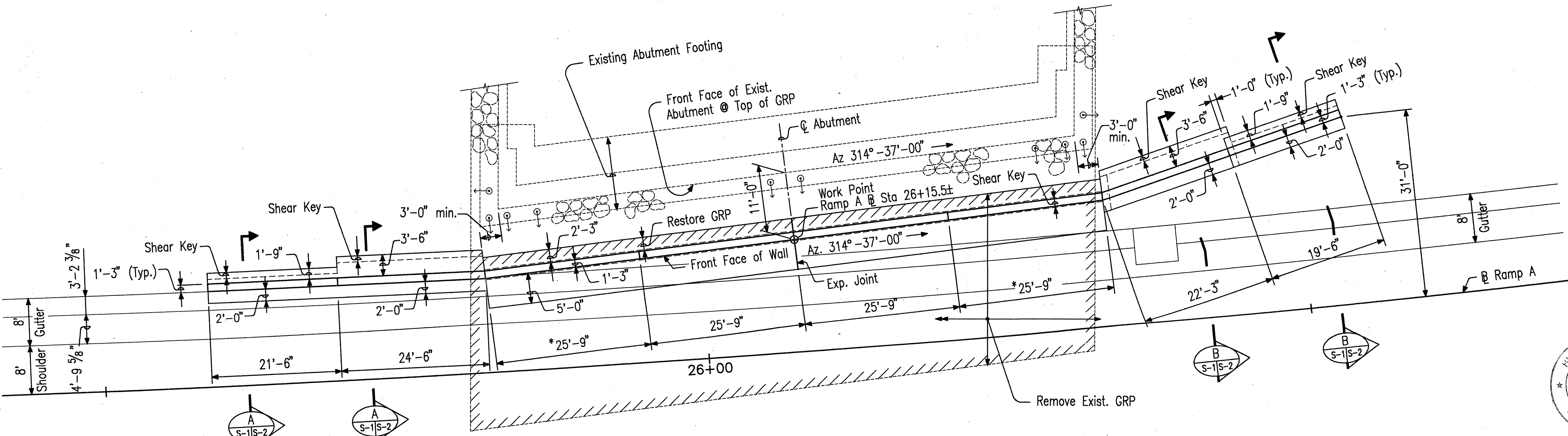
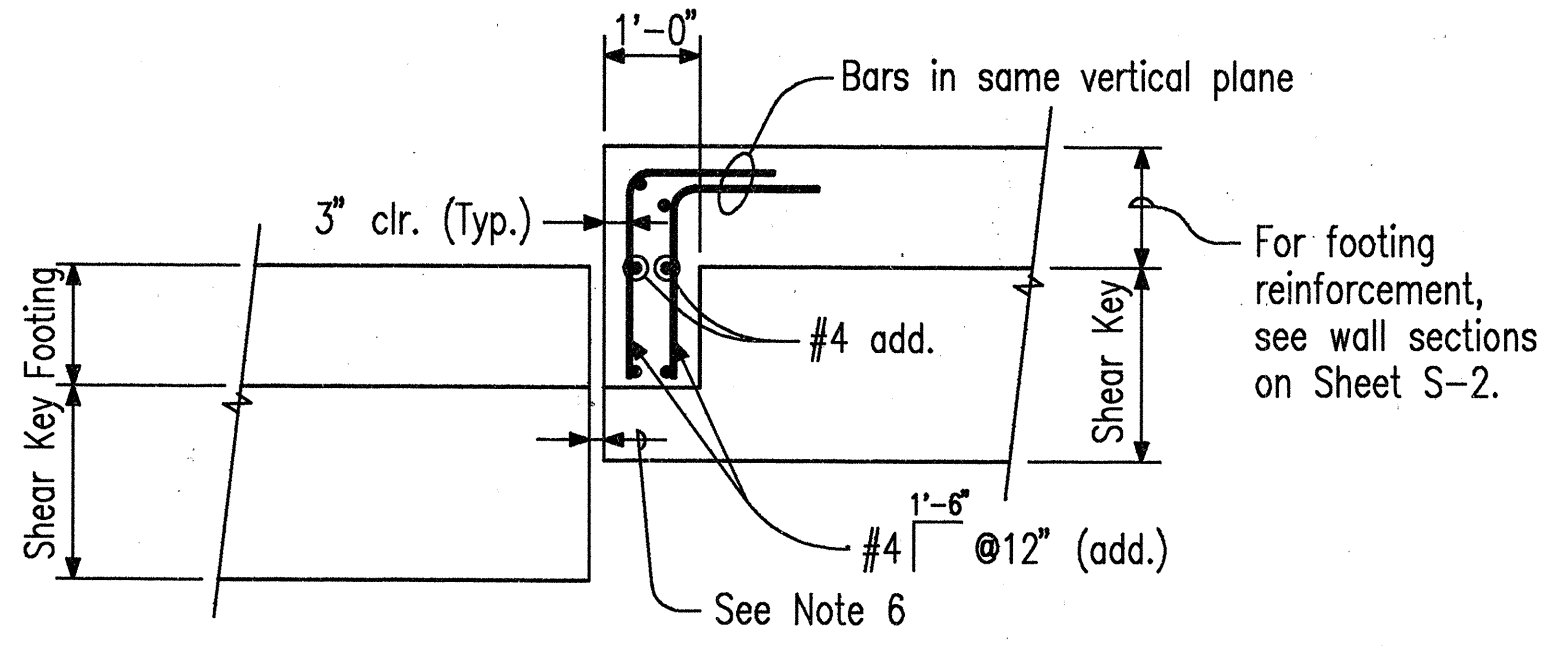
