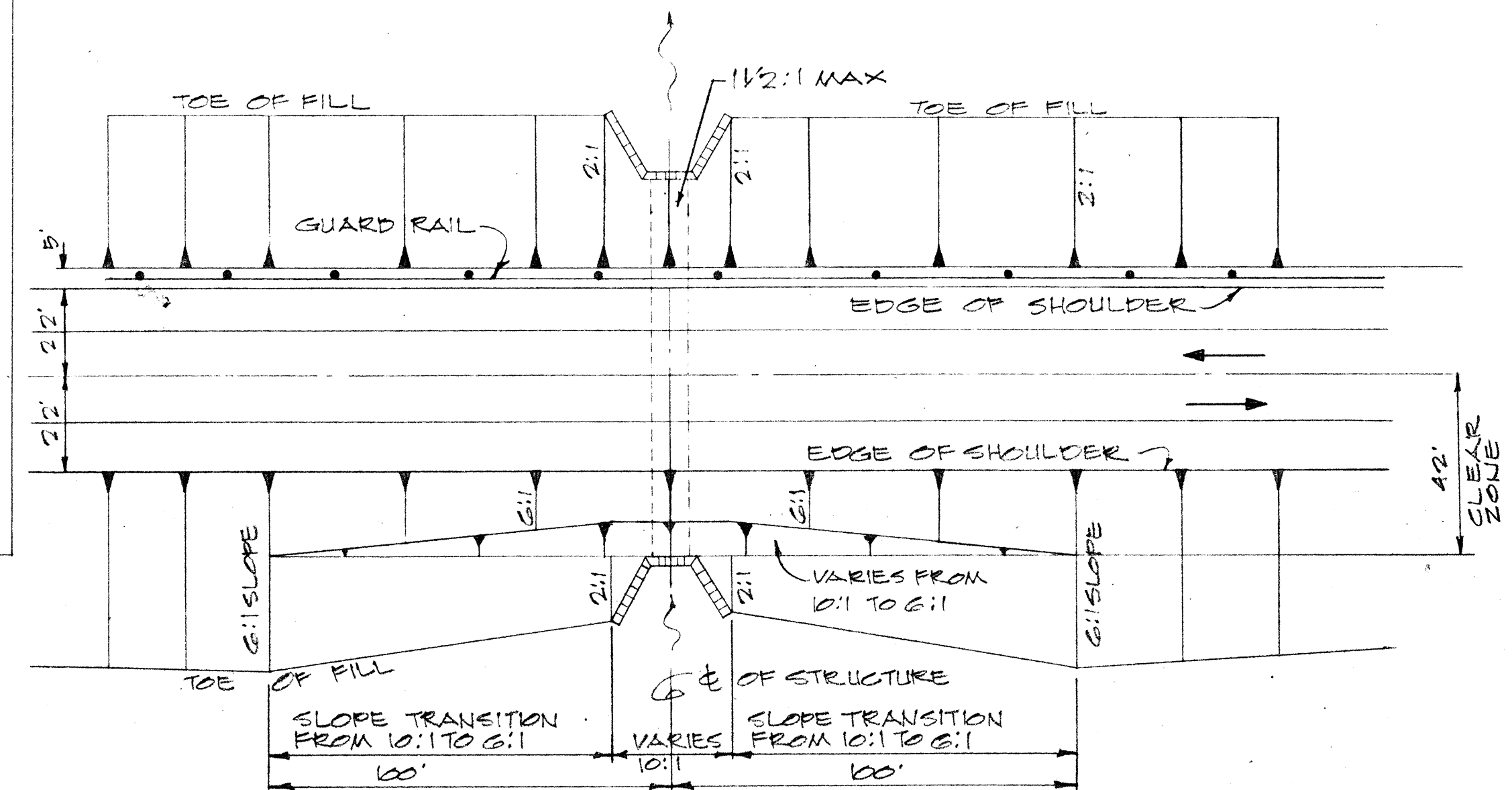
