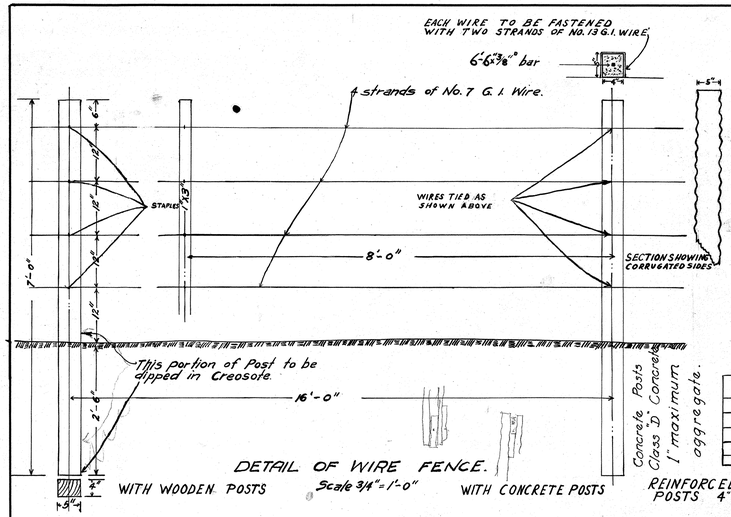
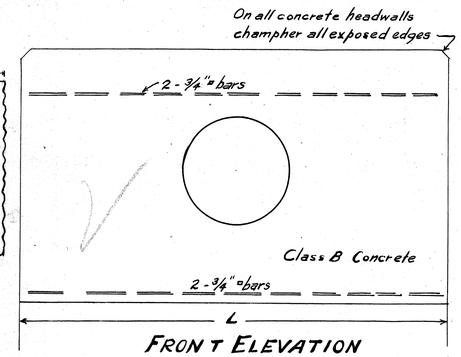
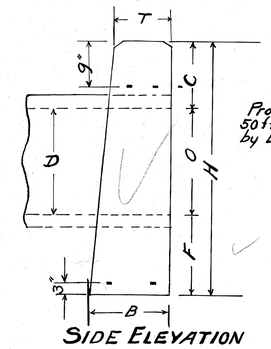


DETAIL OF WIRE FENCE.
Scale 3/4" = 1'-0"



FRONT ELEVATION

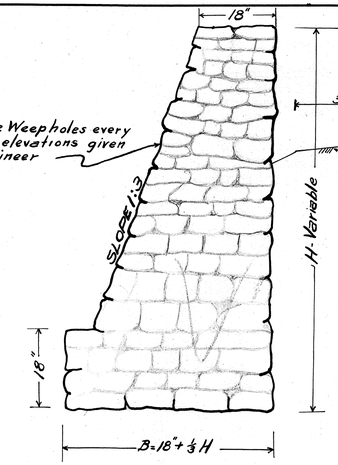


SIDE ELEVATION

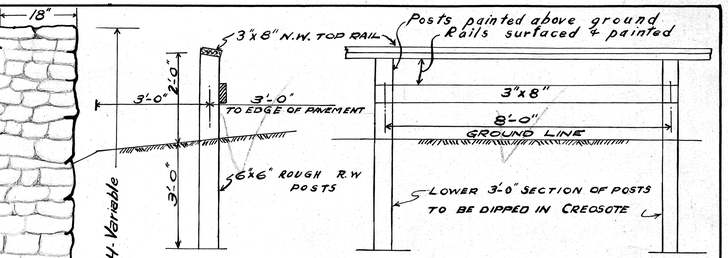
DATA-HEADWALLS FOR CONCRETE PIPES

D	B	T	L	F	O	C	H	Conc. One H.W.	Steel
18"	1'-6"	1'-0"	6'-6"	1'-6"	18"	1'-3"	4'-3"	1.14 Cu. Yds	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"
36"	2'-0"	1'-0"	12'-0"	1'-6"	36"	1'-3"	5'-9"	3.46 " "	4 Bars 3/4" x 11'-6"

