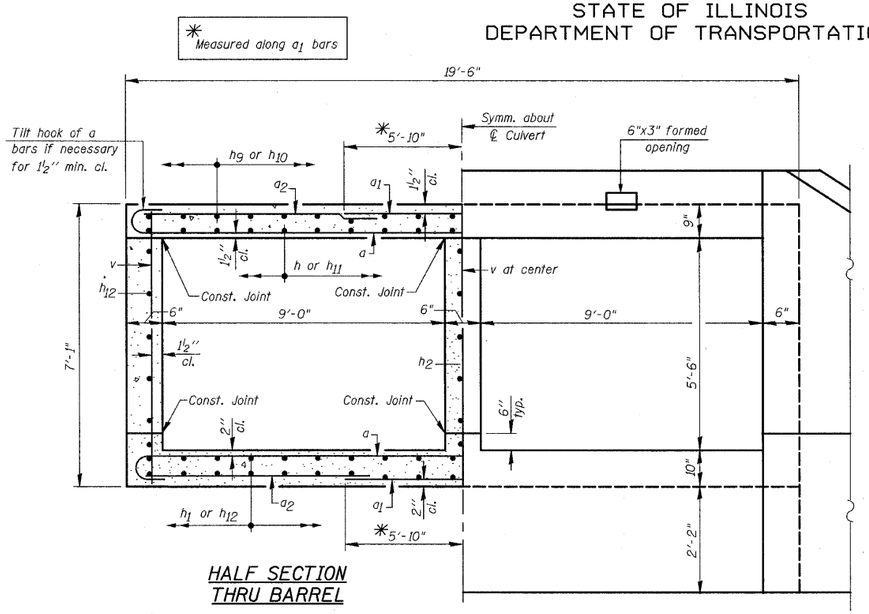
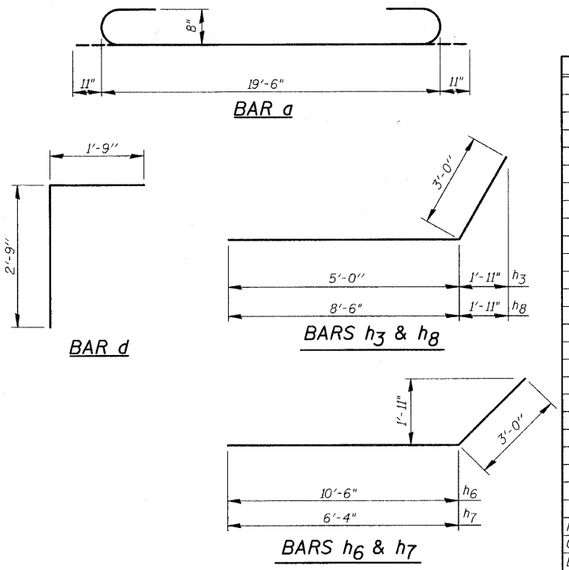
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



HALF SECTION THRU BARREL

HALF END ELEVATION

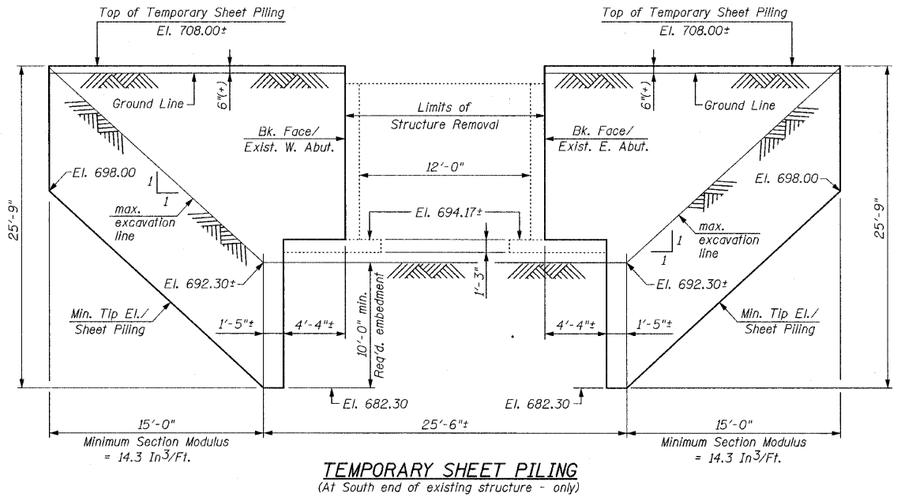
All dimensions are measured Rt. L's to ℄, except as noted