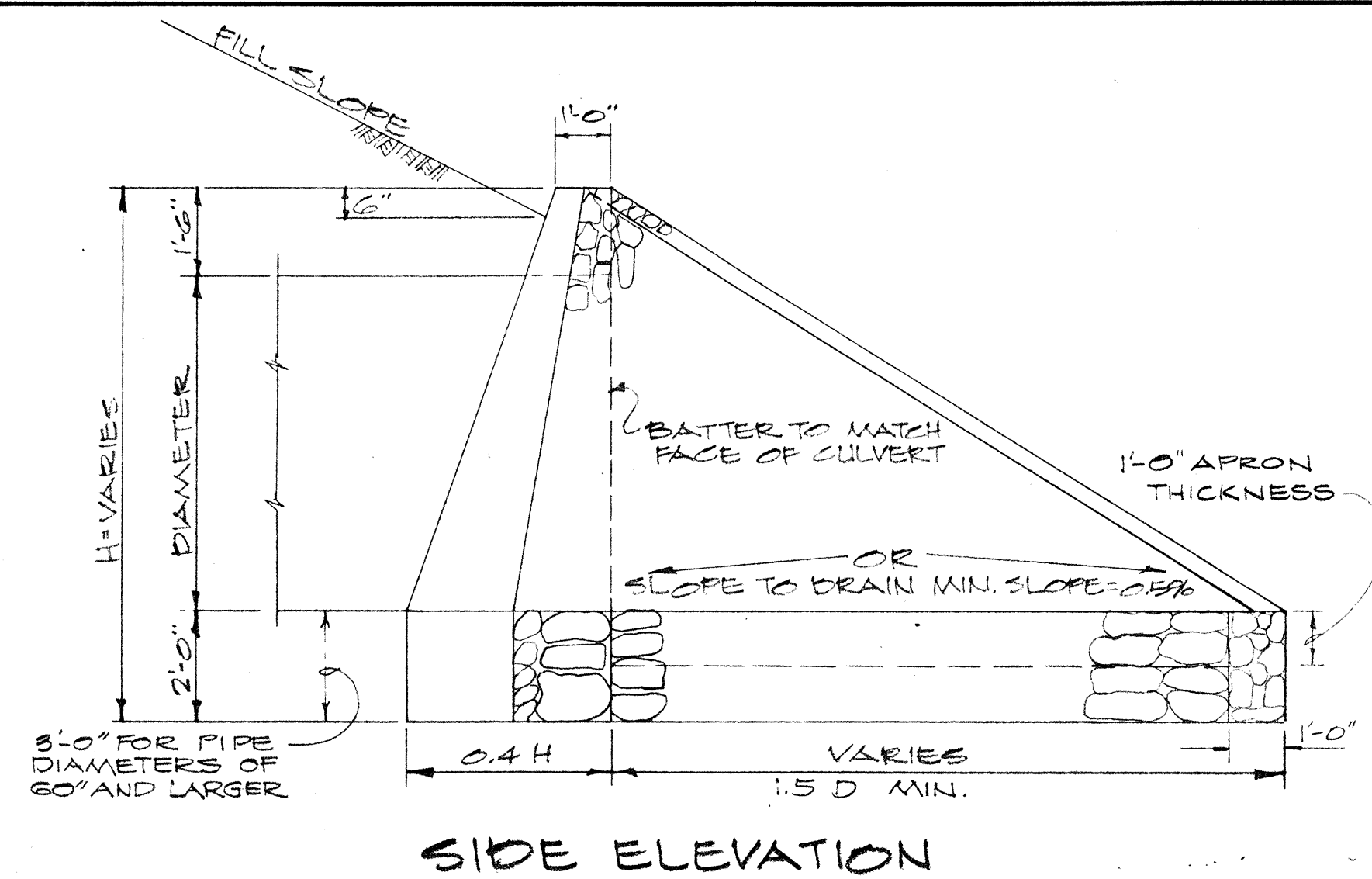
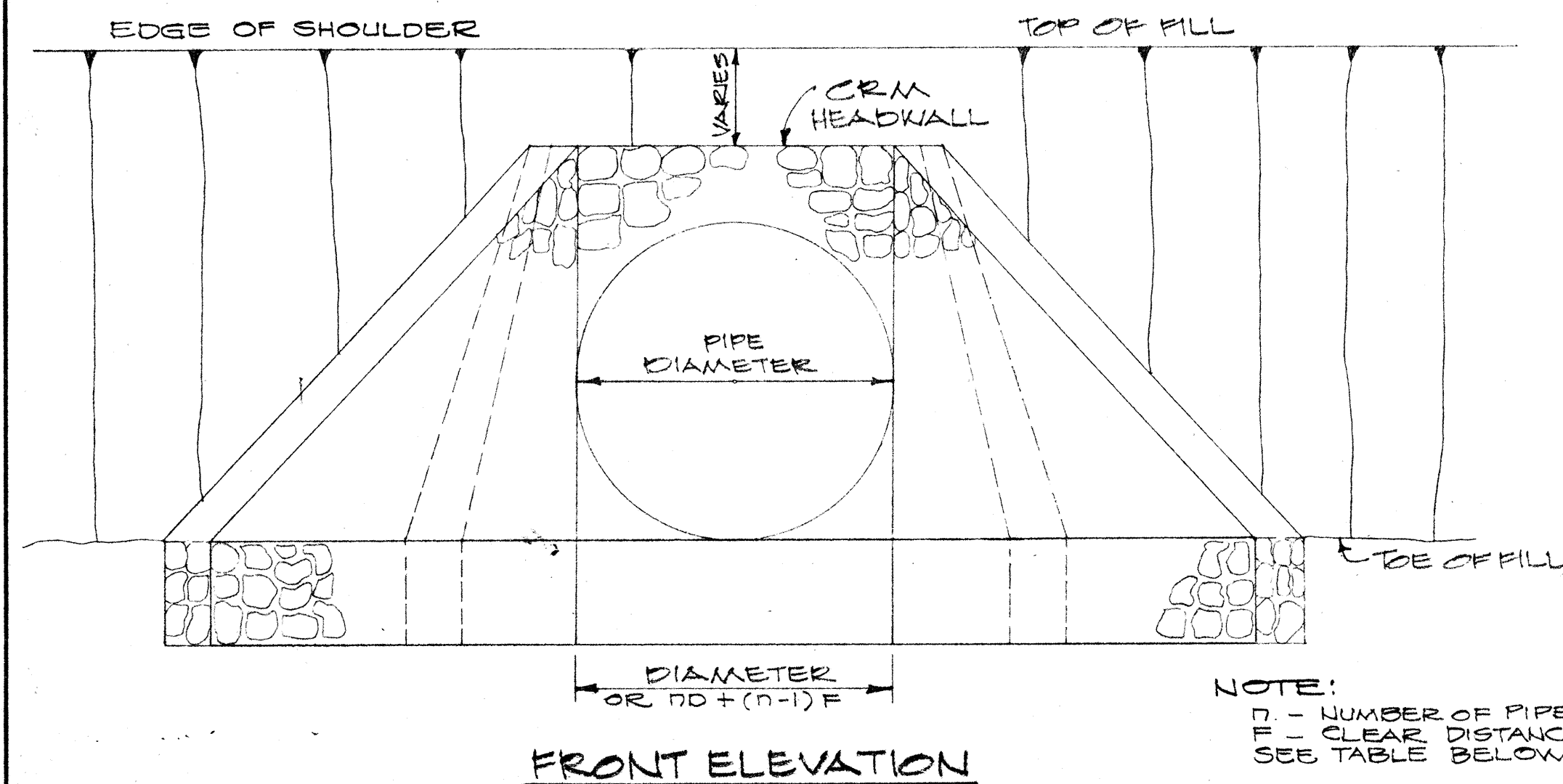
