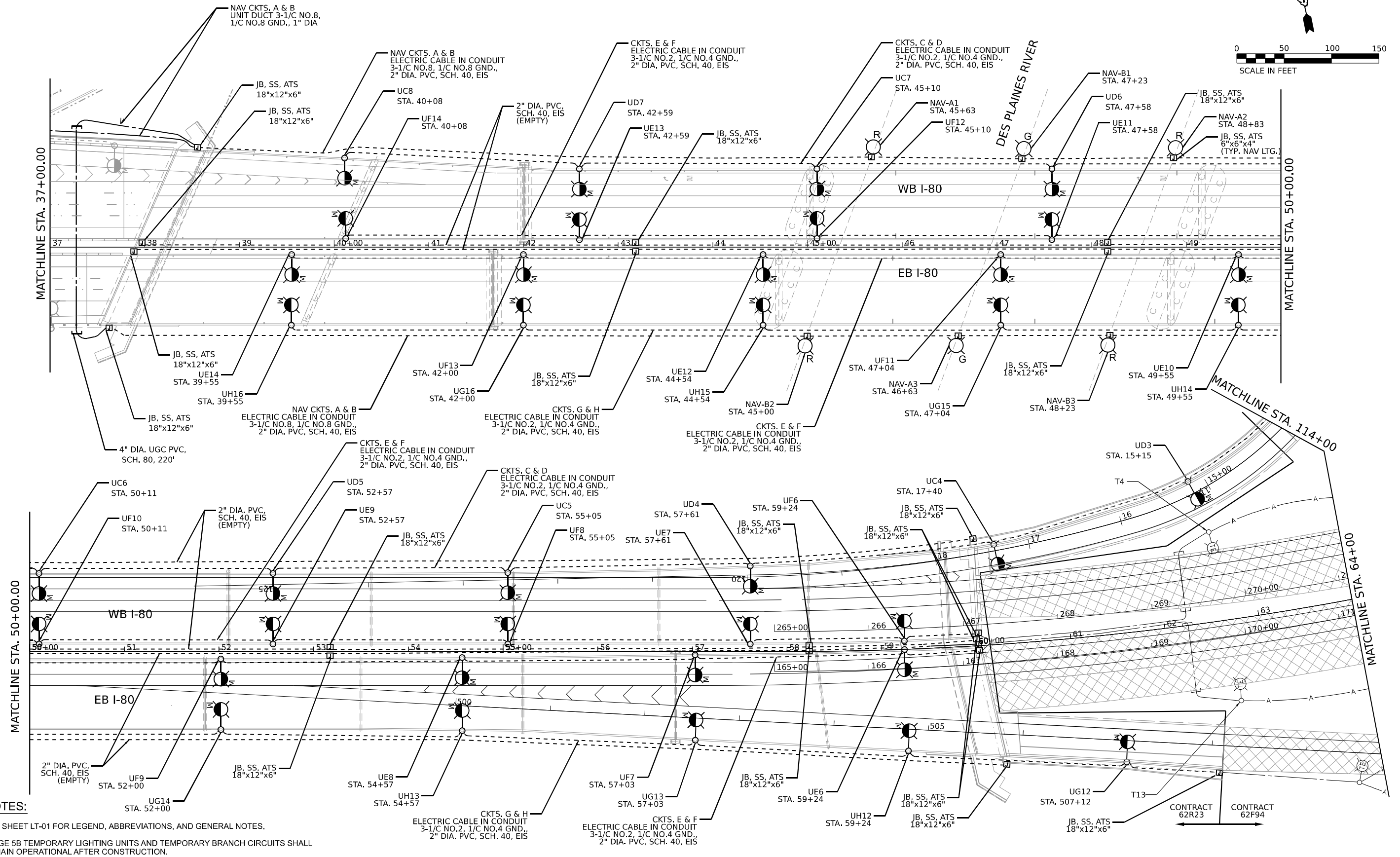
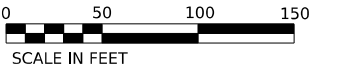
- (A) AERIAL CABLE, 3-1/C NO.2 WITH MESSENGER WIRE
- (B) UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE). 1 1/2" DIA. POLYETHYLENE

NOTES:

- SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
- EXISTING LIGHTING UNIT SHALL REMAIN OPERATIONAL DURING STAGE 5B.
- TEMPORARY LIGHTING UNITS AND TEMPORARY BRANCH CIRCUITS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO START OF STAGE 5B.
- EXISTING LIGHTING UNIT SHALL BE DE-ENERGIZED WHILE THE RAMP IS CLOSED.
- STAGE 5B TEMPORARY LIGHTING SHALL REMAIN IN PLACE AND BE OPERATIONAL AFTER CONSTRUCTION.

USER NAME =	vgurskas	DESIGNED -	VG	REVISED -	
		DRAWN -	VN/MAG	REVISED -	
PLOT SCALE =	100,000' / in.	CHECKED -	MG	REVISED -	
PLOT DATE =	11/5/2025	DATE -	11/07/2025	REVISED -	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	520
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



LT-19



USER NAME	= vgurskas
DESIGNED	- VG
DRAWN	- VN/MAG
CHECKED	- MG
DATE	- 11/07/2025

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN
I-80 OVER DES PLAINES RIVER BRIDGE

SCALE: 1"=50' SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	522
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



1. SEE SHEET LT-01 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. EXISTING LIGHTING UNIT SHALL REMAIN OPERATIONAL.
3. STAGE 5B TEMPORARY LIGHTING UNITS AND TEMPORARY BRANCH CIRCUITS SHALL REMAIN OPERATIONAL AFTER CONSTRUCTION.
4. EXISTING LIGHTING UNIT SHALL BE DE-ENERGIZED WHILE THE RAMP IS CLOSED.
5. EXISTING LIGHTING UNIT SHALL BE ENERGIZED WHILE THE RAMP IS REOPENED.

USER NAME =	vgurskas	DESIGNED =	VG	REVISED =	
		DRAWN =	VN/MAG	REVISED =	
PLOT SCALE =	100,000' / in.	CHECKED =	MG	REVISED =	
PLOT DATE =	11/5/2025	DATE =	11/07/2025	REVISED =	











**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

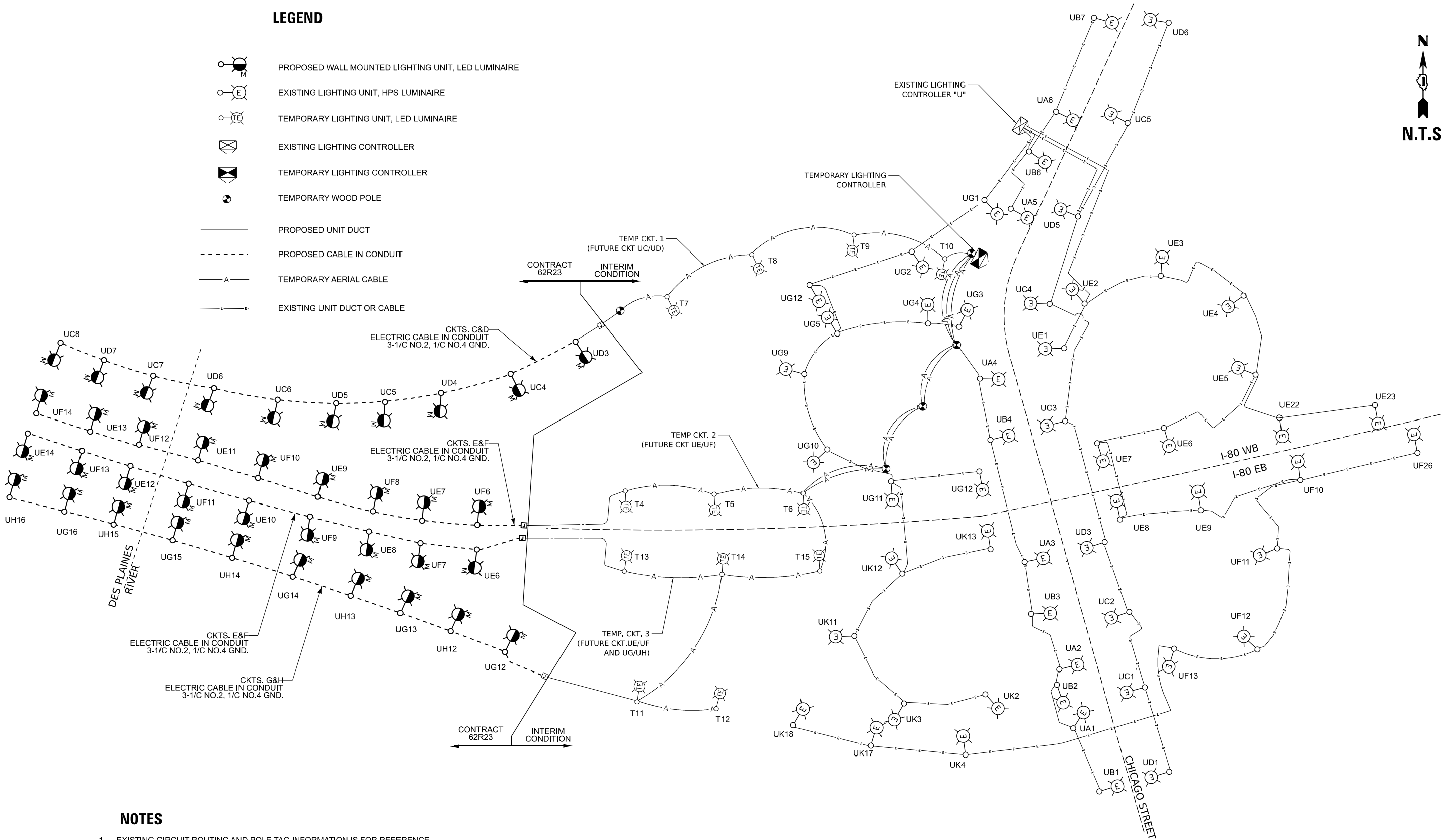
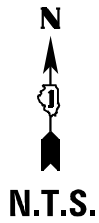
PROPOSED LIGHTING PLAN I-80 OVER DES PLAINES RIVER

SCALE: 1:50	SHEET 3 OF 4 SHEETS	STA. _____ TO STA. _____
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	523
		CONTRACT NO. 62R23		
	ILLINOIS	FED. AID PROJECT		

LEGEND

-  PROPOSED WALL MOUNTED LIGHTING UNIT, LED LUMINAIRE
-  EXISTING LIGHTING UNIT, HPS LUMINAIRE
-  TEMPORARY LIGHTING UNIT, LED LUMINAIRE
-  EXISTING LIGHTING CONTROLLER
-  TEMPORARY LIGHTING CONTROLLER
-  TEMPORARY WOOD POLE
-  PROPOSED UNIT DUCT
-  PROPOSED CABLE IN CONDUIT
-  TEMPORARY AERIAL CABLE
-  EXISTING UNIT DUCT OR CABLE



NOTES

1. EXISTING CIRCUIT ROUTING AND POLE TAG INFORMATION IS FOR REFERENCE ONLY AND SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
2. PROPOSED POLES ARE LABELED FOR FUTURE FINAL CONDITION. SEE SHEET LT-23 FOR MORE INFORMATION.

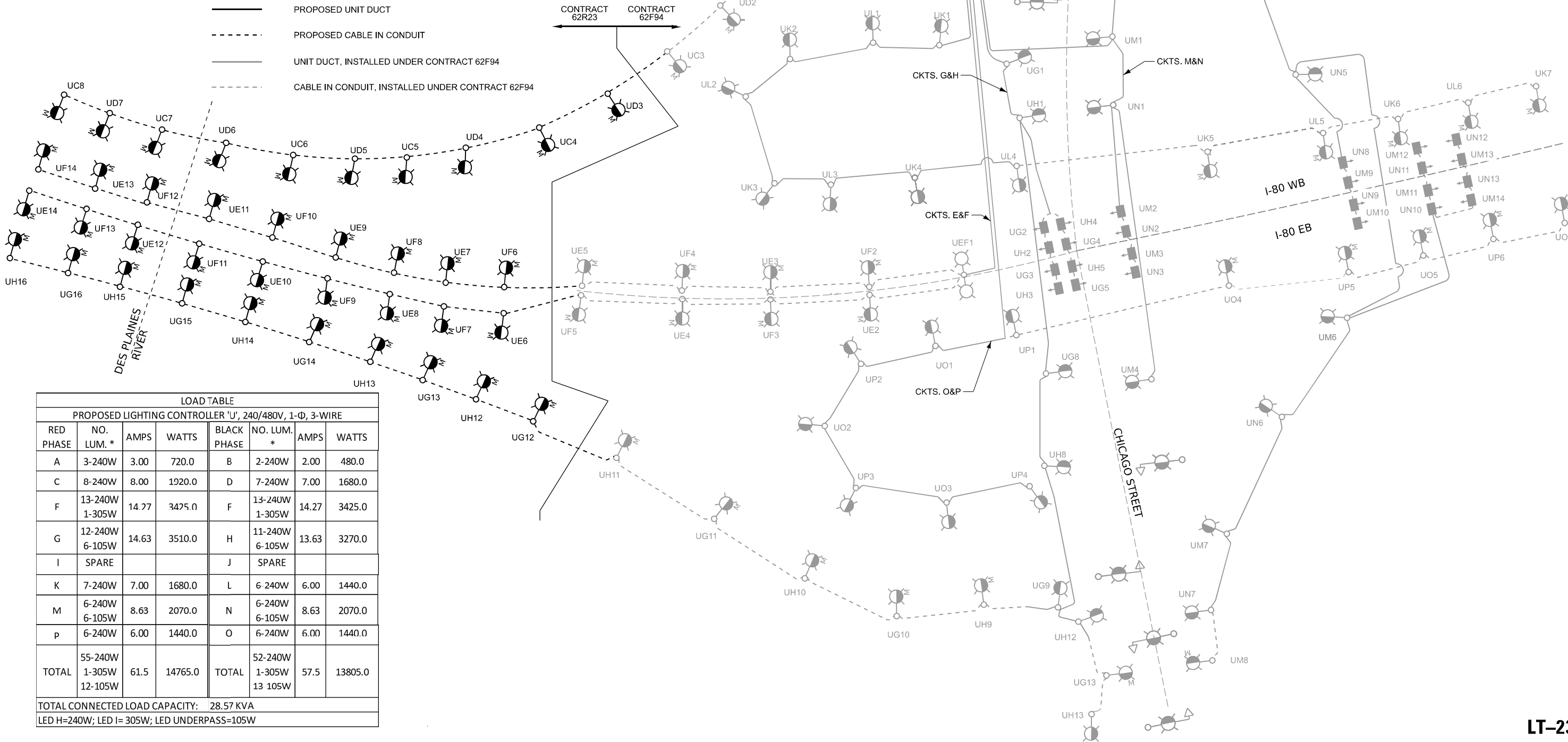
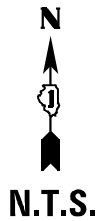
LEGEND

-
- PROPOSED IDOT LIGHTING UNIT, LED LUMINAIRE

PROPOSED SERVICE
240/480V, SINGLE PHASE,
3 WIRE

SERVICE CABLE
3-1/C 350MCM, UGC

PROPOSED IDOT LIGHTING
CONTROLLER "U, L0750", 480V, 200 AMP,
DUAL WITH RADIO & FIBER OPTIC PROVISION



LOAD TABLE							
PROPOSED LIGHTING CONTROLLER "U", 240/480V, 1-Φ, 3-WIRE							
RED PHASE	NO. LUM. *	AMPS	WATTS	BLACK PHASE	NO. LUM. *	AMPS	WATTS
A	3-240W	3.00	720.0	B	2-240W	2.00	480.0
C	8-240W	8.00	1920.0	D	7-240W	7.00	1680.0
F	13-240W 1-305W	14.27	3425.0	F	13-240W 1-305W	14.27	3425.0
G	12-240W 6-105W	14.63	3510.0	H	11-240W 6-105W	13.63	3270.0
I	SPARE			J	SPARE		
K	7-240W	7.00	1680.0	L	6-240W	6.00	1440.0
M	6-240W 6-105W	8.63	2070.0	N	6-240W 6-105W	8.63	2070.0
p	6-240W	6.00	1440.0	O	6-240W	6.00	1440.0
TOTAL	55-240W 1-305W 12-105W	61.5	14765.0	TOTAL	52-240W 1-305W 13 105W	57.5	13805.0
TOTAL CONNECTED LOAD CAPACITY: 28.57 KVA							
LED H=240W; LED I= 305W; LED UNDERPASS=105W							

LT-23



USER NAME	= vgurskas
DESIGNED	- VG
DRAWN	- VN/MAG
CHECKED	- MG
DATE	- 11/07/2025
PLOT SCALE	= 0.167" / in.
PLOT DATE	= 11/5/2025

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED IDOT CONTROLLER "U" WIRING SCHEMATIC

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	526
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



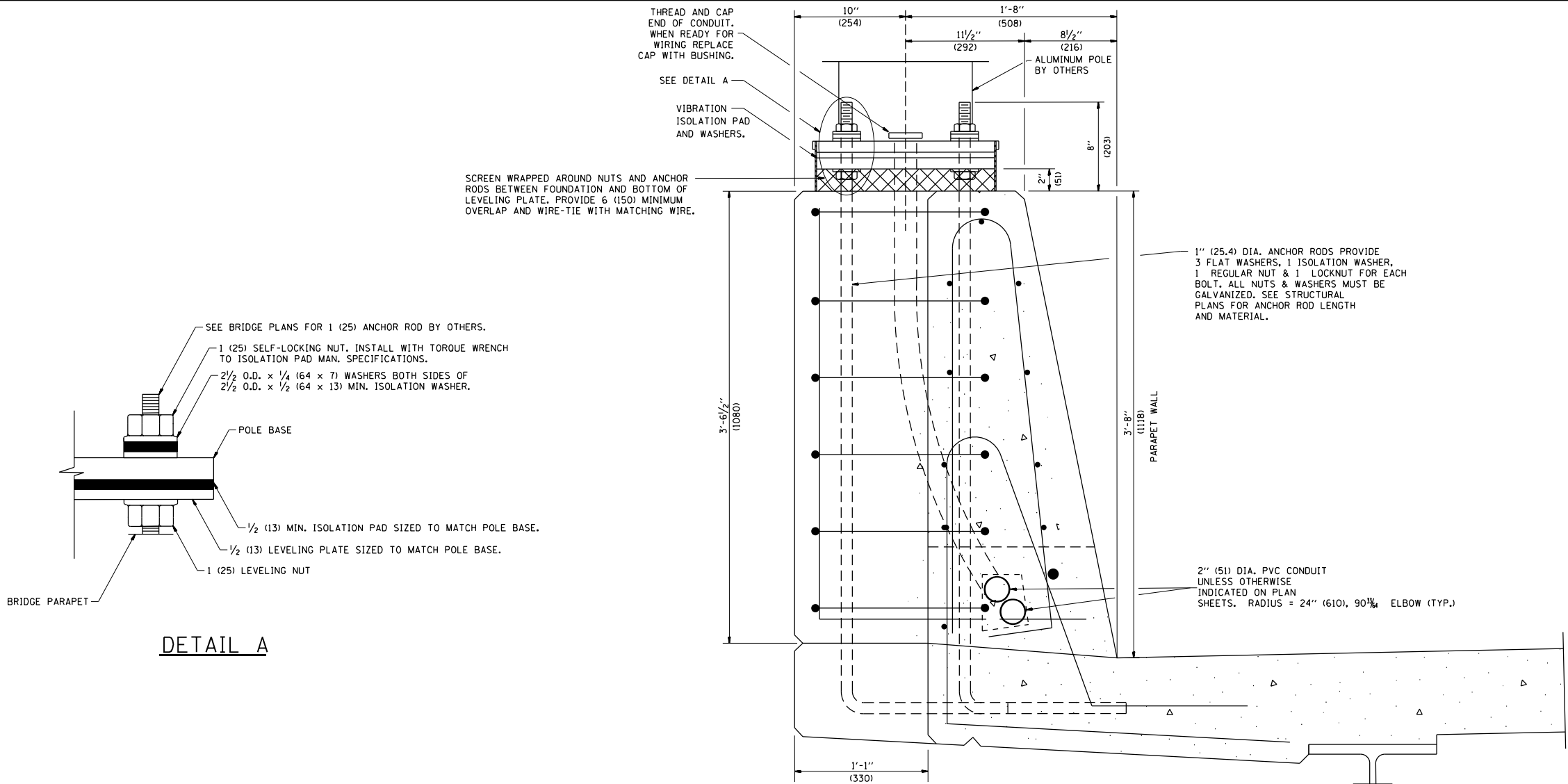
PROPOSED NAVIGATION LIGHTING CONTROLLER

WIRING SCHEMATIC

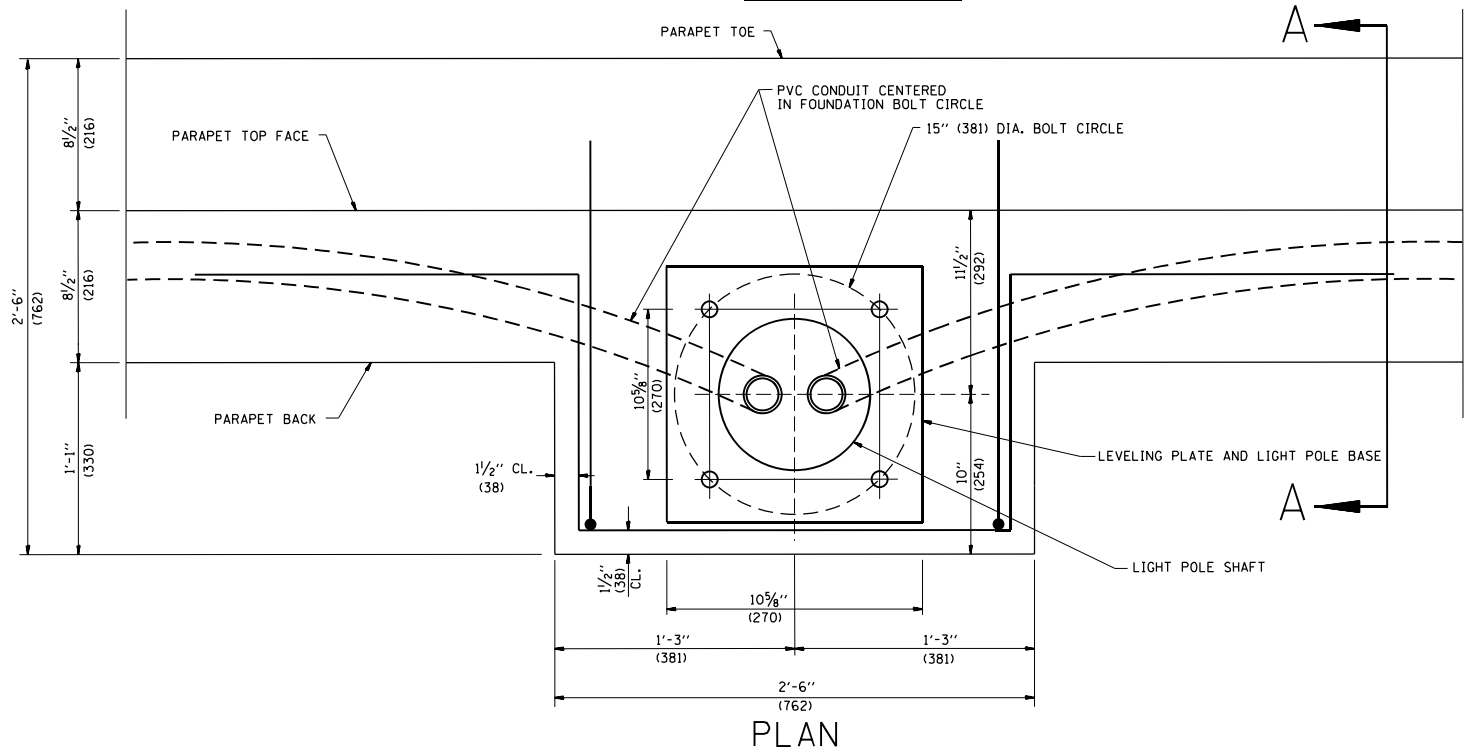
NOT TO SCALE

1. ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE. CONTRACTOR SHALL VERIFY DIMENSIONS IN THE FIELD PRIOR TO SUBMITTING SHOP DRAWINGS.
2. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL OF THE NAVIGATION LIGHT ASSEMBLY.
3. FOR DIMENSIONS OF OTHER STRUCTURAL MEMBERS, REFER TO THE STRUCTURAL PLANS.
4. TOP OF NAVIGATION LIGHT HOUSING SHALL BE AT THE SAME ELEVATION AS THE BOTTOM THE ADJACENT GIRDER.
5. LIQUID-TIGHT CONDUIT AND CABLES FROM JUNCTION BOX TO NAVIGATION LIGHT SHALL BE INCLUDED IN THE COST OF THE NAVIGATION LIGHTING UNIT.

MODEL: Detail.dwg
FILE NAME: j:\trans\trans\pwr-detail\Documents\Projects_2018\CH401401180223034\SP\CAD\SPR22-402-1\Sheet\Lighting\062R23-402.dgn



SECTION A-A

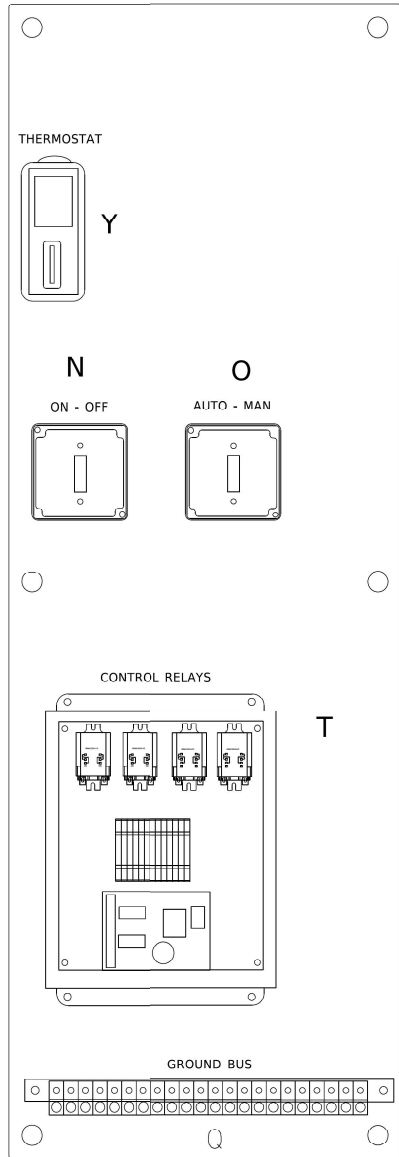


NOTES

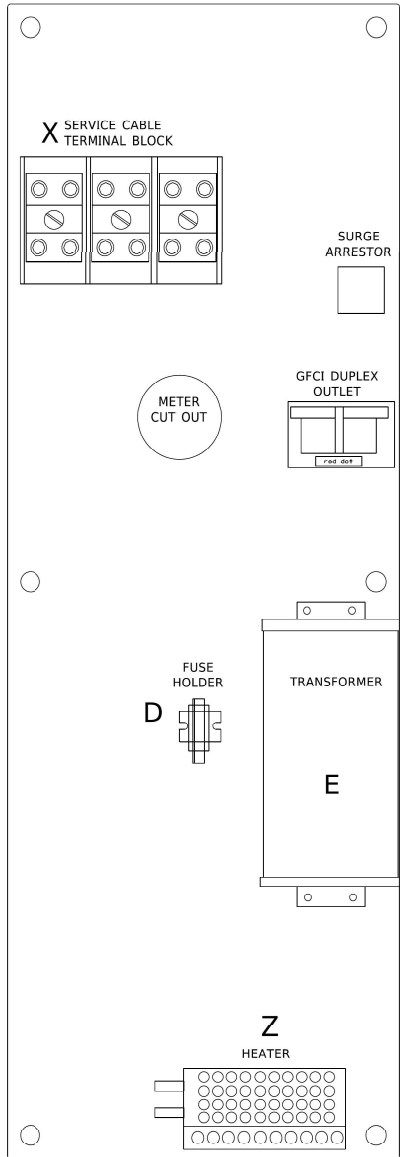
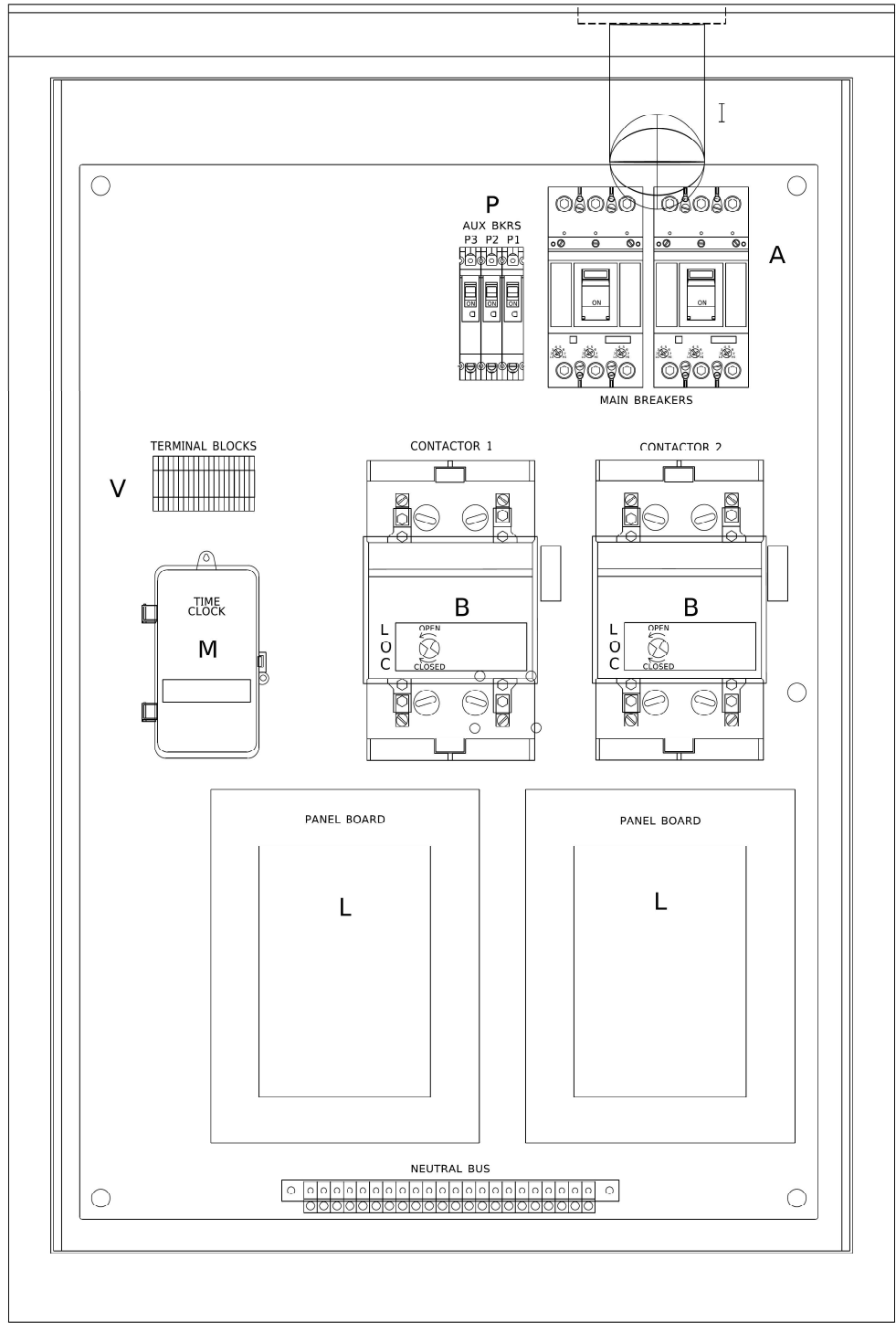
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE COST OF ANCHOR RODS IS INCLUDED WITH CONCRETE SUPERSTRUCTURE.
3. SEE STRUCTURAL PLANS FOR ANCHOR ROD AND REBAR DETAILS.

MODEL: D:\sina\p\transp\transp\cadd\cadd\Documents\Projects_2018\CH401140118022\03\HSP\CAD\62R23\49-1\Sheet\Lighting\0162R23-49-1.dgn
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FILE NAME: p:\transp\transp\cadd\cadd\Documents\Projects_2018\CH401140118022\03\HSP\CAD\62R23\49-1\Sheet\Lighting\0162R23-49-1.dgn



LEFT SIDE PANEL



RIGHT SIDE PANEL

BILL OF MATERIALS		
ITEM *	QTY	DESCRIPTION
A	2	MAIN BREAKERS 2 POLE 200 AMP WITH AUX CONTACT
B	2	MECHANICAL CONTRACTOR 2 POLE 200 AMP 240V COIL WITH AUX CONTACTS
D	1	SECTIONAL FUSE HOLDER
E	1	2.0 KVA 277V-240/120 TRASFORMER
G	1	15 AMP GFCI
H	2	DOOR SWITCH
I	1	LIGHT FIXTURE
J	1	METER FITTING 1 PHASE 3 WIRE 200 AMP
K	1	SURGE ARRESTER
L	2	PANEL BOARD 480/240V 1 PHASE, 250 AMP COPPER BUS
M	1	2 CHANNEL DIGITAL TIME CLOCK
N	1	MOMENTARY SWITCH ON - OF
O	1	DPDT 20 AMP AUTO-MANUAL
P1	1	BREAKER 1P 15A
P2	1	BREAKER 1P 15A
P3	1	BREAKER 1P 15A
Q	2	COPPER GROUND AND NEUTRAL BUS 1 x 16 x ¼
T	1	CONTROL RELAY ASSEMBLY 240V COILS WITH DPDT 25 AMP RELAYS (R1,R2,R3,R4). MOMENTARY CONTACT ADAPTER. QTY 12
V	20	TERMINAL BLOCKS
X	1	620 AMP SPLICE BLOCK
Y	1	CHROMALOX WR 80, 40-80 DEG THERMOSTAT
Z	1	HEATREX 276-10 375 WATT HEATER

*

USER NAME = footemj	DESIGNED -	REVISED - R. TOMSONS 03-29-12
PLOT SCALE = 30.0000' / in.	DRAWN - CADD	REVISED -
PLOT DATE = 4/19/2019	CHECKED -	REVISED -
	DATE - 12-18-02	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING CONTROLLER, BASE MOUNTED
480 VOLT, 200 AMP, (DUAL)

SCALE: NONE SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	530
E-200 (BE-200)		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

E-200

SINGH
SINGH & ASSOCIATES INC.
CONSULTING ENGINEERS

USER NAME = vgurskas	DESIGNED - VG	REVISED -
PLOT SCALE = 0.167' / in.	DRAWN - VN/MAG	REVISED -
PLOT DATE = 11/5/2025	CHECKED - MG	REVISED -
	DATE - 11/07/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

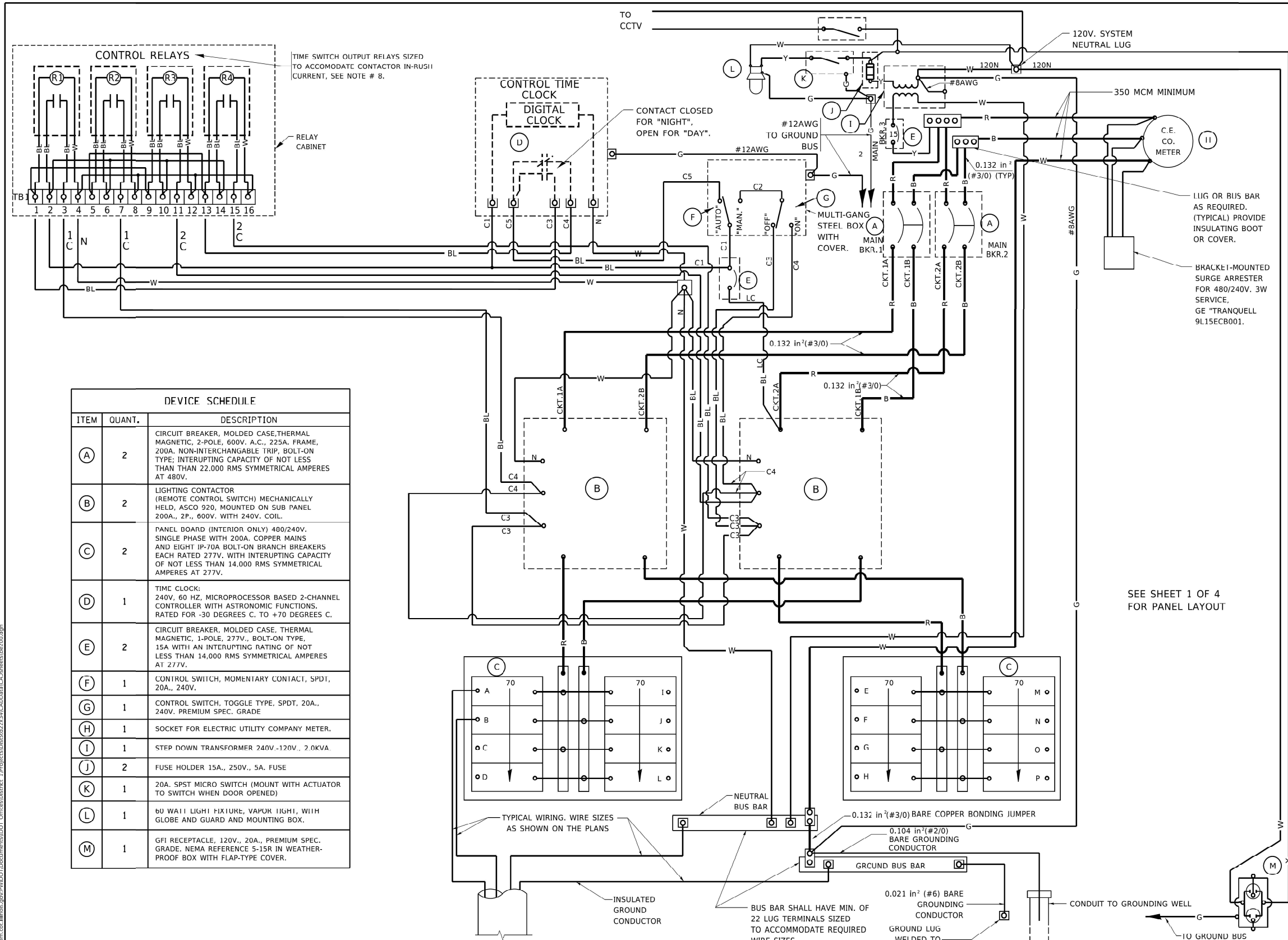
IDOT D1 – TEMPORARY CONTROLLER DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	530
		CONTRACT NO. 62R23		
		ILLINOIS FED. AID PROJECT		

LT-27

MODEL: Default
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DEVICE SCHEDULE		
ITEM	QUANT.	DESCRIPTION
(A)	2	CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 2-POLE, 600V. A.C., 225A. FRAME, 200A. NON-INTERCHANGABLE TRIP, BOLT-ON TYPE; INTERRUPTING CAPACITY OF NOT LESS THAN 22,000 RMS SYMMETRICAL AMPERES AT 480V.
(B)	2	LIGHTING CONTACTOR (REMOTE CONTROL SWITCH) MECHANICALLY HELD, ASCO 920, MOUNTED ON SUB PANEL 200A., 2P., 600V. WITH 240V. COIL.
(C)	2	PANEL BOARD (INTERIOR ONLY) 480/240V. SINGLE PHASE WITH 200A. COPPER MAINS AND EIGHT IP-70A BOLT-ON BRANCH BREAKERS EACH RATED 277V. WITH INTERRUPTING CAPACITY OF NOT LESS THAN 14,000 RMS SYMMETRICAL AMPERES AT 277V.
(D)	1	TIME CLOCK: 240V, 60 HZ, MICROPROCESSOR BASED 2-CHANNEL CONTROLLER WITH ASTRONOMIC FUNCTIONS. RATED FOR -30 DEGREES C. TO +70 DEGREES C.
(E)	2	CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 1-POLE, 277V., BOLT-ON TYPE, 15A WITH AN INTERRUPTING RATING OF NOT LESS THAN 14,000 RMS SYMMETRICAL AMPERES AT 277V.
(F)	1	CONTROL SWITCH, MOMENTARY CONTACT, SPDT, 20A., 240V.
(G)	1	CONTROL SWITCH, TOGGLE TYPE, SPDT, 20A., 240V. PREMIUM SPEC. GRADE
(H)	1	SOCKET FOR ELECTRIC UTILITY COMPANY METER.
(I)	1	STEP DOWN TRANSFORMER 240V.-120V., 2.0KVA.
(J)	2	FUSE HOLDER 15A., 250V., 5A. FUSE
(K)	1	20A. SPST MICRO SWITCH (MOUNT WITH ACTUATOR TO SWITCH WHEN DOOR OPENED)
(L)	1	60 WALL LIGHT FIXTURE, VAPOR LIGHT, WITH GLOBE AND GUARD AND MOUNTING BOX.
(M)	1	GFI RECEPTACLE, 120V., 20A., PREMIUM SPEC. GRADE. NEMA REFERENCE 5-15R IN WEATHER-PROOF BOX WITH FLAP-TYPE COVER.

NOTES:

1. ALL CONTROL CABINET ITEMS SHALL HAVE SUITABLE IDENTIFICATION. OPEN CIRCUIT BREAKERS, CONTACTORS AND OTHER OPEN DEVICES SHALL HAVE PERMANENT SELF STICKING TAGS. DEVICES IN ENCLOSURES SHALL HAVE ENGRAVED 2-COLOR LAMINATED PLASTIC NAMEPLATES ATTACHED TO ENCLOSURES WITH SCREWS. NAMEPLATES SHALL BE ENGRAVED TO CORRESPOND TO DESIGNATIONS ON THE DRAWINGS. INTERNAL CABINET WIRING SHALL BE IDENTIFIED AS INDICATED OR AS DIRECTED BY THE ENGINEER BY MEANS OF SELF-STICKING TAGS APPLIED AT EACH CONNECTED END. IDENTIFICATION SHALL BE MADE BY THE CABINET MANUFACTURER.
2. ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.

R = RED Y = YELLOW
B = BLACK W = WHITE
BL = BLUE G = GREEN
3. PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
4. ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12AWG STRANDED UNLESS OTHERWISE INDICATED.
5. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
6. THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL"
7. SEE CABINET AND FOUNDATION DETAIL SHEET FOR SCHEMATIC DIAGRAM AND DEVICE LAYOUT.
8. CONTROL RELAYS CAN BE ELIMINATED IF THE CONTROL TIME CLOCK OUTPUT CONTACTS ARE RATED FOR CONTACTOR INRUSH CURRENT.

