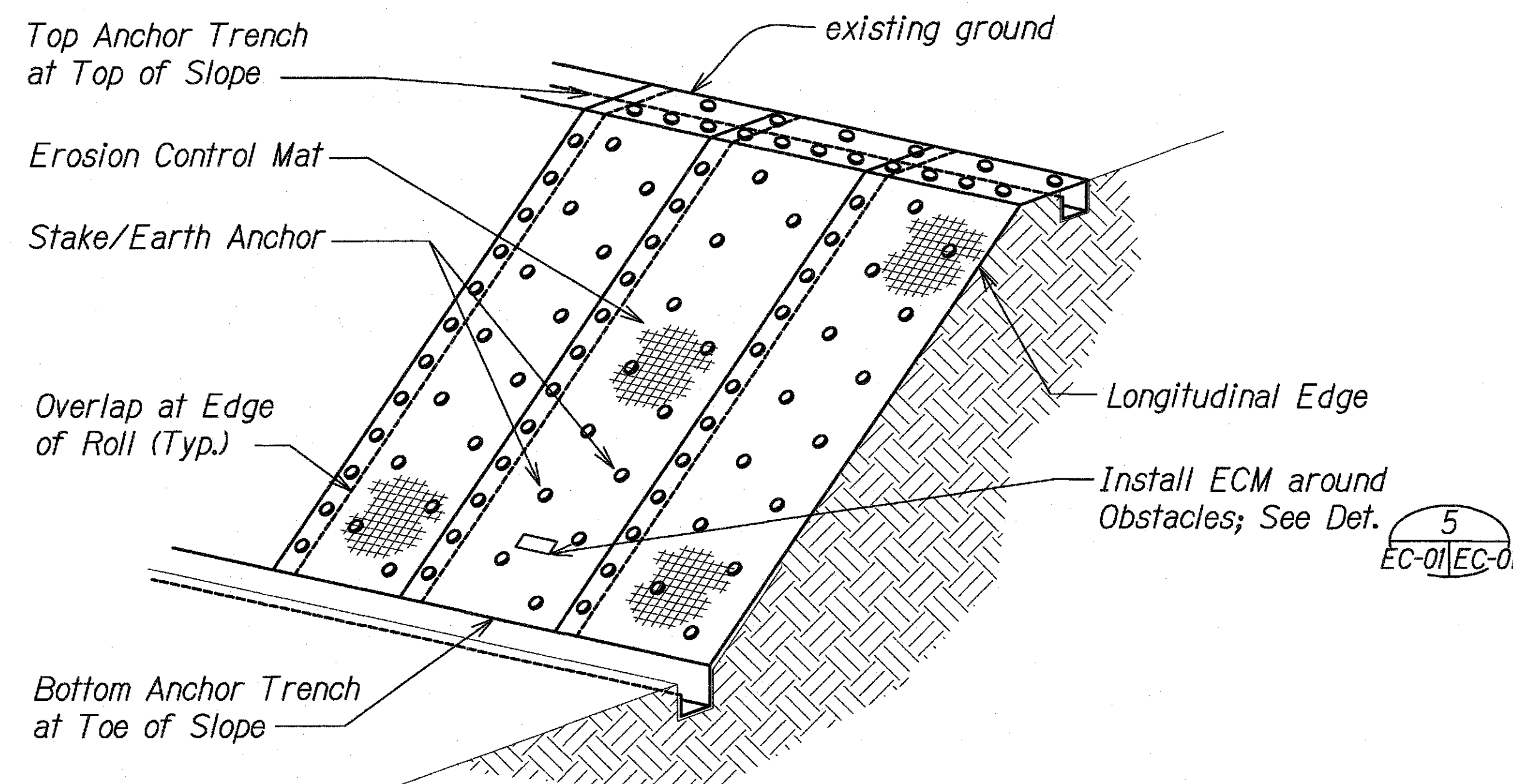
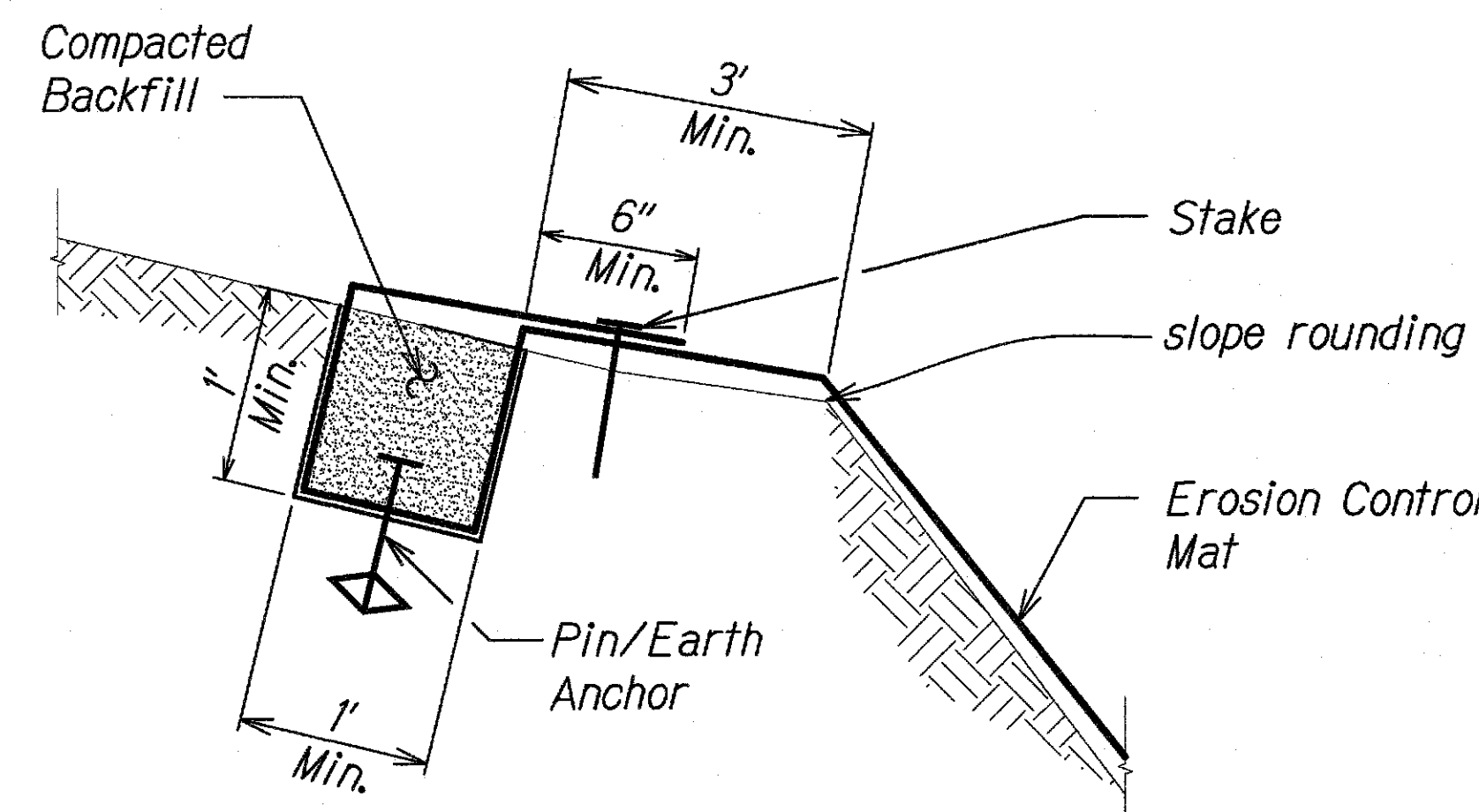


