

WARNING SIGNS										GUIDE SIGNS										EFFECTIVE: 07-01-2025		
SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN	DESCRIPTION		SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN	DESCRIPTION	ITEM	TOTAL	DESCRIPTION	
IN.	SQ.FT.	EACH	SQ.FT.	EACH	SQ.FT.	NO.				IN.	SQ.FT.	EACH	SQ.FT.	EACH	SQ.FT.	NO.		NUMBER	QTY			
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)		E05-1	36X48	12.00						GORE EXIT	6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)	
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)		E05-2	48X36	12.00						EXIT OPEN	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)	
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)		E05-2a	48X36	12.00						EXIT CLOSED	6122012		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)	
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)		GO20-1	60X24	10.00						ROAD WORK NEXT XX MILES	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)	
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)		GO20-2	48X24	8.00						END ROAD WORK	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)	
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)		GO20-4	36X18	4.50						PILOT CAR FOLLOW ME	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)	
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)		GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW	6122020		REPLACEMENT SAND BARREL	
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)		GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW	6122030		IMPACT ATTENUATOR (RELOCATION)	
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)		GO20-5aP	36X24	6.00	2	12.00				WORK ZONE (PLAQUE)	6122040		WORK ZONE CRASH CUSHION (NARROW)	
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)		MO4-8a	24X18	3.00						END DETOUR	6122041		WORK ZONE CRASH CUSHION (RELOCATION)	
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)		MO4-9L	48X36	12.00	3	36.00				DETOUR (LEFT)	6123001	*2	TRUCK MOUNTED ATTENUATOR (TMA)	
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)		MO4-9R	48X36	12.00	3	36.00				DETOUR (RIGHT)	6161012		BUOYS (BOATS KEEP OUT)	
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)		MO4-9P	48X12	4.00						STREET NAME (PLAQUE)	6161013		BUOYS (NO WAKE)	
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)		MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)	
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)		MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)	6161020		CHANNELIZER (DRUM-LIKE)	
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)		REGULATORY SIGNS										6161022		CHANNELIZER (CONE)
WO1-8	18X24	3.00						CHEVRON (SYMBOL)		R1-1	48X48	13.25						STOP	6161025	50	CHANNELIZER (TRIM-LINE)	
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)		R1-2	48TRI.	6.93						YIELD	6161026		CHANNELIZER (VERTICAL PANEL)	
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)		R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)	6161030		TYPE 3 MOVEABLE BARRICADE	
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)		R1-3P	30X12	2.50						ALL WAY (PLAQUE)	6161033	10	DIRECTION INDICATOR BARRICADE	
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)		R2-1	36X48	12.00	8	96.00				SPEED LIMIT XX	6161040	2	FLASHING ARROW PANEL	
WO3-4	48X48	16.00						BE PREPARED TO STOP		R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)	6161047		TYPE 3 OBJECT MARKER	
WO3-5	48X48	16.00						SPEED LIMIT AHEAD		R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)	6161055		SEQUENTIAL FLASHING WARNING LIGHT	
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)		R3-3	36X36	9.00						NO TURNS	6161070		TUBULAR MARKER	
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)		R3-4	48X48	16.00						NO U-TURN (SYMBOL)	6161095		RADAR SPEED ADVISORY SYSTEM	
WO4-1aL	48X48	16.00	1	16.00				MERGE (LEFT)		R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT			CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED	
WO4-1aR	48X48	16.00						MERGE (RIGHT)		R3-7R	30X30	6.25	2	12.50				RIGHT LANE MUST TURN RIGHT	6161096		CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED	
WO5-1	48X48	16.00						ROAD/BRIDGE/RAMP NARROWS		R4-1	36X48	12.00						DO NOT PASS			CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED	
WO5-3	48X48	16.00						ONE LANE BRIDGE		R4-2	36X48	12.00						PASS WITH CARE	6161098A		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED	
WO5-5	48X48	16.00						NARROW LANES		R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)			CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED	
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)		R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)	6161099	*2	WORK ZONE TRAFFIC SIGNAL SYSTEM	
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)		R5-1	30X30	6.25						DO NOT ENTER	6162000A		TEMPORARY LONG-TERM RUMBLE STRIPS	
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)		R5-1a	36X24	6.00						WRONG WAY	6162002		TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURNISHED/RETAINED	
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)		R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)			TEMP. TRAFFIC BARRIER ANCHORED, CONTRACTOR FURNISHED/RETAINED	
WO8-1	48X48	16.00						BUMP		R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)	6173600D		TEMP. TRAFFIC BARRIER STIFFNESS TRANSITION CONTRACTOR FURNISHED/RETAINED	
WO8-2	48X48	16.00						DIP		R6-2L	24X30	5.00						ONE WAY (LEFT)			TEMP. TRAFFIC BARRIER STIFFNESS TRANSITION CONTRACTOR FURNISHED/RETAINED	
WO8-3	48X48	16.00						PAVEMENT ENDS		R6-2R	24X30	5.00						ONE WAY (RIGHT)	6173700B		TEMP. TRAFFIC BARRIER STIFFNESS TRANSITION CONTRACTOR FURNISHED/RETAINED	
WO8-4	48X48	16.00						SOFT SHOULDER		R9-9	24X12	2.00	2	4.00				SIDEWALK CLOSED			TEMP. TRAFFIC BARRIER STIFFNESS TRANSITION CONTRACTOR FURNISHED/RETAINED	
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)		R9-11L	24X18	3.00	3	9.00				SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE	6173706		TEMP. TRAFFIC BARRIER STIFFNESS TRANSITION CONTRACTOR FURNISHED/RETAINED	
WO8-6	48X48	16.00						TRUCK CROSSING		R9-11R	24X18	3.00	3	9.00				SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE	6174000A		RELOCATING TEMP. TRAFFIC BARRIER	
WO8-6c	48X48	16.00						TRUCK ENTRANCE		R10-6	24X36	6.00						STOP HERE ON RED (45° ARROW)	6175010A		RELOCATING TEMP. TRAFFIC BARRIER ANCHORED	
WO8-7	36X36	9.00						LOOSE GRAVEL		R11-2	48X30	10.00						ROAD CLOSED	6175011B		RELOCATING TEMP. TRAFFIC BARRIER STIFFNESS	
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL		R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD	6175020A		RELOCATING TEMP. TRAFFIC BARRIER STIFFNESS	
WO8-9	48X48	16.00						LOW SHOULDER		R11-4	60X30	12.50						LOCAL TRAFFIC ONLY	6208064A		TEMPORARY RAISED PAVEMENT MARKER	
WO8-11	48X48	16.00						UNEVEN LANES		CONST-3A	60X48	20.00						ROAD CLOSED TO THRU TRAFFIC	9029400		TEMPORARY TRAFFIC SIGNALS	
WO8-12	48X48	16.00						NO CENTER LINE		CONST-3X	56X12	4.67						FINE SIGN	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING	
WO8-15	48X48	16.00						GROOVED PAVEMENT		MISCELLANEOUS SIGNS												
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)		CONST-5	48X36	12.00						POINT OF PRESENCE				
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)		CONST-5	96X48	32.00						POINT OF PRESENCE				
WO8-17R	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)		CONST-8	48X36	12.00						WORK ZONE NO PHONE ZONE				
W10-1	42RND.	9.62						RAILROAD CROSSING														
WO12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)														
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)														
WO12-2x	24X18	3.00						LOW CLEARANCE (PLAQUE)														
WO12-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)														
WO12-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD														
WO12-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD														
WO13-1	30X30	6.25						ADVISORY SPEED (PLAQUE)														
WO16-2	30X24	5.00						XXX FEET (PLAQUE)														
WO16-3	30X24	5.00						X MILE (PLAQUE)														
WO20-1	48X48	16.00	4	64.00				ROAD/BRIDGE/RAMP WORK AHEAD														
WO20-2	48X48	16.00						DETOUR AHEAD														
WO20-3	48X48	16.00						ROAD CLOSED AHEAD														
WO20-4	48X48	16.00						ONE LANE ROAD AHEAD														
WO20-5	48X48	16.00	3	48.00				RIGHT/CENTER/LEFT LANE CLOSED AHEAD														
WO20-5a	48X48	16.00	2	32.00				2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD														
WO20-6a	48X48	16.00	2	32.00				RIGHT/CENTER/LEFT LANE CLOSED														
WO20-7a	48X48	16.00						FLAGGER (SYMBOL)														
WO21-2	36X36	9.00						FRESH OIL														
WO21-5	48X48	16.00	1	16.00				SHOULDER WORK / SHOULDER WORK AHEAD														
WO22-1	48X48	16.00						BLASTING ZONE AHEAD														
WO22-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE														
WO22-3	42X36	10.50						END BLASTING ZONE														
GO22-1	21X15	2.19						WET PAINT (ARROW PIVOTS)														
										TOTAL												
										CONSTRUCTION SIGNS												
										616-10.05												
										RELOCATED SIGNS												
										616-10.10												
										TOTAL												
										**												



DATE PREPARED
12/23/2025

ROUTE STATE
VAR MO

DISTRICT SHEET NO.
SL 3

COUNTY
VARIOUS

JOB NO.
JSL0184

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE

DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

MoDOT

715 KIRK DRIVE
KANSAS

3" PVC
- 1/C #2 (QTY. 3) COILED
AT EXISTING UTILITY POLE
FOR CONNECTION BY UTILITY

INSTALL POWER SUPPLY
ASSEMBLY, PAD MOUNTED

2" HDPE
- 1/C #8 (QTY. 3)
- 1/C #8 BARE GROUND

2" HDPE
- 1/C #8 (QTY. 3)
- 1/C #8 BARE GROUND

CCTV POLE FOUNDATION
CCTV POLE, 50 FT
INSTALL CCTV CAMERA ASSEMBLY
FIELD TERMINAL CABINET TYPE 7
SEE COMMUNICATION PLAN SHEET 4 OF 40

IS044W235.5 CCTV
SEE NOTES 1, 2, 3

2" HDPE
- 24F SMFO CABLE
- TRACER WIRE
SEE NOTE 4

2" PVC
- 24F SMFO CABLE
- TRACER WIRE

2" HDPE
- 24F SMFO CABLE
- TRACER WIRE
SEE NOTE 4

EX. MODOT
IPB202 (UIP)
SEE NOTE 5

EX. LUMEN FIBER
(UIP) (DND)

2" HDPE (UIP)
- EX. 24F FO CABLE (UIP)

EX. LUMEN
IPB201 (UIP)

2" HDPE
- 24F SMFO CABLE
- TRACER WIRE

EX. LUMEN FIBER
(UIP) (DND)

MATCHLINE STA. 755+83

760

765

N SERVICE RD

I - 44 WB

I - 44 EB

S SERVICE RD

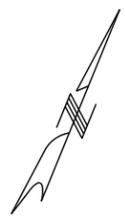
760

765

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PROJECT TO WHICH THIS PAGE REFERS.

