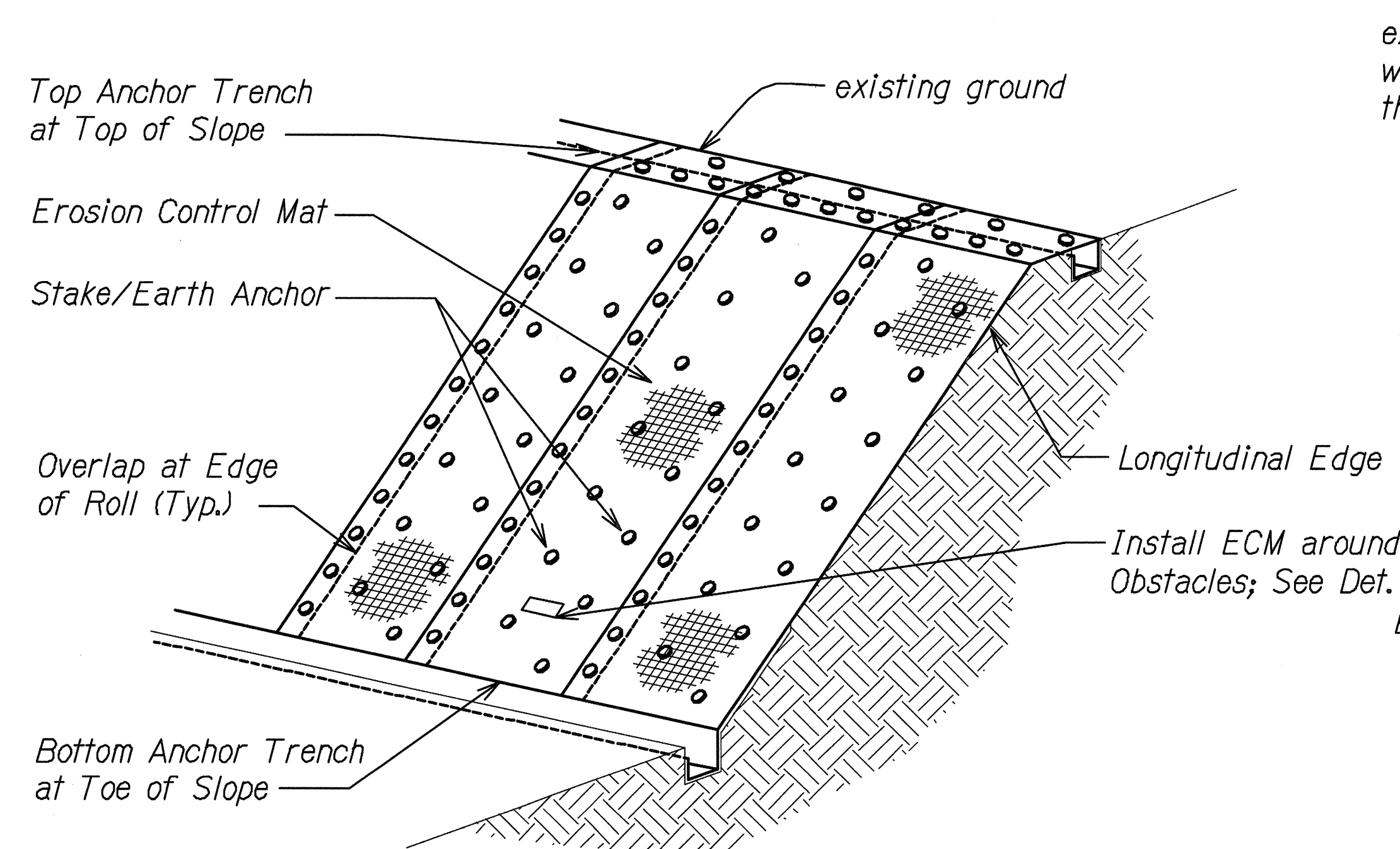
