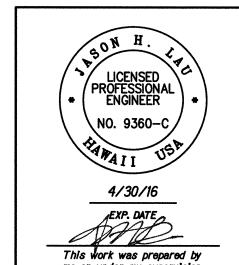


LONGITUDINAL EDGE TRENCH DETAIL 5
EC-03/EC-03



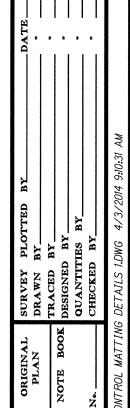
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

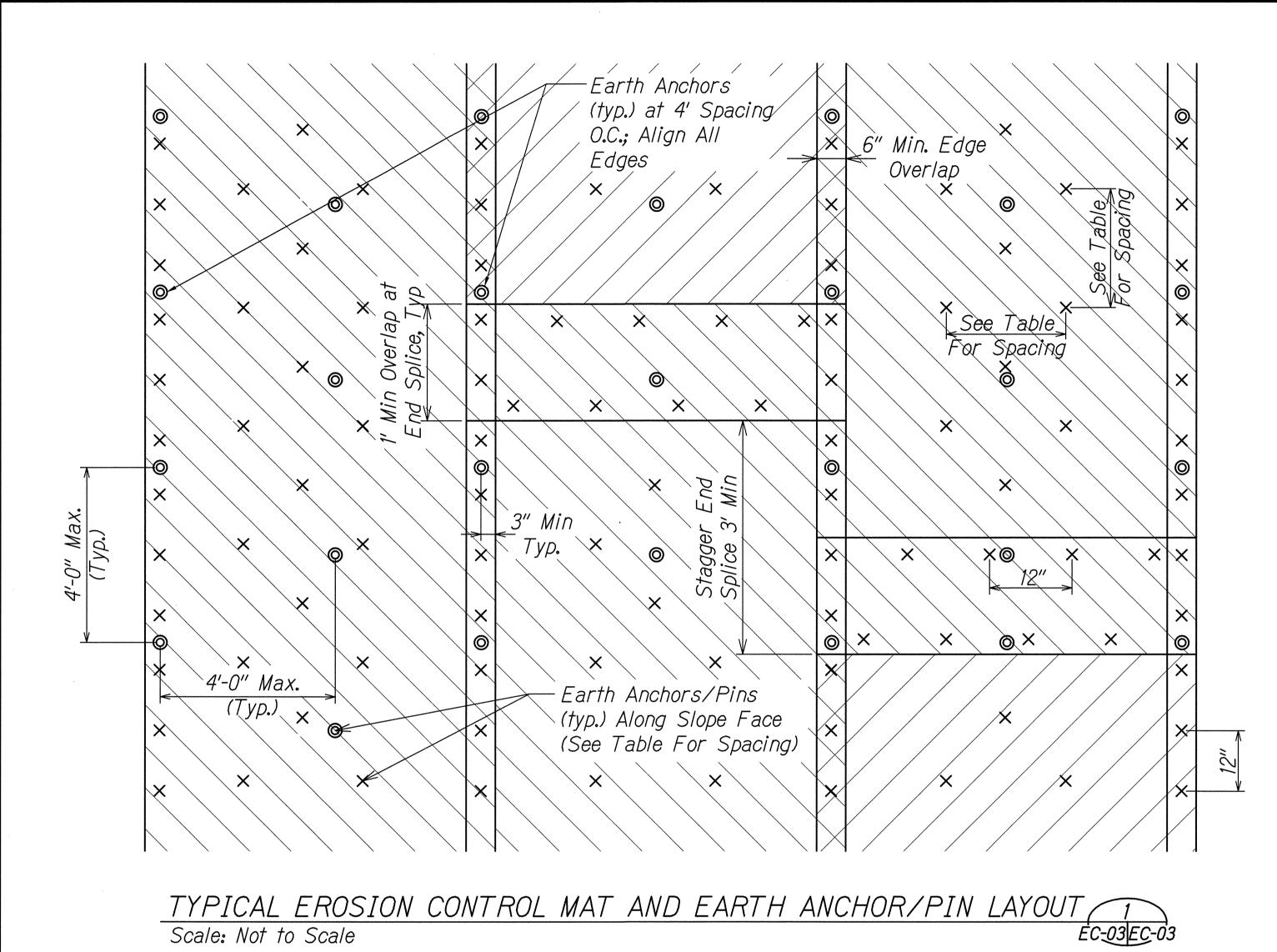
TYPICAL DETAILS EROSION CONTROL MATTING

KAWAINUI WATERSHED STORM WATER BEST MANAGEMENT PRACTICES ON OAHU Project No. HWY-0-07-14M
Scale: Not to Scale Date: April 2014

SHEET No. EC-02 OF 19 SHEETS

This work was prepared by me or under my supervision.