- NOTES:
1. INSTALL 50 FT CCTV POLE AND POLE MOUNTED CABINET.
 2. INSTALL CCTV CAMERA ASSEMBLY.
 3. PLACE CCTV POLE 30 FT FROM NEAREST EDGE OF I-44 WB TRAVEL LANE.
 4. 2" CONDUIT WITH FIBER MINIMUM DEPTH OF 5 FT UNDER ROADWAY.
 5. DRILL EXISTING PULL BOX WALL TO INSERT NEW CONDUITS.

DEVICE AND STRUCTURE LOCATIONS
CCTV & CABINET IS044W235.5C STA. 758+99.00, 51'L



ITS PLAN

I-44 REST AREA
IS044W235.5 CCTV CAMERA
WESTBOUND
I-44 MILE MARKER 235.5

SHEET 2 OF 20



DATE PREPARED 12/23/2025	
ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 9
COUNTY VARIOUS	
JOB NO. JSL0184	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

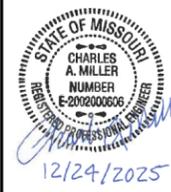
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

HNTB

715 KIRK DRIVE
KANSAS CITY, MO 64105-1310
TELEPHONE (816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270

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DATE PREPARED 12/23/2025	
ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 10
COUNTY VARIOUS	
JOB NO. JSL0184	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

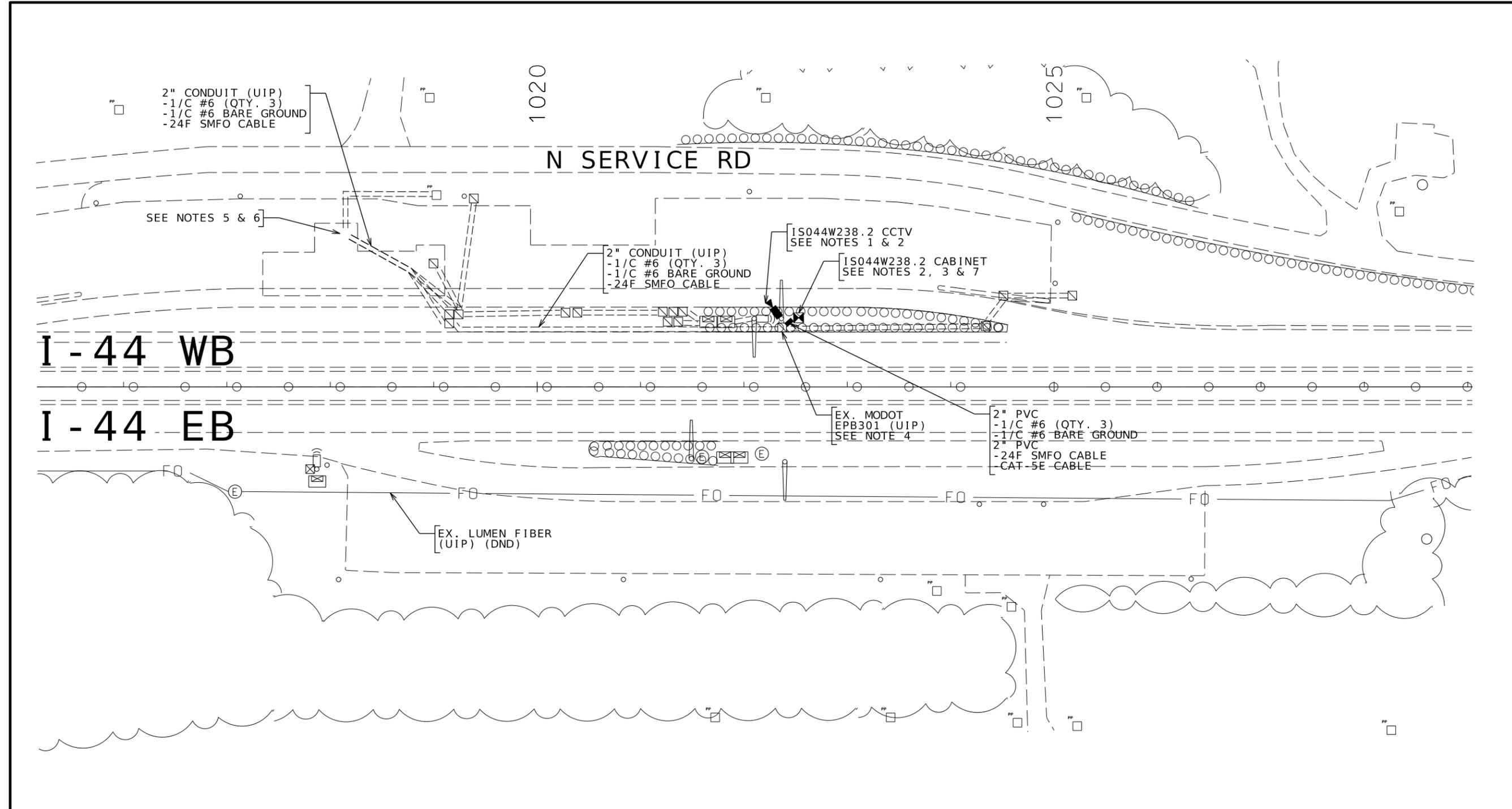
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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JEFFERSON CITY, MO 65102
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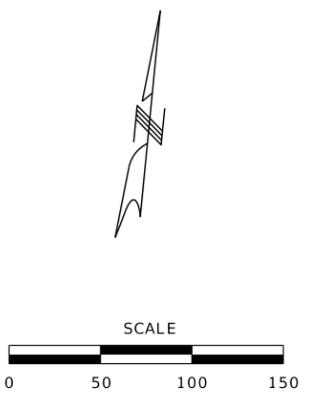


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- NOTES:**
1. INSTALL CCTV AT 30 FT ON CL SIGNAL POLE.
 2. INSTALL CCTV CAMERA POE IN CABINET.
 3. INSTALL MODIFIED TYPE 7 CABINET ON CONCRETE PEDESTAL BASE.
 4. DRILL EXISTING PULL BOX WALL TO INSERT NEW CONDUITS.
 5. TERMINATE FIBER ON EXISTING PATCH PANEL. INSTALL SM FIBER OPTIC JUMPERS TO CONNECT TO EXISTING ETHERNET SWITCH.
 6. INSTALL NEW BREAKER IN EXISTING BREAKER PANEL AND CONNECT NEW CONDUCTORS TO BREAKER. TERMINATE GROUND WIRE ON GROUND BUS BAR.
 7. INSTALL CISCO IE3300 ETHERNET SWITCH.

DEVICE AND STRUCTURE LOCATIONS

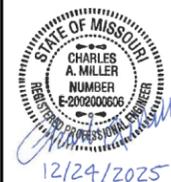
CABINET	IS044W238.2CA	STA. 1022+53.00, 67'L
CCTV CAMERA	IS044W238.2C	STA. 1022+37.00, 66'L



ITS PLAN

I-44 WEIGH STATION
IS044W238.2 CCTV CAMERA
WESTBOUND
I-44 WEIGH MARKER 238.2

SHEET 3 OF 20



DATE PREPARED
12/23/2025

ROUTE STATE
VAR MO

DISTRICT SHEET NO.
SL 12

COUNTY
VARIOUS

JOB NO.
JSL0184

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

CERTIFICATE OF AUTHORITY NO. 001270

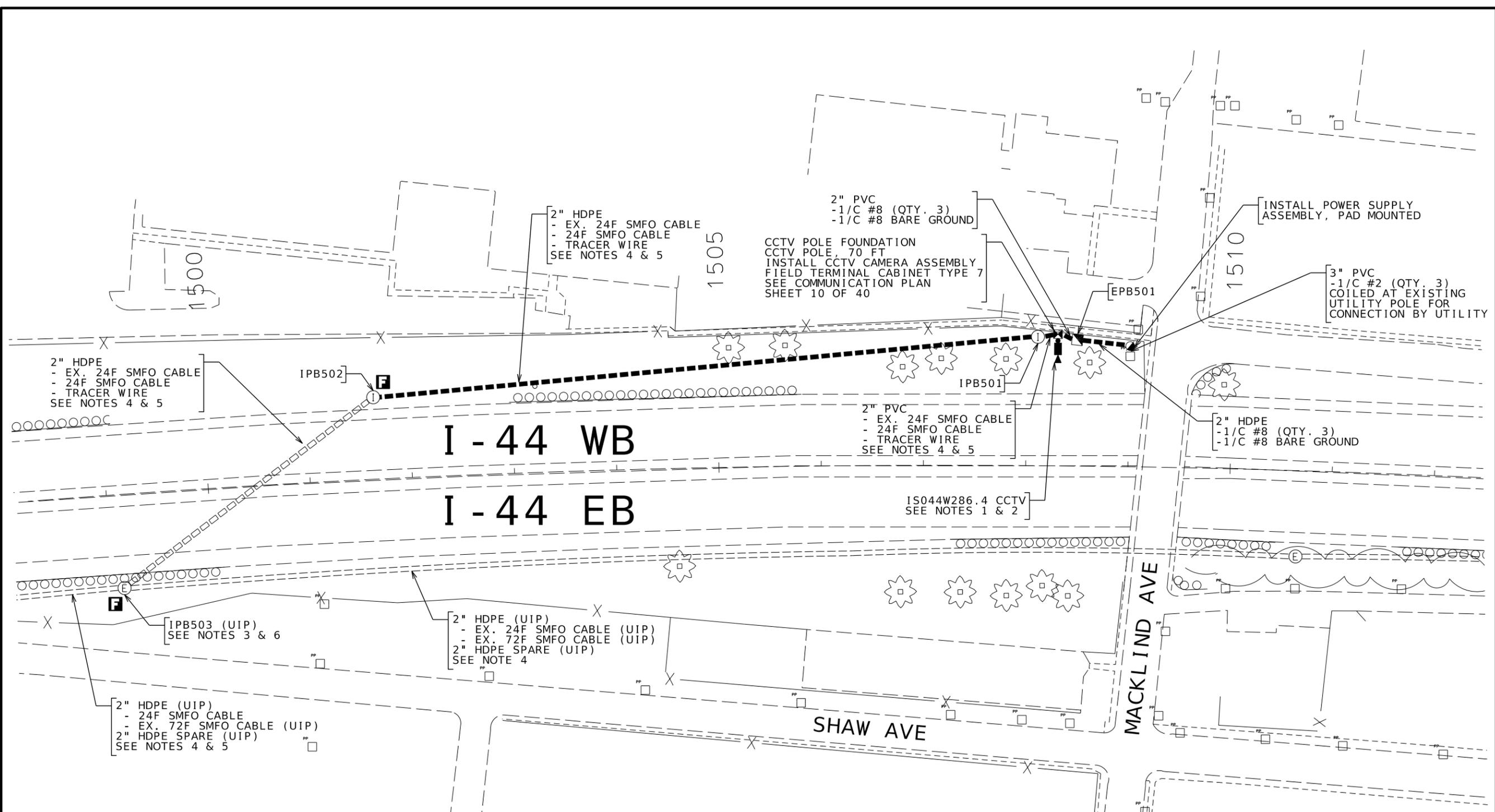
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715 KIRK DRIVE KANSAS CITY, MO 64105-1310

TELEPHONE (816) 472-1201

REV.