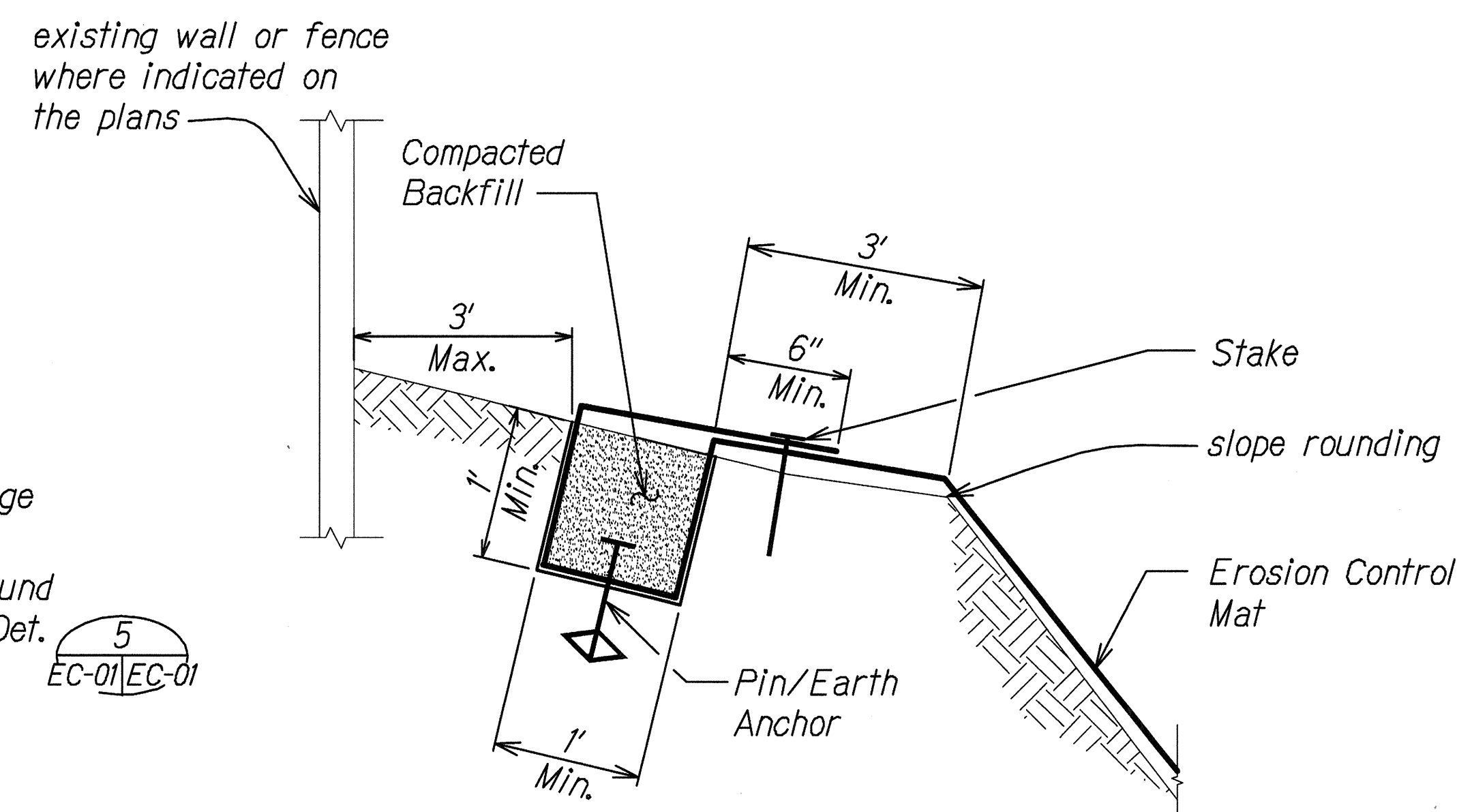


