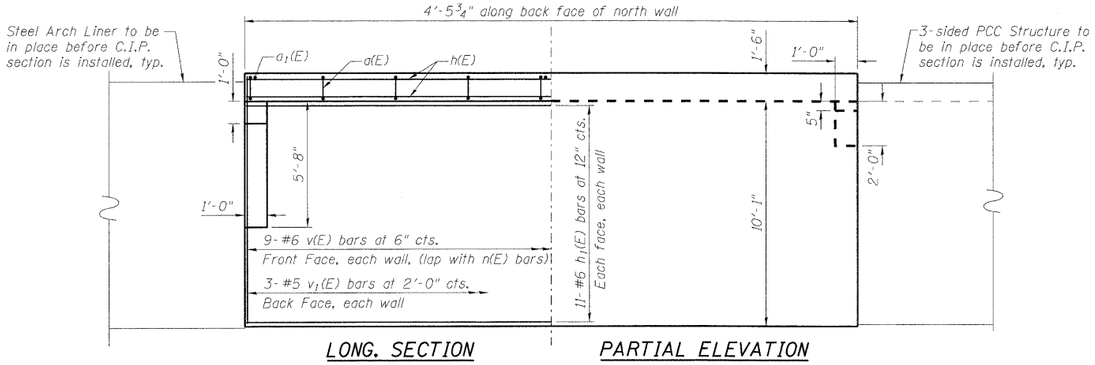
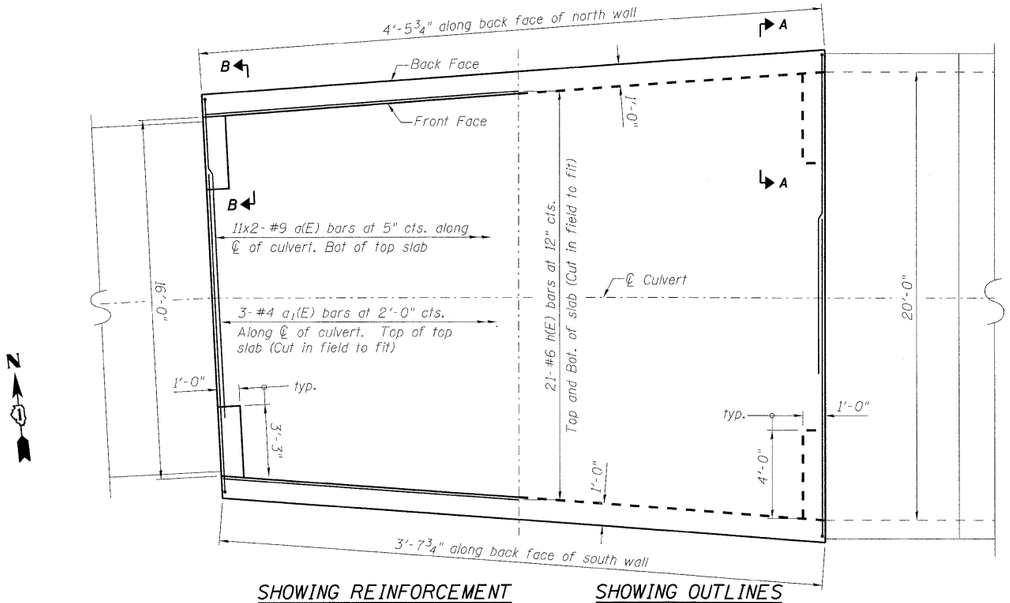
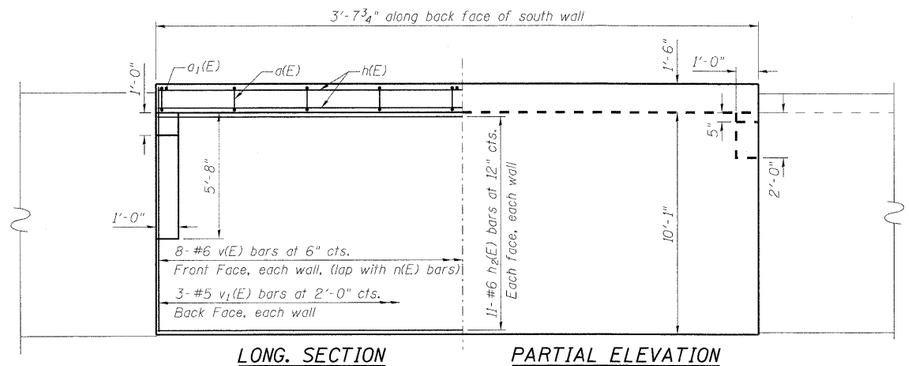


