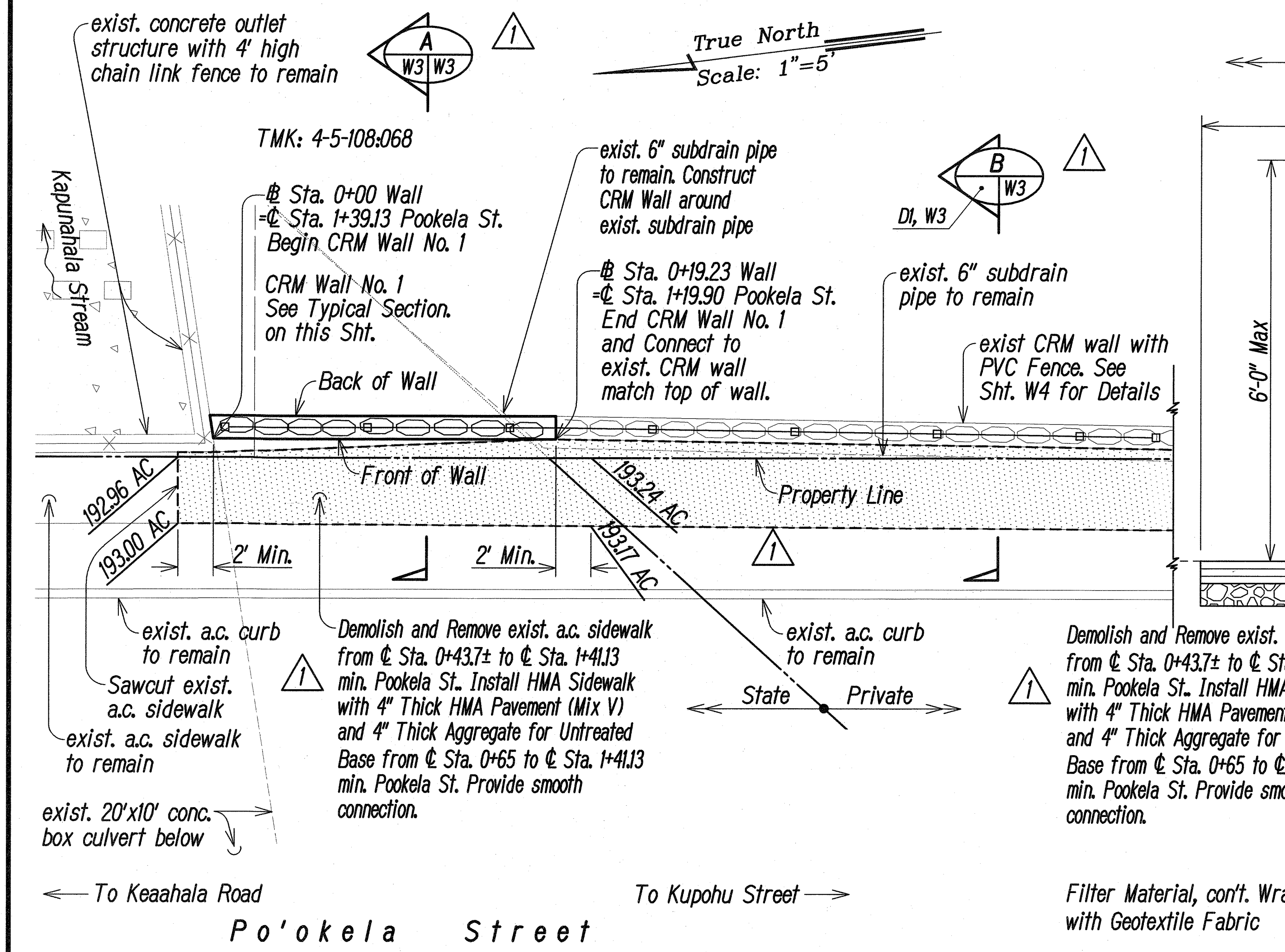
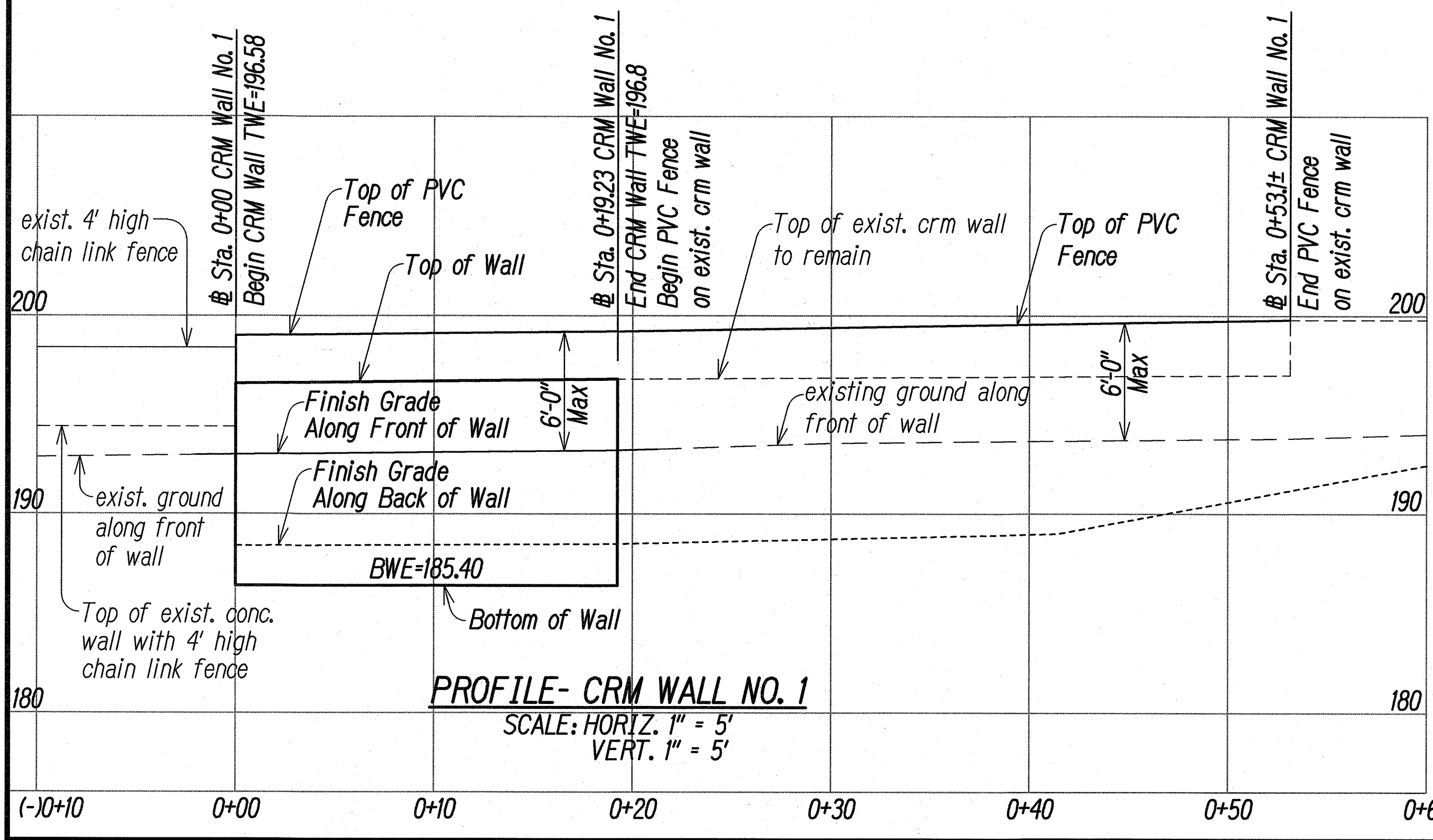


