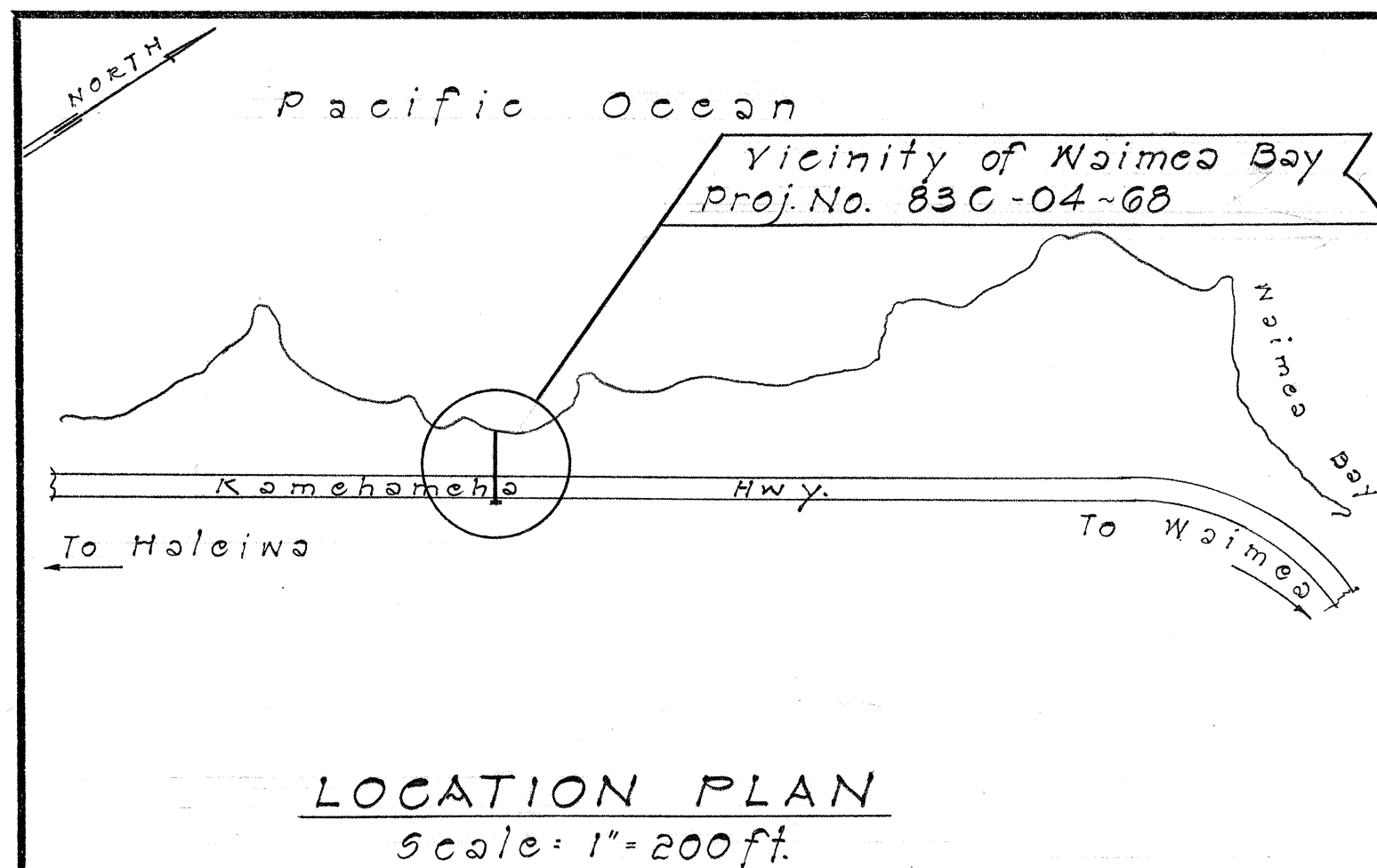
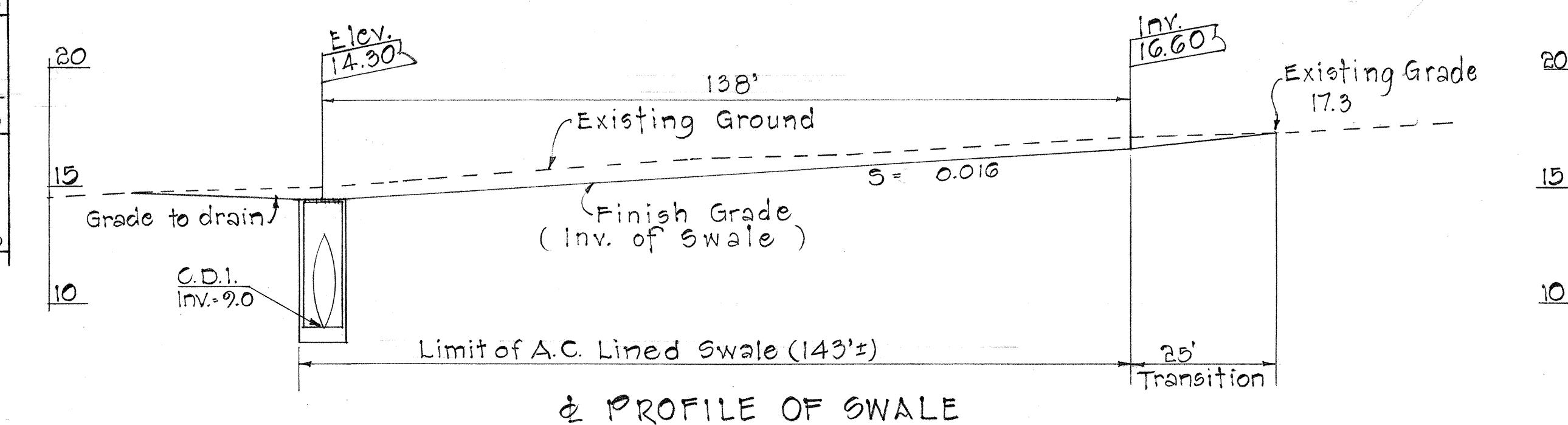
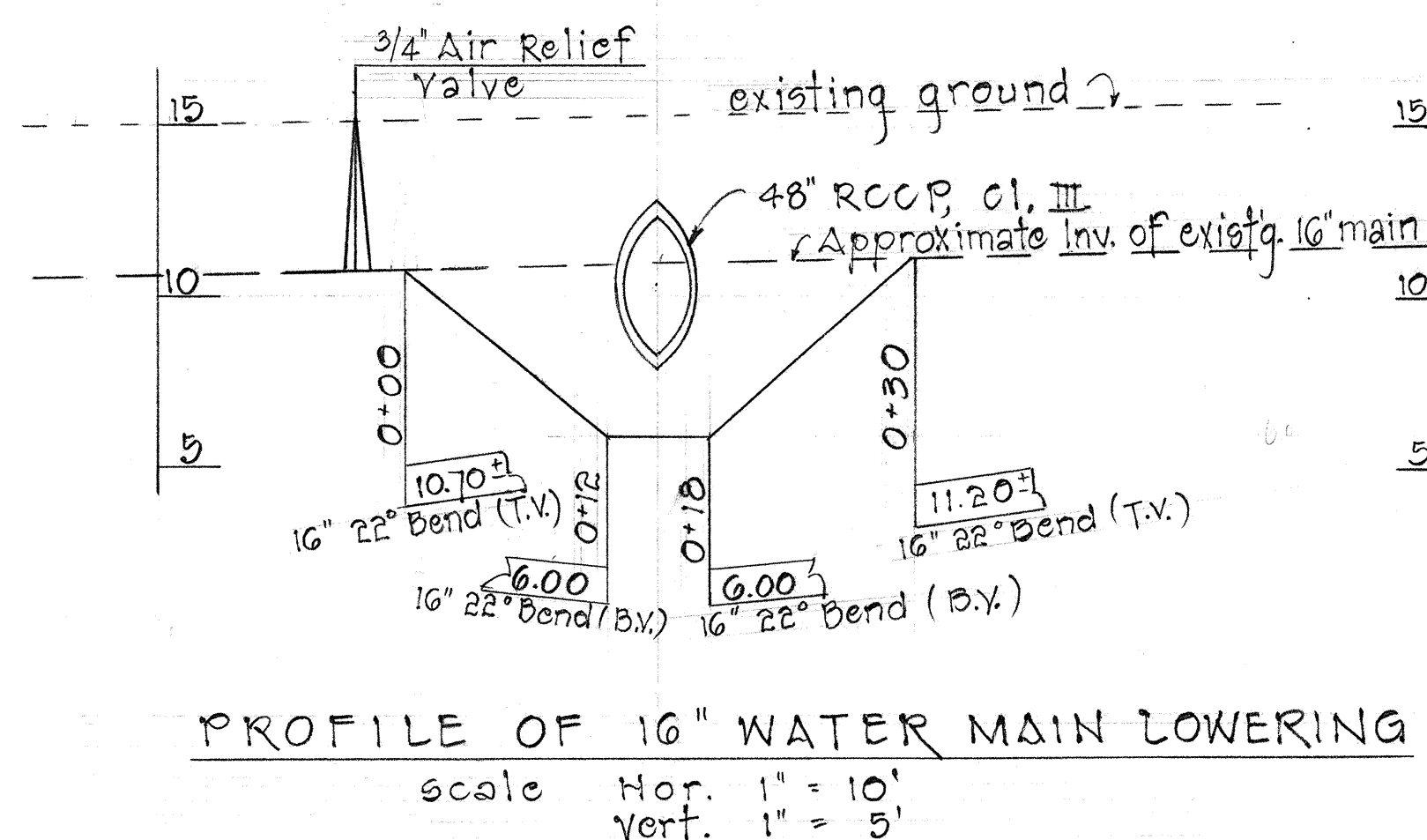
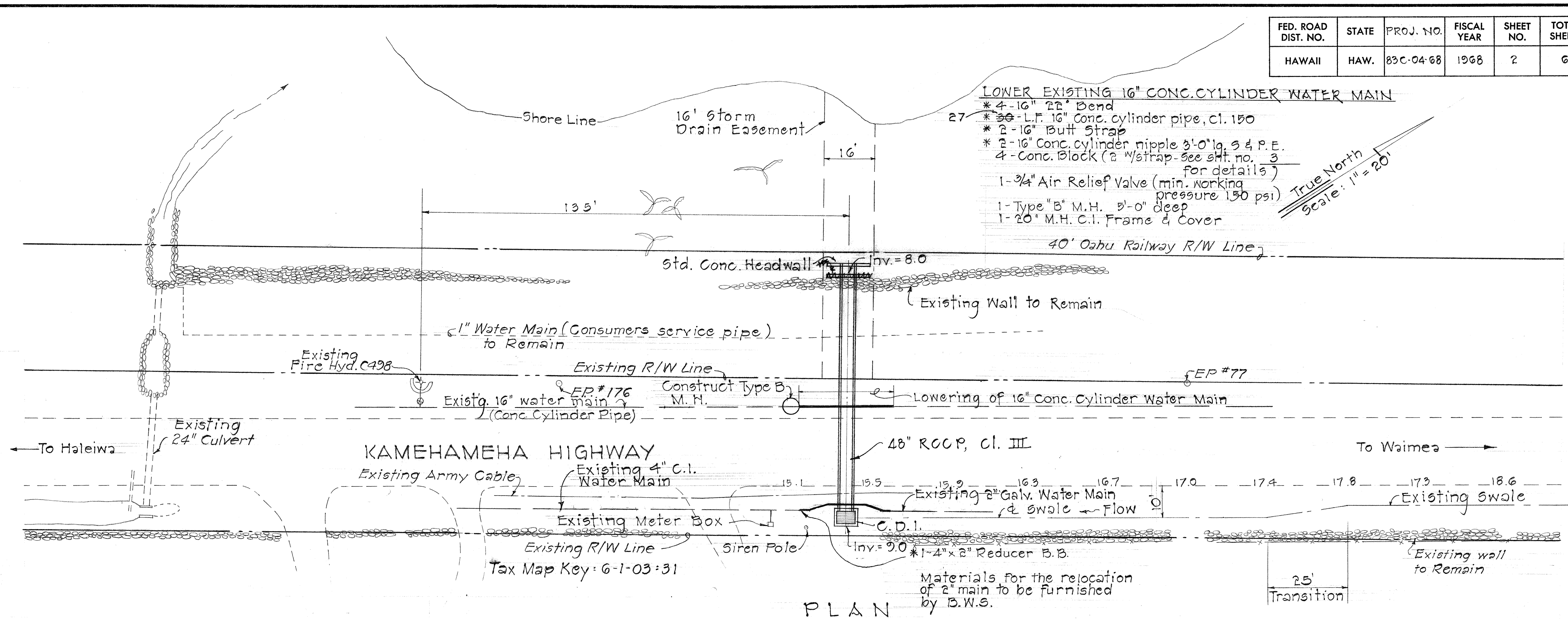




GENERAL NOTES

- The locations of existing utilities and appurtenances shown on the plans are approximate only. Any adjustment to the existing utilities and appurtenances whether shown on the construction plans or not shall be made and paid for by the project.
- The Contractor shall notify the Board of Water Supply in writing one week prior to commencing work on the water system.
