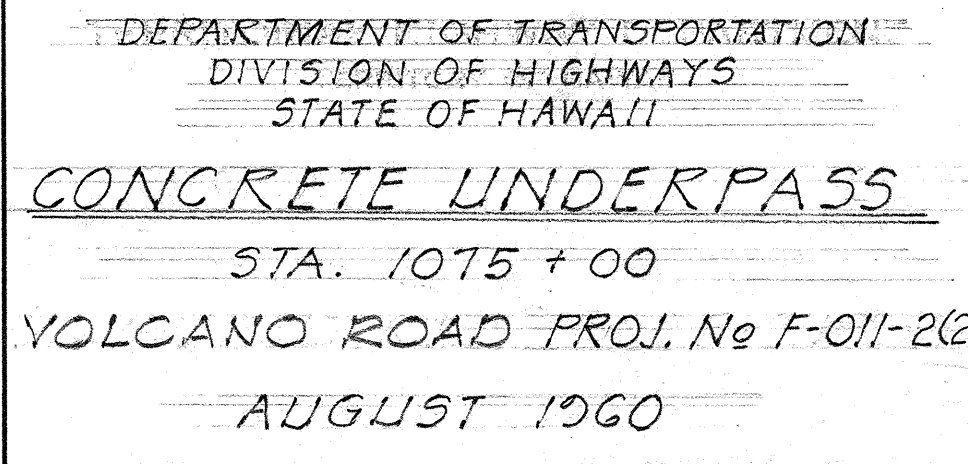