NORTH CULVERT WALL



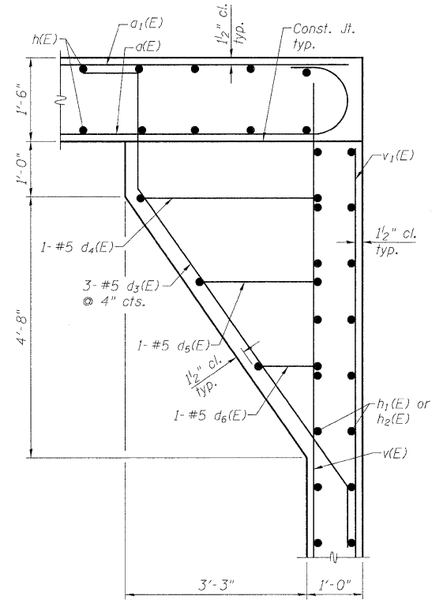
SHOWING REINFORCEMENT SHOWING OUTLINES

PLAN



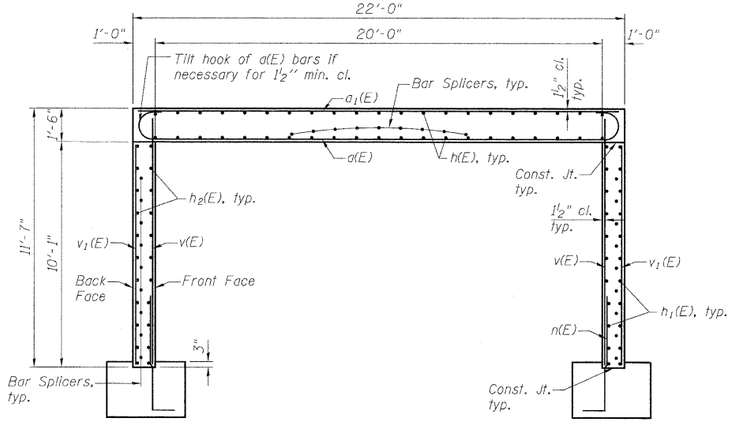
LONG. SECTION PARTIAL ELEVATION

SOUTH CULVERT WALL



SECTION B-B

(Looking at NW corner, SW corner similar)



SECTION THRU C.I.P. 3-SIDED CULVERT

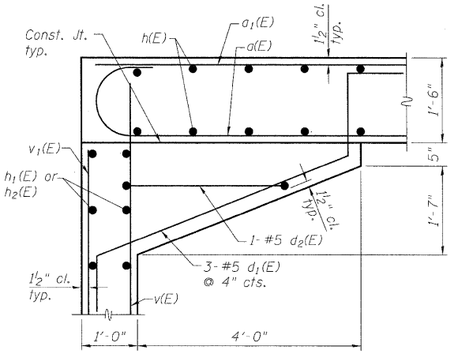
(Looking West)

NOTES

See sht S3 of S11 for C.I.P. footing details and reinforcement, including bar n(E).

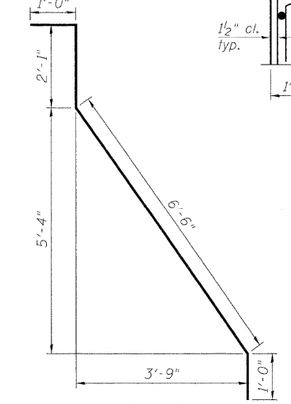
Bars indicated thus 11 x 2-#9 etc. indicates 11 lines of bars with 2 lengths per line.

The Contractor shall vary the cross section of the CIP sections accordingly to match the cross sections of the Corrugated Steel Arch Liner and Three Sided Precast Concrete Structures. The Contractor shall provide revised concrete dimensions and rebar details to the Engineer for review prior to ordering the reinforcement. This work associated with varying the cross section of the CIP sections shall not be paid for separately, but shall be included in the cost of the Concrete Box Culverts.

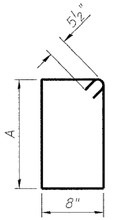


SECTION A-A

(Looking at NE corner, SE corner similar)



BAR d3(E)

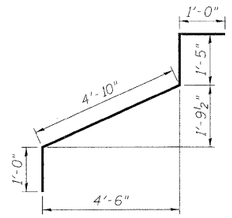


BARS d2(E), d4(E), d5(E) and d6(E)

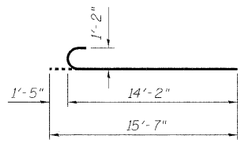
Bar	A
d2(E)	2'-10"
d4(E)	3'-2"
d5(E)	2'-1"
d6(E)	1'-0"

MINIMUM BAR LAPS

#9 = 6'-10"



BAR d1(E)



BAR d(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	22	#9	15'-7"	
a1(E)	3	#4	21'-6"	
d1(E)	6	#5	8'-3"	
d2(E)	2	#5	7'-11"	
d3(E)	6	#5	10'-7"	
d4(E)	2	#5	8'-7"	
d5(E)	2	#5	6'-5"	
d6(E)	2	#5	4'-3"	
h(E)	42	#6	3'-10"	
h1(E)	22	#6	4'-0"	
h2(E)	22	#6	3'-2"	
v(E)	17	#6	11'-3"	
v1(E)	6	#5	9'-9"	
Concrete Box Culverts			Cu. Yd.	8.2
Reinforcement Bars, Epoxy Coated			Pound	2210

LOMCO, INC.
CONSULTING ENGINEERS
1560 WALL ST, SUITE 222
NAPERVILLE, ILLINOIS 60563 Phs (630) 577-9100

DESIGNED - SLV	REVISED -	
CHECKED - MJM	REVISED -	
DRAWN - SLV	REVISED -	
CHECKED - MJM	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CAST-IN-PLACE TRANSITION WEST END
STRUCTURE NO. 099-0538
SHEET NO. S5 OF S11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	D-T	WILL	44	24
	D-91-265-06	CONTRACT NO. 60B10		
	ILLINOIS FED. AID PROJECT			