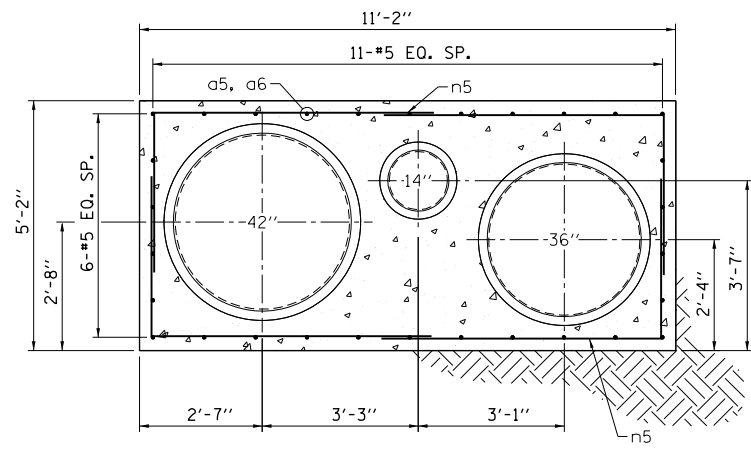
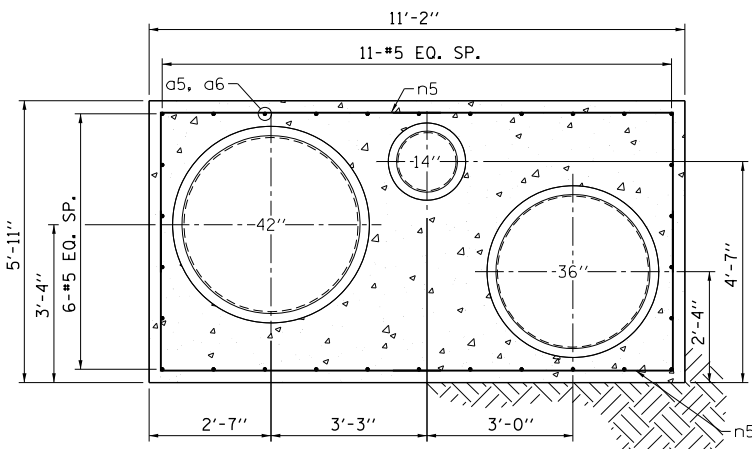


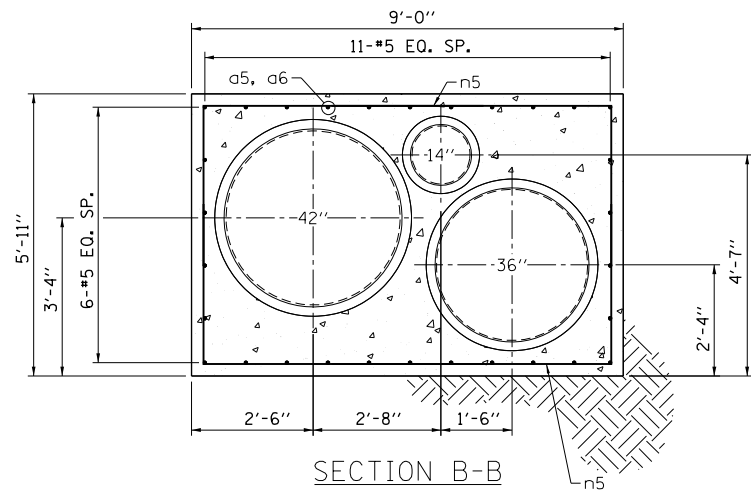
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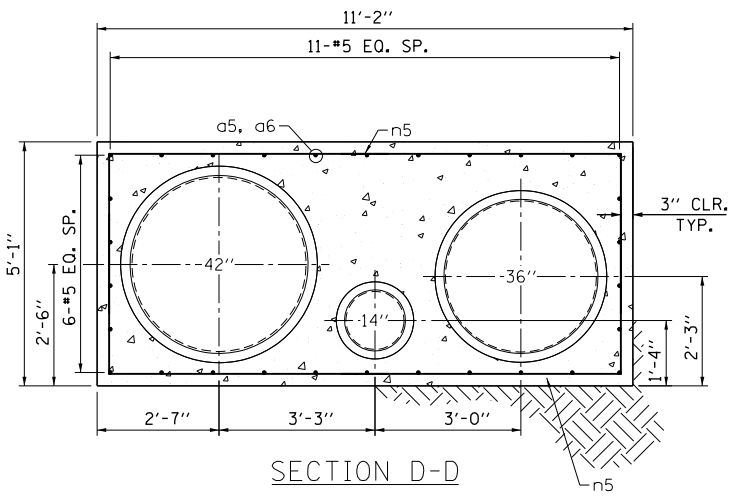
SECTION A-A