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	280	#8	21'-4"	
a_1	376	#8	11'-8"	
a_2	564	#4	5'-3"	
a_3	4	#9	19'-6"	
d	38	#4	4'-6"	
h	60	#7	25'-0"	
h_1	174	#5	24'-4"	
h_3	20	#6	8'-0"	
h_4	10	#6	19'-7"	
h_5	4	#5	19'-7"	
h_6	18	#6	13'-6"	
h_7	22	#6	9'-4"	
h_8	16	#6	11'-6"	
h_9	60	#4	24'-1"	
h_{10}	60	#4	25'-6"	
h_{11}	60	#7	26'-4"	
h_{12}	174	#5	25'-8"	
v	640	#5	6'-7"	
v_1	16	#4	9'-7"	
Reinforcement Bars		Pound	53,440	
Concrete Box Culverts		Cu Yd	222.1	
Bar Splicers		Each	98	
Removal And Disposal of Unsuitable Material For Structures		Cu Yd	662	
Rockfill		Cu Yd	662	
Stone Riprap, Class A4		Sq Yd	100	
Filter Fabric		Sq Yd	117	
Temporary Sheet Piling		Sq Ft	700	

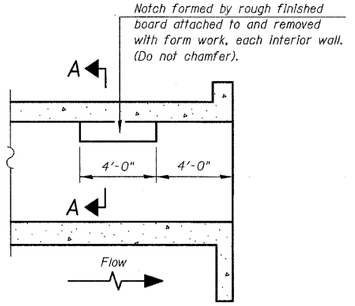
Notes:
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
Bars indicated thus 20x3-#5 etc., indicates 20 lines of bars with 3 lengths per line.



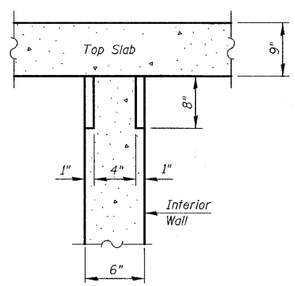
TEMPORARY SHEET PILING
(At South end of existing structure - only)

NOTES:

If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including details and calculations will be required for review and acceptance by the Engineer.
The Contractor shall connect the first sheet to the existing abutment wall to ensure stability of sheets driven to the top of the existing footing. This connection shall be reviewed and accepted by the Engineer and included in the cost for Temporary Sheet Piling.

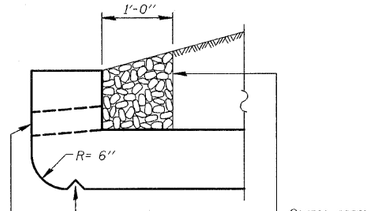


LONGITUDINAL SECTION



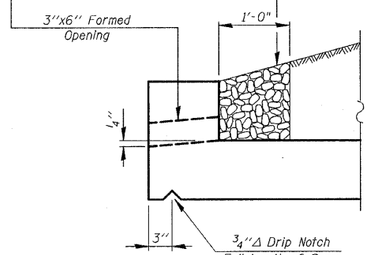
SECTION A-A

PHOEBE NESTING SITE DETAILS
(Downstream End Only)



AT UPSTREAM END

Coarse aggregate full length of both headwalls. To be placed by Grading Contractor. Cost included with Concrete Box Culverts



AT DOWNSTREAM END DRAIN DETAIL

REINFORCEMENT DETAILS-II
IL. ROUTE 56 OVER
FERRY CREEK
F.A.P. RTE. 365
SECTION (58&59) WRS-3
DuPAGE COUNTY
STA. 150+84.00
STRUCTURE NO. 022-2025

DESIGNED	-
CHECKED	-
DRAWN	-
CHECKED	-

CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 60606
PHONE: (312)372-2023 FAX: (312)372-5274

SHEET NO. S4	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S7 SHEETS	365	(58&59) WRS-3	DuPAGE	466	203
			CONTRACT NO. 62420		
		ILLINOIS	FED. AID PROJECT		