MODEL: Default FILE NAME: p:\projects\transp\cwr\shared\Documents\Projects_2018\CH401401180022034\SPCAD\62R23-480-1\Sheet\Lighting\D162R23-480.dgn	USER NAME = footemj		DESIGNED - G. BRATKIV	REVISED - M. BURNS 07-25-91	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING CONTROLLER, BASE MOUNTED 480 VOLT, 200 AMP. (DUAL)		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 30,0000' / in.		DRAWN -	REVISED - S. MANLEY 10-11-93		SCALE: NONE		E-200 (BE-200)				
	PLOT DATE = 4/19/2019		CHECKED -	REVISED - R. TOMSONS 03-29-12		SHEET 2 OF 4 SHEETS		CONTRACT NO.				
			DATE - 06-30-86	REVISED -		STA. TO STA.		ILLINOIS FED. AID PROJECT				

E-200

SINGH
SINGH & ASSOCIATES INC.
CONSULTING ENGINEERS

USER NAME = vgurskas	DESIGNED - VG	REVISED -
DRAWN - VN/MAG	REVISED -	
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PLOT DATE = 11/5/2025	DATE - 11/07/2025	REVISED -

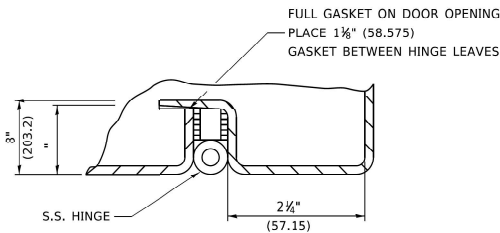
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT D1 - TEMPORARY CONTROLLER DETAILS

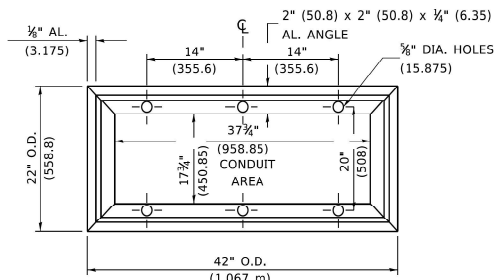
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	531
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

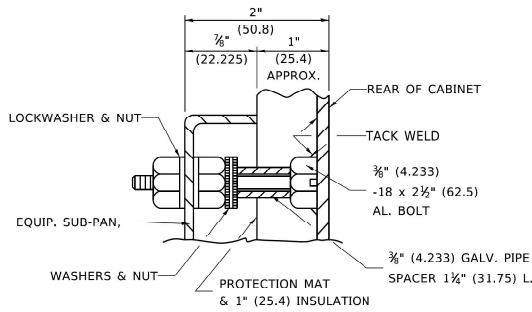
LT-28



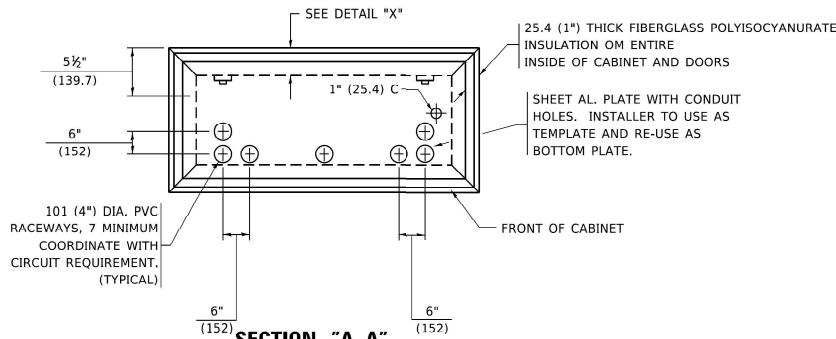
DETAIL "Y"



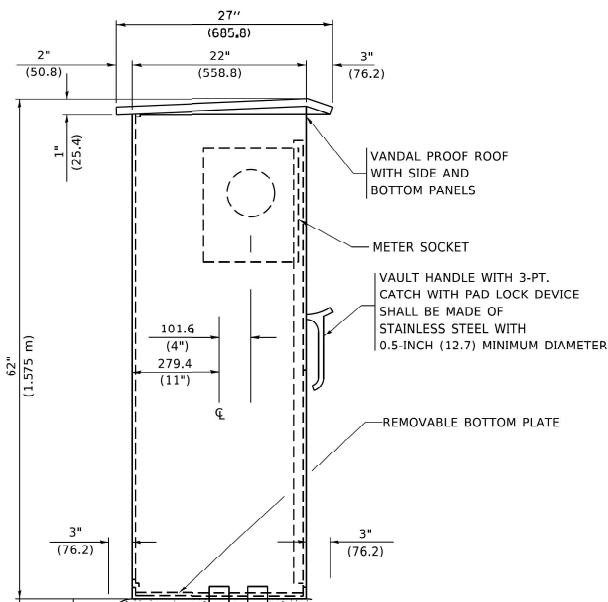
BASE MTG. DETAIL



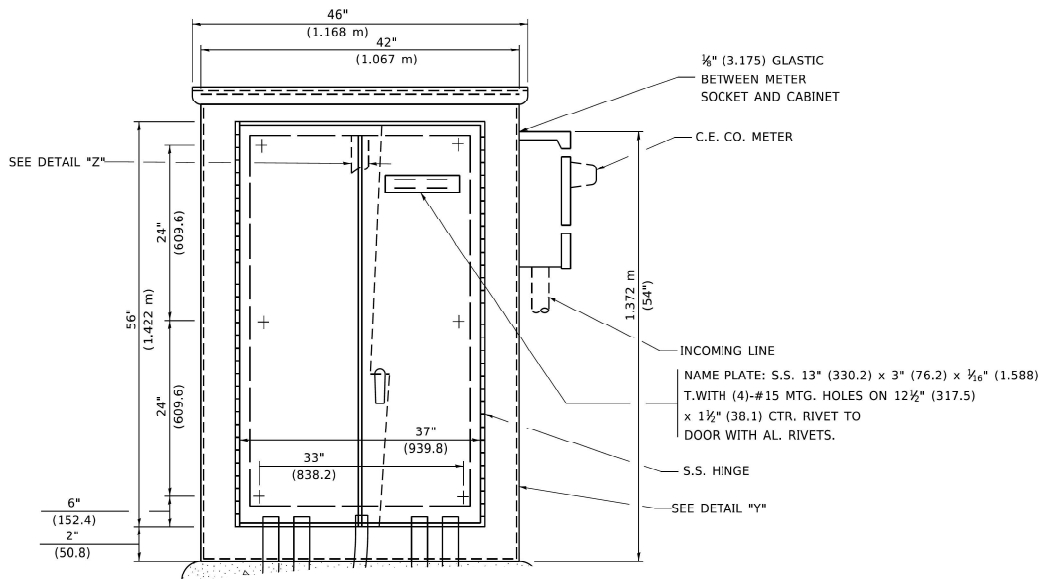
DETAIL "X"



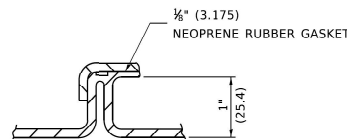
SECTION "A-A"



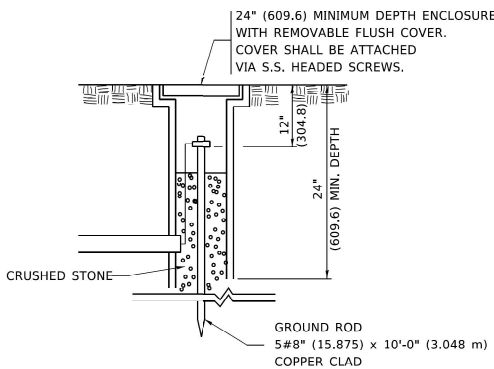
LEFT SIDE ELEVATION



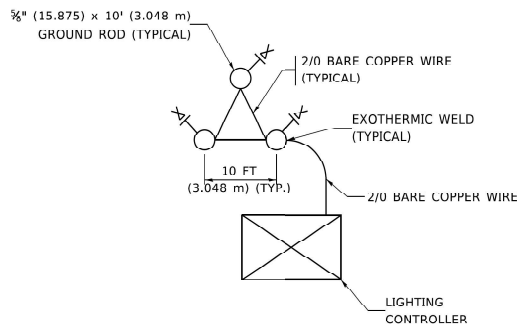
FRONT ELEVATION



DETAIL "Z"



GROUND WELL DETAIL



GROUND FIELD DETAIL
(N.T.S.)

THE CONTRACTOR SHALL
VERIFY EXACT LOCATION
WITH THE ENGINEER

REFER TO SHEET LT-05 FOR WOOD
SUPPORT PLATFORM DETAILS

MODEL: Default FILE NAME: p:\projects\transp\cwr\delisted\Documents\projects_2018\CH4011401180022\03-41\SP\CAD\62R23-401-1\Sheet\Lighting\03-41\Lighting-02.dgn 1/20/2019 2:02:14 PM User: Bcdm	USER NAME = footemj		DESIGNED -	REVISED - R. TOMSONS 03-29-12	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING CONTROLLER, BASE MOUNTED 480 VOLT, 200 AMP. (DUAL)		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 30,0000' / in.		DRAWN - CADD	REVISED -		SCALE: NONE		E-200 (BE-200)		CONTRACT NO.		
	PLOT DATE = 4/19/2019		CHECKED -	REVISED -		SHEET 3 OF 4 SHEETS		ILLINOIS		FED. AID PROJECT		
			DATE - 12-18-02	REVISED -		TO STA.						

USER NAME = vgruskas	DESIGNED - VG	REVISED -
PLOT SCALE = 0.167' / in.	DRAWN - VN/MAG	REVISED -
PLOT DATE = 11/5/2025	CHECKED - MG	REVISED -
	DATE - 11/07/2025	REVISED -

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	532
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

NOTES:

1.

CABINET SHALL BE FABRICATED FROM 0.125-INCH (3.175) SHEET ALUMINUM #3003H14, FORMED AND ARC WELDED ASSEMBLY.
2.

ALL SCREWS AND HARDWARE SHALL BE PLATED, GALVANIZED, OR MADE OF BRASS, ALUMINUM OR STAINLESS STEEL.
3.

NAME PLATE SHALL HAVE ENGRAVED 0.75-INCH (19.05) HIGH LETTERS FILLED IN BLACK: "STATE OF ILLINOIS LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.
4.

ONE INCH THICK POLYISOCYANURATE INSULATION SHALL BE INSTALL AND PERMANENTLY CEMENTED ON ALL SIDES OF THE CABINET AND DOORS.
5.

CABINET SHALL BE PRIMED AND PAINTED AS SPECIFIED.
6.

ELECTRIC UTILITY METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET AS SHOWN ON THE PANEL LAYOUT DIAGRAM.
7.

THE COMPLETED CONTROLLER SHALL BE U.L. LISTED AS AN INDUSTRIAL CONTROL PANEL UNDER UL508.
8.

METAL MOUNTING PANEL SHALL BE #10 GAUGE GALVANIZED SHEET STEEL FLANGED BACK 0.75-INCHES I.D. ON 4 SIDES.
9.

CIRCUIT BREAKERS AND CONTACTORS AND OTHER COMPONENTS SHALL BE MOUNTED ON 0.125-INCH (3.175) THICK GLASTIC INSULATION BACK PANEL.
10.

ALL DEVICES SHALL BE FRONT REMOVABLE.
11.

TIME CLOCK CHANNEL 1 N.O. CONTACT IS CLOSED NIGHT AND OPEN DAY.
12.

SET "ON TIME" TO 30 MINUTES AFTER ASTRONOMICAL SUNSET.
13.

BUS BAR SHALL HAVE 22 LUG TERMINALS SIZED TO ACCOMMODATE REQUIRED WIRE SIZES. NEUTRAL BUS SHALL BE PAINTED WHITE. GROUND BUS SHALL BE PAINTED GREEN.
14.

ALL LUGS SHALL BE OF COPPER SCREWS AND CONNECTORS, SPRING HELD.
15.

ALL WIRING TERMINATIONS SHALL BE RATED NOT LESS THAN 75 DEGREE CENTIGRADE.
16.

ALL CONTROL WIRING SHALL BE 600V MACHINE TOOL WIRE TYPE MTW.
17.

ALL POWER WIRING SHALL BE 600V TYPE RHH/RHW.
18.

ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:

R - RED

B - BLACK

BL - BLUE

Y - YELLOW

W - WHITE

G - GREEN
19.

ALL DIMENSIONS ARE IN MILIMETERS (INCHES) UNLESS OTHERWISE INDICATED.
20.

SCHEMATIC SHOWN WITH BREAKER OPEN, CONTACTOR OPEN, CABINET DOOR CLOSED, CLOCK NOT ACTIVE.
21.

A LAMINATED COPY OF THE CIRCUIT SCHEMATIC AND SCADA I/O DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE CONTROLLER.

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		DRAWN - CADD	REVISED -
	PLOT SCALE = 30.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/19/2019	DATE - 12-18-02	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING CONTROLLER, BASE MOUNTED
480 VOLT, 200 AMP, (DUAL)

SCALE: NONE SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	533
CONTRACT NO. 62R23				

E-200

LT-30



USER NAME = vgurskas	DESIGNED - VG	REVISED -
	DRAWN - VN/MAG	REVISED -
PLOT SCALE = 0.167' / in.	CHECKED - MG	REVISED -
PLOT DATE = 11/5/2025	DATE - 11/07/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

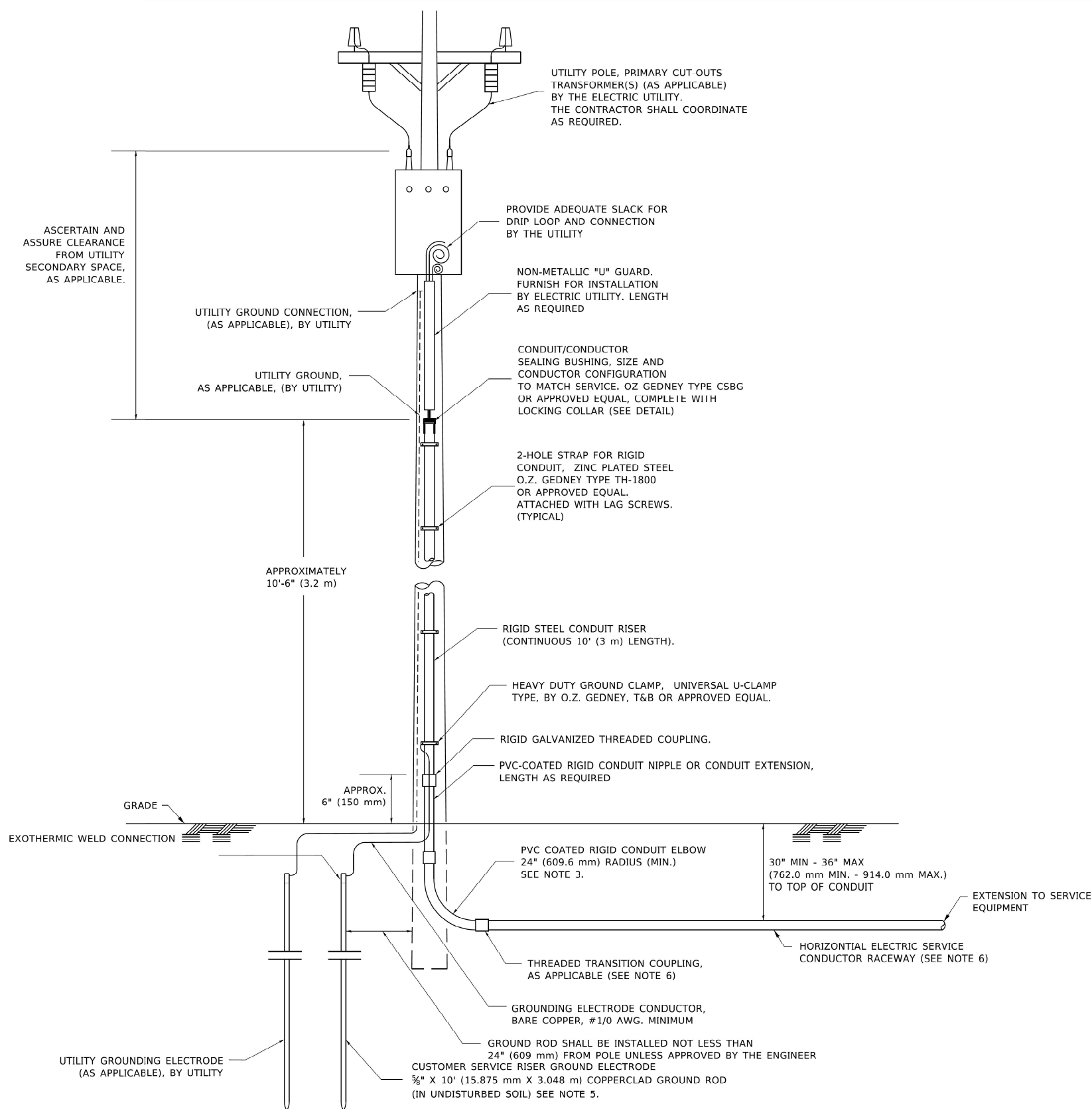
IDOT D1 – TEMPORARY CONTROLLER DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	533
CONTRACT NO. 62R23				

ILLINOIS FED. AID PROJECT

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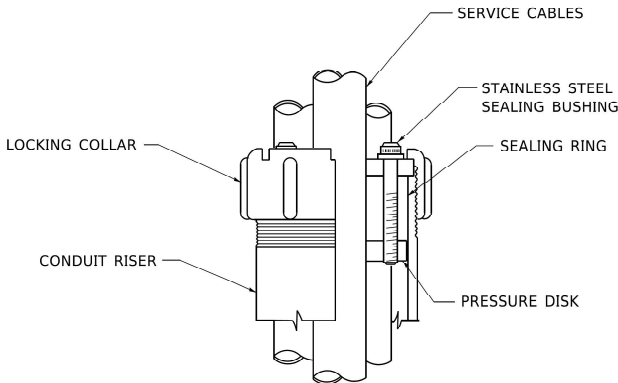


APPLICATION

THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

NOTES

- SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
- UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
- CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
- PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
- THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
- PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.

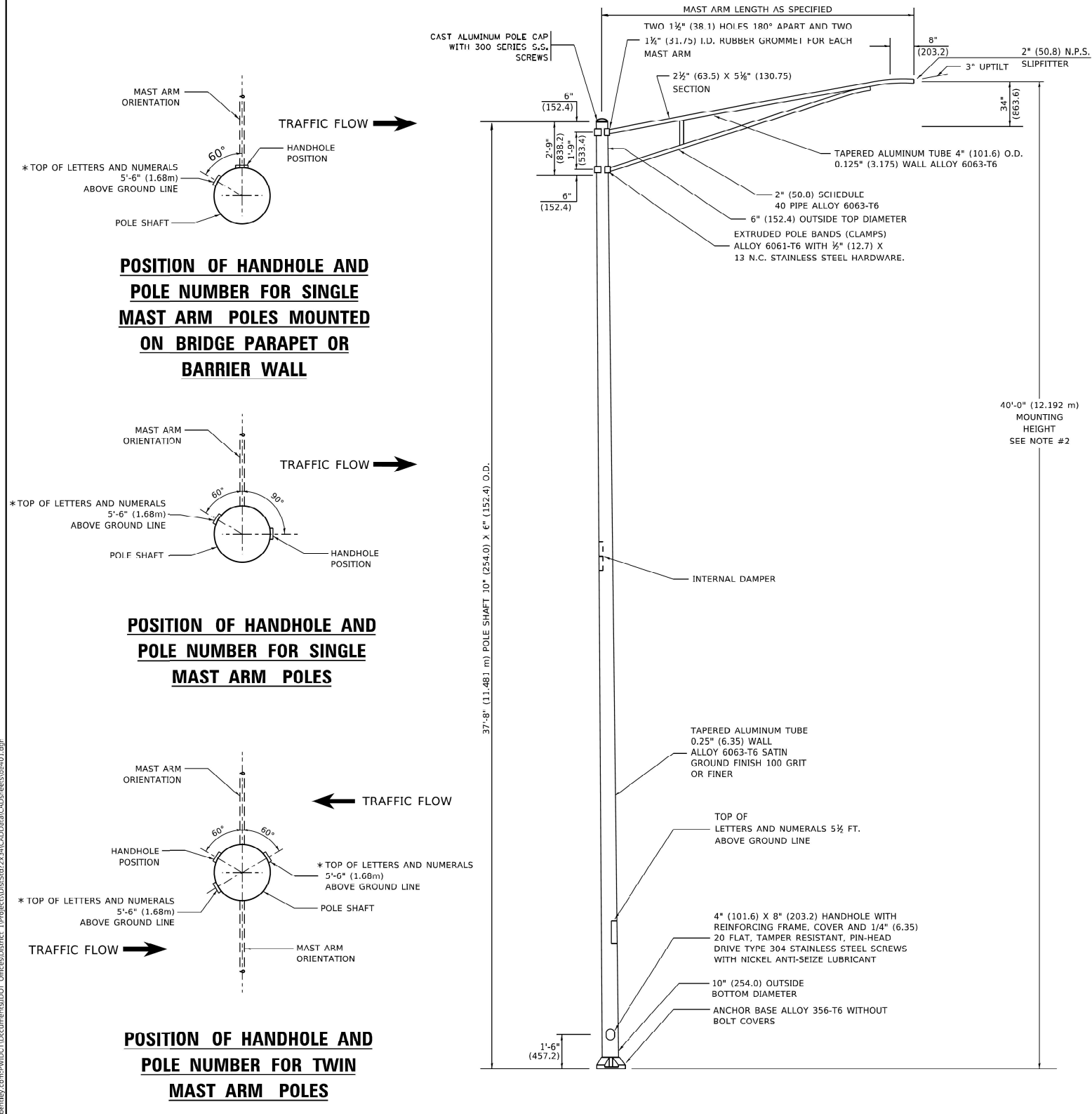


SEALING BUSHING DETAIL

MODEL: Default FILE NAME: DWG	USER NAME = footemj		DESIGNED -	REVISED - 03-03-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ELECTRIC SERVICE INSTALLATION AERIAL REMOTE DISCONNECT			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000' / in.		DRAWN -	REVISED -									
	PLOT DATE = 4/19/2019		CHECKED - MEA	REVISED -		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.			BE-220		CONTRACT NO.		
			DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

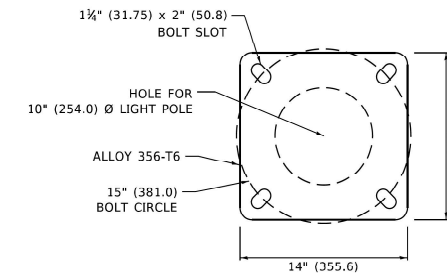
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PLOT SCALE = 0.167' / 1 in.		CHECKED - MG	REVISED -
PLOT DATE = 11/5/2025		DATE - 11/07/2025	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	534
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

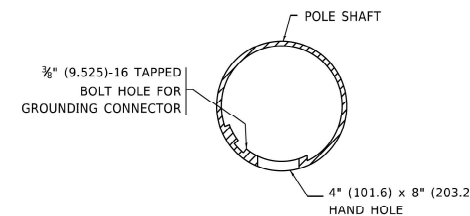


NOTES

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
3. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
4. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR. BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
5. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
6. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
7. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.



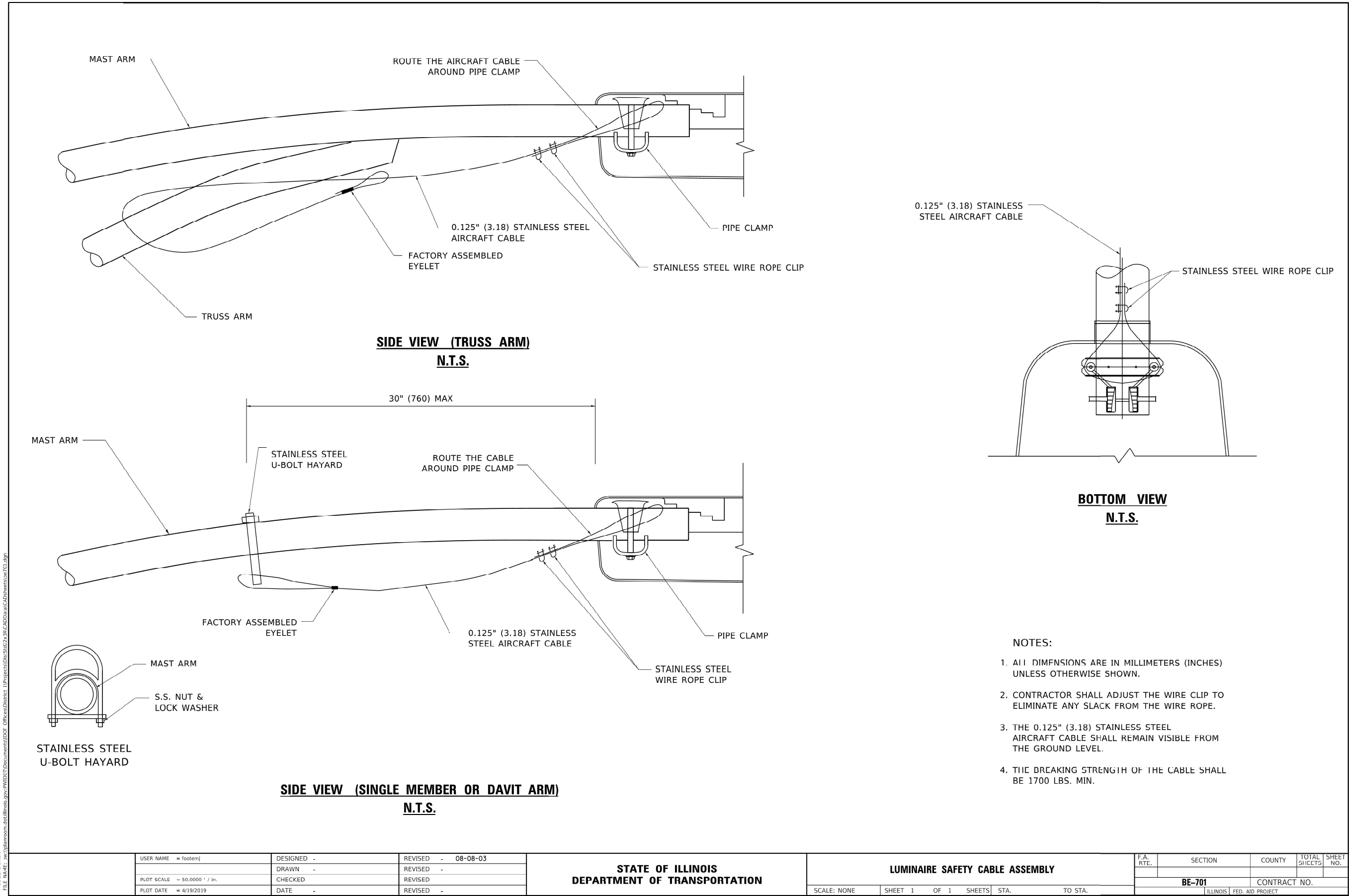
LIGHT POLE BASE PLATE DETAIL
15 INCH (381.0) BOLT CIRCLE

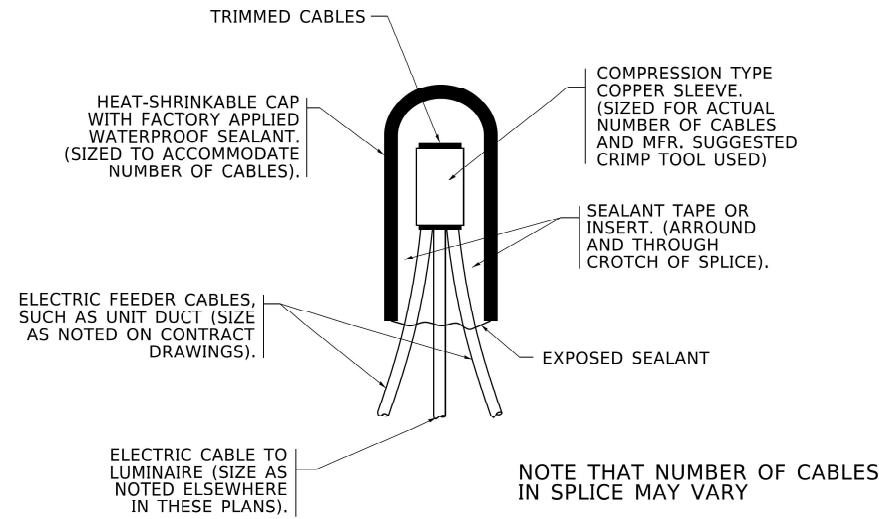


HANDHOLE DETAIL
(N.T.S.)

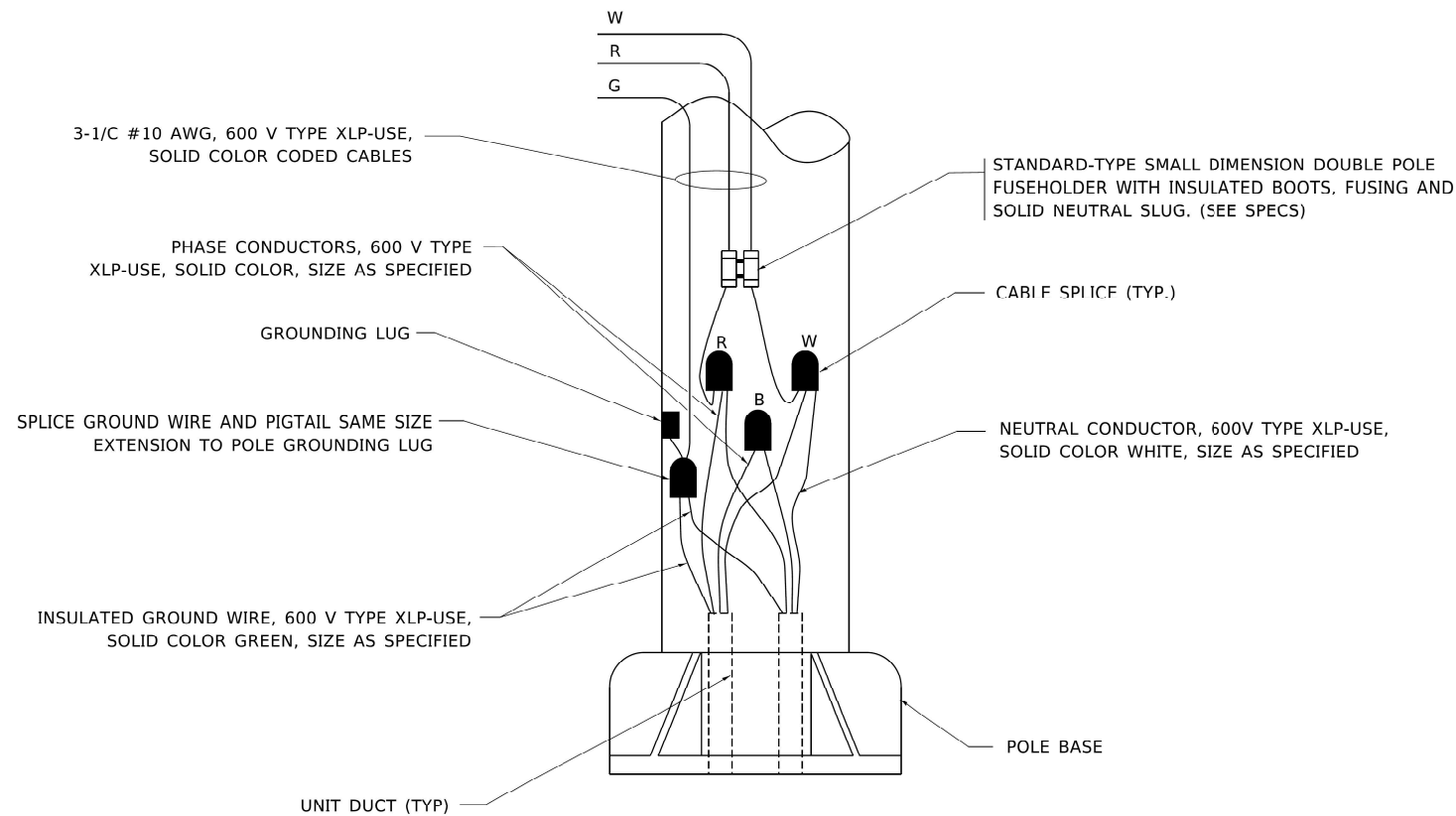
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LT-32

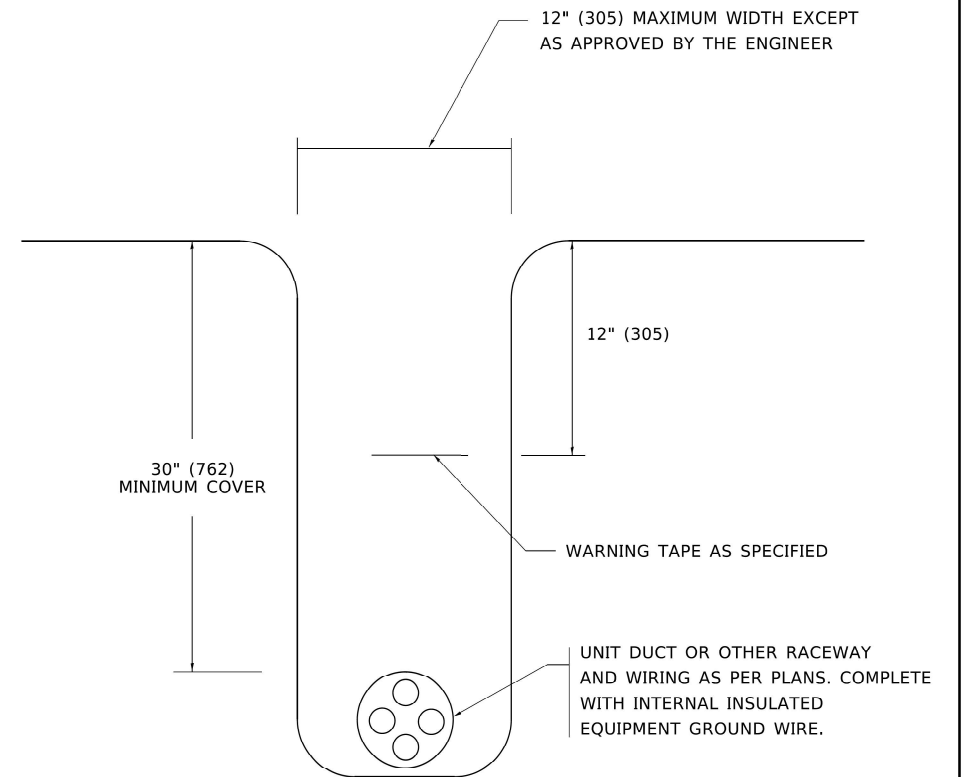




TYPICAL SPLICE DETAIL
N.T.S.



POLE WIRING DETAIL
N.T.S.



TYPICAL WIRING IN TRENCH DETAIL
N.T.S.

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SINGH
SINGH & ASSOCIATES INC.
CONSULTING ENGINEERS

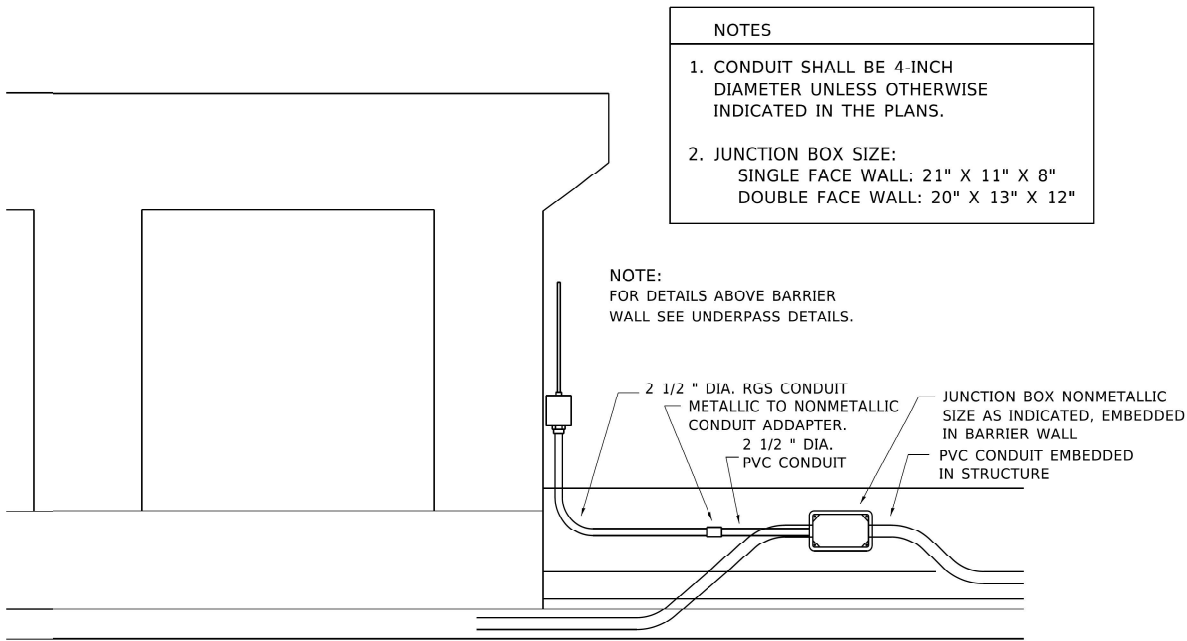
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PLOT SCALE = 0.167' / in.	CHECKED - MG	REVISED -
PLOT DATE = 11/5/2025	DATE - 11/07/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

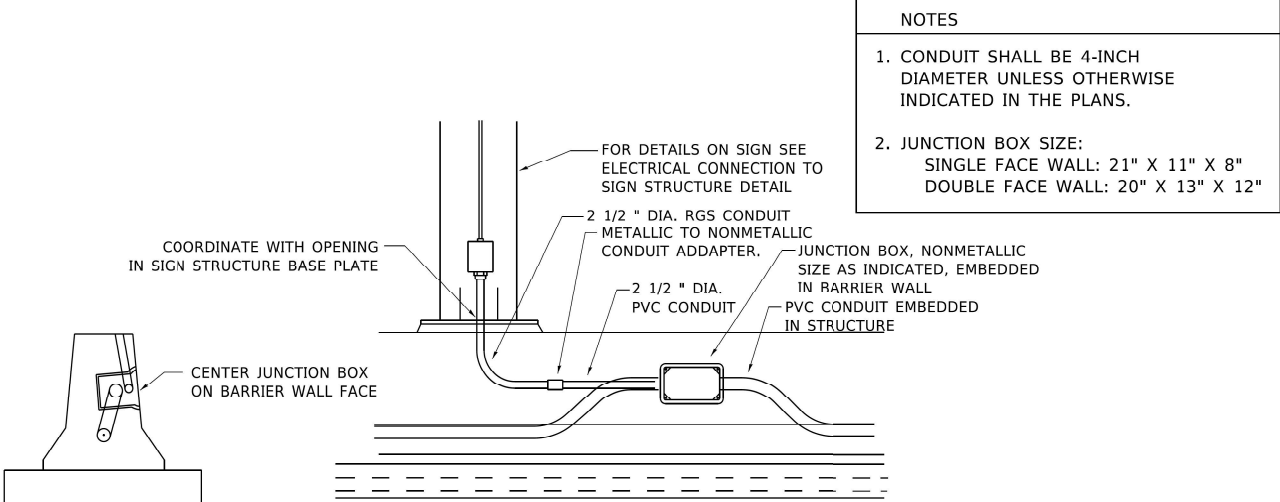
IDOT D1 – BUREAU OF ELECTRICAL DETAIL STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

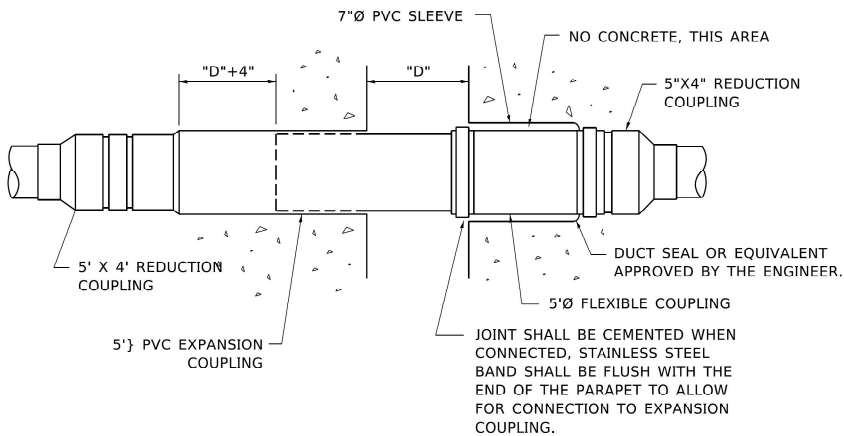
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	537
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