HEAD WALLS FOR PIPE CULVERTS OR CIRCULAR CONCRETE CULVERTS

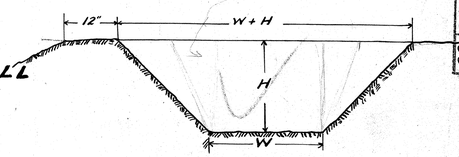


CEMENT RUBBLE MASONRY RETAINING WALL ALSO SEA WALL

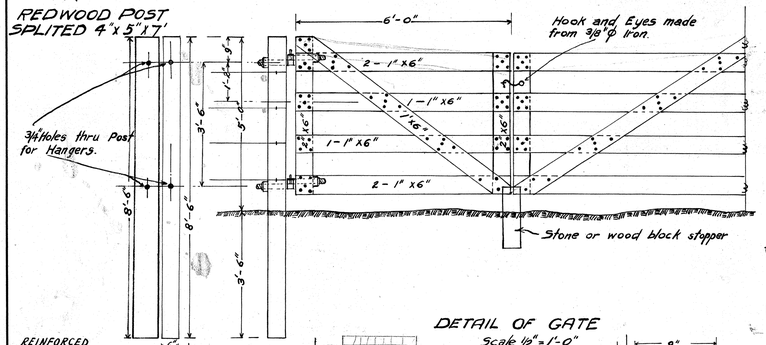


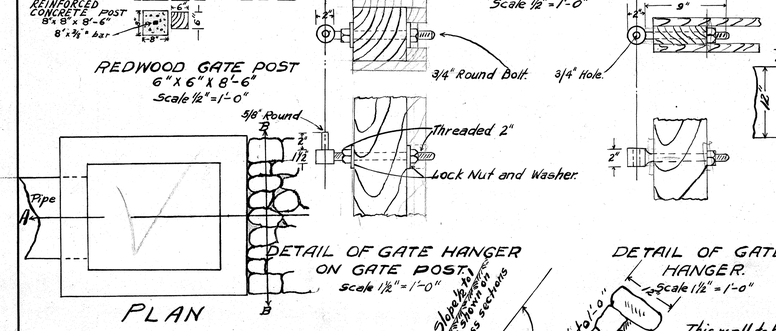
GUARD RAILING
SCALE 1/2" = 1'-0"

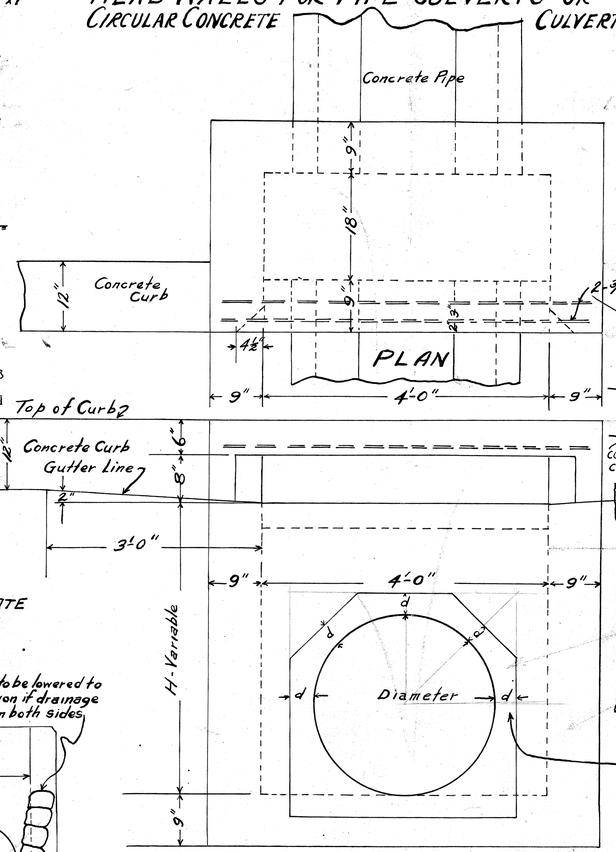
Diameter of Culvert	H	W
18"	24"	24"
24"	24	24"
30"	30	30"



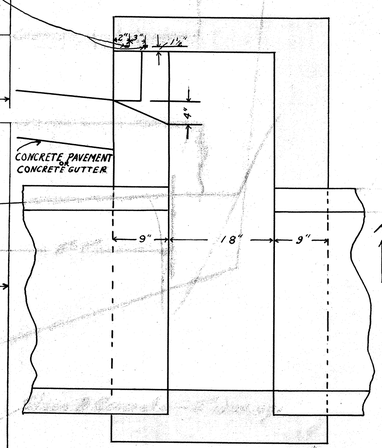
STANDARD SECTION OF OUTLET DITCH.