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-06-15M	2015	16	71



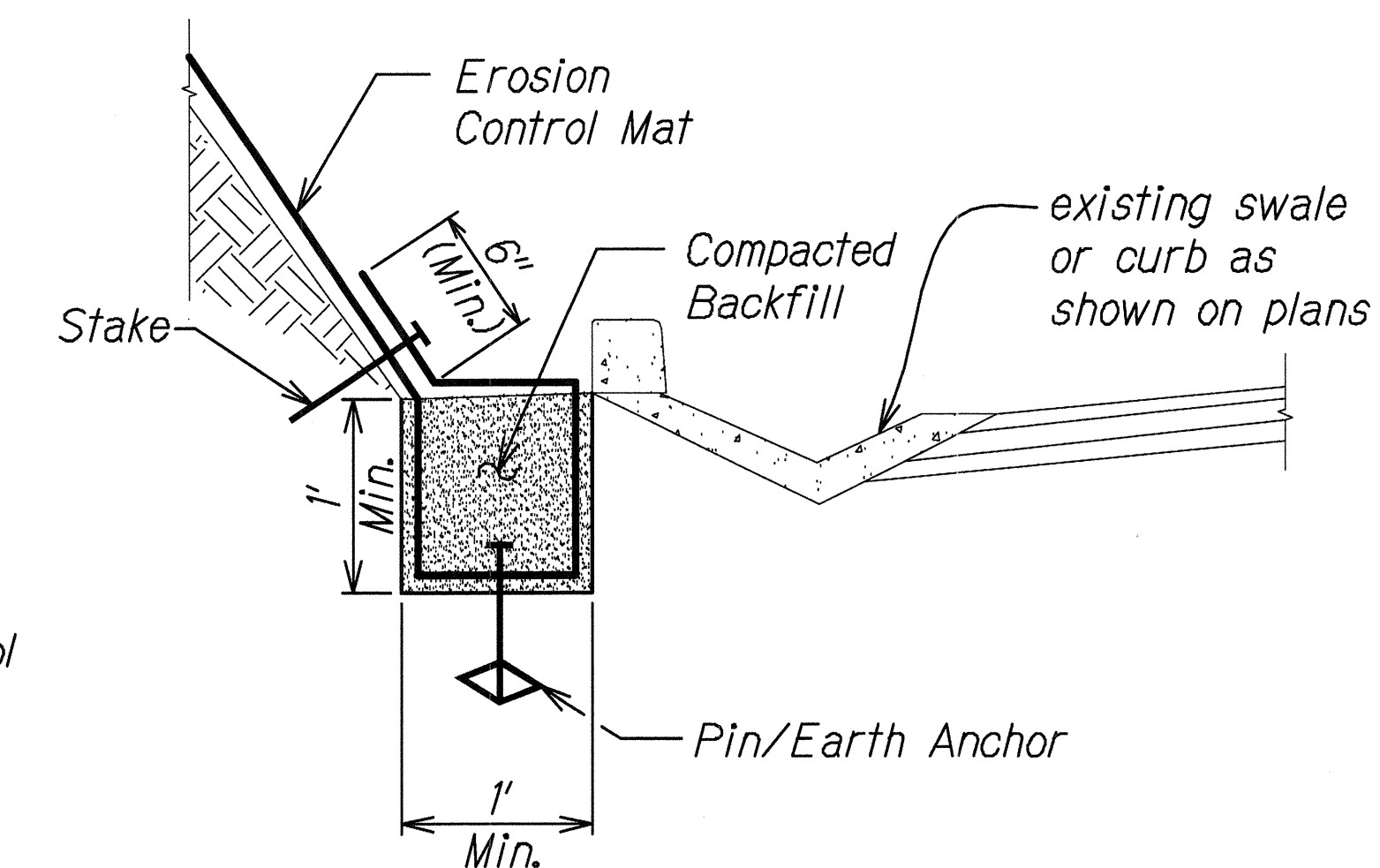
OVERVIEW OF EROSION CONTROL MATTING SYSTEM
Scale: Not to Scale

1
EC-01/EC-01



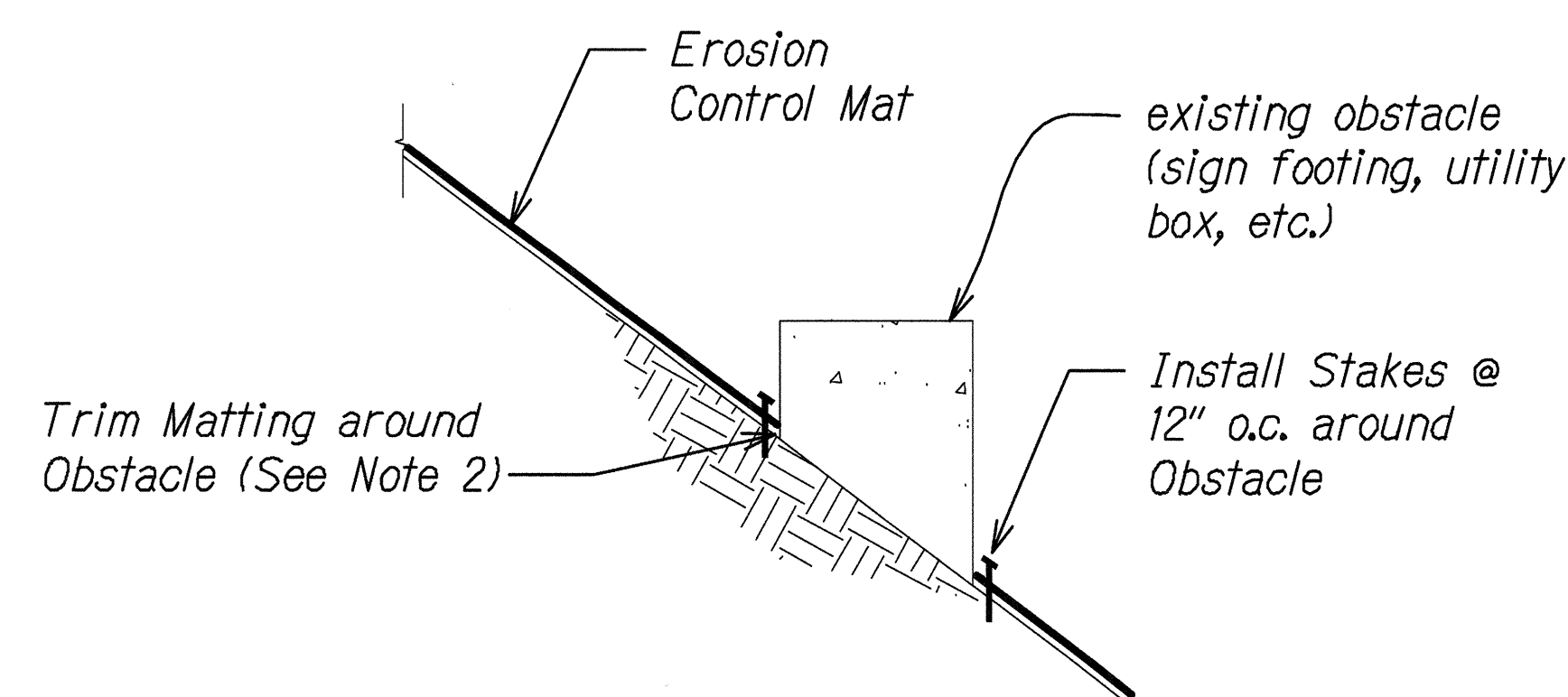
TOP OF SLOPE ANCHOR TRENCH DETAIL
Scale: Not to Scale