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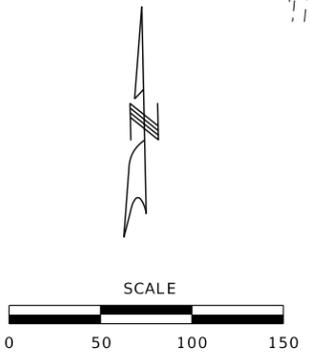


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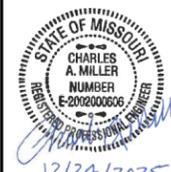
- NOTES:
1. INSTALL 70 FT CCTV POLE AND POLE MOUNTED CABINET.
 2. INSTALL CCTV CAMERA ASSEMBLY.
 3. DRILL EXISTING PULL BOX WALL TO INSERT NEW CONDUIT.
 4. DISCONNECT EXISTING 24F SMFO CABLE IN CABINET IS044W285.9CA (3,580 FT SOUTH AT HAMPTON) AND PULL BACK TO NEW CABINET IS044W286.4CA.
 5. INSTALL NEW 24F SMFO CABLE BETWEEN NEW CABINET IS044W286.4CA AND EXISTING CABINET IS044W285.9CA.
 6. INSTALL 7 FIBER DELINEATOR POSTS FROM IPB503 TO IS044W285.9CA. FOLLOW FIBER DELINEATOR JOB SPECIAL PROVISIONS. NOT ALL DELINEATORS ARE SHOWN ON THE PLAN SHEET.

DEVICE AND STRUCTURE LOCATIONS

CCTV & CABINET	IS044W286.4C	STA. 1508+32.00, 129'L
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ITS PLAN
I-44 AND MACKLIND AVE
IS044W286.4 CCTV CAMERA
WESTBOUND
I-44 FIBER MARKER 286.4
SHEET 5 OF 20



DATE PREPARED
12/23/2025

ROUTE STATE
VAR MO

DISTRICT SHEET NO.
SL 13

COUNTY
VARIOUS

JOB NO.
JSL0184

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED. REV.

LAFAYETTE AVE

EQUATION:
 Sta 1632+17.17 BK = PT STA 1632+17.17
 Sta 1632+03.25 AH

COMPTON AVE

MICHIGAN AVE

GEYER AVE

I-44 WB I-44 EB

2" HDPE (UIP)
 - 24F SMFO CABLE
 - EX. 72F SMFO CABLE (UIP)
 2" HDPE SPARE (UIP)
 SEE NOTES 4 & 5

2" HDPE (UIP)
 - 24F SMFO CABLE
 - EX. 72F SMFO CABLE (UIP)
 2" HDPE SPARE (UIP)
 SEE NOTES 4 & 5

2" PVC
 - EX. 24F SMFO CABLE
 - 24F SMFO CABLE
 - TRACER WIRE
 SEE NOTES 4 & 5

IS044E288.9 CCTV
 SEE NOTES 1 & 2

CCTV POLE FOUNDATION
 CCTV POLE, 60 FT
 INSTALL CCTV CAMERA ASSEMBLY
 FIELD TERMINAL CABINET TYPE 7
 SEE COMMUNICATION PLAN
 SHEET 12 OF 40

IPB601
 SEE NOTE 3

EPB601

IPB362 (UIP)
 SEE NOTE 6

INSTALL POWER SUPPLY
 ASSEMBLY, PAD MOUNTED

3" PVC
 -1/C #2 (QTY. 3)
 COILED AT EXISTING
 UTILITY POLE FOR
 CONNECTION BY UTILITY

2" HDPE
 -1/C #8 (QTY. 3)
 -1/C #8 BARE GROUND

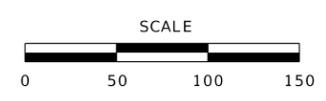
2" HDPE
 -1/C #8 (QTY. 3)
 -1/C #8 BARE GROUND

2" HDPE (UIP)
 - EX. 24F SMFO CABLE (UIP)
 - EX. 72F SMFO CABLE (UIP)
 2" HDPE SPARE (UIP)
 SEE NOTE 4

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- NOTES:**
1. INSTALL 60 FT CCTV POLE AND POLE MOUNTED CABINET A MINIMUM 4 FT FROM BACK OF GUARDRAIL POST, AVOID IMPACTING FIBER LINE.
 2. INSTALL CCTV CAMERA ASSEMBLY.
 3. INTERCEPT EXISTING CONDUIT WITH CLASS 5 ITS PULL BOX.
 4. DISCONNECT EXISTING 24F SMFO CABLE IN CABINET IS044W288.6CA (2,300 FT SOUTH AT GRAND) AND PULL BACK TO NEW CABINET IS044E288.9CA.
 5. INSTALL NEW 24F SMFO CABLE BETWEEN NEW CABINET IS044E288.9CA AND EXISTING CABINET IS044W288.6CA.
 6. INSTALL 3 FIBER DELINEATOR POSTS FROM IPB360 TO IS044W288.6CA. FOLLOW FIBER DELINEATOR JOB SPECIAL PROVISIONS. NOT ALL DELINEATORS ARE SHOWN ON THE PLAN SHEET.

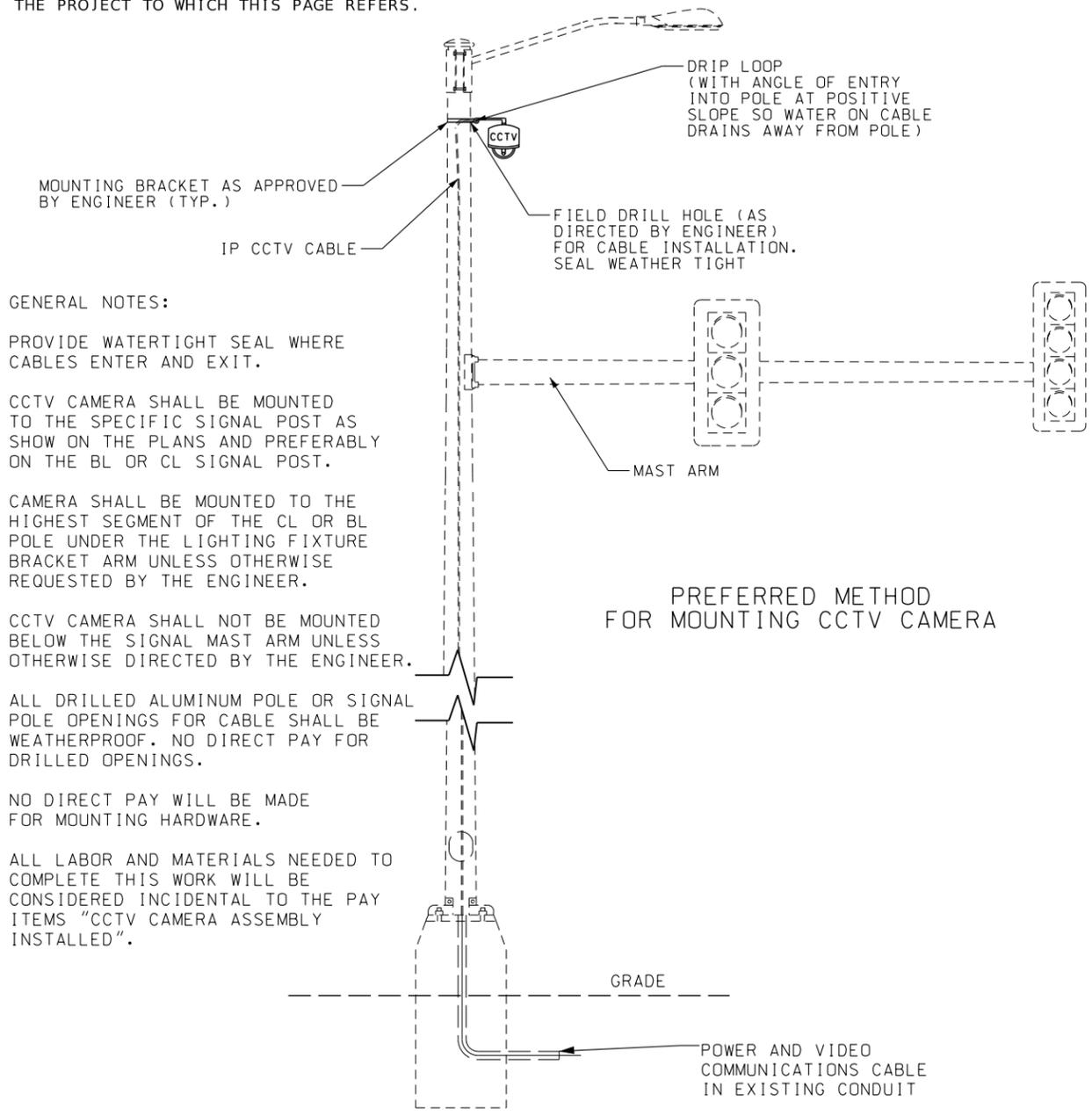
DEVICE AND	STRUCTURE LOCATIONS
CCTV & CABINET	IS044E288.9C STA. 1637+50.00, 78'R



ITS PLAN
 I-44 AND COMPTON AVE
 IS044E288.9 CCTV CAMERA
 EASTBOUND
 I-44 MILE MARKER 288.9
 SHEET 6 OF 20



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PREFERRED METHOD FOR MOUNTING CCTV CAMERA

CCTV MOUNTING ON NEW OR EXISTING CL OR BL SIGNAL POST WITH LUMINAIRE

GENERAL NOTES:

PROVIDE WATERTIGHT SEAL WHERE CABLES ENTER AND EXIT.

