93448

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
556	04-00119-03-BR	SANGAMON	26	16
STA.	TO STA.			
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT		

SHEET 2 OF 6

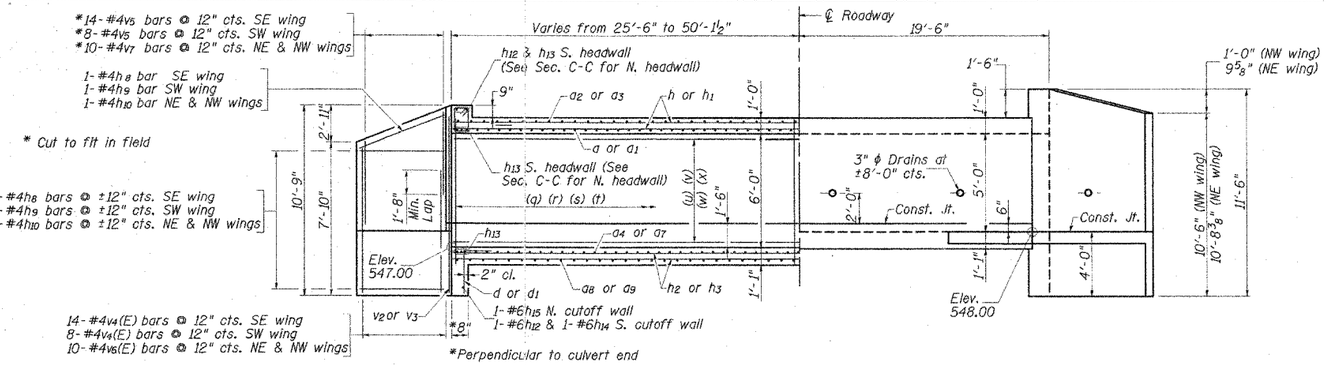
*14-#4v5 bars @ 12" cts. SE wing
*8-#4v5 bars @ 12" cts. SW wing
*10-#4v7 bars @ 12" cts. NE & NW wings

1-#4h8 bar SE wing
1-#4h9 bar SW wing
1-#4h10 bar NE & NW wings

* Cut to fit in field

8-#4h8 bars @ ±12" cts. SE wing
8-#4h9 bars @ ±12" cts. SW wing
9-#4h10 bars @ ±12" cts. NE & NW wings

14-#4v4(E) bars @ 12" cts. SE wing
8-#4v4(E) bars @ 12" cts. SW wing
10-#4v6(E) bars @ 12" cts. NE & NW wings



*Perpendicular to culvert end

HALF LONG. SECTION
(Thru center barrel)

HALF ELEVATION
(Showing Outer Barrel)