2
EC-01/EC-01



BOTTOM OF SLOPE ANCHOR TRENCH DETAIL
Scale: Not to Scale

3
EC-01/EC-01

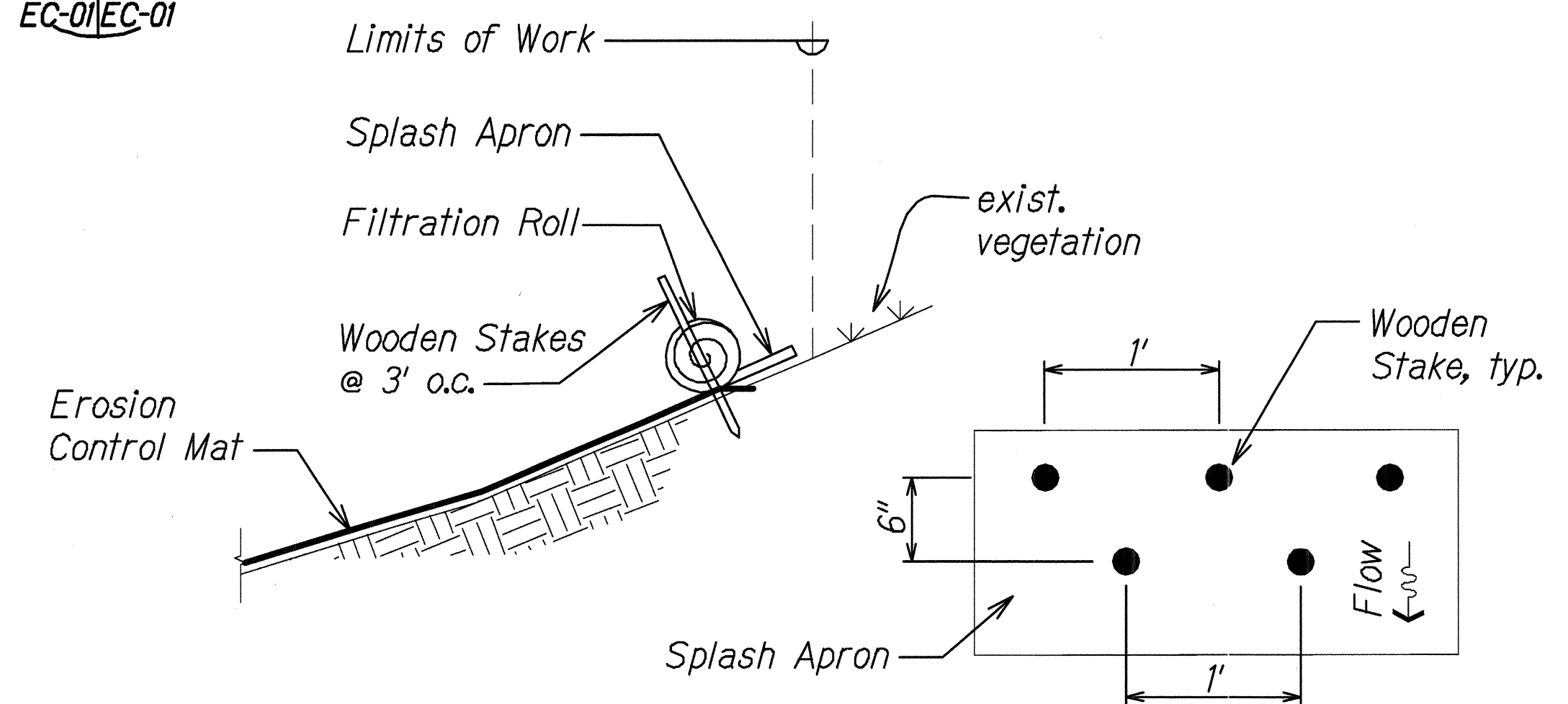


Notes:

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.

