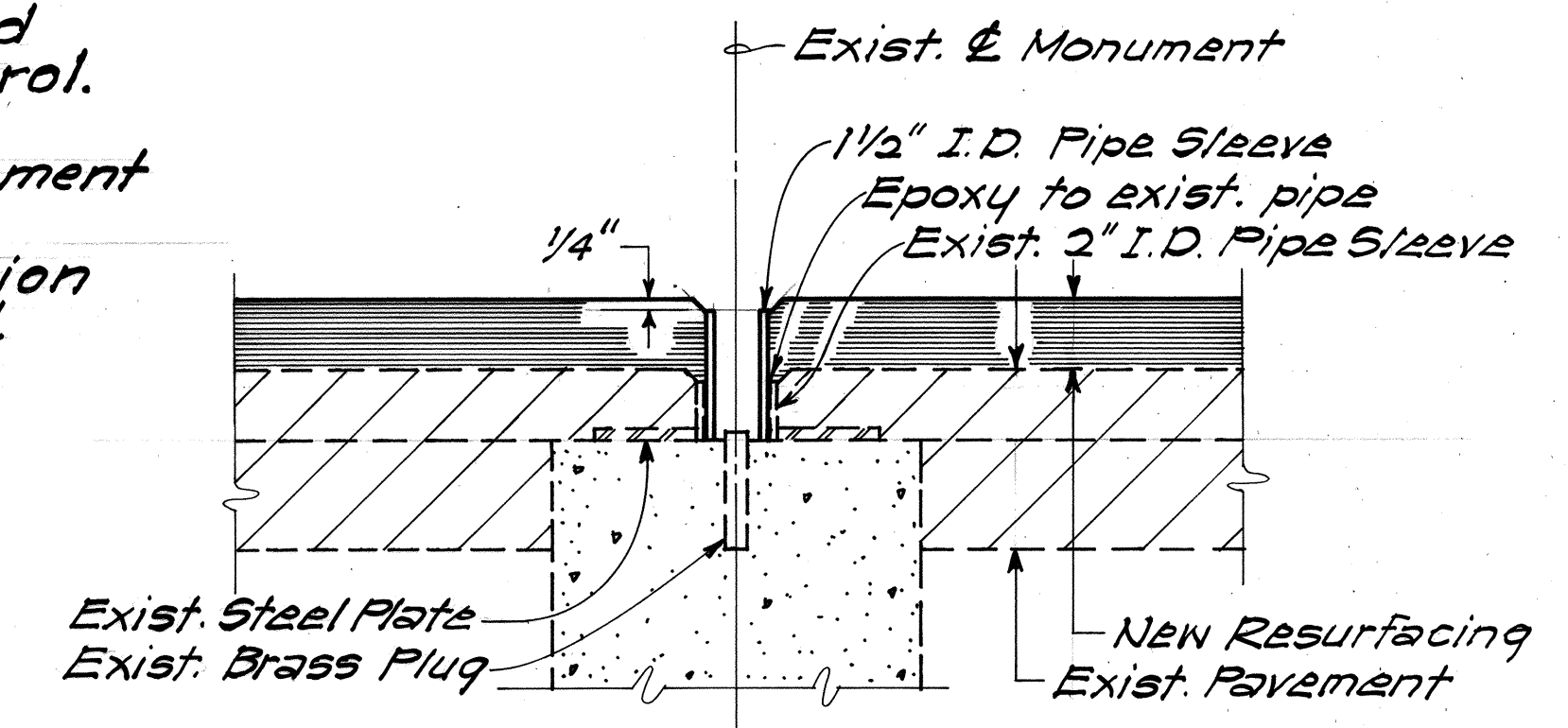


## GENERAL NOTES

- The scope of work for this project consists of resurfacing with asphalt concrete, reconstruction of weakened pavement areas, adjusting existing manhole frames and covers, installing vehicle loop detector sensing units, pavement striping and markers.
- The entire roadway area within the project limits, including bikeways shall be resurfaced with  $1\frac{1}{2}$ " of Asphalt Concrete Pavement Mix No. V, except the Kuliouou Bridge which shall be scarified and resurfaced with 2" of A.C. Pavement Mix No. V and the bikeway behind the guardrail between Sta. 92+10± and Sta. 98+80± shall be resurfaced with 1" A.C. Pavement Mix No. V.
- The exact limits of areas to be reconstructed shall be determined in the field by the Engineer.
- The depth of excavation for reconstruction shall be the reconstruction thickness minus the overlay thickness as designated on the plans. The excavated areas shall be reconstructed with Plant Mix Asphalt Treated Base Course prior to resurfacing.
- Ruts on the existing roadway pavement shall be filled with a thin layer of leveling Course A.C. Pavement Mix No. V prior to resurfacing. This leveling course will be considered as A.C. Pavement Mix No. V and paid for under Item No. 401.0500.
- Smooth riding transition as directed by the Engineer shall be provided at the beginning and end of the project.
- Provide smooth riding transitions at side streets and driveways up to the State R/W line.
- If at the end of a work day the full travelway or total width of roadway is not paved, the Contractor shall pave the longitudinal pavement drop between lane passes of paver with a 4:1 slope transition. Prior to resuming paving, the 4:1 slope transition shall be removed. The furnishing, paving and removing the 4:1 Asphalt Concrete slope transition shall be considered incidental to Item No. 401.0500, Asphalt Concrete Pavement Mix No. V and will not be paid for separately.
- The Contractor shall remove and dispose all existing raised pavement markers in the resurfacing areas prior to overlaying of Asphalt Concrete. This work shall be considered incidental to the various contract items and will not be paid for separately.
- Deactivation of all traffic detectors shall be accomplished by the City and County of Honolulu, DOT5 Traffic Signal Section. Contact Carl Hagihara at 523-4961 seven (7) days in advance for this service. Once deactivated, the Contractor must reconstruct pavement if required and install new loop detectors in one (1) working day.
- The Contractor shall give advance notice to the Utility Agencies or Companies as indicated below prior to any paving operations:
  - Board of Water Supply, Field Operation Division seven (7) days by calling 548-6169 or 548-5220.
  - Waste Water Management Division, Construction Section seven (7) days by calling 523-4344.
  - All other applicable Utility Agencies or Companies (7) days.
- The Contractor shall notify the Mass Transit Line, Inc. Customer and Public Relations Office at 537-9224 seven (7) days prior to any paving operations.
