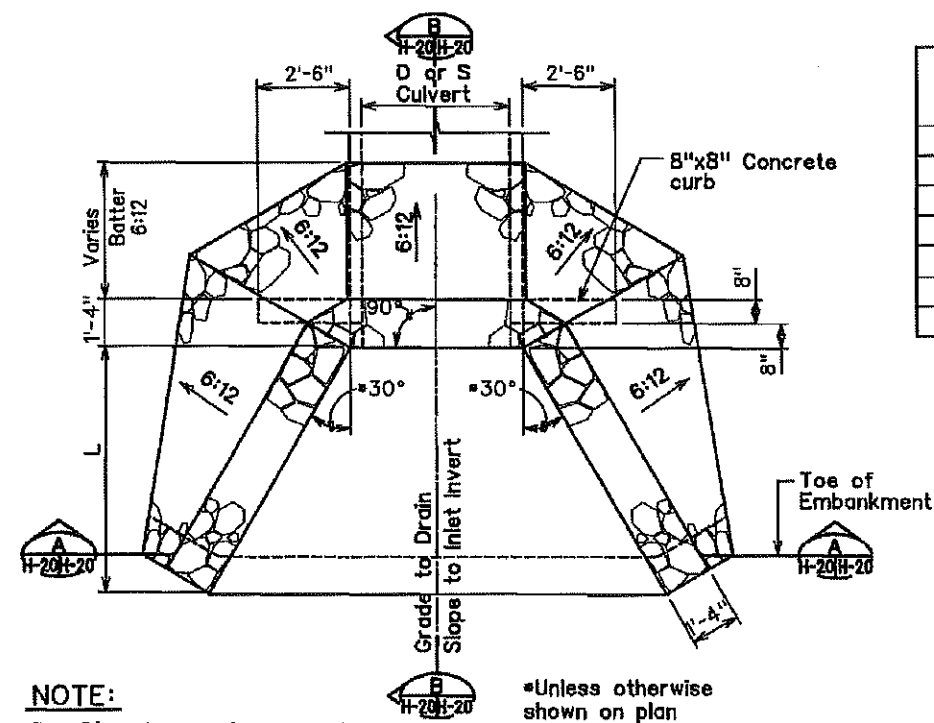


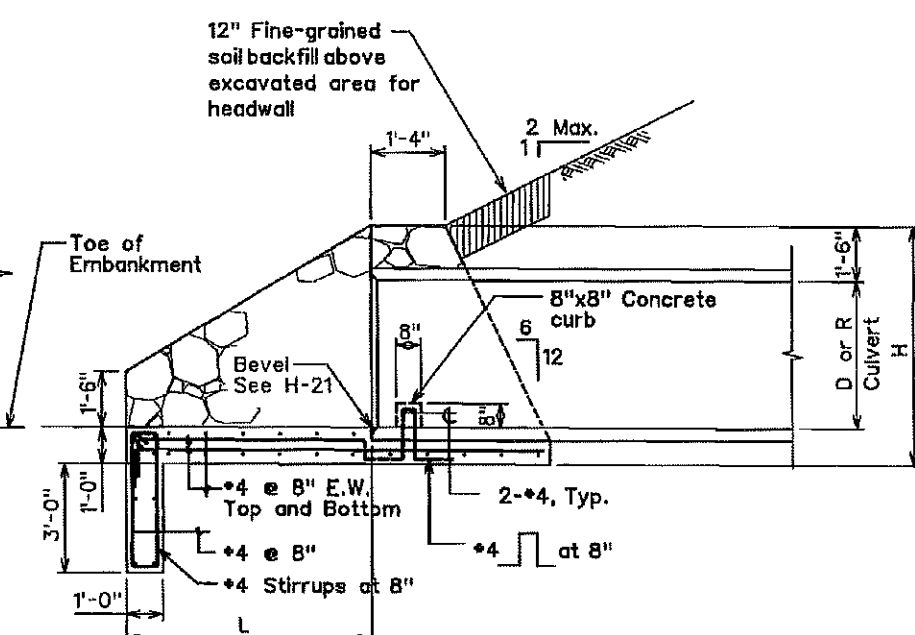
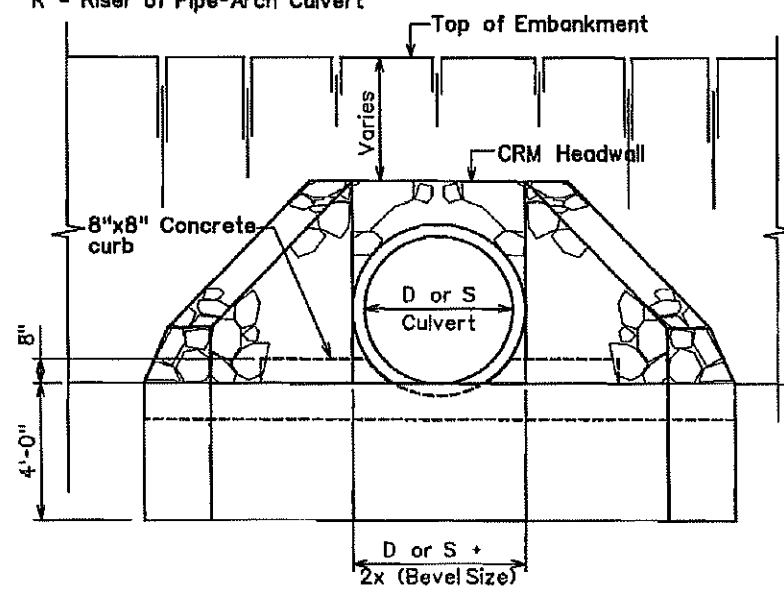
STATE	PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(6)	G25	G28



DATA FOR CRM STRUCTURE		
D	L	H
18"	5'-0"	4'-0"
24"	6'-0"	4'-6"
30"	6'-8"	5'-0"
36"	7'-6"	5'-6"
42"	8'-6"	6'-0"
48"	9'-6"	6'-6"

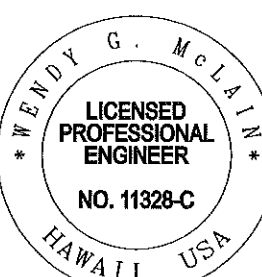
General Notes:
1. Design Criteria
a. Active Horizontal Pressure
- 60 pcf (2 to 1 sloping backfill, above groundwater)
b. Active Vertical Pressure
- 30 pcf (2 to 1 sloping backfill, above groundwater)
c. Strength Bearing Capacity
- 2,500 psf
d. CRM Structures were not designed for Extreme Event Load Combination.

NOTE:
D - Diameter of Pipe Culvert
S - Span of Pipe-Arch Culvert
R - Riser of Pipe-Arch Culvert



SECTION A-A
SECTION B-B
CEMENT RUBBLE MASONRY STRUCTURE

DATE	REVISION	APP'D.
X	X	
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION STANDARD PLAN H-20 CEMENT RUBBLE MASONRY STRUCTURES		



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
SIGNATURE: *Wendy G. McLain* 4/30/2012
EXPIRATION DATE OF THE LICENSE

STANDARD PLAN H-20 05/31/07

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
FEDERAL LANDS HIGHWAY
U.S. CUSTOMARY SPECIAL
(HDOT STD H-20)
CEMENT RUBBLE
MASONRY STRUCTURE
SPECIAL
620-A

NO SCALE