

GENERAL NOTES

- The existing location of all underground utilities shall be confirmed by the Contractor in the field prior to excavation of the culvert trench. The Contractor shall notify the proper utility agencies for coordination of any work involved.
- In addition, the Contractor shall excavate at the "Control Points" shown on the Plans. In conjunction with the location of utility lines, the Engineer may adjust the location and/or inverts of the culverts being installed.
- The Contractor shall notify the owner and/or tenants of the property (in writing) at least one week in advance as to the time and duration of the work involved in the modification of driveways.
- The Contractor shall cooperate with the owner and/or his tenants during construction to minimize inconvenience to the occupant.
- Any damage to existing pavement other than that within the payment limits at Sta. 76+36± shall be repaired by the Contractor at his own expense subject to the approval of the Engineer.
- In conjunction with "Note 2" the Contractor shall coordinate with the Hawaiian Telephone Co. for an inspector before excavation. (Telephone 828-223)

STA. 72+40 to STA. 72+50

Excavate Earth Transition Swale.
(Incidental to roadway excavation.)

STA. 73+20±

Adjust existing manhole as required.
(To be determined by the Engineer.)

ESTIMATED QUANTITIES

Adjusting Manhole Frame and Cover 1 Ea.

STA. 72+50 to STA. 76+25±

Construct A.C. Swale, Driveway Swale, and Transition Swale. (See Plan for limits of each.)

ESTIMATED QUANTITIES

Roadway Excavation	20 C.Y.
Untreated Base	8 C.Y.
A.C. Pavement	2340 S.F.

STA. 74+08, STA. 75+00 and STA. 76+15

Construct Concrete Drop Intakes #1, #2 and #3.
For detail, see sht. no. 3.

ESTIMATED QUANTITIES

Structure Excavation	23 C.Y.
Class A-1 Concrete	6 C.Y.
Type A2 Steel Frame and Grate	3 Ea.

STA. 74+08 to STA. 76+36±

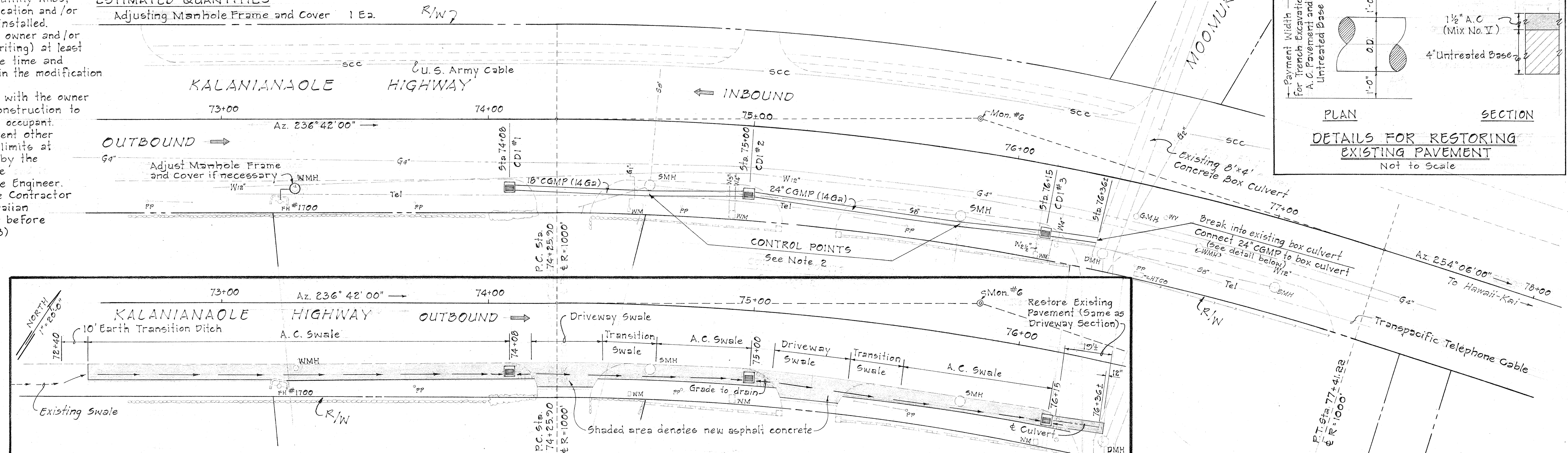
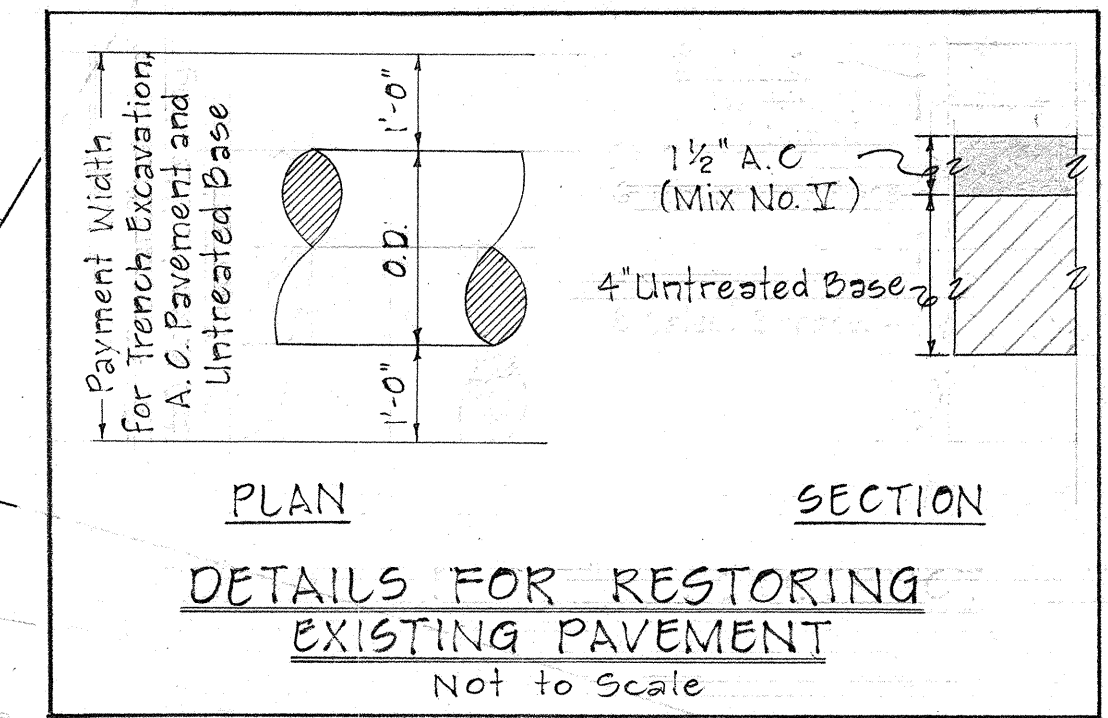
Install pipe culverts and restore existing pavement.

