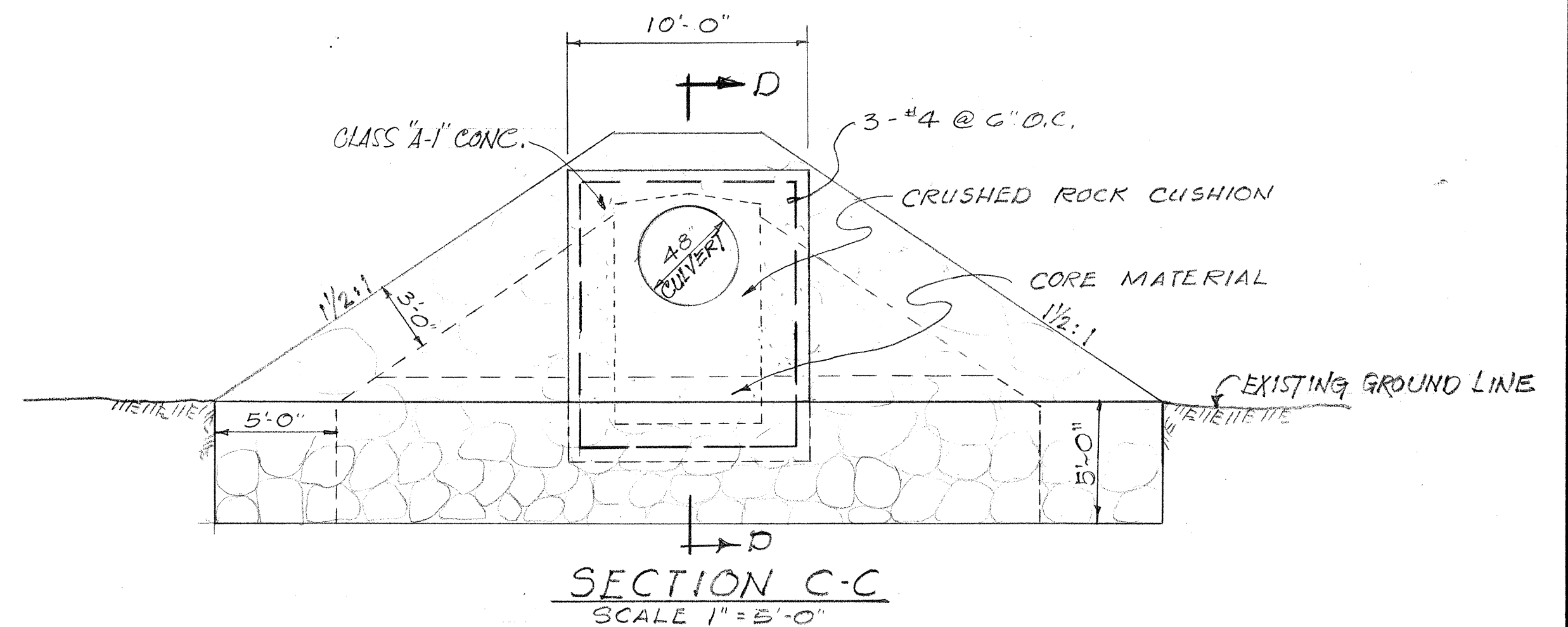
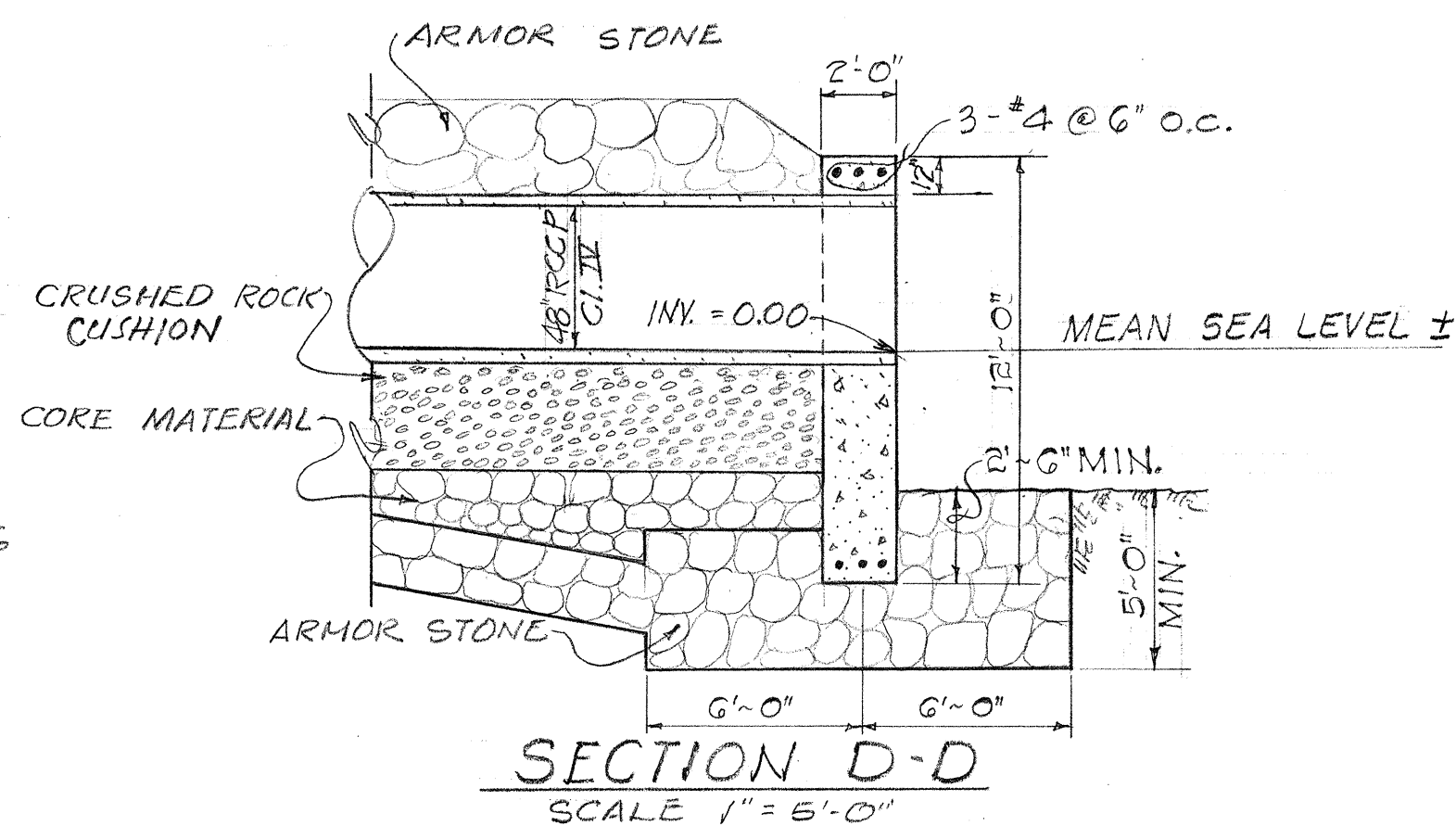
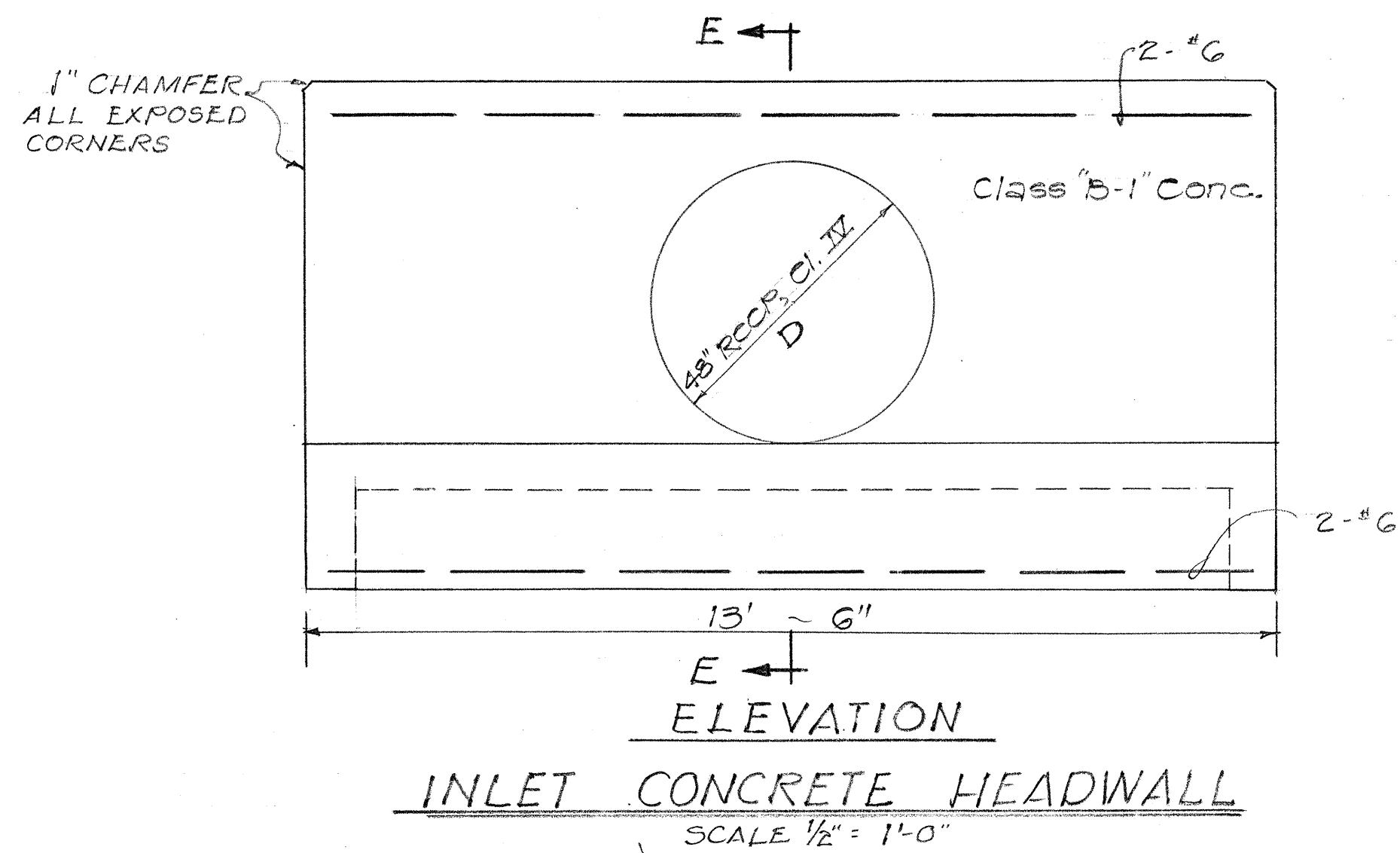
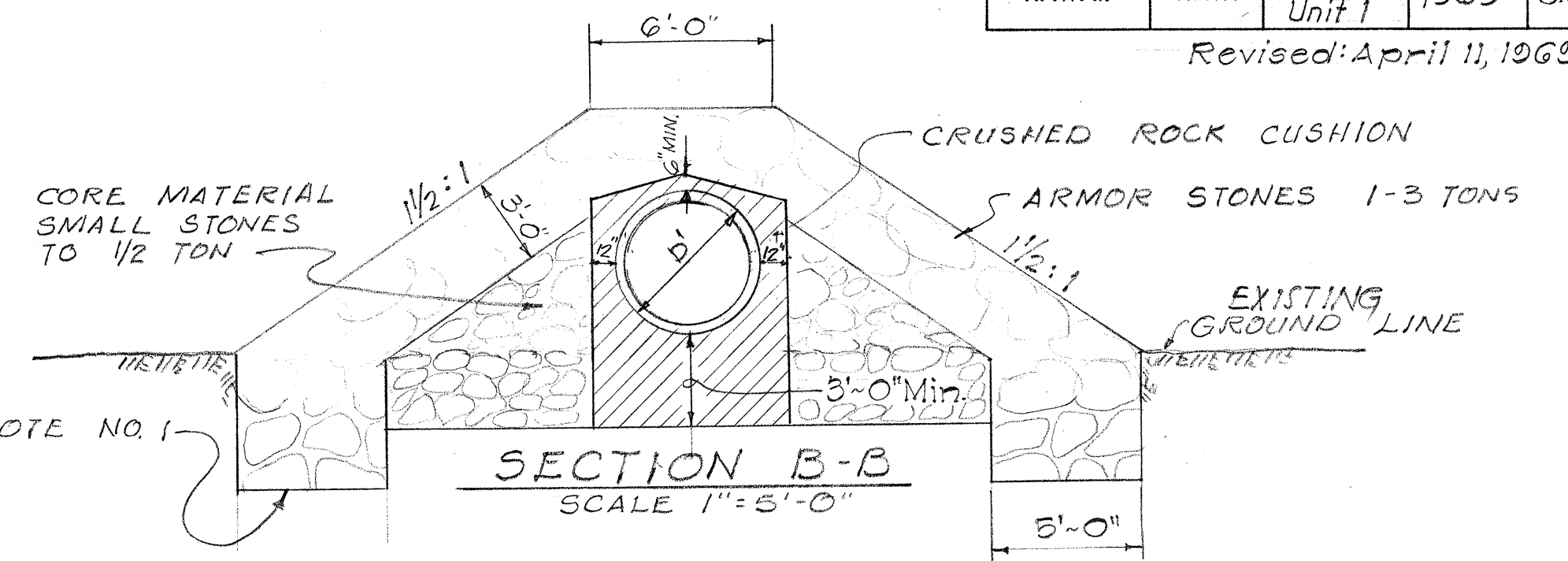
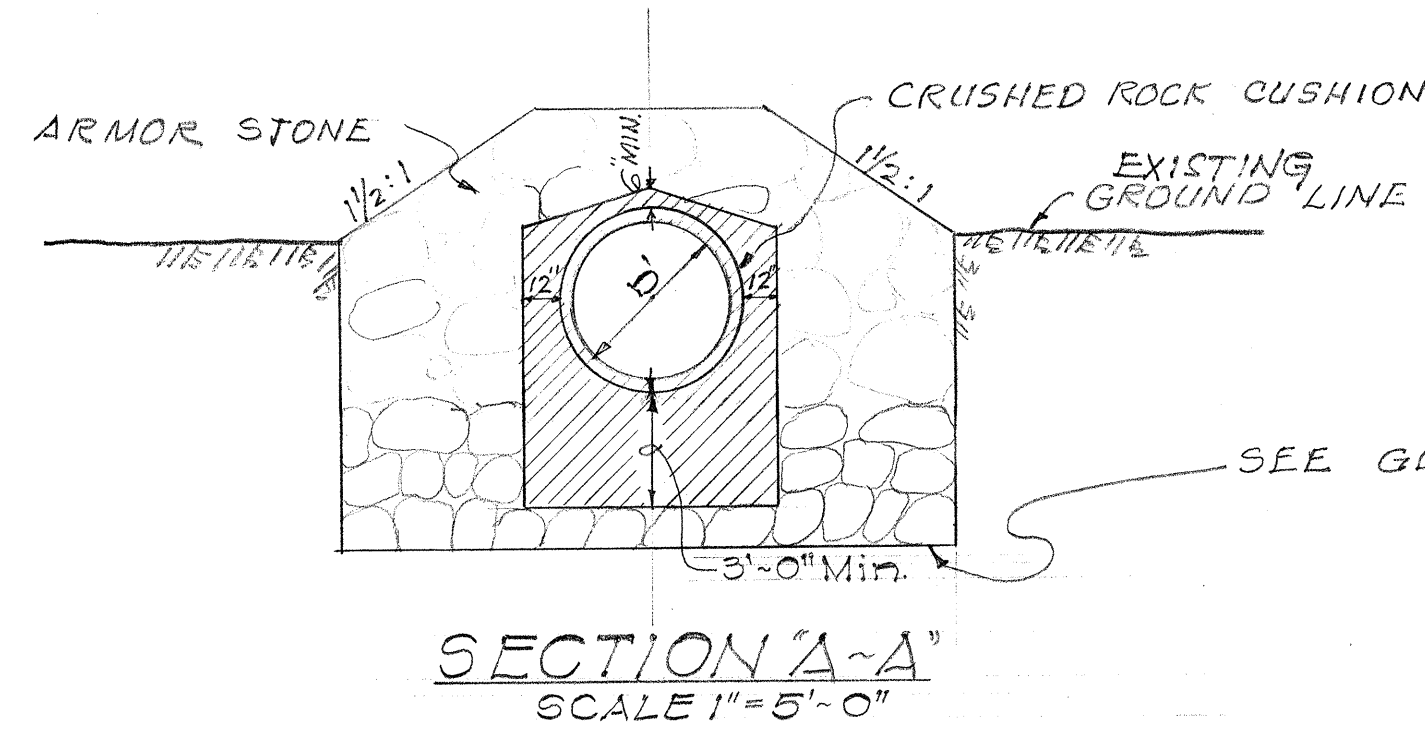
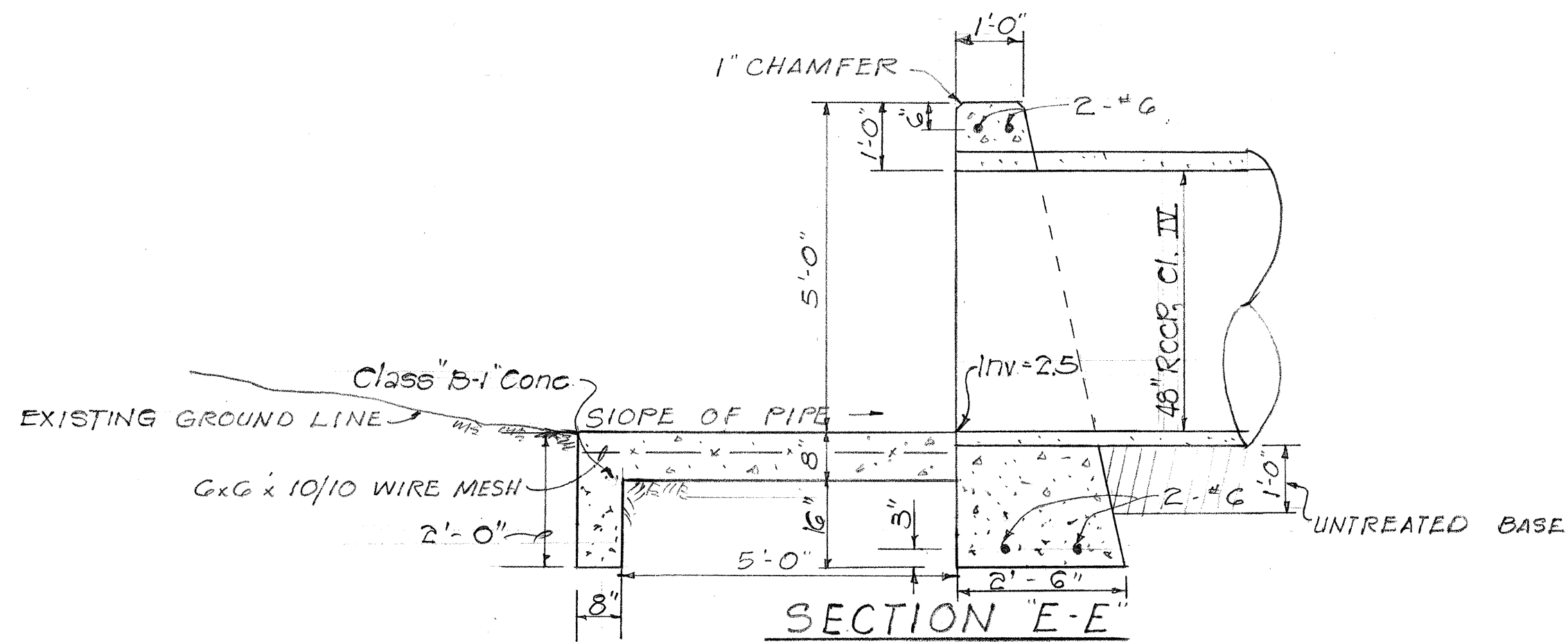