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-04-15M	2015	14	46



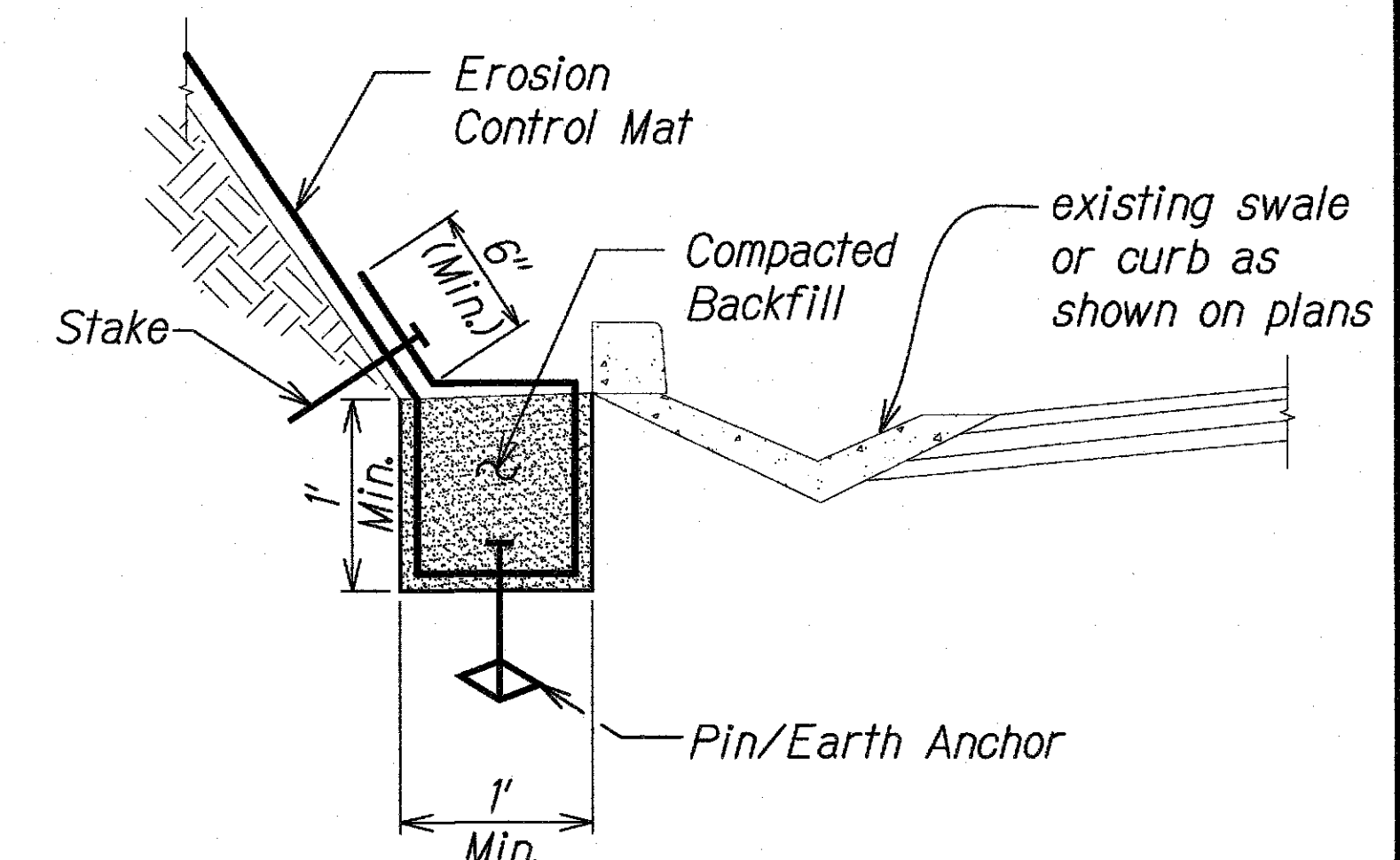
**OVERVIEW OF EROSION CONTROL MATTING SYSTEM**  
Scale: Not to Scale