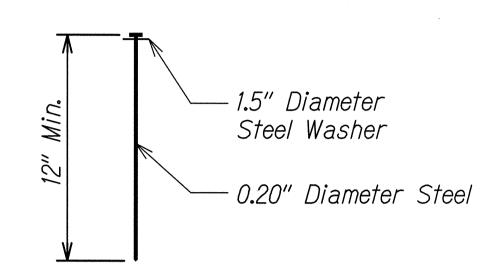




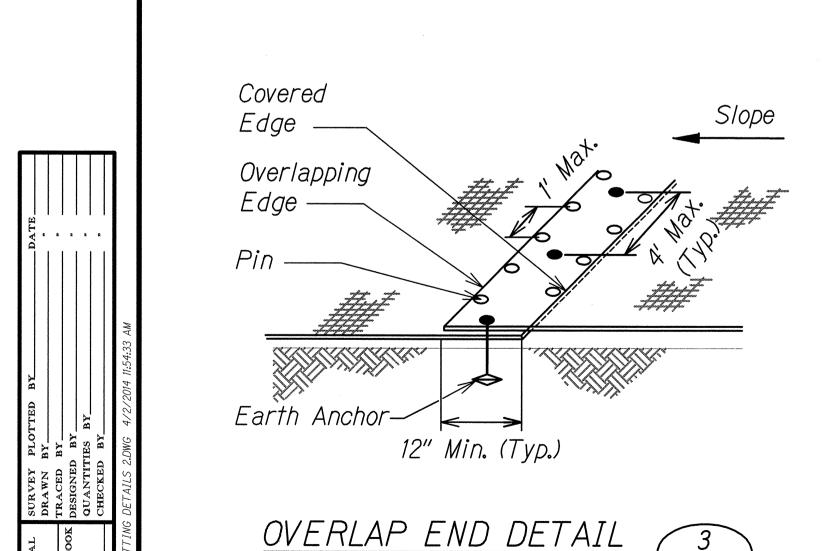
Pin/Earth Anchor Spacing						
Fastener Type	Along Slope Face	Top, Bottom ¢ Edge Trenches				
Pin	<i>1.5'</i>	1′				
Earth Anchor	4'	4′				

- Secure all erosion control mat edges with pins and earth anchors at the spacing indicated.
- 2. For slopes 3H:1V or flatter, no ECM required.
- 3. Earth anchors in trenches should extend a minimum of depth of 3' from the slope face.
- 4. The upper 7 rows of earth anchors shall extend a minimum depth of 10' from the slope face.
- 5. The remaining earth anchors shall be installed per row to alternating depths of 4' and 6' respectively.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-07-14M	2014	18	51

