

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0300(43)	2002	C.O. 9	10

Notes

- On the trench side of the existing seawall, repair any holes in the seawall by patching with stone and mortar and replace any missing mortar with new mortar. Repairing the existing seawall will be paid under Item No. 508.0100 - Cement Rubble Masonry. Do not repair the existing seawall on the ocean side of the seawall. See Specs.
- Refer to Hawaii Standard Specifications for Road, Bridge and Public Works Construction, 1994 Edition and Special Provisions.
- Except as noted otherwise, all dimensions are measured plumb.
- All items noted incidental will not be paid for separately.
- The Contractor shall verify the locations of all existing utility lines and notify their respective owners before commencing with any work.
- The Contractor shall verify all grades and dimensions in the field before commencing with any work.
- The Contractor shall be solely responsible for the protection of adjacent property, utilities and existing and new structures from damage due to construction. Repairing any damage shall be at the Contractor's own expense, to the satisfaction of the Engineer. He shall conduct his work in such a manner and provide such temporary shoring or other measures as may be necessary to insure the safety to all concerned, to protect existing structures, and to prevent any unpermitted discharges into the ocean.
- The Contractor shall submit drawings for the proposed shoring details needed to protect the existing seawall and all excavation cuts. The drawings shall be stamped by a licensed Structural Engineer in the State of Hawaii. The shoring drawings shall be reviewed by the Engineer before any construction work is to proceed.
- At irregular areas where the surfaces for the placement of geotextile reinforcing and polyethylene film are not uniform, surge rock shall be placed in void spaces to make a uniform surface for placement of the geotextile and polyethylene film. The polyethylene film will not be paid for separately and shall be considered incidental to Item No. 649.1000.
- Note that depending on actual conditions, the seal concrete may need to be placed underwater by means acceptable to the Engineer. Dewatering is not permitted.
- Reinforced concrete: 4,000 psi. See Special Provisions.
- Reinforcing steel: ASTM A615, Grade 60.

Legend

- Denotes limits of Controlled Low Strength Material (CLSM)
- Denotes limits of seal concrete
- Denotes limits of surge rock backfill
- Denotes limits of excavation

APPROVED:

