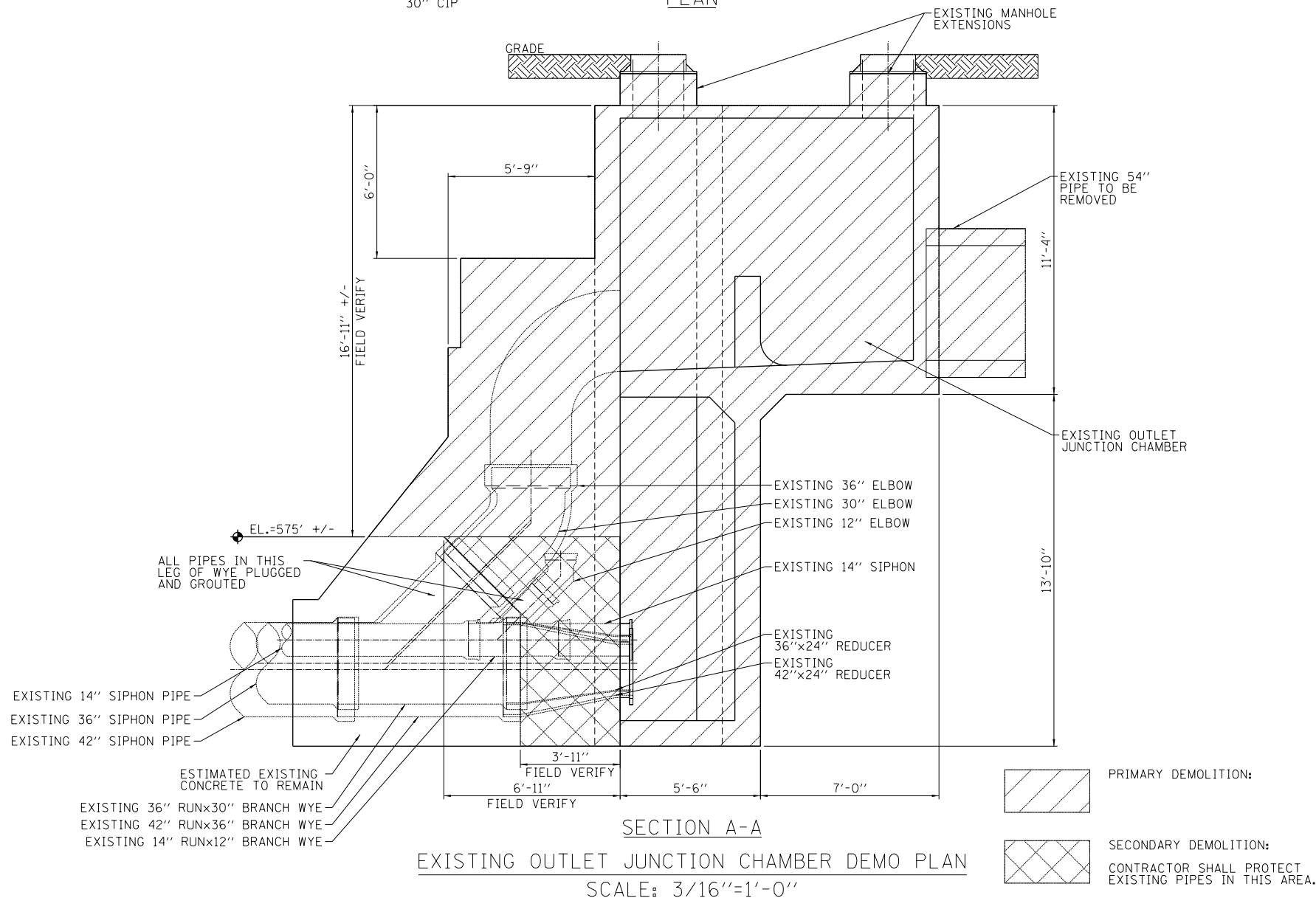
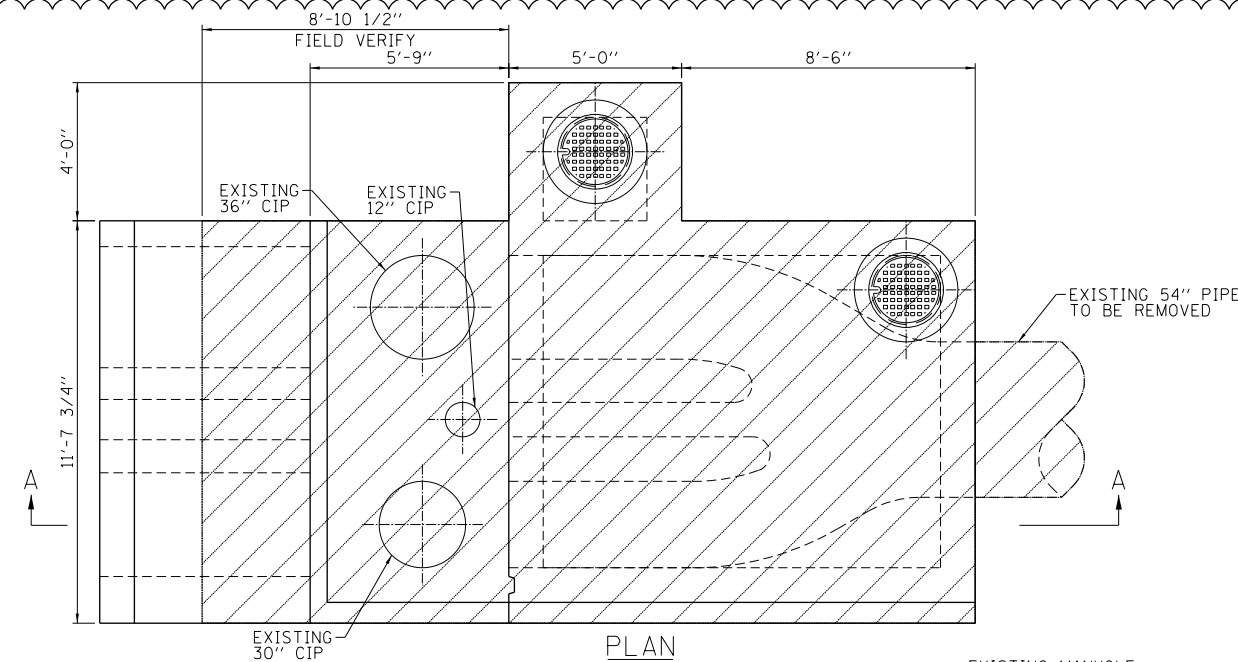