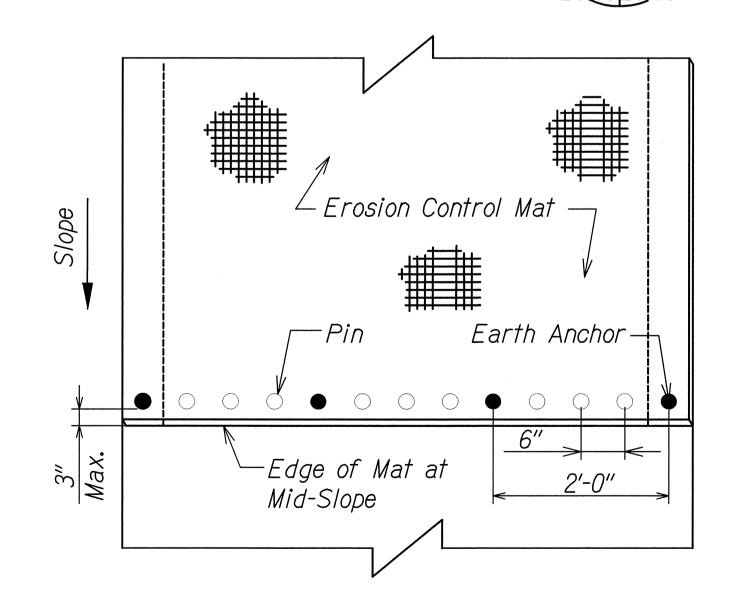






Scale: Not to Scale

EC-03EC-03

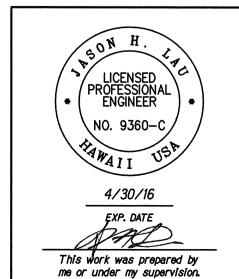


EDGE OF MAT AT MID-SLOPE

Scale: Not to Scale

EC-03 EC-03





STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

EROSION CONTROL MATTING DETAILS

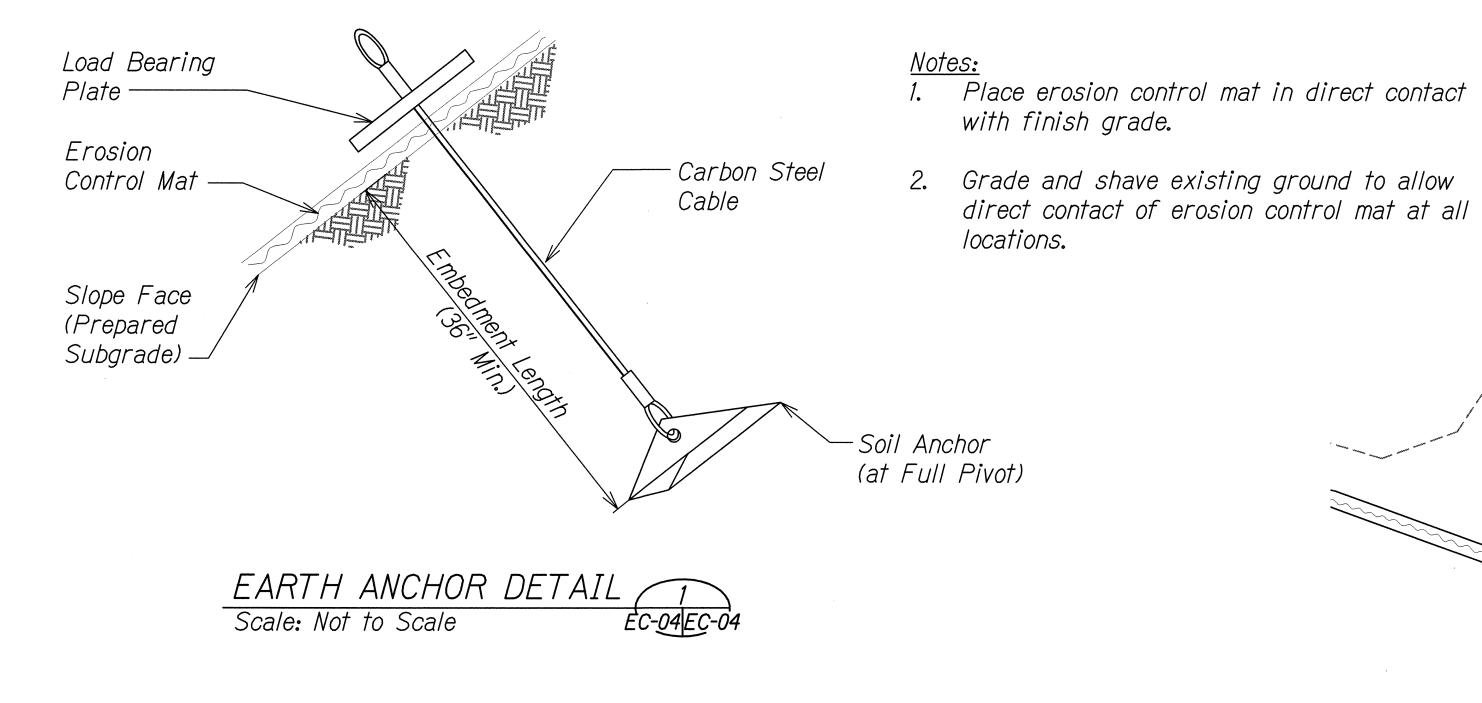