- Asterisk (*) indicates work to be performed by B.W.S. Materials to be furnished by the Contractor unless specified as "relocate".
- All excavation and backfill shall be done by the contractor including excavation for the relocation and lowering of existing main and excavation for meter to consumer service pipe.
- The Contractor, upon receiving the Award of Contract from the State, shall notify Hawaiian Telephone Company in writing to coordinate the work involving the Army Cable.

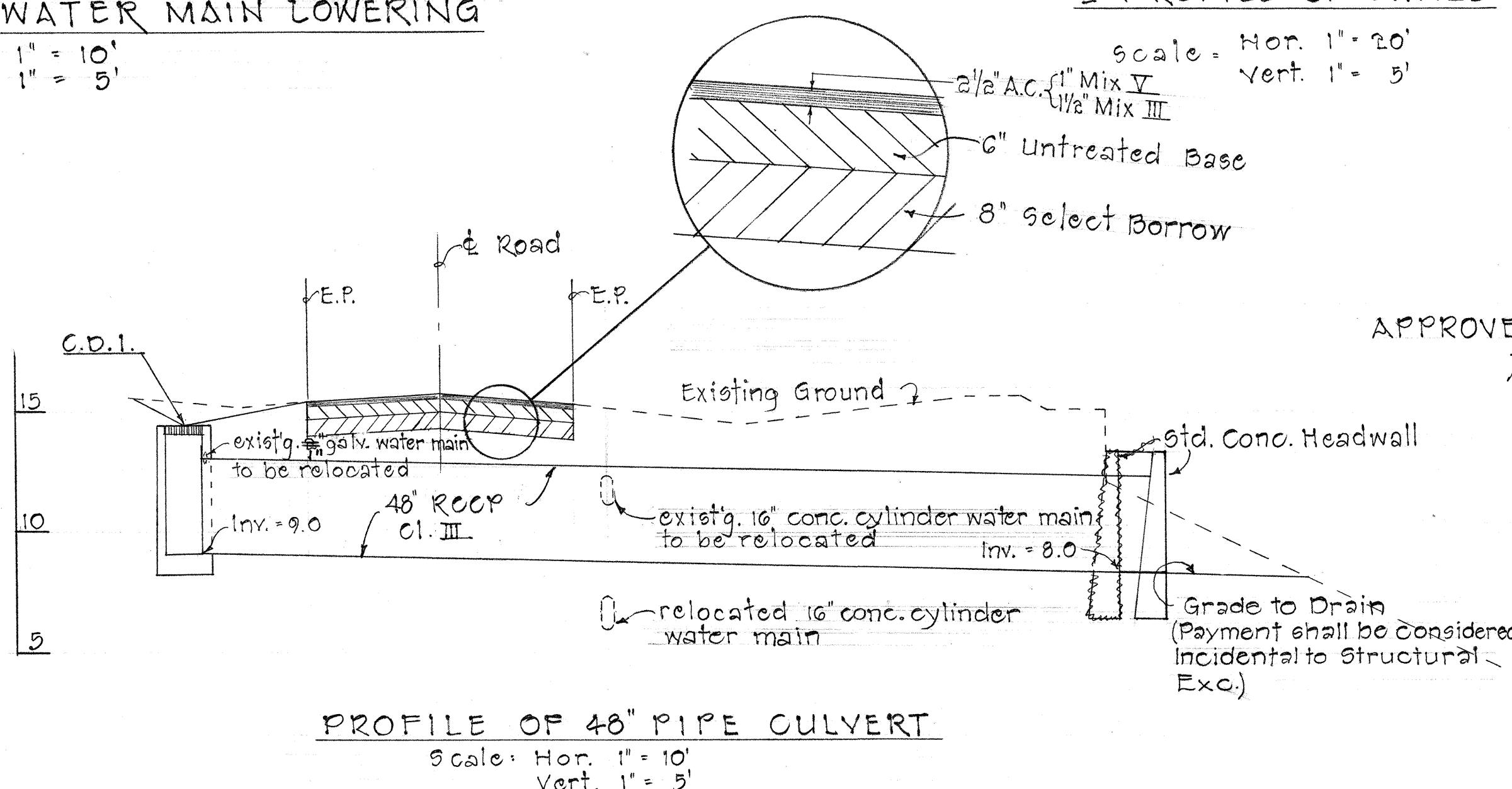
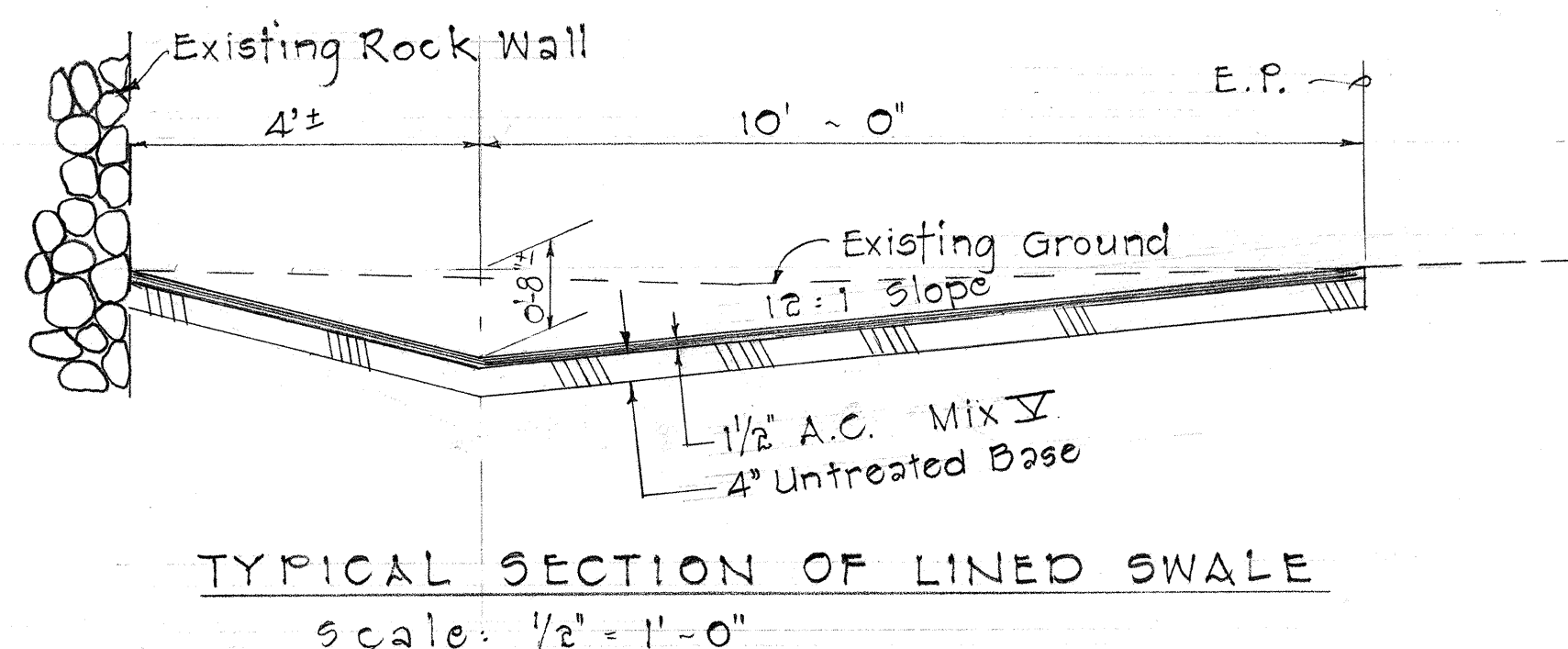


PIPE CULVERT CROSSING

- Construct Conc. Drop Intake w/Grates (For Details see sheet no. 2)
- Construct Std. Conc. Headwall
- Construct Asphalt Lined Swale (For Details, see this sheet)
- Install 48" ROCP, C.I. III
- Lower existing 16" Conc. Cylinder Water Main.

ESTIMATED QUANTITIES

- Structure Exc. = 204.7 - 195 C.Y.
- Ditch & Channel Exc. = 62 - 55 C.Y.
- Pipe Foundation Material = 24 - 15 C.Y.
- Class A-1 Conc. = 3.67 - 6 C.Y.
- Class B-1 Conc. = 11.17 - 16 C.Y.
- Reinf. Steel = 300 - 410 lbs.
- 48" ROCP, C.I. III = 80 - 76 L.F.
- Type 24-12 Steel Frame & Grates = 1 Ea.
- Restoring Highway Pavement and Asphalt Lined Swale = 1 L.S.



APPROVED: *R.K. Nagato* 5/10/68
for CHIEF, ENGINEERING DIVISION B.W.S. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**DRAINAGE IMPROVEMENTS ON
KAMEHAMEHA HIGHWAY
VICINITY OF WAIMEA BAY**
PROJECT NO. 83C-04-68
Scale: As Shown Date: May 17, 1968
SHEET No. OF SHEETS