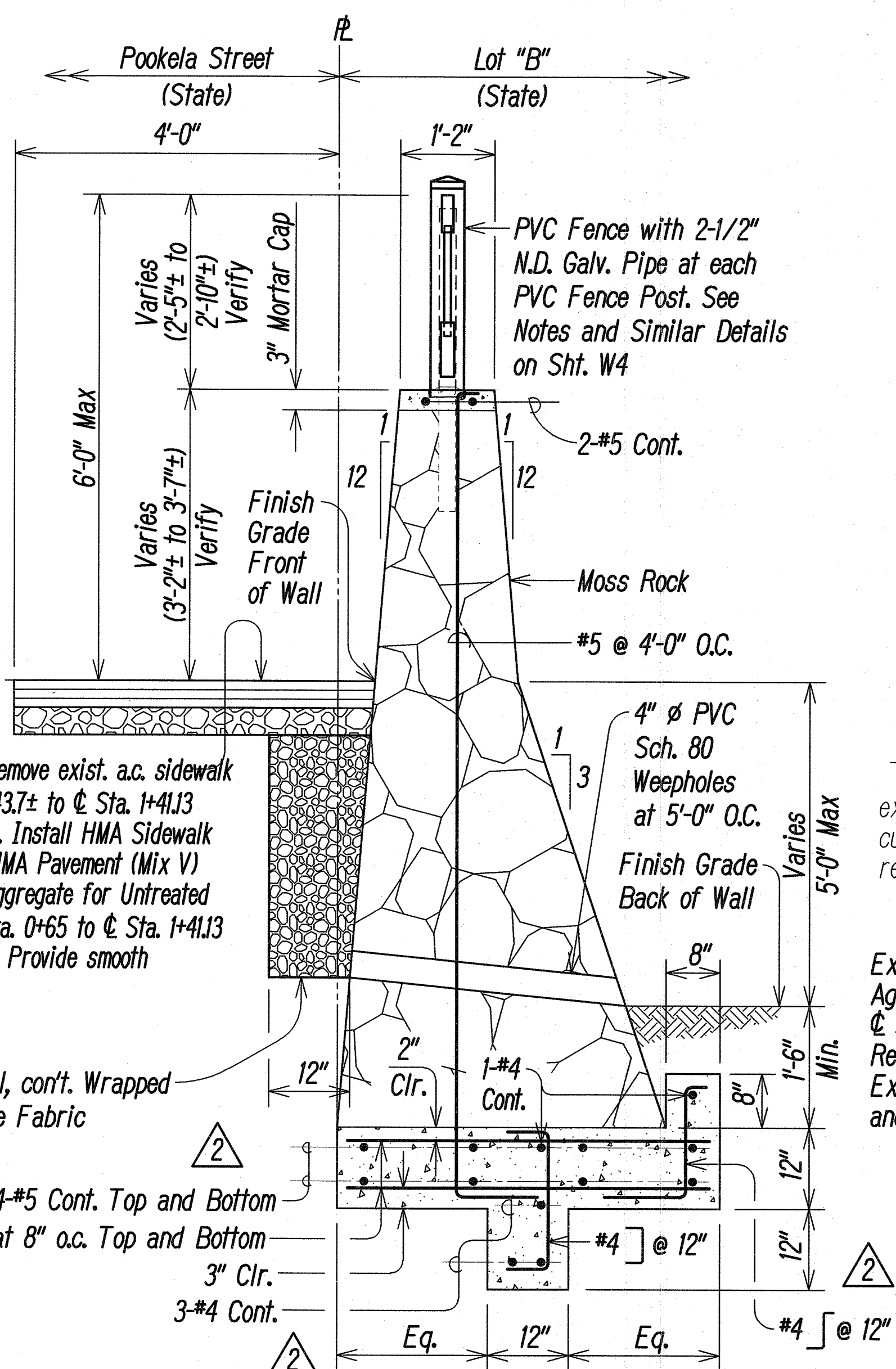
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0300(122)	2010	ADD. 19	32