1  
EC-01/EC-01



**TOP OF SLOPE ANCHOR TRENCH DETAIL**  
Scale: Not to Scale

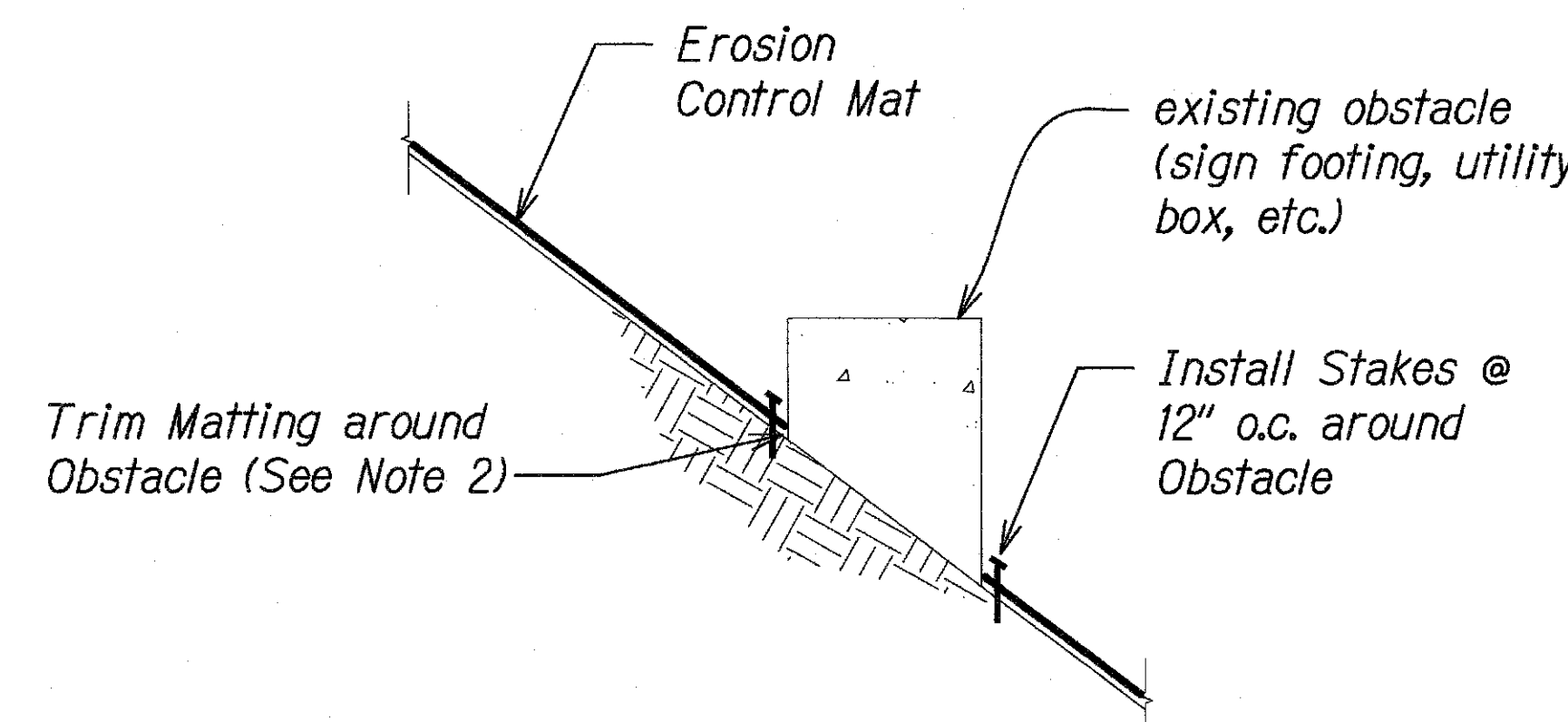
2  
EC-01/EC-01



**BOTTOM OF SLOPE ANCHOR TRENCH DETAIL**  
Scale: Not to Scale

3  
EC-01/EC-01

**EARTH ANCHORS - 3'-0" & 6'-0" INSTALLED AT PID 907 ONLY. EARTH ANCHORS WERE DELETED AT PID'S 445, 241, 57 & 110.**



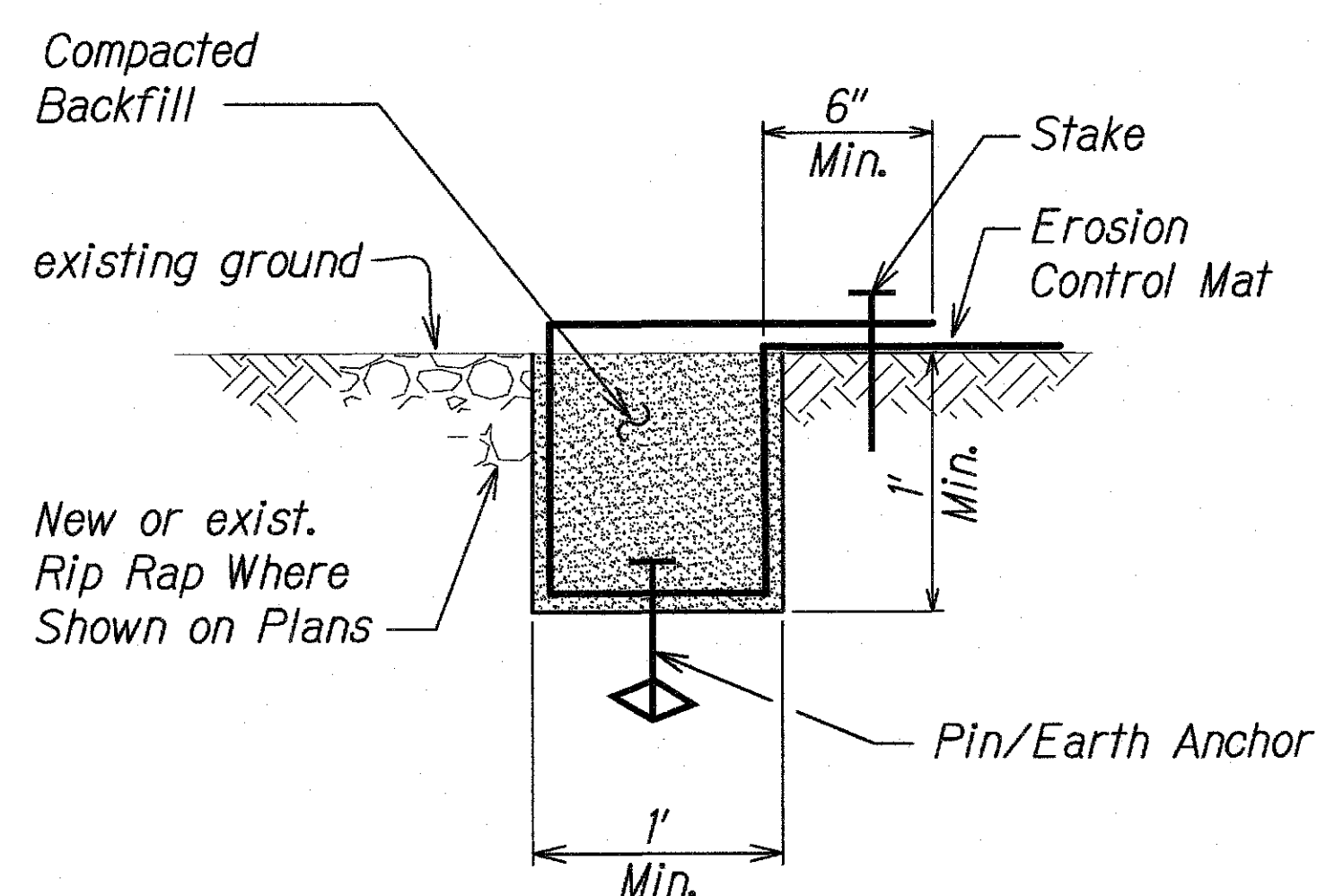
**Notes:**

1. Matting shall be placed and secured in direct contact with the finish grade.
2. Maximum gap between edge of trimmed matting and obstacle shall be 1 inch.
3. Contractor shall locate and expose exist. utility boxes prior to installing matting.