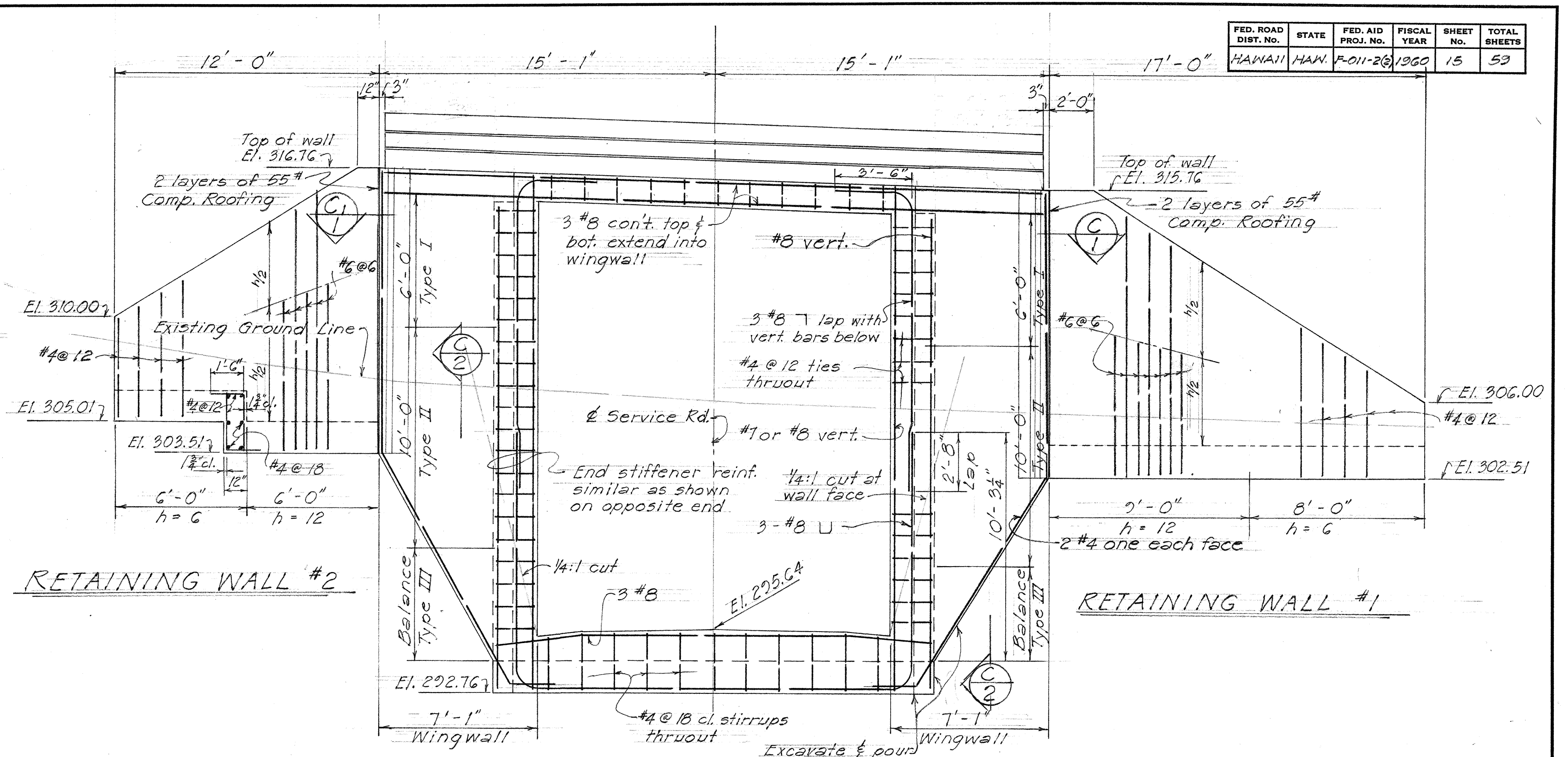
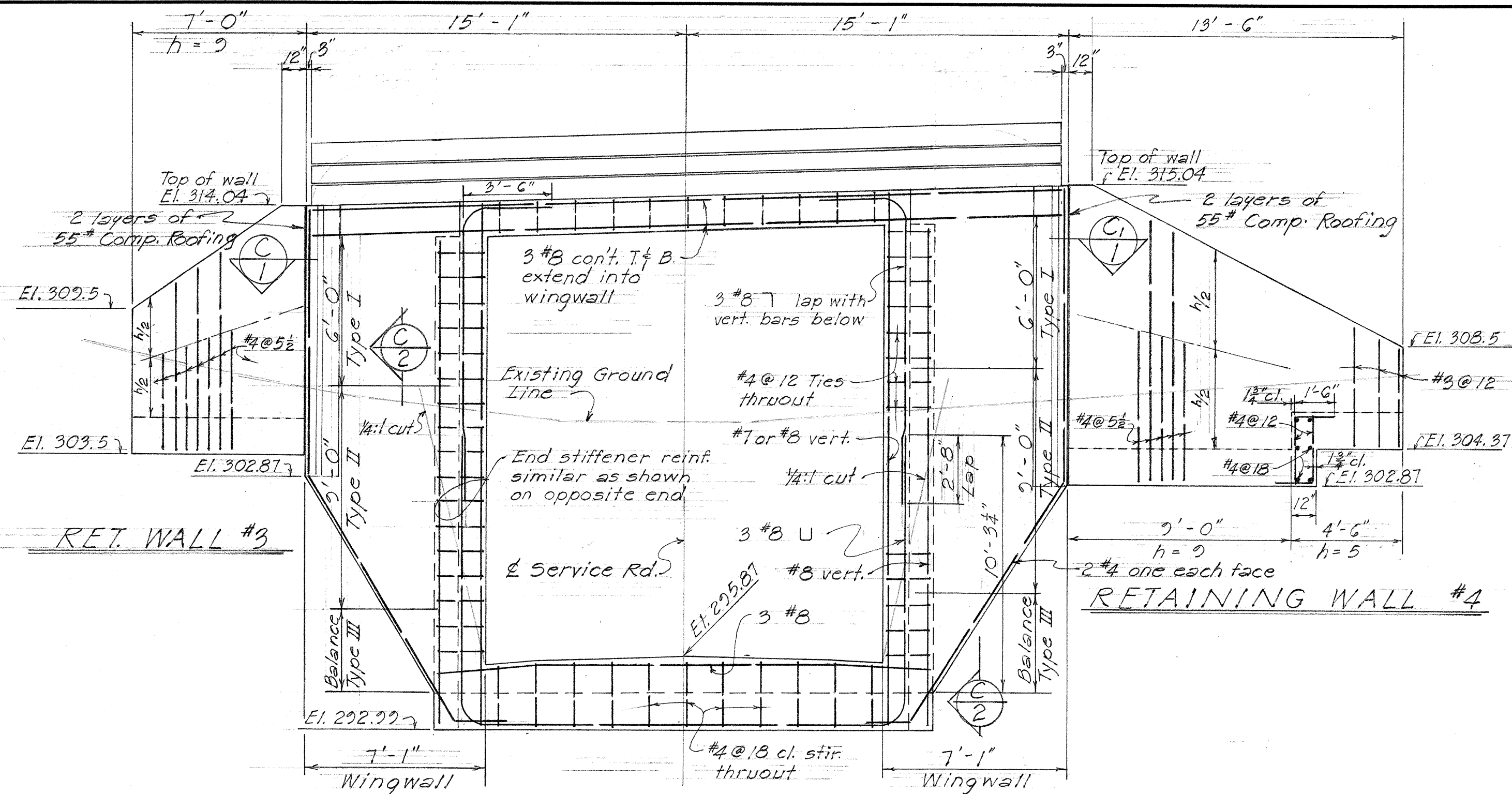