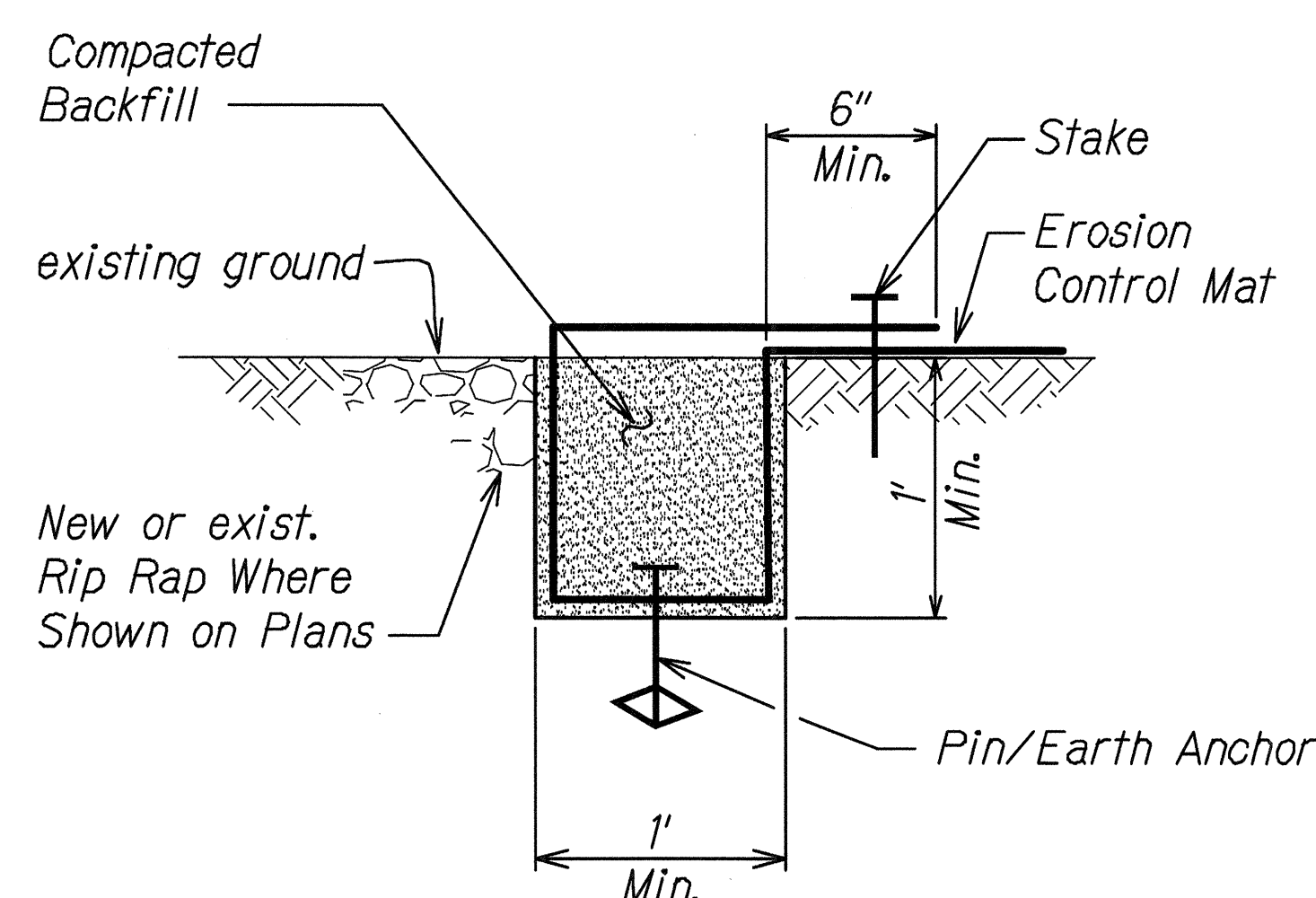
TYPICAL SECTION AROUND EXISTING OBSTACLES
Scale: Not to Scale

5
EC-01/EC-01



TOP EDGE AT MID-SLOPE DETAIL
Scale: Not to Scale

6
EC-01/EC-01



LONGITUDINAL EDGE TRENCH DETAIL
Scale: Not to Scale

4
EC-01/EC-01

ORIGINAL PLAN	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NOTED BY	
NO.	