CCTV CAMERA SHALL BE MOUNTED TO THE SPECIFIC SIGNAL POST AS SHOWN ON THE PLANS AND PREFERABLY ON THE BL OR CL SIGNAL POST.

CAMERA SHALL BE MOUNTED TO THE HIGHEST SEGMENT OF THE CL OR BL POLE UNDER THE LIGHTING FIXTURE BRACKET ARM UNLESS OTHERWISE REQUESTED BY THE ENGINEER.

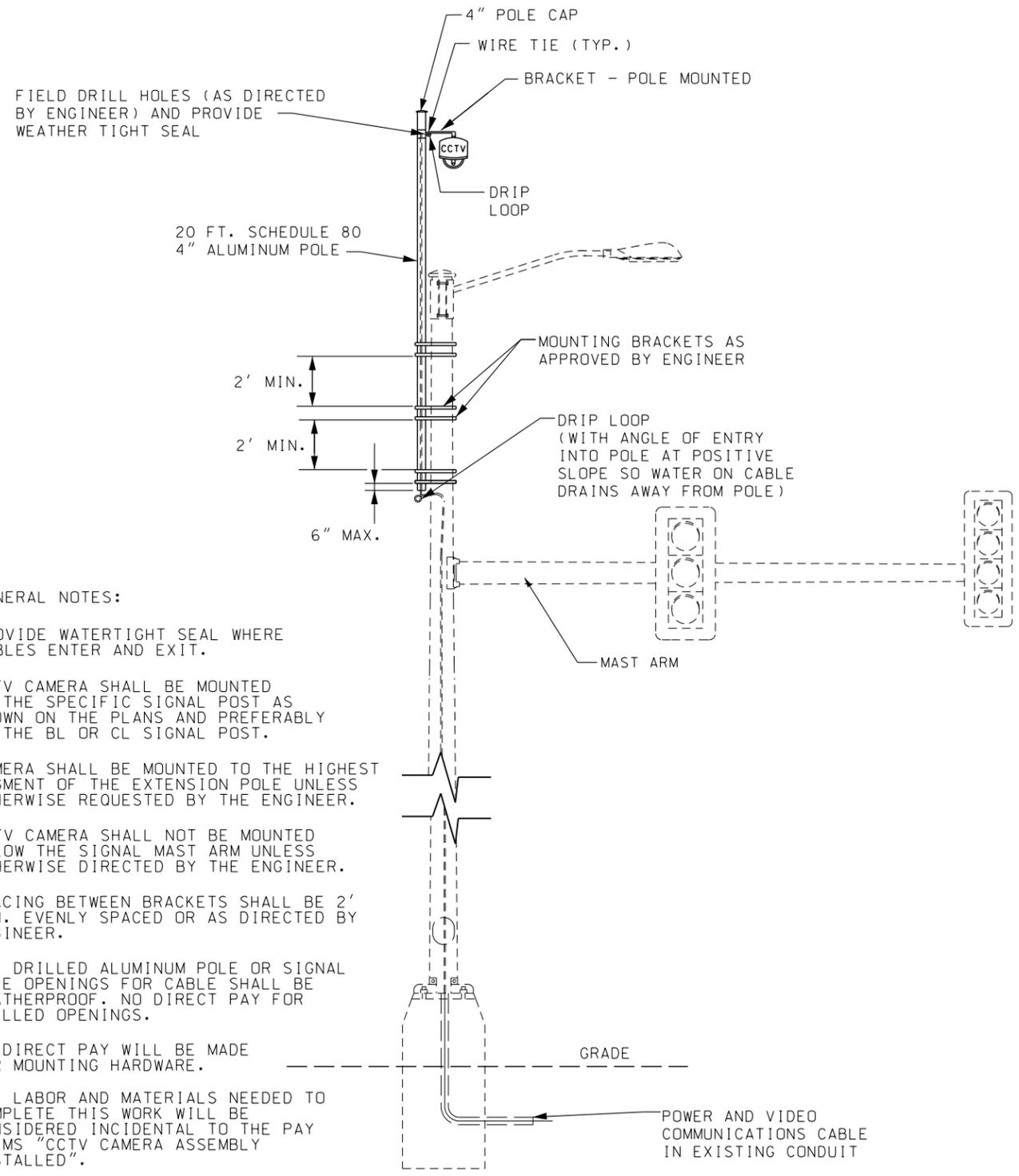
CCTV CAMERA SHALL NOT BE MOUNTED BELOW THE SIGNAL MAST ARM UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

ALL DRILLED ALUMINUM POLE OR SIGNAL POLE OPENINGS FOR CABLE SHALL BE WEATHERPROOF. NO DIRECT PAY FOR DRILLED OPENINGS.

NO DIRECT PAY WILL BE MADE FOR MOUNTING HARDWARE.

ALL LABOR AND MATERIALS NEEDED TO COMPLETE THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE PAY ITEMS "CCTV CAMERA ASSEMBLY INSTALLED".

NOT TO SCALE



CCTV MOUNTING ON EXISTING BL SIGNAL POST WITH LUMINAIRE AT ROUTE 30 & LITTLE BRENNAN

GENERAL NOTES:

PROVIDE WATERTIGHT SEAL WHERE CABLES ENTER AND EXIT.

CCTV CAMERA SHALL BE MOUNTED TO THE SPECIFIC SIGNAL POST AS SHOWN ON THE PLANS AND PREFERABLY ON THE BL OR CL SIGNAL POST.

CAMERA SHALL BE MOUNTED TO THE HIGHEST SEGMENT OF THE EXTENSION POLE UNLESS OTHERWISE REQUESTED BY THE ENGINEER.

CCTV CAMERA SHALL NOT BE MOUNTED BELOW THE SIGNAL MAST ARM UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

SPACING BETWEEN BRACKETS SHALL BE 2' MIN. EVENLY SPACED OR AS DIRECTED BY ENGINEER.

ALL DRILLED ALUMINUM POLE OR SIGNAL POLE OPENINGS FOR CABLE SHALL BE WEATHERPROOF. NO DIRECT PAY FOR DRILLED OPENINGS.

NO DIRECT PAY WILL BE MADE FOR MOUNTING HARDWARE.

ALL LABOR AND MATERIALS NEEDED TO COMPLETE THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE PAY ITEMS "CCTV CAMERA ASSEMBLY INSTALLED".

NOT TO SCALE

ADDITIONAL NOTES:

- CAMERA SHALL BE AT MINIMUM 30' HEIGHT ABOVE GRADE UNLESS OTHERWISE NOTED.
- WHERE EXISTING EXTENSION POLE IS TO BE USE-IN-PLACE, MOUNT CCTV CAMERA BELOW EXISTING WIRELESS RADIO ANTENNA.

ITS DETAIL
 CAMERA MOUNTING DETAIL
 SIGNAL POLE WITH LIGHT

SHEET 2 OF 9



DATE PREPARED

12/23/2025

ROUTE STATE

VAR MO

DISTRICT SHEET NO.

SL 30

COUNTY

VARIOUS

JSL0184

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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REV.