SECTION C-C



SECTION B-B



SECTION D-D

CONCRETE ENCASEMENT DETAIL
SCALE: 1/4"=1'-0"

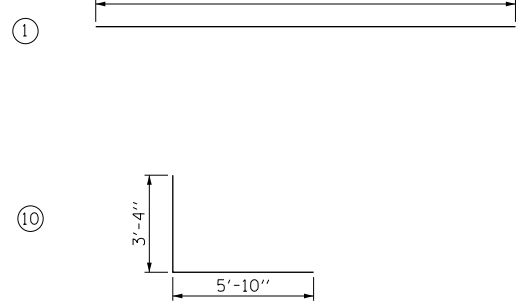
NOTES:

1. THE SURFACE UNDER THE SIPHON PIPE ENCASEMENT SHALL BE EXAMINED FOR ANY SOFT OR YIELDING AREAS. ANY AREAS FOUND SHALL BE EXCAVATED AND RECOMPACTED TO PROVIDE SUITABLE SUPPORT FOR THE SIPHON PIPES.
2. THE NEW DUCTILE IRON SIPHON PIPE AND FITTINGS SHALL BE SECURELY SUPPORTED TO INSURE NO MOVEMENT OCCURS PRIOR TO OR DURING PLACEMENT OF THE SIPHON PIPE CONCRETE ENCASEMENT. THE SIPHON PIPE SHALL BE SUPPORTED SO THAT A MINIMUM OF SIX (6) INCHES OF CONCRETE ENCASEMENT CAN BE PLACED AROUND THE PIPE. MEASURES SHALL BE TAKEN TO INSURE FULL CONSOLIDATION OF THE CONCRETE ENCASEMENT MATERIAL OCCURS AROUND AND UNDER THE SIPHON PIPES.
3. THE NEW DUCTILE IRON SIPHON PIPE SHALL BE SECURELY SUPPORTED AT THE CONNECTION TO THE EXISTING SIPHON PIPES TO MINIMIZE ANY LOAD ON THE EXISTING PIPE.

BILL OF MATERIAL (FOR INFORMATION ONLY)					
BAR MARK	NO.	SIZE	LENGTH	SHAPE	NOTES
a5	60	#5	40'-0"	1	LAP 2'-0" MIN.
a6	30	#5	23'-0"	1	LAP 2'-0" MIN.
a7	30	#5	2'-0"	1	DOWLES
n5	384	#5	9'-2"	10	LAP 1'-0" MIN, 3'-2" MAX
CONCRETE STRUCTURES			CU YD	131.7	
REINFORCEMENT BARS			POUND	6954	

1. COST OF CONCRETE STRUCTURES AND REINFORCEMENT BARS IS INCLUDED WITH SIPHON RECONSTRUCTION.

BAR SHAPE



D160W29-sht-Siphon-05.dgn	DESIGNED - JEH	REVISED - 01/20/2014
USER NAME = BAW:tor t	DRAWN - CWD	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - JWC	REVISED -
PLOT DATE = 1/21/2014	DATE - 10/30/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIPHON DETAILS
PEORIA STREET

SCALE: NONE SHEET 6 OF 11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-011R	COOK	356	75
CONTRACT NO. 60W29				
ILLINOIS FED. AID PROJECT				