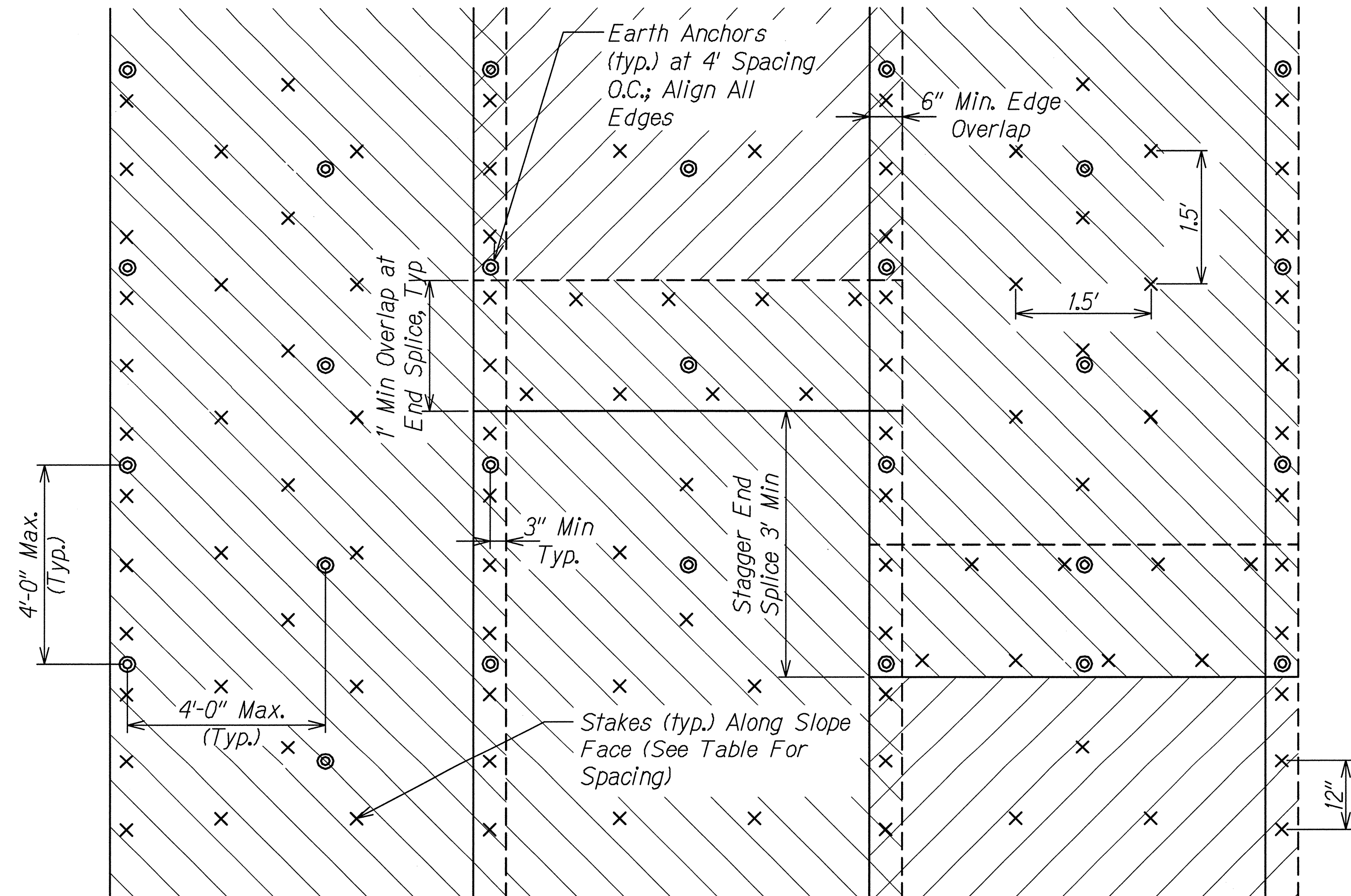
EC-01 EROSION CONTROL MATTING DETAILS DWG 5/1/2015 02:56 PM

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL DETAILS
EROSION CONTROL MATTING
CENTRAL OAHU BEST MANAGEMENT PRACTICES
ERODED SLOPE REPAIRS, PHASE 2
Project No. HWY-O-06-15M
Scale: Not to Scale Date: May 2015

SHEET No. EC-01 OF 31 SHEETS

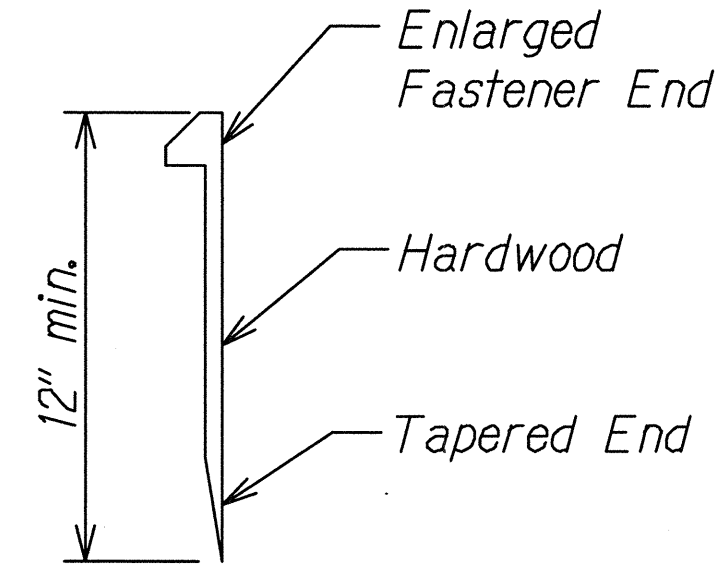
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-06-15M	2015	17	71