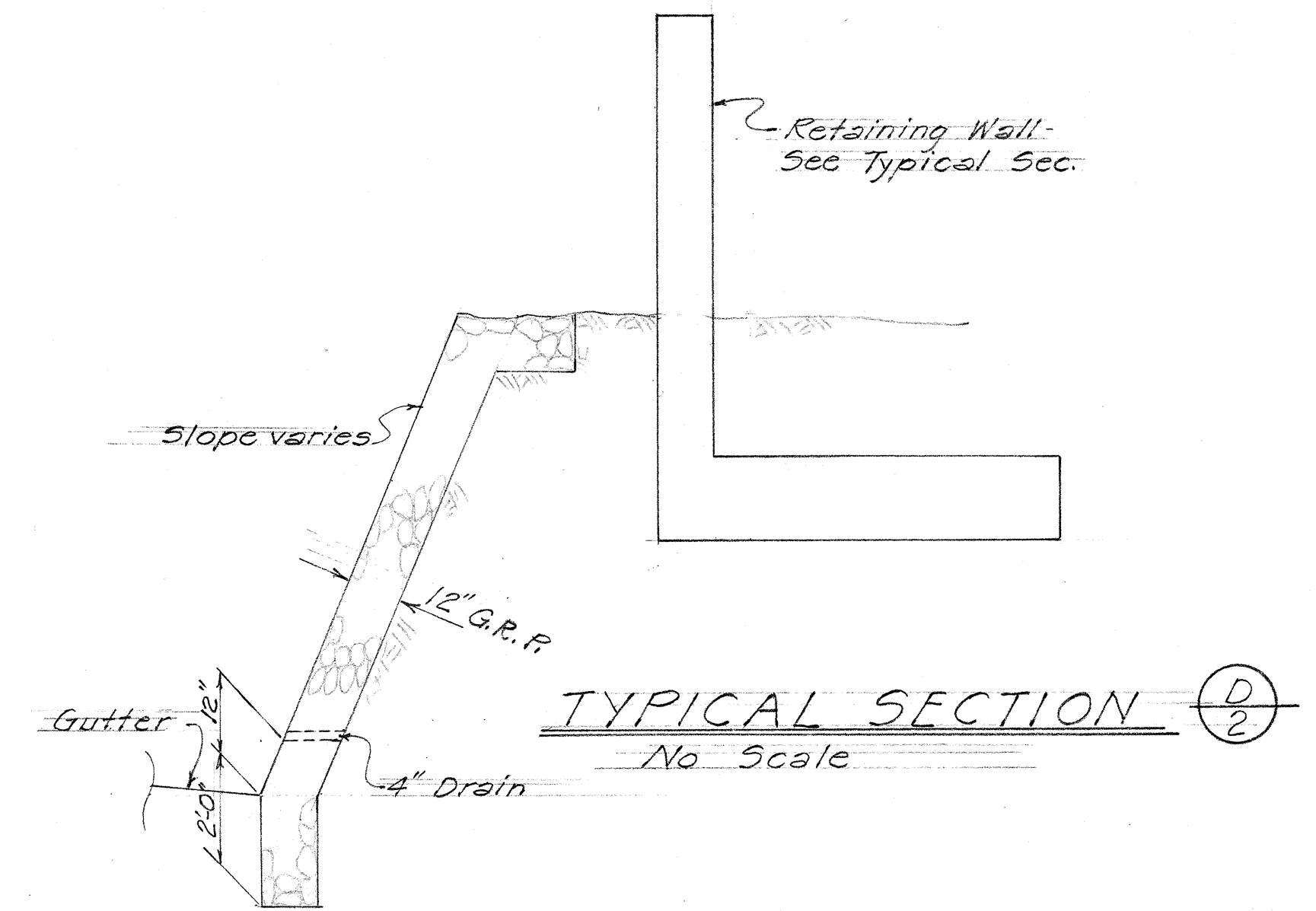