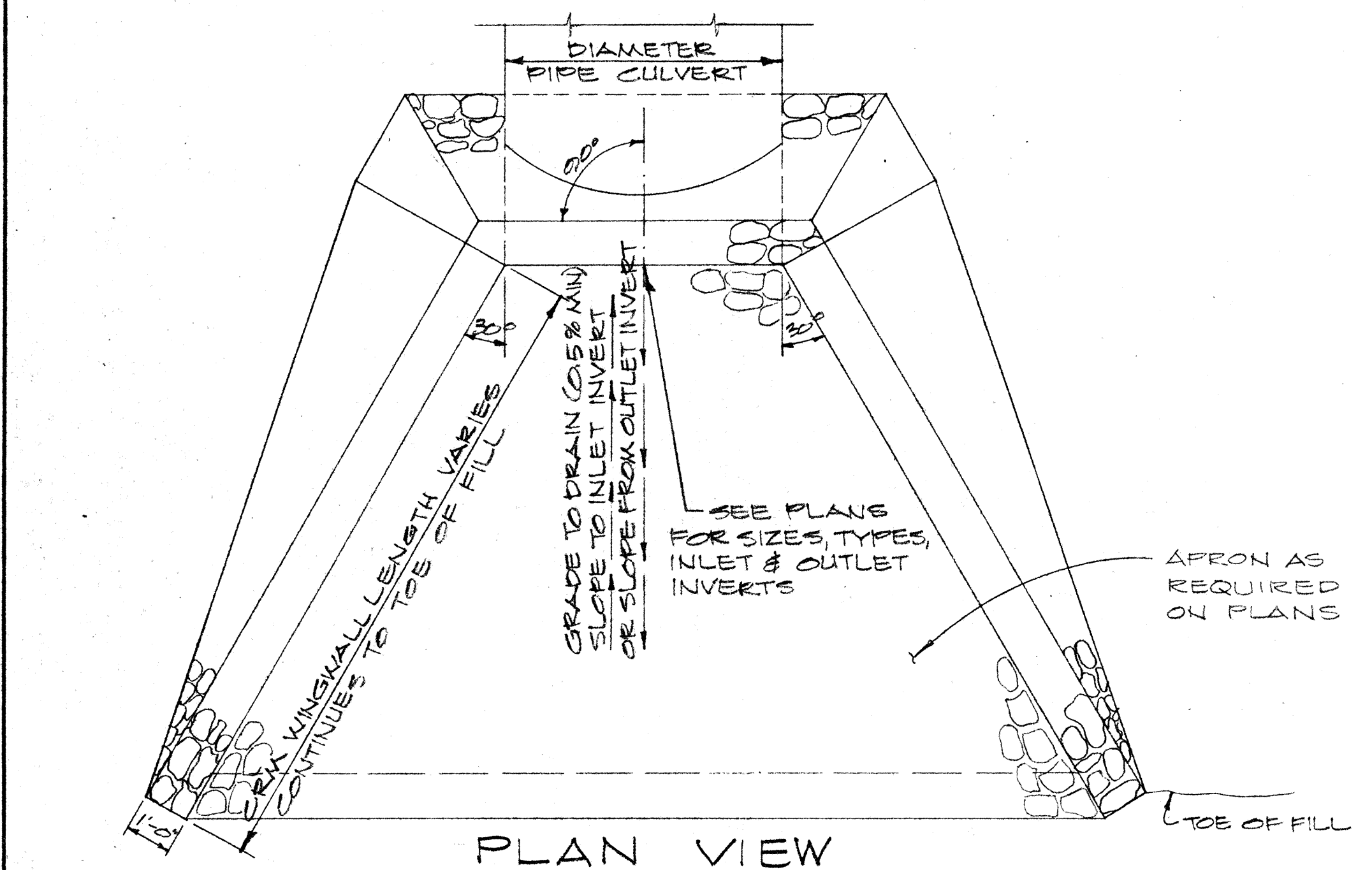