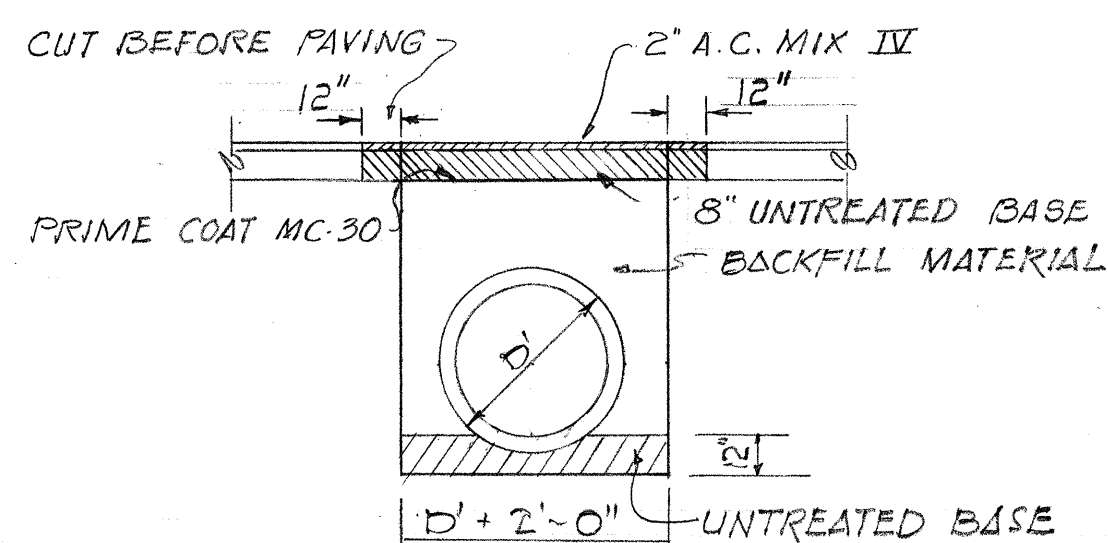
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30B-02-69 Unit 1	1969	C.O.2	4

Revised: April 11, 1969



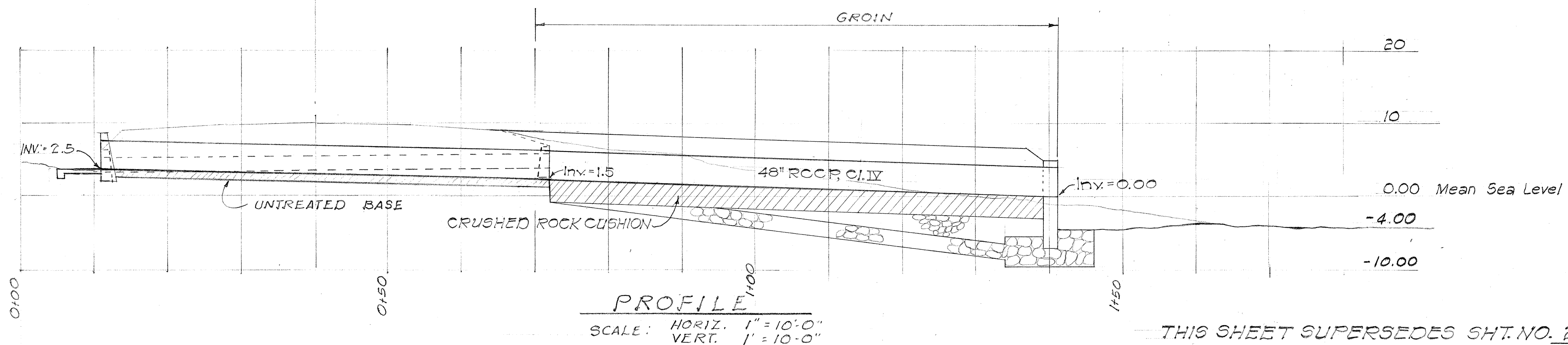
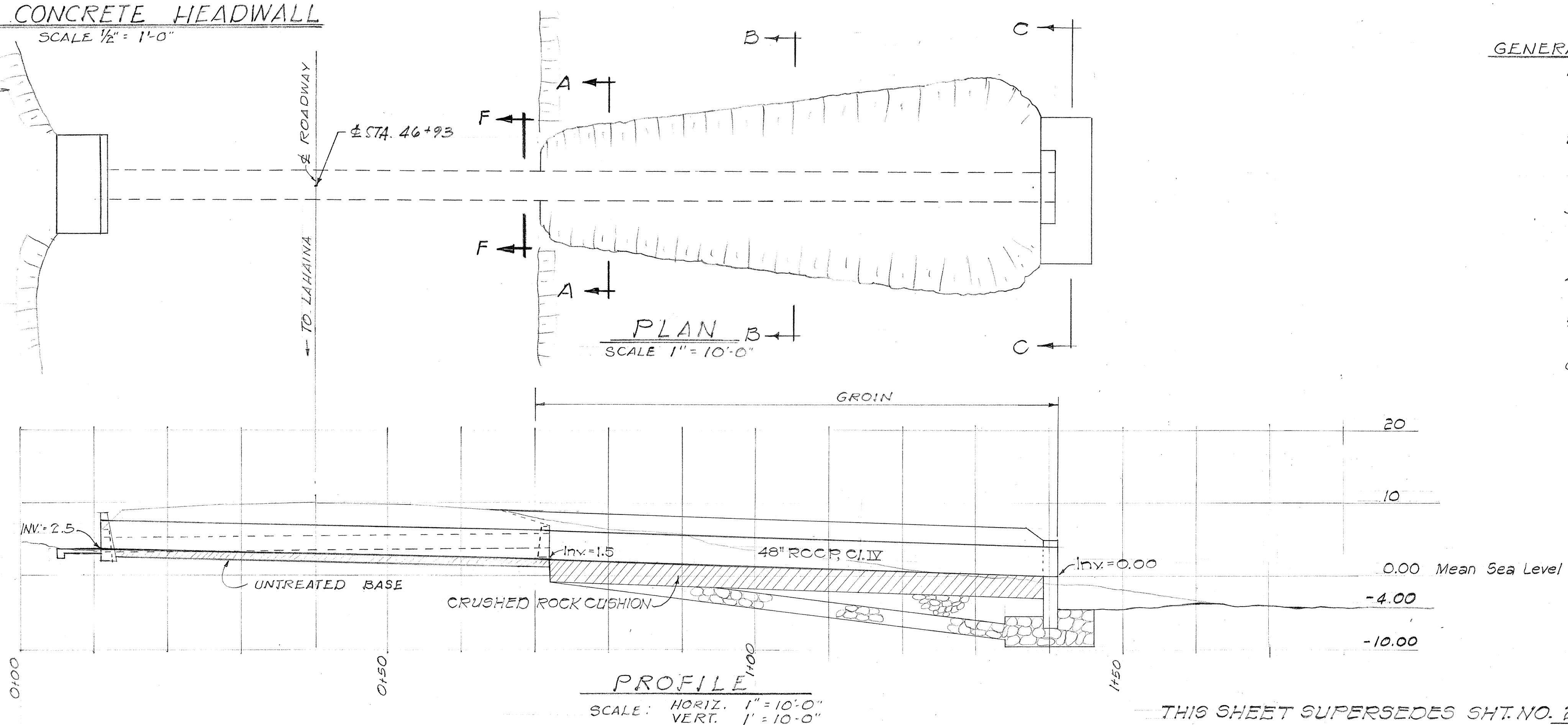