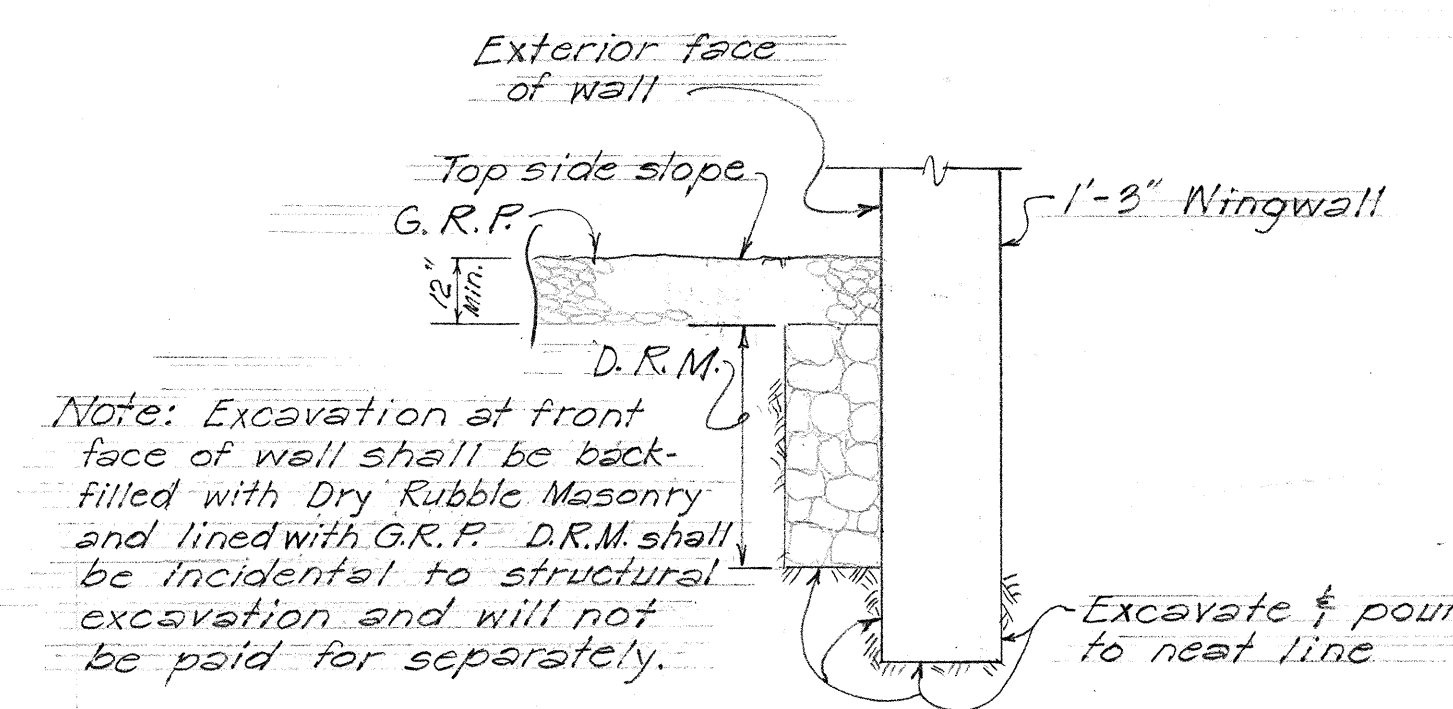
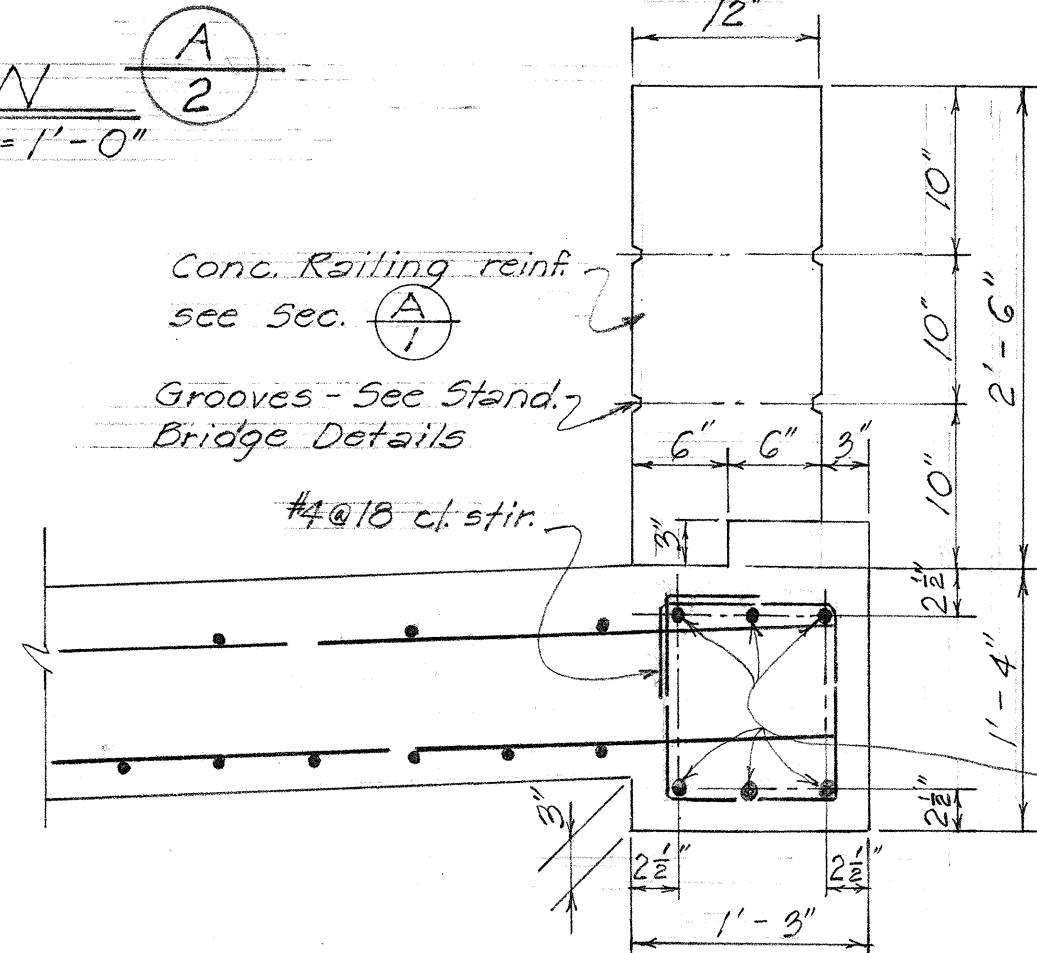