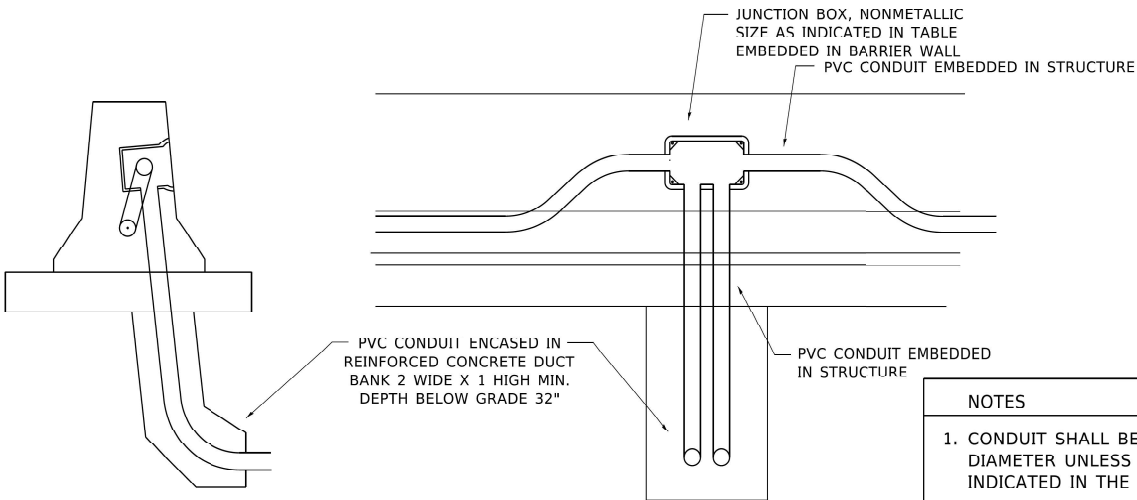
ED - BWD
ELECTRIC CONNECTION TO UNDERPASS LIGHTING



ED - SGN
JUNCTION BOX EMBEDDED IN BARRIER WALL FOR SIGN LIGHTING

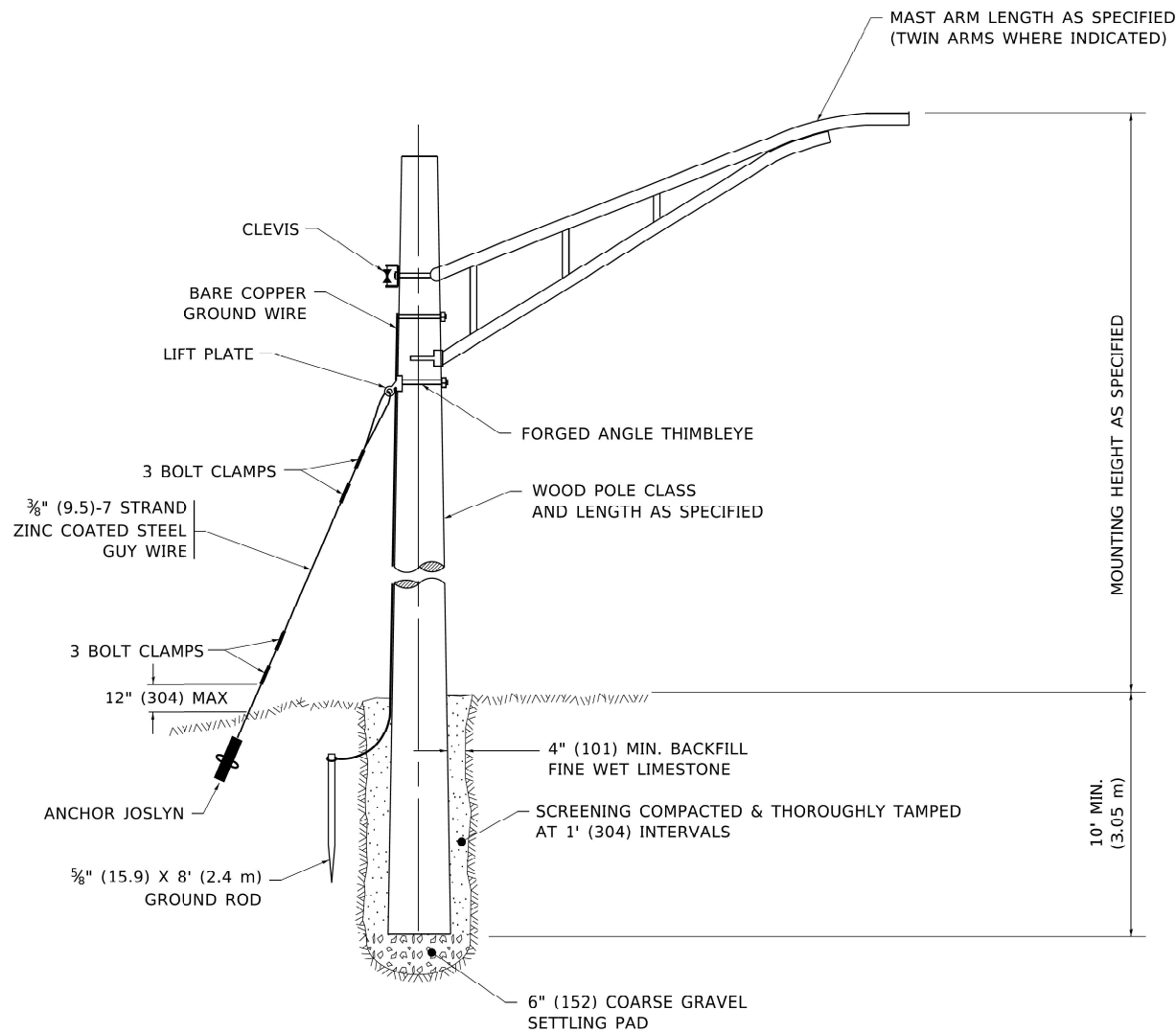


**INSTALLATION OF CONDUIT
IN BRIDGE PARAPET EXPANSION JOINT**
(N.T.S.)



ED - BW
JUNCTION BOX EMBEDDED IN BARRIER WALL

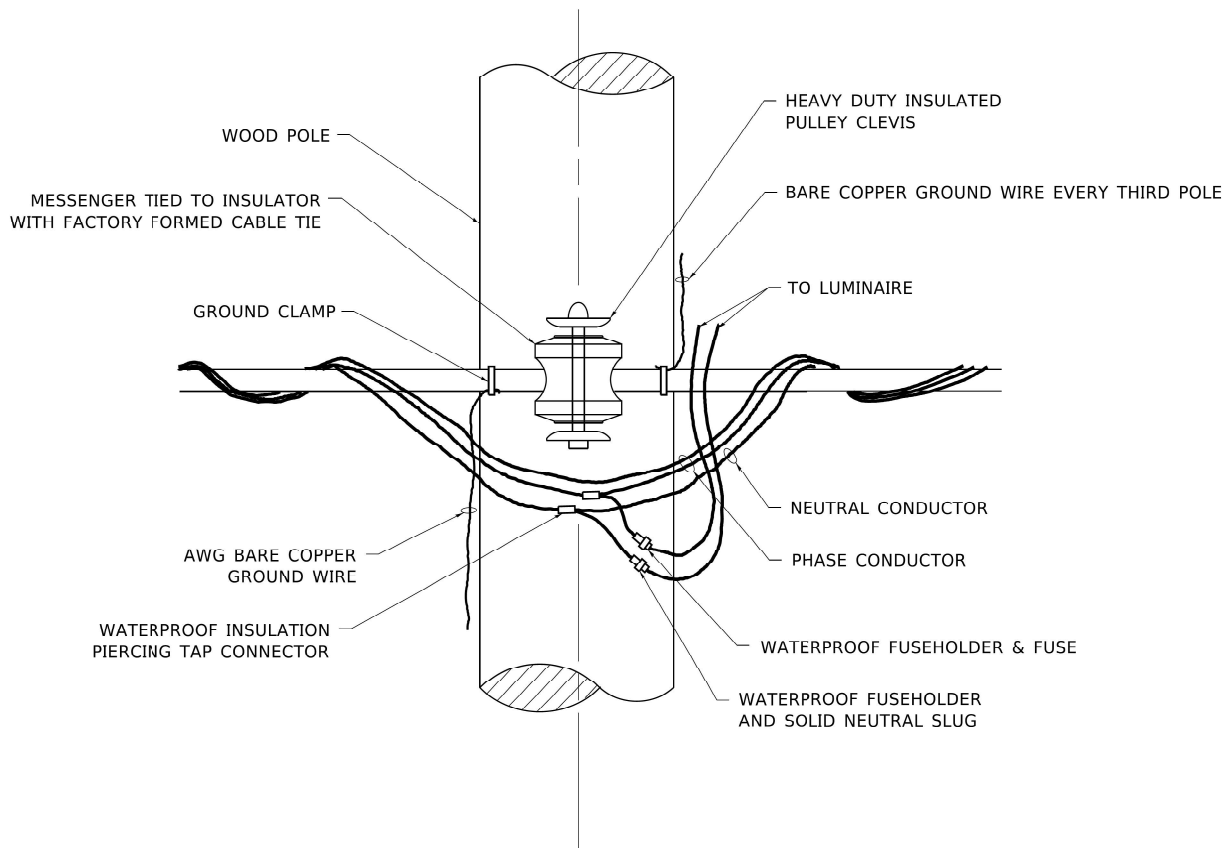
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				DATE -	01-20-2009		STA. TO STA.				ILLINOIS FED. AID PROJECT				



TEMPORARY LIGHT POLE DETAIL

NOTE:

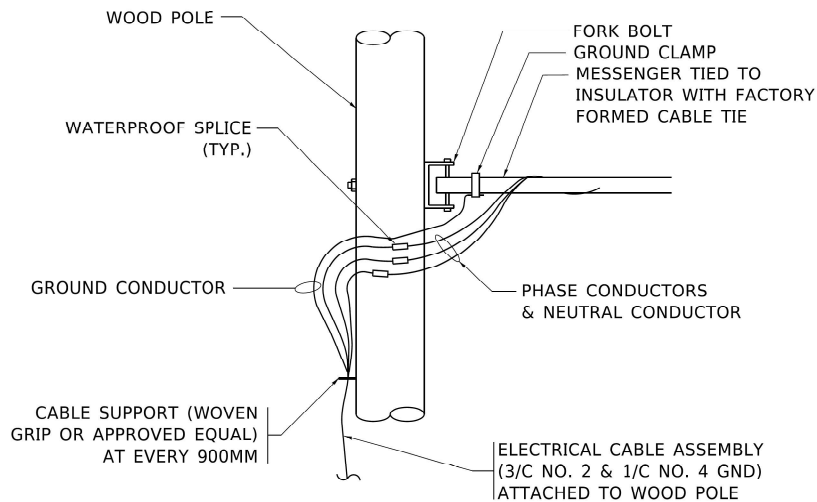
1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.



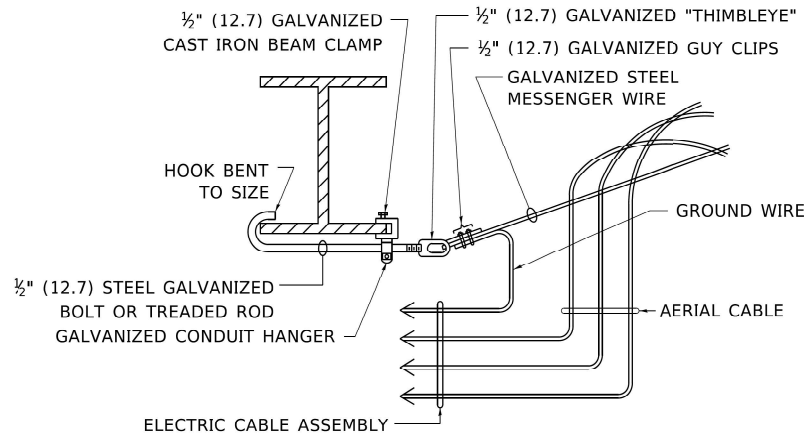
TEMPORARY LIGHT POLE ATTACHMENT DETAIL

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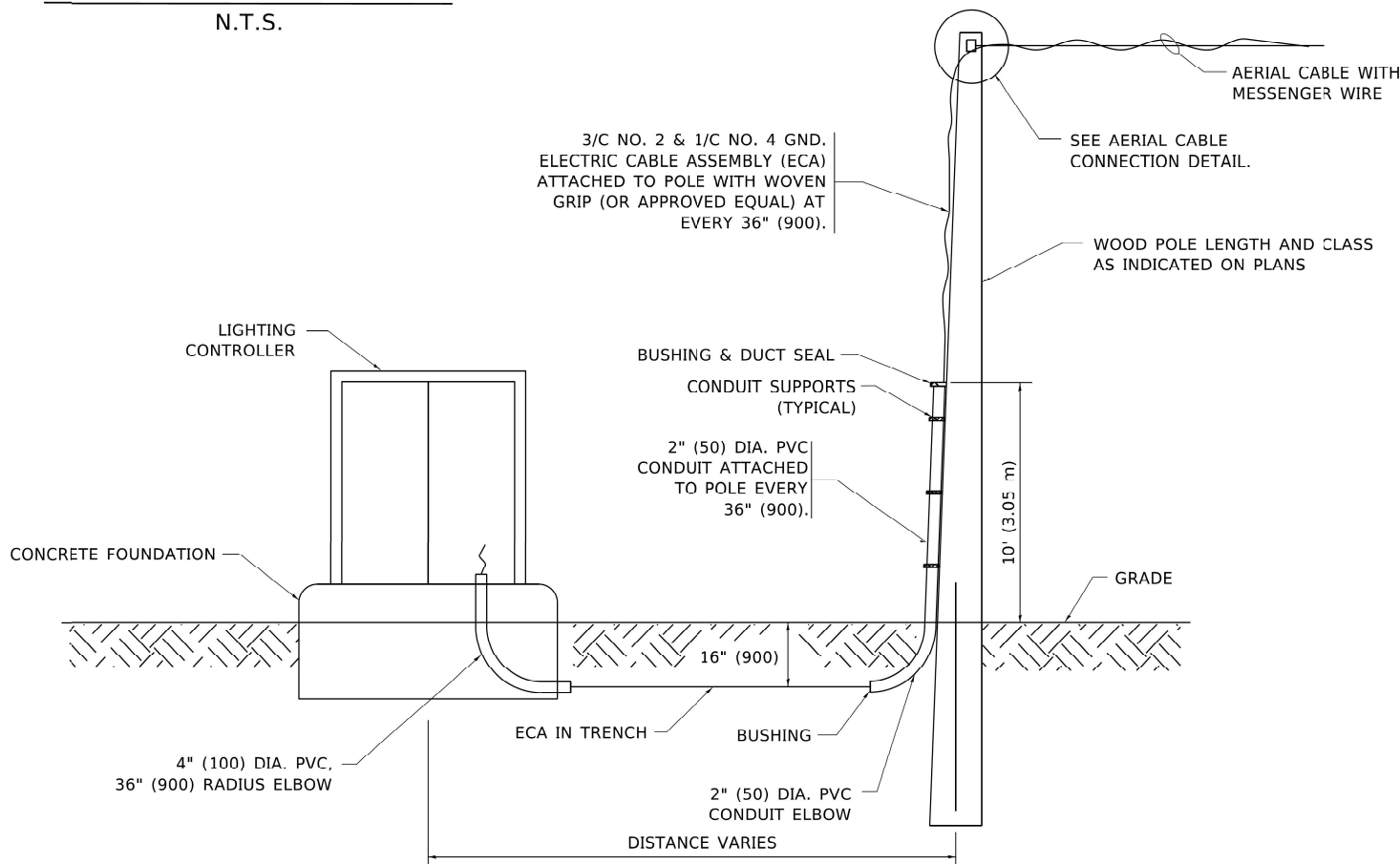
LT-36



AERIAL CABLE CONNECTION DETAIL
N.T.S.



**AERIAL CABLE
ATTACHED TO STRUCTURE**
NOT TO SCALE



**WOOD POLE TO LIGHTING CONTROLLER
WIRING CONNECTION DETAIL**
N.T.S.








NOTES:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. SEE PROPOSED LIGHTING PLAN FOR CONDUIT, CABLE AND ROUTING.
3. THE CONTRACTOR SHALL PROVIDE INTERMEDIATE SUPPORTS TO MAINTAIN MINIMUM CLEARANCES. REFER TO AERIAL AERIAL CABLE ATTACHED TO STRUCTURE DETAIL.
4. COST OF SPLICES AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.

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			DRAWN -	REVISED -										
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LT-37

SYMBOLS FOR PROPOSED WORK

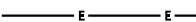

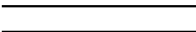
-  HEAVY DUTY HANDHOLE (ELECTRICAL)
-  COMMUNICATIONS VAULT (IDOT)
-  COMMUNICATIONS VAULT (THIRD PARTY)
-  JUNCTION BOX*
-  CAMERA MOUNTING ASSEMBLY
-  PROPOSED ELECTRIC SERVICE
-  ELEC UTILITY SERVICE PEDESTAL/PANEL WITH METER

*TYPE AND SIZE AS INDICATED ON PLANS

SYMBOLS FOR EXISTING CONDITIONS

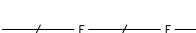
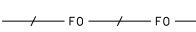
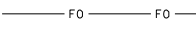
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-  COMMUNICATIONS VAULT (IDOT)
-  COMMUNICATIONS VAULT (THIRD PARTY)

LINESTYLES FOR PROPOSED WORK

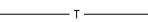
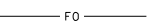
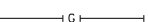
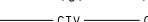
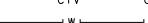
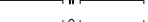
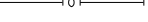
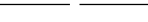
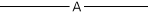
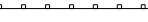
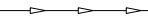
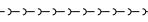

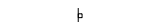







-  CONDUIT FOR ELECTRICAL CABLE
-ELECTRIC CABLE TO BE INSTALLED BY 62R23 OR BY OTHERS IN FUTURE CONTRACT AS INDICATED ON PLANS
-  MICRODUCT OR INNERDUCT
-FIBER OPTIC CABLE TO BE INSTALLED BY 62R23 OR BY OTHERS IN FUTURE CONTRACT AS INDICATED ON PLANS
-  CONDUIT SLEEVE*

*TYPE, SIZE AND CONDUCTORS AS INDICATED ON PLANS

LINESTYLES FOR EXISTING CONDITIONS

-  EXISTING UNDERGROUND ELECTRIC CABLE TO BE REMOVED
EXISTING UNDERGROUND CONDUIT TO BE ABANDONED
-  EXISTING UNDERGROUND FIBER OPTIC CABLE TO BE REMOVED
EXISTING UNDERGROUND MICRODUCT OR CONDUIT TO BE ABANDONED
-  EXISTING MICRODUCT FIBER OPTIC CABLE TO REMAIN OR BE REMOVED
AND REINSTALLED AS INDICATED ON PLANS

NON-ITS ELEMENTS LEGEND

-  EXISTING UNDERGROUND TELEPHONE
-  EXISTING FIBER OPTIC CABLE
-  EXISTING UNDERGROUND GAS
-  EXISTING UNDERGROUND CABLE TV
-  EXISTING UNDERGROUND WATER
-  EXISTING UNDERGROUND OIL
-  EXISTING ACCESS CONTROL AND ROW FENCE
-  EXISTING AERIAL LINE
-  EXISTING GUARDRAIL
-  EXISTING STORM SEWER
-  EXISTING SANITARY SEWER
-  EXISTING LIGHTING
-  EXISTING SIGNAGE
-  PROPOSED ACCESS CONTROL AND ROW FENCE
-  PROPOSED GUARDRAIL
-  PROPOSED STORM SEWER
-  PROPOSED UNDERDRAIN
-  PROPOSED DRAINAGE
-  PROPOSED DRAINAGE FLOW
-  PROPOSED LIGHTING
-  PROPOSED SIGNAGE

ABBREVIATIONS

A	ABANDON
ATS	ATTACHED TO STRUCTURE
CNC	COILABLE NONMETALLIC CONDUIT
COMM	COMMUNICATIONS
(E)	EXISTING TO REMAIN
F	FIBER
FOC	FIBER OPTIC CABLE
FRE	FIBERGLASS REINFORCED EPOXY (CONDUIT)
FT	FEET
GSC	GALVANIZED STEEL CONDUIT
HDHH	HEAVY-DUTY HANDHOLE
(I)	INSTALL
JB	JUNCTION BOX
NTS	NOT TO SCALE
OFF	OFFSET
SM	SINGLE MODE

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ITS GENERAL NOTES

1. AFTER THE INITIAL LOCATE OF IDOT FACILITIES, THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN IN THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL BE AT THE CONTRACTOR'S EXPENSE.
3. POTHOLING TO LOCATE EXISTING UNDERGROUND UTILITIES SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE UNDERGROUND CONDUIT/MICRODUCT/INNERDUCT PAY ITEMS.
4. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR THE CONDUIT/MICRODUCT/INNERDUCT PAY ITEMS.
5. THE CONTRACTOR SHALL VERIFY ADEQUATE CLEARANCE OVER/UNDER EXISTING AND PROPOSED FACILITIES BEFORE INSTALLING DUCTS OR CONDUIT. WHERE THE CONTRACTOR'S EXCAVATION MEETS AN OBSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR DIRECTION IN WRITING PRIOR TO EXCAVATION.
6. CONDUIT OR DUCT CROSSING OVER/UNDER OTHER UTILITIES OR DRAINAGE SHALL MAINTAIN A SEPERATION OF AT LEAST 18 INCHES OR AS SPECIFIED BY OWNING UTILITY.
7. CONDUITS AND DUCTS SHALL BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH ROADWAY UNDERDRAINS AND OTHER EXISTING AND PROPOSED UTILITIES.
8. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN MINIMUM DEPTH SPECIFIED TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES, DRAINAGE PIPES, AND STRUCTURES OR TO ENTER COMMUNICATIONS VAULTS OR HANDHOLES.
9. THE CONTRACTOR SHALL AVOID TRENCHING THROUGH WETLAND AREA, ROADSIDE DITCHES AND RETENTION PONDS.
10. IDOT MICRODUCT SHALL ONLY ENTER IDOT COMMUNICATIONS VAULTS.
11. THIRD PARTY MICRODUCT SHALL ONLY ENTER THIRD PARTY COMMUNICATIONS VAULTS.
12. ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS. EXCAVATED MATERIALS SHALL BE DISPOSED OF AT LOCATIONS DESIGNATED BY THE ENGINEER. ANY SUCH DISPOSAL SHALL BE COMPLETED IN SUCH A MANNER THAT PUBLIC OR PRIVATE PROPERTY WILL NOT BE DAMAGED OR ENDANGERED AND SHALL NOT CREATE AN UNSIGHTLY OR OBJECTIONABLE APPEARANCE OR DETRACT FORM THE NATURAL TOPOGRAPHIC FEATURES WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
13. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
14. ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
15. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.
16. ELECTRICAL HANDHOLE COVER LEGEND SHALL BE "IDOT ITS".
17. ITS SYMBOLS ARE OVERSIZED ON THE PLANS FOR CLARITY. CONTRACTOR SHALL USE STATIONS AND OFFSETS TO ACCURATELY LOCATE EQUIPMENT.

ITS BILL OF MATERIALS FOR IDOT & THIRD PARTY

ITEM	DESCRIPTION	UNIT	TOTAL QTY	IDOT QTY*	THIRD PARTY QTY*
80400100	ELECTRIC SERVICE INSTALLATION	EACH	2	-	-
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	-	-
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	380	-	-
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1,293	1008	285
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	33	-	-
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	528	-	-
81028790	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 4" DIA.	FOOT	909	-	-
81101001	CONDUIT ATTACHED TO STRUCTURE, RIGID NON-METALLIC, 2" DIA.	FOOT	857	-	-
81101002	CONDUIT ATTACHED TO STRUCTURE, RIGID NON-METALLIC, 4" DIA.	FOOT	8,644	6439	2205
81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	3	-	-
81300960	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 42" X 36" X 12"	EACH	2	-	-
81400200	HEAVY-DUTY HANDHOLE	EACH	9	-	-
81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	231	-	-
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1	-	-
87300901	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 12 1C	FOOT	170	-	-
87900205	DRILL EXISTING HEAVY DUTY HANDHOLE	EACH	2	-	-
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,800	-	-
89502380	REMOVE EXISTING HANDHOLE	EACH	4	-	-
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1	-	-
X0324597	CLOSED CIRCUIT TELEVISION CABINET	EACH	1	-	-
X8101102	UNDERGROUND CONDUIT, MULTI-DUCT, 7-18MM MICRODUCTS	FOOT	11,859	9351	2508
X8950425	REMOVE EXISTING TRAFFIC SURVEILLANCE EQUIPMENT	L SUM	1	-	-
X8950512	REMOVE AND REINSTALL FIBER OPTIC CABLE FROM CONDUIT	FOOT	7,312	-	-
Z0010688	CAMERA MOUNTING ASSEMBLY	EACH	3	-	-
Z0033052	COMMUNICATIONS VAULT	EACH	3	2	1

*THESE COLUMNS ARE NOT ADDITIONAL QUANTITY. THEY PROVIDE THE QUANTITY SPLIT BETWEEN IDOT AND THIRD PARTY FOR THE ITEMS LISTED.



ATLAS
ATLAS TECHNICAL CONSULTANTS, LLC
100 S. WACKER DRIVE, SUITE 400
CHICAGO, IL 60606

USER NAME	= dmeyer
PLOT SCALE	= 2,000' = 1 in.
PLOT DATE	= 11/5/2025

DESIGNED	-	DJM	REVISED	-
DRAWN	-	DJM	REVISED	-
CHECKED	-	REL	REVISED	-
DATE	-	11/7/2025	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS NOTES AND BILL OF MATERIALS

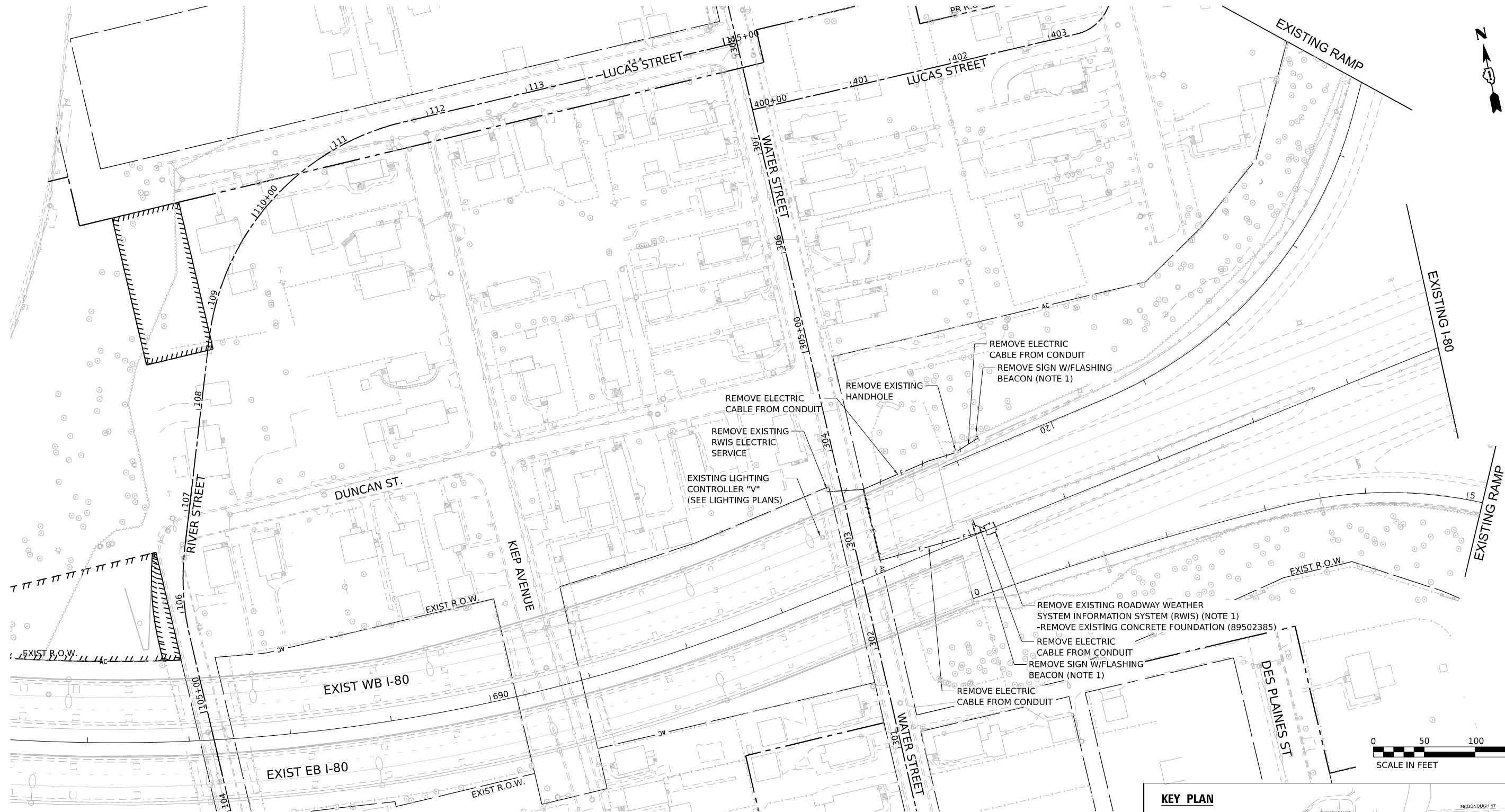
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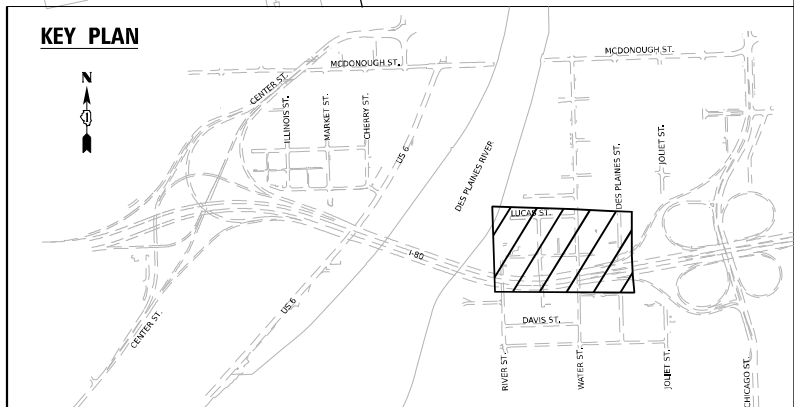
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CONTRACT NO. 62R23				
		ILLINOIS	FED. AID PROJECT	

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NOTES

1. REMOVAL OF EXISTING RWIS SITE AND SIGNS WITH FLASHING BEACONS TO BE INCLUDED IN THE COST OF REMOVE EXISTING TRAFFIC SURVEILLANCE EQUIPMENT.
2. EXISTING RWIS SITE TO REMAIN IN OPERATION AS LONG AS FEASIBLE UNTIL CONSTRUCTION ACTIVITIES INTERFERE WITH THE EXISTING SITE OR POWER FEED. A MINIMUM OF 4 WEEKS PRIOR TO REMOVAL OF THE EXISTING SITE, THE CONTRACTOR SHALL NOTIFY IDOT (KRISTY.BROD@ILLINOIS.GOV).



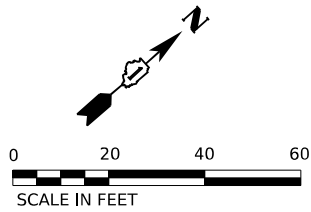
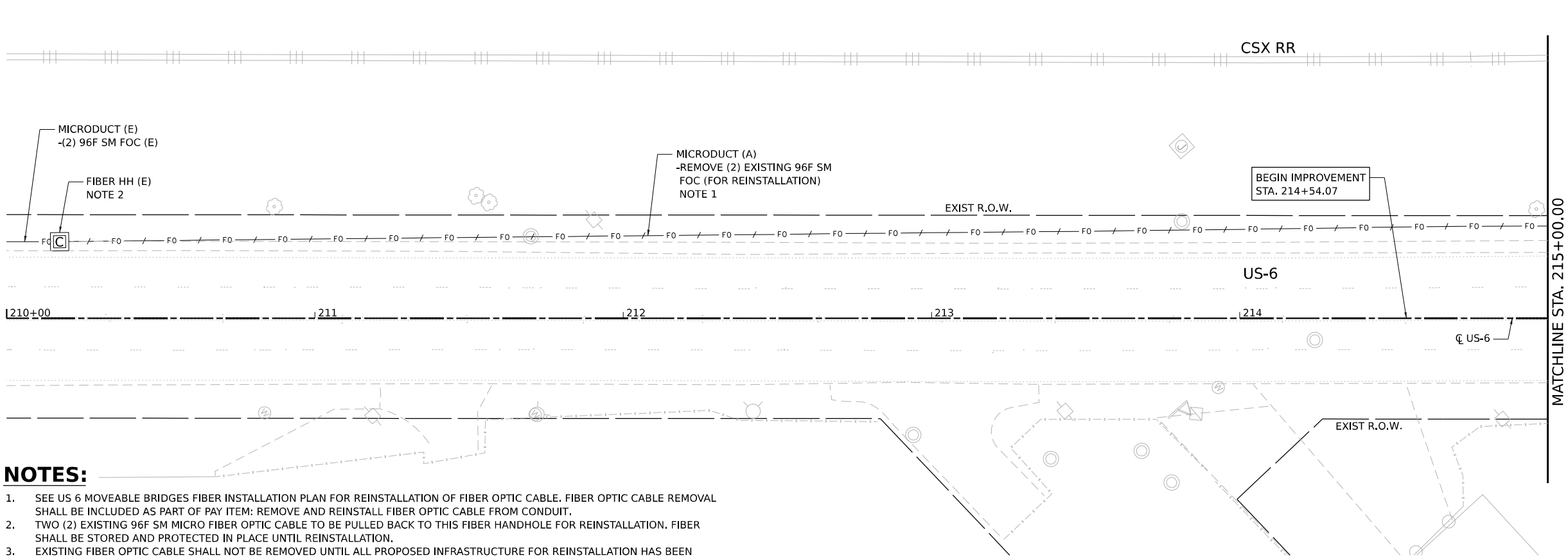
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS REMOVAL PLAN
I-80

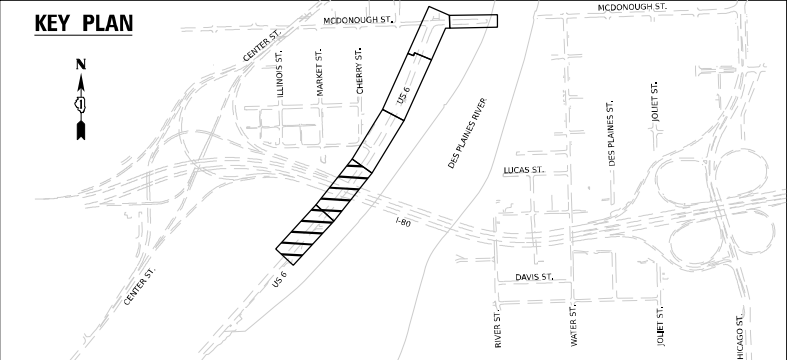
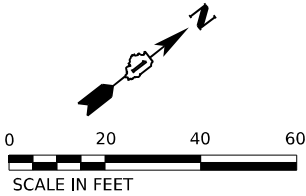
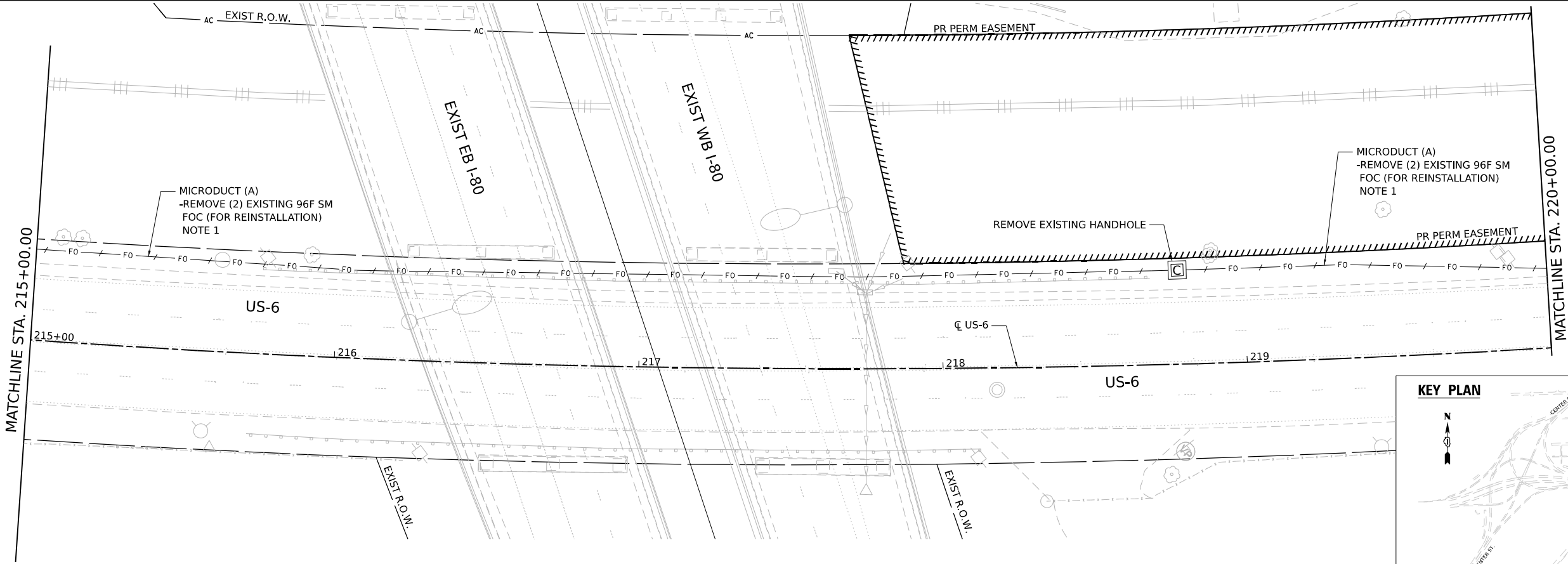
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	543
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



NOTES:

1. SEE US 6 MOVEABLE BRIDGES FIBER INSTALLATION PLAN FOR REINSTALLATION OF FIBER OPTIC CABLE. FIBER OPTIC CABLE REMOVAL SHALL BE INCLUDED AS PART OF PAY ITEM: REMOVE AND REINSTALL FIBER OPTIC CABLE FROM CONDUIT.
2. TWO (2) EXISTING 96F SM MICRO FIBER OPTIC CABLE TO BE PULLED BACK TO THIS FIBER HANDHOLE FOR REINSTALLATION. FIBER SHALL BE STORED AND PROTECTED IN PLACE UNTIL REINSTALLATION.
3. EXISTING FIBER OPTIC CABLE SHALL NOT BE REMOVED UNTIL ALL PROPOSED INFRASTRUCTURE FOR REINSTALLATION HAS BEEN INSTALLED AND ALL TESTING OF EXISTING FIBER IN PLACE HAS BEEN COMPLETED AND SUBMITTED TO THE ENGINEER.



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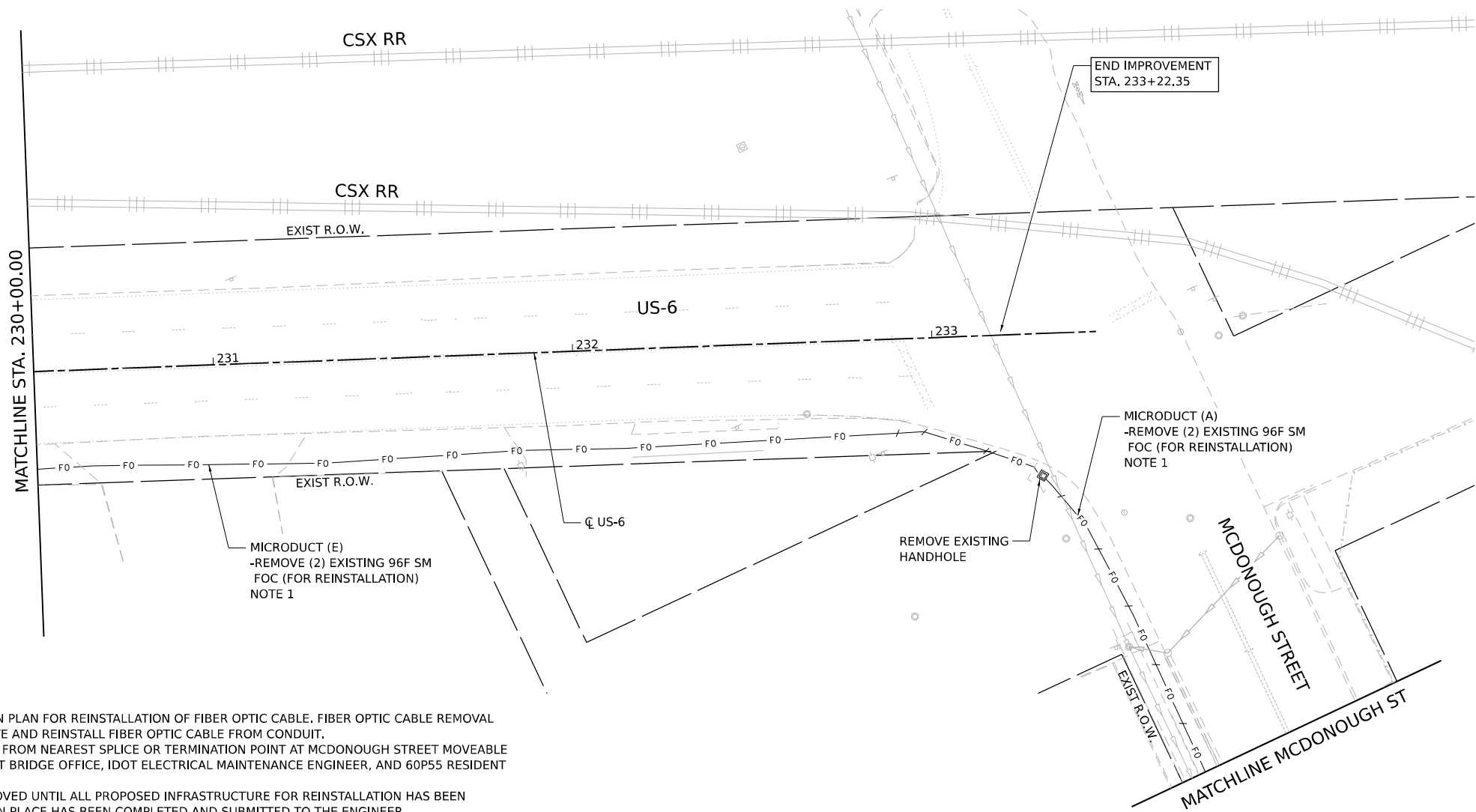
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PLOT DATE	= 11/5/2025	DATE	- 11/7/2025	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MOVEABLE BRIDGES FIBER REMOVAL PLAN			
US 6			
SCALE: 1"=20'	SHEET 4 OF 41 SHEETS	STA. 210+00 TO STA. 220+00	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	544
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

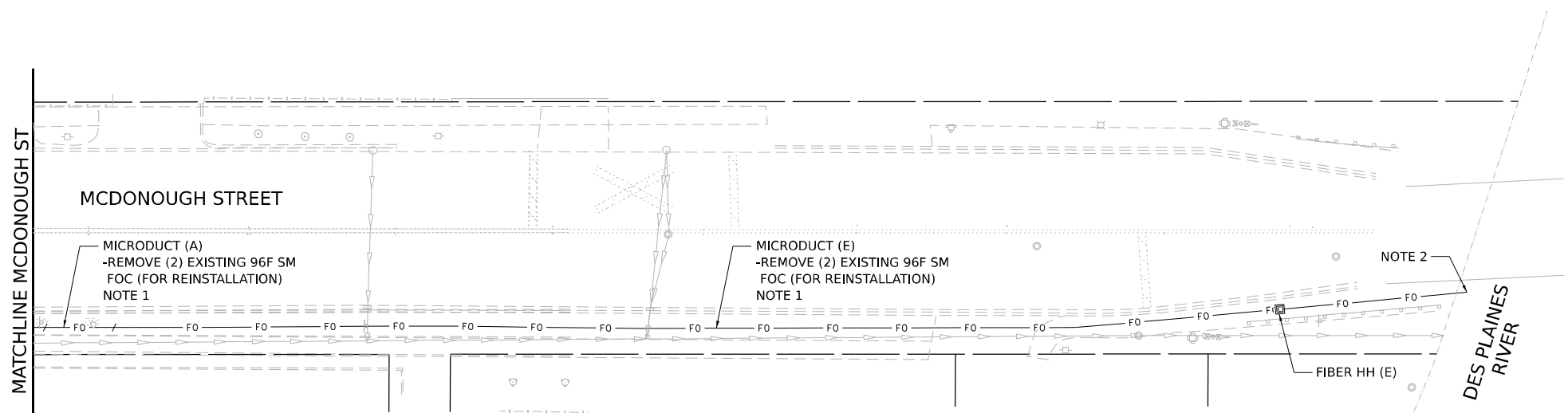
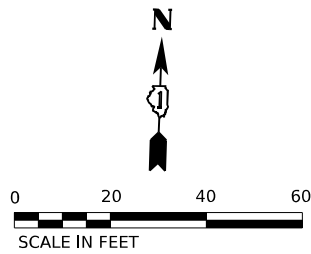
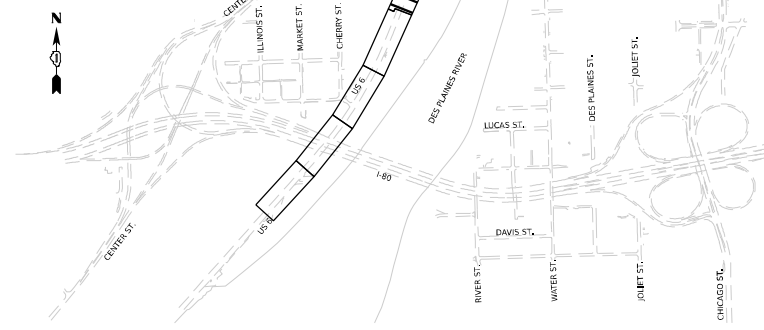
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NOTES:

1. SEE US 6 MOVEABLE BRIDGES FIBER INSTALLATION PLAN FOR REINSTALLATION OF FIBER OPTIC CABLE. FIBER OPTIC CABLE REMOVAL SHALL BE INCLUDED AS PART OF PAY ITEM: REMOVE AND REINSTALL FIBER OPTIC CABLE FROM CONDUIT.
2. EXISTING FIBER OPTIC CABLE SHALL BE REMOVED FROM NEAREST SPLICE OR TERMINATION POINT AT MCDONOUGH STREET MOVEABLE BRIDGE. CONTRACTOR TO COORDINATE WITH IDOT BRIDGE OFFICE, IDOT ELECTRICAL MAINTENANCE ENGINEER, AND 60P55 RESIDENT ENGINEER.
3. EXISTING FIBER OPTIC CABLE SHALL NOT BE REMOVED UNTIL ALL PROPOSED INFRASTRUCTURE FOR REINSTALLATION HAS BEEN INSTALLED AND ALL TESTING OF EXISTING FIBER IN PLACE HAS BEEN COMPLETED AND SUBMITTED TO THE ENGINEER.