GENERAL NOTES

1. BOTTOM OF GROIN DOWN TO 3 FEET BELOW BOTTOM OF PIPE OR 4 FEET BELOW EXISTING GROUND, WHICHEVER IS LOWER, EXCEPT AT OUTLET.
2. USE ARMOR STONES THROUGHOUT BETWEEN STATIONS 1+34 TO 1+39, EXCEPT WHERE CORE MATERIAL AND CRUSH ROCK ARE REQUIRED AS SHOWN IN SECTIONS C-C & D-D
3. CONTRACTOR TO SALVAGE EXISTING 24" CULVERT AND DEMOLISH EXISTING HEADWALLS AND RETURN PIPE TO STATE BASEYARD IN KAHULUI, PAYMENT INCIDENTAL TO COST OF LAYING NEW 48" CULVERT
4. TRENCH PATCHING DETAILS, ETC., ALL INCIDENTAL TO PIPE
5. DIFFERENCE BETWEEN MEAN SEA LEVEL AND MEAN LOWER LOW IS 0.80'.
6. CONCRETE ALL JOINTS IN GROIN ABOVE ELEVATION 0.00 OR EXISTING GROUND WHICHEVER IS HIGHER. PAYMENT INCIDENTAL TO COST OF GROIN.



ESTIMATED QUANTITIES

Struc. Exc.	= 120 c.y.
Untreated Base for Pipe Foundation	= 13 c.y.
Class 'A-1' Conc.	= 8 c.y.
Class 'B-1' Conc.	= 7 c.y.
Reinforcing Steel	= 165 Lbs.
48" RCCP, Cl. IV	= 130 L.F.
Groin	= Lump Sum



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN
EXTENSION OF CULVERT
AT STATION 46+93
OLOWALU, MAUI
PROJ. NO. 30B-02-69, UNIT 1
Scale: As Shown Date: Jan., 1969
SHEET NO. 1 OF 1 SHEETS

THIS SHEET SUPERSEDES SHT. NO. 2