4. For installation of matting around existing trees, see Landscape drawings.

**TYPICAL SECTION AROUND EXISTING OBSTACLES**  
Scale: Not to Scale

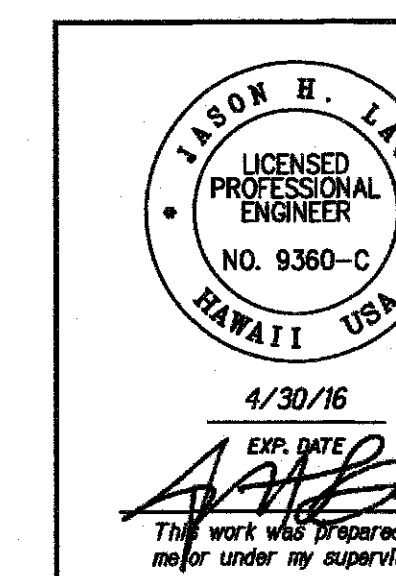
5  
EC-01/EC-01

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting



**LONGITUDINAL EDGE TRENCH DETAIL**  
Scale: Not to Scale

4  
EC-01/EC-01



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TYPICAL DETAILS**  
**EROSION CONTROL MATTING**

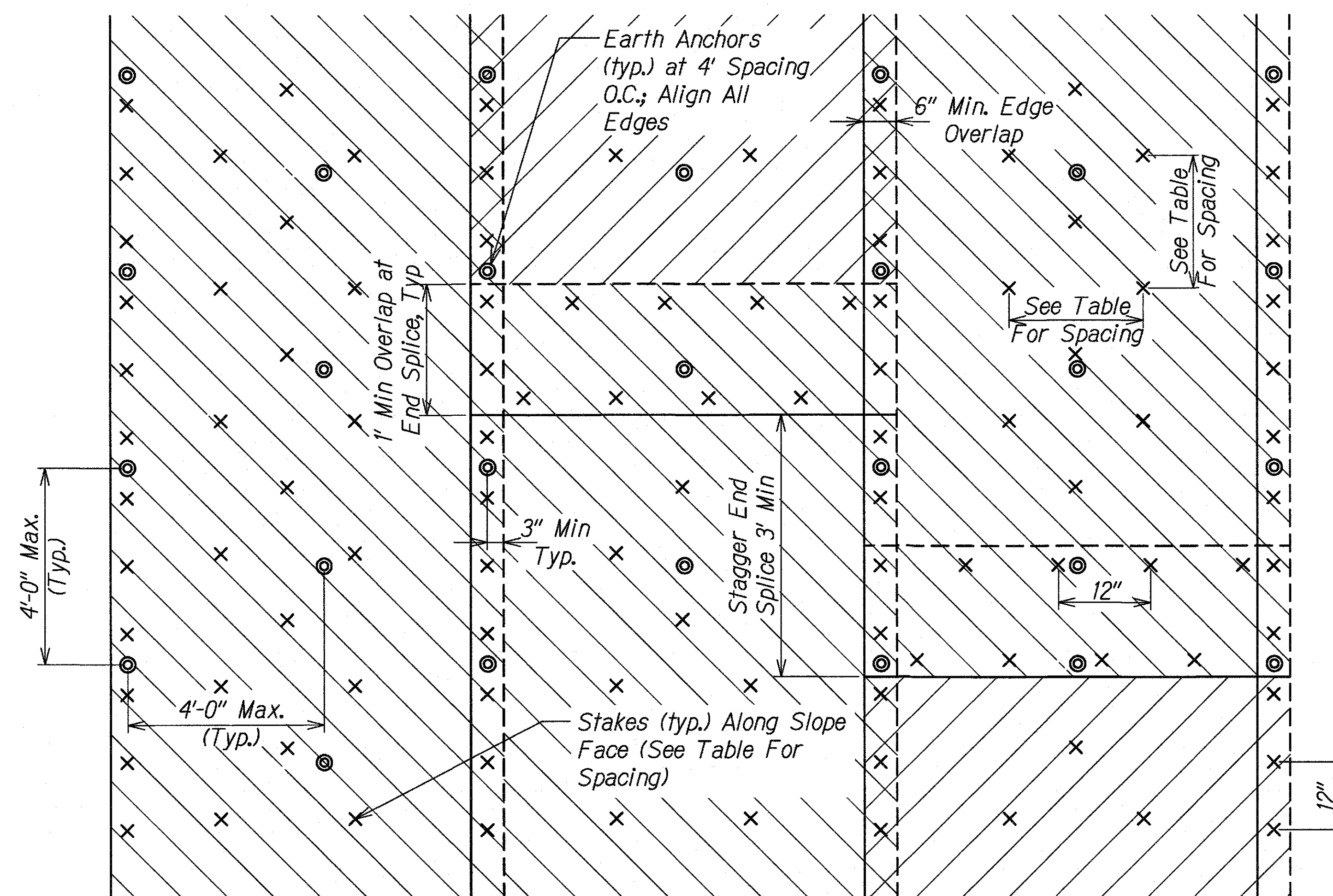
CENTRAL OAHU BEST MANAGEMENT PRACTICES  
ERODED SLOPE REPAIRS, PHASE 1  
Project No. HWY-O-04-15M  
Scale: Not to Scale Date: May 2015