- Unless otherwise specified, all materials and construction of water system facilities and appurtenances shall be in accordance with the STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, dated 1976, as amended, of the Hawaii Highways Division, Department of Transportation.
- Unless otherwise specified all work performed on the sewer system facilities shall be in accordance with the City & County of Honolulu "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" dated May 1975, and the latest Department of Public Works "STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION" dated August 1976 and the revised ordinances of Honolulu, 1978, as amended.
- The Contractor shall be responsible for obtaining written clearance from and notifying Gasco, Inc. and HECO five (5) and ten (10) working days respectively before starting any excavation work near their utility lines.
- The existence and location of underground utilities, manhole and structures as shown on separate plans. Available for review at 4th floor 869 Punchbowl Street are from the latest available data but is not guaranteed as to the accuracy or the encountering of obstacles during the course of the work. The Contractor shall be held liable for any damages incurred to the existing utilities as a result of his operations. All damaged portions shall be replaced in accordance with the Standards and Specifications of the State and/or the affected utility company.
- The Contractor shall raise all traffic signal pullboxes and water meter boxes within the resurfacing area, to new grade. Traffic signal pullboxes shall be raised by adding  $1\frac{1}{2}$ " of grout.
- The Contractor shall adjust all manhole frames and covers, including those that are paved over with A.C. except for HECO and HECO facilities which will be adjusted by their own forces. Removal of existing A.C. over manhole frames and covers shall be incidental to Item No. 604.4010 - Adjusting Manhole Frame and Cover. HECO manholes shall be identified, referenced, paved over and marked, but pullboxes and handholes shall not be paved over. The Contractor shall contact HECO and coordinate this work. HECO manholes, pullboxes, and handholes shall be identified, referenced, paved over and marked. The Contractor shall mark all four corners of pullboxes and handholes. The identifying, referencing and marking of facilities to be paved over shall be incidental to the various contract items.
- The Contractor shall submit a written proposed intention to change existing traffic patterns (e.g. lane closures, road closures, re-channelization, etc.) ten (10) calendar days prior to the proposed change. The submittal to the Engineer shall contain a brief description of what will be done and the time and days of the proposed change. The Contractor shall furnish and install informational signs at impending proposed

changes along the approaches to the affected area for three (3) working days prior to the proposed changes. This work shall be paid for under Item No. 645.1000 - Traffic Control.

- Smooth riding transition between all pavement areas used by public traffic during each construction phase and between transition of construction phases shall be provided.



