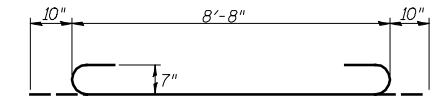
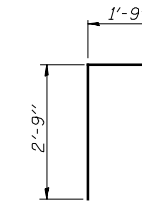


BILL OF MATERIAL

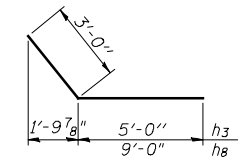
Bar	No.	Size	Length	Shape
q	328	#7	10'-4"	
q2	50	#4	8'-3"	—
q3	18	#4	8'-8"	—
d	18	#4	4'-6"	
h	36	#6	25'-4"	—
h1	72	#4	25'-3"	—
h2	56	#5	25'-7"	—
h3	13	#7	8'-0"	—
h4	2	#6	8'-5"	—
h5	4	#6	9'-7"	—
h6	9	#8	14'-0"	—
h7	12	#8	8'-0"	—
h8	11	#7	12'-0"	—
h9	18	#4	8'-2"	—
h10	7	#5	8'-8"	—
h11	14	#5	11'-2"	—
h12	6	#6	8'-8"	—
v	286	#5	6'-11"	—
v1	28	#6	9'-11"	—
v2	28	#5	8'-9"	—
Concrete Box Culverts			Cu. Yd.	72.4
Reinforcement Bars			Pound	15,740
Porous Granular Embankment			Cu. Yd.	576



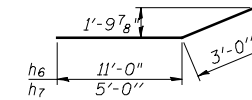
BAR d1



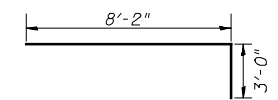
BAR d



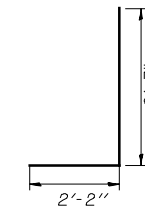
BARS h3 & h8



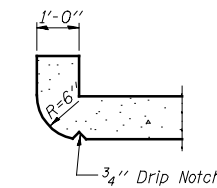
BARS h6 & h7



BAR h11



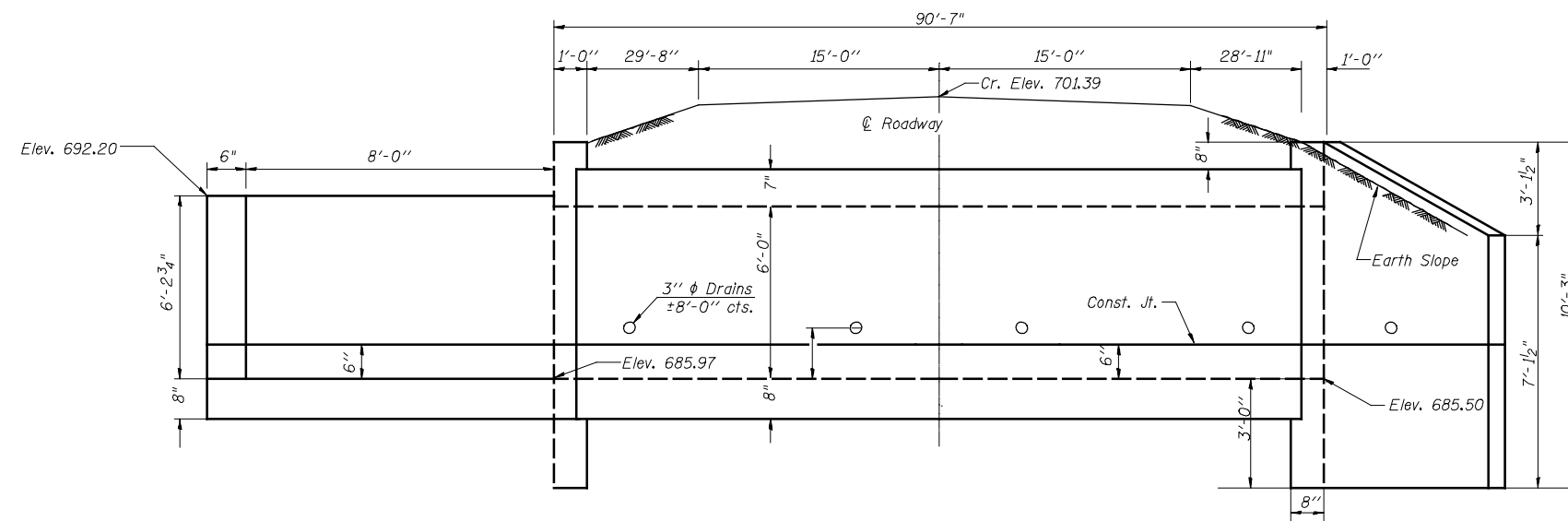
BAR v2



SECTION THRU HEADWALL
(Up Stream End Only)