PLAN - CRM WALL NO. 1
SCALE: 1" = 5'



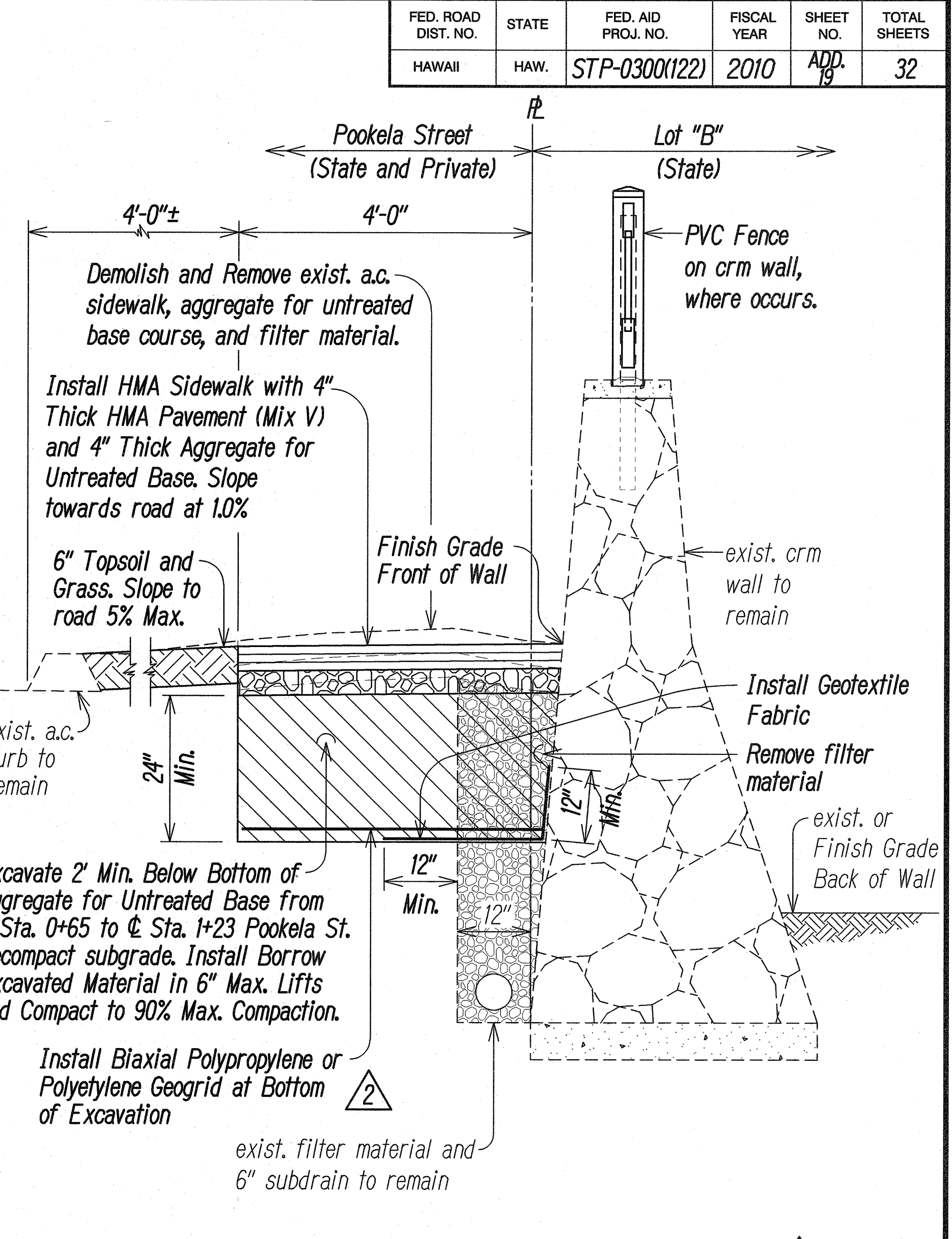
PROFILE - CRM WALL NO. 1
SCALE: HORIZ. 1" = 5'
VERT. 1" = 5'