### SECTION THRU MONUMENT

#### NOTE

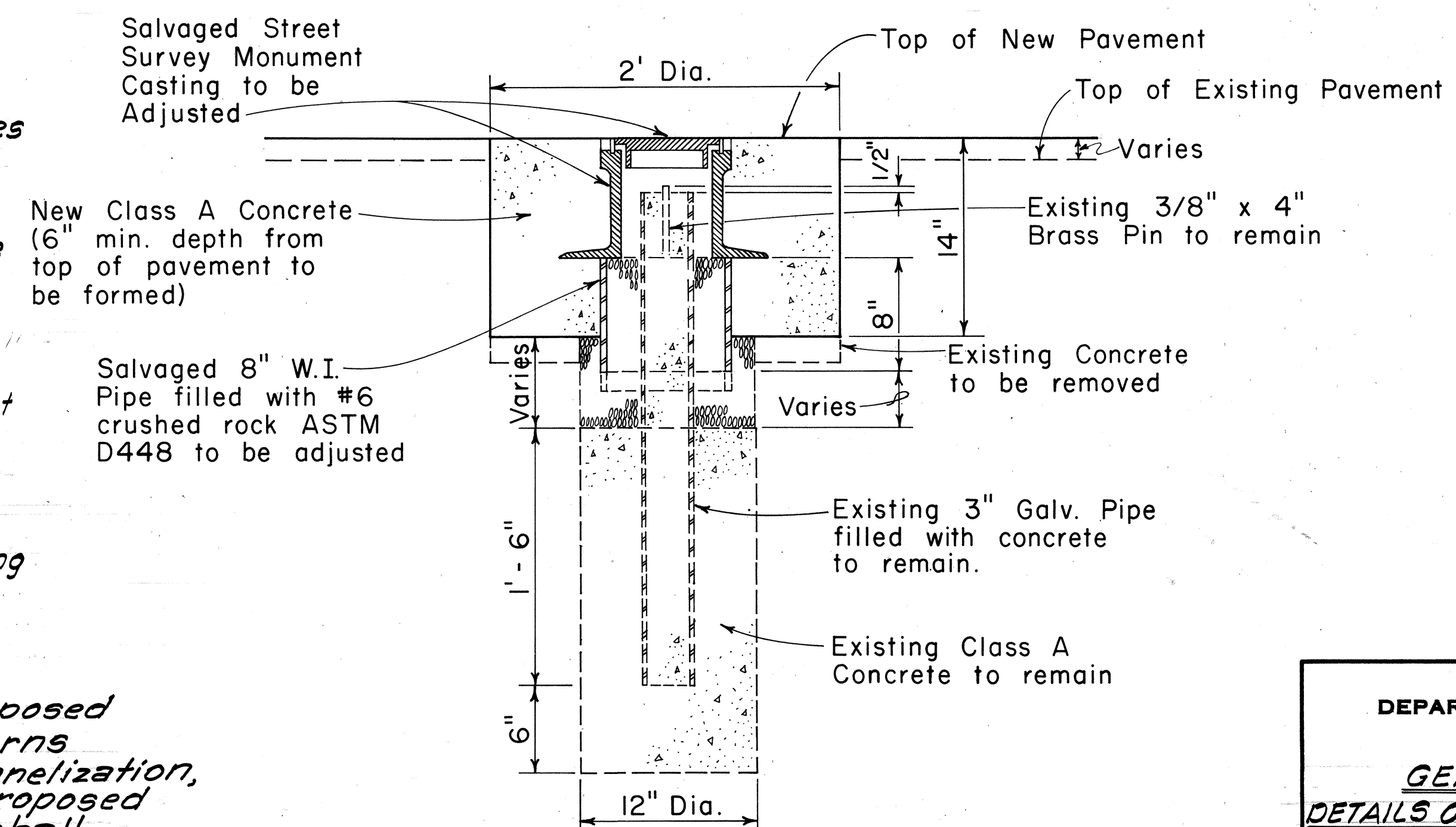
Adjustment of Centerline Monuments shall not be paid for separately, but shall be considered incidental to the various contract items.

### DETAIL FOR PRESERVING CENTERLINE MONUMENT

Not to Scale

### SCHEDULE OF MANHOLE FRAME AND COVERS TO BE ADJUSTED

DESCRIPTION	APPROX. QUANT.
BWS - 20" MH Frame & Cover	144
BWS - 20" MH Frame & Cover (paved over)	10
BWS - 6" MH Frame & Cover	46
BWS - 6" MH Frame & Cover (paved over)	10
Sewer - 24" MH Frame & Cover	29
Sewer - 24" MH Frame & Cover (paved over)	38
Gas - 24" MH Frame & Cover	4
Gas - 24" MH Frame & Cover (paved over)	4
SDMH - 24" MH Frame & Cover	9



### TYPICAL STREET SURVEY MONUMENT ADJUSTMENT

Scale:  $1\frac{1}{2}$ " = 1' - 0"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-01-83M	1983	2	23

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
GENERAL NOTES AND DETAILS OF MONUMENT ADJUSTMENTS	
KALANIANA'OLE HWY. RESURFACING Kirkwood St. towards Portlock Rd. Proj. No. HWY-0-01-83M	
Scale: As Shown	Date: July, 1982
SHEET No. 1 OF 1 SHEETS	