ESTIMATED QUANTITIES

Structure Excavation	165 C.Y.
18" CGMP (14 gage)	92 L.F.
24" CGMP (14 gage)	136 L.F.
Untreated Base	1 C.Y.
A.C. Pavement	66 S.F.

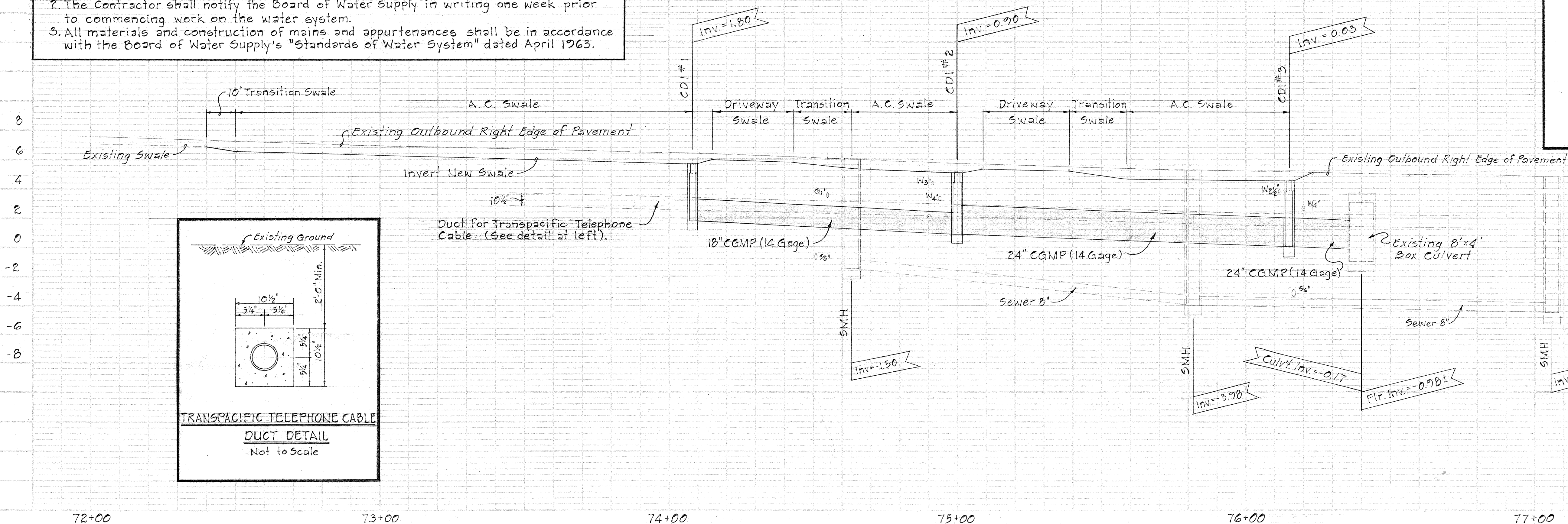
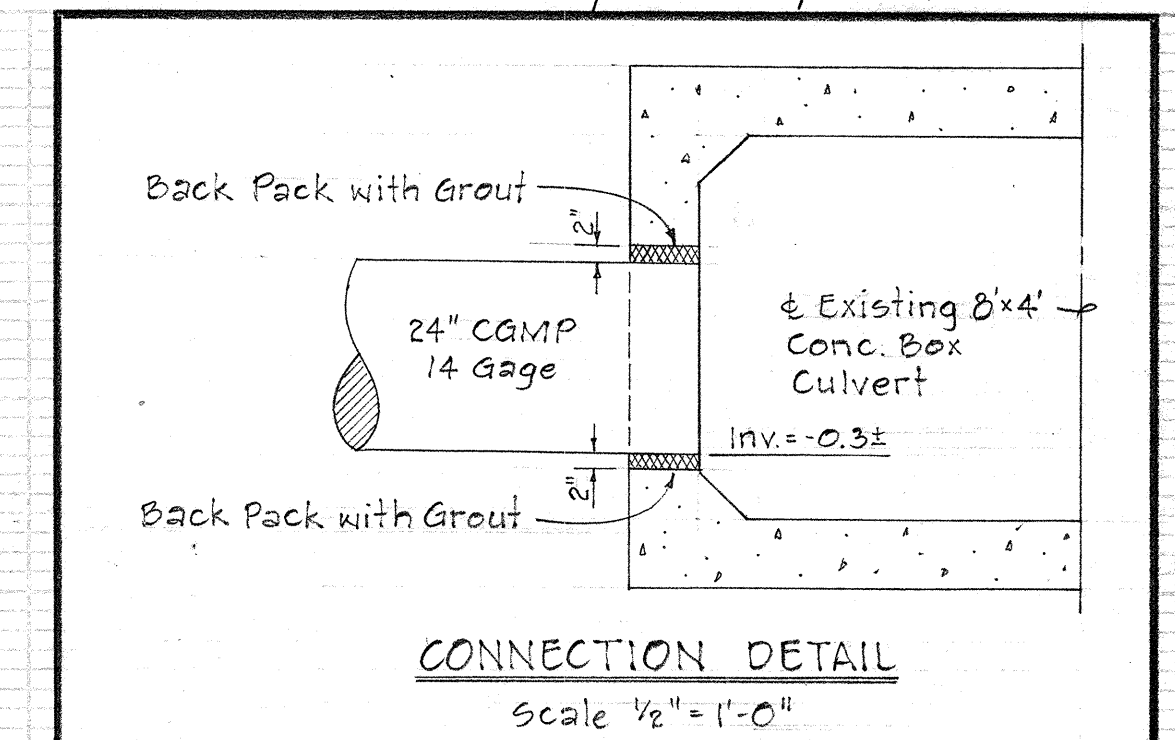
STA. 76+36±

Break into existing 8'x4' concrete box culvert and connect 24" CGMP (14 gage) to box culvert. (Incidental to Structure Excavation.)
See "Connection Detail" on this sheet.



WATER NOTES

- Board of Water Supply readjustment of water services and/or meters to facilitate construction of drain improvements shall be paid for by the Contractor. The Contractor shall provide the necessary excavation and backfill.
- The Contractor shall notify the Board of Water Supply in writing one week prior to commencing work on the water system.
- All materials and construction of mains and appurtenances shall be in accordance with the Board of Water Supply's "Standards of Water System" dated April 1963.



APPROVED:
[Signature] 11-17-66
ASS'T. CHIEF ENGINEER, BWS DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DRAINAGE IMPROVEMENTS
ON
KALANIANA'OLE HIGHWAY
(Vicinity of Moomuku Place)
Proj. No. 72B-01-67

PLAN AND PROFILE
Scale: As Shown Date: Nov., 1966