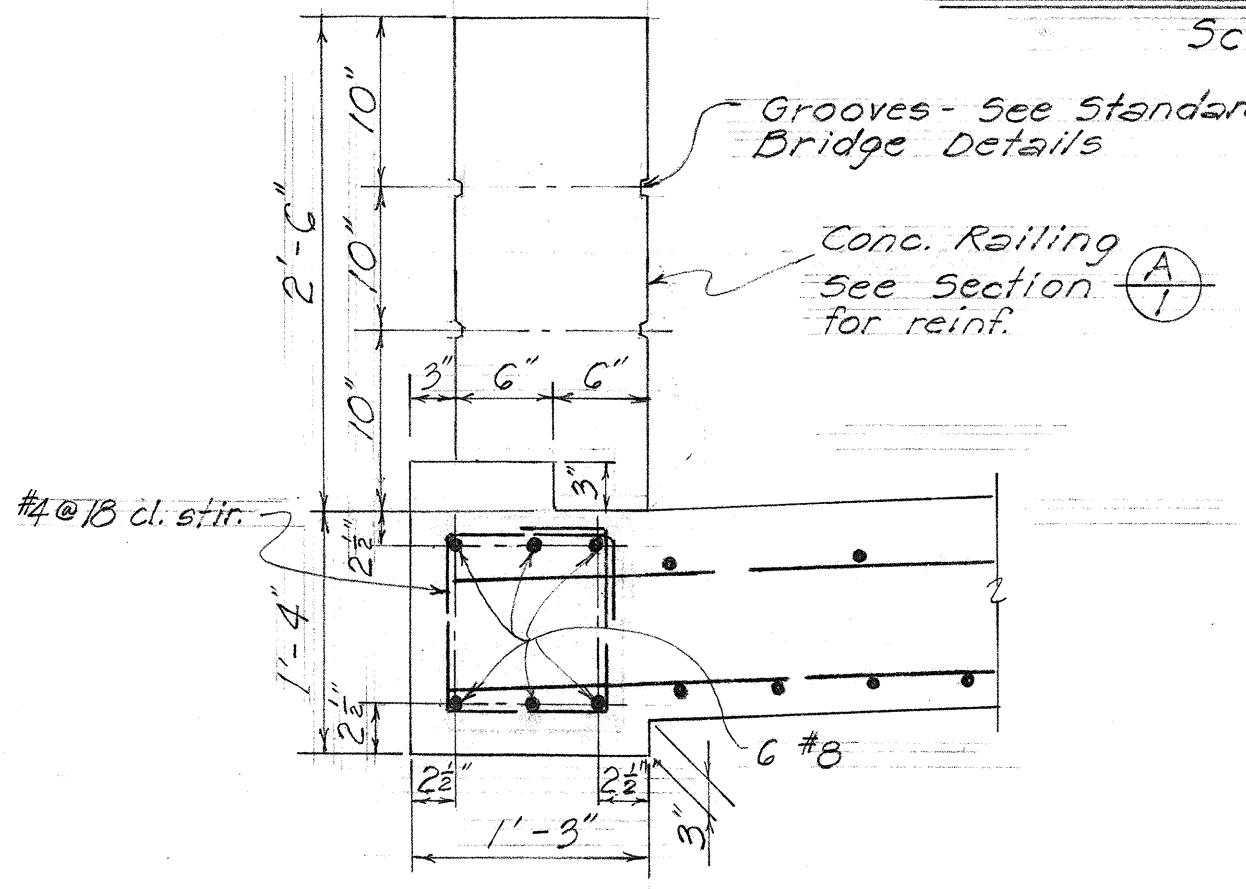






