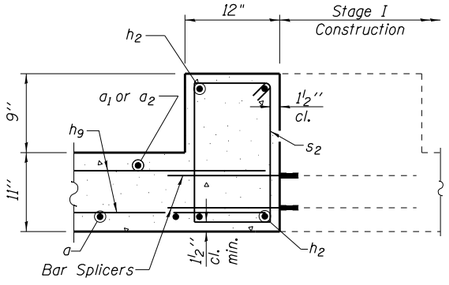
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

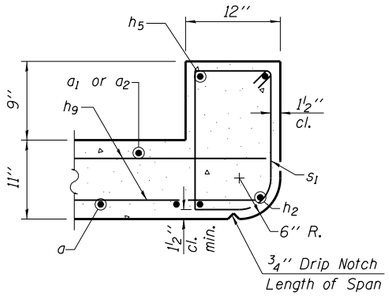
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 57	**	IROQUOIS	190	61
FED. ROAD DIST. NO.	ILLINOIS			

**(38-4)RS-2, (38-4)BR1 Contract No. 66757

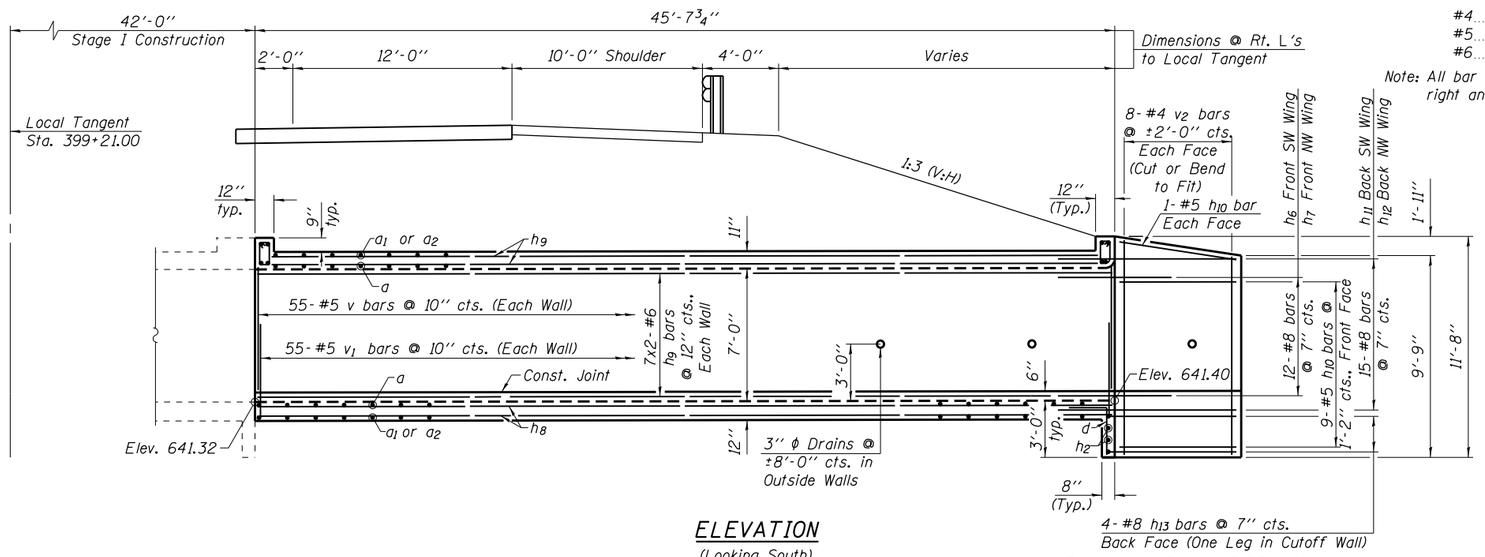
Sheet 5 of 11 Sheets



SECTION B-B



SECTION C-C



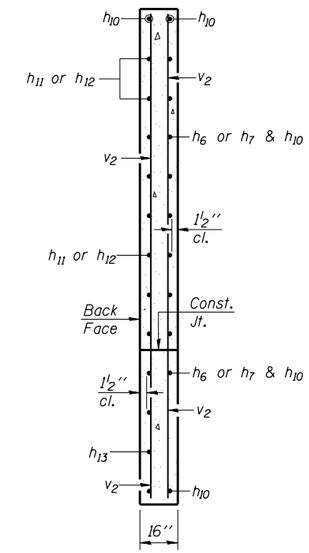
ELEVATION
(Looking South)