KEY PLAN



USER NAME	= dmeier
DESIGNED	- DJM
DRAWN	- DJM
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CHECKED	- REL
DATE	- 11/7/2025
PLOT DATE	= 11/5/2025

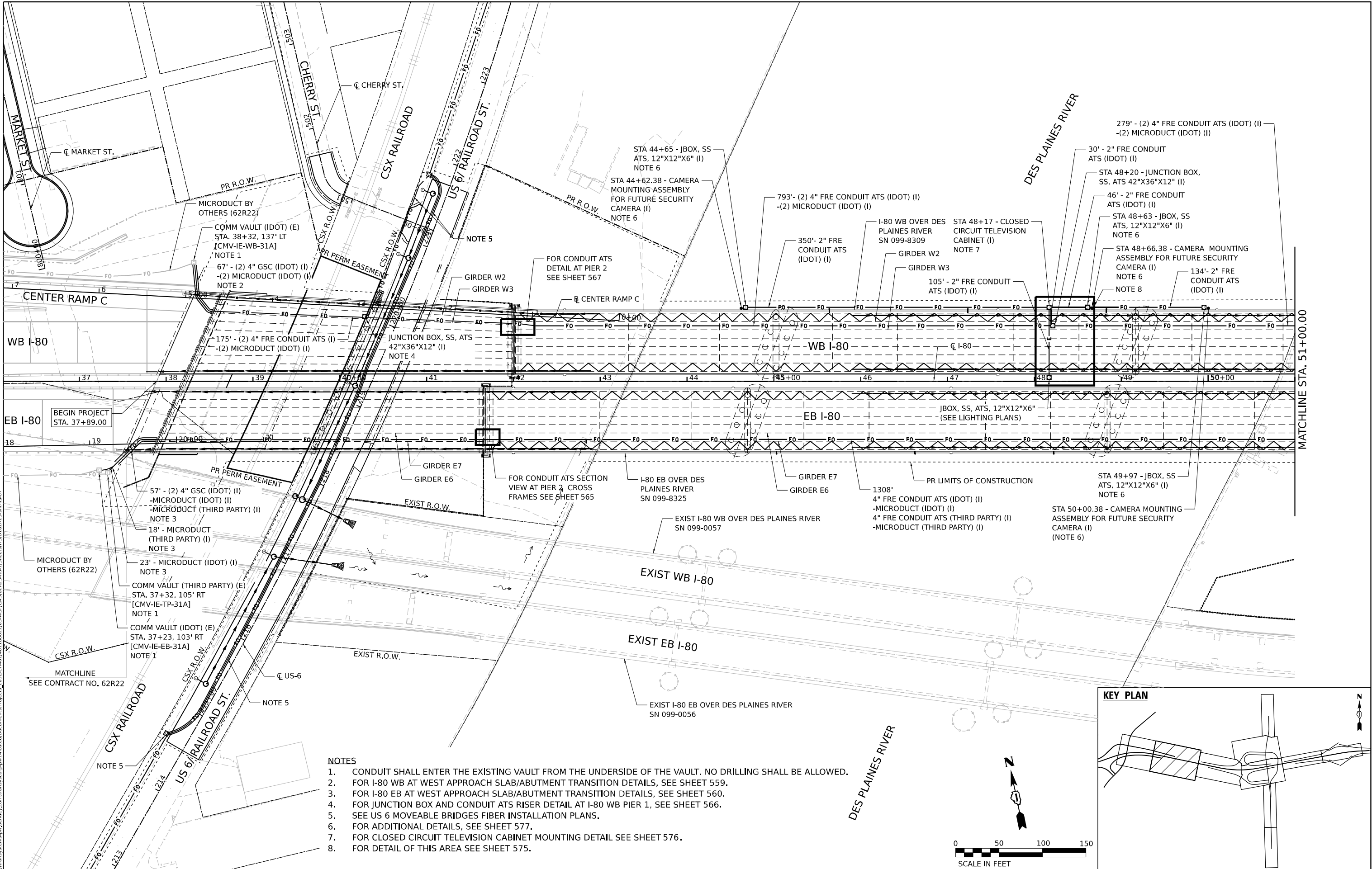
REVISED	-
REVISED	-
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MOVEABLE BRIDGES FIBER REMOVAL PLAN
US 6**

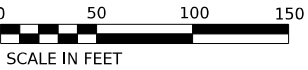
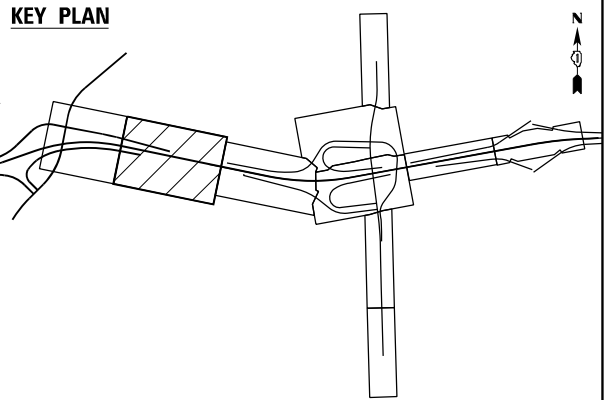
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	546
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



- NOTES**
1. CONDUIT SHALL ENTER THE EXISTING VAULT FROM THE UNDERSIDE OF THE VAULT. NO DRILLING SHALL BE ALLOWED.
 2. FOR I-80 WB AT WEST APPROACH SLAB/ABUTMENT TRANSITION DETAILS, SEE SHEET 559.
 3. FOR I-80 EB AT WEST APPROACH SLAB/ABUTMENT TRANSITION DETAILS, SEE SHEET 560.
 4. FOR JUNCTION BOX AND CONDUIT ATS RISER DETAIL AT I-80 WB PIER 1, SEE SHEET 566.
 5. SEE US 6 MOVEABLE BRIDGES FIBER INSTALLATION PLANS.
 6. FOR ADDITIONAL DETAILS, SEE SHEET 577.
 7. FOR CLOSED CIRCUIT TELEVISION CABINET MOUNTING DETAIL SEE SHEET 576.
 8. FOR DETAIL OF THIS AREA SEE SHEET 575.

KEY PLAN



ATLAS
ATLAS TECHNICAL CONSULTANTS, LLC
100 S. WACKER DRIVE, SUITE 400
CHICAGO, IL 60606

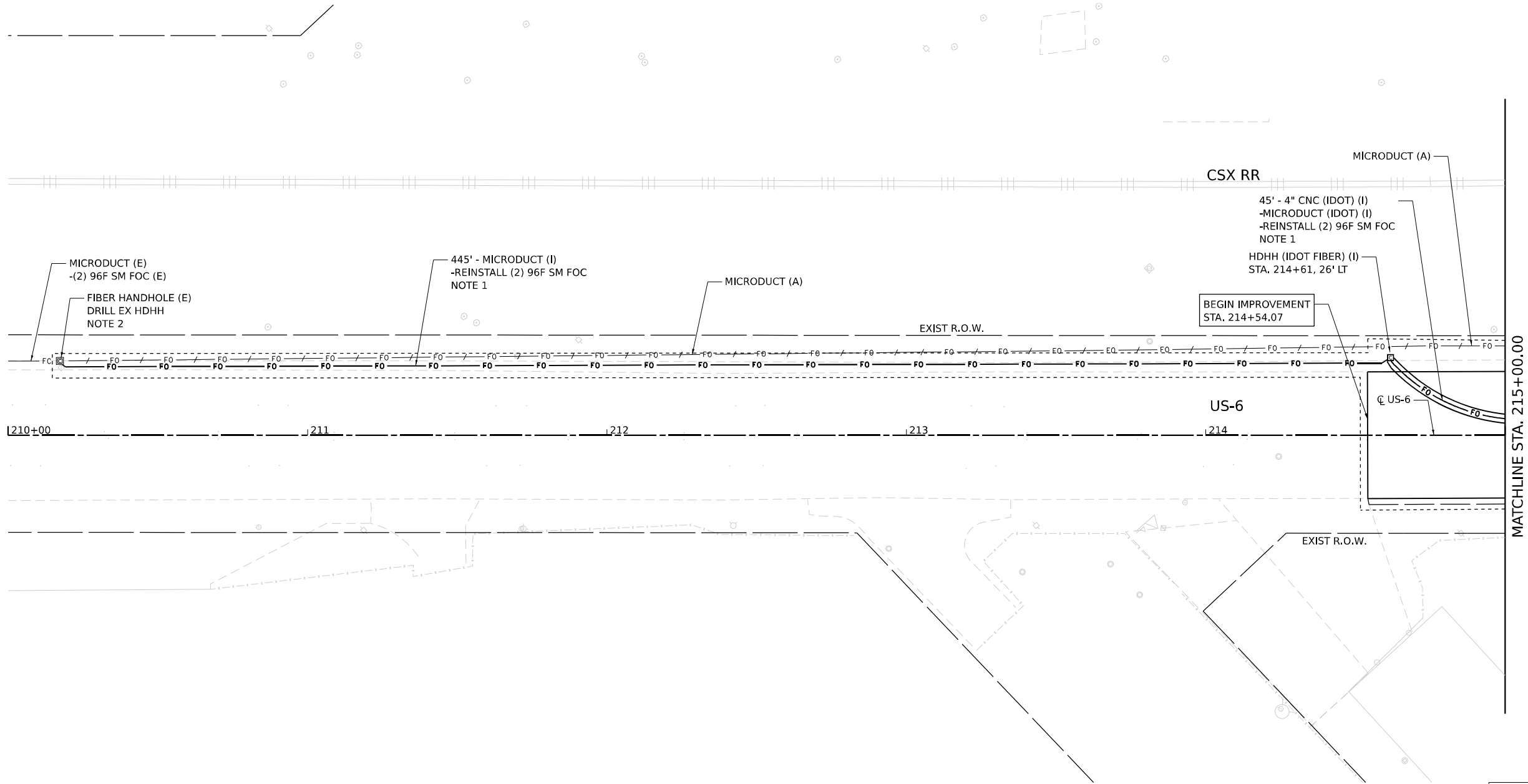
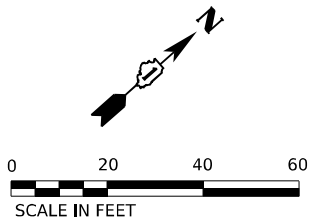
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

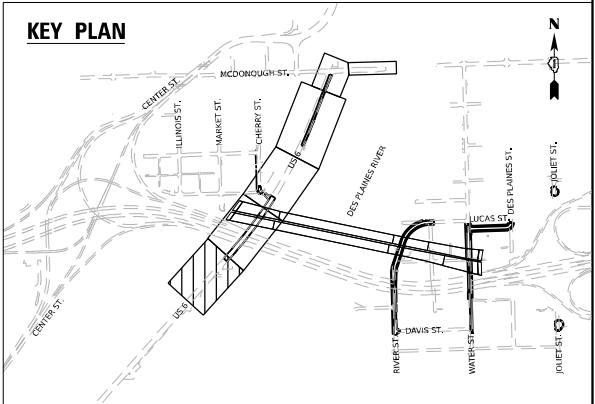
**ITS INFRASTRUCTURE PLAN
I-80**

SCALE: 1" = 50' SHEET 7 OF 41 SHEETS STA. 36+00 TO STA. 51+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	547
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



- NOTES:
1. REINSTALLATION OF FIBER OPTIC CABLE SHALL BE INCLUDED AS PART OF PAY ITEM: (REMOVE AND REINSTALL FIBER OPTIC CABLE FROM CONDUIT). SEE US-6 MOVEABLE BRIDGES FIBER REMOVAL PLAN FOR REMOVAL OF FIBER OPTIC CABLE.
 2. TWO (2) EXISTING 96F SM FIBER OPTIC CABLE REMOVED BACK TO THIS FIBER HANDHOLE SHALL BE STORED AND PROTECTED IN PLACE UNTIL REINSTALLATION.



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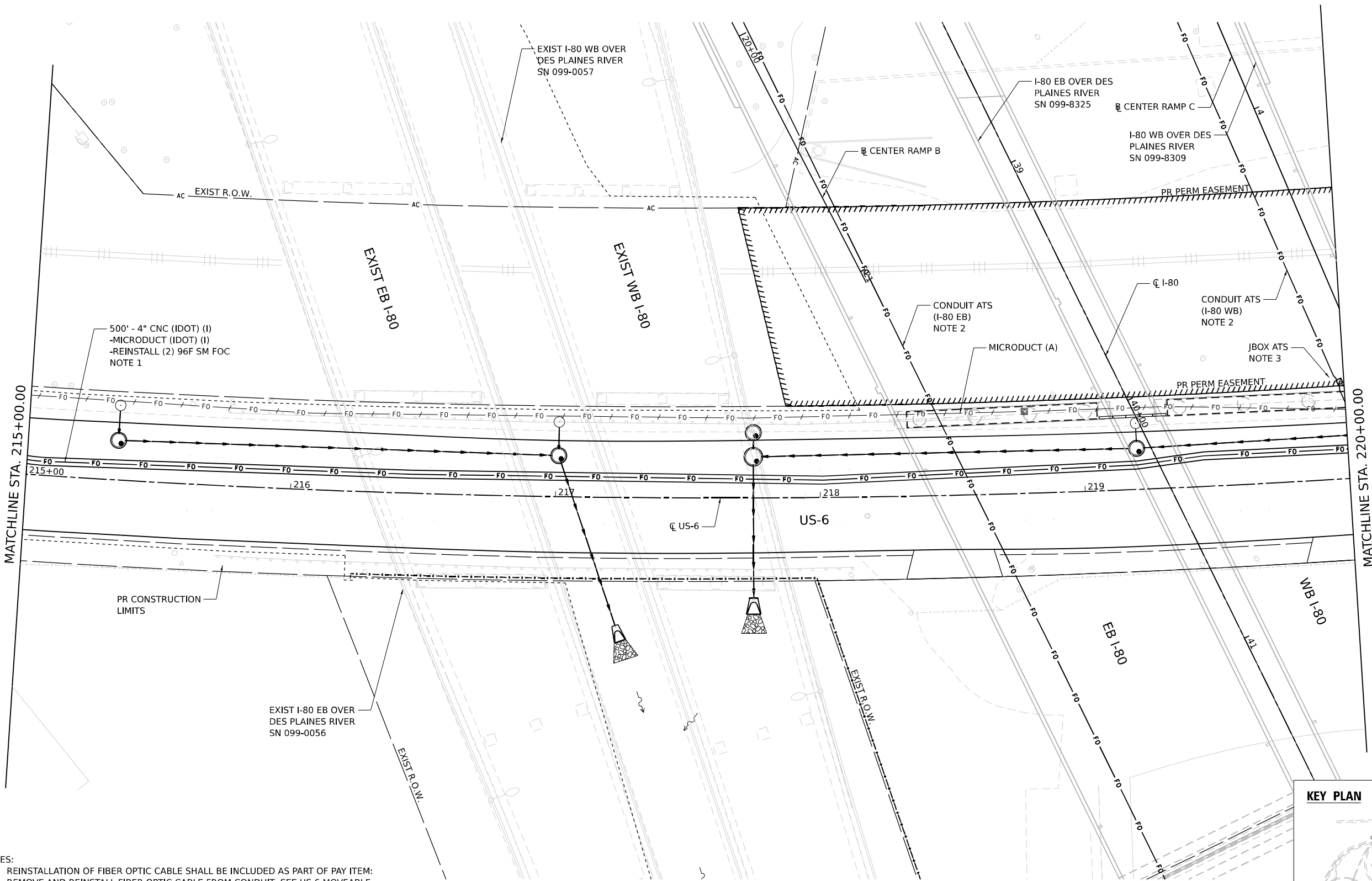


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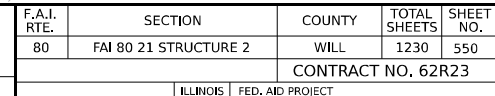
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MOVEABLE BRIDGES FIBER INSTALLATION PLAN			
US-6			
SCALE: 1"= 20'	SHEET 9	OF 41 SHEETS	STA. 210+00 TO STA. 215+00

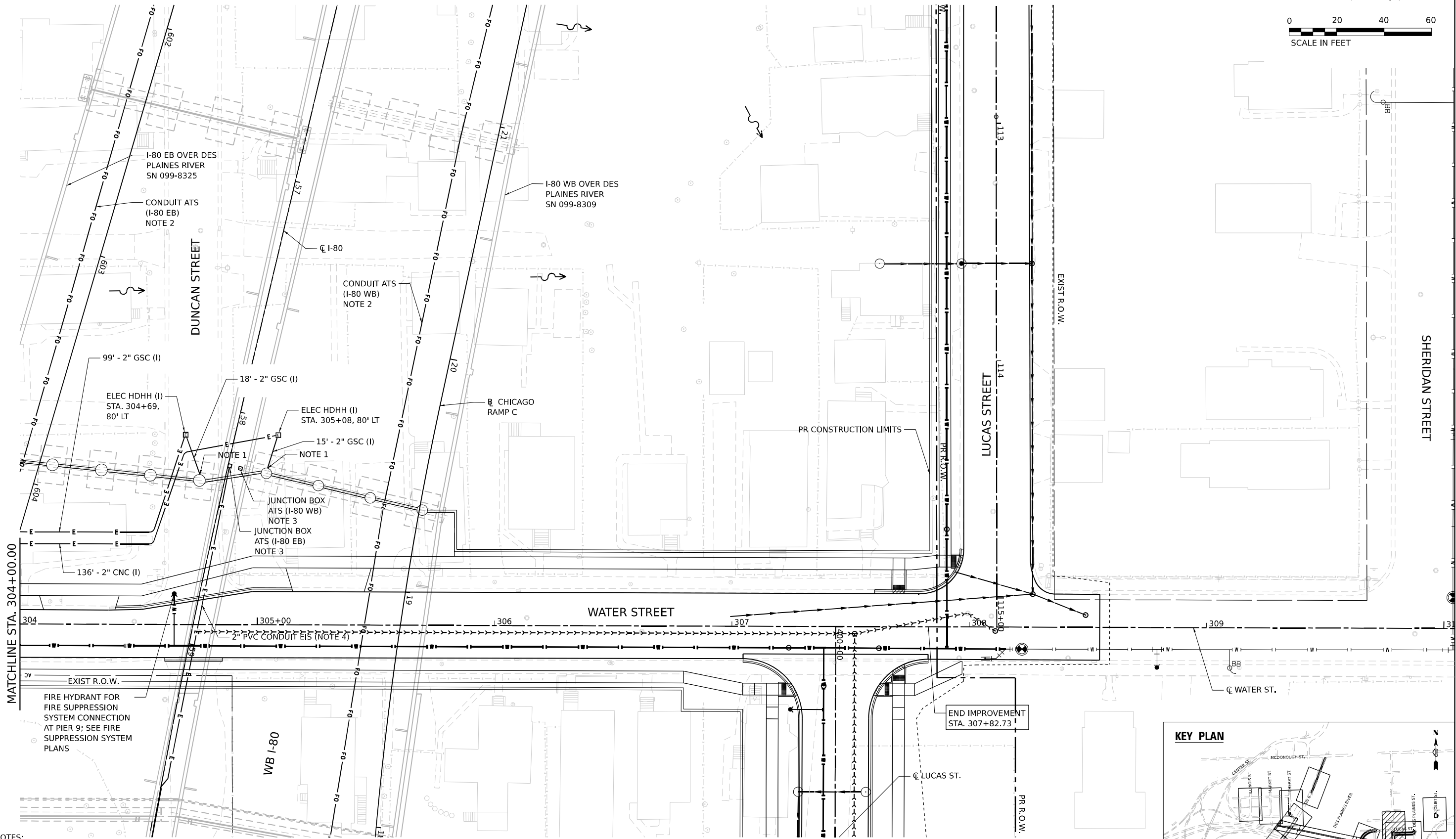
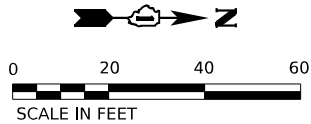
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CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



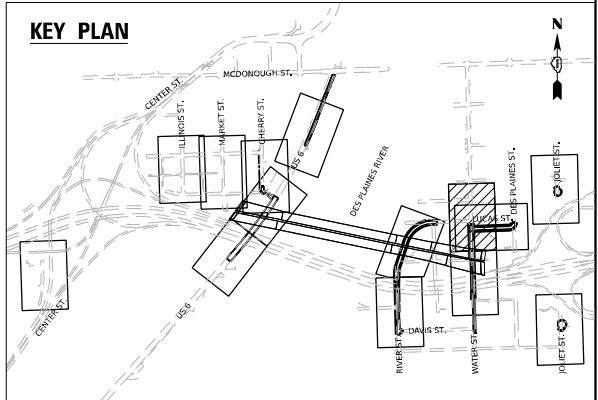
- ### KEY PLAN
-
- The key plan map shows the Des Plaines River flowing through the study area. The river is labeled 'DES PLAINES RIVER'. Several streets are shown, including 'CUTLER ST.', 'MCDONOUGH ST.', 'WILLIAMS ST.', 'MARKET ST.', 'CHERRY ST.', 'DUG', 'DOWNS ST.', 'LUCAS ST.', 'JOULET ST.', 'RIVER ST.', 'DOWNS ST.', 'WATER ST.', and 'DES PLAINES ST.'. The locations of the three study sites are marked with numbered circles: '1' is located near the intersection of Market St. and Cherry St.; '2' is located near the intersection of Market St. and Williams St.; and '3' is located near the intersection of Market St. and Cutler St. A north arrow is located in the top right corner of the map.







- NOTES:
1. TRANSITION GSC TO FRE CONDUIT ATTACHED TO STRUCTURE UP PIER 9. COORDINATE CONDUIT WITH FIRE SUPPRESSION SYSTEM CONNECTION AT PIER 9. FOR PIER RISER DETAILS, SEE SHEET 574
 2. SEE I-80 ITS INFRASTRUCTURE PLANS FOR I-80 CONDUIT ATTACHED TO STRUCTURE.
 3. JUNCTION BOX IS ASSOCIATED WITH SPARE 2" PVC CONDUIT EMBEDDED IN STRUCTURE AS SHOWN ON LIGHTING PLANS.
 4. REFER TO LIGHTING PLANS FOR 2" PVC CONDUIT EMBEDDED IN STRUCTURE.



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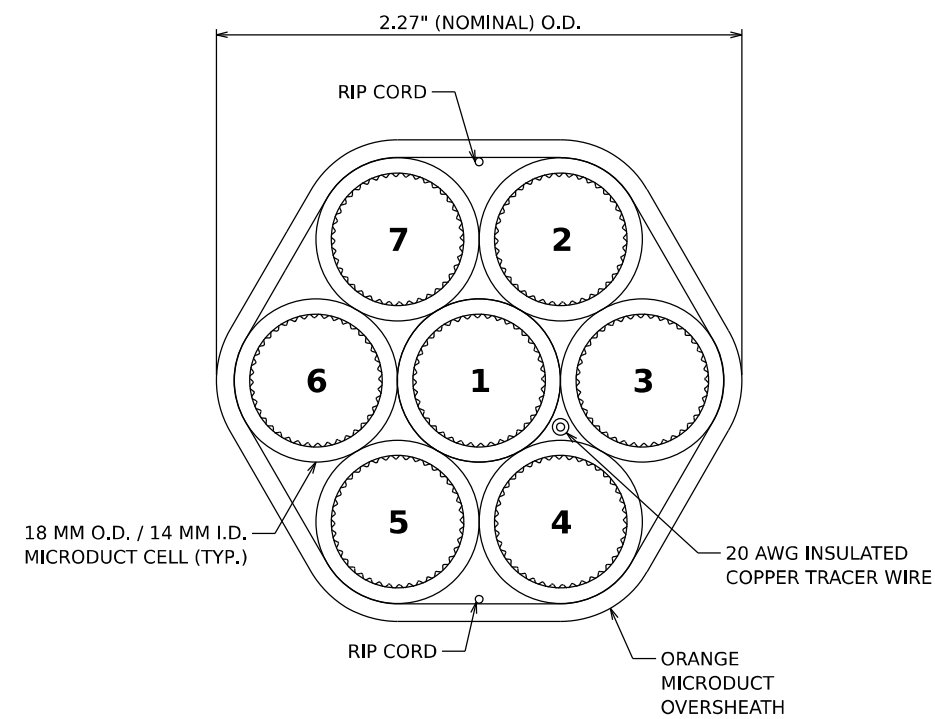
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REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS INFRASTRUCTURE PLAN
WATER STREET

SCALE: 1"=20' SHEET 15 OF 41 SHEETS STA. TO STA.

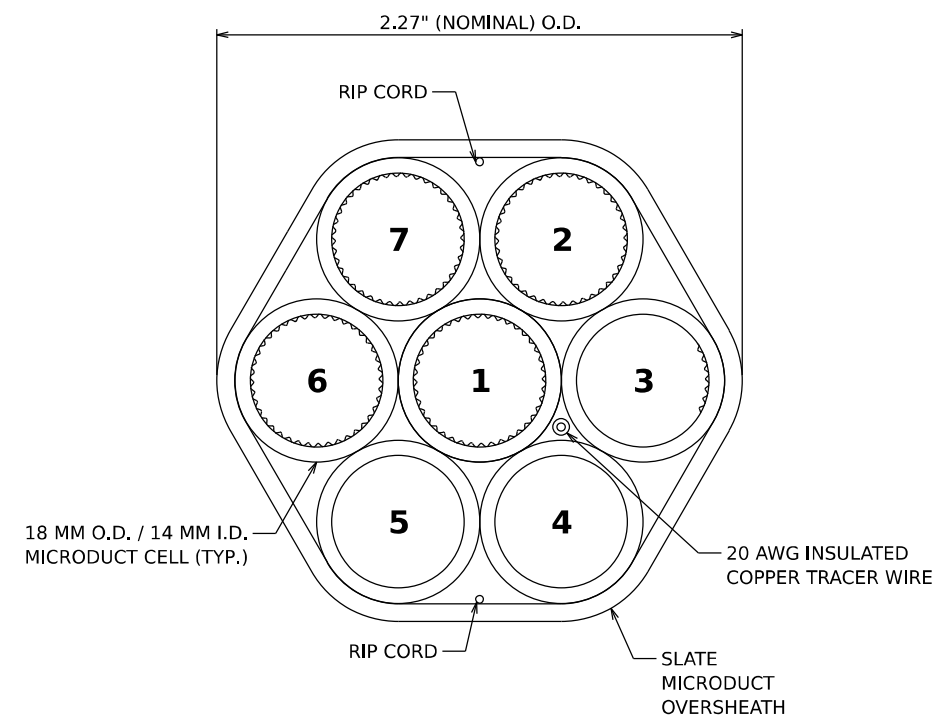
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80	FAI 80 21 STRUCTURE 2	WILL	1230	555
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



IDOT MICRODUCT DETAIL

CELL NO.	CELL COLOR	I-80 CELL ALLOCATION	US 6 CELL ALLOCATION
1	BLUE	FUTURE 144 IDOT (TCF)	96 IDOT (TCF)
2	ORANGE	FUTURE 144 IDOT (DCF)	96 IDOT (DCF)
3	GREEN	SPARE	SPARE
4	BROWN	SPARE	SPARE
5	GREY	SPARE	SPARE
6	WHITE	SPARE	SPARE
7	RED	SPARE	SPARE

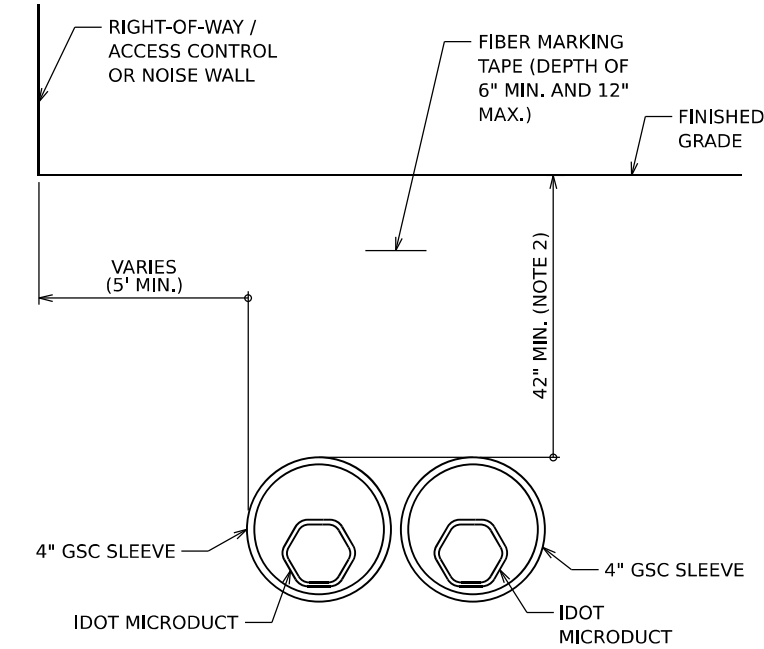
IDOT MICRODUCT CELL INFORMATION



THIRD PARTY MICRODUCT DETAIL

CELL NO.	CELL COLOR	CELL ALLOCATION
1	BLUE	FUTURE 144 THIRD PARTY
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3	GREEN	SPARE
4	BROWN	SPARE
5	GREY	SPARE
6	WHITE	SPARE
7	RED	SPARE

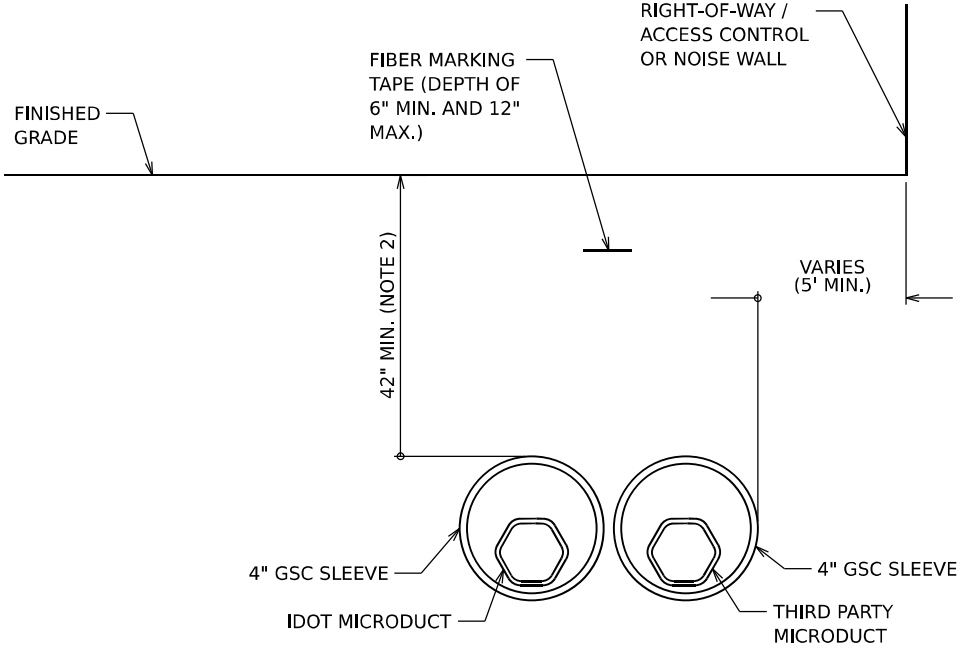
THIRD PARTY MICRODUCT CELL INFORMATION



**I-80 WESTBOUND
TYPICAL UNDERGROUND CONDUIT SECTION**

NOTES

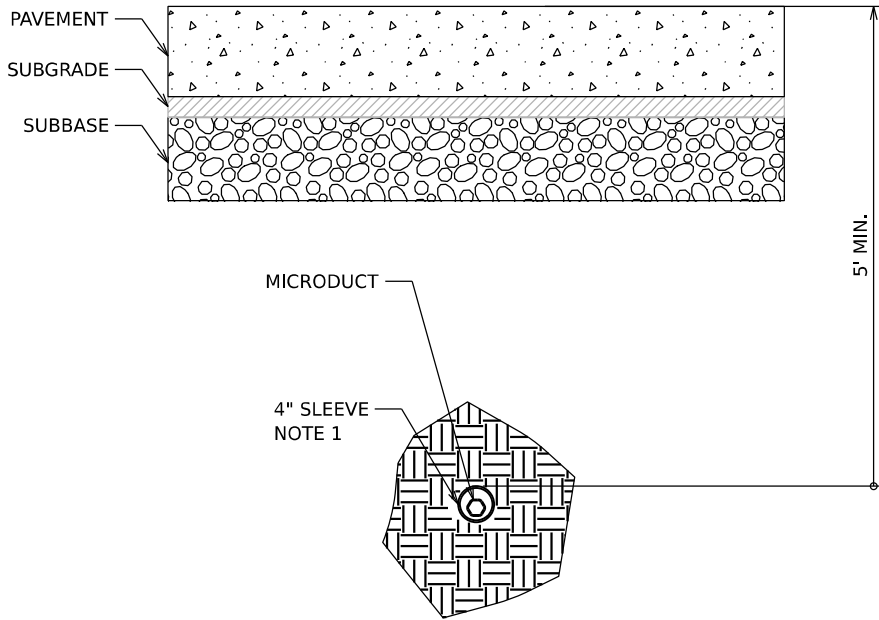
- GREATER DEPTH MAY BE REQUIRED IN CERTAIN SITUATIONS, INCLUDING, BUT NOT LIMITED TO:
ENTERING HANDHOLES/VAULTS, UTILITY AVOIDANCE, CROSSING BENEATH BOX CULVERTS.



**I-80 EASTBOUND
TYPICAL UNDERGROUND CONDUIT SECTION**

NOTES

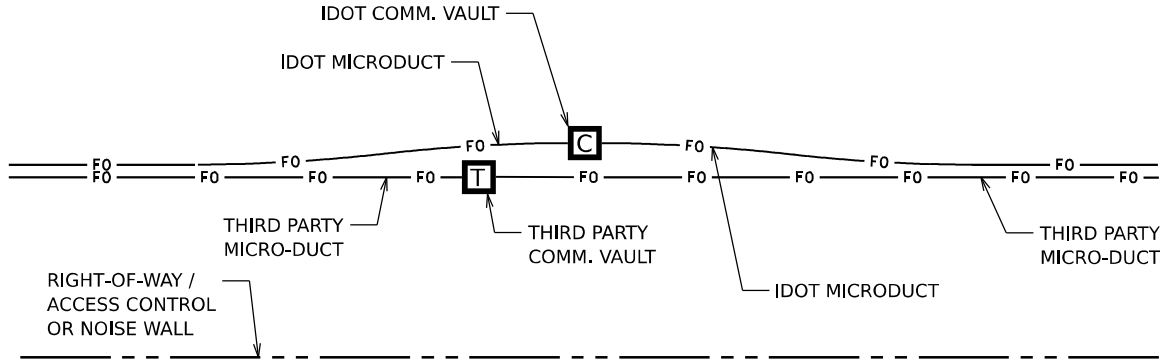
- GREATER DEPTH MAY BE REQUIRED IN CERTAIN SITUATIONS, INCLUDING, BUT NOT LIMITED TO:
ENTERING HANDHOLES/VAULTS, UTILITY AVOIDANCE, CROSSING BENEATH BOX CULVERTS.



CONDUIT UNDER ROADWAY OR PAVED SHOULDER

NOTES

- REFER TO ITS INFRASTRUCTURE PLANS FOR TYPE OF 4" SLEEVE.



TYPICAL CONDUIT ROUTING AT HANDHOLES

NOTES

- IDOT MICRODUCT SHALL ENTER IDOT COMMUNICATIONS VAULTS ONLY.
- THIRD PARTY MICRODUCT SHALL ENTER THIRD PARTY COMMUNICATIONS VAULTS ONLY.

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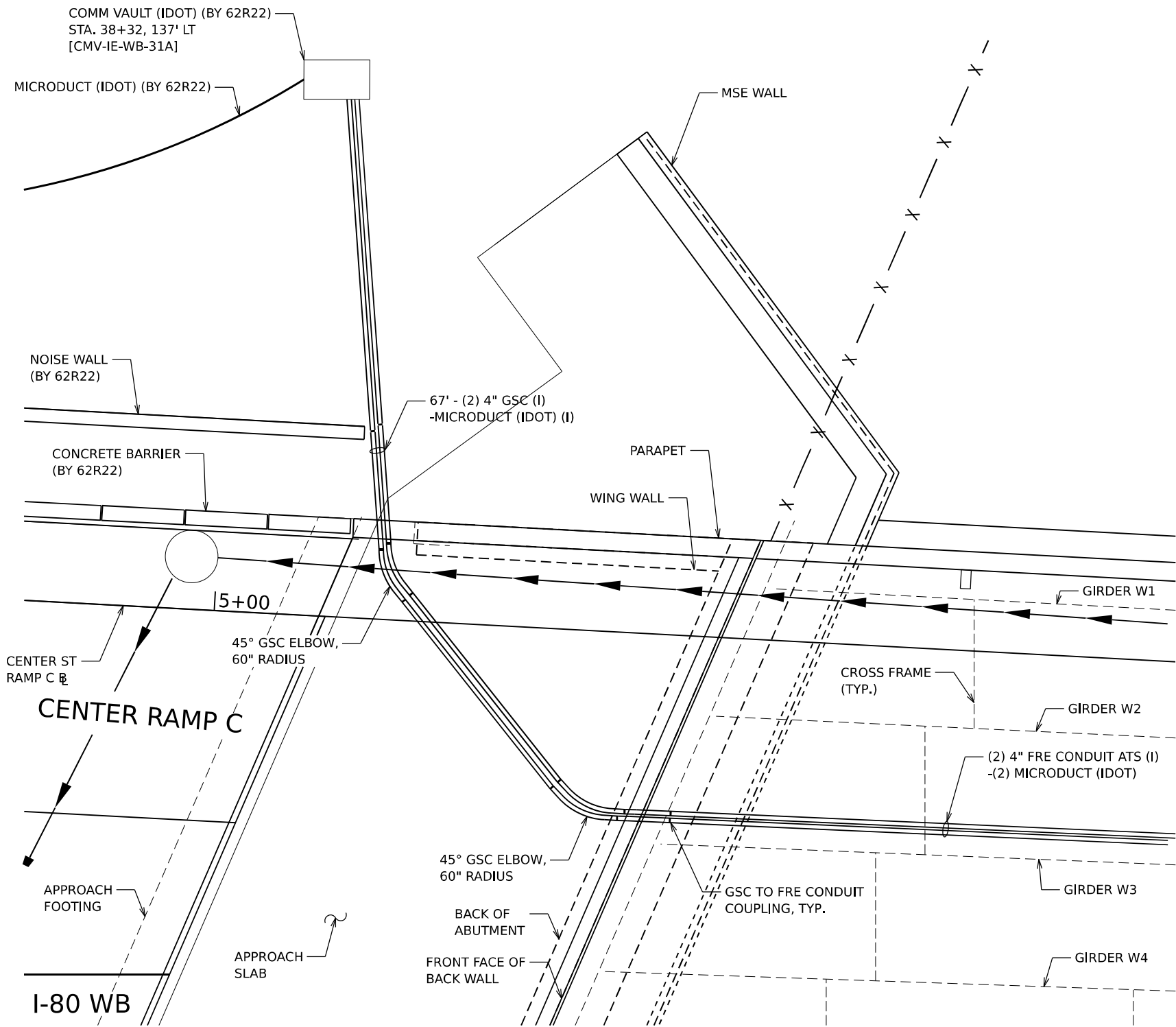
1. GROUND ROD, 1-1/2" CONDUIT, #6 AWG GROUND WIRE, LOCATE POST AND ASSOCIATED WORK ARE INCLUDED AS PART OF COMMUNICATIONS VAULT AND WILL NOT BE PAID FOR SEPARATELY. ALL MATERIALS FOR MECHANICAL CONNECTION SHALL BE UL LISTED AND INSTALLED PER NEC ARTICLE 250.
2. #20 AWG TRACER CABLE SHALL BE SPliced TO THE #20 AWG TRACER CABLE IN THE MICRODUCT USING A WATERPROOF SPlice KIT AS RECOMENDED BY THE MICRODUCT MANUFACTURER. THE #20 AWG WIRE, SPlice KIT AND ASSOCIATED WORK ARE INCLUDED AS PART OF COMMUNICATIONS VAULT AND WILL NOT BE PAID FOR SEPARATELY.
3. A WATERPROOF MICRODUCT PLUG(S) OR INNERDUCT PLUG SHALL BE INSTALLED AROUND EACH MICRODUCT OR INNERDUCT TO SEAL AROUND THE DUCT FOR ALL MICRODUCTS OR INNERDUCTS COMING INTO THE VAULT. THE PLUGS SHALL BE APPROPRIATELY SIZED AND INSTALLED AS RECOMMENDED BY THE MANUFACTURER AND IS INCLUDED AS PART OF THE MICRODUCT OR INNERDUCT PAY ITEM AND WILL NOT BE PAID SEPARATELY.
4. IDOT COMMUNICATIONS VAULTS SHALL HAVE A PERMANENTLY RECESSED LOGO THAT READS "IDOT" AND THIRD PARTY COMMUNICATIONS VAULTS SHALL HAVE A PERMANENTLY RECESSED LOGO THAT READS "IDOT - DoIT".
5. COMMUNICATIONS VAULT SHALL HAVE AN OPEN BASE. ALL CONDUITS AS SHOWN ON THE PLANS SHALL ENTER THE VAULT VIA THE OPEN BASE.
6. ALL DIMENSIONS ARE MINIMUM AND A LARGER SIZE VAULT MAY BE USED, WITH THE APPROVAL OF THE ENGINEER, TO FACILITATE USING A MANUFACTURER'S STANDARD PRODUCT.



N.T.S.