SHEET No. EC-01 OF 11 SHEETS

"AS-BUILT"

14

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-04-15M	2015	15	46

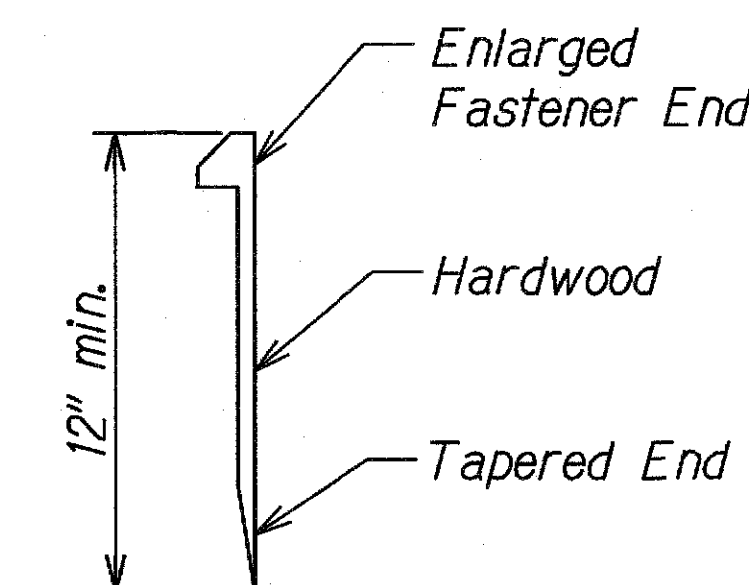


**TYPICAL EROSION CONTROL MAT AND EARTH ANCHOR/STAKE LAYOUT**  
Scale: Not to Scale 1  
EC-02/EC-02

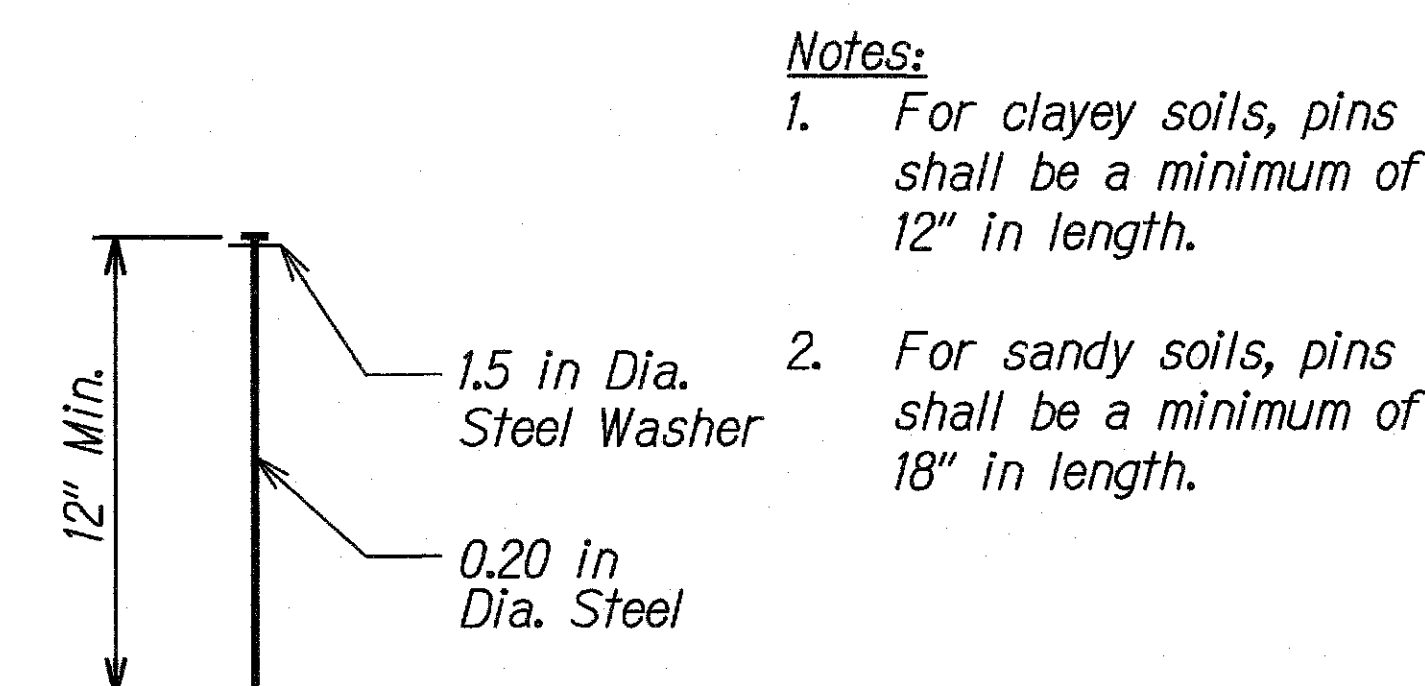
Max. Stake/Earth Anchor/Pin Spacing (See Note 1)