Signature
SENIOR VICE-PRESIDENT
FOR ADMINISTRATION
UNIVERSITY OF HAWAII
STATE OF HAWAII

11/14/01
DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

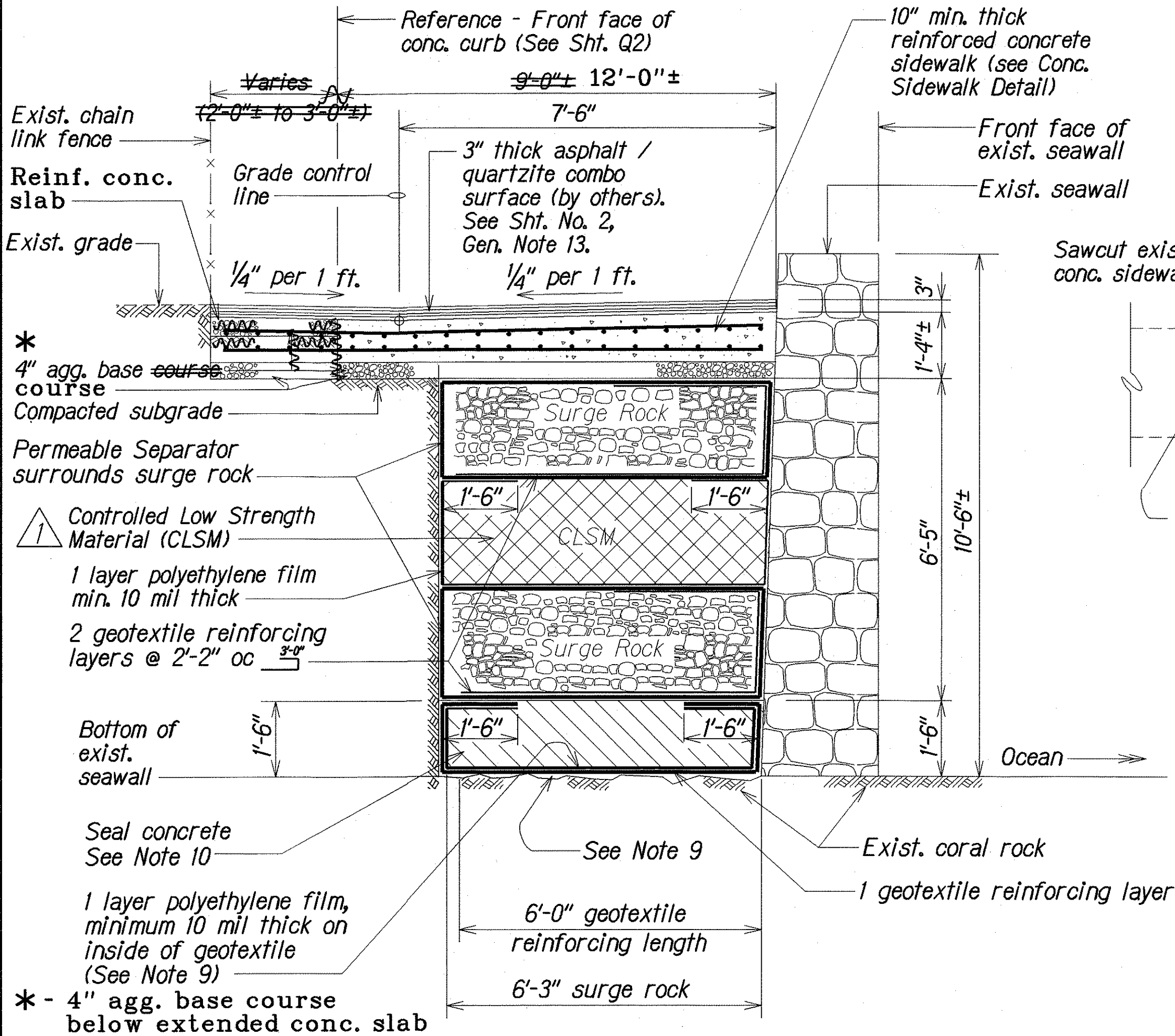
SECTIONS, DETAILS, ESTIMATED QUANTITIES, NOTES & LEGEND

WAIKIKI AQUARIUM
Repair of Pedestrian Walkway
Fed. Aid Project No. STP-0300(43)

