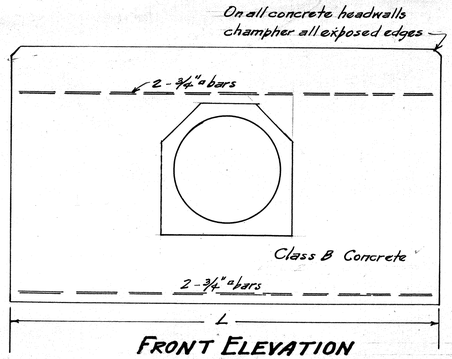
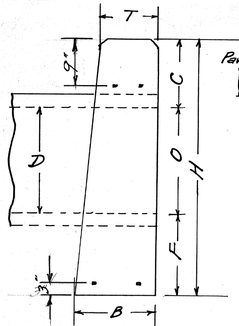
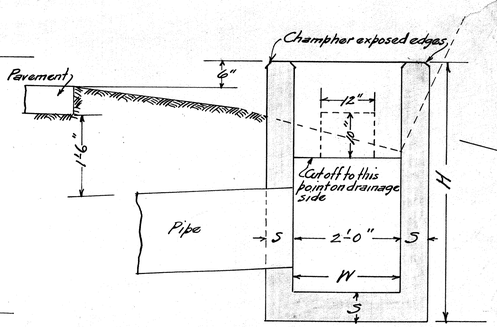


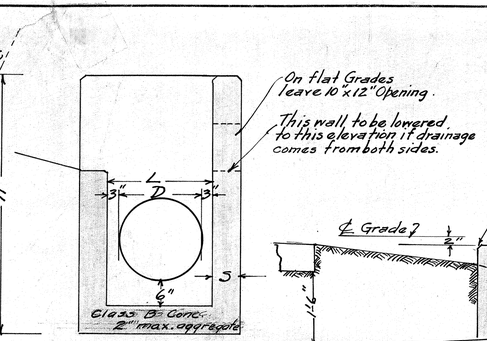
FRONT ELEVATION



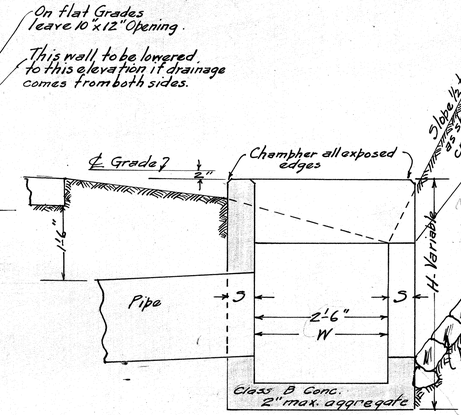
SIDE ELEVATION



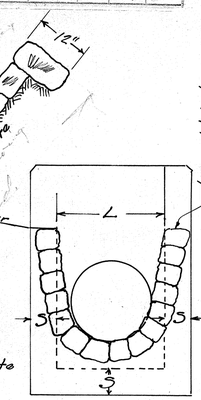
SECTION A-A.



SECTION B-B.



SECTION AA.

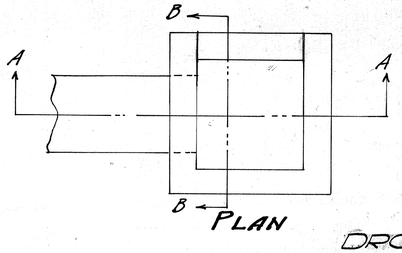


SECTION B-B.

DATE	REVISION	BY	CHK.
9-30-31	Fence Posts	R.W.K.	