ELEVATION
Scale: 1/4" = 1'-0"

ELEVATION
Scale: 1/4" = 1'-0"



GENERAL NOTES

DESIGN DATA
H-20-S-16-44 Loading

MATERIALS
All concrete Class A-1 unless otherwise noted on the plans.
Admixture shall be added to all concrete. See Special Provisions.

CONSTRUCTION METHODS
Footings shall be excavated & poured to neat lines. In case of over excavation, space between footing & ground shall be filled with concrete at the Contractor's expense. This concrete shall have a minimum of Class D-1.
For backfill behind Abutments see Specifications.

GENERAL
Top of concrete deck to follow roadway grade & curve. See Plan.

SYMBOLS

Section Letter
Bridge Sheet No. of 2 detail is shown on.

DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STATE OF HAWAII

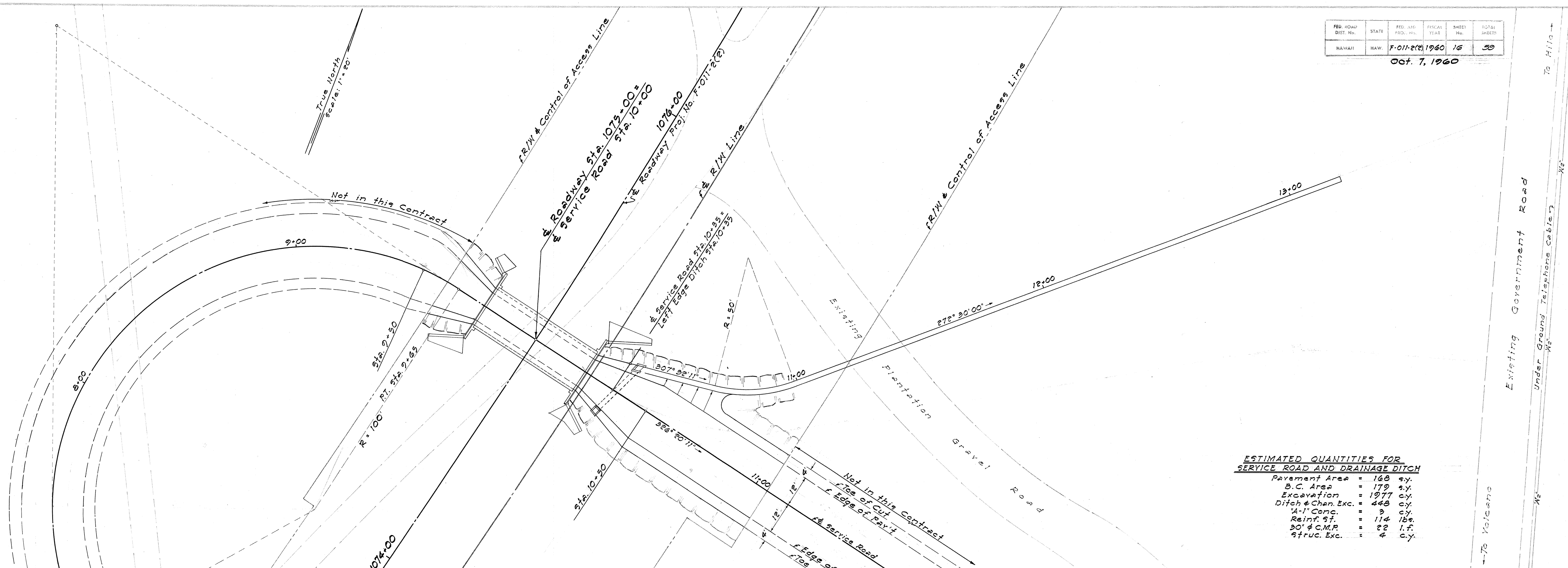
CONCRETE UNDERPASS
STA. 1075 + 00
VOLCANO ROAD PROJ. No F-011-2(2)
AUGUST 1960

PLAN	DATE
DESIGNED BY	
NOTED BY	
NOTE BOOK	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
NO.	

PROFILE	DATE
DESIGNED BY	
NOTED BY	
NOTE BOOK	
GRADES CHECKED	
STRUCTURE NOTATION CHKD.	
NO.	

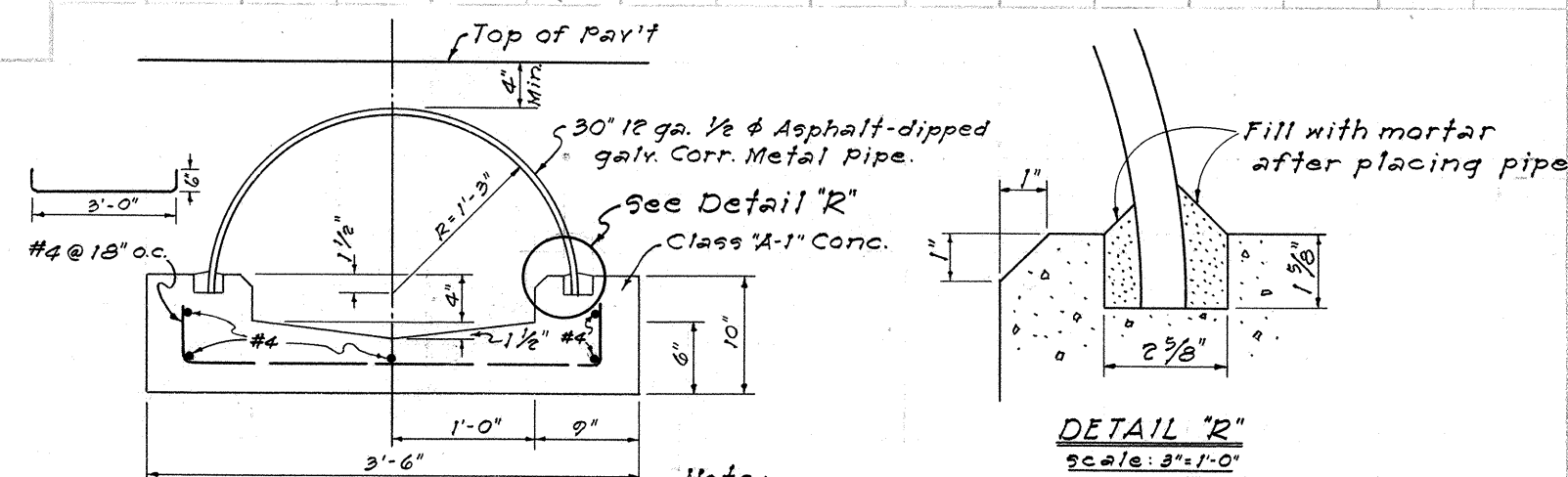
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-011-2(2)	1960	16	50