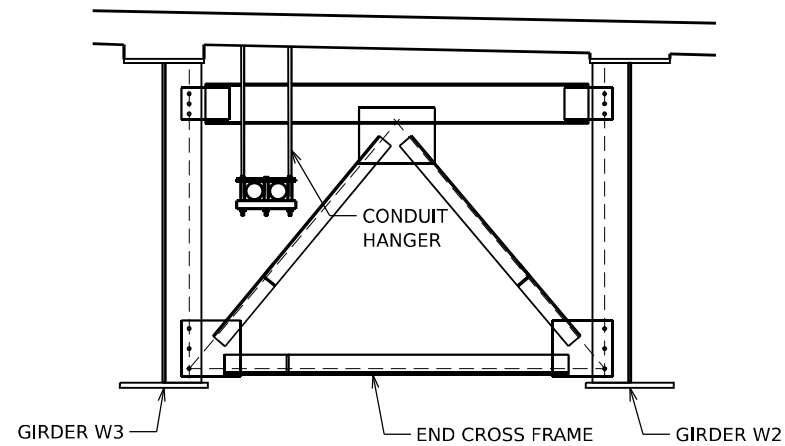
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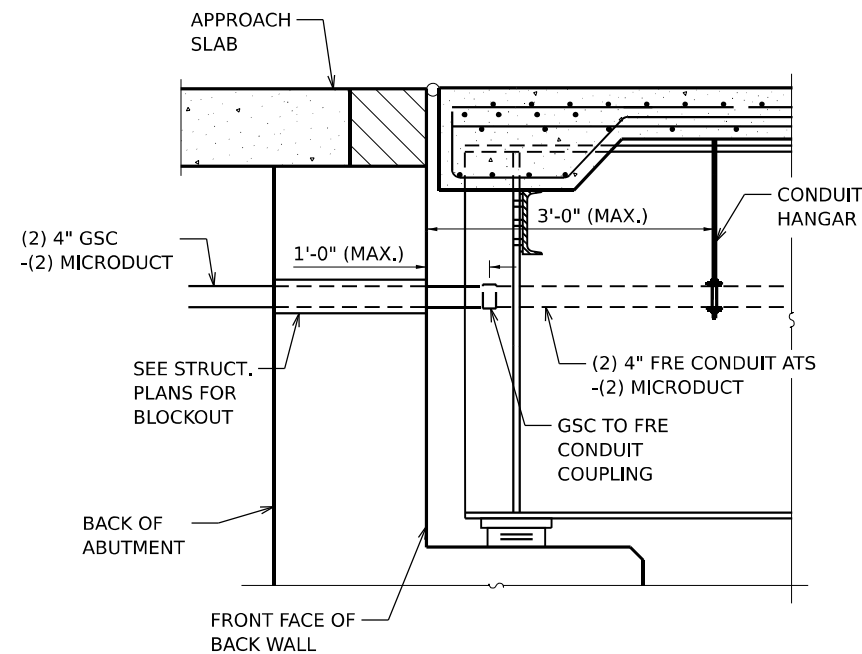
ITS INFRASTRUCTURE DETAIL
I-80 WB AT WEST APPROACH SLAB PLAN
N.T.S.

NOTES

1. STRUCTURAL ELEMENTS ARE SHOWN FOR REFERENCE ONLY WITH RESPECT TO ITS CONDUIT ATTACHED TO STRUCTURE. REFER TO STRUCTURAL PLANS.

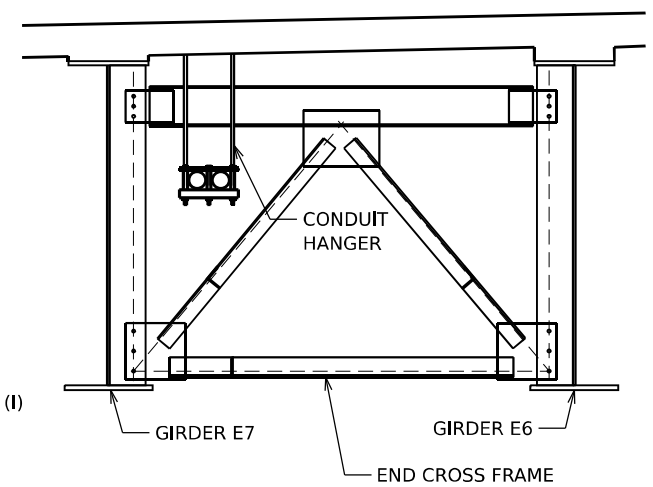
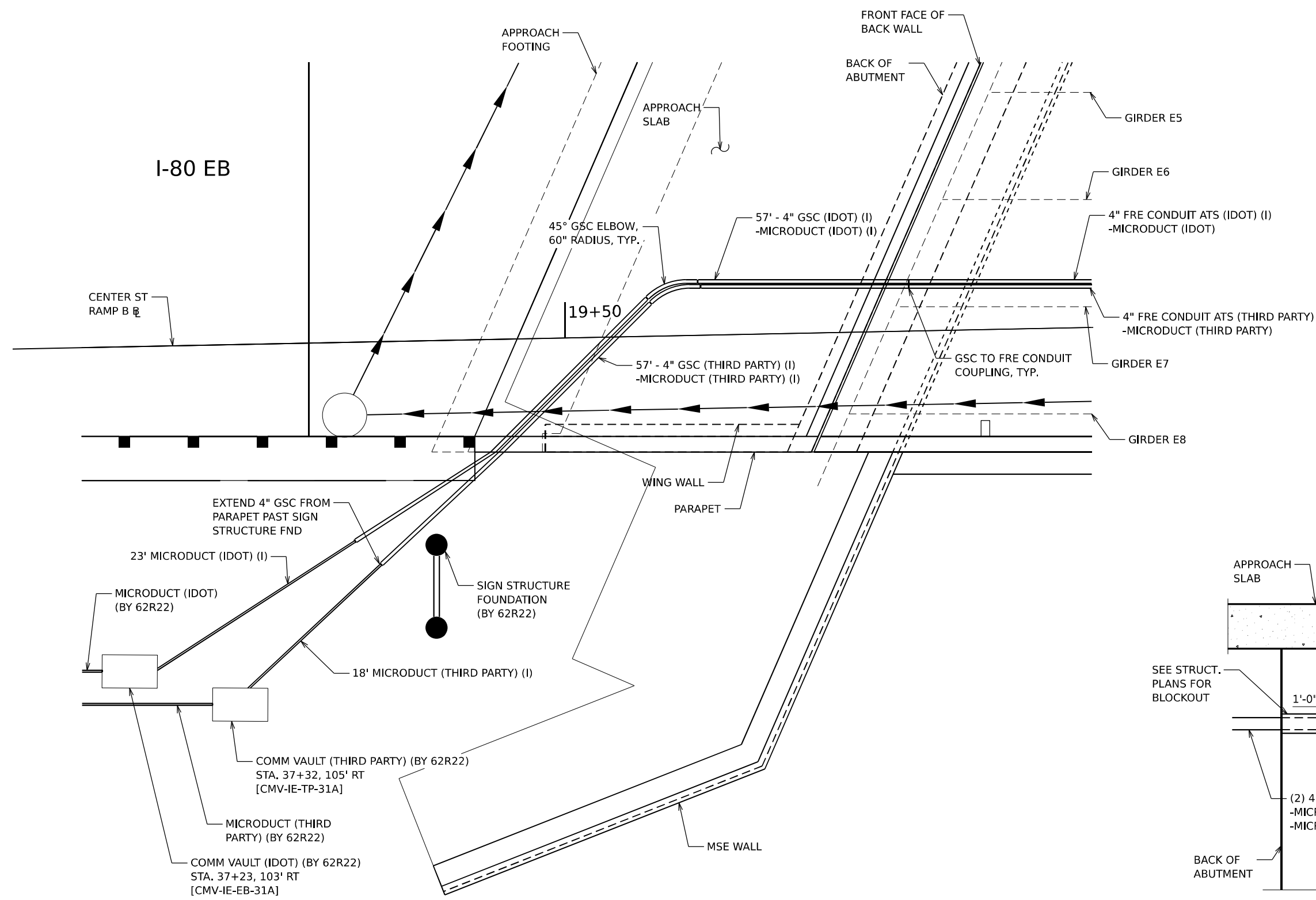


ITS CONDUIT ATS DETAIL
SECTION VIEW I-80 WB AT W.
ABUTMENT END CROSS FRAME
N.T.S.

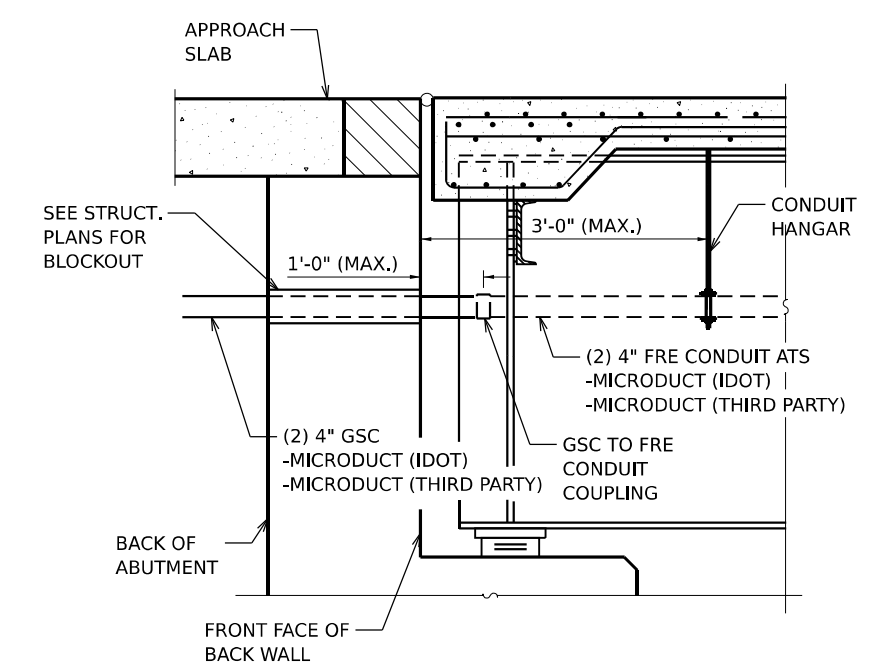


ITS INFRASTRUCTURE DETAIL
I-80 WB WEST ABUTMENT ELEVATION
N.T.S.

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ITS CONDUIT ATS DETAIL
SECTION VIEW I-80 EB AT W.
ABUTMENT END CROSS FRAME
N.T.S.




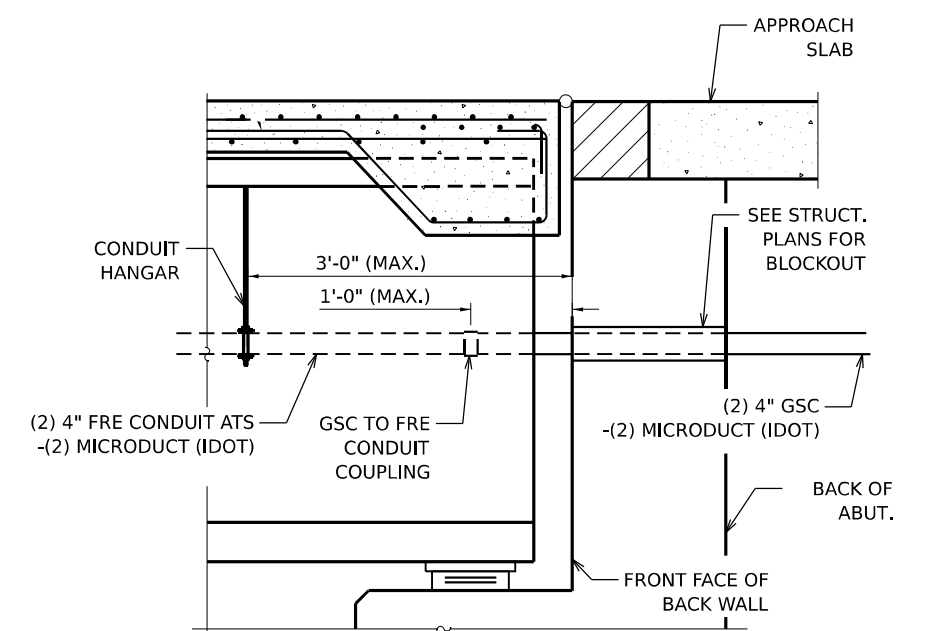
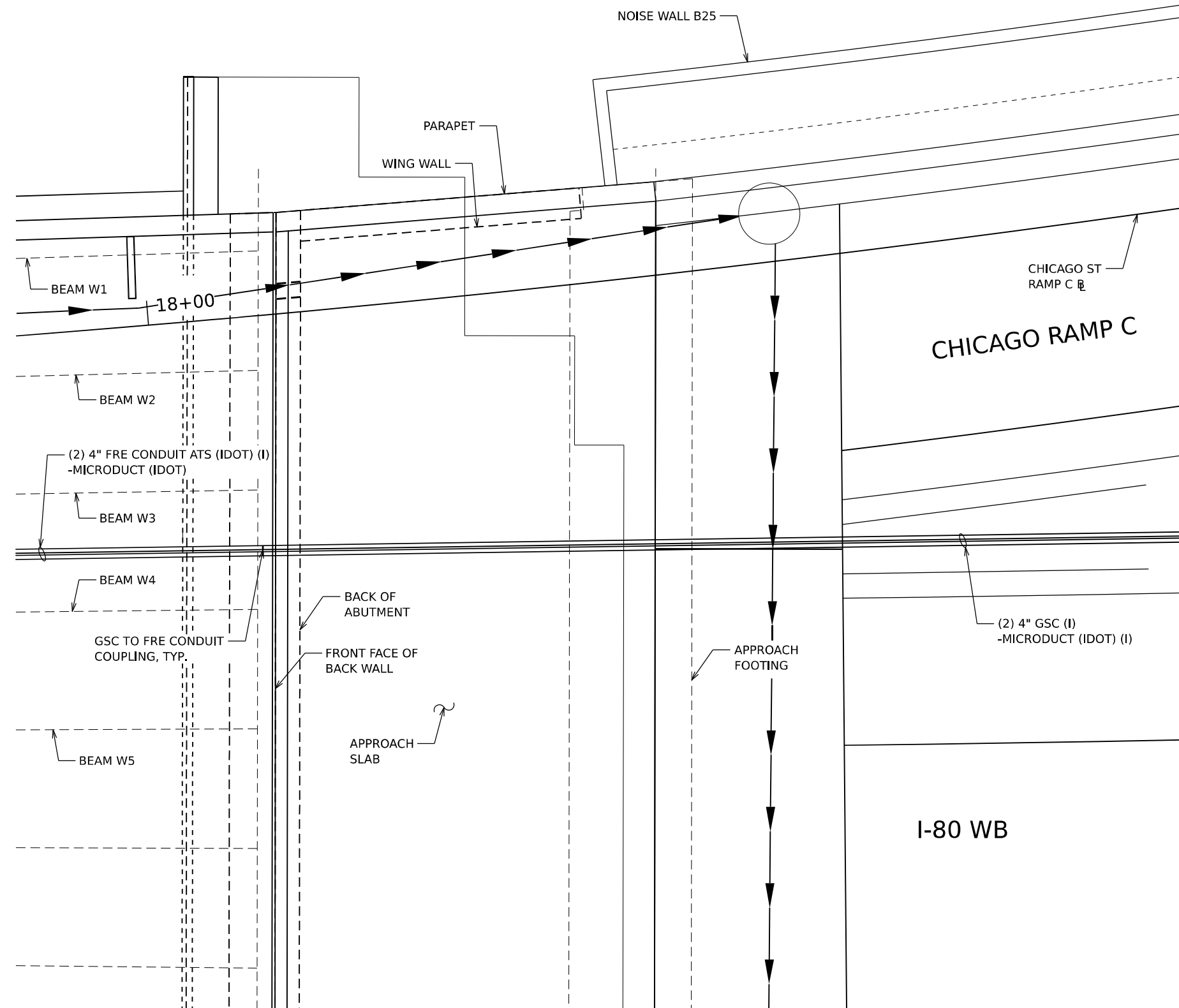
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I-80 EB WEST ABUTMENT ELEVATION
N.T.S.

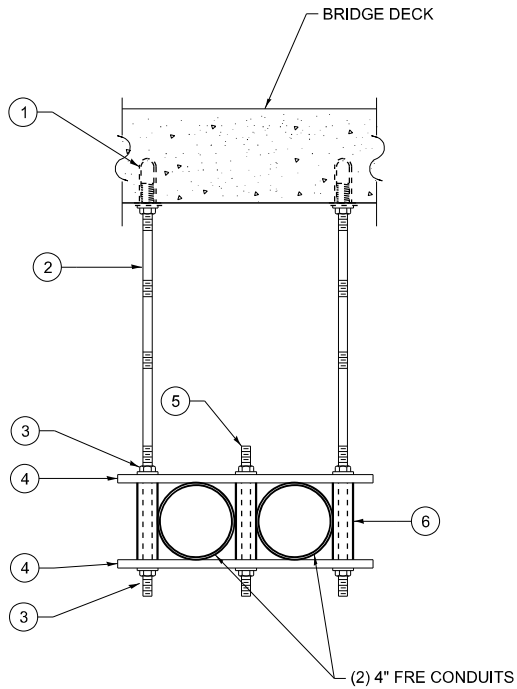
NOTES
1. STRUCTURAL ELEMENTS ARE SHOWN FOR REFERENCE ONLY WITH RESPECT TO ITS CONDUIT ATTACHED TO STRUCTURE. REFER TO STRUCTURAL PLANS.

ITS INFRASTRUCTURE DETAIL
I-80 EB AT WEST APPROACH SLAB PLAN
N.T.S.

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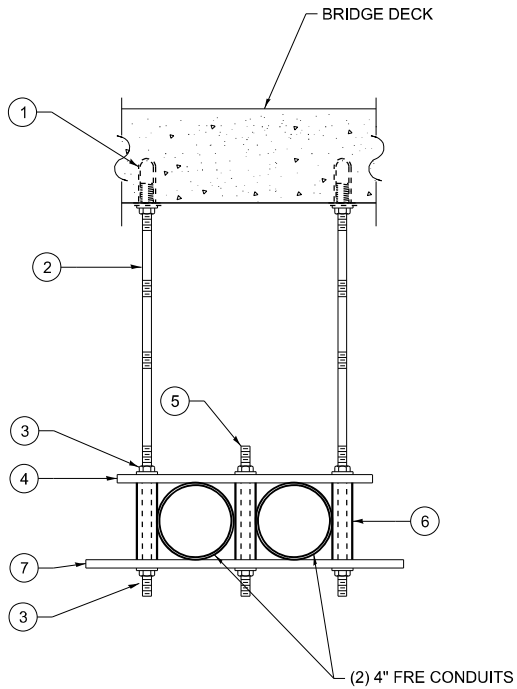
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	PLOT DATE = 11/5/2025	DATE - 11/7/2025	REVISED -		SCALE: NTS				SHEET 20	OF 41 SHEETS	STA.	TO STA.	
											ILLINOIS	FED. AID PROJECT	





4" FRE CONDUIT INTERMEDIATE HANGER DETAIL

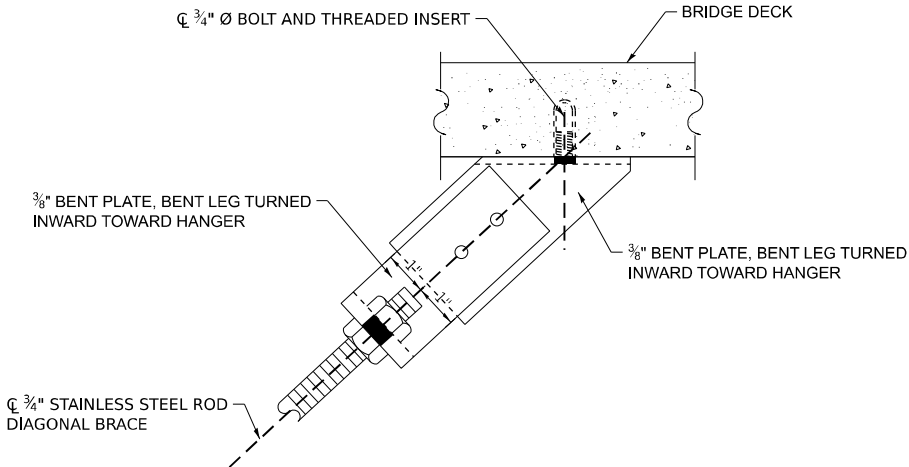
N.T.S.



4" FRE CONDUIT ANCHORING HANGER DETAIL

N.T.S.

NOTE: THE DIAGONAL ROD ON EACH SIDE OF THE HANGER CONNECTED TO THE BOTTOM RUNG IS NOT SHOWN FOR CLARITY. SEE DETAILS FOR TYPICAL SPLIT RING INSTALLATION, ATTACHMENT OF DIAGONAL ROD AT HANGER, AND ATTACHMENT OF DIAGONAL ROD AT BRIDGE DECK.



ATTACHMENT OF DIAGONAL ROD AT BRIDGE DECK

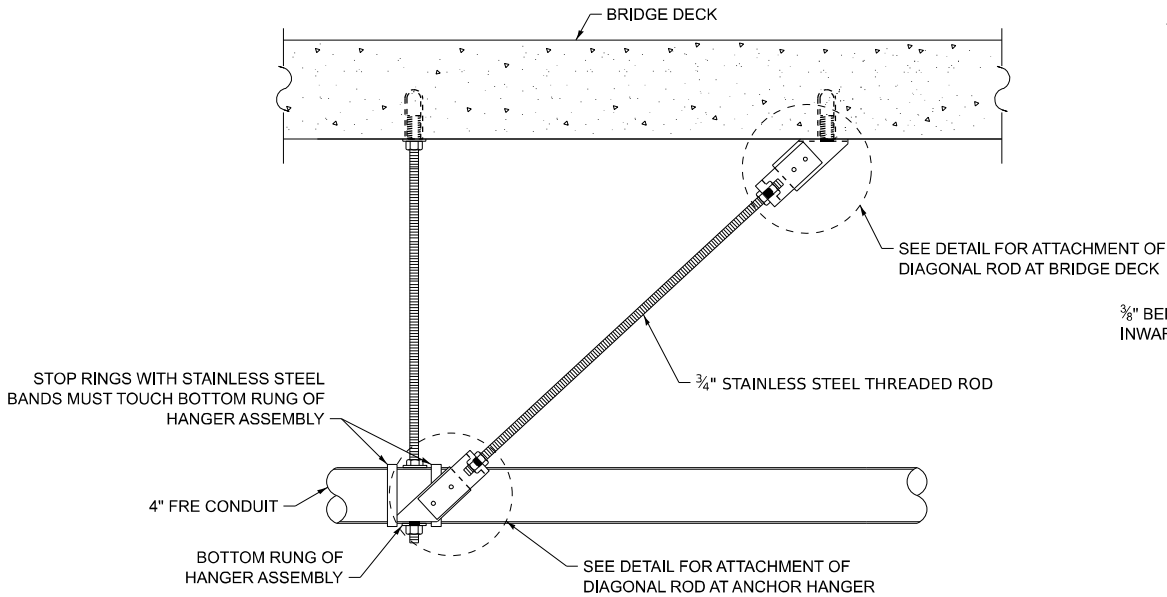
CONDUIT HANGER LEGEND

- 1 STAINLESS STEEL CONCRETE INSERTS CAST IN DECK FOR 3/4" THREADED RODS WITH A MINIMUM CERTIFIED 6,600 LB PROOF LOAD AS SPECIFIED IN ARTICLE 1006.13.
- 2 3/4" STAINLESS STEEL THREADED ROD (LENGTH VARIES)
- 3 3/4" STAINLESS STEEL HEX NUT, STAINLESS STEEL FLAT WASHER AND STAINLESS STEEL LOCK WASHER, TYP.
- 4 1/2" X 2" X 14 3/4" FIBERGLASS FLAT BAR (LEVEL)
- 5 3/4" STAINLESS STEEL THREADED ROD 9 3/8" LONG
- 6 1" FIBERGLASS ROUND TUBE 4 7/8" LONG
- 7 1/2" X 2" X 1'- 7" FIBERGLASS FLAT BAR

NOTE: ABOVE SIZES/LENGTHS SHALL BE VERIFIED BY CONTRACTOR TO ENSURE PROPER CONDUIT FIT BEFORE ORDERING MATERIAL.

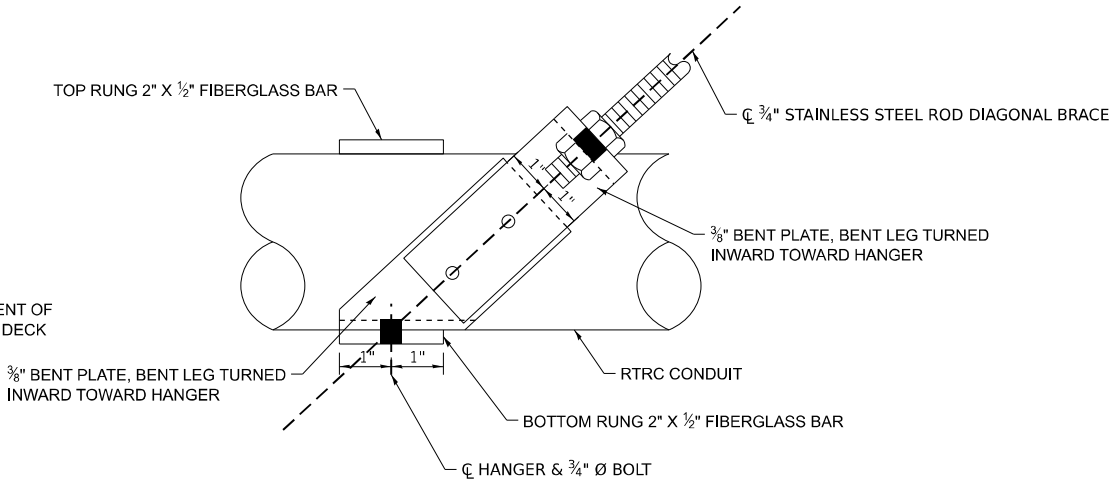
NOTES:

1. CONDUIT SHALL BE SUPPORTED AT A MAXIMUM INTERVAL OF 8' AND WITHIN 2.5' OF ANY JUNCTION BOX, COUPLING/FITTING OR CHANGE IN DIRECTION.
2. ALL HARDWARE SHALL BE STAINLESS STEEL IN ACCORDANCE WITH ARTICLE 1006.31 OF THE STANDARD SPECIFICATIONS.
3. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE LOCATION OF THE CONCRETE INSERTS WITH THE BRIDGE CONTRACTOR.
4. THE COST OF THE CONCRETE INSERTS SHALL BE INCLUDED IN THE COST OF CONDUIT ATTACHED TO STRUCTURE.
5. CONDUIT SHALL BE INSTALLED BETWEEN THE BEAMS AS SHOWN ON THE PLANS AND DETAILS.
6. CONDUIT SHALL NOT COME INTO CONTACT WITH ANY BRACING OR OTHER STRUCTURAL MEMBERS. PROVIDE 1" MINIMUM CLEARANCE TO ALL STRUCTURAL MEMBERS.
7. FIBERGLASS FLAT BAR MUST BE LEVELED OUT AT TIME OF PLACEMENT.
8. THE HANGER ASSEMBLIES FOR THE FIBER GLASS CONDUIT SHALL BE ABOVE THE BOTTOM OF THE GIRDER.
9. SPLIT STOP RING SHALL BE IN ACCORDANCE WITH CONDUIT MANUFACTURER'S REQUIREMENTS. SPLIT STOP RINGS MUST ALWAYS BE LOCATED ON BOTH SIDES OF ANCHORING HANGERS TO SECURELY RESTRAIN THE FRE CONDUIT.
10. ALL HANGER ASSEMBLIES MUST MAINTAIN A MINIMUM OF 6" CLEARANCE FROM COUPLINGS TO AVOID RESTRICTING THE EXPANSION AND CONTRACTION OF THE FRE DUCT.
11. INTERMEDIATE HANGER OPENINGS MUST BE LARGE ENOUGH TO PERMIT UNRESTRICTED MOTION OF THE FRE CONDUIT WITHIN THE HANGER.
12. 4" FIBERGLASS CONDUIT (INCLUDING HANGER ASSEMBLIES, ALL REQUIRED EXPANSION/DEFLECTION FITTINGS, RODS, NUTS, WASHERS, FLAT BARS, TUBES AND ALL OTHER ANCILLARY ITEMS) PAID FOR UNDER "CONDUIT ATTACHED TO STRUCTURE, RIGID NON-METALLIC, 4" DIA. (81101002).



TYPICAL SPLIT STOP RING INSTALLATION

N.T.S.



ATTACHMENT OF DIAGONAL ROD AT HANGER

N.T.S.

NOTE: FASTEN 3/8" BENT PLATE WITH 3/4" Ø BOLTS, NUTS, WASHERS & LOCK WASHERS. SPLIT STOP RINGS NOT DEPICTED FOR CLARITY.



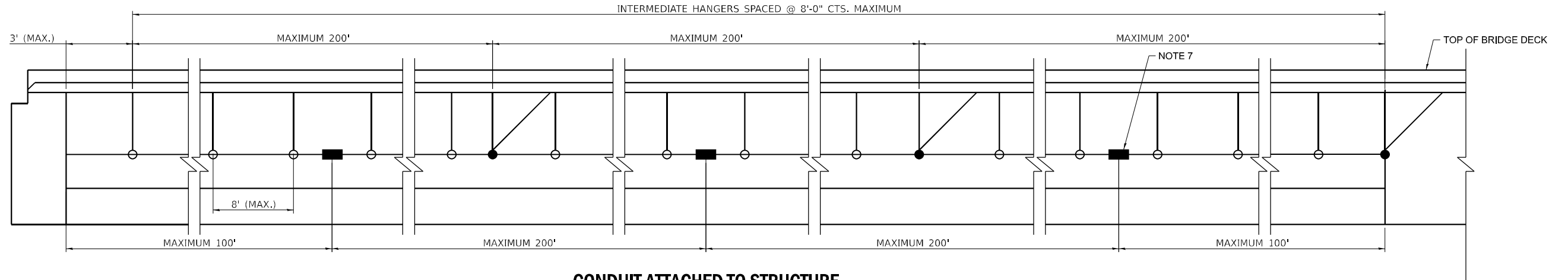
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PLOT DATE	= 11/5/2025	DATE	- 11/7/2025	REVISION	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

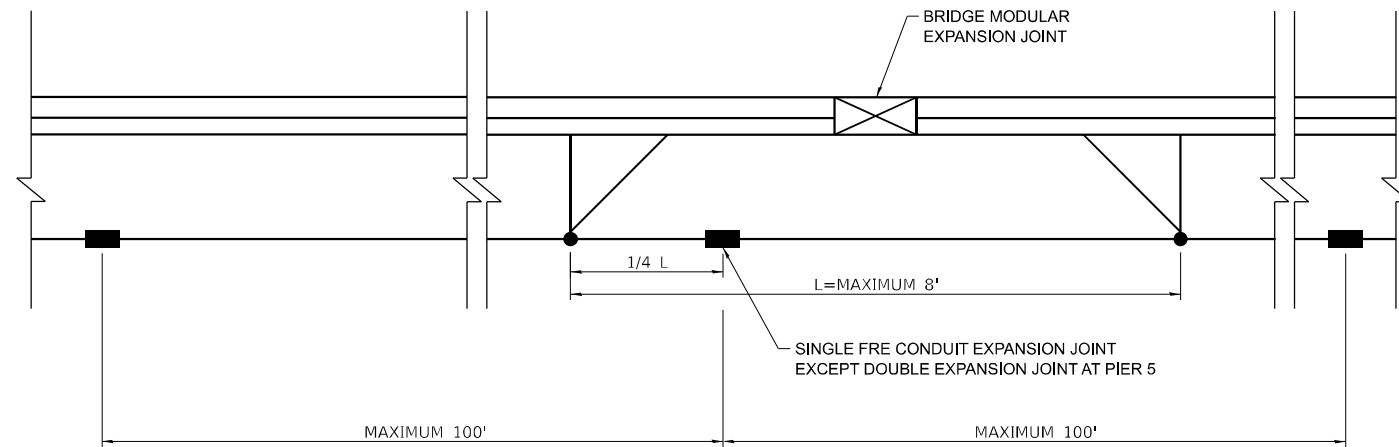
ITS INFRASTRUCTURE DETAILS
CONDUIT ATTACHED TO STRUCTURE

SCALE: NTS SHEET 23 OF 41 SHEETS STA. TO STA.

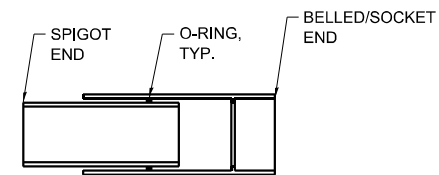
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CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



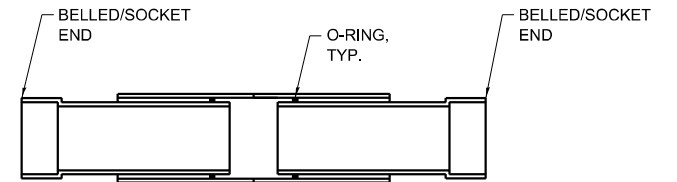
**CONDUIT ATTACHED TO STRUCTURE
HANGER & EXPANSION JOINT PLACEMENT**
N.T.S.



**CONDUIT ATTACHED TO STRUCTURE
HANGER & EXPANSION JOINT PLACEMENT
AT MODULAR EXPANSION JOINT**
N.T.S.



**SINGLE EXPANSION JOINT DETAIL
AT ALL OTHER MODULAR JOINT LOCATIONS**
N.T.S.



DOUBLE EXPANSION JOINT DETAIL AT PIER 5
N.T.S.

NOTES:

1. SPLIT STOP RINGS MUST ALWAYS BE LOCATED ON BOTH SIDES OF ANCHORING HANGERS TO SECURELY RETAIN THE FIBERGLASS CONDUIT.
2. INTERMEDIATE HANGER OPENING MUST BE LARGE ENOUGH TO PERMIT FREE UNRESTRICTED MOTION OF THE FIBERGLASS CONDUIT IN THE HANGER.
3. AFTER INSTALLING THE EXPANSION JOINTS, AN ALIGNMENT CHECK IS NECESSARY TO ENSURE THE UNIT WILL TRAVEL FREELY AND NOT BIND DUE TO MISALIGNMENT.
4. ALL HANGER ASSEMBLIES MUST MAINTAIN A MINIMUM OF 6" CLEARANCE FROM COUPLINGS TO AVOID RESTRICTING THE EXPANSION AND CONTRACTION OF THE FIBERGLASS CONDUIT.
5. THE HANGER ASSEMBLIES FOR THE FIBERGLASS CONDUIT SHALL BE ABOVE THE BOTTOM OF THE GIRDER UNLESS OTHERWISE NOTED.
6. AN EXPANSION JOINT MUST BE INSTALLED FOR EVERY 200' OF FIBERGLASS CONDUIT RUN AND WITHIN 100' OF THE ABUTMENTS AND MODULAR JOINT LOCATIONS.
7. SINGLE EXPANSION JOINT MUST ACCOMMODATE A MINIMUM OF 6" OF EXPANSION AND THE DOUBLE EXPANSION JOINT MUST ACCOMMODATE A MINIMUM OF 12" OF EXPANSION.

LEGEND

- ANCHORING HANGER WITH SPLIT STOP RINGS AND BRACE
- INTERMEDIATE HANGER
- FIBERGLASS CONDUIT WITH EXPANSION JOINT



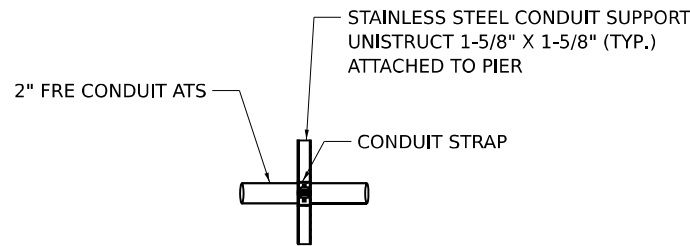
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PLOT DATE = 11/5/2025	DATE - 11/7/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

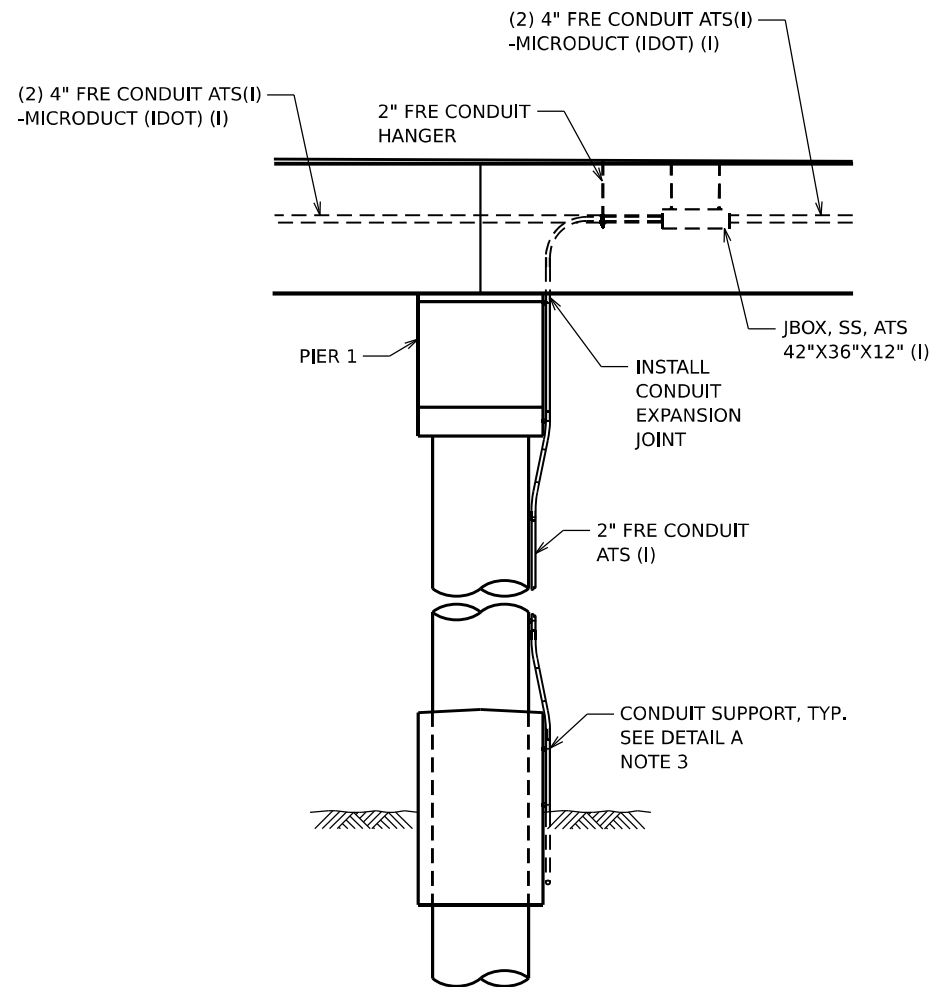
**ITS INFRASTRUCTURE DETAILS
CONDUIT ATTACHED TO STRUCTURE**

SCALE: NTS SHEET 24 OF 41 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

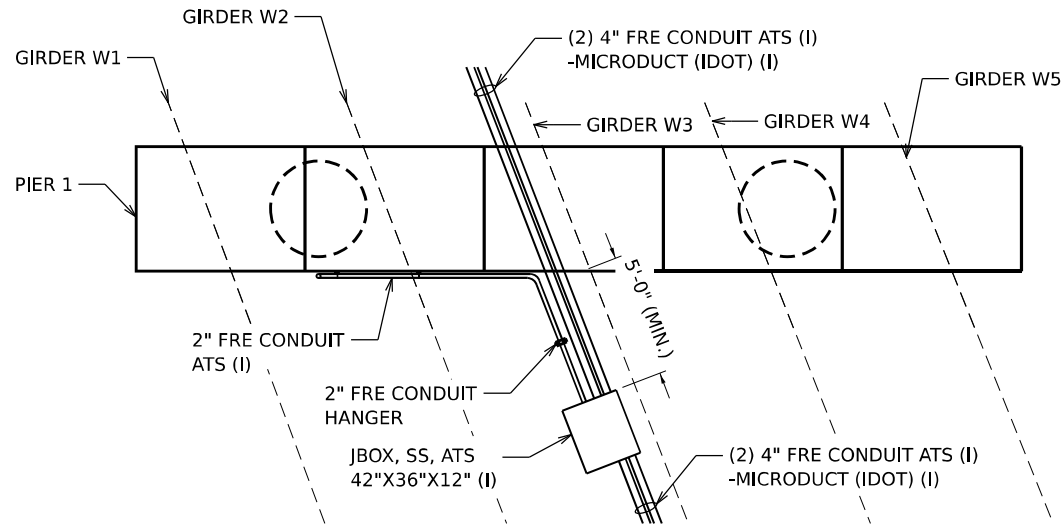


DETAIL A

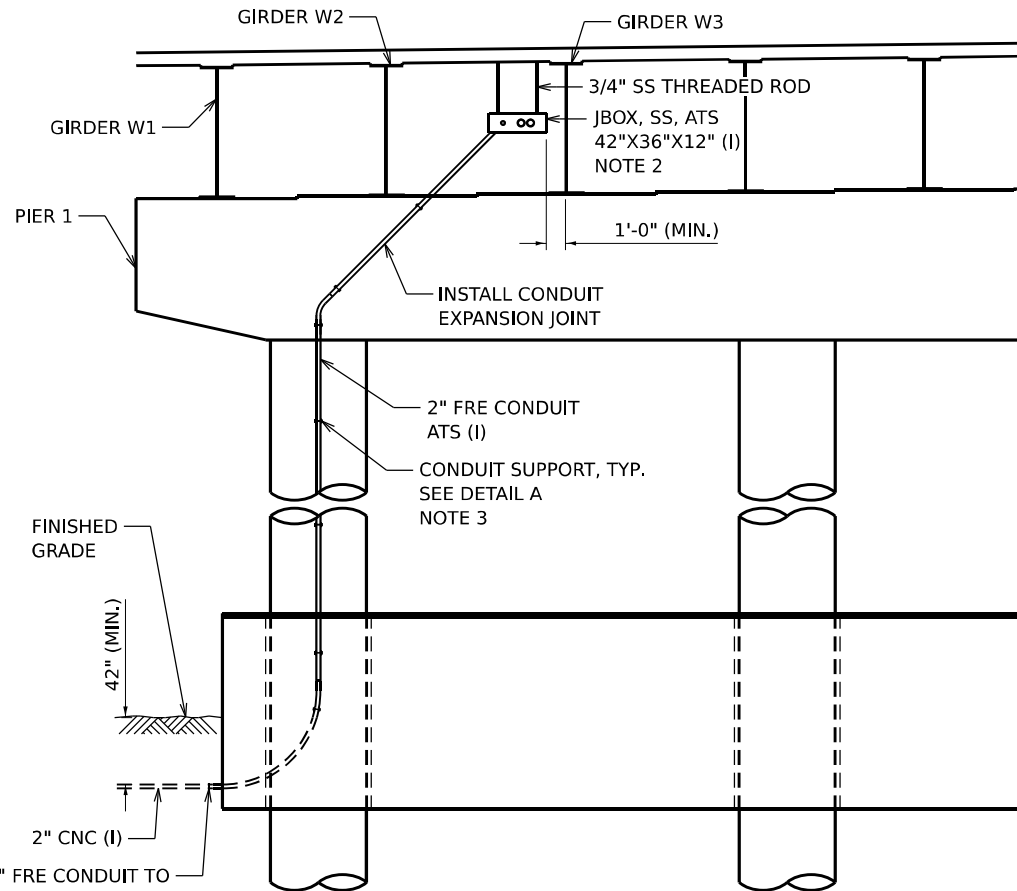


PIER 1 WB END VIEW

N.T.S.



