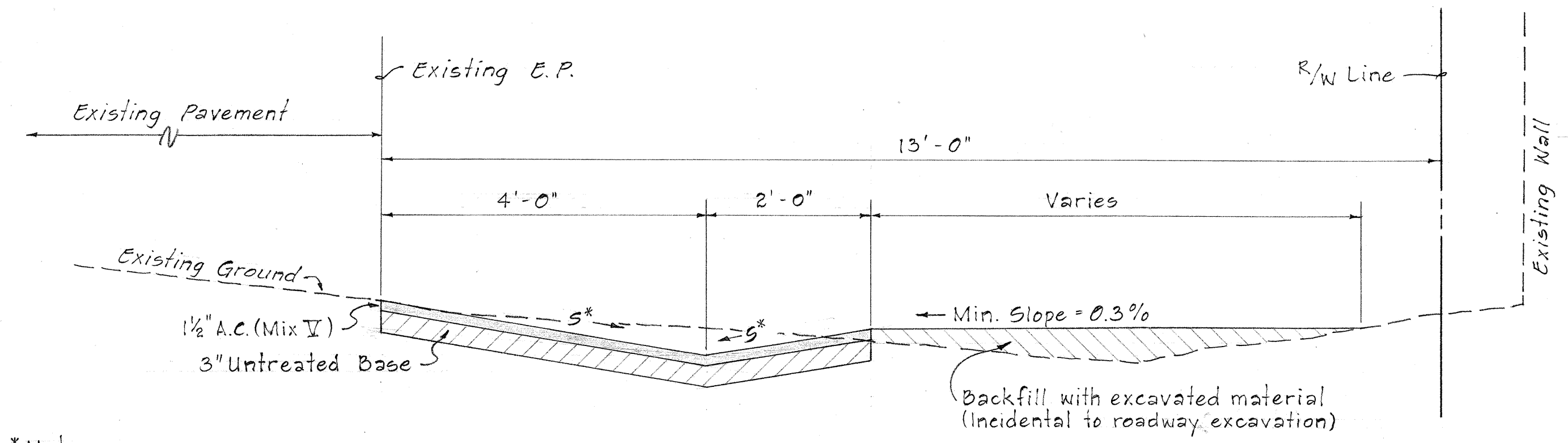


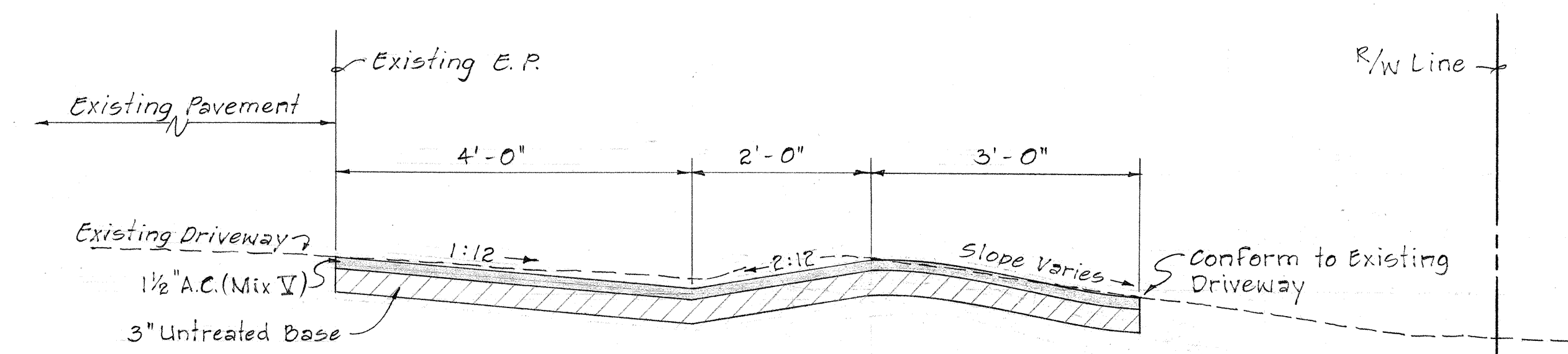
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.				



* Note:
 S = 2:12 (Typical) for A.C. Swale
 S = Varies (1:12 to 2:12) for Transition Swale.