Scale: As Noted

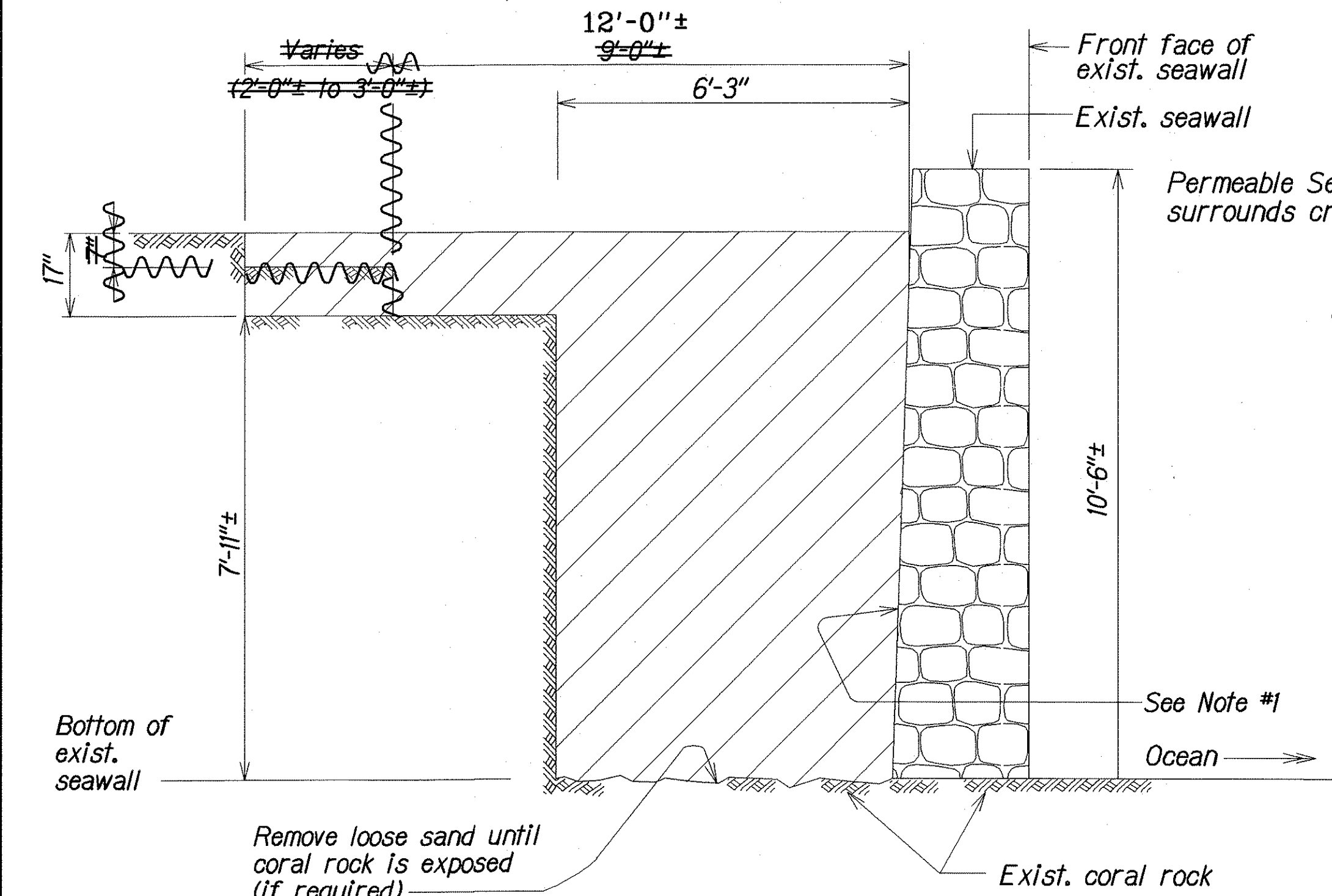
Date: June, 2001

SHEET No. Q3 OF 3 SHEETS



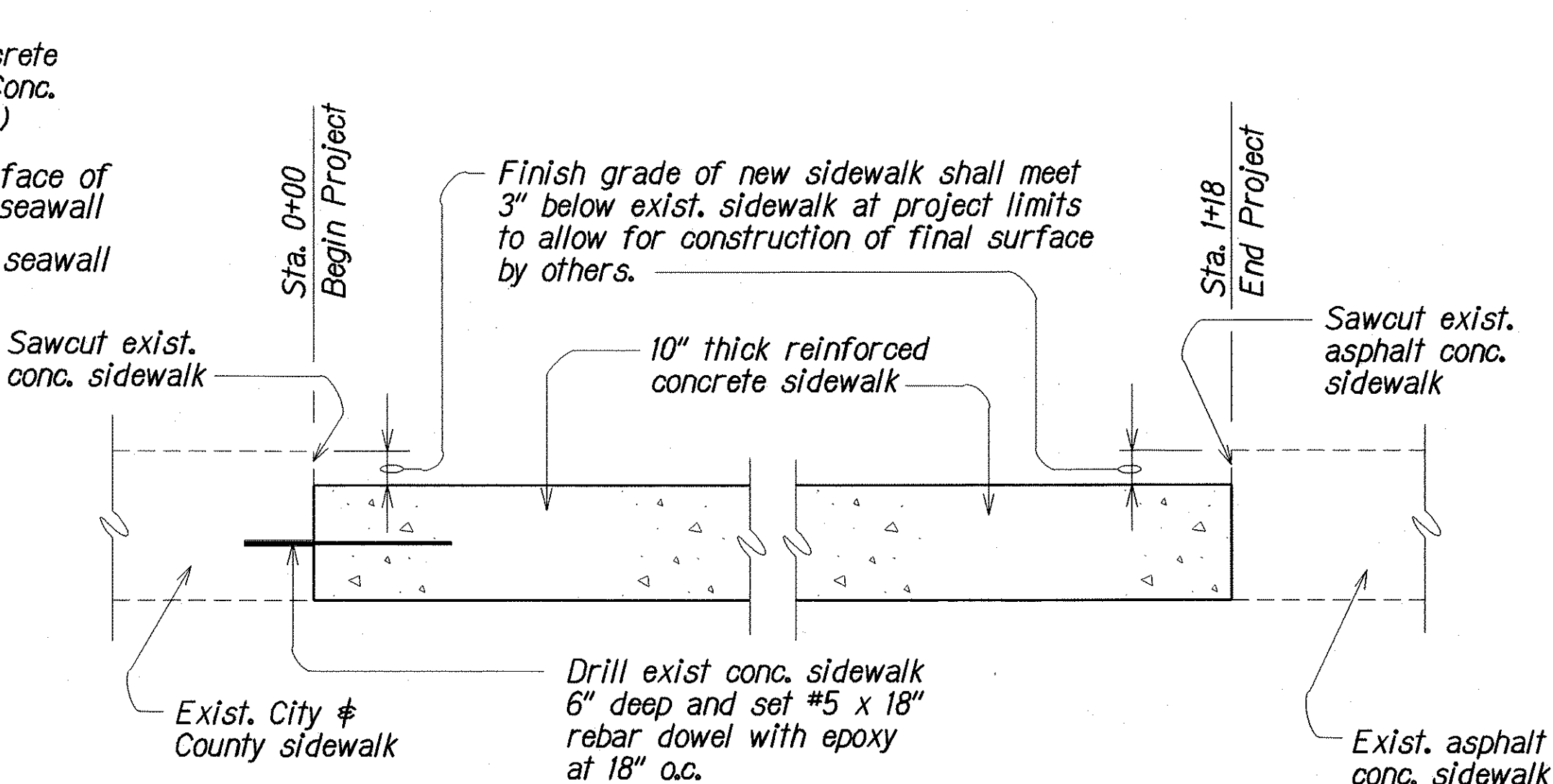