Oct. 7, 1960



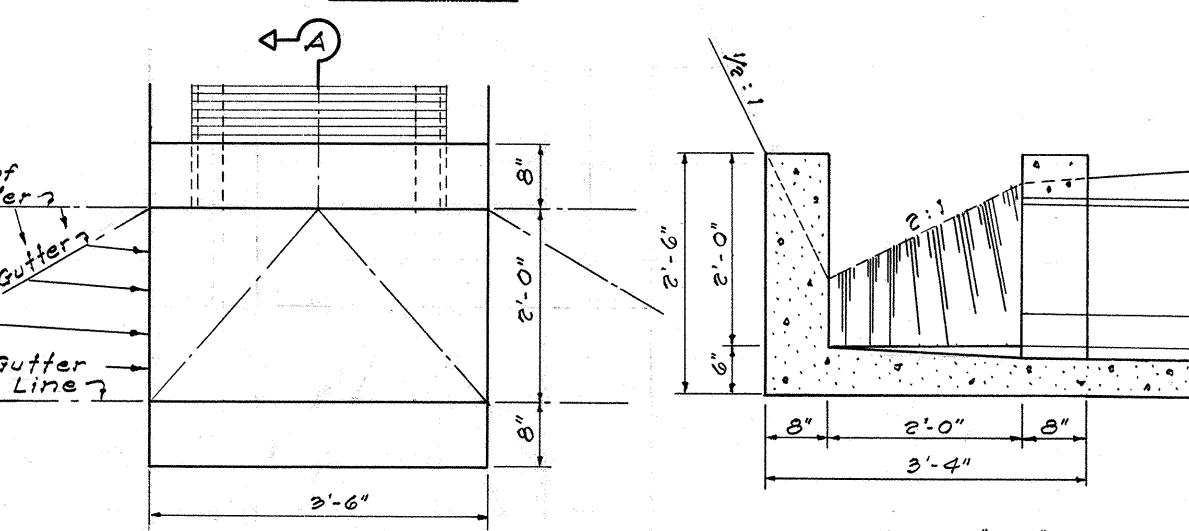
ESTIMATED QUANTITIES FOR SERVICE ROAD AND DRAINAGE DITCH

Pavement Area	=	168	sq. yd.
B.C. Area	=	179	sq. yd.
Excavation	=	1977	cu. yd.
Ditch & Chan. Exc.	=	448	cu. yd.
14" Conc.	=	3	cu. yd.
Reinf. St.	=	114	lbs.
30" & C.M.P.	=	22	l.f.
Struc. Exc.	=	4	cu. yd.

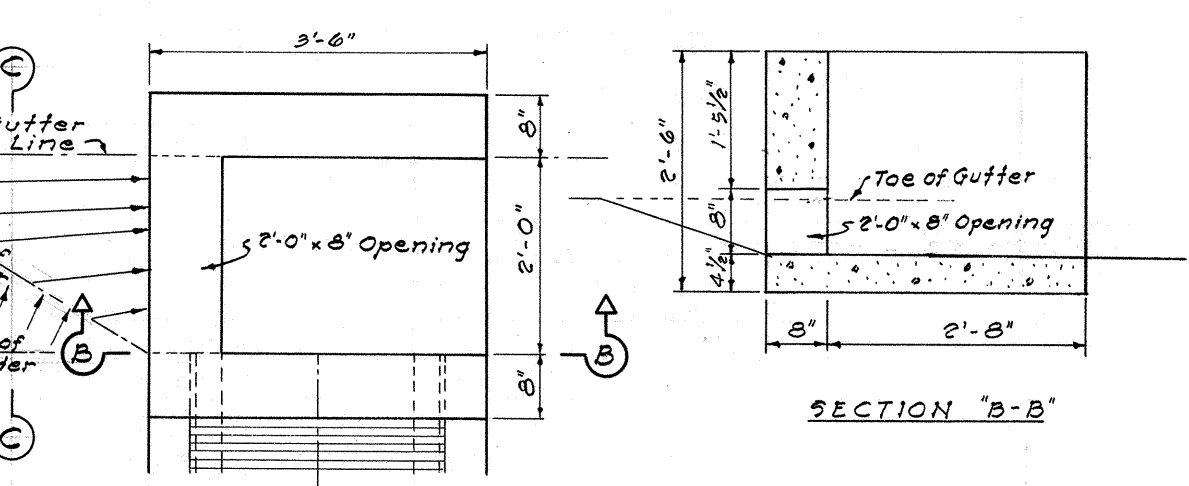


DETAIL 'R'
Scale: 1/2" = 1'-0"