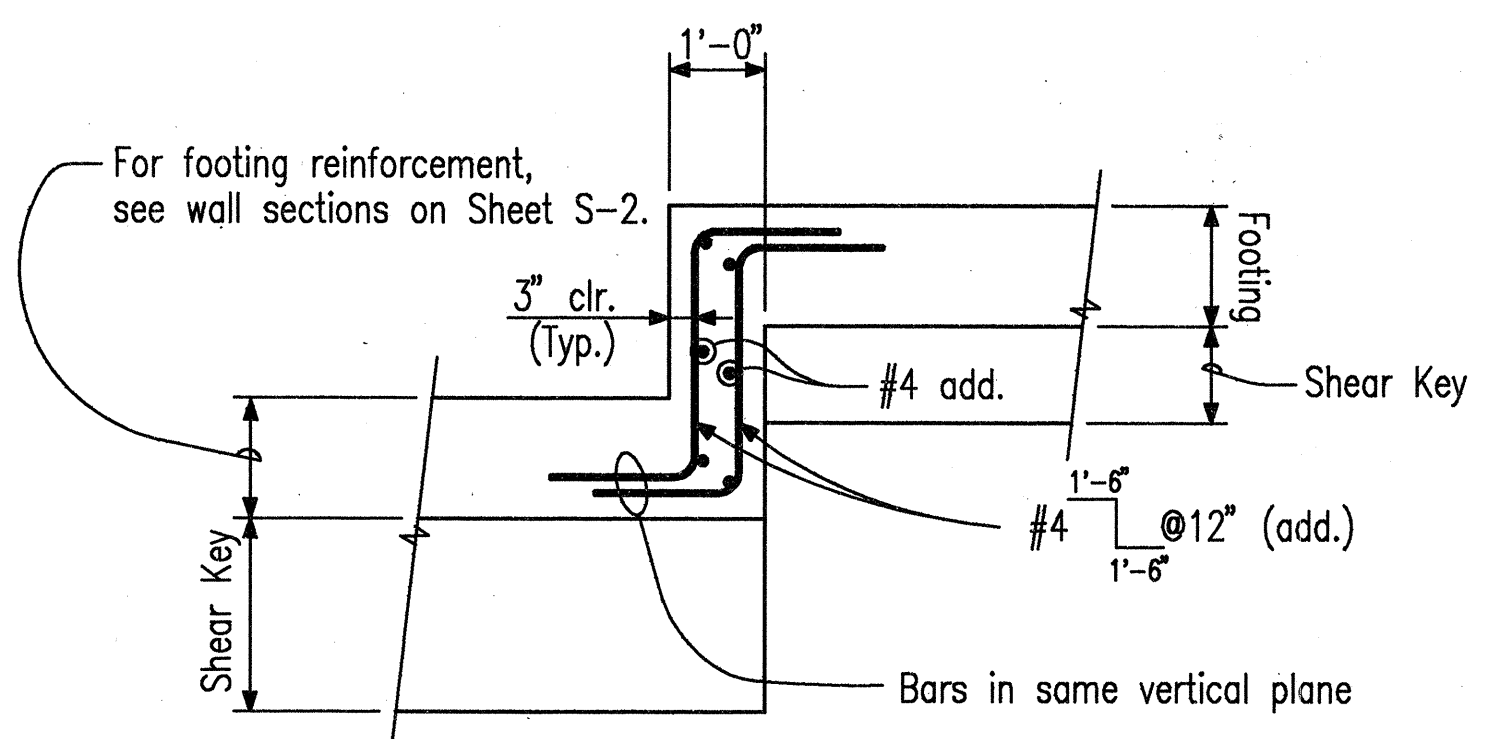
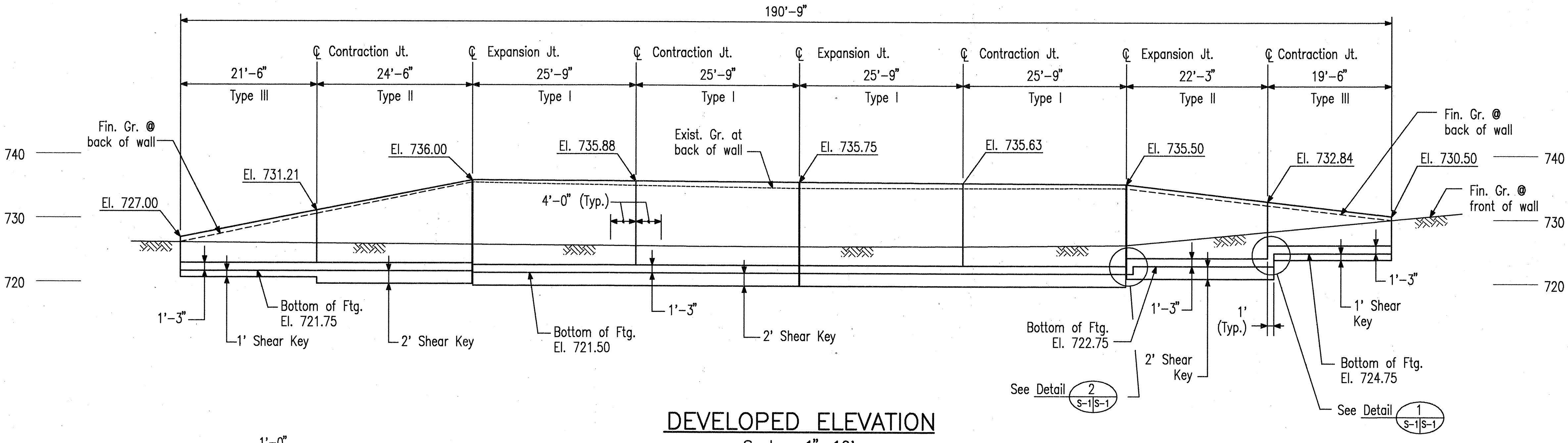