Dimensions are at Rt. L's to Roadway

MIN. BAR LAP

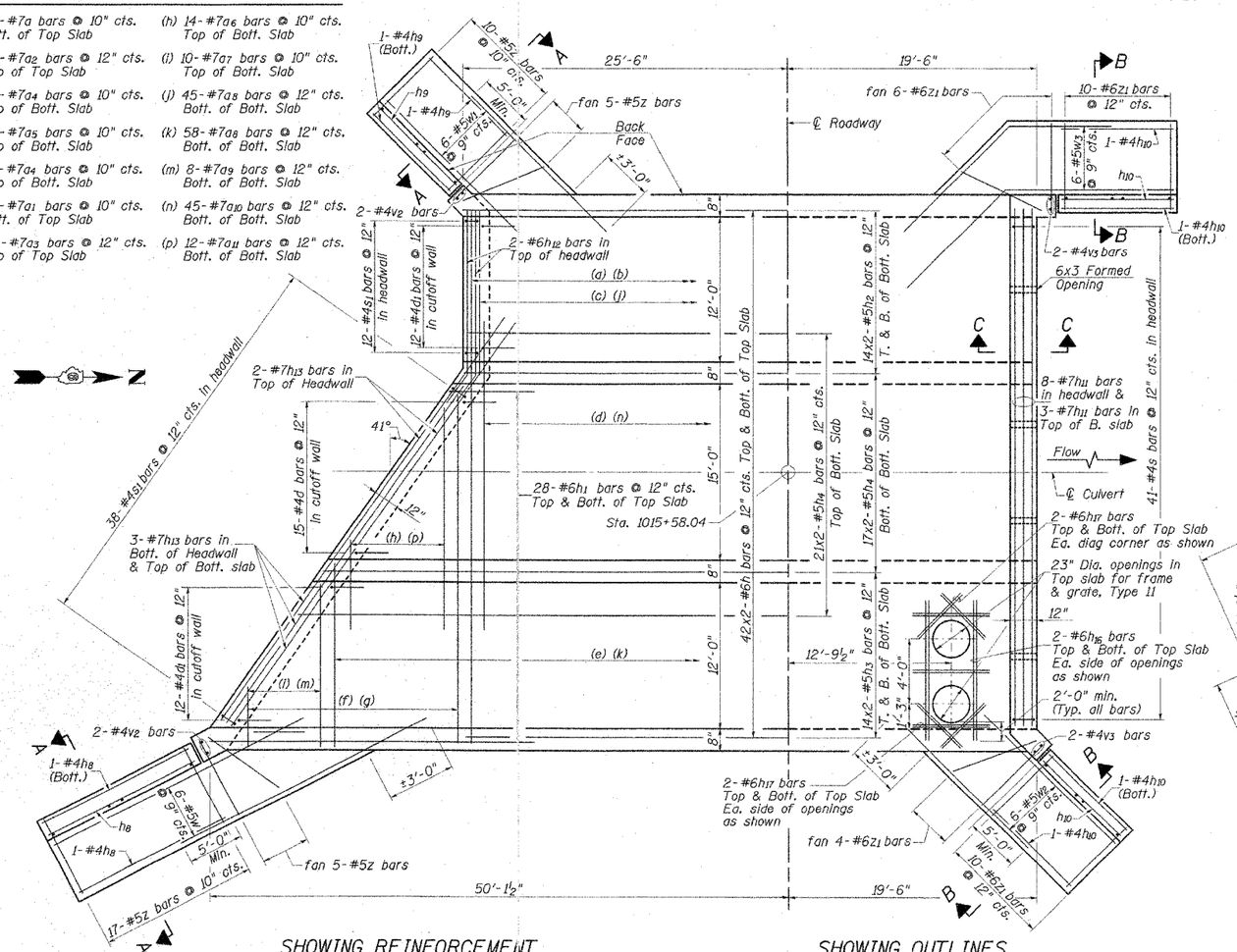
#5 Bar = 1'-8"
#6 Bar = 2'-0"

BAR CALLOUTS ELEVATION VIEW

(q) 54-#5v bars @ 10" cts. West Outer Wall
(r) 84-#5v bars @ 10" cts. East Outer Wall
(s) 54-#5v1 bars @ 10" cts. West Inner Wall
(t) 71-#5v1 bars @ 10" cts. East Inner Wall
(u) 5x2-#5h5 bars @ 12" cts. West Outer Wall
(v) 6x2-#5h5 bars @ 12" cts. West Inner Wall
(w) 6x2-#5h6 bars @ 12" cts. East Inner Wall
(x) 5x2-#5h7 bars @ 12" cts. East Outer Wall

BAR CALLOUTS PLAN VIEW

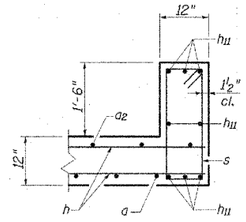
(a) 54-#7a bars @ 10" cts. Bott. of Top Slab
(b) 45-#7a2 bars @ 12" cts. Top of Top Slab
(c) 54-#7a4 bars @ 10" cts. Top of Bott. Slab
(d) 54-#7a5 bars @ 10" cts. Top of Bott. Slab
(e) 70-#7a4 bars @ 10" cts. Top of Bott. Slab
(f) 26-#7a1 bars @ 10" cts. Bott. of Top Slab
(g) 22-#7a3 bars @ 12" cts. Top of Top Slab
(h) 14-#7a6 bars @ 10" cts. Top of Bott. Slab
(j) 10-#7a7 bars @ 10" cts. Top of Bott. Slab
(j) 45-#7a8 bars @ 12" cts. Bott. of Bott. Slab
(k) 58-#7a8 bars @ 12" cts. Bott. of Bott. Slab
(m) 8-#7a9 bars @ 12" cts. Bott. of Bott. Slab
(n) 45-#7a10 bars @ 12" cts. Bott. of Bott. Slab
(p) 12-#7a11 bars @ 12" cts. Bott. of Bott. Slab