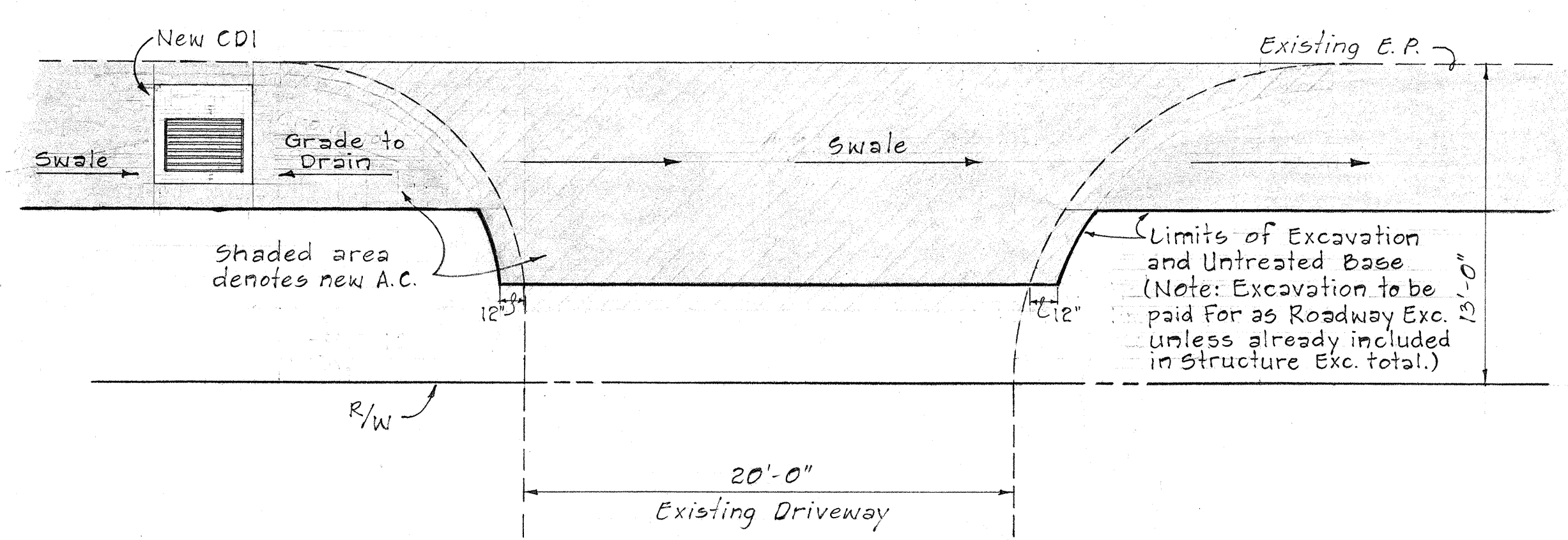
Note:
 Excavation to be paid for as roadway excavation.

TYPICAL SECTION
ASPHALT CONCRETE OR TRANSITION SWALE
 Scale: 3/4" = 1'-0"