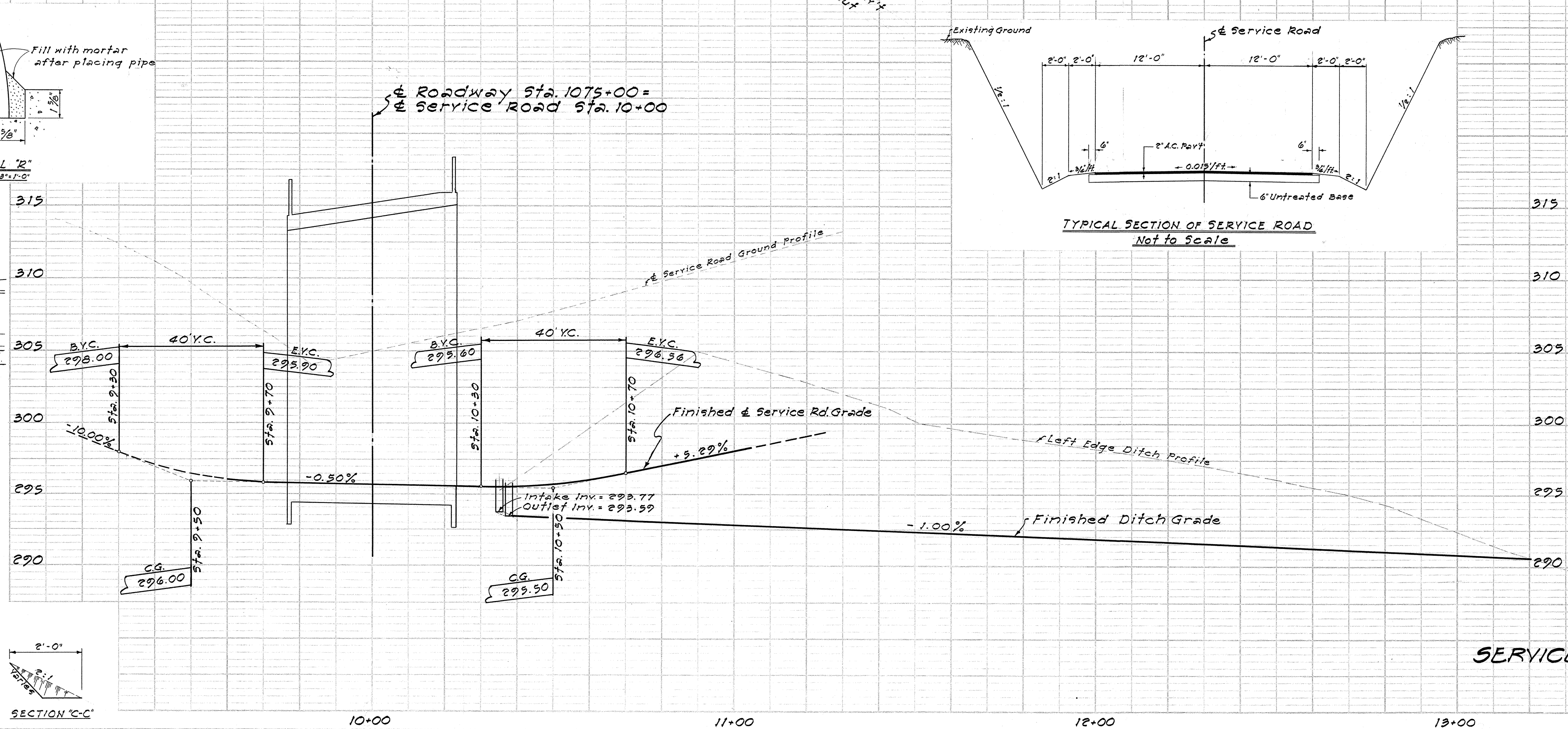
Note: Chamfer all exposed concrete edges 1".



OUTLET DETAIL
Scale: 1/2" = 1'-0"



DETAIL OF PIPE ARCH IN CONCRETE
Scale: As Noted



TYPICAL SECTION OF SERVICE ROAD
Not to Scale

TYPICAL SECTION OF DRAINAGE DITCH
Scale: 1/2" = 1'-0"

DETAILS OF SERVICE ROAD AND DRAINAGE DITCH STA. 1075+00