NEW SIDEWALK SECTION

Scale: 1/2" = 1'-0"



PAY LIMITS - EXCAVATION FOR SIDEWALK

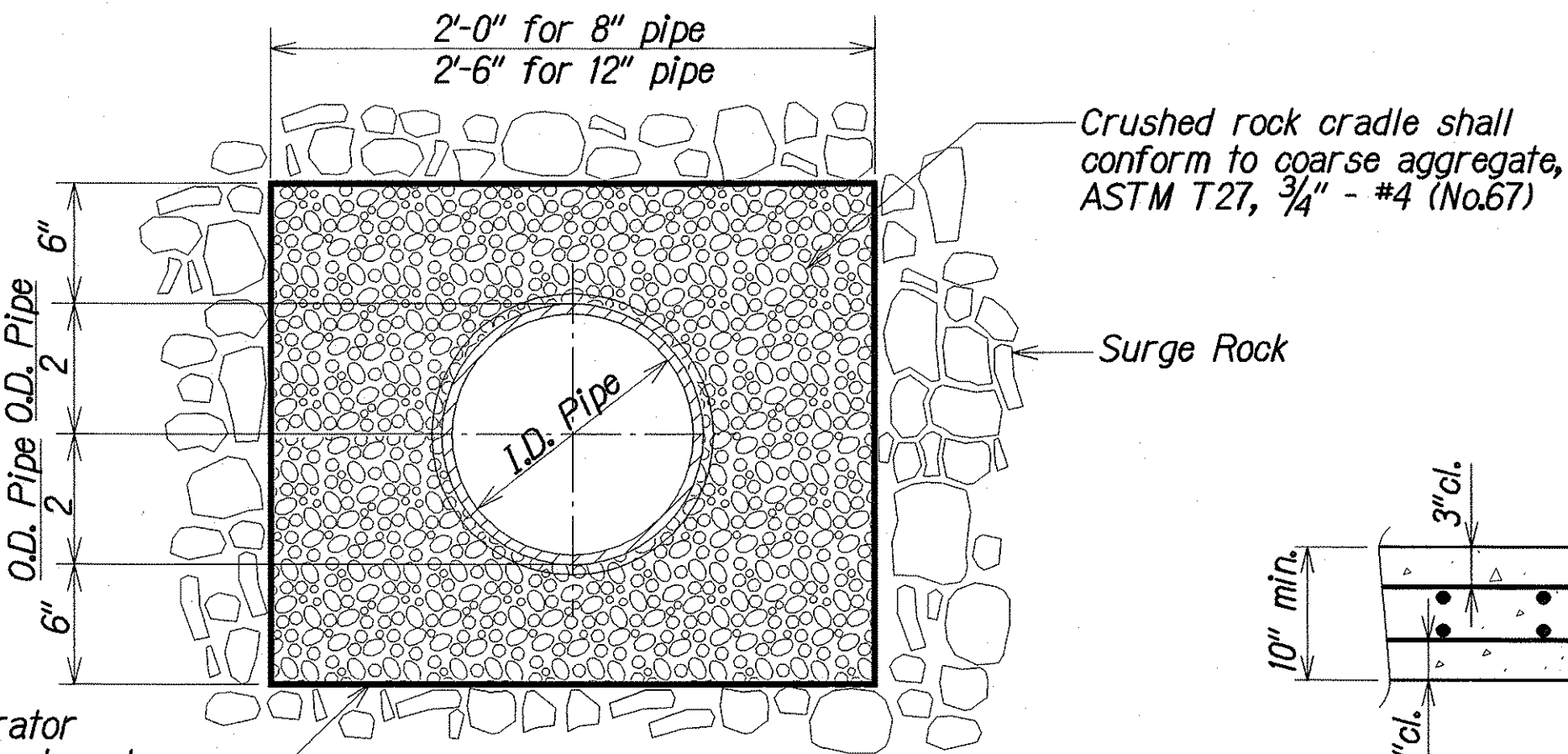
Scale: 1/2" = 1'-0"