Fastener Type	Along Slope Face	Top, Bottom & Edge Trenches
Stakes	1.5'	—
Earth Anchor	4'	4'
Pins	—	1'

- Notes:**
- Secure all erosion control mat edges with stakes, earth anchors and pins at the spacing indicated or the manufacturer's recommended spacing, whichever is more stringent.
  - For slopes 3H:1V or flatter, no ECM required.
  - Earth anchors in trenches shall extend a minimum depth of 3' from the slope face.
  - ~~The upper 4 rows of earth anchors shall extend a minimum depth of 10' from the slope face.~~
  - The remaining earth anchors shall be installed per row to alternating depths of 4' and 6' respectively.
  - Install earth anchor at PID 907 only



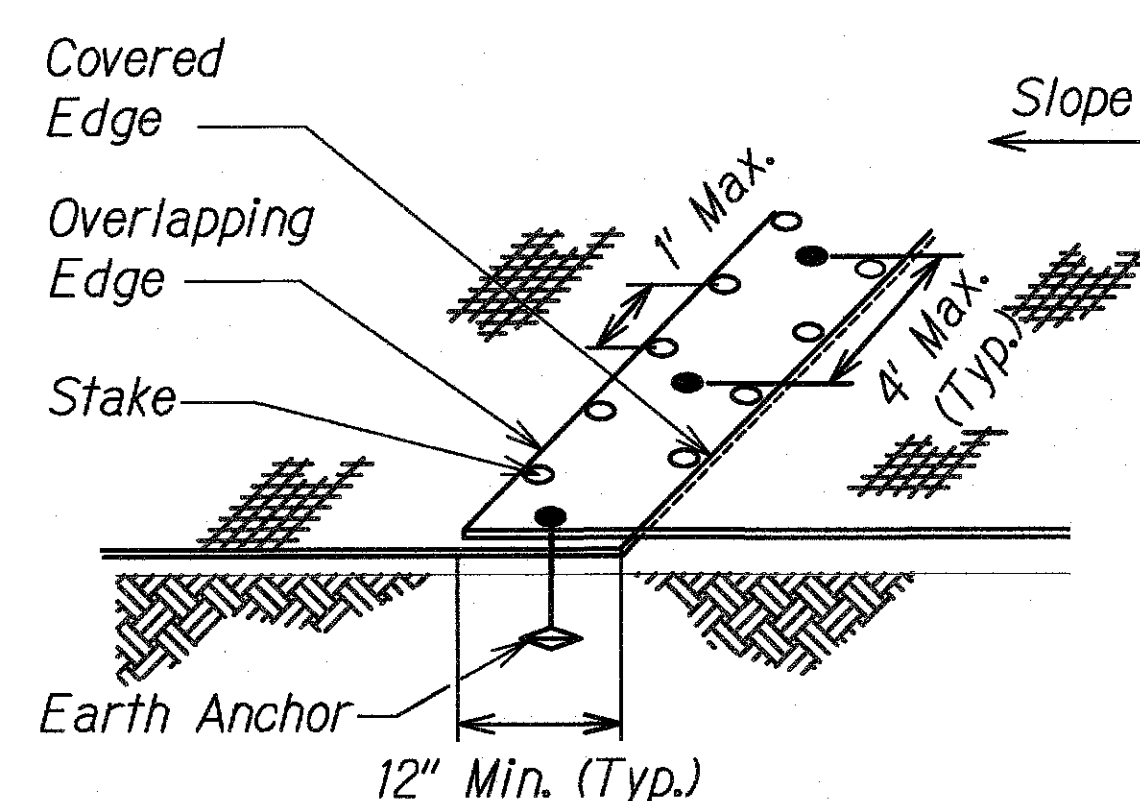
**STAKE DETAIL**  
Scale: Not to Scale 2  
EC-02/EC-02



