

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83B-01-77M	1977	2	20

LEGEND

- PP Existing Power Pole
- Relocated Power Pole
- W₁₆ — Existing 16" Water Main
- SCC — Existing Signal Corps Cable

Sta. 2+00± Lt. to Sta. 8+50± Lt.

1. Construct realigned roadway and 4 ft. wide shoulder
2. Remove top portion of existing concrete retaining wall (see typical section)

Sta. 1+72± Lt. to Sta. 8+80± Lt.

Install 708± L.F. Guard Rail, Type 3-Double with Rub Rail on Steel Post.

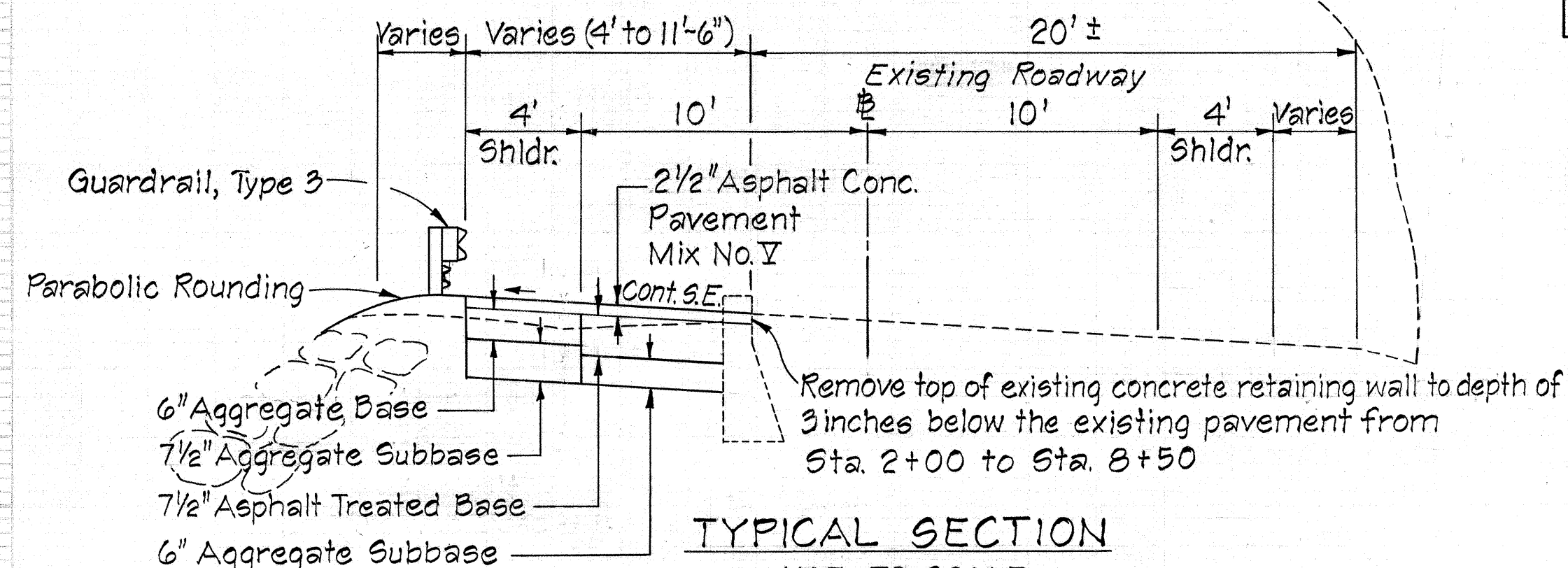
Sta. 6+85± Lt.