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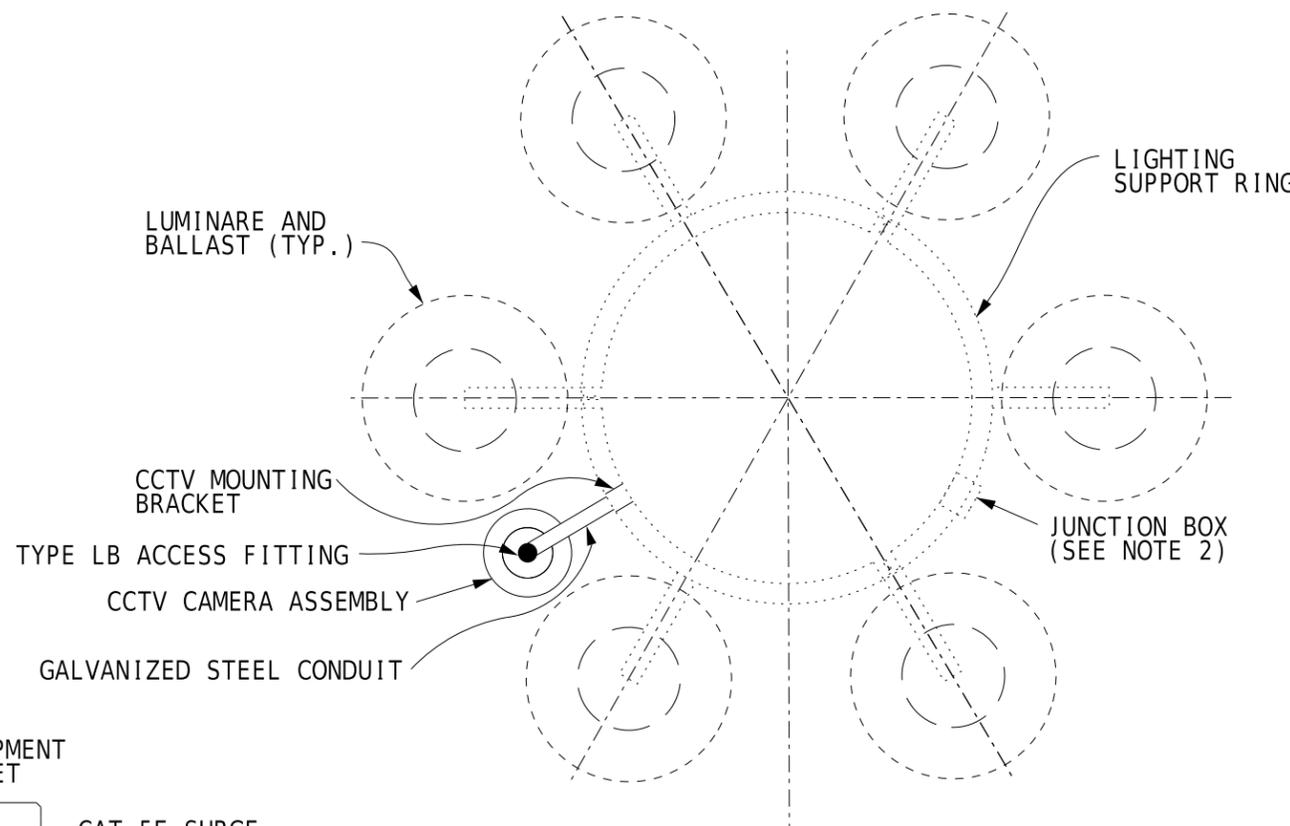
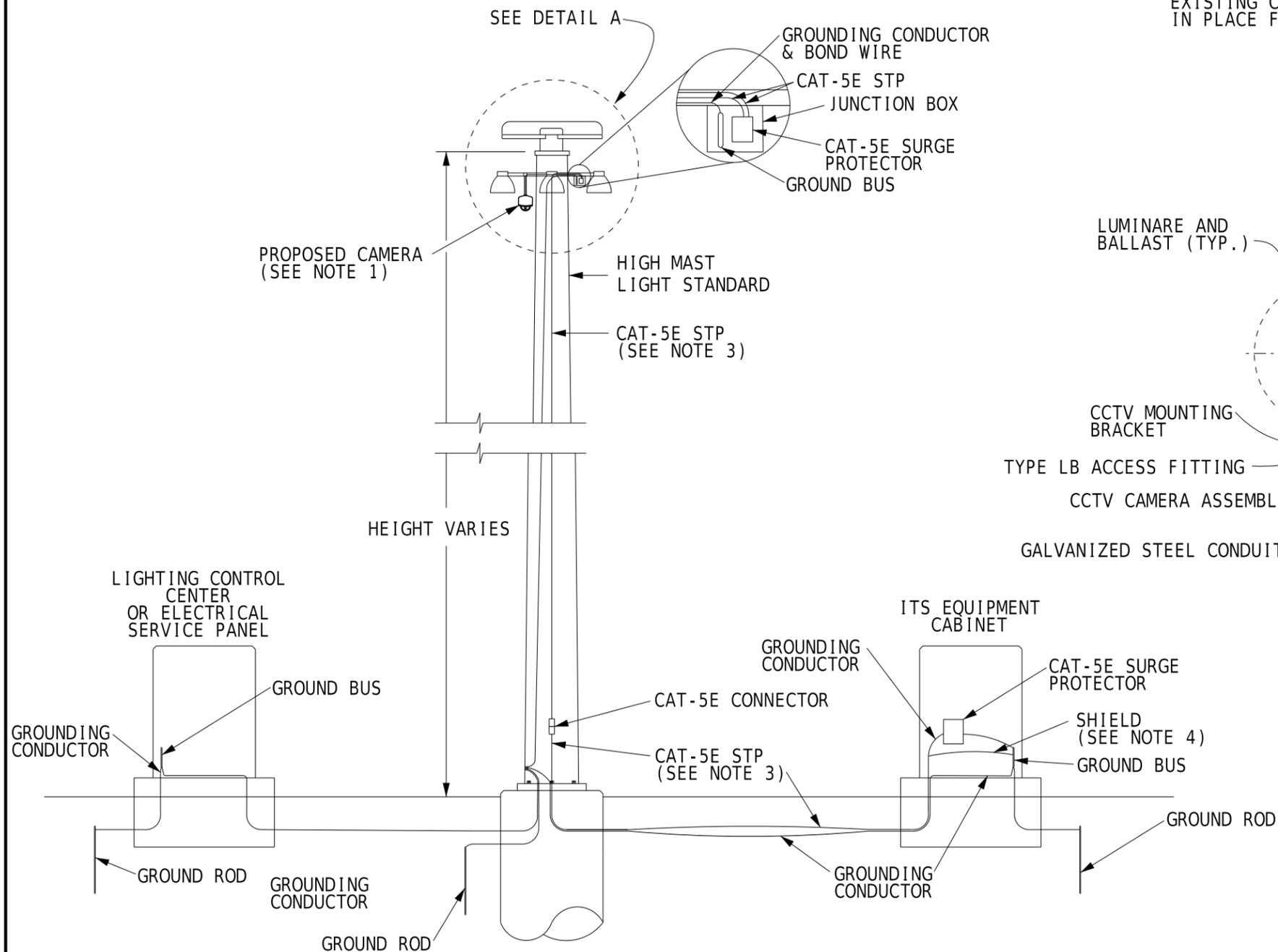
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NOTES:

1. THE CAMERA SHALL BE MOUNTED SO THAT THE CAMERA DOME IS AT AN ELEVATION BELOW THE EXISTING LIGHTING LUMINAIRES. COORDINATE MOUNTING POSITION WITH ENGINEER.
2. INSTALL SURGE PROTECTION DEVICES IN EXISTING JUNCTION BOX AS REQUIRED IN THE JOB SPECIAL PROVISIONS.
3. THE CAT-5E CABLE SHALL BE INCORPORATED IN A COMPOSITE CABLE AS REQUIRED IN THE JOB SPECIAL PROVISIONS.
4. SHIELDED CAT-5E CABLE ONLY APPLIES TO NEW INSTALLATIONS. EXISTING COMPOSITE CABLE WITHOUT SHIELDED CAT-5E CABLE TO BE USED IN PLACE FOR EXISTING CAMERA INSTALLATION UPGRADES.

STATE OF MISSOURI
 CHARLES A. MILLER
 NUMBER E-2012000606
 PROFESSIONAL ENGINEER
 12/24/2025

DATE PREPARED 12/23/2025	
ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 31
COUNTY VARIOUS	
JOB NO. JSL0184	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



DETAIL A
 CAMERA MOUNTING

HIGH MAST LIGHTING TOWER CAMERA INSTALLATION

ITS DETAIL
 CAMERA MOUNTING DETAIL
 HIGH MAST TOWER
 SHEET 3 OF 9

DESCRIPTION
 DATE
 MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

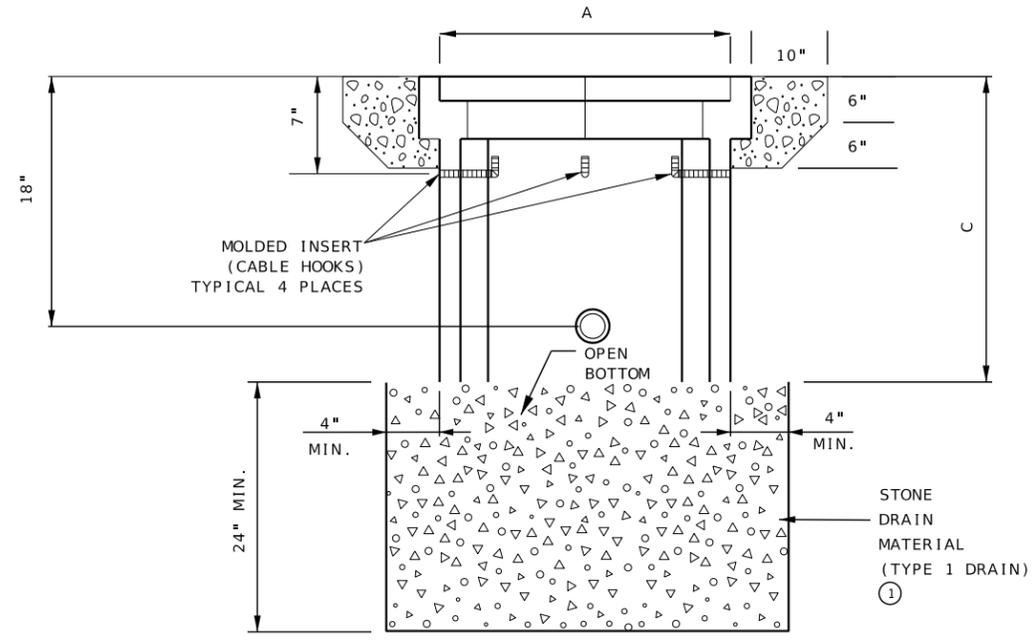
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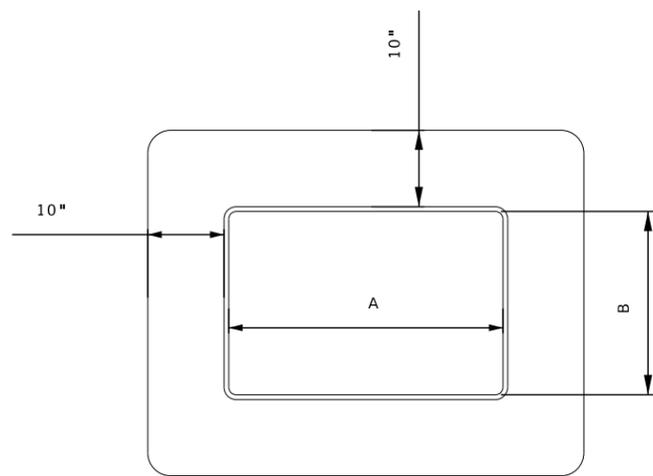
ITS PULL BOXES WITH CONCRETE PADS