DESIGN STRESSES

$f_y = 60,000 \text{ psi}$
 $f'_c = 3,500 \text{ psi}$

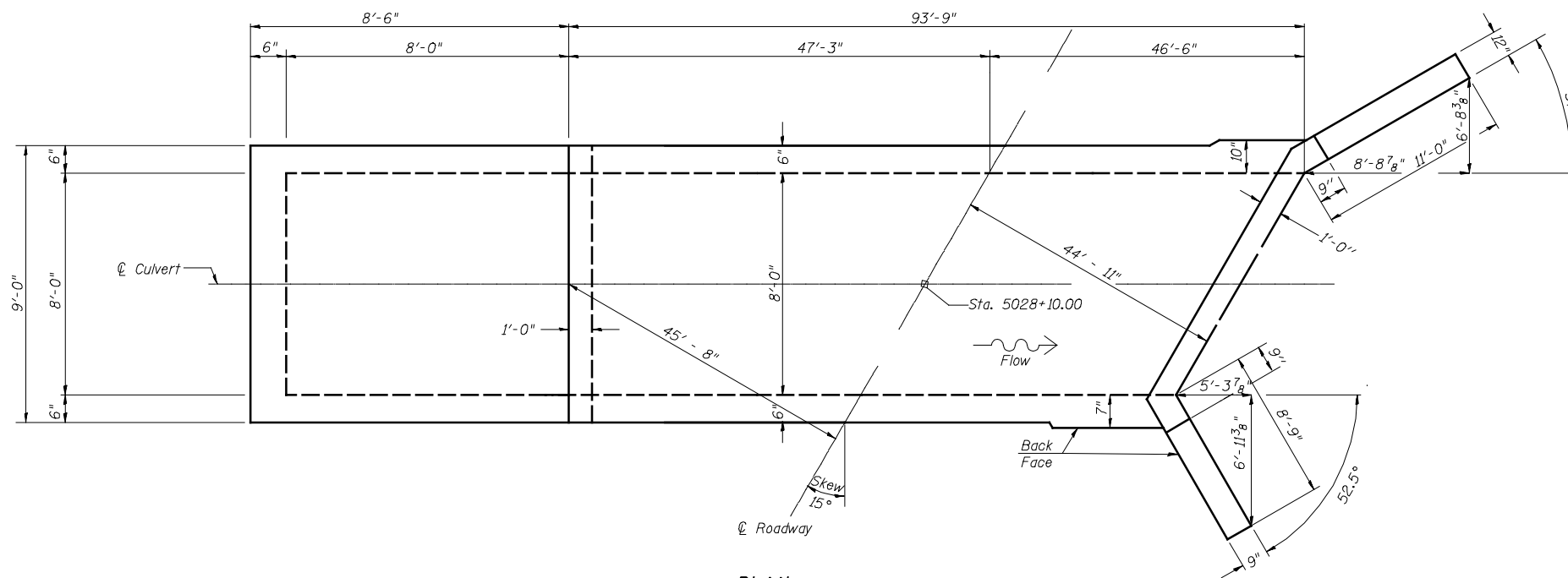


HALF ELEVATION

Dimensions at Rt. L's to C Roadway

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 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.



PLAN

SHOWING OUTLINES

FILE NAME =	USER NAME = jdeen	DESIGNED -	REVISED -
v:\transportation\2891\grading plans\Hermann Final\Culvert 5028+10.00_DETAIL SHEET.dwg		DRAWN -	REVISED -
PLOT SCALE = 2.000000 FT / IN.		CHECKED - JOH	REVISED -
PLOT DATE = 12/12/2012		DATE - 12-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS
STA 5028 + 10.00

SCALE: SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	MCDONOUGH	671	288
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68A42	