SIDEWALK CONSTRUCTION JOINT

Scale: 1" = 1'-0"

NOTE:
Installation of rebar dowels, including drilling, and epoxy shall be incidental to conc. sidewalk.

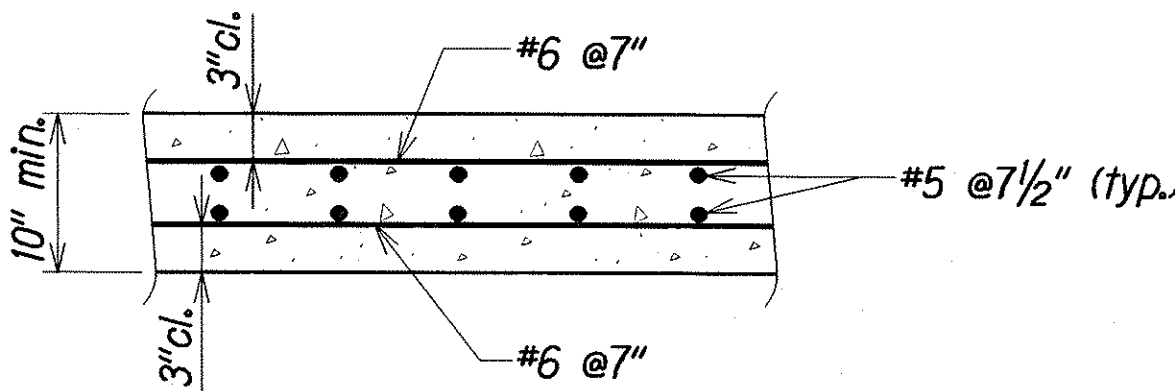


ROCK CRADLE FOR DRAIN PIPES

Scale: 1 1/2" = 1'-0"

CONC. SIDEWALK DETAIL

Scale: 1" = 1'-0"



ESTIMATED QUANTITIES

ITEM NO.	ITEM	UNIT	QUANTITY
203.0150	Excavation	cy	250
304.0100	Aggregate Base Course	cy	18
503.6000	Seal Concrete	cy	41
508.0100	Cement Rubble Masonry	cy	26
602.1005	Reinforcing Steel in Sidewalk	lb	8,910
608.1150	Concrete Sidewalk	sy	118
648.0100	Permeable Separator	sy	343
649.1000	Geotextile Reinforcing	sy	785
670.0100	Surge Rock	tons	297

LEGEND FOR AS-BUILT POSTINGS

- Squiggly line for as-built deletion
- Double line for as-built deletion
- Roadway Text for as-built posting



Change the middle layer of the surge rock to CLSM and move the Estimated Quantities to clarify drawing.

4/15/02

DATE

REVISIONS