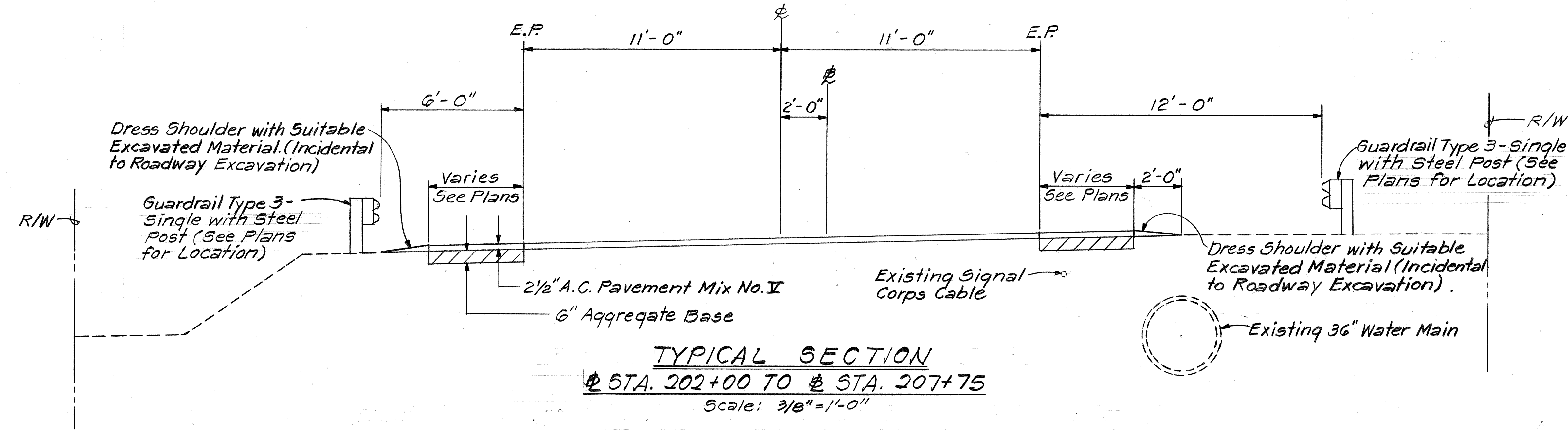


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HES-0300(23)	1984	2	42



GENERAL NOTES

- The scope of work for this project consists of installing grated drop intakes, reconstructing existing drop intakes, extending flat slab culverts, upgrading existing guardrails, installing new guardrails, paving shoulders, and replacing or installing traffic control devices.
 - The Contractor's attention is directed to Subsection 107.13 - 'Public Convenience and Safety,' and Subsection 107.14 - 'Barricades and Warning Signs' of the Special Provisions pertaining to peak hours of traffic, submitting a traffic control plan and other requirements necessary for providing safe movement of public traffic through the project areas.
 - The location of the Signal Corps Cable is approximate only. The Contractor shall notify the Hawaiian Telephone Co. one (1) week prior to the beginning of operations to verify the location of the cable. Any damage to the existing cable shall be repaired immediately by the Contractor and any cost as a result of said damages shall be borne by the Contractor.
 - All guardrail layouts shall be done by the Contractor but shall be approved by the Engineer before construction.
 - The Contractor shall saw cut the existing edge of pavement prior to excavation for paving of shoulders.
- Saw cutting shall be considered incidental to Item No. 401.0500 Asphalt Concrete Pavement, Mix No. V.
- During the compacting of the base and paving material for the outbound shoulder at the flat slab culverts, the Contractor shall use extreme caution to prevent damage to the new concrete pedestal for guardrail posts.
 - The final locations of all signs and markers shall be approved by the Engineer.
 - All reflector markers behind guardrails shall be installed on metal posts. All other markers shall be installed on flexible delineator posts.
 - All existing regulatory and warning signs, posts and markers shall be removed unless otherwise noted or directed by the Engineer. Existing signs shall not be removed until new signs are installed as replacements or until the messages are no longer applicable.

- Backing for all new regulatory and warning signs shall not be spliced.
- Existing markers, striping and markings not incorporated in the final traffic pattern shall be removed as directed by the Engineer.

GENERAL WATER NOTES

- Unless otherwise specified, all materials and construction of water system facilities and appurtenances shall be in accordance with the STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, dated 1970, as amended, of the Hawaii Highways Division, Department of Transportation.
- The BWS Standard Details, Figures 1 to 62 inclusive, bound in the "Water System Standards" of the BWS, dated March 1977, as amended, are applicable to this Project.
- Prior to excavating for new drain, sewer, and other utility lines, the Contractor shall verify in the field the location of existing water mains and appurtenances.

- Where the installation of new drain, sewer, and other utility lines are to cross over or under existing water mains, the Contractor shall expose the existing water mains prior to trenching. Excavation around water mains shall be done by hand.
- The Contractor shall notify the Board of Water Supply in writing one (1) week prior to commencing work on the water system.
- Approval by the Board of Water Supply is based solely on the adequacy of the water supply.

Discrepancies, if any, of alignments, grades, fittings, etc. shall not be the responsibility of the Board of Water Supply.

- The existence and location of underground utilities and structures as shown on the plans are from the latest available data but is not guaranteed as to the accuracy or the encountering of other obstacles during the course of the work. The Contractor shall be responsible and shall pay for all damages to existing utilities.
- Any adjustments to the existing water system required during construction to meet requirements of BWS Standards, whether shown on the plans or not, shall be done by the Contractor at no cost to the Board.
- Reapproval shall be required if this project is not under construction within a period of one year. (See Rules and Regulations of the Board of Water Supply).

APPROVED:
R. Nagato 7-19-84
 CHIEF, PLANNING & ENGINEERING, BWS DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTION
AND GENERAL NOTES
KALANIANA'OLE HIGHWAY
SAFETY IMPROVEMENTS NEAR MAKAPUU
F.A. Proj. No. HES-0300(23)
Scale: As Shown Date: Apr. 1984

SHEET NO. 1 OF 1 SHEETS

ORIGINAL PLAN	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	