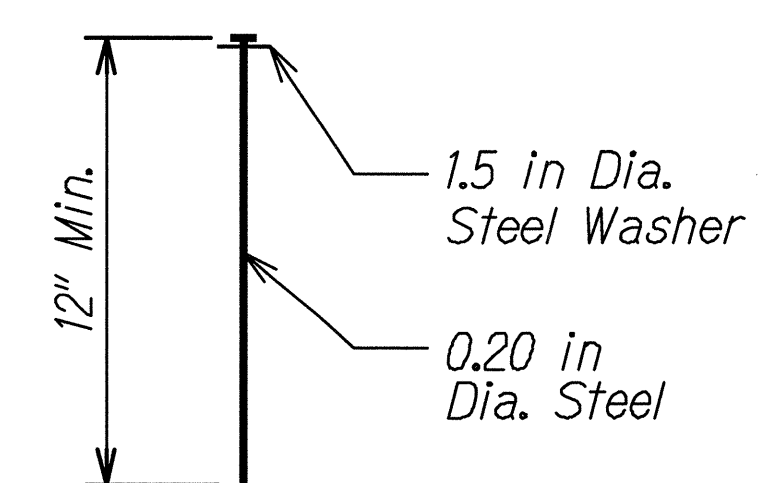
TYPICAL EROSION CONTROL MAT AND EARTH ANCHOR/STAKE LAYOUT
Scale: Not to Scale

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 unless otherwise indicated.
 - Earth anchors in trenches shall extend a minimum depth of 3' from the slope face.
 - Earth anchors along the slope face shall be installed per row to alternating depths of 4' and 6' from the slope face.
 - For bottom edges of ECM terminating at mid-slope, no bottom trench is required. In lieu of bottom trench, install stakes and earth anchors along bottom edge at 1' and 4' maximum spacing, respectively.