**NOTES:**

- ALL DIMENSIONS, ELEVATIONS AND PIPE SIZES SHOWN HAVE BEEN TAKEN FROM RECORD DRAWINGS TITLED (INCLUDED IN THE PLANS);  
WEST ROUTE SUPER HIGHWAY  
PLANS FOR PEORIA STREET BRIDGE SECTION 2525.1B  
F.A.ROUTE NO. 131 PROJECT UI261(29)  
APPROVED JULY 1, 1949
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND SIZES PRIOR TO CONSTRUCTION OR DEMOLITION AND REPORT DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING
- CONDITION OF THE EXISTING 54" BRICK COMBINED SEWER PIPE IS EXPECTED TO BE GOOD AND THE EXTERIOR SURFACE SUITABLE FOR APPLICATION OF AN ADHESIVE WATER STOP SYSTEM.
- DEMOLITION OF THE EXISTING OUTLET JUNCTION CHAMBER SHALL BE CONDUCTED USING CAUTION SO THAT THE EXISTING SIPHON PIPES ARE NOT DAMAGED. IN PARTICULAR CARE SHALL BE TAKEN WHEN REMOVING CONCRETE FROM AROUND THE REDUCER FITTINGS AND THE CONNECTION TO THE LARGER PIPE.
- CAUTION SHALL BE TAKEN DURING DEMOLITION SO THE BYPASS PIPING IS NOT DAMAGED.
- GEOMETRY OF THE CONNECTION FLANGE ON THE EXISTING 42" X 24" REDUCER PIPE FLANGE HAS BEEN TAKEN FROM THE PROVIDED DRAWINGS AND SHALL BE VERIFIED.



**SEQUENCE OF CONSTRUCTION:**

THE SEQUENCE OF CONSTRUCTION MUST INSURE THAT SEWER FLOWS WILL BE UNINTERRUPTED DURING THE CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR DEVELOPING THE SEQUENCE OF CONSTRUCTION FOR THE WORK. THE FOLLOWING SEQUENCE OF CONSTRUCTION WAS DEVELOPED AS ONE OPTION AND IS THE BASIS FOR THE BYPASS PIPING AND STRUCTURES AS SHOWN IN THE PLANS. OTHER CONSTRUCTION SEQUENCES WILL BE CONSIDERED.