TYPICAL SECTION - CRM WALL NO. 1
SCALE: 3/4" = 1'-0"

CRM WALL NOTES:

1. Excavation and backfill for CRM Wall No. 1 shall be in accordance with Section 206 - Excavation and Backfill for Drainage Facilities and paid for under Item 206.0100 Excavation for CRM Wall No. 1.
2. In addition to the requirements of Section 508 - Cement Rubble Masonry, all face stones shall be moss rock to match the existing rock sizes, texture and color.
3. The moss rock face stones, concrete wall footing, reinforcing steel, filter material, geotextile fabric, 4" PVC Schedule 80 Weepholes and 3-inch thick mortar cap shall be considered incidental to Item 508.0100 Cement Rubble Masonry.

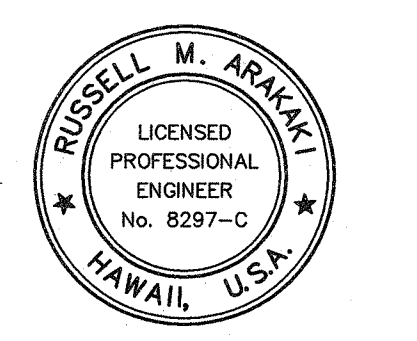


TYPICAL SECTION - HMA SIDEWALK
SCALE: 3/4" = 1'-0"

HMA SIDEWALK NOTES:

1. The 2' Min. Excavation under the HMA Sidewalk will not be paid for under Section 203 - Excavation and Embankment or Section 220 - Site Excavation and Embankment but will be considered incidental to Item No. 635.0100 - HMA Sidewalk.
2. Borrow Excavated Material shall be coarse-grained soil with clay binders or fine-grained soils with CBR expansion value less than 1%. The CBR value shall be 8 or greater. Borrow Excavated Material shall be free of roots, and other organic matter, garbage, trash, junk and other deleterious material.
3. The Borrow Excavated Material, Geotextile Fabric, Geogrid, 6-inches thick Topsoil and Grass will not be paid for separately and shall be considered incidental to Item No. 635.0100 - HMA Sidewalk.

DATE	REVISION
2/15/11	Added Wall Footing and Geogrid. Revised Notes
2/7/11	Revised Limits of HMA Sidewalk.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Russell M. Arakawa
Professional Engineer
No. 8297-C
APR 30, 2012
Lic. Exp. Date

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PLAN AND PROFILE
CRM WALL NO. 1
CASTLE HILLS ACCESS ROAD
Drainage Improvements, Phase 1
FEDERAL-AID PROJECT NO. STP-0300(122)
Scale: As Shown Date: December 2010
SHEET No. W3 OF W4 SHEETS

DATE	BY
2/15/11	ADD. 19

ORIGINAL PLAN
DRAWN BY
DESIGNED BY
NOTED BY
CHECKED BY

Tue, 15 Feb 2011 2:10pm
D:\PROJECTS\STATE DOT\CASHILLS\DESIGN\PHASE 1\ADD03\19-Cashills-ph1-WALL PP.dwg