WING WALL REINFORCEMENT

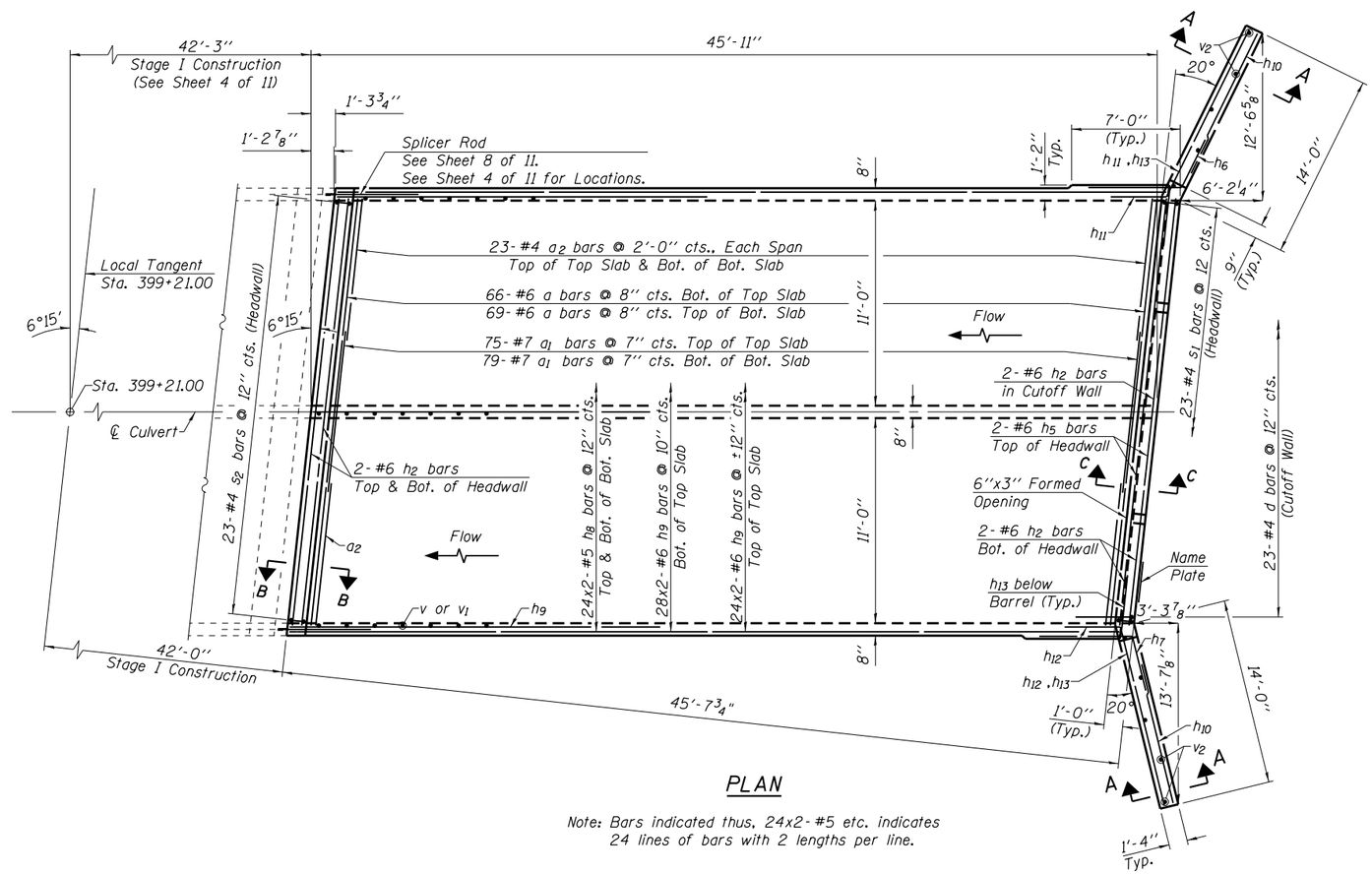
MINIMUM BAR LAP - BARREL

#4 ..... 1'-4"
#5 ..... 1'-8"
#6 ..... 2'-0"

Note: All bar spacings shown are at right angles to bars.



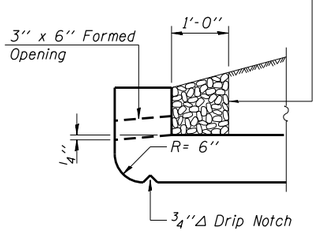
SECTION A-A



PLAN

Note: Bars indicated thus, 24x2-#5 etc. indicates 24 lines of bars with 2 lengths per line.

Coarse aggregate to be placed full length of all drained headwalls by Grading Contractor. Cost included with Concrete Box Culverts.



AT UPSTREAM END

DRAIN DETAILS

BILL OF MATERIAL - STAGE II (SOUTHBOUND)

Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape
a	135	#6	25'-1"		s_1	23	#4	4'-11"	
a_1	154	#7	11'-6"		s_2	23	#4	5'-1"	
a_2	92	#4	7'-9"						
					v	165	#5	7'-6"	
d	23	#4	5'-6"		v_1	165	#5	3'-0"	
					v_2	32	#4	11'-4"	
h_2	8	#6	23'-9"						
h_5	2	#6	23'-0"						
h_6	12	#8	9'-0"						
h_7	12	#8	9'-0"						
h_8	96	#5	23'-9"						
h_9	146	#6	24'-0"						
h_{10}	22	#5	13'-9"						
h_{11}	15	#8	17'-2"						
h_{12}	15	#8	16'-11"						
h_{13}	8	#8	14'-11"						

Stone Riprap, Class A4	Sq. Yd.	50
Filter Fabric	Sq. Yd.	50
Reinforcement Bars	Pound	22,040
Name Plate	Each	1
Concrete Box Culverts	Cu. Yd.	121.0

Note: See Sheet 7 of 11 for additional Culvert Details & Bar Bends.

STAGE II CULVERT CONSTRUCTION
SOUTHBOUND LANES
I-57 OVER
DANFORTH TOWNSHIP DRAINAGE DITCH
F.A.I. ROUTE 57
SECTION (38-4)RS-2, (38-4)BR1
IROQUOIS COUNTY
STATION 399+21.00
S.N. 038-2020

DESIGNED -	S.F.M.
CHECKED -	J.A.M.
DRAWN -	S.A.P.
CHECKED -	S.F.M. & J.A.M.

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ENGINEERING AND SCIENCE CONSULTANTS
FREEPORT, IL ROCKFORD, IL ROCHELLE, IL MONROE, WI SPRINGFIELD, IL

JOB NO.: 46810J
FILE: CULV-DTLS(2).DGN
DATE: 11/11/08