KAWAINUI WATERSHED STORM WATER BEST MANAGEMENT PRACTICES ON OAHU

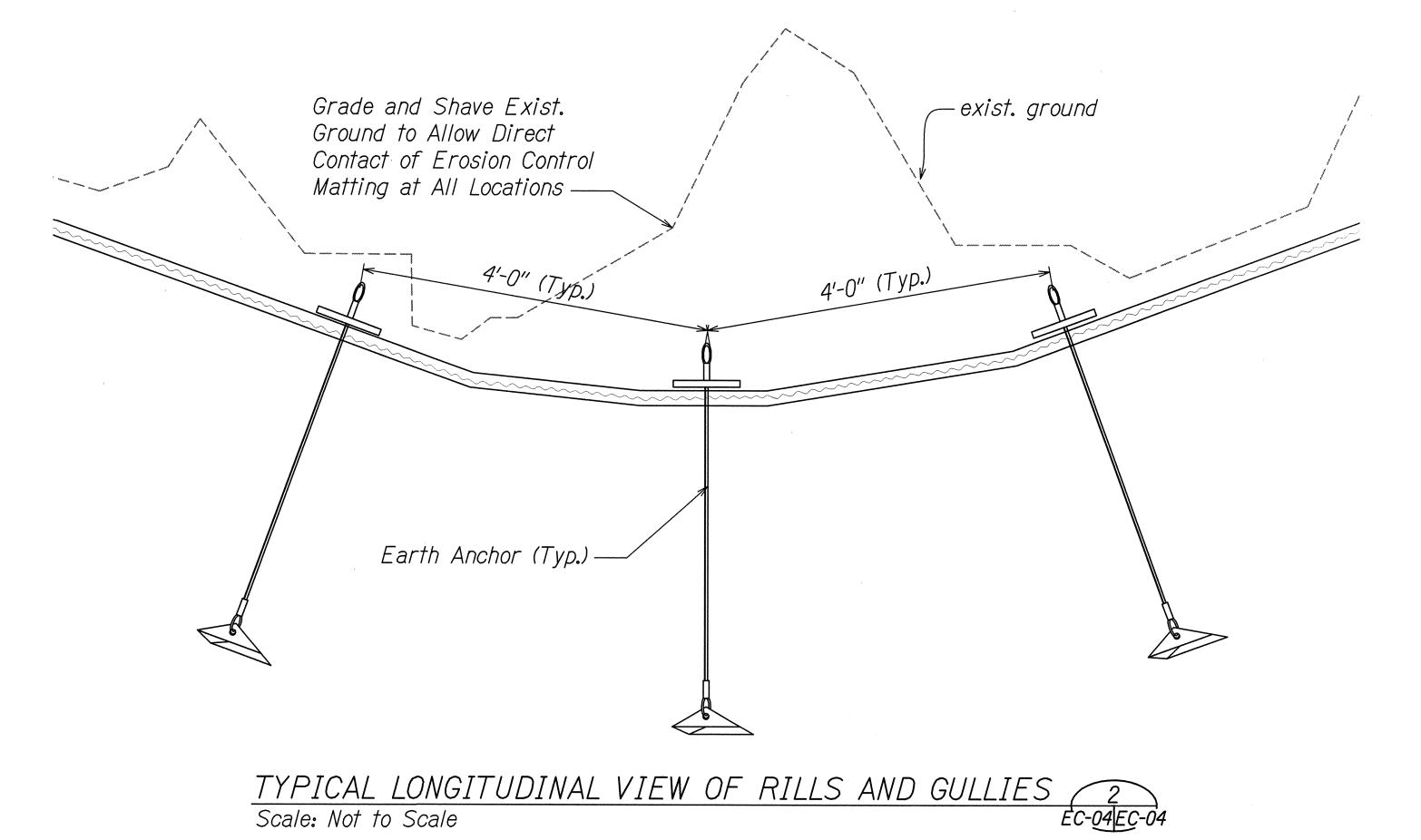
Project No. HWY-0-07-14M

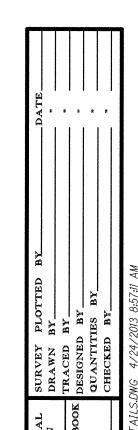
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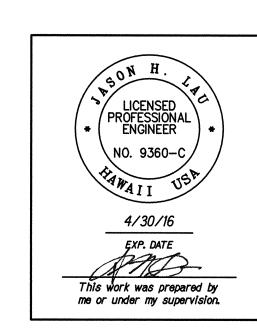
SHEET No. EC-03 OF 19 SHEETS