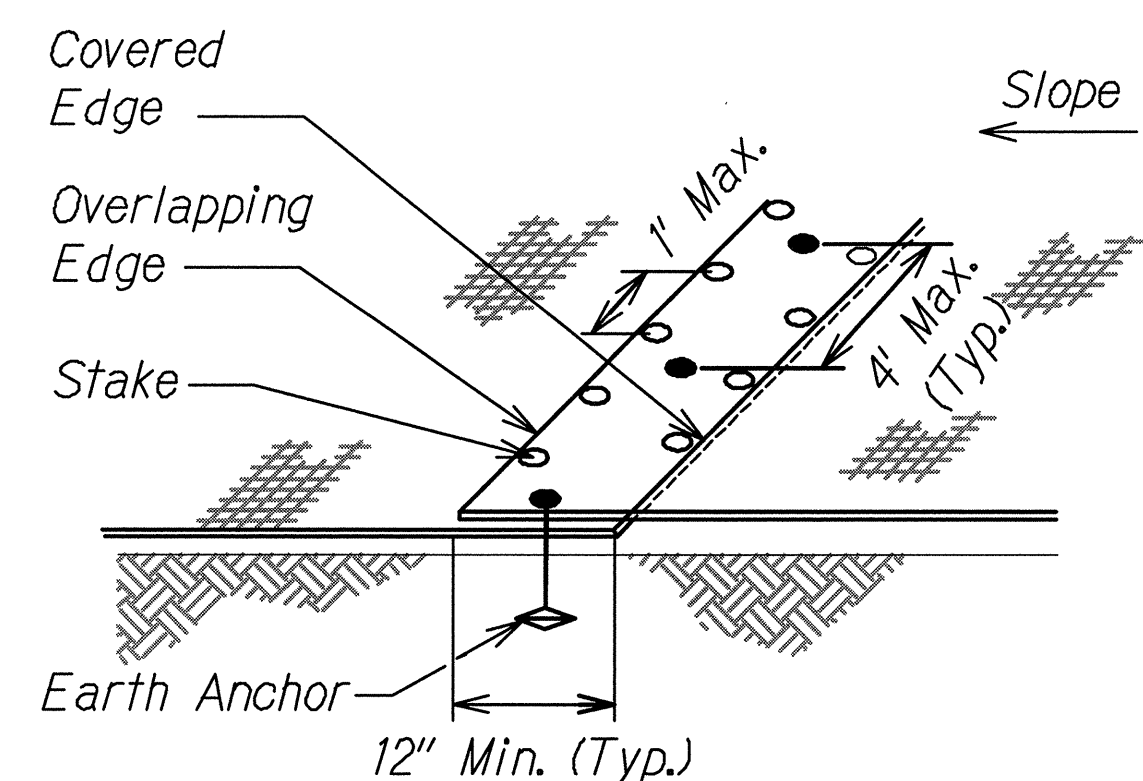


STAKE DETAIL
Scale: Not to Scale

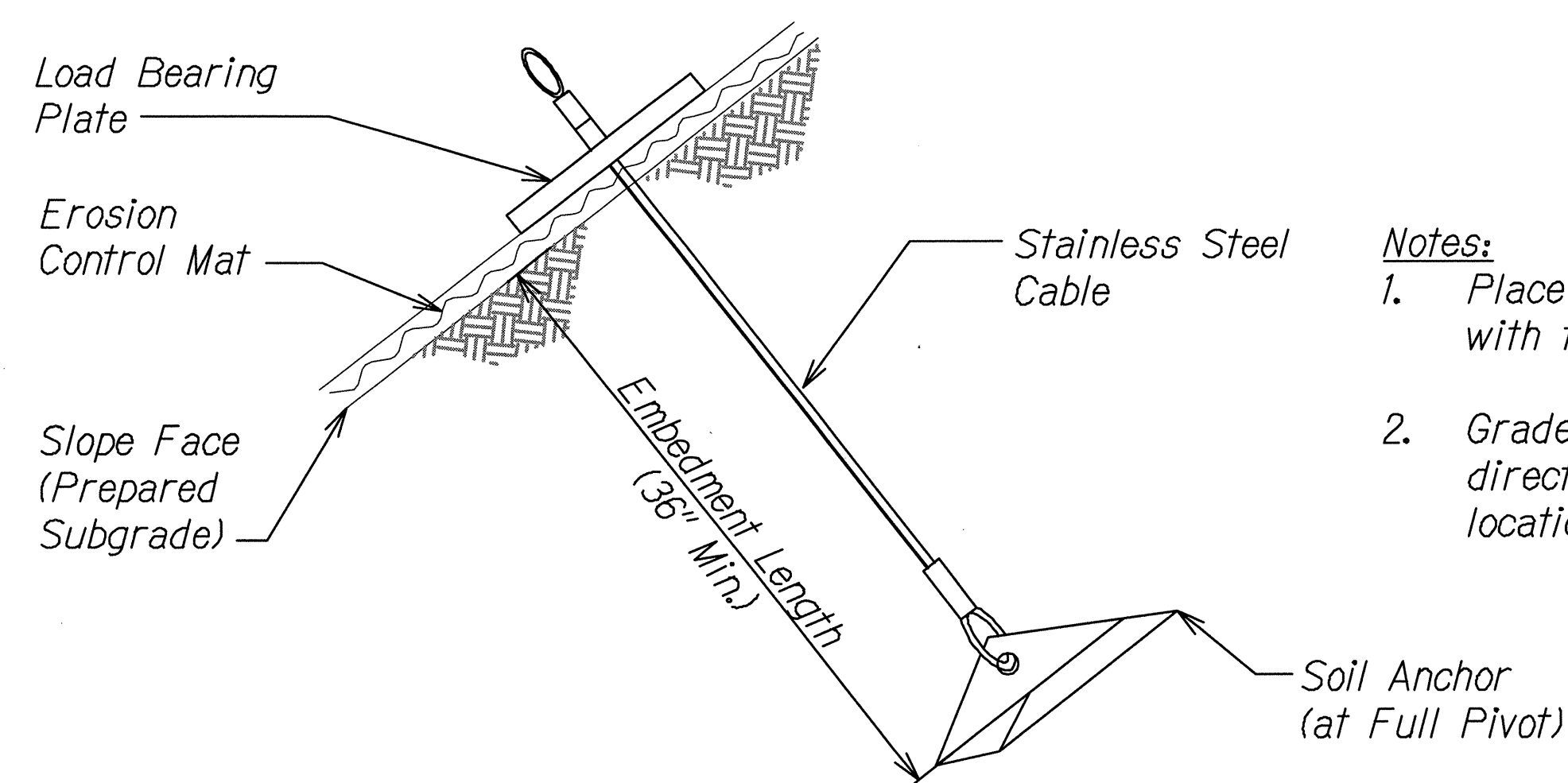


PIN DETAIL
Scale: Not to Scale

- Notes:**
- For clayey soils, pins shall be a minimum of 12" in length.
 - For sandy soils, pins shall be a minimum of 18" in length.



OVERLAP END DETAIL
Scale: Not to Scale



EARTH ANCHOR DETAIL
Scale: Not to Scale

- 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.

ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

EC-43 EROSION CONTROL MATTING DETAILS 2.DWG 5/6/2015 4:08:34 PM

JASON H. LAU
 LICENSED PROFESSIONAL ENGINEER
 NO. 9360-C
 HAWAII, USA
 4/30/16
 EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL DETAILS
EROSION CONTROL MATTING
CENTRAL OAHU BEST MANAGEMENT PRACTICES
ERODED SLOPE REPAIRS, PHASE 2
Project No. HWY-O-06-15M
Scale: Not to Scale Date: May 2015