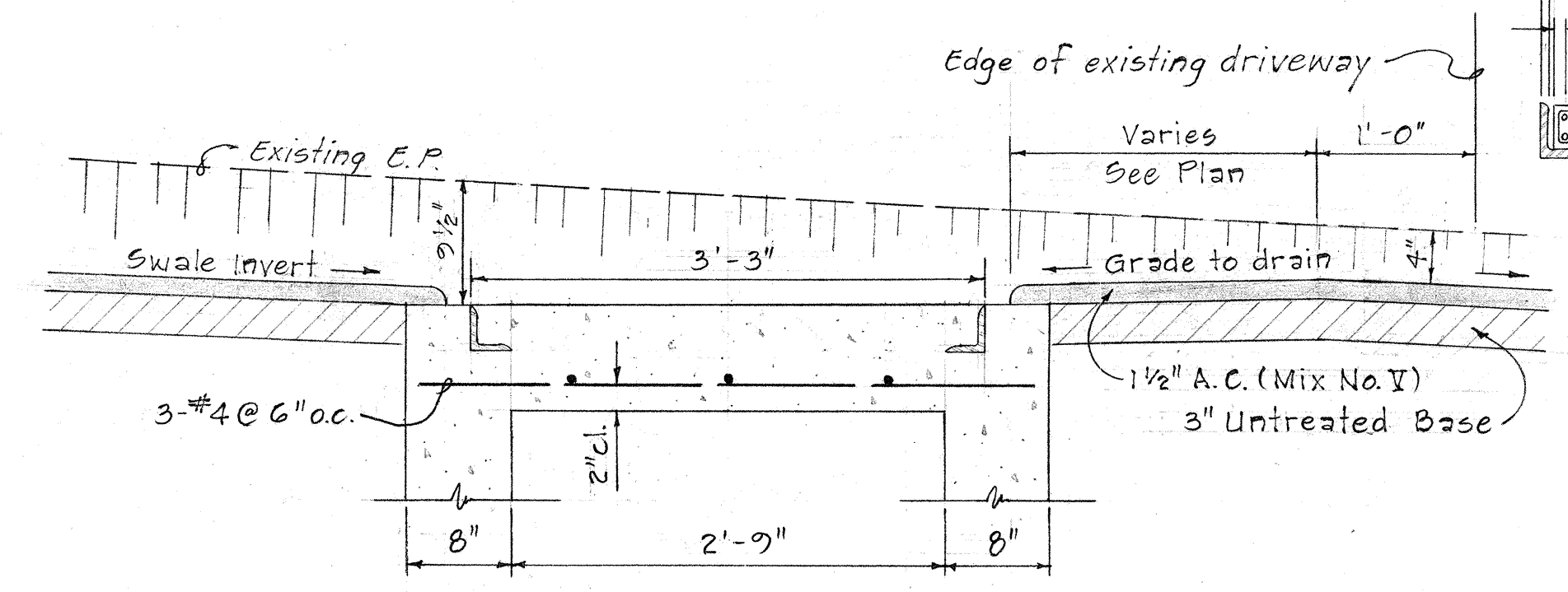
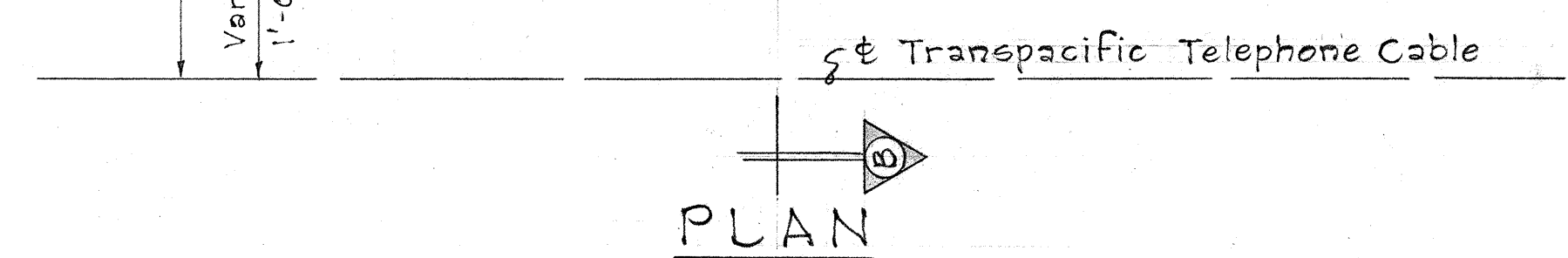
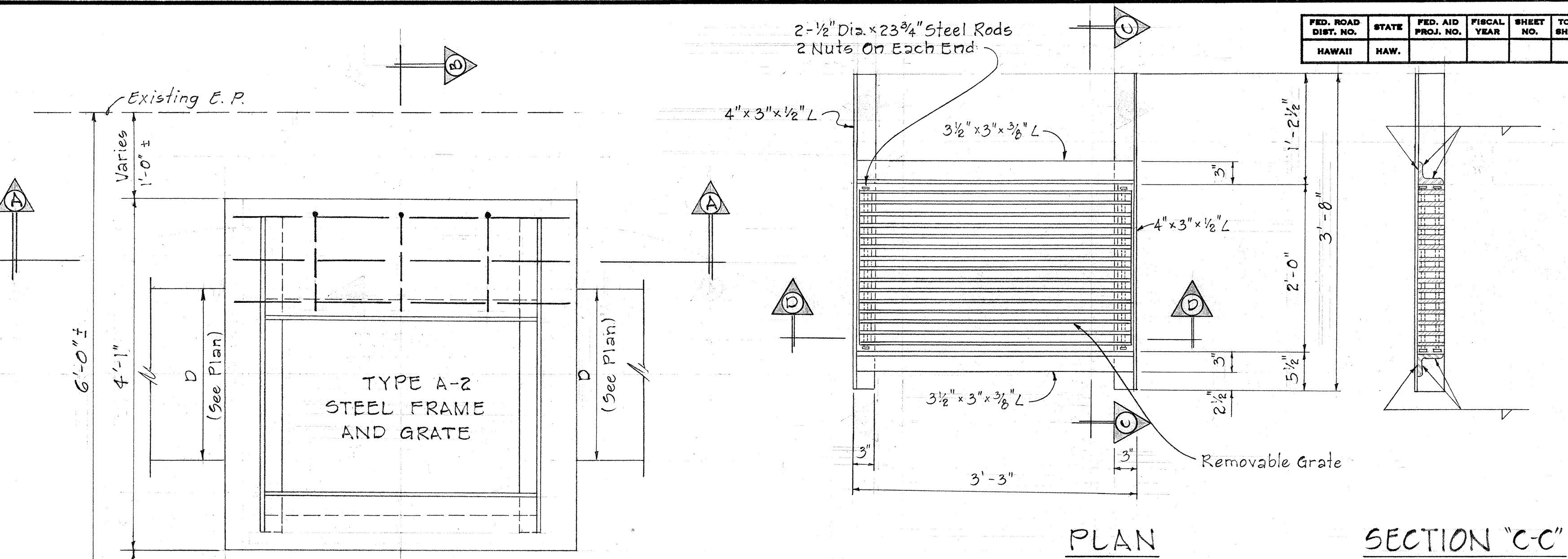