DATA-HEADWALLS FOR CONCRETE PIPES									
D	B	T	L	F	O	C	H	Conc-Cu.Yd.s	Steel
18"	1'-6"	1'-0"	6'-6"	1'-6"	18"	1'-3"	4'-3"	1.14 Cu. Yd.s	4-Bars 3/4" x 6'-0"
24"	1'-6"	1'-0"	8'-0"	1'-6"	24"	1'-3"	4'-9"	1.53 " "	4-Bars 3/4" x 7'-6"
30"	2'-0"	1'-0"	10'-0"	1'-6"	30"	1'-3"	5'-3"	2.48 " "	4-Bars 3/4" x 9'-6"

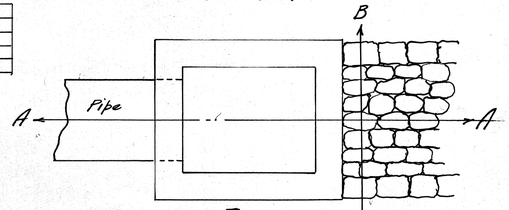
HEAD WALLS FOR PIPE CULVERTS



PLAN

D	W	L=D+6"	H	S
18"	2'-0"	24"	Variable	8"
24"	2'-0"	30"	"	8"
30"	2'-0"	36"	"	9"

DROP INTAKE

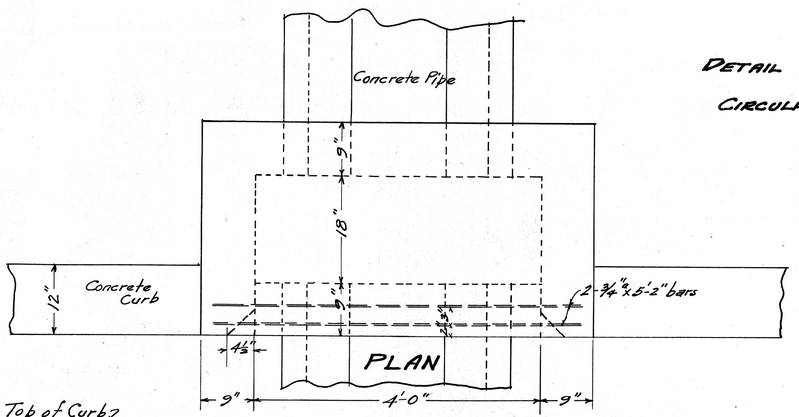


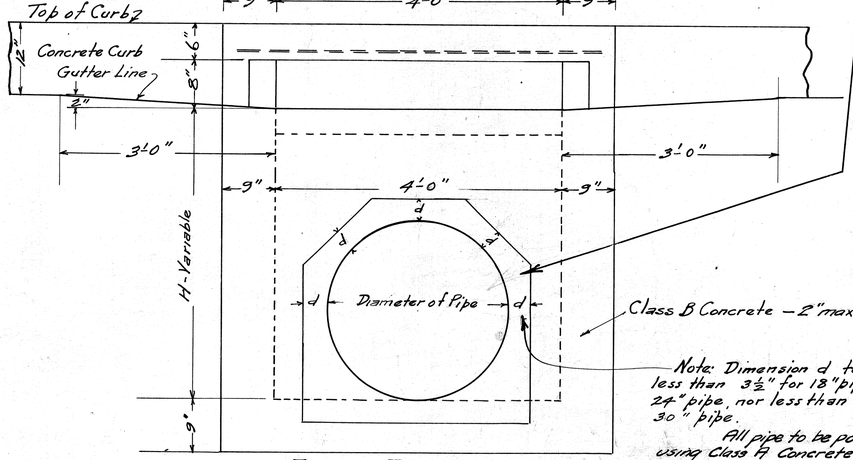
PLAN

D	W	L=D+6"	H	S
18"	2'-6"	24"	Variable	8"
24"	2'-6"	30"	"	8"
30"	2'-6"	36"	"	9"

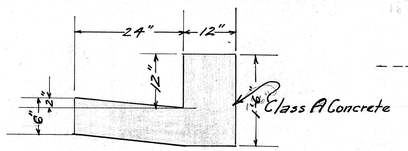
DETAIL DROP INTAKE-ONE PAVED ENTRANCE

DETAIL OF CONCRETE PIPE OR CIRCULAR CONCRETE CULVERT.