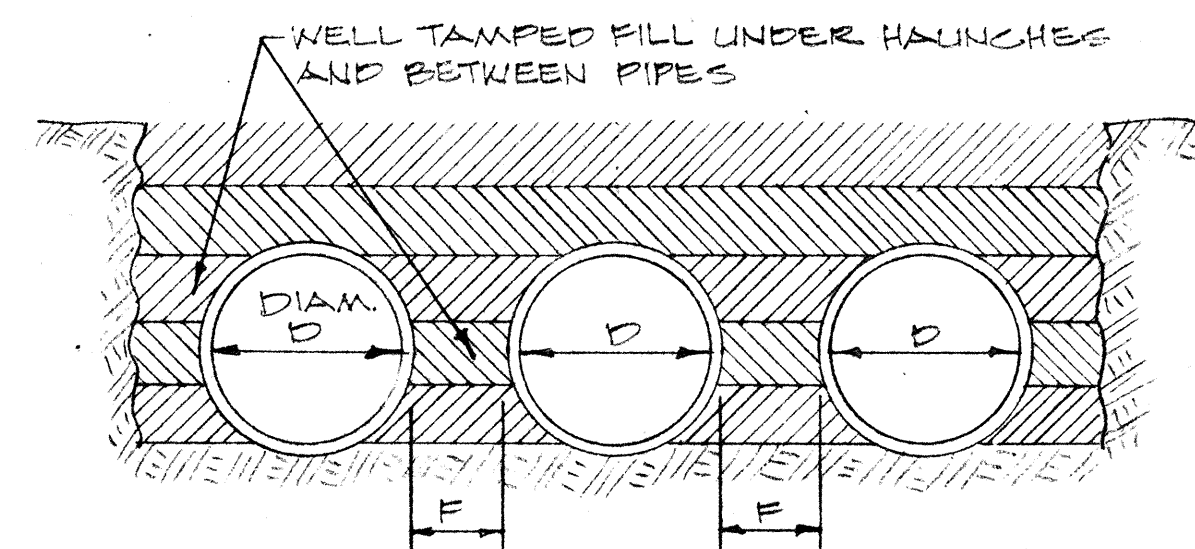
STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	1980-01-71	1971	35	62