Note:
 Excavation to be paid for as roadway excavation.

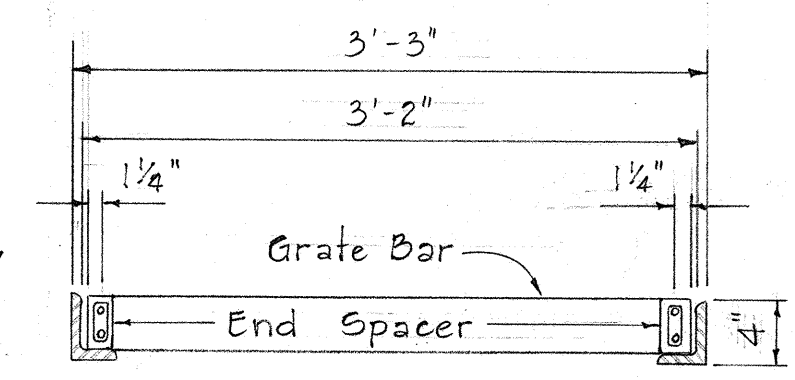
PROFILE
 Scale: 3/4" = 1'-0"



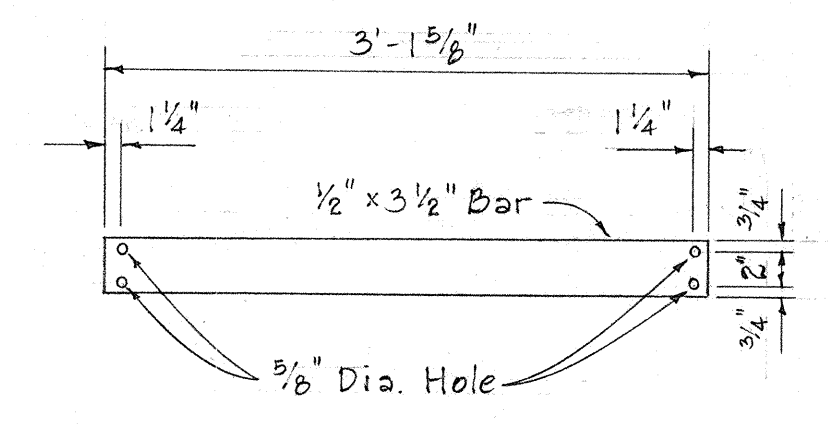
TYPICAL DETAIL OF DRIVEWAY
 Scale: As Shown