PIER 1 WB TOP VIEW



PIER 1 WB ELEVATION VIEW

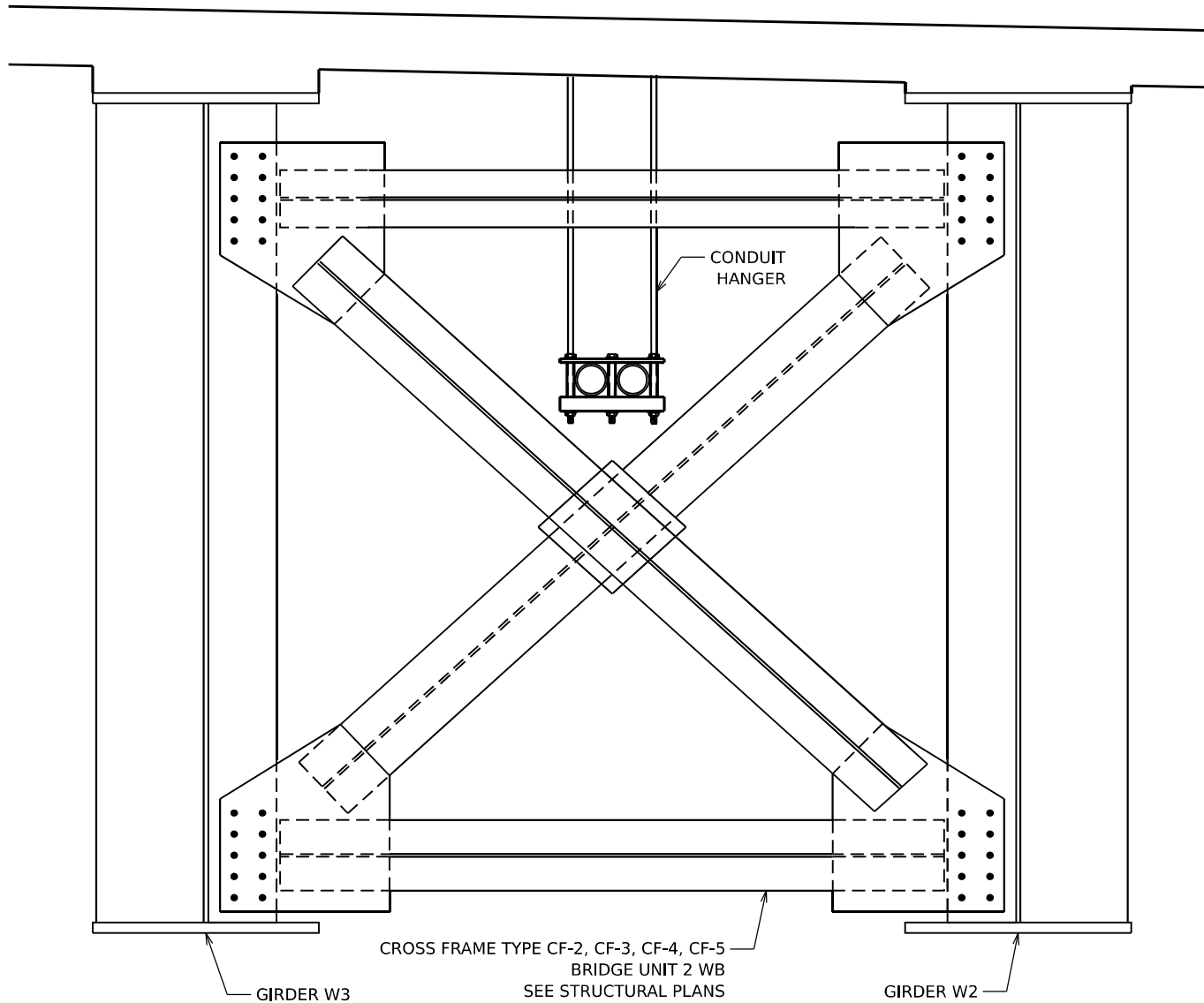
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NOTES

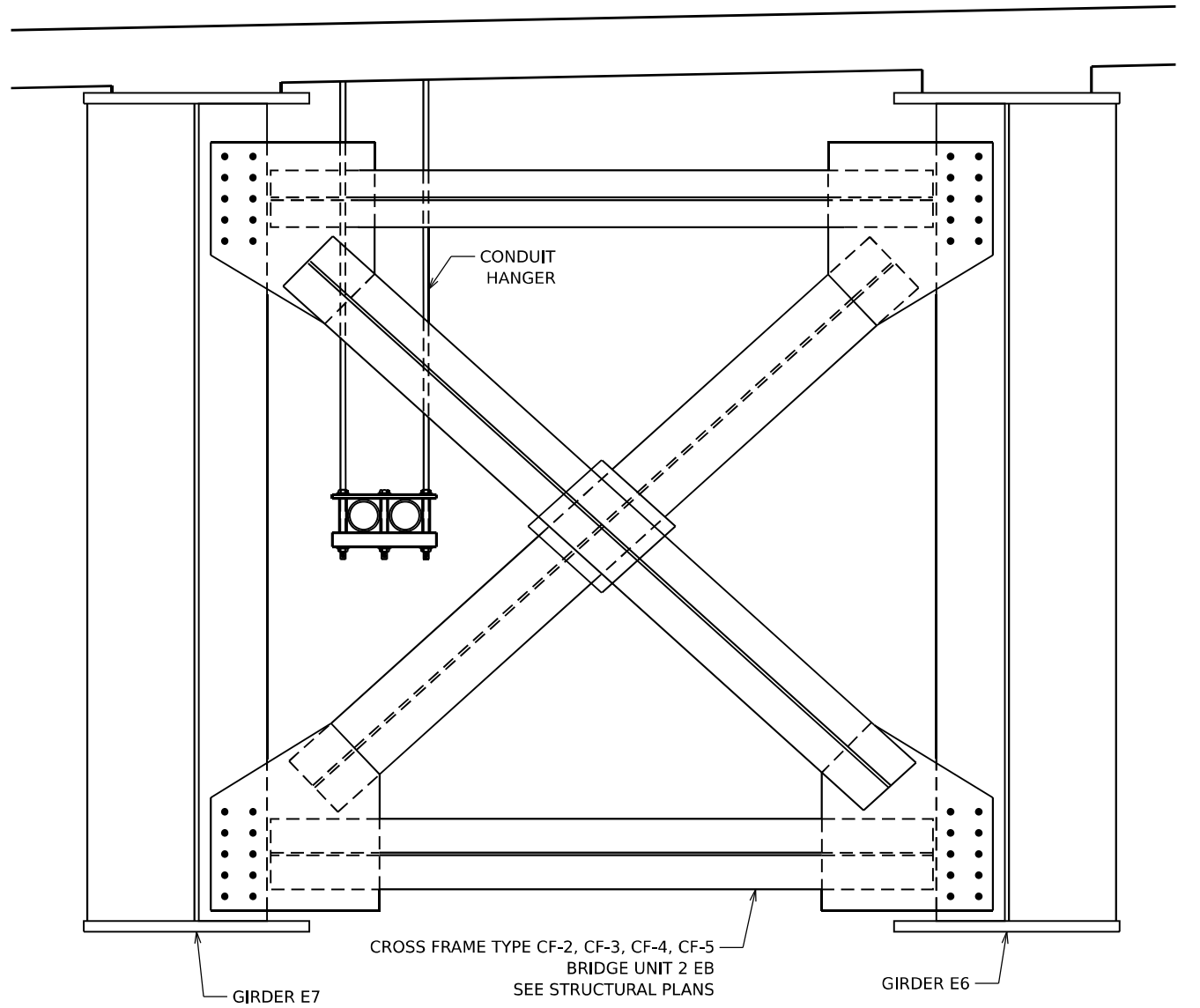
- STRUCTURAL ELEMENTS ARE SHOWN FOR REFERENCE ONLY WITH RESPECT TO ITS CONDUIT ATTACHED TO STRUCTURE. REFER TO STRUCTURAL PLANS.
- JUNCTION BOX SHALL BE INSTALLED WITH LID FACING DOWN FOR ACCESS FROM BELOW. LID HINGE SHALL BE ADJACENT TO GIRDER W3.
- CONDUIT SUPPORTS AT PIER 1 WB SHALL BE SPACED AT A MAXIMUM OF 8'-0".

MODEL: Default
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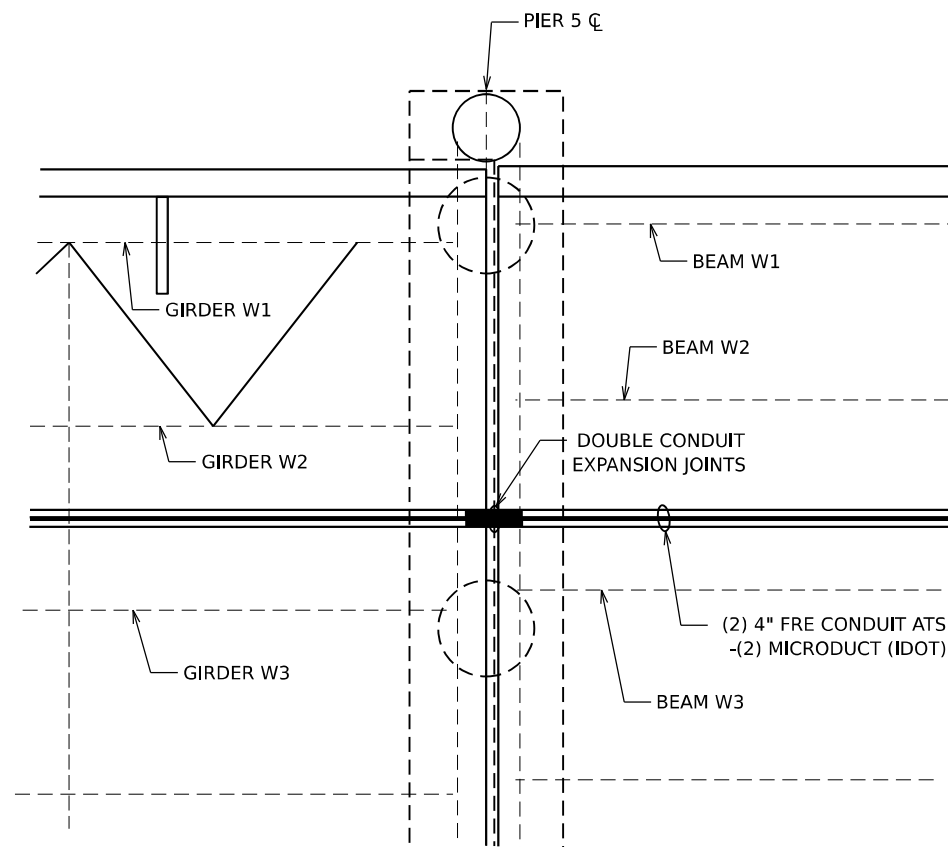
ITS CONDUIT ATS
TYPICAL SECTION AT CROSS FRAME SPAN 3, 4, & 5 - WB
N.T.S.



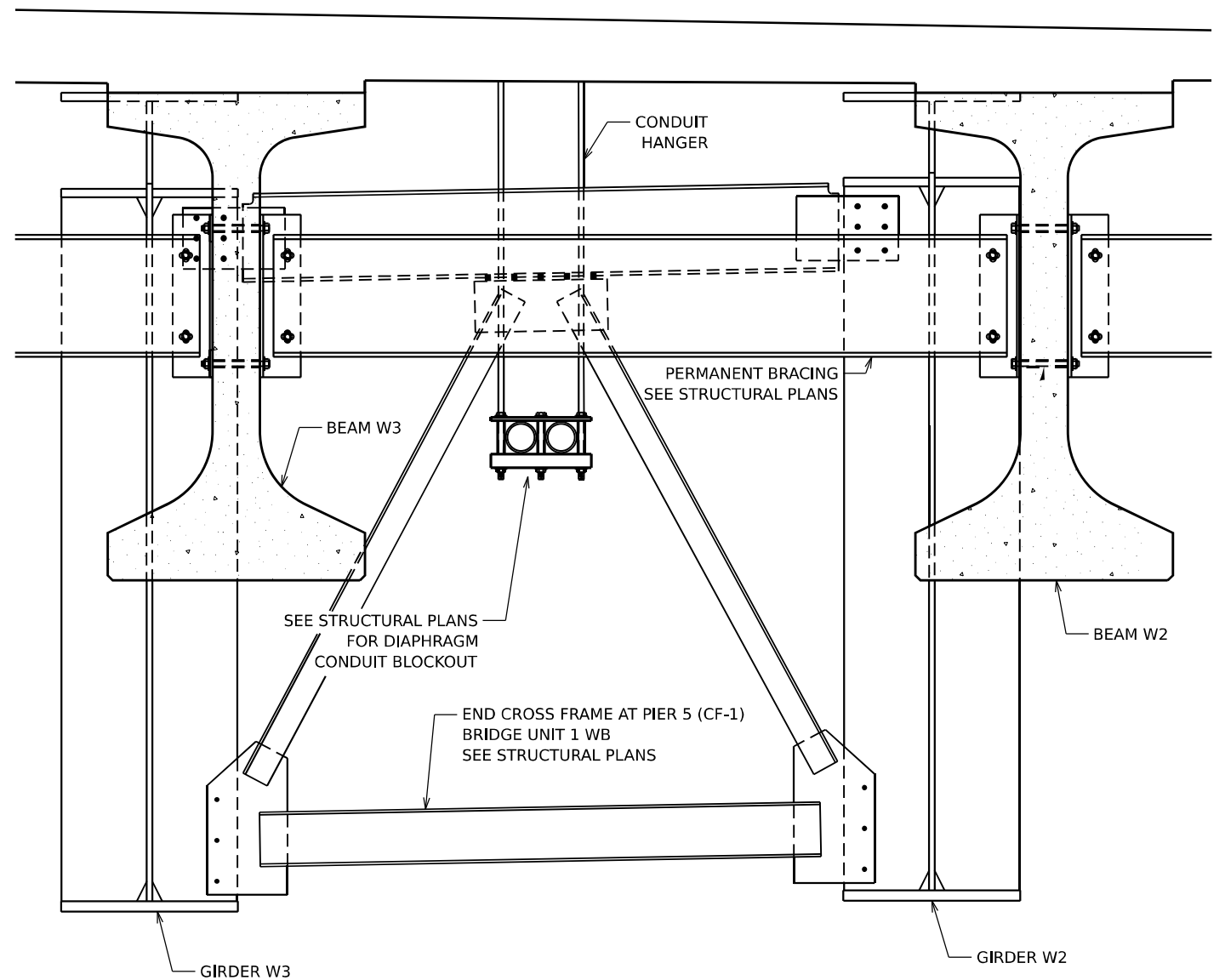
ITS CONDUIT ATS DETAIL
TYPICAL SECTION AT CROSS FRAME SPAN 3, 4, & 5 - EB
N.T.S.

NOTES

1. STRUCTURAL ELEMENTS ARE SHOWN FOR REFERENCE ONLY WITH RESPECT TO ITS CONDUIT ATTACHED TO STRUCTURE. REFER TO STRUCTURAL PLANS.



**ITS CONDUIT ATS DETAIL
PLAN AT PIER 5 WB**
N.T.S.

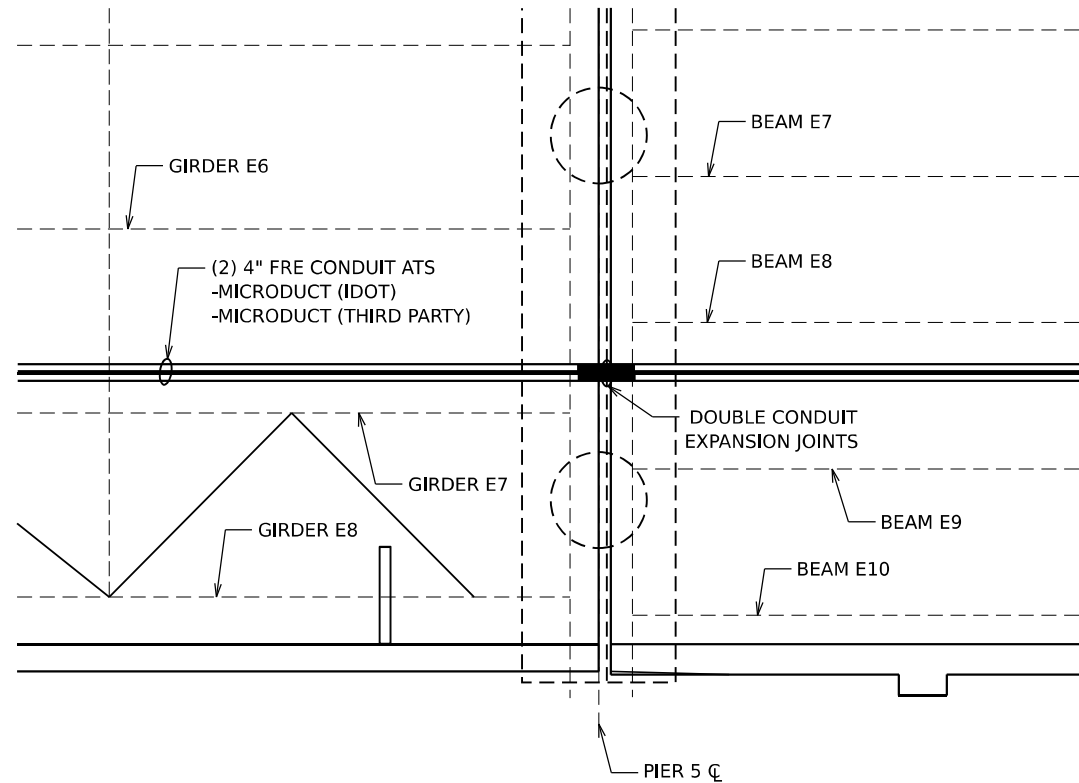


**ITS CONDUIT ATS
SECTION AT PIER 5 END CROSS FRAMES - WB**
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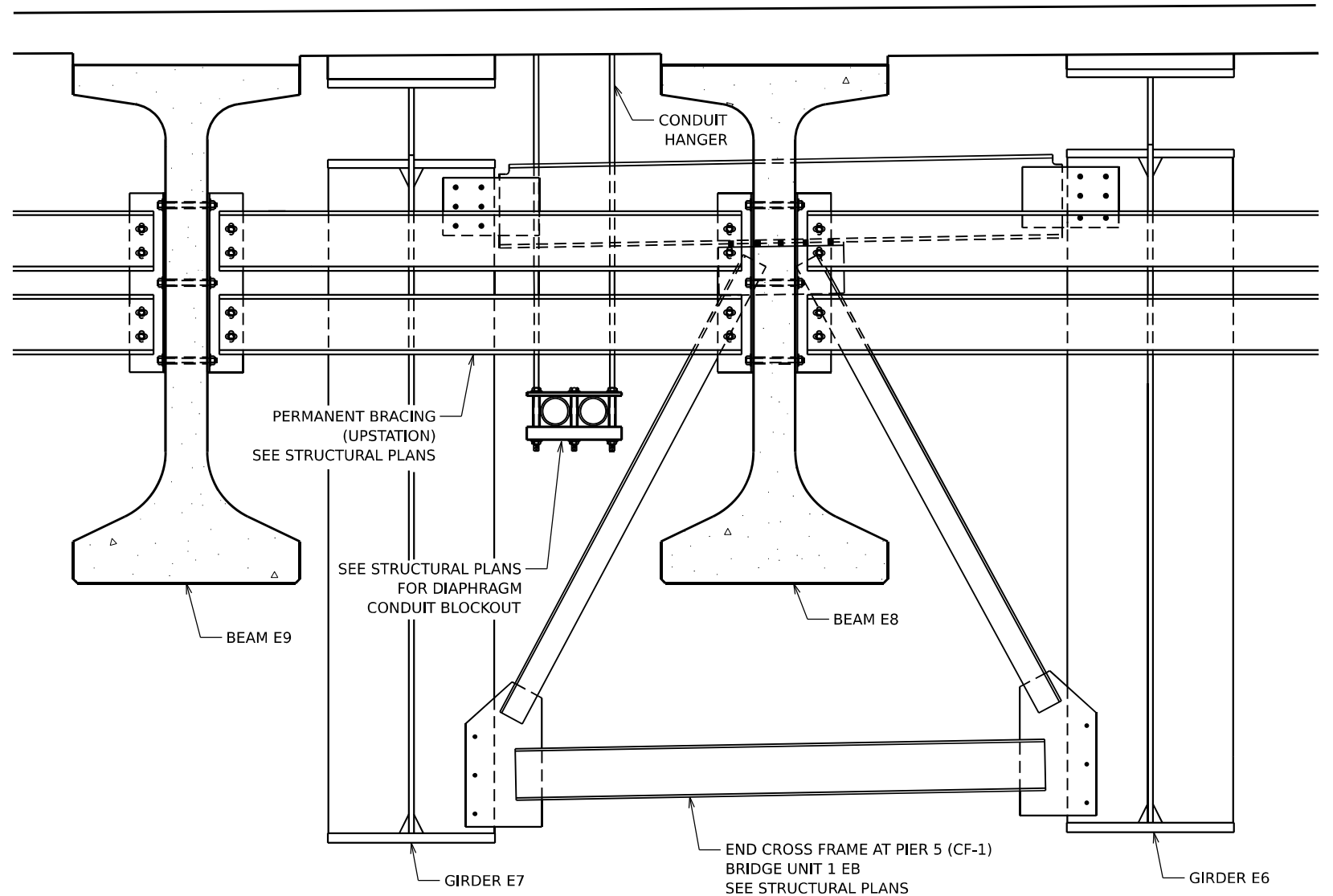
NOTES

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**ITS CONDUIT ATS DETAIL
PLAN AT PIER 5 EB**
N.T.S.

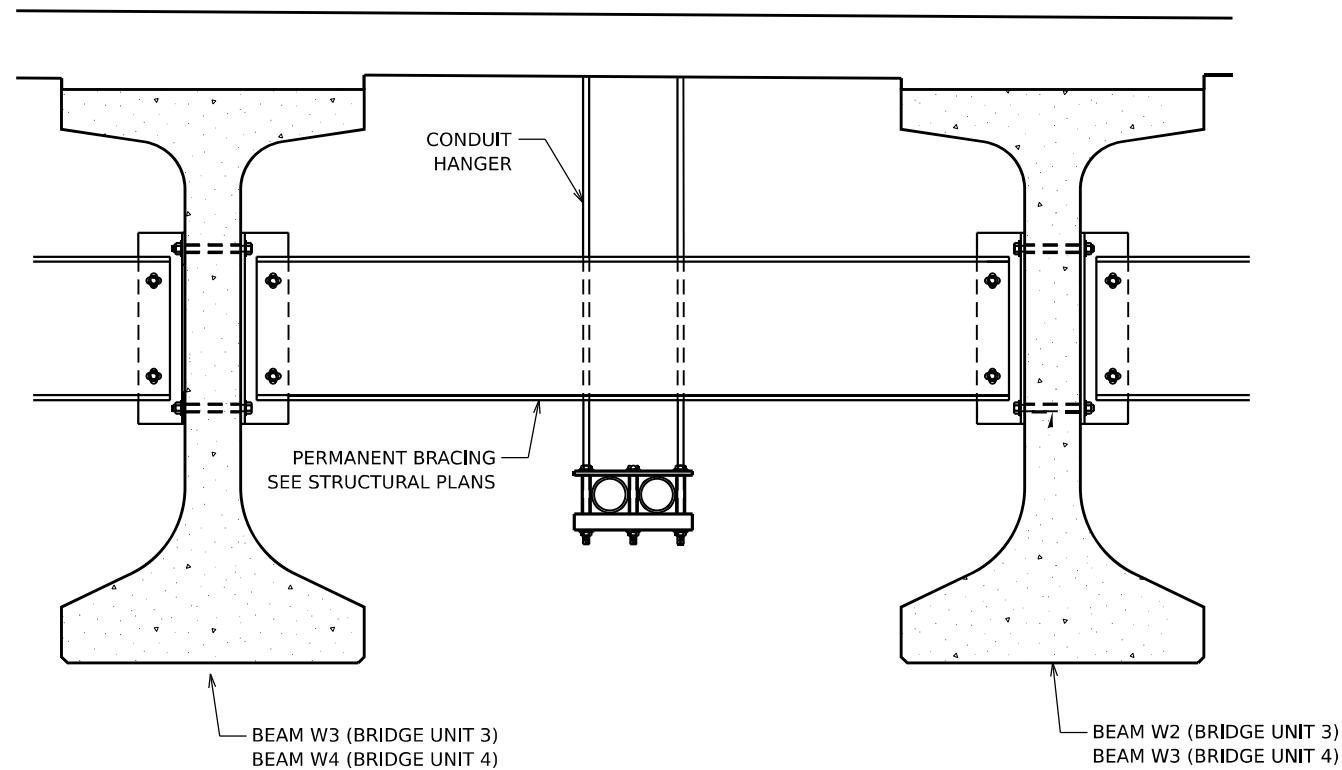


**ITS CONDUIT ATS
SECTION AT PIER 5 EB**
N.T.S.

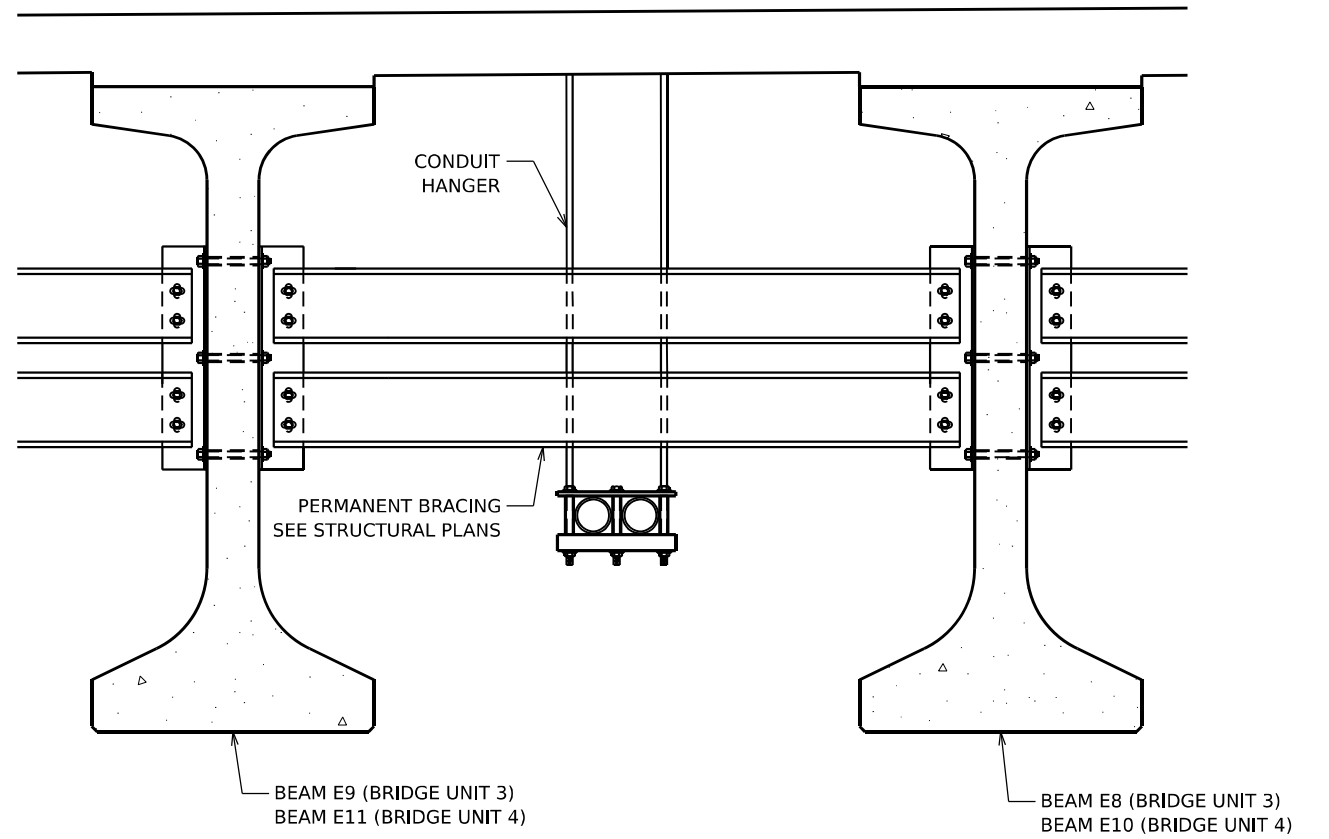
NOTES

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ITS CONDUIT ATS
TYPICAL SECTION AT PERMANENT BRACING SPAN 6-10 WB
N.T.S.

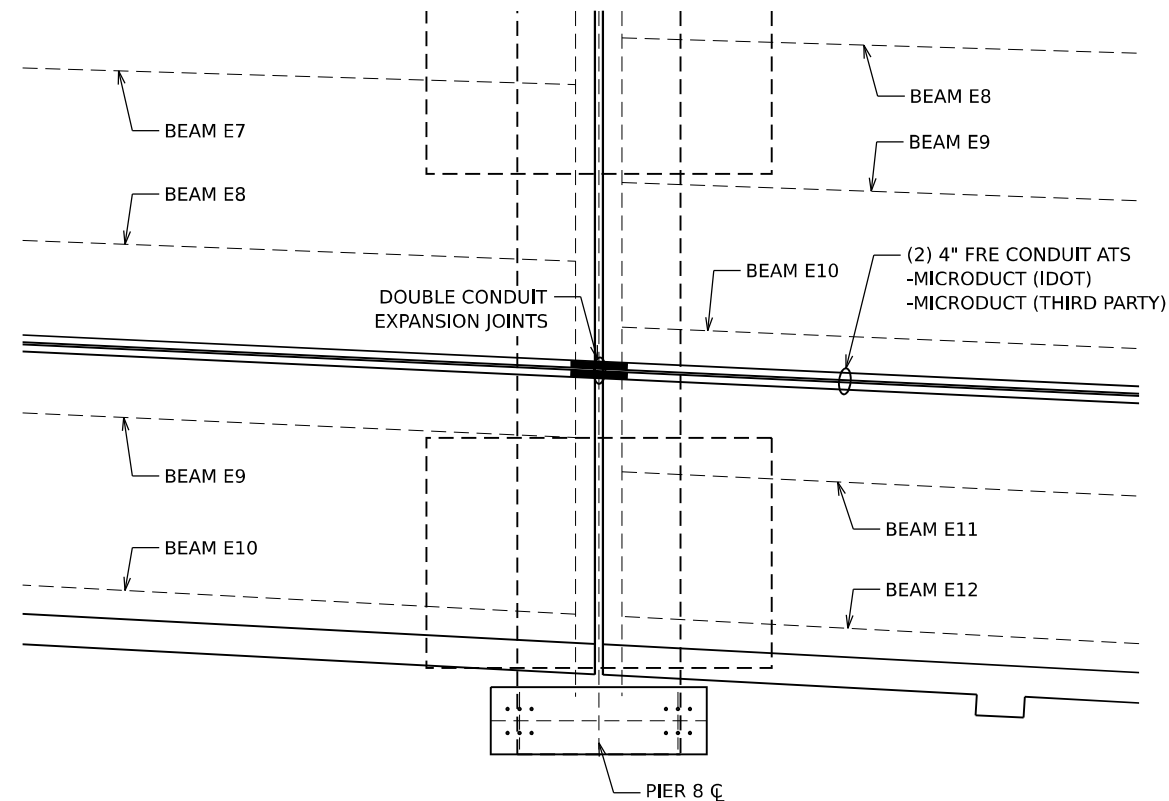


ITS CONDUIT ATS DETAIL
TYPICAL SECTION AT PERMANENT BRACING SPAN 6-10 EB
N.T.S.

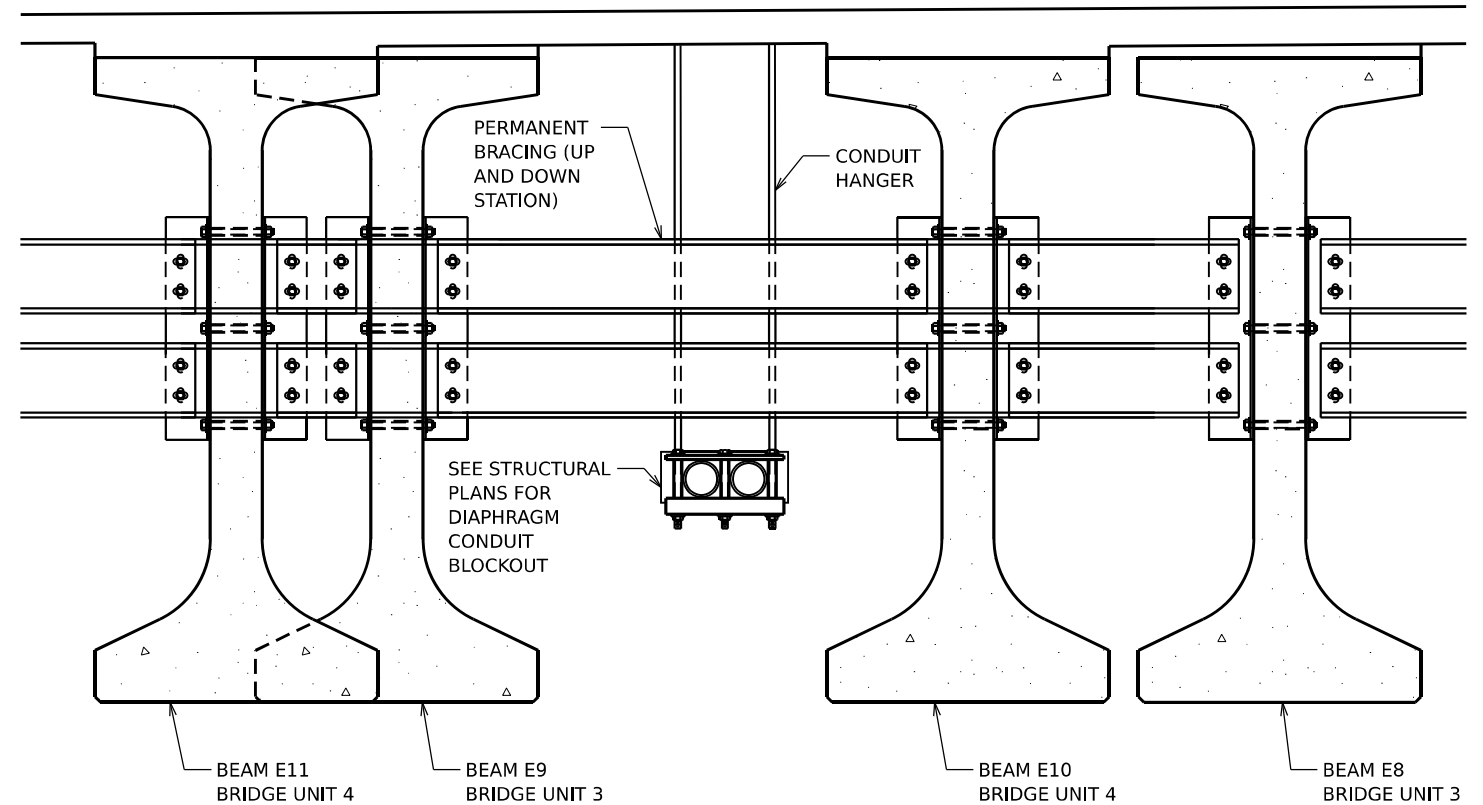
NOTES

1. STRUCTURAL ELEMENTS ARE SHOWN FOR REFERENCE ONLY WITH RESPECT TO ITS CONDUIT ATTACHED TO STRUCTURE. REFER TO STRUCTURAL PLANS.

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**ITS CONDUIT ATS DETAIL
PLAN AT PIER 8 EB**
N.T.S.



**ITS CONDUIT ATS
SECTION AT PIER 8 EB**
N.T.S.

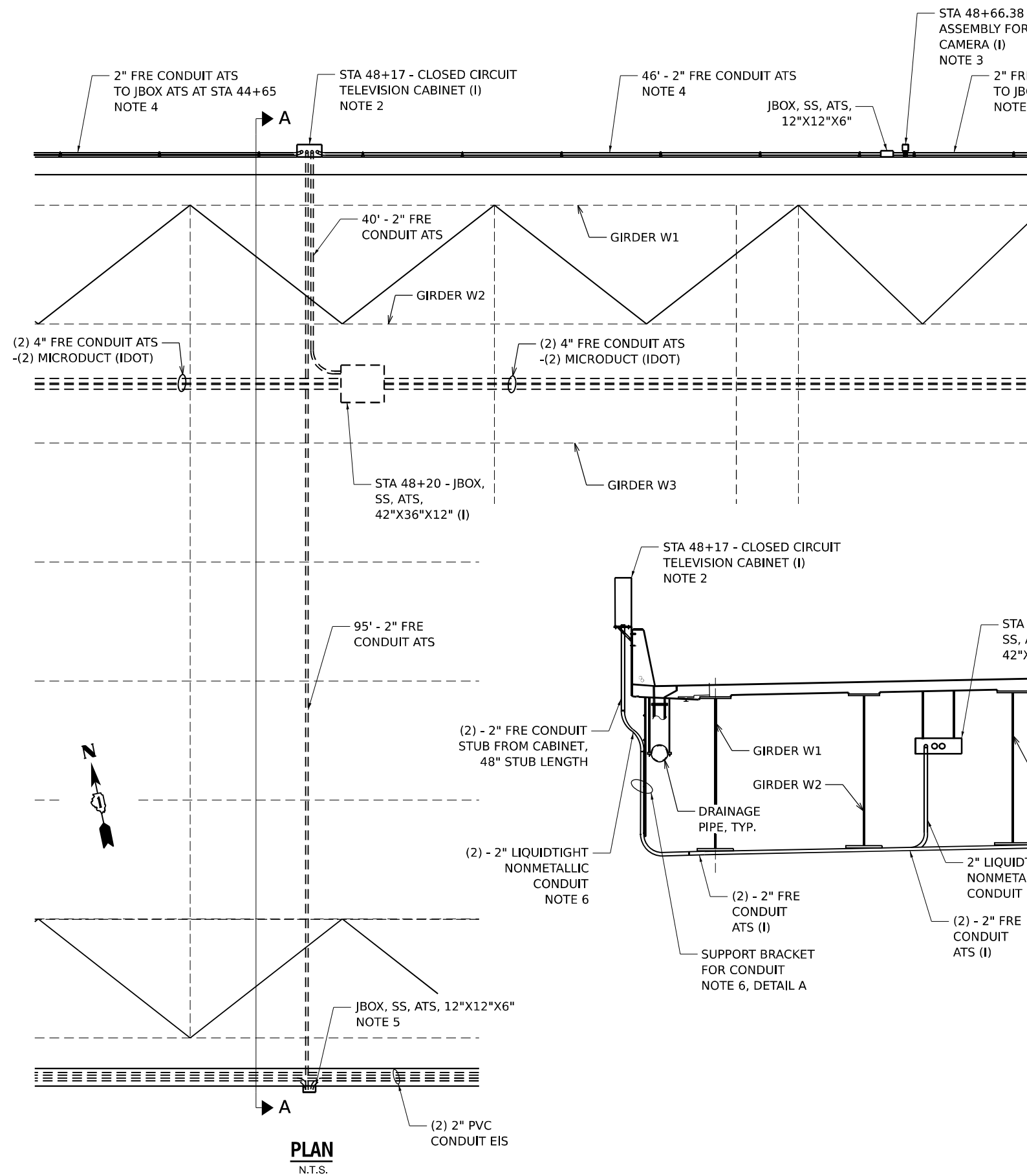
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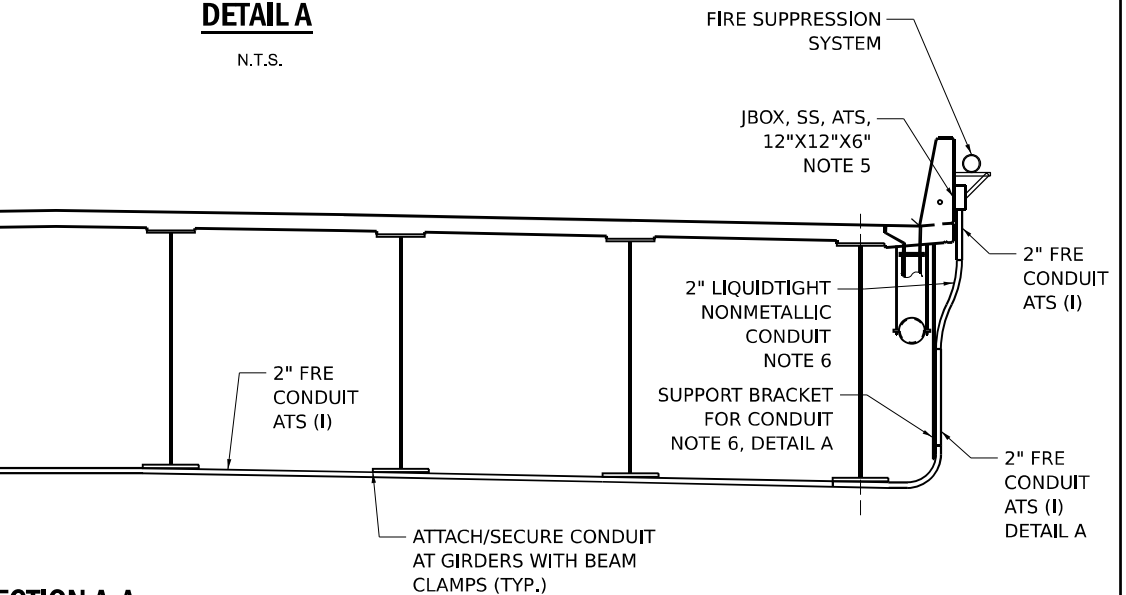
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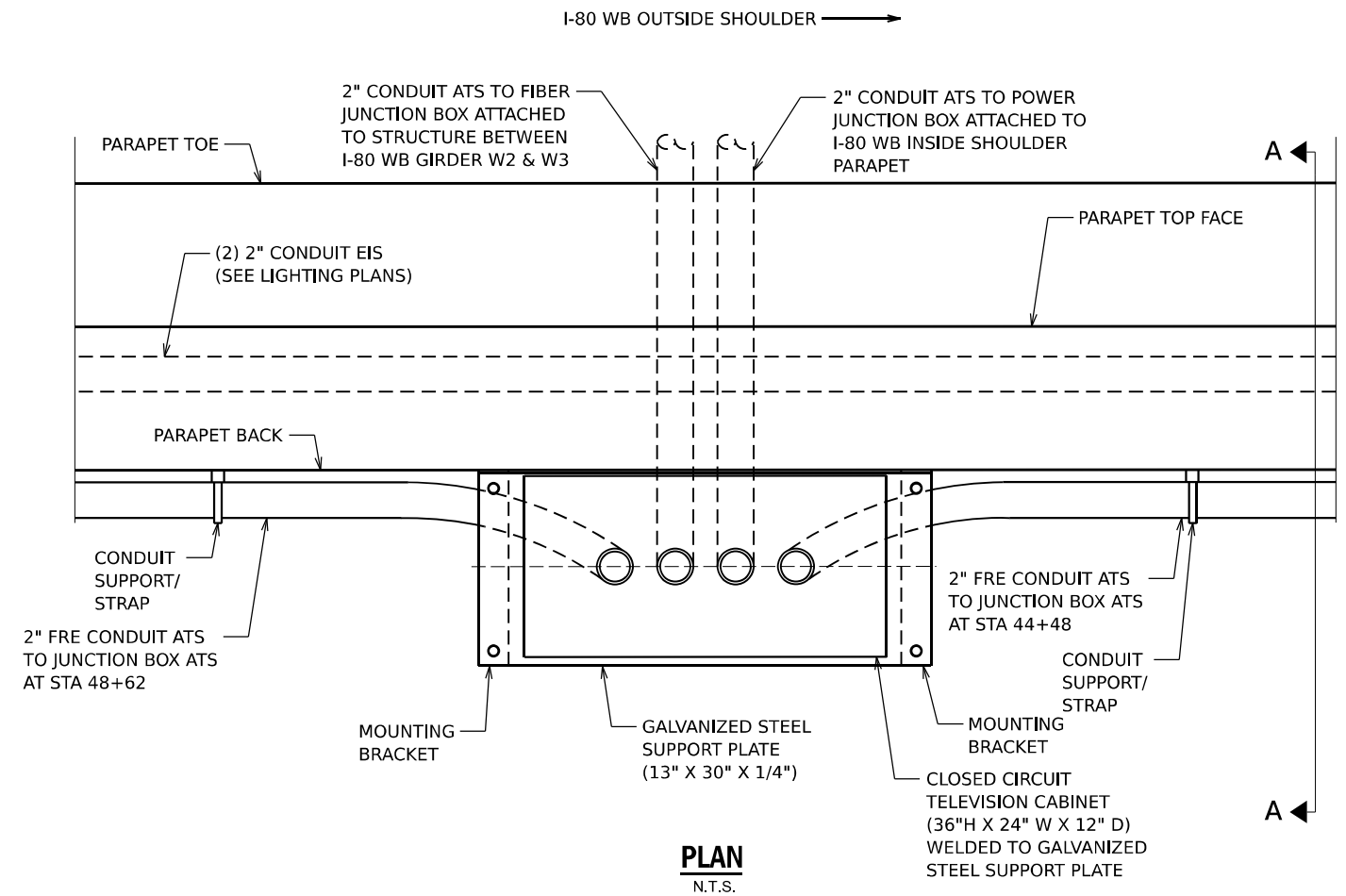
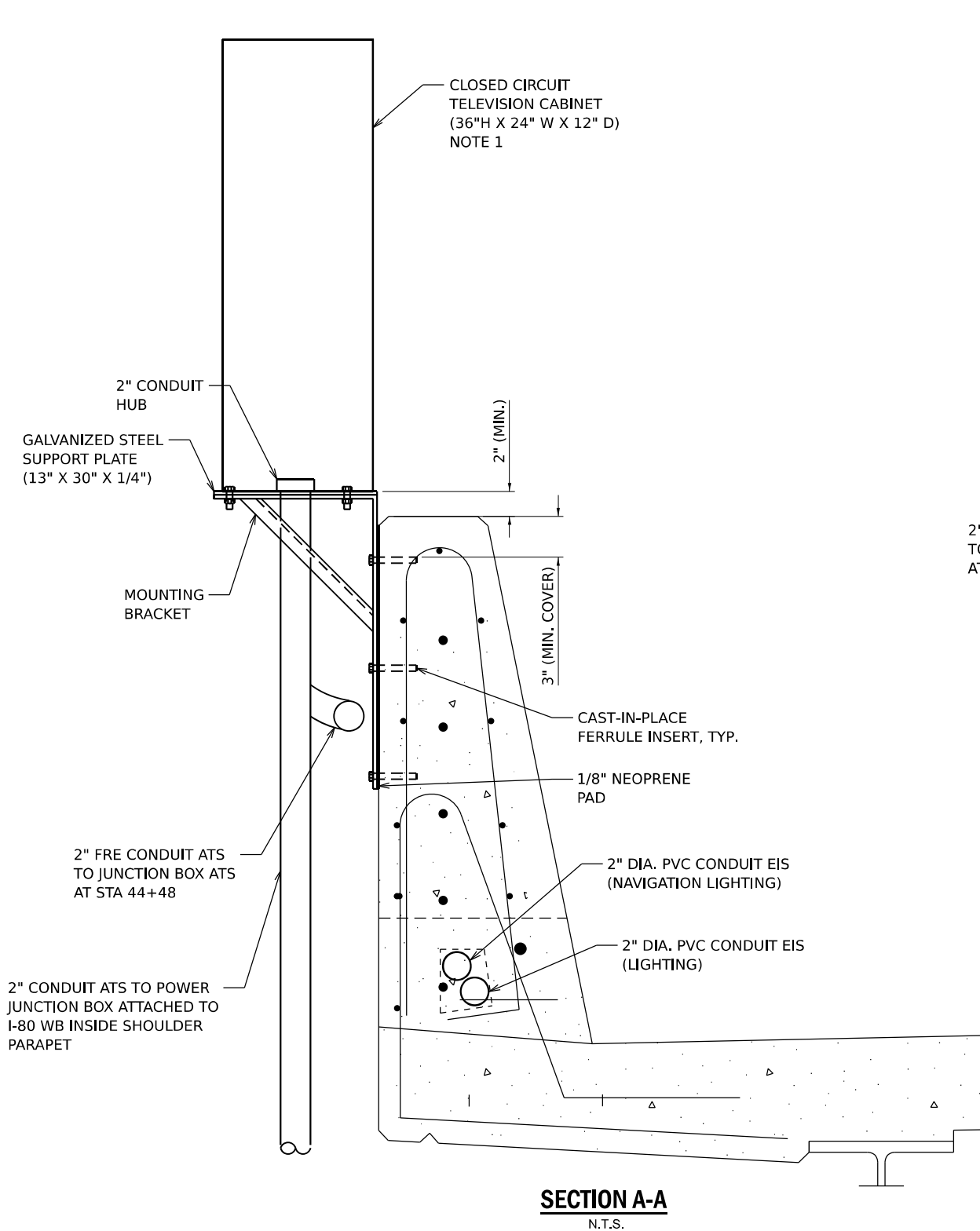