TYPICAL EMBANKMENT TRANSITION
AT STRUCTURE LOCATION
NOT TO SCALE

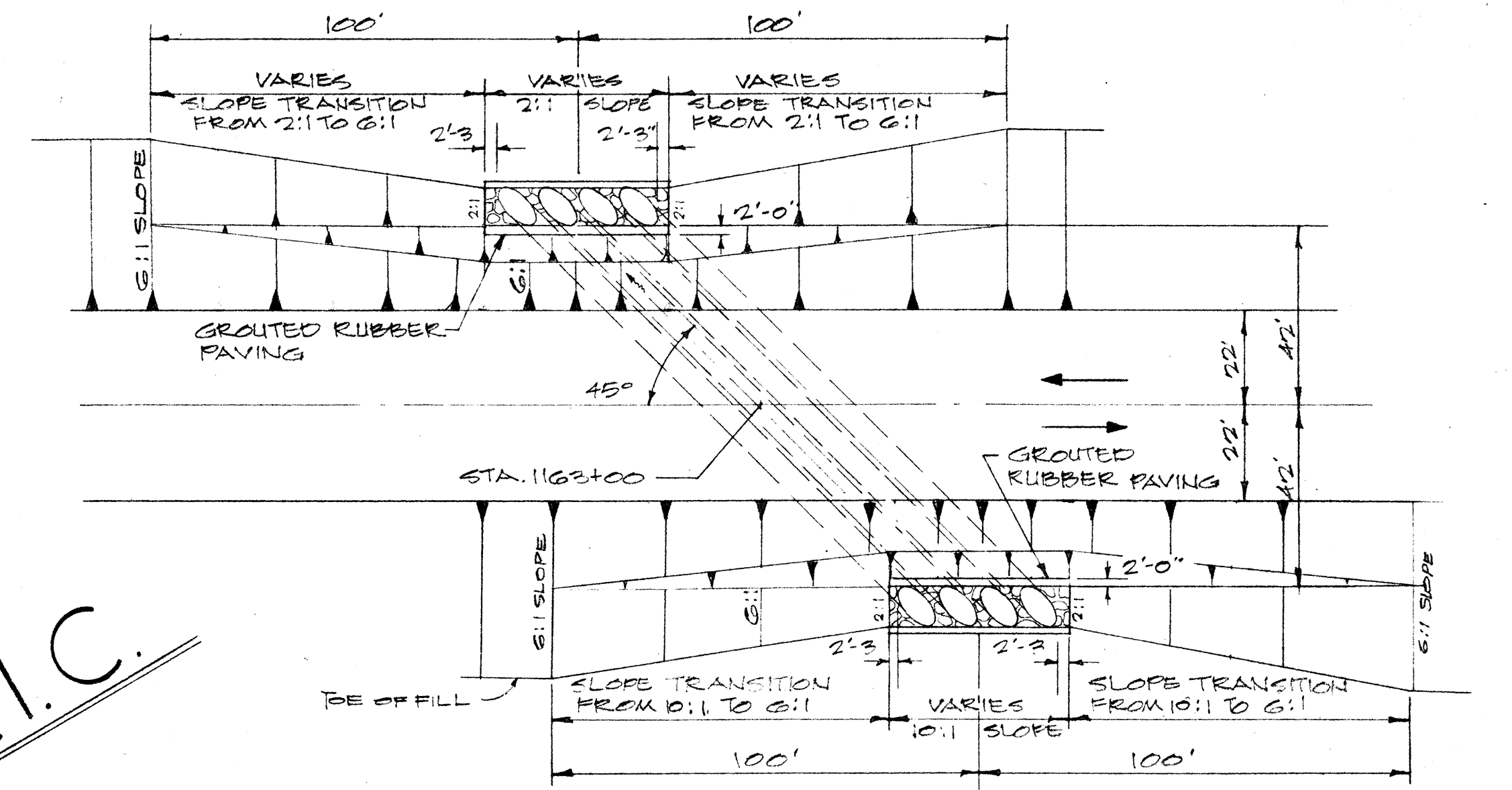


DETAILS OF GRM INLET OR OUTLET STRUCTURES