Relocate Utility Pole #204X (To be done by others)

GENERAL NOTES

1. To provide working space and a partial detour, the Contractor shall construct the roadway realignment before any rock clearing operations are begun.
2. The existing pavement from Sta. 2+00 to Sta. 8+50 shall be resurfaced with 3/4-inch thick A.C. Pavement Mix No. I after all rock clearing operations have ceased.
3. All holes, cracks and depressions in the existing pavement shall be cleaned of loose material, filled with A.C. Pavement Mix No. I and compacted level prior to resurfacing. Payment incidental to A.C. Pavement.
4. Smooth riding transitions shall be provided at the beginning and end of the resurfaced area as directed by the Engineer.
5. The location of the 6-foot chain link rock retaining fence, as shown on the plans, is approximate only. The exact location will be determined during construction as directed by the Engineer.
6. Payment for construction of the retaining wall ramp downs at Sta. 2+00 and Sta. 8+50 shall be incidental to Roadway Excavation and A.C. Pavement.
7. Location of signal corps cable as shown is approximate. The Contractor shall request Hawaiian Telephone Co. to field tone the cable before starting excavation (minimum 72 hours notice required). The Contractor shall exercise caution when working in the proximity of the cable and will be liable for any damage to the cable.
8. The Contractor's attention is directed to section 107.21 of the Standard Specifications.
9. The location of the Bus Stop and appurtenances near Sta. 130+50 (Old F.A.R. 3A) as shown is approximate. The exact location will be determined in the field by the Engineer.
10. Origin of Azimuths: "WAI MEA" Δ Coordinates referred to: "WAI MEA" Δ

CURVE DATA			
	1	2	3
Δ	03° 00' 14"	19° 20' 51"	02° 07' 37"
R	4,800.00	600.00	4,800.00
T	125.86	102.28	89.10
Lc	251.65	202.61	178.19



NOTE:
See Section 642 of the Special Provisions for pavement striping details.

APPROVED: *[Signature]* 5/4/77
Chief, Planning and Engineering B.W.S. gm Date

PROFILE
Scale: Hor. 1" = 40'
Ver. 1" = 4'

1. 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 1976, as amended, of the Hawaii Highways Division, Department of Transportation.

Where the installation of new Guard Rails are to cross over the existing water main, the Contractor shall locate the guard rail posts a minimum of 3 feet away from the center line of the water main.

4. Approval by the Board of Water Supply is based solely on the adequacy of the water supply.

5. 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.

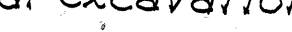
2 CURVE DATA

$$\begin{array}{rcl} \Delta & = & 108^{\circ} 50' \\ R & = & 325 \\ T & = & 454.22 \\ C & = & 528.65 \\ L & = & 617.32 \\ EW & = & 3.50 \\ SE & = & 0.065 \end{array}$$

NOTE:
Stationing is based on
old F.A.P. 3A.



TYPICAL SECTION NOTES:

1. Hatched area shown thus  denotes limits of structural excavation.
2. Hatched area shown thus  denotes limits of structural backfill.
3. Excavate footing and construct neat against undisturbed existing ground. In case of over excavation, space between footing and ground shall be filled with concrete at the Contractor's expense and as directed by the Engineer. The minimum quality of fill concrete shall be Class D. Payment incidental to Cement Rubble Masonry.

ESTIMATED QUANTITIES:

Roadway Exc.	86	C.Y.
Structure Exc.	75	C.Y.
Structure Backfill	65	C.Y.
Filter Material	20	C.Y.
A.T. B.	107	Ton
Agg. Subbase	40	C.Y.
A.C. Mix V	39	Ton
C.R.M.	105	C.Y.
4-foot C.L. Fence	70	L.F.
Bituminous Sidewalk	9	Ton
Bed Course Material	11	C.Y.
Pavement Striping	500	L.F.

5/27/77	Addition of Bus Stop on makai edge of road near Sta. 130+00
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DATE	REVISION
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAILS OF BUS STOP
KAMEHAMEHA HIGHWAY
IMPROVEMENTS FOR
WAIMEA BAY ROCK OVERHANG
PROJECT NO. 83B-01-77M

Scale: As Noted

SHEET No. OF SHEETS

SCALE: $1/2" = 1' - 0"$

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ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
	DRAWN BY _____ "
	DESIGNED BY _____ "
NOTE BOOK	QUANTITIES BY _____ "
No. _____	CHECKED BY _____ "