FRONT ELEVATION

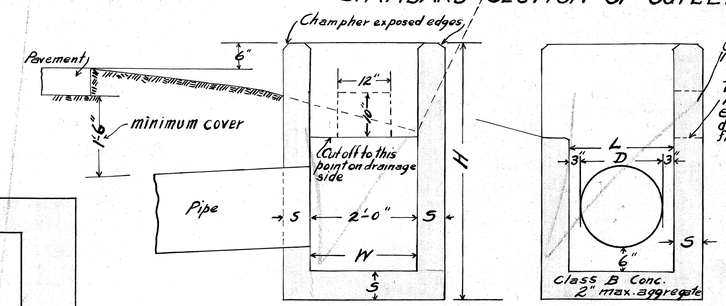


SECTION

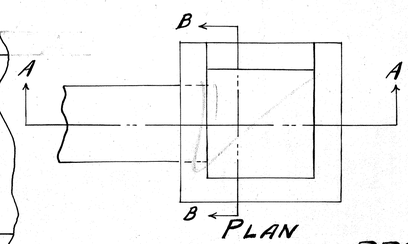
All circular concrete culverts to be poured in place, using Class A Concrete, 1" max. size ag.

CATCH BASIN

Scale 1" = 1'-0"



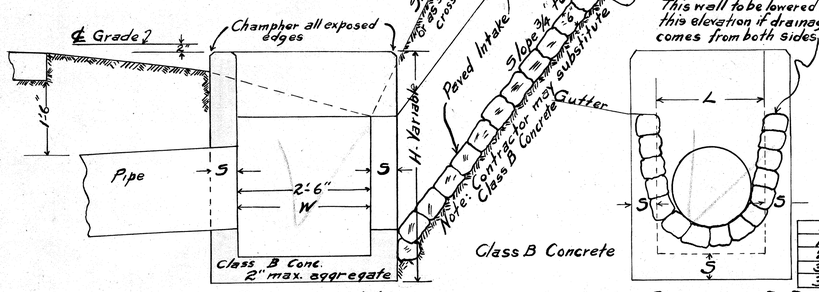
SECTION A-A. SECTION B-B.



PLAN

D	W	L=D+6"	H	S
18"	2'-0"	24"	Variable	8"
24"	2'-0"	30"	"	8"
30"	2'-0"	36"	"	9"
36"	2'-0"	42"	"	9"

DROP INTAKE



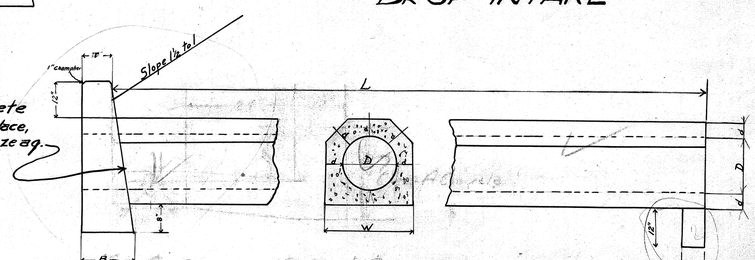
SECTION A-A. SECTION B-B.

DETAIL PAVED ENTRANCE TO DROP INTAKE

D	W	L=D+6"	H	S
18"	2'-6"	24"	Variable	8"
24"	2'-6"	30"	"	8"
30"	2'-6"	36"	"	9"
36	2'-6"	42"	"	9"

Circular Conc. Cul's.

Dia.	d	Vol. Cu. Yd. per Lin. Ft.
18"	4"	2.50
24"	4 1/2"	3.72
30"	5"	5.17
36"	5 1/2"	6.92



CIRCULAR CONCRETE CULVERT

FED. ROAD DIST. NO.	STATE	FISCAL YEAR	TOTAL SHEETS
HAWAII	HAW.	18	33

FED. AID PROJ. NO.	SHEET NO.
1127	3

4011.1S.

Plan File No. 6	Pocket No. 18	Folder No. 3	Plan

STANDARD DETAILS