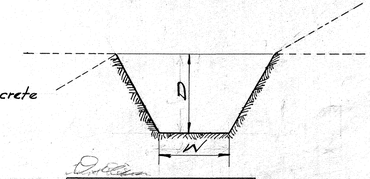


FRONT ELEVATION



CONCRETE CURB & GUTTER

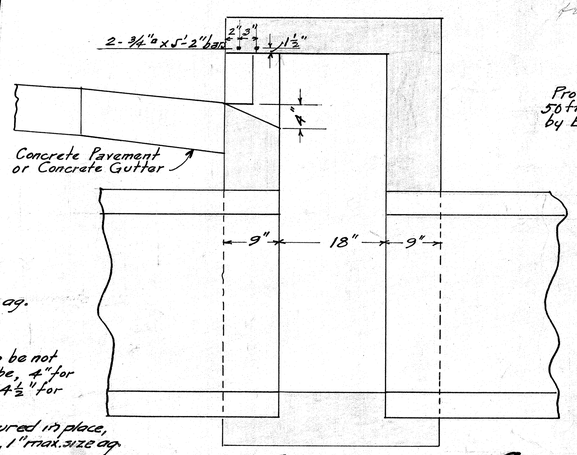
Scale 3/4" = 1'-0"



PIPE	D	W
18"	24"	24"
24"	24"	24"
30"	30"	30"

SECTION OF DITCH

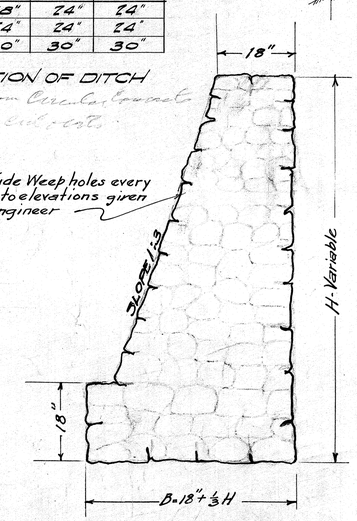
from Circular Concrete culverts



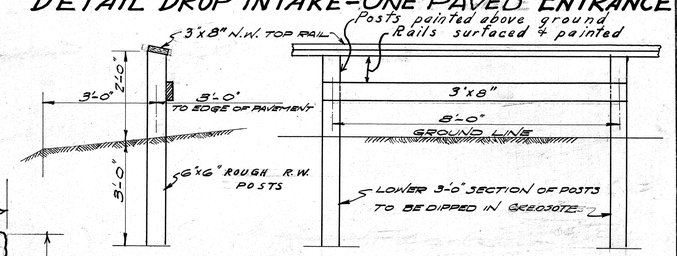
CATCH BASIN

Scale 1" = 1'-0"

SECTION

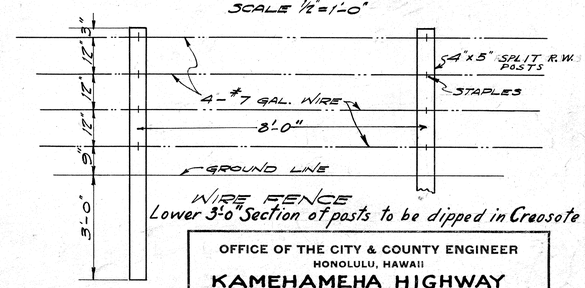


CEMENT RUBBLE MASONRY RETAINING WALL ALSO SEA WALL



GUARD RAILING

SCALE 1/2" = 1'-0"



WIRE FENCE

Lower 3'-0" Section of posts to be dipped in Creosote

OFFICE OF THE CITY & COUNTY ENGINEER
HONOLULU, HAWAII

KAMEHAMEHA HIGHWAY
PROJECT I
STANDARD DETAILS

ENGINEER B.B.M. DATE
DRAFTSMAN S.L.W. CHECKED BY S.L.W.
SCALE As Noted
APPROVED:
CITY & COUNTY ENGINEER

3076.44

6 18 4

FILE	POCKET	FOLDER	NO.
1	3	1	3