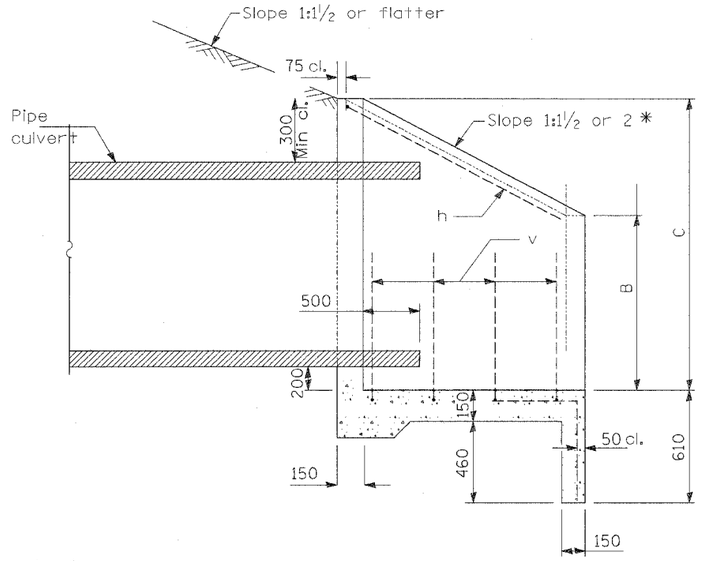
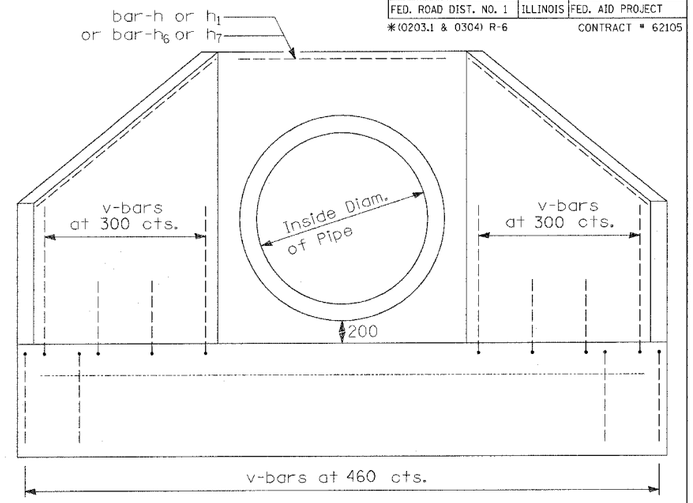
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	231	180
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
*(0203.1 & 0304) R-6	CONTRACT = 62105			

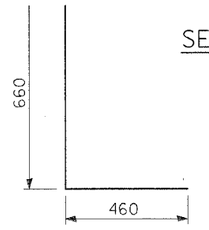


Mark	a	b
h	960	750
h_1	960	980
h_6	1.39 m	1.18 m
h_7	1.39 m	1.50 m



END VIEW

SECTION A-A



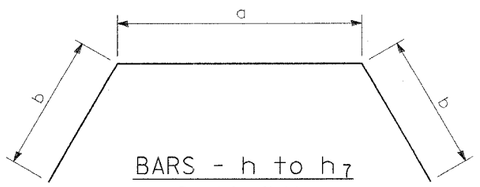
BAR v

PLAN

TABLE OF DIMENSIONS

DESIGN NO.	NOMINAL INSIDE DIAM. of PIPE	SLOPE of FILL	Dimensions A	B	C	D	E	F	Estimated Concrete 2 End Secs m^3	Reinforcement Bars - No. 15 h-Bars Mark	Length	v-bars No.	Total Wt. 2 End Secs kg
D375-1½	375	1:1½	485	517	847	1.01 m	2.07 m	750	0.8	h	2.46 m	16	36
D375-2	375	1:2	660	517	847	1.01 m	2.42 m	1.0 m	1.0	h_1	2.92 m	22	48
D750-1½	750	1:1½	770	769	1.279 m	1.45 m	3.08 m	1.15 m	1.6	h_6	3.75 m	28	60
D750-2	750	1:2	1.01 m	769	1.279 m	1.45 m	3.57 m	1.5 m	2.1	h_7	4.39 m	34	71

* If embankment slope above headwall is flatter than 1:2, provide wings for 1:2 slope.



BARS - h to h_7

Bend in field one required in each headwall

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

All dimensions are in millimeters unless otherwise shown.

See drainage schedule sheet DU-11 for locations of concrete headwalls

DD-4

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (INTERSTATE 80/294)

DRAINAGE DETAILS IV
CONCRETE HEADWALL

DRAWN BY: RCH
CHECKED BY: RCH
DATE: JULY 18, 2005

McDonough Associates Inc.
Engineers / Architects