1. STRUCTURAL ELEMENTS ARE SHOWN FOR REFERENCE ONLY WITH RESPECT TO ITS CONDUIT ATTACHED TO STRUCTURE. REFER TO STRUCTURAL PLANS.
2. REFER TO LIGHTING PLANS FOR FURTHER DETAIL ON 12"x12"x6" JUNCTION BOX AND 2" PVC CONDUIT EMBEDDED IN PARAPET. ITS POWER CONDUITS SHALL CONNECT TO SPARE LIGHTING JBOX/CONDUIT EIS SYSTEM ON BRIDGE.
3. CONDUIT SUPPORTS AT PIER 9 SHALL BE SPACED AT A MAXIMUM OF 8'-0".
4. LIQUIDTIGHT NONMETALLIC CONDUIT SHALL BE SUPPORTED A MINIMUM OF 12" FROM ATTACHMENT TO FRE CONDUIT AND A MINIMUM OF EVERY 3' ALONG THE CONDUIT. LIQUIDTIGHT CONDUIT AND CONDUIT SUPPORT SYSTEM SHALL BE INCLUDED IN THE COST OF THE 2" FRE CONDUIT ATTACHED TO STRUCTURE.



- N.T.S.





NOTES

- CABINET SHALL BE INSTALLED WITH VERTICAL HINGE AND SUCH THAT THE DOOR OPENS TOWARDS I-80 FOR MAINTENANCE ACCESS FROM THE I-80 WB SHOULDER.

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ATLAS
ATLAS TECHNICAL CONSULTANTS, LLC
100 S. WACKER DRIVE, SUITE 400
CHICAGO, IL 60606

USER NAME	= dmeter	DESIGNED -	DJM	REVISED -	
		DRAWN -	DJM	REVISED -	
PLOT SCALE	= 2,000' / in.	CHECKED -	REL	REVISED -	
PLOT DATE	= 11/5/2025	DATE	= 11/7/2025	REVISED -	

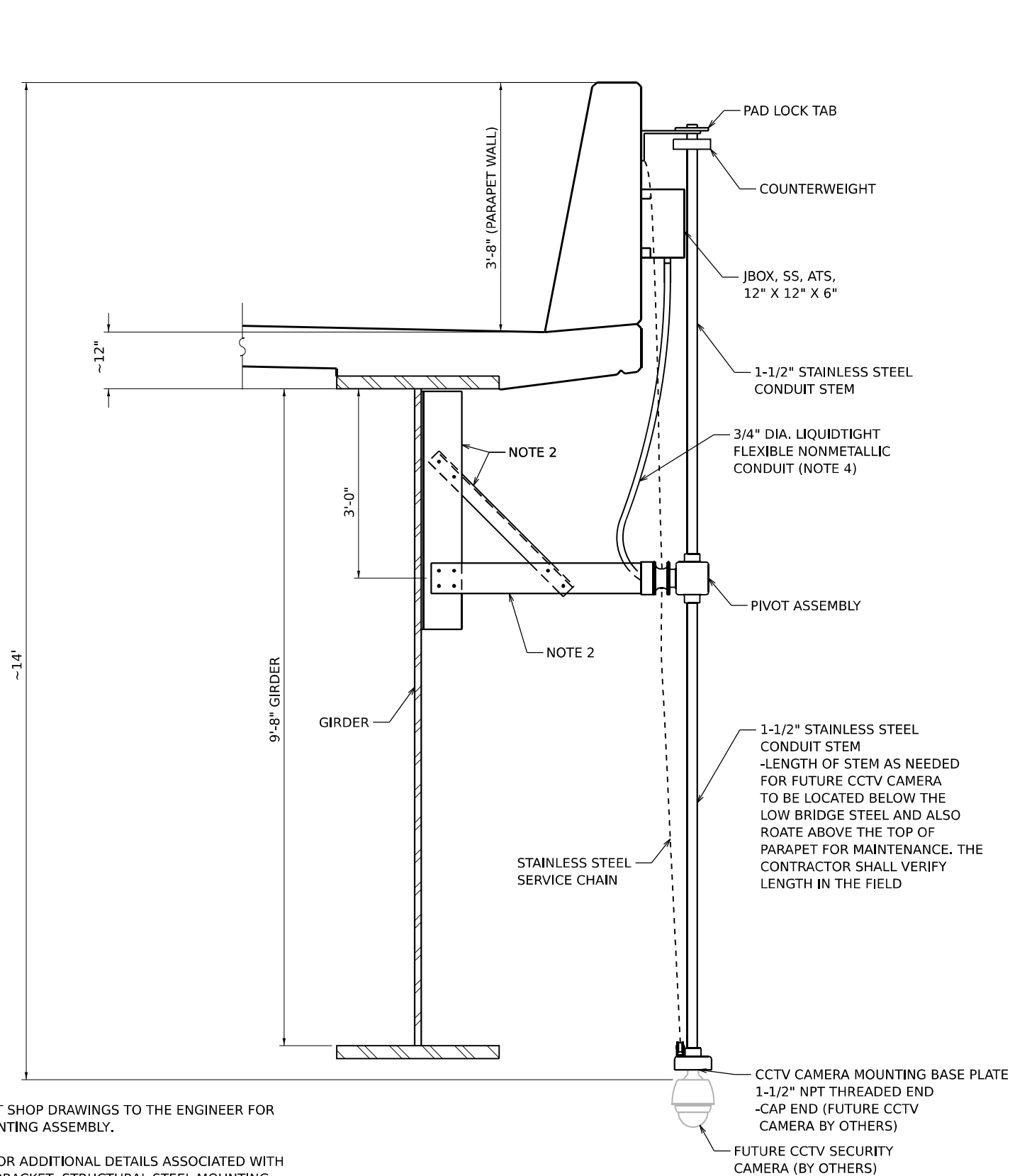
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS INFRASTRUCTURE DETAILS
CLOSED CIRCUIT TELEVISION CABINET

SCALE: NTS SHEET 36 OF 41 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	576
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

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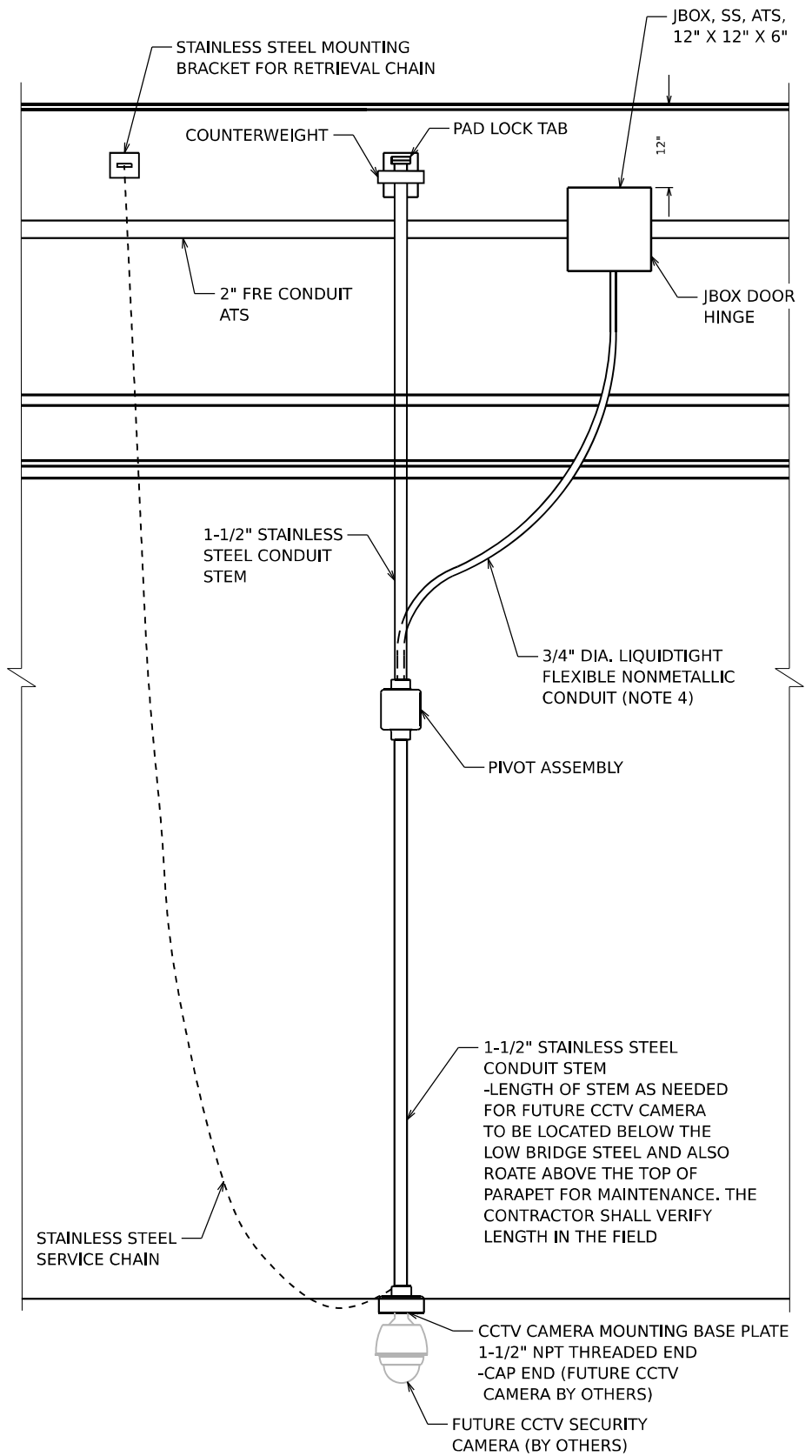


NOTES

1. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL OF THE CAMERA MOUNTING ASSEMBLY.
2. REFER TO STRUCTURAL PLANS FOR ADDITIONAL DETAILS ASSOCIATED WITH STRUCTURAL STEEL MOUNTING BRACKET. STRUCTURAL STEEL MOUNTING BRACKET IS INCLUDED IN THE COST OF THE CAMERA MOUNTING ASSEMBLY.
3. BOTTOM OF MOUNT FOR FUTURE CCTV CAMERA SHALL BE AT THE SAME ELEVATION AS THE BOTTOM OF THE ADJACENT GIRDER.
4. LIQUID-TIGHT CONDUIT FROM THE JUNCTION BOX TO THE CAMERA MOUNTING ASSEMBLY SHALL BE INCLUDED IN THE COST OF THE CAMERA MOUNTING ASSEMBLY.

CAMERA MOUNTING ASSEMBLY SECTION VIEW

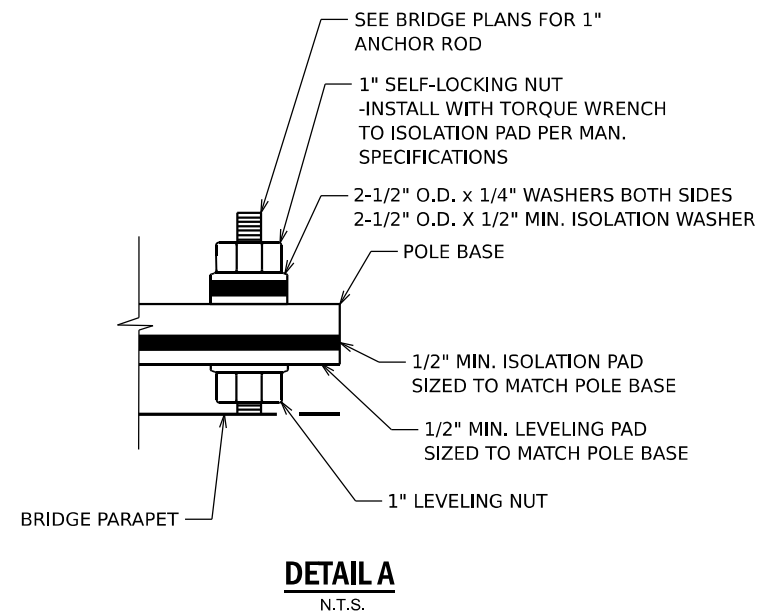
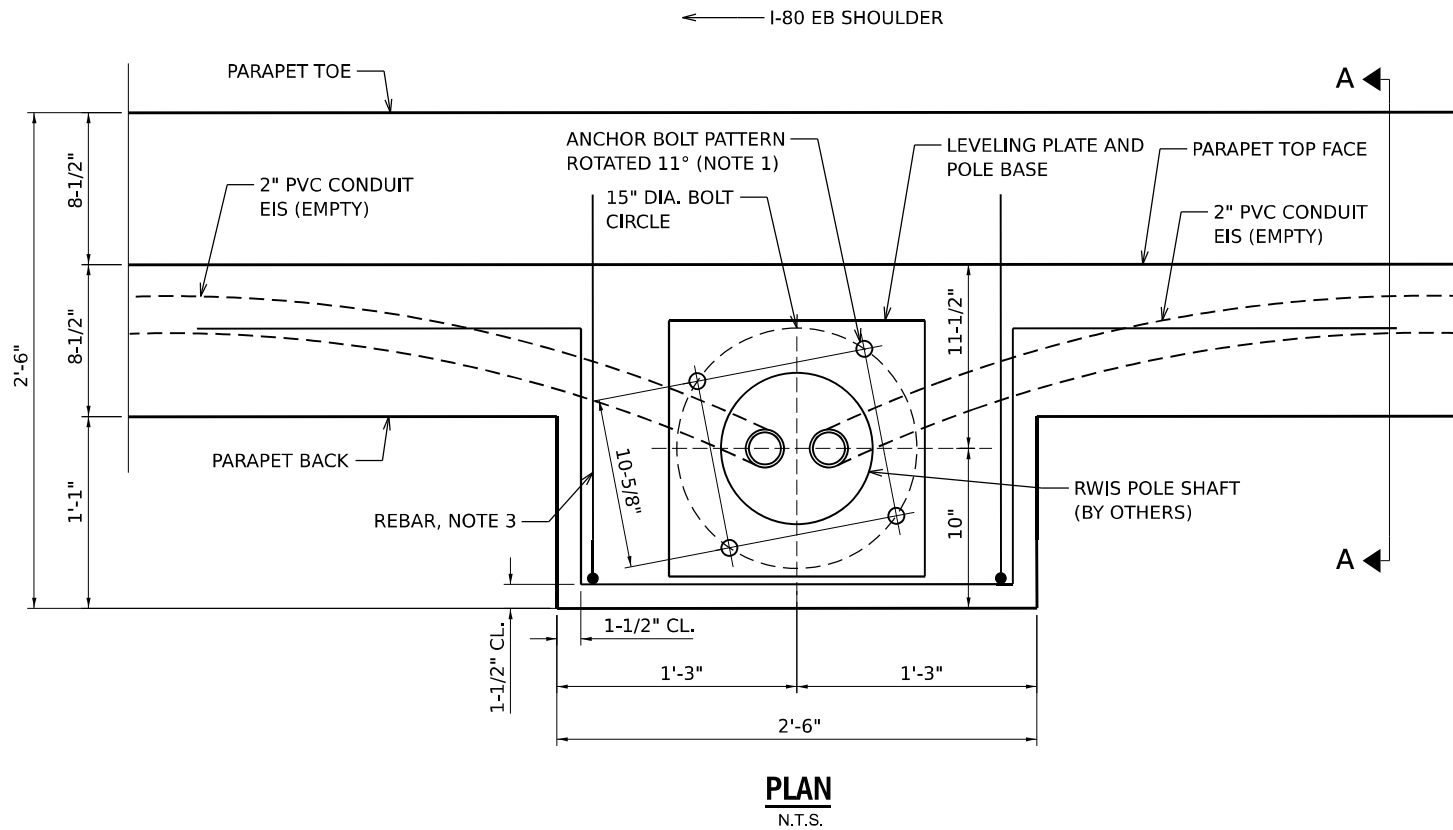
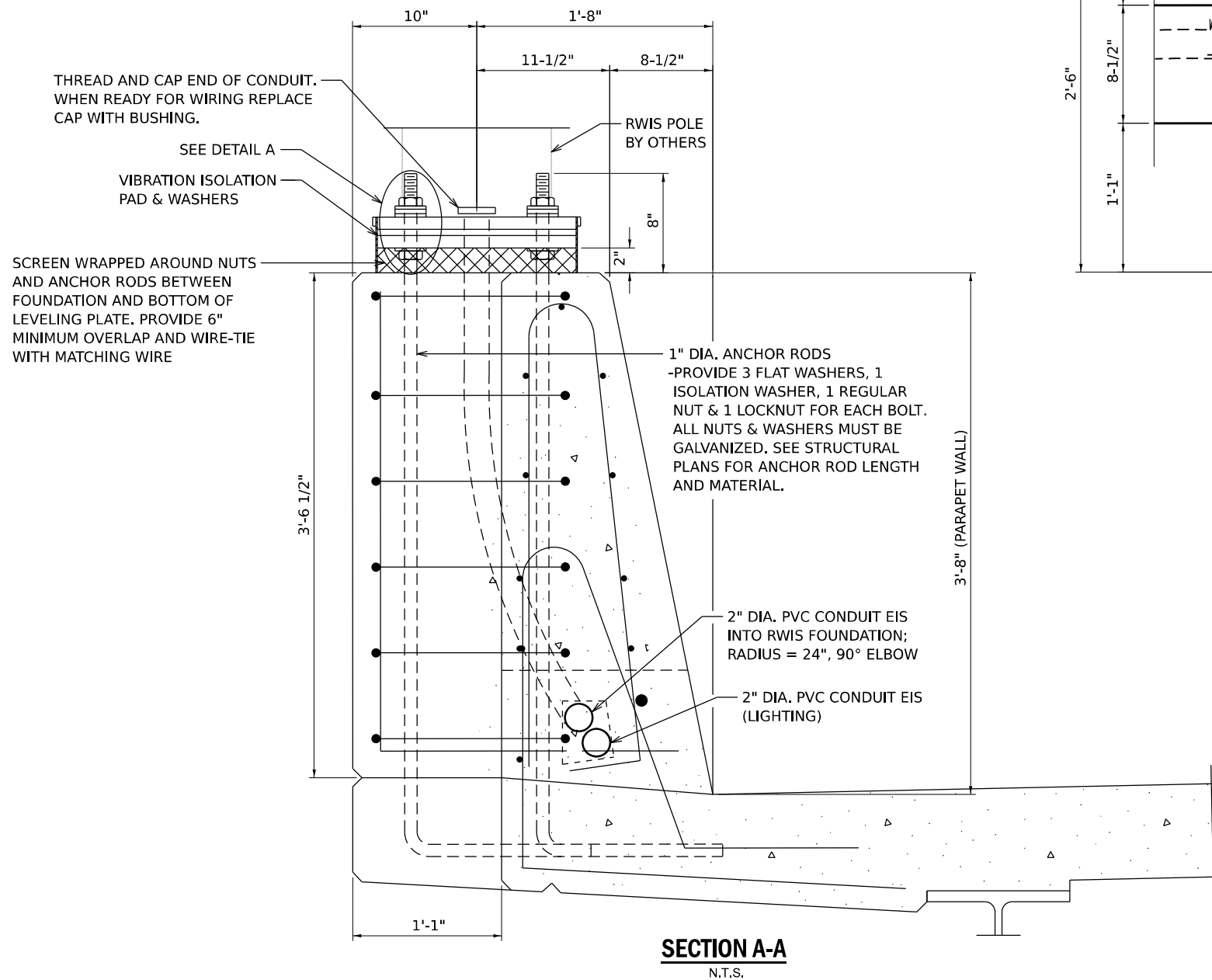
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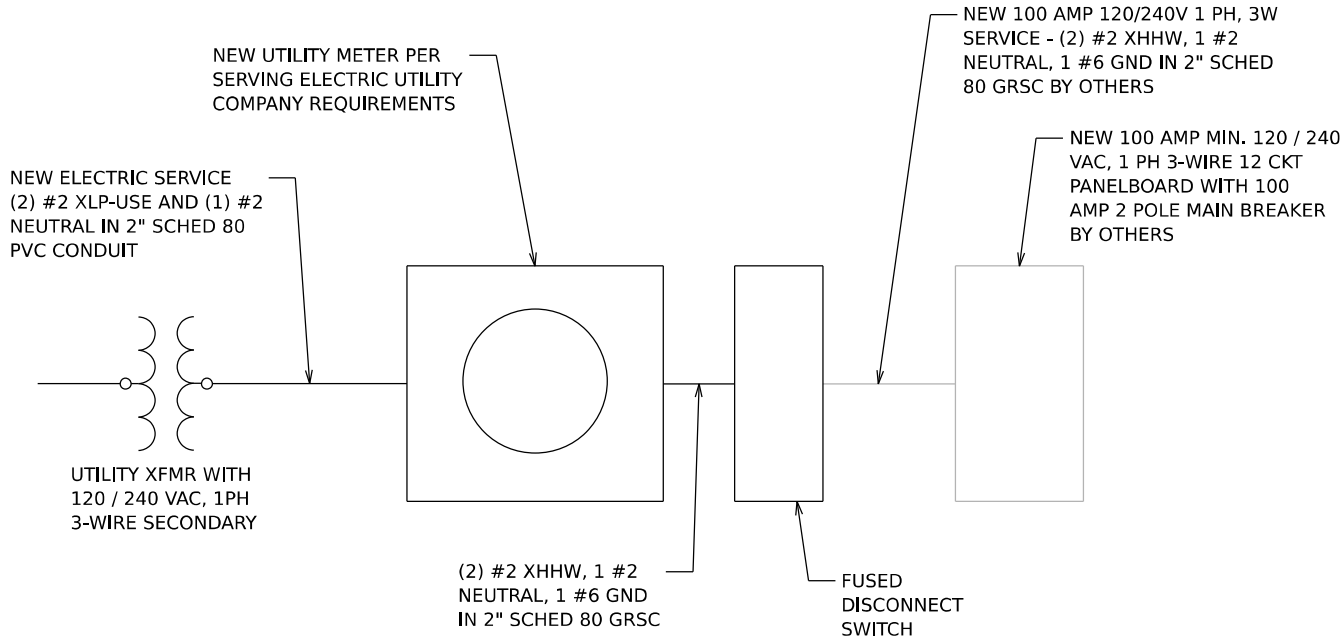
CAMERA MOUNTING ASSEMBLY ELEVATION VIEW

N.T.S.

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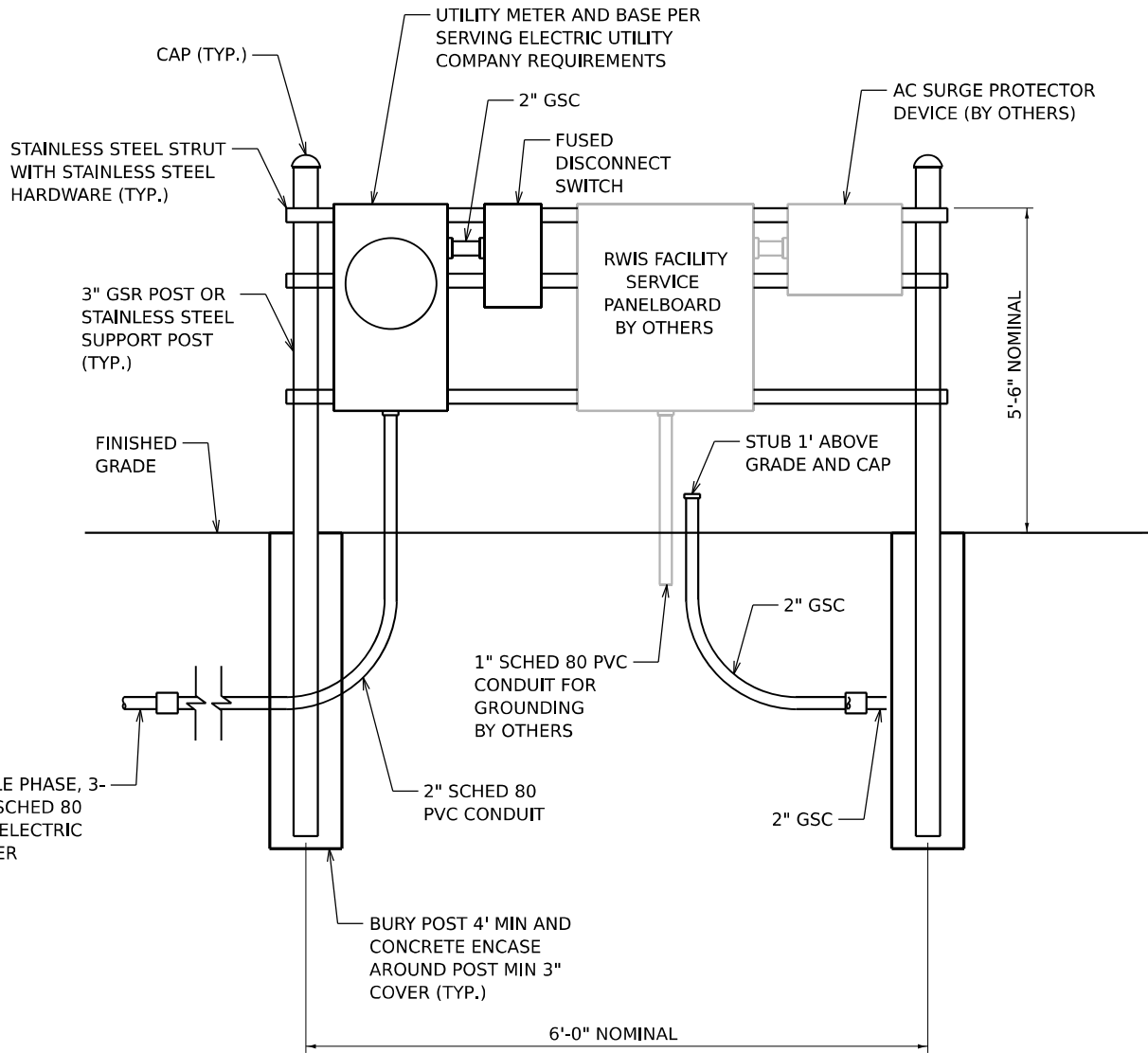
- NOTES**
1. ANCHOR BOLT PATTERN SHALL BE ROTATED BY 11° TO ALLOW RWIS POLE (BY OTHERS) TO FOLD DOWN INTO THE SHOULDER FOR MAINTENANCE.
 2. THE COST OF ANCHOR RODS IS INCLUDED WITH CONCRETE SUPERSTRUCTURE.
 3. SEE STRUCTURAL PLANS FOR ANCHOR ROD AND REBAR DETAILS.



RWIS ELECTRIC SERVICE ONE-LINE DIAGRAM
N.T.S.

NOTES

1. VERIFY EXISTING CONDITIONS. MAINTAIN SAFETY OF PERSONNEL AT THE PROJECT SITE AND WORKING AT THE SITE. REPORT ANY DAMAGED OR NON-FUNCTIONING EQUIPMENT TO THE OWNER'S REPRESENTATIVE.
2. ALL WORK, POWER OUTAGES, AND/OR SHUT DOWN OF EXISTING SYSTEMS SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE. ONCE SHUT DOWN, THE CIRCUITS SHALL BE LABELED AS SUCH TO PREVENT ACCIDENTAL ENERGIZING OF THE RESPECTIVE CIRCUITS. ALL PERSONNLE SHALL FOLLOW U.S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) 29 CFR PART 1910 POCCUPATIONAL SAFETY & HEALTH STANDARDS FOR ELECTRICAL SAFETY AND LOCKOUT/TAGOUT PROCEDURES INCLUDING, BUT NOT LIMITED TO, 29 CFR SECTION 1910.147 THE CONTROL OF HAZARDOUS ENGERGY (LOCKOUT/TAGOUT).
3. ALL ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 70 - NATIONAL ELECTRICAL CODE (NEW) MOST CURRENT ISSUE IN FORCE, THE RESPECTIVE EQUIPMENT MANUFACTURER'S DIRECTIONS AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES AND REQUIREMENTS IN FORCE. ANY INSTALLATIONS WHICH VOID THE U.L. LISTING, ETL/INTERTEK TESTING SERVICES VERIFICATION LISTING, (OR OTHER THIRD PARTY LISTING) AND/OR THE MANUFACTURER'S WARRANTY OF A DEVICE WILL NOT BE PERMITTED.
4. PROVIDE ADEQUATE CLEARANCE TO WORK AROUND AND OPERATE EQUIPMENT AND COMPLY WITH NATIONAL ELECTRICAL CODE 110.26 SPACES ABOUT ELECTRICAL EQUIPMENT.
5. COORDINATE ELECTRIC SERVICE WITH THE REPRESENTATIVE ELECTRIC UTILITY COMPANY AND VERIFY THEIR REQUIREMENTS.
6. ALL CONDUCTORS/WIRING SHALL BE COPPER.
7. CONCRETE SHALL BE 4,000 PSI AT 28 DAYS. CONCRETE MIX DESIGN SHALL BE APPROVED BY IDOT.
8. COORDINATE WITH IDOT RWIS INSTALLER.
9. UNLESS OTHERWISE INDICATED, ALL ITEMS AND WORK SHOWN SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
10. THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY/CONDUCTORS AND CONDUIT TO POWER HANDHOLE SHALL BE MEASURED SEPARATELY FOR PAYMENT.



RWIS ELECTRIC SERVICE PANEL ELEVATION DETAIL
N.T.S.

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	DRAWN - DJM	REVISED -
PLOT SCALE = 2,000' = 1 in.	CHECKED - REL	REVISED -
PLOT DATE = 11/5/2025	DATE - 11/7/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

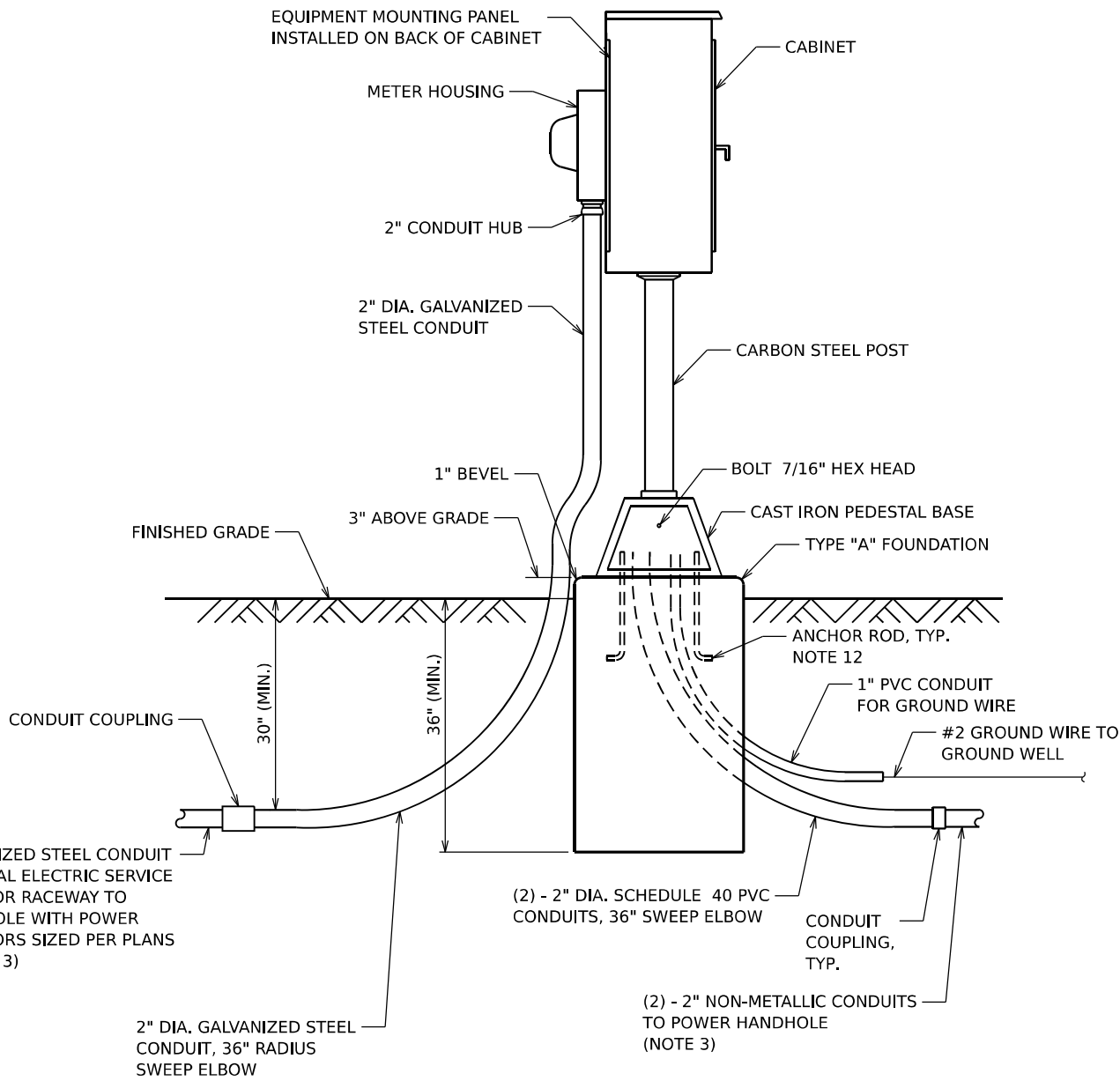
RWIS ELECTRIC SERVICE METER DETAIL

SCALE: NTS SHEET 39 OF 41 SHEETS STA. TO STA.

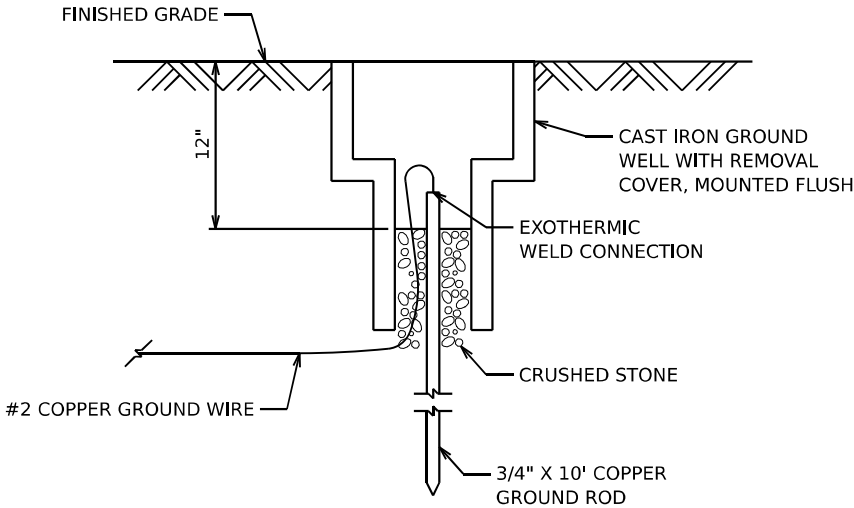
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	579
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

NOTES

1. SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
2. UNLESS OTHERWISE INDICATED, ALL ITEMS AND WORK SHOWN SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
3. THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY/CONDUCTORS AND NON-METALLIC CONDUITS TO POWER HANDHOLE SHALL BE MEASURED SEPARATELY FOR PAYMENT.
4. CABINETS, CABINET POSTS AND CABINET PEDESTALS SHALL BE PRIMED AND PAINTED. THE EXTERIOR SHALL HAVE TWO EPOXY FINISH COATS OF ANSI-61 GRAY. THE INTERIOR SHALL BE PAINTED WHITE.
5. METER HOUSING SHALL BE MOUNTED TO BACK WALL OF CABINET. PROVIDE A GATE IN ROW FENCE TO ALLOW UTILITY ACCESS TO READ THE METER.
6. CABLES FROM METER HOUSING SHALL PASS THROUGH BACK WALL OF CABINET.
7. METER HOUSING SHALL BE AS REQUIRED BY THE UTILITY.
8. THE CABINET SHALL BE 36"H X 20"W X 15"D, FABRICATED FROM ALUMINUM WITH A MINIMUM THICKNESS OF .125", RATED NEMA TYPE 3R AND HAVE A MOUNTING BACK PLATE.
9. THE CABINET DOOR SHALL HAVE A CONTINUOUS HINGE THAT IS BOLTED TO THE CABINET AND DOOR WITH 1/4-20 STAINLESS STEEL CARRIAGE BOLTS AND NY-LOCK NUTS. THE HINGE SHALL BE INSTALLED ON THE RIGHT SIDE WHEN FACING THE CABINET AND BE MADE OF STAINLESS STEEL WITH A 0.25 INCH DIAMETER STAINLESS STEEL HINGE PIN. THE HINGE PIN SHALL BE CAPPED TOP AND BOTTOM BY WELD TO RENDER IT TAMPER-PROOF. THE CABINET SHALL HAVE A GASKET THAT FORMS A WEATHER-TIGHT SEAL BETWEEN THE CABINET AND DOOR. THE DOOR LATCHING MECHANISM SHALL BE THE 3-POINT DRAW ROLLER TYPE. WHEN THE DOOR IS CLOSED AND LATCHED, IT WILL BE LOCKED. THE LATCHING HANDLE SHALL BE FABRICATED FROM A 0.75" STAINLESS STEEL ROUND BAR AND SHALL HAVE A PROVISION FOR PADLOCKING IN THE CLOSED POSITION.
10. THE ENCLOSURE SHALL BE EQUIPPED WITH TWO ADJUSTABLE "C" MOUNTING CHANNELS WELDED ON BOTH SIDE WALLS AND BACK WALL OF THE ENCLOSURE, ALLOWING VERSATILE POSITIONING OF SHELVES OR PANELS. MOUNTING CHANNELS SHALL BE FACTORY PAINTED SAME COLOR AS INTERIOR OF CABINET.
11. CABINET DOOR SHALL NOT HAVE COMPARTMENT DOORS OR LOUVERS. INTERIOR OF CABINET DOOR SHALL HAVE A PLASTIC POCKET FOR WIRING SCHEMATIC.
12. CONTRACTOR MUST COORDINATE WITH PEDESTAL BASE SUPPLIER AND FURNISH THE NECESSARY ANCHOR RODS.
13. THE ELECTRIC SERVICE EQUIPMENT ASSEMBLY SHALL BE ASSEMBLED BY A UL 508A INDUSTRIAL CONTROL PANEL FABRICATOR. THE PANEL ASSEMBLY SHALL BE UL LABELED AND SUITABLE FOR USE AS SERVICE EQUIPMENT.
14. ALL EQUIPMENT SHALL BE GROUNDED AND BONDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND THE NATIONAL ELECTRICAL SAFETY CODE.
15. PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRCTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY. FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.