CLASS 2 ITS PULLBOX WITH CONCRETE PAD



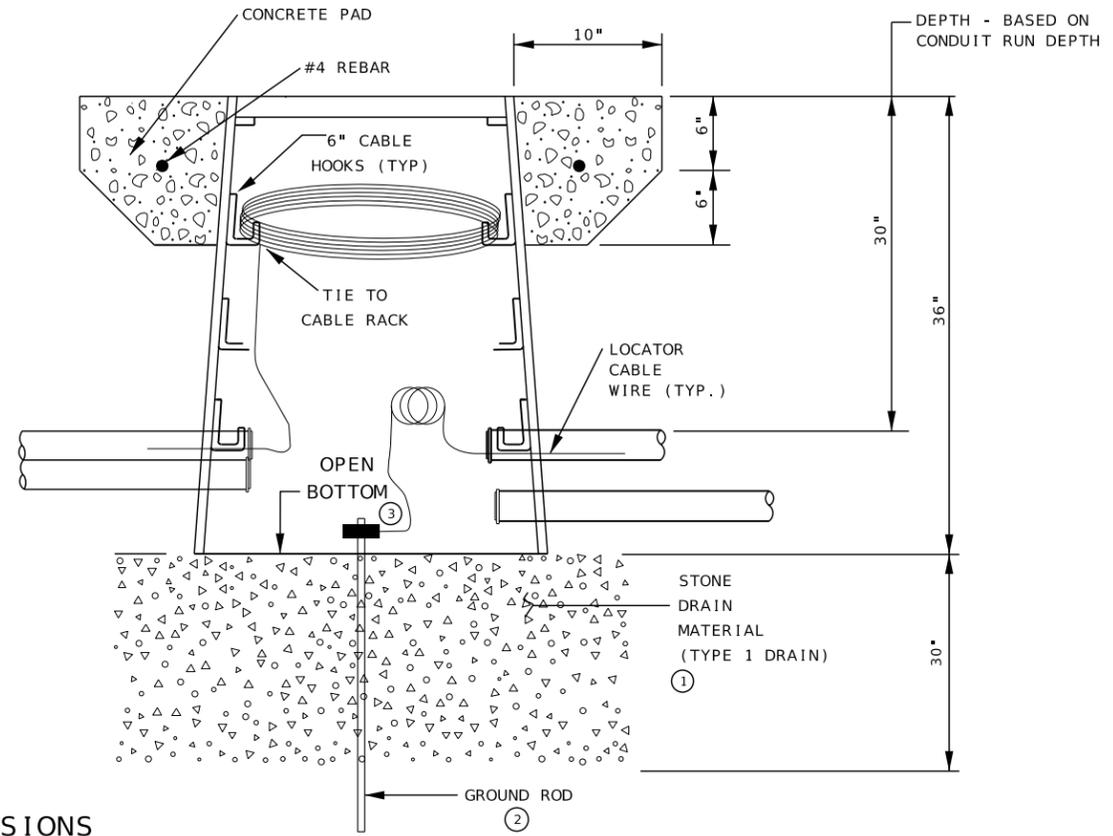
ELEVATION

FOR PULL BOX DIMENSIONS
AND DRAIN TYPE DETAILS
SEE STANDARD PLAN 902.20

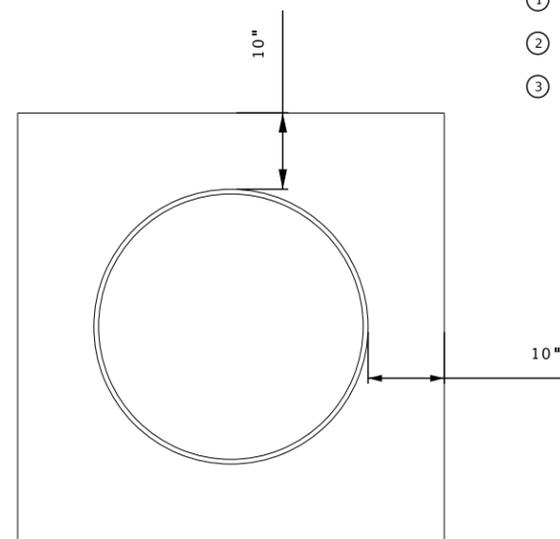


PLAN

CLASS 5 ITS PULLBOX WITH CONCRETE PADS



ELEVATION



PLAN

- NOTES:
- ① PROVIDE TYPE 11 DRAIN AS DIRECTED BY ENGINEER. SEE STANDARD PLAN 902.20 FOR TYPE 11 DRAIN DETAILS.
 - ② GROUND ROD ONLY REQUIRED IN PULL BOX NEAREST TO AN ITS OR SIGNAL CABINET.
 - ③ IN THE PULL BOX NEAREST THE ITS OR SIGNAL CABINET, CONNECT THE TRACER WIRE TO A GROUND ROD CLAMP AND PROVIDE 5 FEET OF SLACK.

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ITS DETAIL
CONCRETE PADS FOR
ITS PULL BOXES
SHEET 5 OF 9



DATE PREPARED 12/23/2025	
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DISTRICT SL	SHEET NO. 33
COUNTY VARIOUS	
JOB NO. JSL0184	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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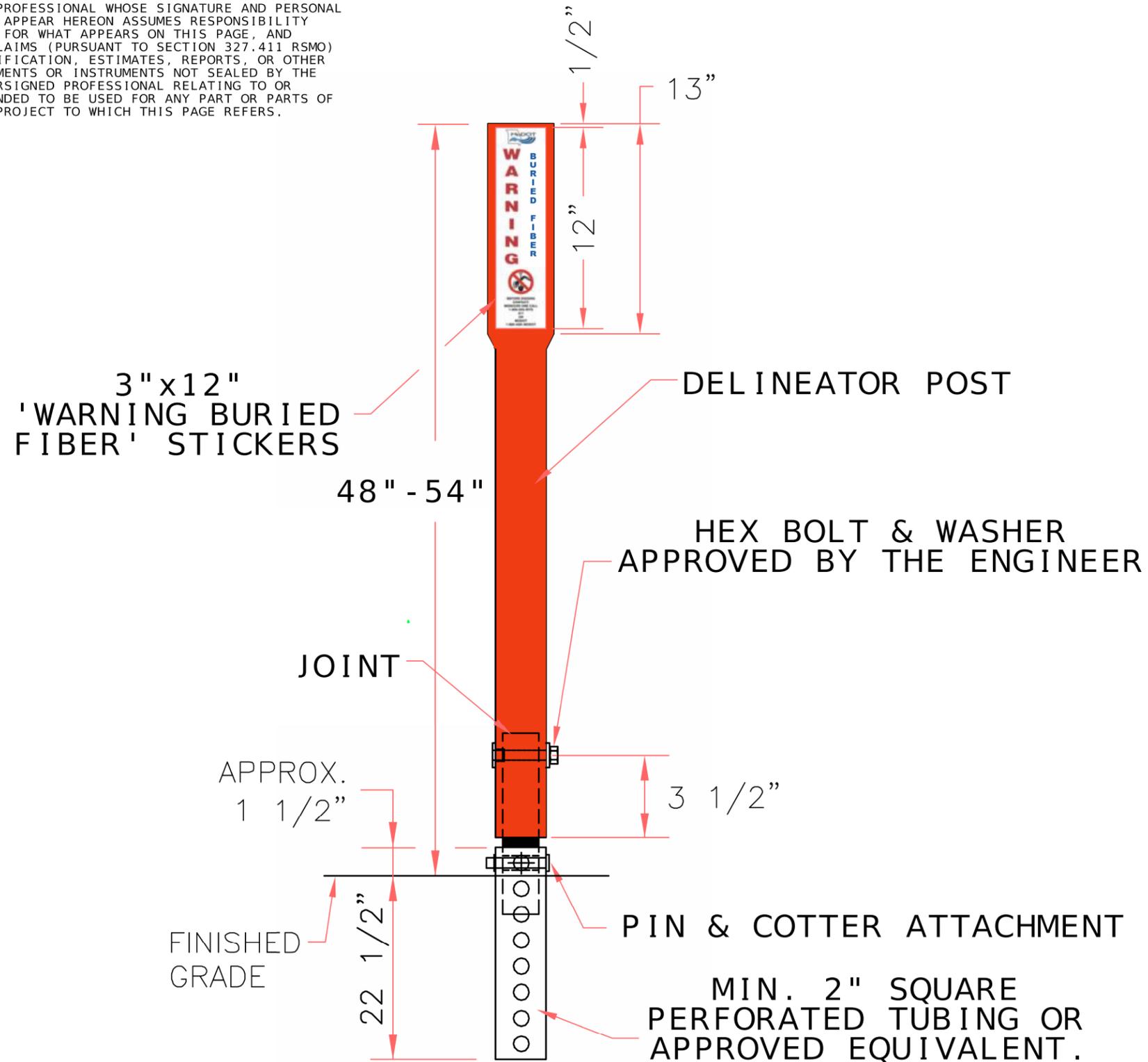
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MoDOT BURIED FIBER DRIVEABLE DELINEATOR POST WITH DEPTH STICKER

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811
OR
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ITS DETAIL
 MoDOT BURIED CABLE
 DRIVEABLE
 DELINEATOR POST
 SHEET 7 OF 9

- NOTES:**
1. STICKERS TO BE OF A NON-REFLECTIVE MATERIAL/SHEETING.
 2. STICKERS SHALL BE PROVIDED ON 1 SIDE OF POST FOR INTERSTATE ROUTES UNLESS SPECIFIED BY THE ENGINEER.
 3. STICKERS SHALL BE PROVIDED ON BOTH SIDES OF POST FOR ARTERIAL ROUTES UNLESS SPECIFIED BY THE ENGINEER.
 4. STICKERS TO BE INCLUDED IN COST OF A DELINEATOR POST.
 5. DEPTH STICKER SHALL BE 2"X12".

STATE OF MISSOURI
 CHARLES A. MILLER
 NUMBER
 E-2012000606
 PROFESSIONAL ENGINEER
 12/24/2025

DATE PREPARED 12/23/2025	
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DISTRICT SL	SHEET NO. 35
COUNTY VARIOUS	
JOB NO. JSL0184	
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PROJECT NO.	
BRIDGE NO.	