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FMT-H2-C-02-94		ADD.56	84

ESTIMATED QUANTITIES		
ITEM	UNIT	QUANTITIES
Retaining Wall		
Structure Excavation	(C.Y.)	425
Structure Backfill	(C.Y.)	68
Filter Material	(C.Y.)	188
Concrete in Retaining Wall (Except Footing)	(C.Y.)	98
Concrete in Footing	(C.Y.)	76
Reinforcing Steel	(LBS.)	24,000
Grouted Rubble Paving	(C.Y.)	6

- NOTES:
- Type I Wall shall be constructed parallel to existing abutment. The azimuth shown shall be verified in field.
 - All footings shall be excavated and poured neat against the undisturbed ground. In case of over excavation, space between footing and ground shall be filled with Class D concrete at the Contractor's expense and as directed by the Engineer.
 - All concrete shall be Class A.
 - All rebars shall be ASTM 615 Grade 40.
 - The allowable soil bearing pressure is 3000 psf.
 - For details of contraction joint and expansion joint, see Standard Plan B-01.
 - The Contractor shall be solely responsible for the protection of the existing structure and its foundations from damage due to construction and shall repair any damage at his own expense, to the satisfaction of the Engineer. He shall conduct his work in such a manner, providing temporary shoring or other measures as may be necessary, as to ensure the safety of all concerned.