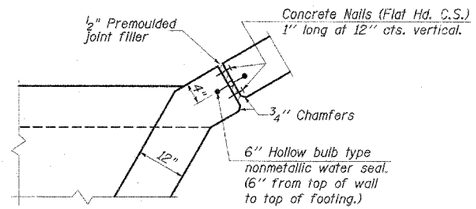
SHOWING REINFORCEMENT

PLAN

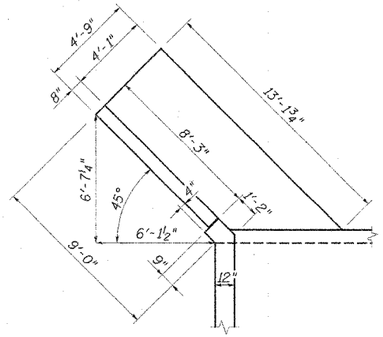
SHOWING OUTLINES



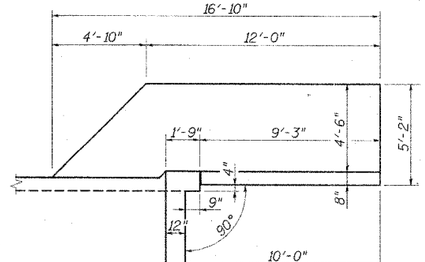
SECTION C-C



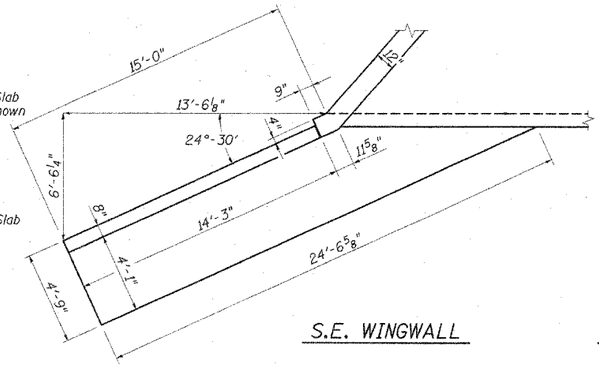
CORNER DETAIL



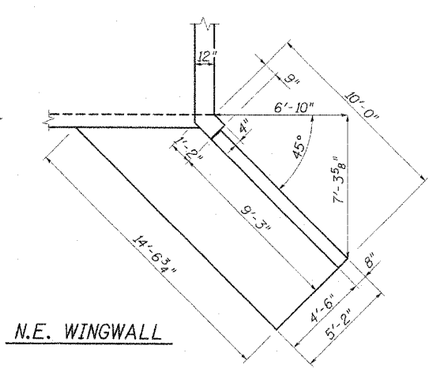
S.W. WINGWALL



N.W. WINGWALL



S.E. WINGWALL



N.E. WINGWALL

NOTES:

1. Bars indicated thus 12x4-#5 etc. indicates 12 lines of bars with 2 lengths per line.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. See Sheet 3 for Section A-A and Section B-B.

REVISIONS NAME	DATE

CMT
CRAWFORD MURPHY & TILLY, INC.
CONSULTING ENGINEERS
SPRINGFIELD, IL ■ AURORA, IL ■ ST. LOUIS, MO
ROCKFORD, IL ■ PEORIA, IL ■ CHICAGO, IL

ILLINOIS DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS 1

F.A. ROUTE 556 (EAST MAIN STREET)
EAST MAIN STREET OVER
BLACK BRANCH
SECTION 04-00119-03-BR STA. 1015+58.04
STR. NO. 084-8010 - SANGAMON COUNTY

SCALE: NONE DRAWN BY: GLD
DATE: 10/23/07 CHECKED BY: WK

L:\Sangamon Co\040290\Drawsheets\CULVERT DETAILS-02.DGN
10/1/2007