SCALE : 1 IN. = 3/8 IN.

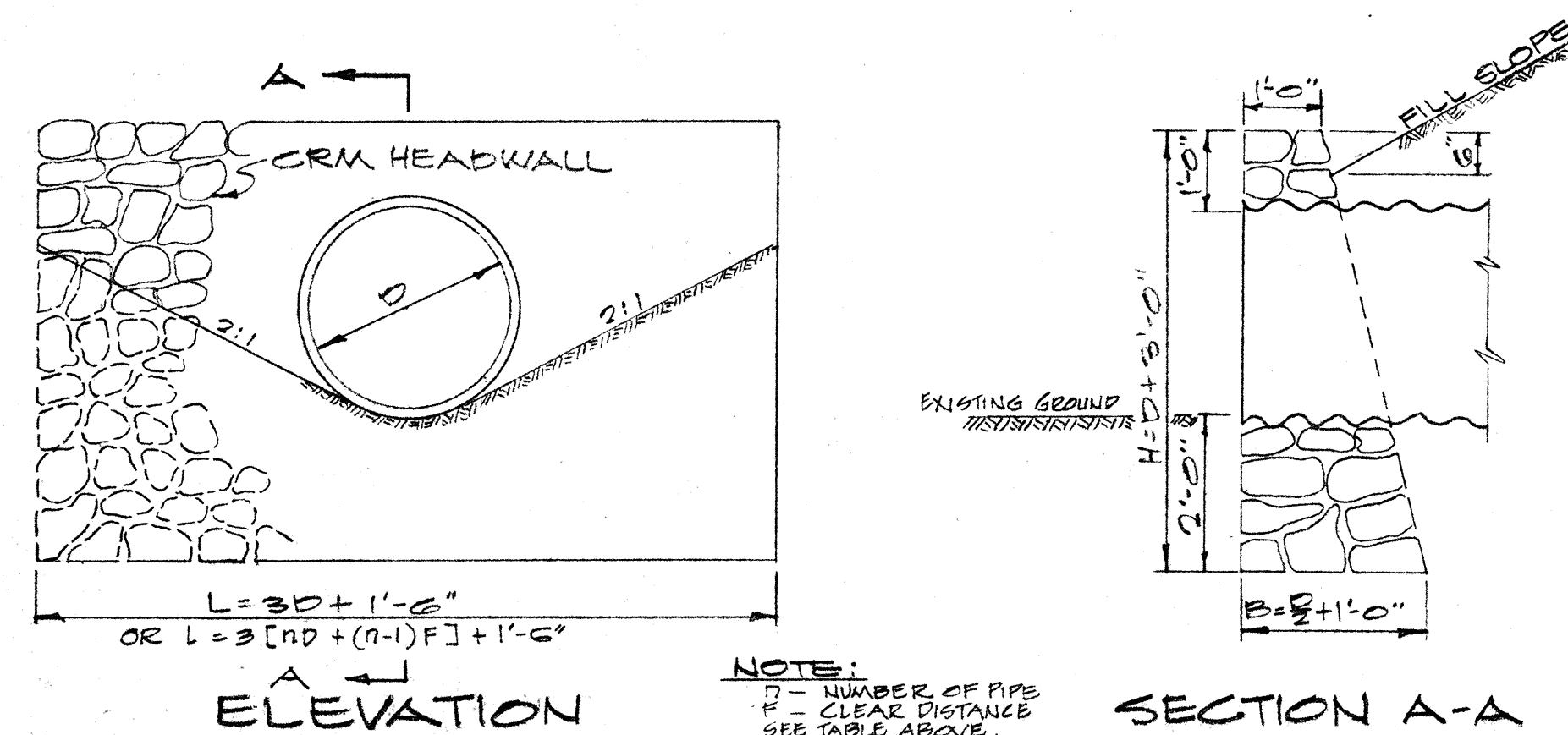


PIPE DIAMETER (D)	MIN. DISTANCE (F) BETWEEN PIPE
24 IN. TO 72 IN.	1/2 DIAM. (D) IN.
72 AND UP	36 IN.