- EXCAVATE AND EXPOSE THE EXISTING 54" BRICK SEWER.
- REMOVE AND CAP CURB INLET PIPING.
- CONSTRUCT THE PROPOSED OUTLET JUNCTION BOX AROUND THE EXISTING 54" BRICK SEWER. THE BOX WOULD BE PERMANENTLY SEALED AGAINST THE OUTSIDE OF THE 54" BRICK SEWER ON THE NORTH END. THE BOX WILL HAVE NO TOP AND THE TEMPORARY WALL #1 IS SEALED AGAINST THE 54" BRICK SEWER. THE BASE OF THE BOX WILL BE CAST AGAINST THE UNDERSIDE OF THE BRICK SEWER.
- THE 24" HDPE BYPASS LINE IS CONNECTED TO THE PROPOSED OUTLET JUNCTION BOX AND RUN TO THE EXISTING OUTLET JUNCTION CHAMBER.
- THE 42" SIPHON LINE IS TEMPORARILY PLUGGED AT THE SOUTH END, DEWATERED AND CLEANED.
- THE 36" WYE BRANCH LINE ON THE 42" SIPHON LINE IS PLUGGED AND PERMANENTLY GROUTED TIGHT BELOW ELEVATION 575.00.
- THE EXTERIOR WALL OF THE EXISTING OUTLET JUNCTION CHAMBER IS REMOVED TO AN EXTENT SO THE 24" BYPASS LINE CAN BE CONNECTED TO THE 24" FLANGE CONNECTION ON THE 42" SIPHON LINE.
- THE EXISTING 54" BRICK SEWER WITHIN THE PROPOSED OUTLET JUNCTION BOX IS REMOVED.
- TEMPORARY WALL #2 IS CONSTRUCTED IN THE PROPOSED OUTLET JUNCTION BOX SEPARATING THE INLET 54" SEWER LINE FROM THE 24" BYPASS LINE AND OUTLET 54" SEWER LINE.
- SEWER FLOWS ARE DIVERTED TO THE 42" SIPHON LINE AND THE 24" BYPASS LINE.
- THE 36" AND 14" SIPHON LINES ARE TEMPORARILY PLUGGED AT THE SOUTH END, DEWATERED AND CLEANED.
- THE EXISTING OUTLET JUNCTION CHAMBER ABOVE ELEVATION 575.00, THE EXISTING 54" SEWER LINE FROM THE EXISTING OUTLET JUNCTION CHAMBER TO THE PROPOSED OUTLET JUNCTION BOX AND THE TEMPORARY WALL #1 OF THE PROPOSED OUTLET JUNCTION BOX ARE REMOVED.
- THE PERMANENT SOUTH WALL OF THE PROPOSED OUTLET JUNCTION BOX IS CONSTRUCTED WITH 42", 36" AND 14" WALL PIPES.
- THE 30" AND 12" WYE BRANCH LINES ON THE 36" AND 14" SIPHON LINES ARE PLUGGED AND PERMANENTLY GROUTED TIGHT.
- THE CONCRETE AROUND THE 42", 36" AND 14" SIPHON LINES IS CAREFULLY REMOVED EXPOSING THE 42" X 24" AND 36" X 24" REDUCERS AND THE 14" PIPE.
- THE 36" X 24" REDUCER IS REMOVED AND THE NEW 36" PIPE IS CONNECTED. THE 14" PIPE FLANGE SECTION IS REMOVED AND THE NEW 14" PIPE IS CONNECTED.
- THE 36" AND 14" SIPHON LINES ARE CONSTRUCTED FROM THE EXISTING OUTLET JUNCTION CHAMBER TO THE PROPOSED OUTLET JUNCTION BOX.
- THE 42" SIPHON LINE IS CONSTRUCTED FROM THE PROPOSED OUTLET JUNCTION BOX TO THE EXISTING OUTLET JUNCTION CHAMBER.
- THE THREE SIPHON LINES ARE ENCASED IN CONCRETE.
- INTERIOR BAFFLE WALLS AND FORMED INVERTS ARE CONSTRUCTED ON THE DRY (SOUTH) SIDE OF THE TEMPORARY WALL #2.
- THE TEMPORARY WALL #2 IS REMOVED FROM THE PROPOSED OUTLET JUNCTION BOX.
- SEWER FLOWS ARE DIVERTED TO THE 36" AND 14" SIPHON LINES.
- THE INVERT IN THE PROPOSED OUTLET JUNCTION BOX IS COMPLETED ON THE WET (NORTH) SIDE OF THE PROPOSED OUTLET JUNCTION BOX.
- THE 42" SIPHON AND 24" BYPASS LINES ARE PLUGGED AND DEWATERED.
- THE 24" BYPASS LINE IS REMOVED. AND THE 24" OPENING IN THE PROPOSED OUTLET JUNCTION BOX IS PERMANENTLY SEALED.
- THE 42" X 24" REDUCER IS REMOVED AND THE NEW 42" LINE IS CONNECTED TO THE EXISTING 42" SIPHON LINE.
- AREA AROUND THE SIPHON PIPE CONNECTIONS IS FILLED WITH ENCASEMENT CONCRETE.
- THE TOP OF THE PROPOSED OUTLET JUNCTION BOX IS CONSTRUCTED ALONG WITH THE ACCESS MANHOLE AND CONNECTIONS TO THE ADJACENT CURB INLET STRUCTURES.
- FLOW ESTABLISHED IN THE 3 SIPHON LINES.

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USER NAME = BAW1tor t	DRAWN - CWD	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - JWC	REVISED -
PLOT DATE = 12/19/2013	DATE - 10/30/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIPHON DEMOLITION DETAILS  
PEORIA STREET**

SCALE: NONE SHEET 4 OF 11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-011R	COOK	356	73
CONTRACT NO. 60W29			ILLINOIS FED. AID PROJECT	