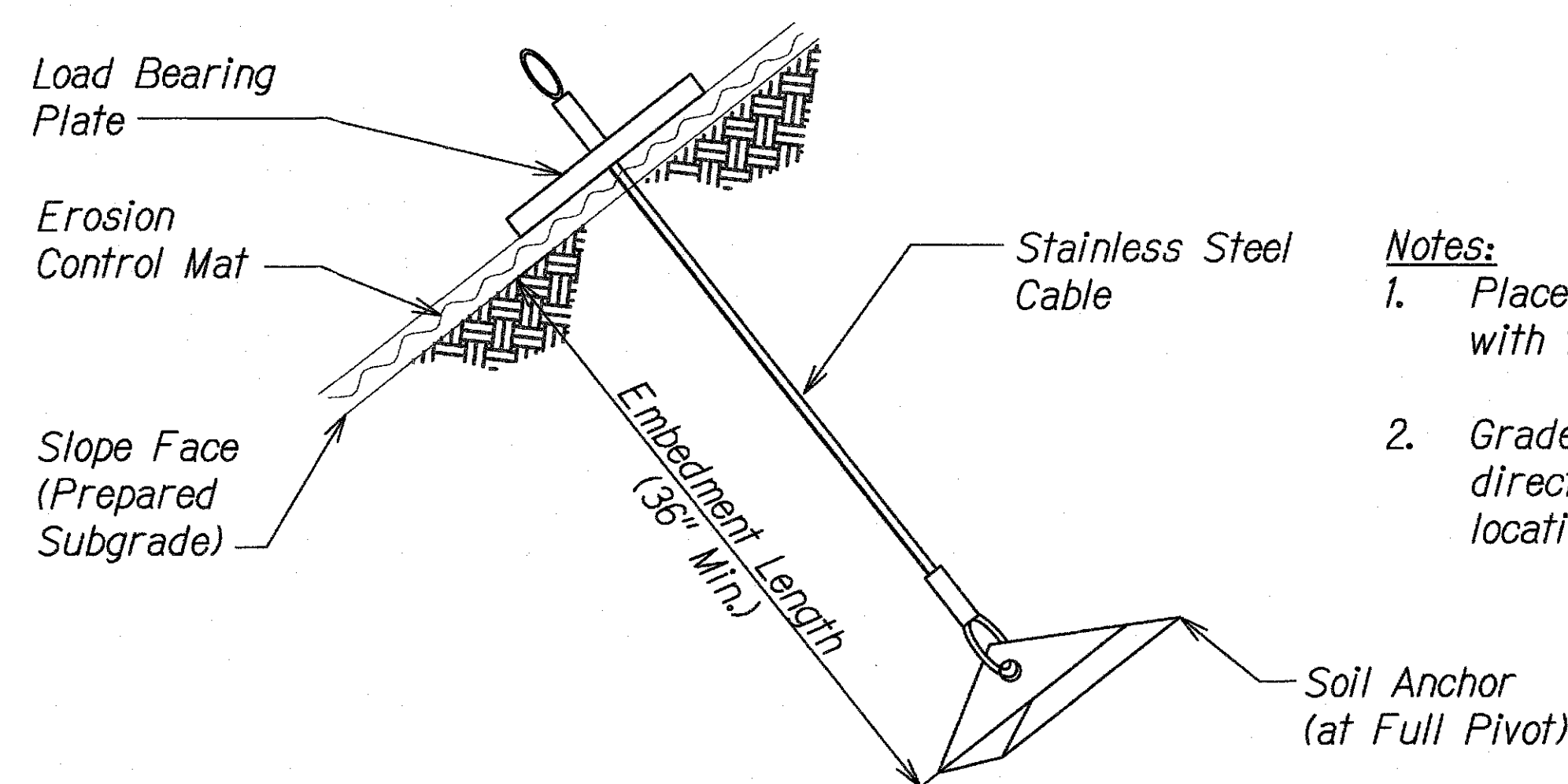
**PIN DETAIL**  
Scale: Not to Scale 3  
EC-02/EC-02

**LEGEND FOR AS-BUILT POSTINGS**

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



**OVERLAP END DETAIL**  
Scale: Not to Scale 4  
EC-02/EC-02



**EARTH ANCHOR DETAIL**  
Scale: Not to Scale 5  
EC-02/EC-02

- Notes:**
- Place erosion control mat in direct contact with finish grade.
  - Grade and shave existing ground to allow direct contact of erosion control mat at all locations.

4/30/16

*Jason H. Liu*

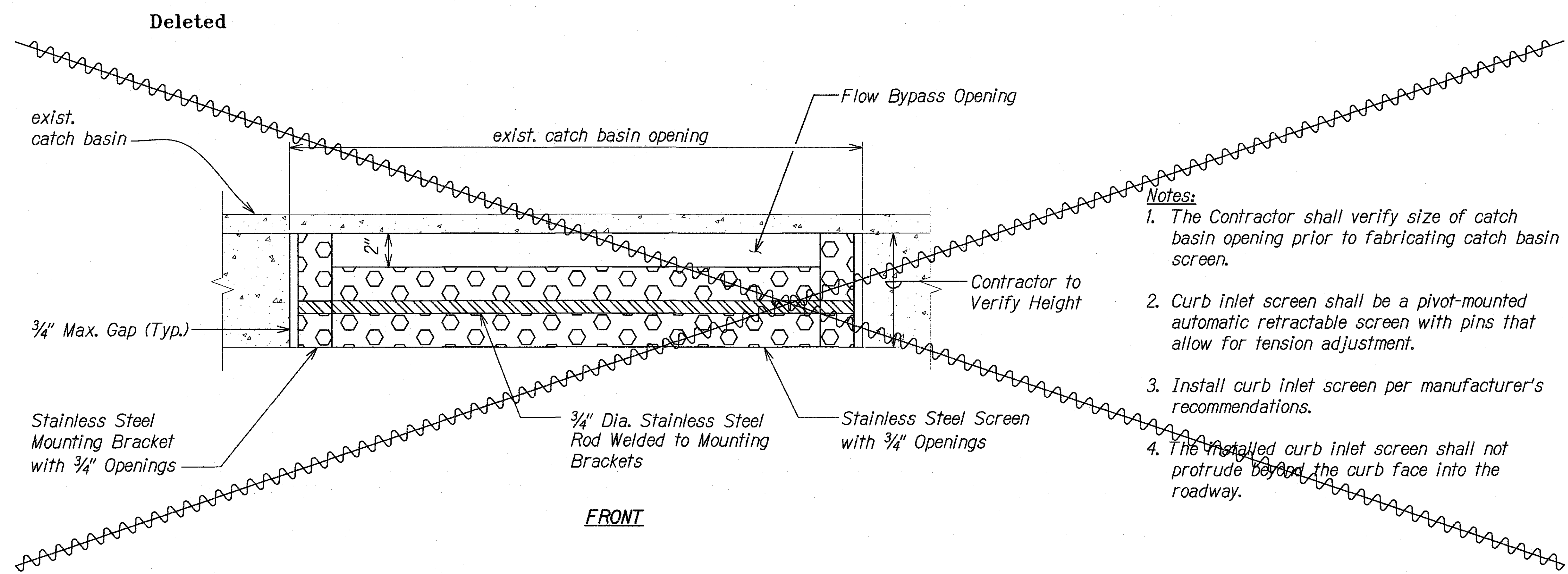
This work was prepared by me or under my supervision.