DETAIL OF MULTIPLE PIPE INSTALLATIONS NOT TO SCALE

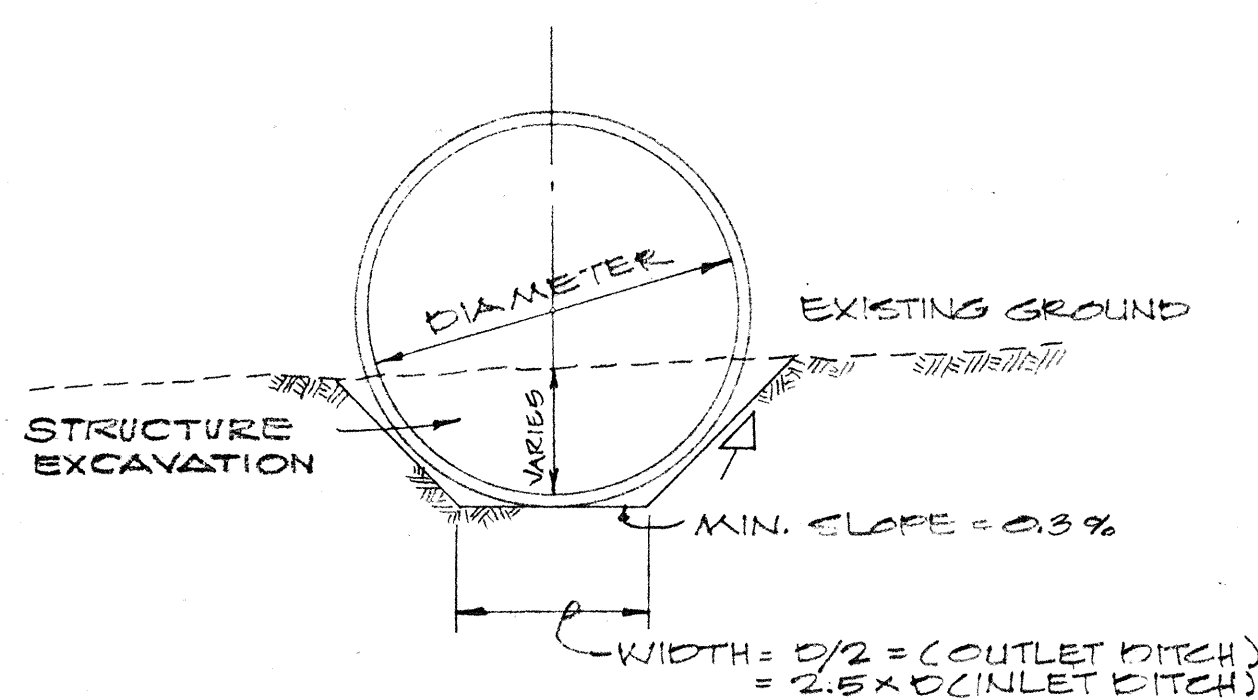


PLAN OF STRUCTURE #12-F
NOT TO SCALE



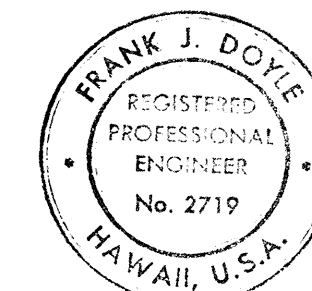
DETAIL OF CRM HEADWALL

SCALE: 1 IN. = 1/2 IN.



TYPICAL DITCH SECTION
NOT TO SCALE

N.I.C.



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
Frank J. Doyle
Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISC. DETAILS

KAILUA - KAWAIIHAE ROAD
ANAEHOOMALU TO HAPUNA
PROV. NO. 19 BC-01-71

SHEET No. / OF / SHEETS