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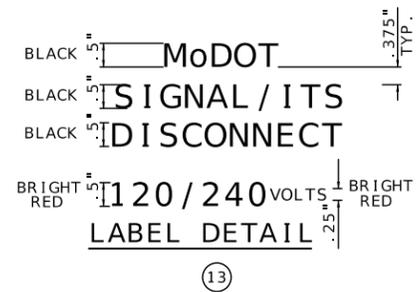
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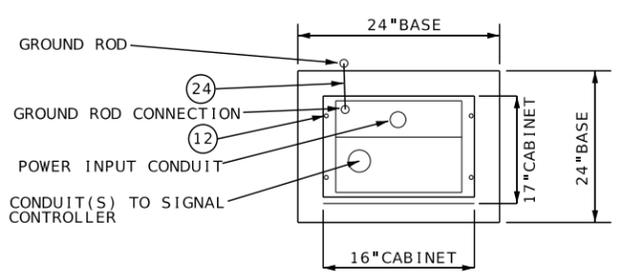
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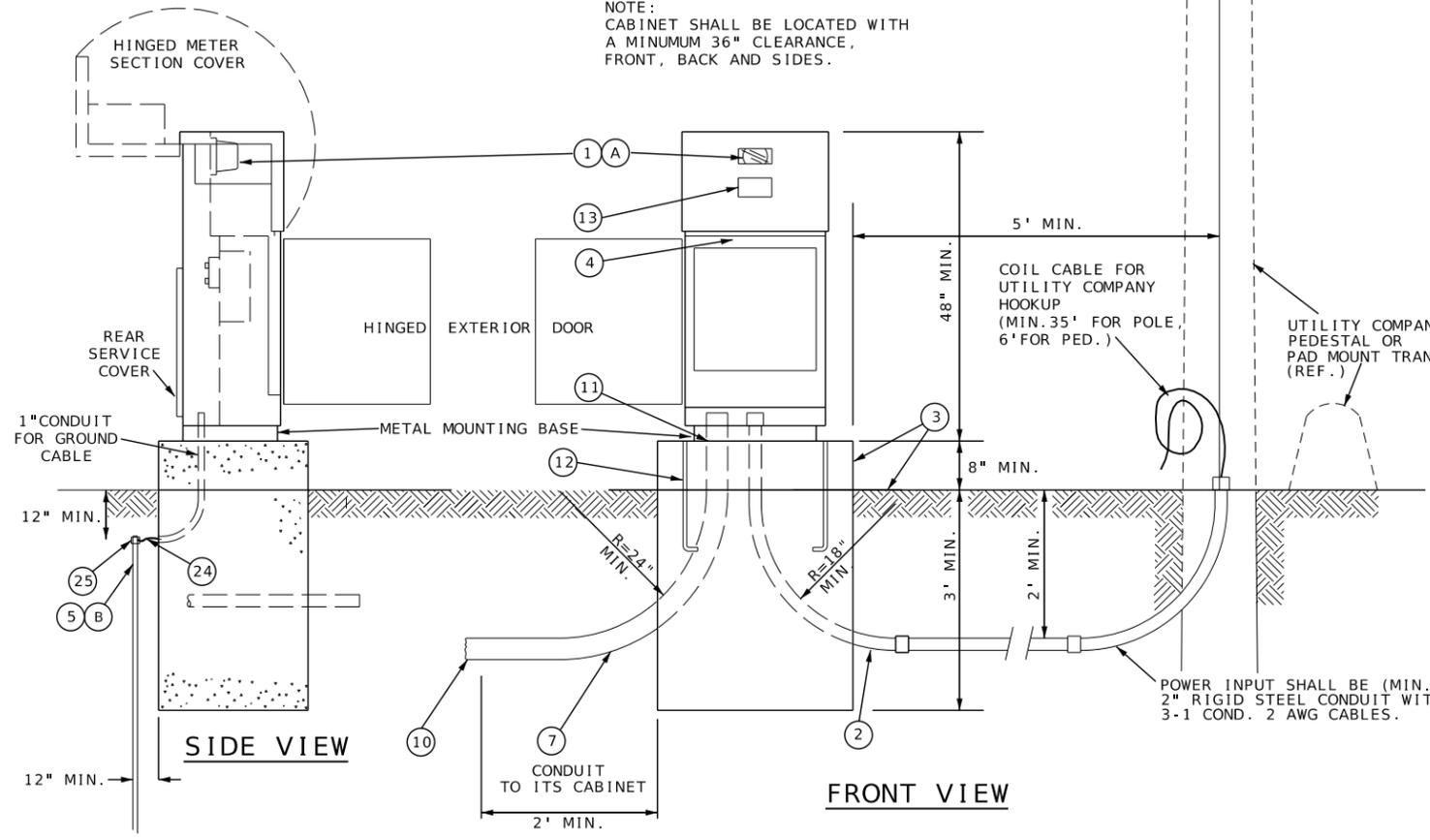
13

SEE CABINET MANUFACTURER FOR MOUNTING BASE DIMENSIONS & ANCHOR BOLT LOCATIONS.



TOP VIEW

NOTE: CABINET SHALL BE LOCATED WITH A MINIMUM 36" CLEARANCE, FRONT, BACK AND SIDES.



FRONT VIEW

POWER SUPPLY PEDESTAL FOR 120-240 VOLT SERVICE

LIST OF MATERIALS	
ITEM	DESCRIPTION
1	METER SOCKET, 5 JAW CLAMP WITH BYPASS, CLASS 225, WITH A RINGLESS COVER
2	RIGID STEEL CONDUIT, 2" MIN. TO UTILITY CO. FACILITIES
3	CLASS B CONCRETE, 0.9 C.Y. +/-
4	NEMA 4, DUST-TIGHT, WATERTIGHT, CABINET
5	GROUND ROD, 3 / 4" DIA. X 10' COPPER CLAD
7	2" SCH 40 PVC CONDUIT
11	LIFETIME SILICONE CAULK
12	ANCHOR BOLTS, 5/8-11 x 18" LONG BOLTS, HOT DIP GALVANIZED, 4 REQUIRED
13	WEATHERPROOF ADHESIVE LABEL, VINYL RAISED LETTERING (OR EQUIVALENT, SEE DETAIL)
24	GROUND WIRE, #2 AWG, MIN.
25	EXOTHERMIC WELD WIRE TO ROD

NOTES

- (A) CABINET WITH POWER SUPPLY SHALL BE STAINLESS STEEL. ALL HARDWARE, HINGES, CATCHES, ETC. SHALL BE STAINLESS STEEL. METER SOCKET AND OTHER EQUIPMENT AND MATERIALS SHALL BE U.L. APPROVED, AND CONFORM TO THE REQUIREMENTS OF THE UTILITY COMPANY OR MUNICIPALITY PROVIDING POWER.
- (B) IF SUBSURFACE CONDITIONS EXIST WHICH PROHIBIT THE PLACEMENT OF THE GROUND ROD IN A VERTICAL POSITION, THE ROD MAY BE DRIVEN AT AN OBLIQUE ANGLE NOT TO EXCEED 45 DEGREES FROM VERTICAL OR BURIED IN A TRENCH AT LEAST 30 IN. DEEP. CONNECTION TO GROUND ROD SHALL BE CADWELDED.

GENERAL NOTES:

1. ALTERNATE CABINET DIMENSIONS WILL BE ALLOWED AS APPROVED BY THE ENGINEER. INTERIOR CABINET VOLUME SHALL BE EQUAL TO OR GREATER THAN THAT SHOWN ON PLANS AND PROPER CLEARANCES SHALL BE PROVIDED FOR ALL EQUIPMENT. CONCRETE BASE DIMENSIONS SHALL BE MODIFIED TO FIT THE CABINET SUPPLIER.
2. PLACEMENT OF ALL ITEMS SHALL BE APPROVED BY THE ENGINEER.
3. SCHEMATIC DIAGRAM SHALL BE MOUNTED ON INSIDE OF CABINET DOOR.
4. THE UTILITY SHALL BE NOTIFIED IN WRITING 30 DAYS PRIOR TO DATE SERVICE WILL BE REQUIRED.
5. ALL CABINET OPENINGS SHALL BE COVERED AND SEALED WITH LIFETIME SILICONE CAULK.
6. ALL MATERIALS REQUIRED EXCLUDING REFERENCE ITEMS AS SHOWN ON DRAWING SHALL BE INCLUDED IN PRICE BID FOR 'POWER SUPPLY PEDESTAL FOR 120-240 VOLT SERVICE'.
7. REFER TO PLAN SHEET DETAIL TO DETERMINE IF UTILITY POLE OR PEDESTAL WILL BE REQUIRED.
8. CABINET SHALL BE LOCATED WITH A MINIMUM 36" CLEARANCE, FRONT, BACK AND SIDES.
9. SEE CABINET MANUFACTURER FOR MOUNTING BASE DIMENSIONS AND ANCHOR BOLT LOCATIONS.
10. WHEN SUBSOIL CONDITIONS EXIST WHICH PROHIBIT PLACEMENT OF GROUND ROD IN VERTICAL POSITION, TRENCH AT LEAST 36" DEEP, DRILL 3 FOUR INCH DIAMETER HOLES 12' DEEP, 20' APART IN A STRAIGHT LINE, PARALLEL TO THE PAVEMENT. THE CENTER HOLE SHOULD BE PLACED NEAR THE LOCATION OF THE GROUND ROD. PLACE ONE GROUND ROD IN EACH OF THE THREE HOLES. PLACE GROUND ENHANCEMENT MATERIAL IN THE HOLES AND A 6" LIFT IN THE TRENCH. RUN A AWG #2 BARE COPPER GROUND WIRE FROM ROD TO ROD TO ROD AND A SEPARATE PIECE THROUGH THE CONDUIT IN THE FOUNDATION TO THE CENTER ROD. EXOTHERMICALLY WELD GROUND WIRE TO GROUND RODS. COVER THE RODS AND WIRE WITH A 12" LIFT OF GROUND ENHANCEMENT MATERIAL. COVER THE REMAINING TRENCH WITH SELECT BACKFILL AND COMPACT. MODOT'S REPRESENTATIVE WILL NEED TO WITNESS THIS WORK.
11. CABLE AND CONDUIT FROM POWER SUPPLY ASSEMBLY TO UTILITY COMPANY FACILITIES SHALL BE INCLUDED IN PRICE BID FOR 'POWER SUPPLY PEDESTAL FOR 120-240 VOLT SERVICE'.

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ITS DETAIL
 POWER SUPPLY
 ASSEMBLY,
 PAD MOUNTED, ITS
 SHEET 8 OF 9



DATE PREPARED 12/23/2025	
ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 36
COUNTY VARIOUS	
JOB NO. JSL0184	
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BRIDGE NO.	

DATE	DESCRIPTION

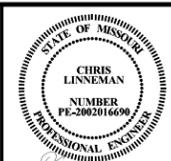
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MO PE-2002016690

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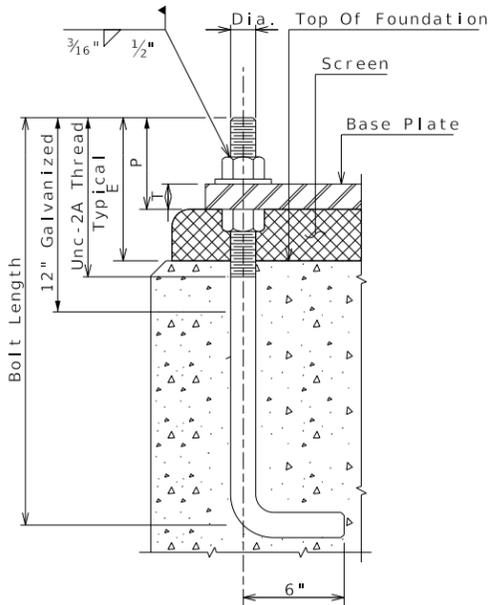
PROJECT NO.

BRIDGE NO.