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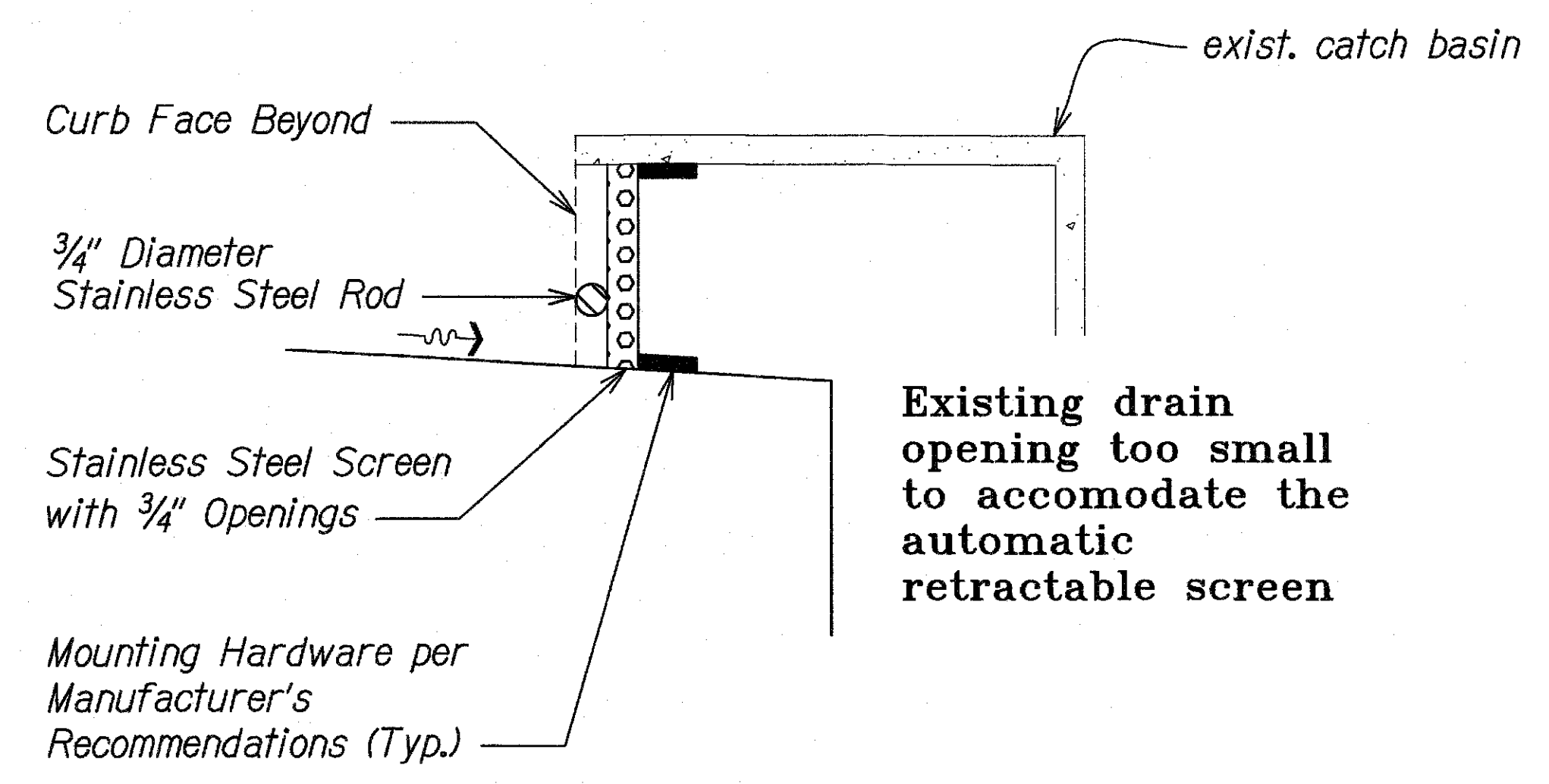
**TYPICAL DETAILS**  
**EROSION CONTROL MATTING**

CENTRAL OAHU BEST MANAGEMENT PRACTICES  
ERODED SLOPE REPAIRS, PHASE 1  
Project No. HWY-O-04-15M  
Scale: Not to Scale Date: May 2015

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-04-15M	2015	16	46



- Notes:
1. The Contractor shall verify size of catch basin opening prior to fabricating catch basin screen.
  2. Curb inlet screen shall be a pivot-mounted automatic retractable screen with pins that allow for tension adjustment.
  3. Install curb inlet screen per manufacturer's recommendations.
  4. The installed curb inlet screen shall not protrude beyond the curb face into the roadway.



LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

**CURB INLET AUTOMATIC RETRACTABLE SCREEN DETAIL (PID 907)**  
Scale: Not to Scale

1  
EC-11/EC-03

4/30/16  
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DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TYPICAL DETAILS**  
**CURB INLET SCREEN**

CENTRAL OAHU BEST MANAGEMENT PRACTICES  
ERODED SLOPE REPAIRS, PHASE 1  
Project No. HWY-O-04-15M  
Scale: Not to Scale Date: May 2015

ORIGINAL PLAN	DATE
NOTED BY	DATE
DESIGNED BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE

16 EC-03 CONC CURB AND CATCH BASIN/DRAIN 3/21/2015 10:59:59 AM