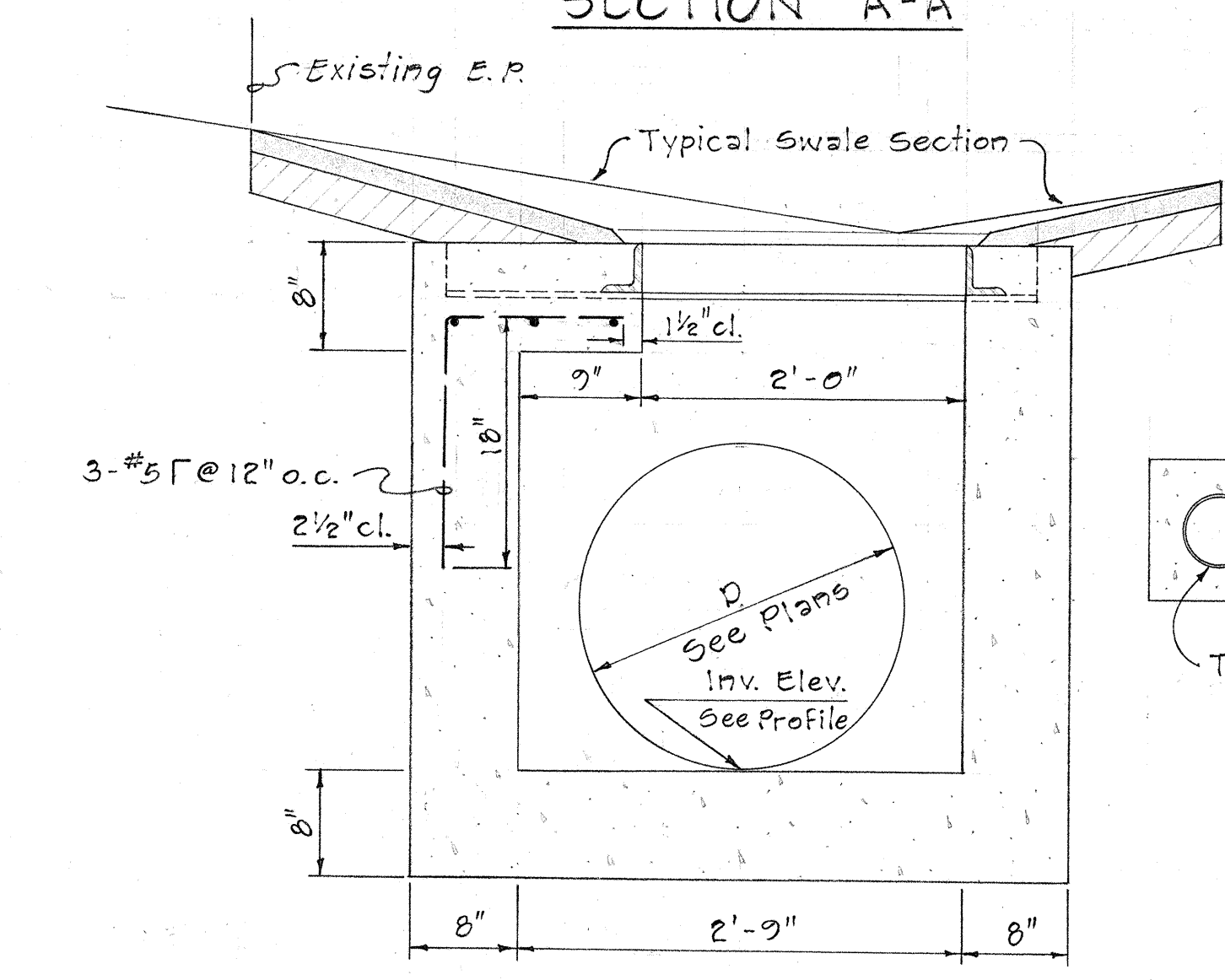
SECTION "A-A"



SECTION "D-D"

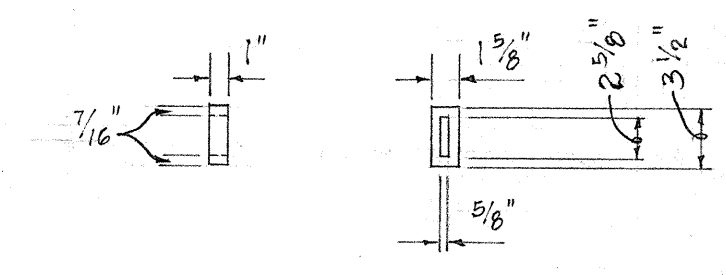


GRATE BAR



SECTION "B-B"

CONCRETE DROP INTAKE
 Scale: 1" = 1'-0"



END SPACER

- NOTES:**
1. All welds 3/8" unless otherwise noted.
 2. All steel shall be structural grade.
 3. Frame and Grate shall be hot dip galvanized after fabrication in accordance with Section 44(H) of the Standard Specifications.

DETAIL OF TYPE A2
STEEL FRAME AND GRATE
 Scale: 1" = 1'-0"

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
 DRAINAGE IMPROVEMENTS
 ON
 KALANIANA'OLE HIGHWAY
 (Vicinity of Moomuku Place)
 Proj. No. 72B-01-67
SPECIAL DETAILS
 Scale: As Shown Date: Nov., 1966
SHEET No. 1 OF 1 SHEETS

DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
NOTED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____