SERVICE PEDESTAL WITH METER



GROUND WELL DETAIL

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ATLAS
TECHNICAL CONSULTANTS, LLC
100 S. WACKER DRIVE, SUITE 400
CHICAGO, IL 60606

USER NAME = dmeter

PLOT SCALE = 2,000' = 1 in.

PLOT DATE = 11/5/2025

DESIGNED - DJM

DRAWN - DJM

CHECKED - REL

DATE - 11/7/2025

REVISED -

REVISED -

REVISED -

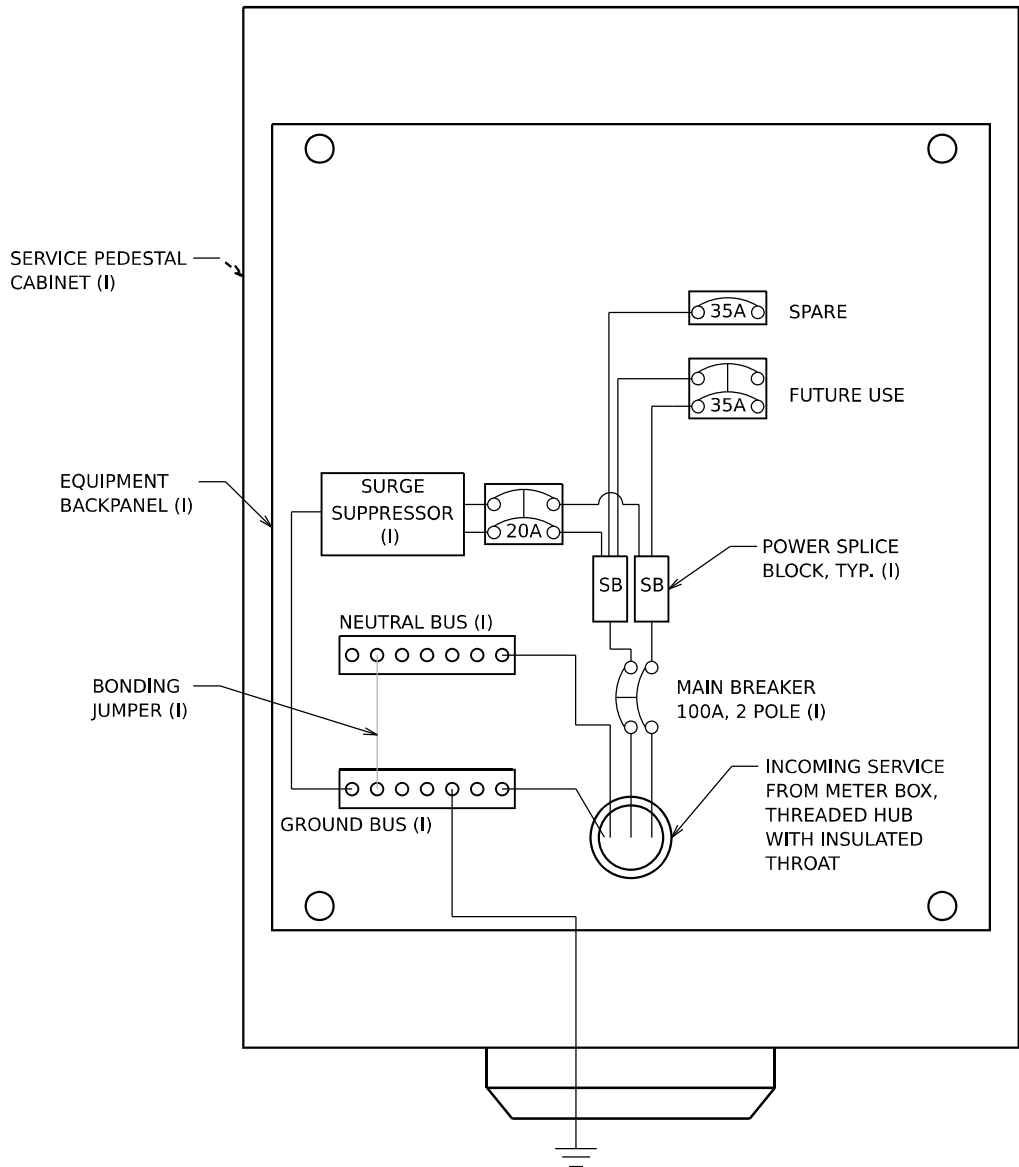
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS CAMERA SERVICE METER PEDESTAL DETAIL

SCALE: NTS SHEET 40 OF 41 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	580
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



ITS CAMERA SERVICE PEDESTAL CABINET WIRING
240/120V, 1PH

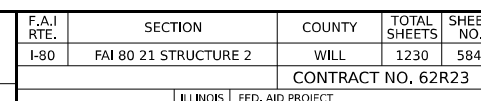
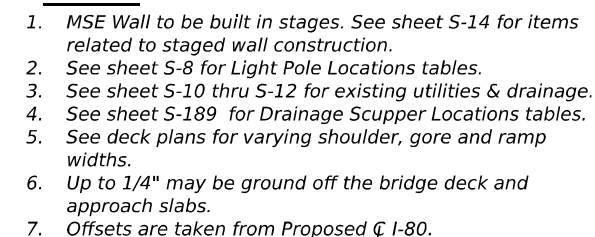
NOTES

1. THE ELECTRIC SERVICE EQUIPMENT ASSEMBLY SHALL BE UL LABELED, SUITABLE FOR USE AS SERVICE EQUIPMENT.
2. CIRCUIT BREAKERS SHALL BE THERMAL MAGNETIC BOLT-ON TYPE WITH A MINIMUM INTERRUPTING CAPACITY OF 10,000 SYMETRICAL AMPERES AT 240V LINE TO LINE SERVICE OR 14,0000 AT 480V RATED AT LINE TO LINE SERVICE. THEY SHALL BE LOCKABLE IN THE "OFF" POSITION FOR COMPLIANCE WITH OSHA LOCK-OUT/TAG-OUT REQUIREMENTS. HANDLES SHALL BE TRIP FREE.
3. THE SURGE PROTECTOR SHALL BE SUITABLE FOR THE INCOMING SINGLE PHASE 60HZ AC ELECTRICAL SERVICE, WITH A SURGE CURRENT RATING OF 50,00 AMPS OR BETTER, RATED -40 TO 65 DEGREES C., WITH LED OPERATING IDICATORS, AND SHALL BE UL LISTED PER UL 1449. SURGE PROTECTOR SHALL BE WIRED FOR THE INCOMING SERVICE VOLTAGE. FOLLOW MANUFACTURER RECOMMENDED WIRING SPECIFICATIONS.
4. BUS BARS, CONNECTORS AND LUGS SHALL BE COPPER, INSULATED AND ISOLATED AND CONFIGURED TO PREVENT SHORTED CONDITIONS FROM TIGHTENING TERMINATIONS, ETC. THE OVERALL BUS SECTION SHALL BE CONFIGURED BEHIND AN INSULATING BARRIER SHIELD WHICH IS REMOVABLE FOR ACCESS TO CONNECTIONS.
5. A PLASTIC LAMINATED CABINET LAYOUT DIAGRAM, CIRCUIT SCHEMATIC, AND BILL OF MATERIALS WITH CATALOG NUMBERS USED SHALL BE AFFIXED TO THE INTERIOR SIDE OF THE ENCLOSURE DOOR.
6. EQUIPMENT IN DIAGRAMS ABOVE ARE NOT TO SCALE AND WIRING SCHEMATIC IS DIAGRAMMATIC. CONTRACTOR TO SUBMIT WIRING DIAGRAM AND EQUIPMENT LAYOUT FOR APPROVAL BY THE ENGINEER.

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PLOT DATE	= 11/5/2025	DATE	= 11/7/2025	REVISED -	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 STRUCTURE 2	WILL	1230	581
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



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INDEX OF SHEETS

S-1	Key Plan
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S-3	General Plan and Elevation - Units 3 & 4
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S-5 to S-6	General Notes
S-7	Total Bill of Material
S-8 to S-9	General Data
S-10 to S-12	Substructure Layout
S-13 to S-16	Existing Structure Removal
S-17	Temporary Soil Retention System
S-18	Temporary MSE Wall - West Abutment
S-19	Temporary MSE Wall - East Abutment
S-20	Temporary Concrete Barrier
S-21	Conceptual Steel Erection Plan - Unit 1 WB
S-22	Conceptual Steel Erection Plan - Unit 1 EB
S-23	Conceptual Steel Erection - Unit 1 WB & EB
S-24	Conceptual Steel Erection Plan - Unit 2 WB
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S-29	Top of Slab Elevations Plan - Unit 1 WB
S-30 to S-35	Top of Slab Elevations - Unit 1 WB
S-36	Top of Slab Elevations Plan - Unit 1 EB
S-37 to S-41	Top of Slab Elevations - Unit 1 EB
S-42 to S-43	Top of Slab Elevations Plan - Unit 2 WB
S-44 to S-53	Top of Slab Elevations - Unit 2 WB
S-54 to S-55	Top of Slab Elevations Plan - Unit 2 EB
S-56 to S-65	Top of Slab Elevations - Unit 2 EB
S-66	Top of Slab Elevations Plan - Unit 3 WB
S-67 to S-71	Top of Slab Elevations - Unit 3 WB
S-72 to S-73	Top of Slab Elevations Plan - Unit 3 EB
S-74 to S-75	Top of Slab Elevations - Unit 3 EB
S-76 to S-81	Top of Slab Elevations Plan - Unit 4 WB
S-82 to S-87	Top of Slab Elevations - Unit 4 WB
S-88 to S-89	Top of Slab Elevations Plan - Unit 4 EB
S-90 to S-96	Top of Slab Elevations - Unit 4 EB
S-97	Top of West Approach Slab Elevations - WB
S-98	Top of West Approach Slab Elevations - EB
S-99	Top of East Approach Slab Elevations - WB
S-100	Top of East Approach Slab Elevations - EB
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	<div>WSP USA Inc. 30 N. LA SALLE STREET SUITE 400 CHICAGO, IL 60602 TEL: (312) 782-8150 FAX: (312) 782-1684</div>	USER NAME = USSJ696614	DESIGNED - PSK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS STRUCTURE NUMBER 099-8309 WB AND 099-8325 EB	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - PJL	CHECKED - PJL	REVISED -			I-80	FAI 80 21 STRUCTURE 2	WILL	1230	585
		PLOT SCALE = 0.167" / in.	DRAWN - PSK	REVISED -			CONTRACT NO. 62R23				
		PLOT DATE = 11/5/2025	CHECKED - PJL	REVISED -			ILLINOIS FED. AID PROJECT				

SHEET S-4 OF S-333 SHEETS

GENERAL NOTES

1.

All work shown on these plans related to the fabrication of structural steel and bearings for Units 1 and 2 is for information only and is included in Contract 62W52.
2.

Fasteners shall be ASTM F 3125 Grade A325 Type 1, mechanically galvanized bolts in painted or coated metallized areas. Fasteners shall be ASTM F3125 Grade A325 Type 3 weathering steel bolts in unpainted areas. Bolts ⁷/₈ in. diameter, holes ¹⁵/₁₆ in. diameter, unless otherwise noted.
3.

Calculated weight of structural steel:

a.

M270 Grade 50W

= 1,586,190 Lbs. (Unit 1 WB)

b.

M270 Grade 50W

= 1,373,350 Lbs. (Unit 1 EB)

c.

M270 Grade 50W

= 6,609,970 Lbs. (Unit 2 WB)

d.

M270 Grade HPS 70W

= 818,410 Lbs. (Unit 2 WB)

e.

M270 Grade 50W

= 6,649,260 Lbs. (Unit 2 EB)

f.

M270 Grade HPS 70W

= 818,400 Lbs. (Unit 2 EB)
4.

All structural steel shall be AASHTO M270 Grade 50W except designated flanges over interior piers which shall be AASHTO M270 Grade 70W and expansion bearings which shall be AASHTO M270 Grade 50, and unless otherwise noted in the plans.
5.

No field welding is permitted except as specified in the contract documents.
6.

All structural steel girders, cross-frames, lateral bracing, and exposed surfaces of bearings within a distance of 10 ft. each way from deck joints shall be metallized. See special provision for “Metallizing of Structural Steel.” Fascia beam areas that have received metallizing shall be painted Reddish Brown, Munsell No 2.5YR 3/4, with the exception that the contact area between the girder bottom flange and bearing sole plate shall be metalized only and shall be masked off prior to application of the paint system. Units 1 and 2 only.
7.

Exposed surfaces of bearings not under deck joints shall be painted using the Organic Zinc-Rich/Epoxy/Urethane paint system as specified in Section 506 of the Standard Specifications, unless otherwise noted. The color of the final finish coat shall be gray, Munsell No 5B 7/1. Units 1 and 2 only.
8.

Reinforcement bars designated (E) shall be epoxy coated.
9.

Reinforcement bars designated (S) shall be stainless steel.
10.

If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.
11.

Slipforming of the parapets is not allowed.
12.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
13.

Drains shall be located clear of all diaphragms and lateral bracing.
14.

A film forming Concrete Sealer shall be applied to the horizontal surfaces of the bridge seats of all abutments and Pier 2 WB, Pier 2 EB, Pier 5 WB, Pier 5 EB, Pier 7 WB, and Pier 8 EB. A penetrating Concrete Sealer shall be applied to the exposed vertical surfaces of all abutments including the backwall and front face of abutments and vertical faces of caps at Pier 2 WB, Pier 2 EB, Pier 5 WB, Pier 5EB, Pier 7 WB, and Pier 8 EB. Concrete sealer shall also be applied to all surfaces of the pier cap extensions beyond the outer pier column supporting overhead sign structures. Concrete Sealer shall be applied prior to setting bearings and girders.
15.

The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.

GENERAL NOTES (CONTINUED)

16.

The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR 3704 Floodway Construction permit number allowing permanent construction as shown in the contract plans.
17.

Construction and demolition activities shall be coordinated and approved by the United States Coast Guard (USCG) and the United States Army Corps of Engineers (USACE). No additional compensation or time will be allowed for USCG and USACE restrictions.
18.

Plan dimensions and details relative to the existing structure have been taken from existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
19.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to address the presence of lead on this project.
20.

The erection of the structural steel shall be accomplished by a steel erection contractor or sub-contractor certified as a Certified Structural Steel Erector (ACSE) with Bridge Erection Endorsement by AISC. See special provisions for “Erections of Complex Steel Structures.”
21.

Maintain existing navigation lights on the existing structures. For structures partially removed in this contract, the Contractor is responsible for providing power to the navigation lights at all times according to the special provision for “Removal of Existing Structures.” The cost is included with Removal of Existing Structures.
22.

Due to large volumes of concrete placed in the substructure units of this contract, excessive heat of hydration may be present. The Contractor is alerted that the provisions of Article 1020.15 of the Standard Specifications may apply in these cases.
23.

At structures with precast prestressed concrete beams, the beams may be placed on bearings upon delivery, but the bearings shall be reset after the 60th calendar day after beam casting. A minimum of 60 calendar days between casting of the beam and placing of the concrete deck shall be provided. The cost of repositioning of the beams on the bearings or resetting of bearings shall be included in the contract unit price for “Furnishing and Erecting Precast Prestressed Concrete, IL72” and “Furnishing and Erecting Precast Prestressed Concrete, IL81”.
24.

The Contractor shall submit calculations for lateral stability during shipping, handling, and erection to the Engineer for approval prior to shipping. The calculations shall indicate at a minimum, the shipping support locations, the assumed truck roll axis stiffness, wheel configuration and support heights, the maximum required roadway superelevation along the shipping route, and details of temporary strands or other temporary measures if required. The calculations shall be sealed and signed by an Illinois licensed Structural Engineer and submitted to the Engineer for approval. If temporary strands or other temporary measures for shipping stability are required, this will not constitute a change in scope in addition to “Furnishing and Erecting Precast Prestressed Concrete Beams, IL72” and “Furnishing and Erecting Precast Prestressed Concrete, IL81”.
25.

The Contractor shall measure the initial camber (at release) and measure the final camber (at erection). The measured values shall be shown on the shop drawings and shall be compared to the values shown in the contract documents and allowable tolerance. The Contractor shall verify beam camber to ensure deck plan thickness and minimum fillet are maintained. Camber values within the tolerance limits but differing from the contract plan values shall be reported to the Engineer for approval.

GENERAL NOTES (CONTINUED)

26.

In addition to the coffercell requirements in the special provisions, the Contractor shall furnish, install, provide temporary power, and subsequently remove one 180 degree red navigation light on the upstream and downstream sides of the coffercell locations 1, 2, 3 and 4. The cost is included in each of the “Coffercell (Location – 1, 2, 3, 4)” pay items.
27.

The longitudinal limits of protective shield on the existing WB I-80 structure are from the  Pier 1 to  Pier 3 and from the  Pier 25 to  Pier 26. The transverse limits of the protective shield are as described in the standard specifications.
28.

The Contractor shall coordinate the requirements of the ITS fiber optic conduits, supports and expansion fittings with the ITS Plans.
29.

A Remote Weather Information System (RWIS) pole is located on the Unit 4 EB parapet. Three (3) ITS camera mounts are attached to brackets on the Unit 2 WB structural steel. See ITS Plans for details.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES 1
STRUCTURE NUMBER 099-8309 WB AND 099-8325 EB

SHEET S-5 OF S-333 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 2	WILL	1230	586
CONTRACT NO. 62R23				
		ILLINOIS	FED. AID PROJECT	

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USER NAME	= USSJ696614
PLOT SCALE	= 0.167 ' / in.
PLOT DATE	= 11/5/2025

DESIGNED -	PSK
CHECKED -	PJL
DRAWN -	PSK
CHECKED -	PJL

REVISED -	
REVISED -	
REVISED -	
REVISED -	

1. The Contractor shall retain the services of an engineering firm, prequalified in the IDOT consultant selection category of Highway Bridges (Complex), for preparation of the Structural Assessment Report. Contractor's pre-approval shall not be applicable to this project. See Special Provision.

SN 099-0056 (EB)
Inventory: 0.75 (HS 15.0)
Operating: 1.26 (HS 25.2)
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.

4. The Contractor is alerted that the existing I-80 bridges have a super max. load restriction of 174,000 lbs. The Contractor shall contact Geno Koehler at IDOT via email at dot.permitoffice@illinois.gov before submitting to the automated permitting system (ITAP) any permit loads exceeding the 174,000 lbs. limit. After IDOT has been alerted, the Contractor shall fill out the permit application. On the permit application routing page, the Contractor shall enter an origin and the destination SN 099-0057, and then select "Ask the Permit Office for help". The Contractor shall then enter a note on each application requesting an override over the 174,000 lbs. limited structure, including the reason for the override, the documentation of the IDOT approval, and then the route anticipated, if known, to get to the structure.

1. Refer to the CSX Transportation Public Project Information Manual for additional requirements needed for working on/above/adjacent to CSXT. Specific sections that pertain to this project are: Special Provisions for Construction near CSXT Property, Overhead Bridge Criteria, Construction Submission Criteria, Soil and Water Management Policy, and Insurance Requirements for Public Projects.

6. *The Contractor may not use CSXT right-of-way for storage of materials or equipment during construction without prior CSXT approval. The CSXT right-of-way must remain clear for railroad use at all times. Equipment may not be positioned to block the railroad access road, track area or any part of the CSXT right-of-way without prior CSXT approval.*

8. *The Contractor will be required to abide by the provisions of the Agency/CSXT Construction Agreement. Periodically, throughout the project duration, the Contractor will be required to meet, discuss and, if necessary, take immediate action at the discretion of CSXT personnel and/or their authorized Representative, to comply with provisions of that agreement and these specifications*

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES 2

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 2	WILL	1230	587
		CONTRACT NO. 62R23		
ILLINOIS		FED. AID PROJECT		

Location	Station	Offset	Ht. of Parapet (ft)	Ht. of NAW (ft)	Total Ht. (ft)	NAW Weight (k/ft)
Start of NAW B25 (Span 5)	51+04.00	82.42' LT	3.67	2.33	6.00	0.06
☐ Pier 5	52+09.88	82.58' LT	6.00	4.00	10.00	0.10
☐ Pier 6	53+00.65	82.58' LT	6.00	4.00	10.00	0.10
Height Transition	54+00.00	82.78' LT	6.00	6.00	12.00	0.13
☐ Pier 7	55+10.88	83.33' LT	6.00	8.00	14.00	0.18
Height Transition	56+00.00	85.12' LT	6.00	10.00	16.00	0.22
☐ Pier 8	56+64.55	86.41' LT	6.00	10.00	16.00	0.22
Height Transition	57+00.00	87.82' LT	6.00	12.00	18.00	0.25
☐ Pier 9	58+22.96	92.67' LT	6.00	12.00	18.00	0.25
F.F. of E. Abut. Backwall	59+72.28	101.56' LT	6.00	12.00	18.00	0.25
E. End of E. Appr. Slab	60+01.05	103.87' LT	6.00	12.00	18.00	0.25

Location	Station	Offset	Ht. of Parapet (ft)	Ht. of NAW (ft)	Total Ht. (ft)	NAW Weight (k/ft)
Start of NAW B26 (Span 5)	48+84.00	82.42' RT	3.67	2.33	6.00	0.06
☒ Pier 5	51+85.12	82.58' RT	6.00	4.00	10.00	0.10
☒ Pier 6	53+49.87	82.58' RT	6.00	4.00	10.00	0.10
Height Transition	53+68.00	82.77' RT	6.00	6.00	12.00	0.13
Height Transition	53+84.00	82.93' RT	6.00	8.00	14.00	0.18
Height Transition	54+00.00	83.10' RT	6.00	10.00	16.00	0.22
Height Transition	55+00.00	84.12' RT	6.00	12.00	18.00	0.25
☒ Pier 7	55+20.87	84.33' RT	6.00	12.00	18.00	0.25
☒ Pier 8	56+82.12	92.78' RT	6.00	12.00	18.00	0.25
☒ Pier 9	58+42.37	101.47' RT	6.00	12.00	18.00	0.25
F.F. of E. Abut. Backwall	59+94.06	115.26' RT	6.00	12.00	18.00	0.25
E. End of E. Appr. Slab	60+20.89	118.49' RT	6.00	12.00	18.00	0.25

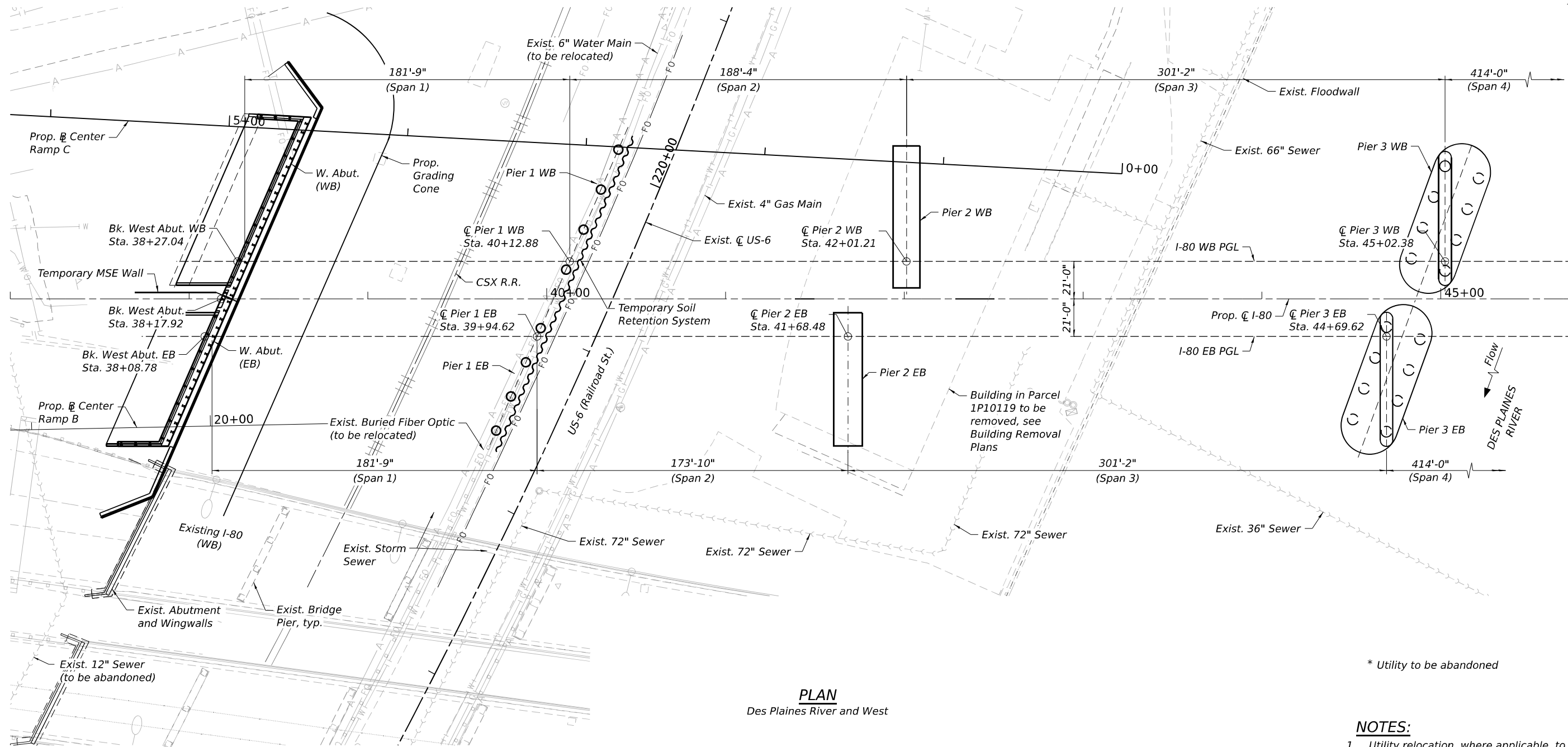
DESIGN LOADS
Strength III or V Wind: 35psf
Service I Wind: 15psf
Traffic Impact per 2020 AASHTO LRFD
Bridge Design Specifications, 9th Edition

NAME PLATE (EB)
See Std. 515001

TOTAL BILL OF MATERIAL
STRUCTURE NUMBER 099-8309 WB AND 099-8325 EB

wsp | WSP USA Inc.
30 N. LASALLE STREET
SUITE 4200
CHICAGO, IL 60602
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FAX: (312) 782-1684

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PLAN
Des Plaines River and West

* Utility to be abandoned

NOTES:

1. Utility relocation, where applicable, to occur prior to start of construction.
2. Local attachments to buildings may be assumed to be abandoned and/or removed, see building demolition contract for more details.

LEGEND

—>—>—>—	Existing Sewer	— T —	Existing Telephone
— W —	Existing Water Main	— A —	Existing Aerial
— G —	Existing Gas Main	—>—	Existing Drainage
— FO —	Existing Fiber Optic	~~~~~	Temporary Soil Retention System
— E —	Existing Electric		



WSP USA Inc.
30 N. LA SALLE STREET
SUITE 4000
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USER NAME	= USSJ696614	DESIGNED -	PSK	REVISED -	
CHECKED -	PJL	REVIS			
PLOT SCALE	= 60,000' / in.	DRAWN -	KA	REVISED -	
PLOT DATE	= 11/5/2025	CHECKED -	PJL	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUBSTRUCTURE LAYOUT 1
STRUCTURE NUMBER 099-8309 WB AND 099-8325 EB**










SHEET 5-10 OF 5-333 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 2	WILL	1230	591
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

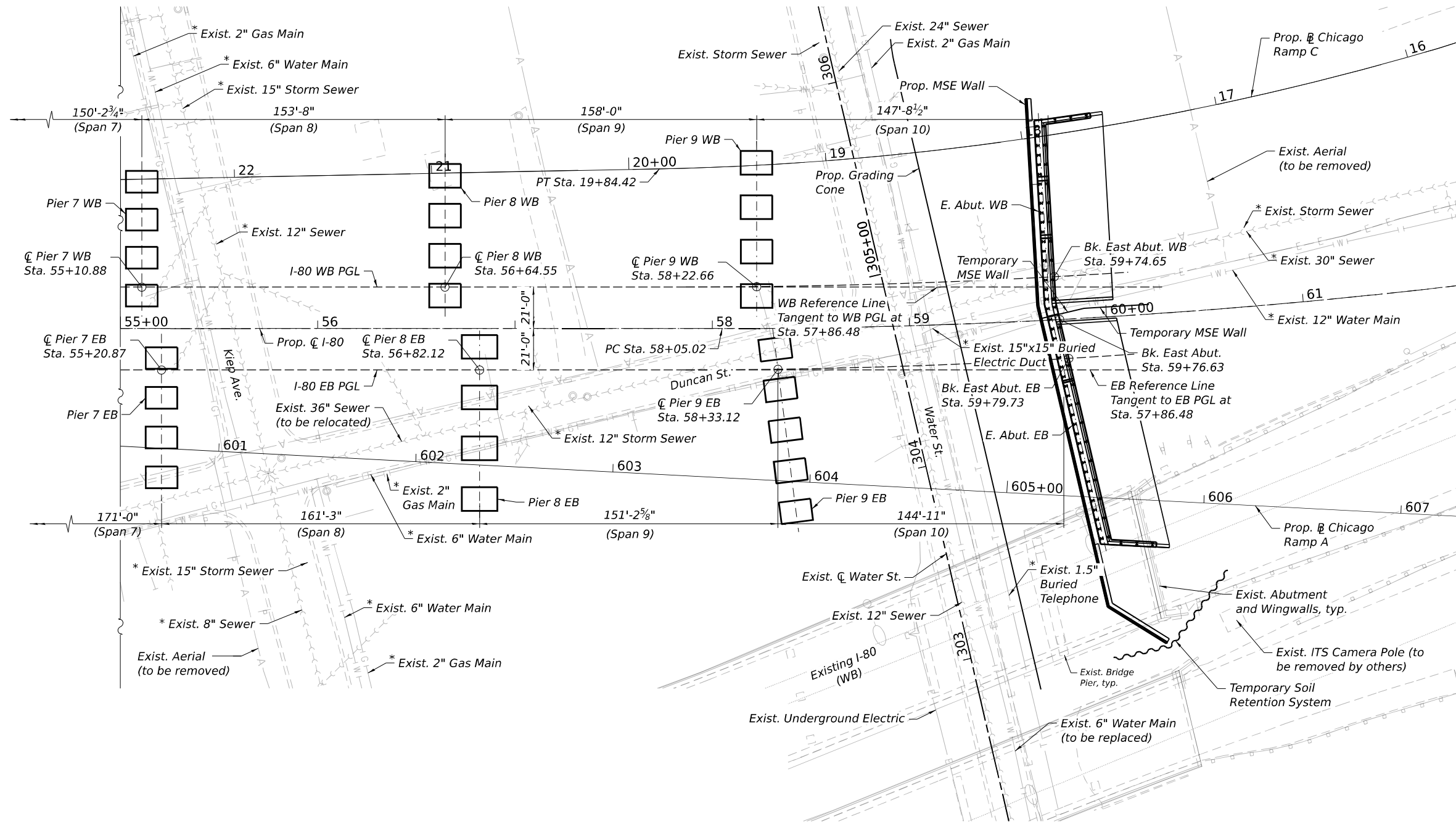


1. *Utility relocation, where applicable, to occur prior to start of construction.*
2. *Local attachments to buildings may be assumed to be abandoned and/or removed, see building demolition contract for more details.*
3. *Existing Duncan Street and portions of Kiep Avenue below the proposed bridge to be removed in the building demolition contract.*

LEGEND

 Existing Sewer
  Existing Telephone
 Existing Water Main
  Existing Aerial
 Existing Gas Main
  Existing Drainage
 Existing Fiber Optic
  Temporary Soil Retention System
 Existing Electric

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PLAN
East End

* Utility to be abandoned

NOTES:

- Utility relocation, where applicable, to occur prior to start of construction.
- Local attachments to buildings may be assumed to be abandoned and/or removed, see building demolition contract for more details.
- Existing Duncan Street and portions of Kiep Avenue below the proposed bridge to be removed in the building demolition contract.

LEGEND

—>—>—>	Existing Sewer	— T —	Existing Telephone
— W —	Existing Water Main	— A —	Existing Aerial
— G —	Existing Gas Main	—>	Existing Drainage
— F —	Existing Fiber Optic	~~~~~	Temporary Soil Retention System
— E —	Existing Electric		



WSP USA Inc.
30 N. LA SALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

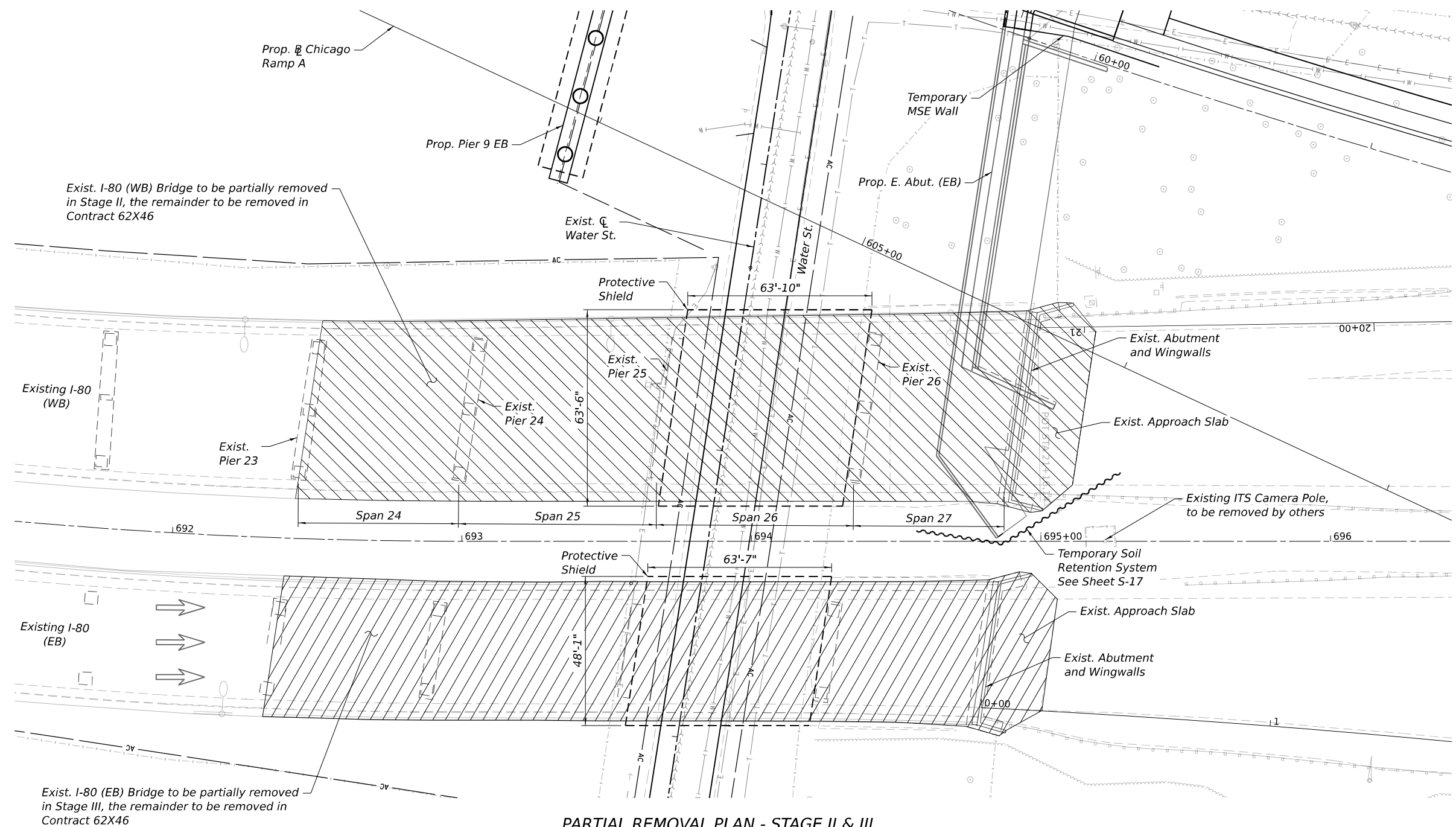
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	CHECKED - PJL	REVISED -
PLOT SCALE = 60,000' / in.	DRAWN - KA	REVISED -
PLOT DATE = 11/5/2025	CHECKED - PJL	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE LAYOUT 3
STRUCTURE NUMBER 099-8309 WB AND 099-8325 EB

SHEET 5-12 OF 5-333 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 2	WILL	1230	593
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				



PARTIAL REMOVAL PLAN - STAGE II & III
(East Spans)

PARTIAL STRUCTURE REMOVAL NOTES - EAST SPANS:

- The existing I-80 WB & EB bridges removed in this contract include the following components:
 - The entire 4-span continuous steel beam-slab superstructures from Span 24 to Span 27
 - The entire east approach slabs
 - The entire Exist. East abutments, including wingwalls
 - The entire Exist. Pier 26
- The remaining portions of the existing WB & EB bridges not removed in this contract are to be removed in Contract 62X46.
- Stage I construction consists of WB proposed bridge, and EB proposed substructure except portions of west and east abutment and MSE wall as shown.
- Remaining portions of the Prop. East Abutment and MSE wall to be built during Stage II construction.

LEGEND

—>—>—>—>	Existing Sewer	—	Existing ROW
—W—	Existing Water Main	—AC—	Existing ROW for Access Control
—G—	Existing Gas Main	---	Proposed ROW
—FO—	Existing Fiber Optic		Permanent Easement
—E—	Existing Electric	➔	Stage II Traffic
—T—	Existing Telephone	▨	Removal of Existing Structures No. 1
—A—	Existing Aerial	▨	Removal of Existing Structures No. 2
—>—	Existing Drainage		

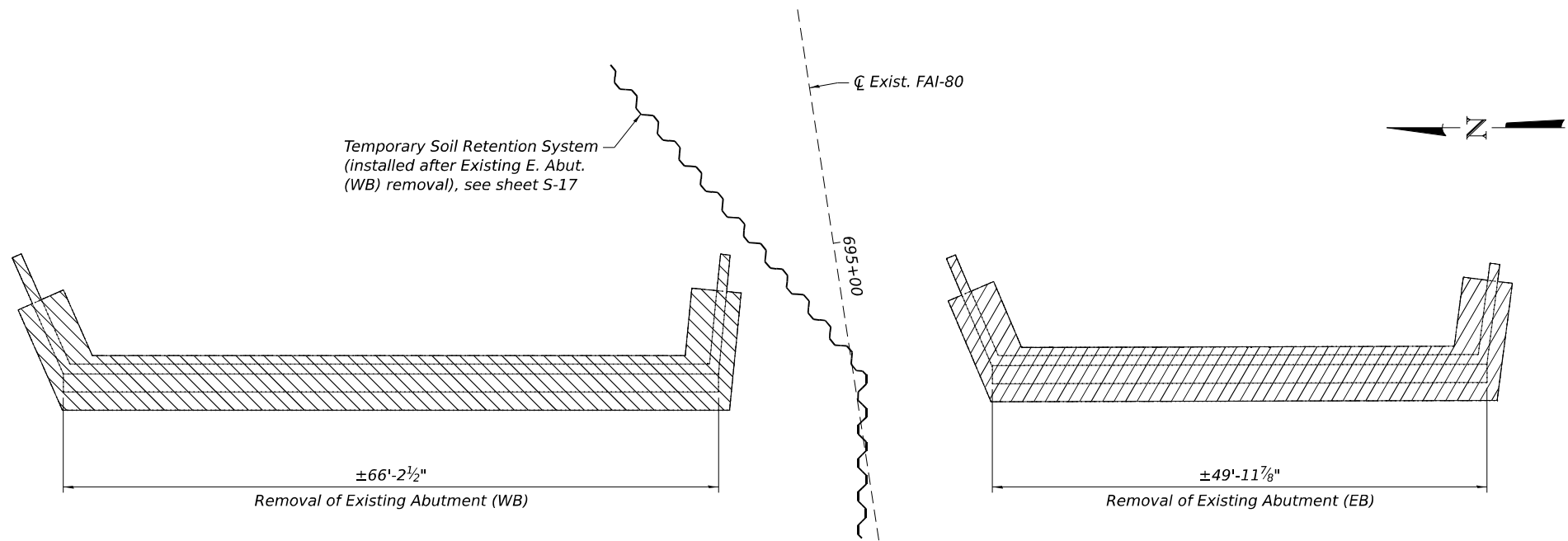
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE REMOVAL 2
STRUCTURE NUMBER 099-8309 WB AND 099-8325 EB

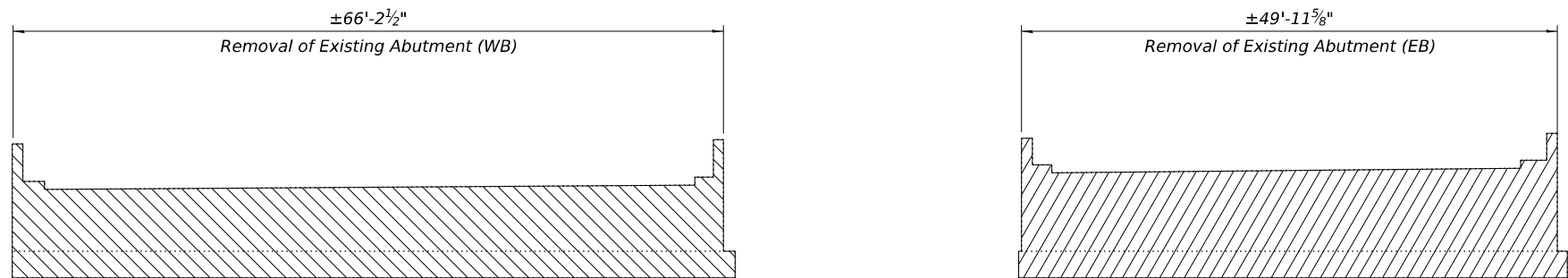
SHEET S-14 OF S-333 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 2	WILL	1230	595
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

USER NAME = USSJ696614	DESIGNED - GM	REVISED -
CHECKED - PJL	REVISOR -	
PLOT SCALE = 40,000' / in.	DRAWN - GM	REVISED -
PLOT DATE = 11/5/2025	CHECKED - PJL	REVISED -



PLAN - EXISTING E. ABUTMENT



ELEVATION - EXISTING E. ABUTMENT
(Looking East)

LEGEND

- Existing Structure Removal No. 1
- Existing Structure Removal No. 2

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING STRUCTURE REMOVAL 4
STRUCTURE NUMBER 099-8309 WB AND 099-8325 EB**

SHEET S-16 OF S-333 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 2	WILL	1230	597
CONTRACT NO. 62R23				
ILLINOIS FED. AID PROJECT				

USER NAME = USSJ696614	DESIGNED - GM	REVISED -
CHECKED - PJL	REVIS	ED -
PLOT SCALE = 16:0 " = 1 in.	DRAWN - GM	REVISED -
PLOT DATE = 11/5/2025	CHECKED - PJL	REVISED -



- NOTES:**
1. *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.*
 2. *Stations and Offsets are shown from Proposed C 1-80.*

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Temporary Soil Retention System	Sq. Ft.	2,605