DESCRIPTION

POLE HEIGHT L (FT)	BASE PLATE								ANCHOR BOLTS		
	C	D	F	H	J	S	R	T	P	SIZE DIA. X LENGTH	E
50	19 1/2"	25 1/2"	13 3/4"	1 3/16"	6"	19 3/4"	3"	2 1/4"	5"	1 1/2" X 3'-6"	8"
60	23 1/2"	2'-5 1/2"	16 5/8"	1 3/16"	6"	22 3/8"	3"	2 1/2"	5"	1 1/2" X 3'-6"	8"
70	2'-3 1/2"	2'-9 1/2"	19 1/2"	1 3/16"	6"	2'-1 1/2"	3"	2 7/8"	5 1/2"	1 1/2" X 3'-6"	8 1/2"

POLE HEIGHT L (FT)	A				B			
	DIA. @ TOP	DIA. @ BOTT.	THICKNESS	LENGTH (FT)	DIA. @ TOP	DIA. @ BOTT.	THICKNESS	LENGTH (FT)
50	6"	9 1/2"	5/16"	25	9 1/2"	13"	5/16"	25
60	6"	11 1/2"	5/16"	30	11 1/2"	17"	5/16"	30
70	6"	13 1/2"	5/16"	35	13 1/2"	21"	5/16"	35



ANCHOR BOLT DETAIL

NOTES:

For foundation details and CCTV pole locations, see CCTV Pole Foundation Details.

The location of erection channels to be determined by the manufacturer of pole. For Section C-C, see CCTV Pole Foundation Details.

See Missouri Standard Plans Drawing 901.01 for transformer base details.

Transformer base shall be certified as meeting the breakaway criteria and structural requirements as set by the current "AASHTO Standard Specifications For Structural Supports For Highway Signs, Luminaires, and Traffic Signals".

All foundations shall contain a 3/4" diameter copper clad ground rod. Ground rod shall have a minimum of 5' of earth contact, except in rock.

Temporary steel casing may be required in each shaft to prevent soil collapse.

All conduits and anchor bolts shall be rigidly installed before the concrete is placed. Anchor bolts shall be spaced by means of a template, the center of which shall coincide with the center of the foundation.

High strength bolts, nuts and washers shall conform to AASHTO M164, or high strength bolts conforming to ASTM A193 and grades B5, B6, B7 or B16, and nuts conforming to ASTM A194 will be permitted.

All anchor bolts shall be fully galvanized.

All foundations shall be grounded.

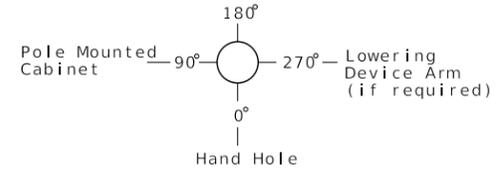
If the ground rod cannot be installed vertically without damage, the ground rod may be installed at 45 deg (max.) from vertical.

All poles shall include a grounding lug accessible from the handhole.

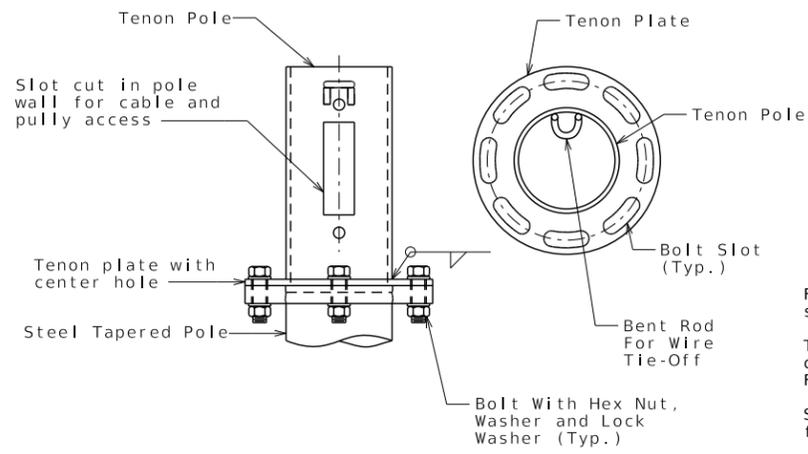
Handhole shall be approximately 6" x 12". Handhole frame shall be reinforced so that the pole strength is not reduced. Supply 1/8" handhole cover with 3/4" long bolts for attaching cover to handhole reinforcing.

A galvanized screen shall be used between the post base plate and concrete base. Screens shall be press-formed of 3 or 4 mesh, 21 gage or heavier, stainless steel or hot-dipped galvanized wire screen or approved equivalent, that will provide a friction-tight fit when installed.

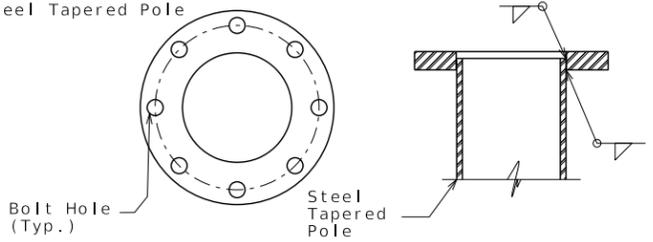
Tenon assembly shall be per the lowering device manufacturer's details. Coordinate pole top plate details with tenon assembly details. Tenon assembly shall be shown on shop drawing submittal.



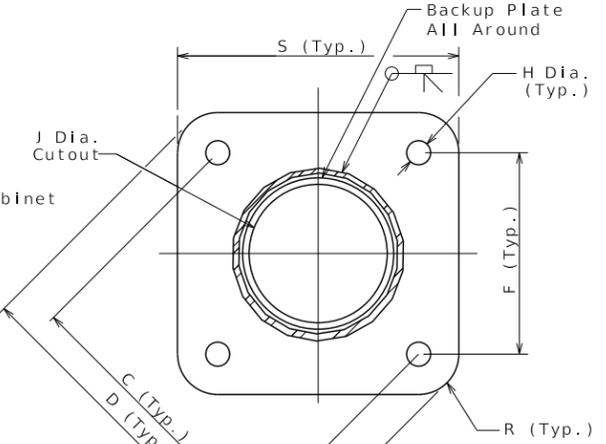
ASSEMBLY ORIENTATION



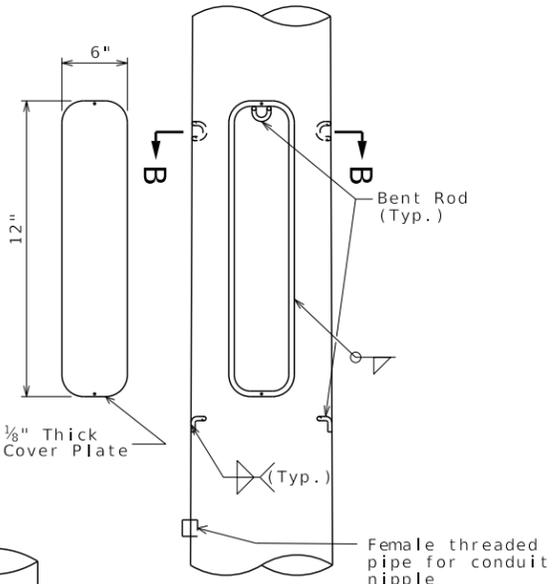
TENON ASSEMBLY DETAILS



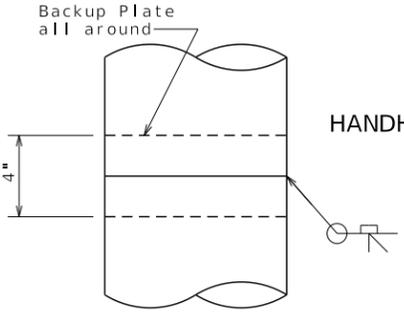
POLE TOP PLATE DETAILS



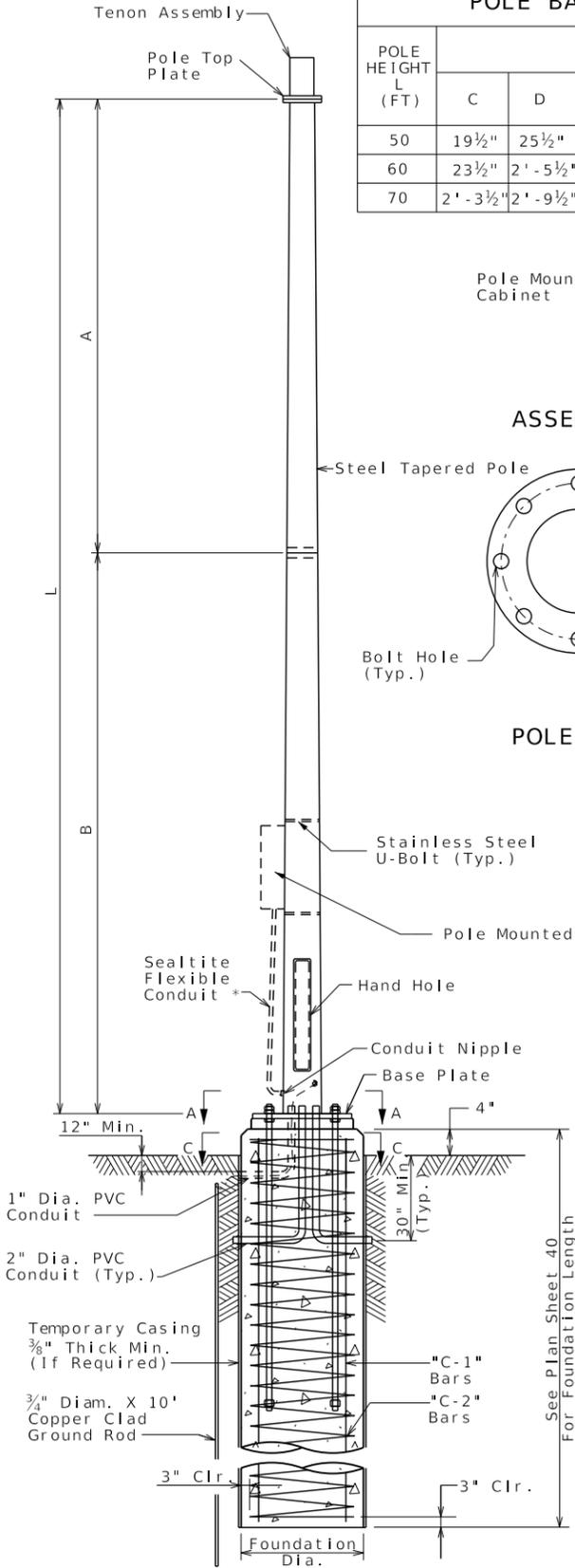
SECTION A-A



HANDHOLE DETAILS



POLE SPLICE DETAIL



TYPICAL CAMERA POLE

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 2 of 4

Detailed Oct. 2025
Checked Oct. 2025

CCTV POLE DETAILS

ITS DETAIL SHEET
SHEET 2 OF 4

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