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.
Hui Pang Chen
REGISTERED PROFESSIONAL ENGINEER
No. 3865-S
HAWAII, U.S.A.

DATE	REVISION
4/13/92	Added Note 7. Revised wall section reference in Details 1 & 2 to sheet S-2.
3/23/92	Revised quantities for Structure Backfill and Filter Material.
CASTLE & COOKE RESIDENTIAL, Inc. RETAINING WALL PLAN AND ELEVATION MILILANI INTERCHANGE NORTHBOUND ON- AND OFF-RAMPS SCALE: AS SHOWN DATE: March 1992 SHEET No.S-1 OF 2 SHEETS	

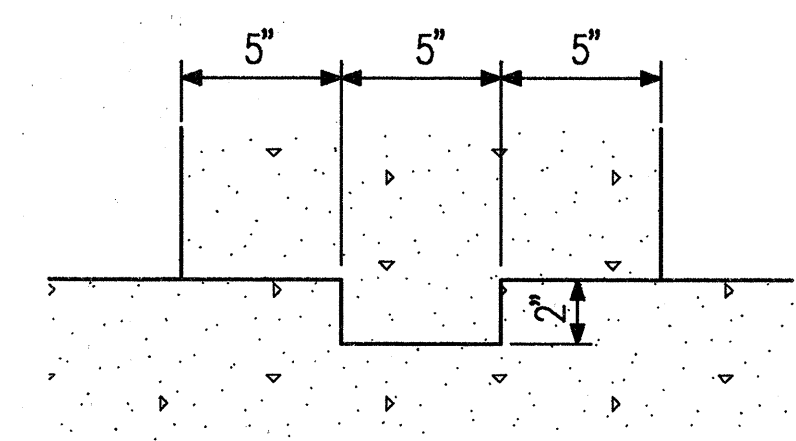
3/4" Chamfer

1"

3"

DRIP DETAIL

N.T.S.



Existing & Fin. Gr.

See Drip Detail, this sheet

Foundation of Exist. Abutment See Notes 1 & 2.

4"Ø Drainhole 10'-0" o.c. max. with 1/4" /Ft slope (Typ.)

See Construction Joint detail, this sheet

Flashing Compound (typ.)

Finish Gr.

Note 1.
Foundation of existing abutment shall not be damaged or disturbed. In the event any pile conflicts with the wall section, the wall foundation shall be revised so as not to alter, disturb or displace the existing pile.

Note 2.
Pile location may not be as shown. Contractor shall exercise caution when excavating near pile

[illegible]

Fin. Gr.

For wall details and reinforcing, see Types II & III Wall Section

Concrete Gutter

Varies

4'-9 5/8"

3'-2 3/8" max.

Fin. Gr.

For wall details and reinforcing, see Types II & III Wall Section

Varies

Slope

Concrete Gutter

3'-2 3/8"

4'-9 5/8"

Technical drawing showing a cross-section of a gutter installation. A vertical wall is shown on the left, with a sloped roof above it. The roof is labeled "Fin. Gr." (Finish Grade). The wall is labeled "For wall details and reinforcing, see Types II & III Wall Section". The gutter is shown below the wall, with a sloped bottom. The gutter is labeled "Concrete Gutter". The gutter has two sections: a left section labeled "Varies" and a right section labeled "Slope". The right section is divided into two parts: "3'-2 3/8\"" and "4'-9 5/8\"".



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Huipang Chen

CASTLE & COOKE RESIDENTIAL, Inc.

MILILANI INTERCHANGE
NORTHBOUND ON- AND OFF-RAMPS

SCALE: AS SHOWN DATE: March 1992

SHEET No.S-2 OF 2 SHEETS