FED. ROAD DIST. NO. FISCAL SHEET TOTAL YEAR NO. SHEETS PROJ. NO. HAW. HWY-O-07-14M 2014









STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

TYPICAL DETAILS EARTH ANCHOR

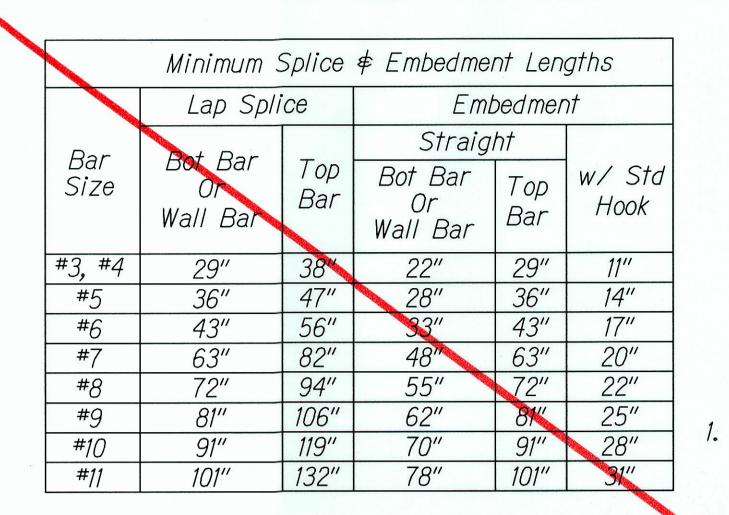
KAWAINUI WATERSHED STORM WATER BEST MANAGEMENT PRACTICES ON OAHU

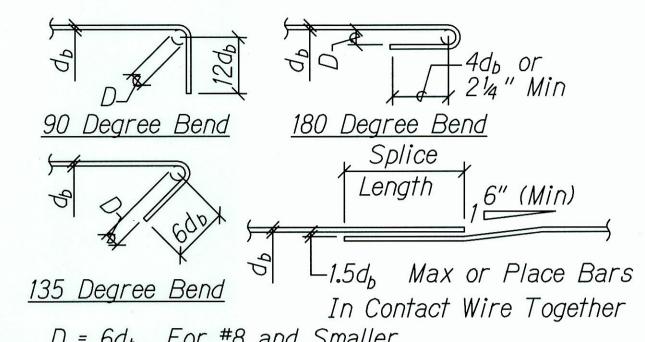
Project No. HWY-0-07-14M

Scale: Not to Scale

Date: April 2014

SHEET No. EC-04 OF 19 SHEETS





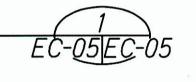
 $D = 6d_b$ For #8 and Smaller D = 8db For #9 To #11

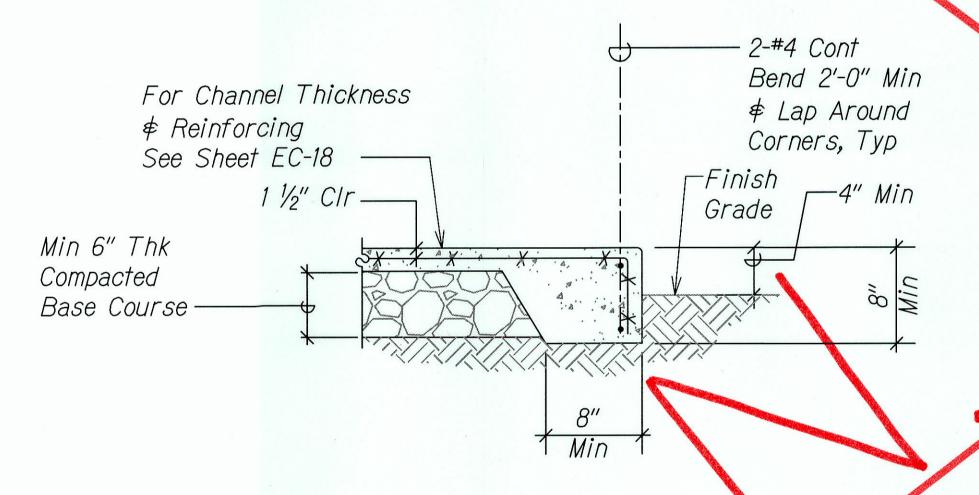
Cast Below.

Lengths Are For Concrete Beams ♦ Columns With Rebar Spaced 1 Bar Diameter Min O.C. And Concrete Walls with Rebars Spaced 2 Bar Diameters Min O.C. Increase Bar Length 50% For Bars Spaced Closer Than Minimums Specified. "Top Bars" Are Horizontal Bars With 12" Or More Of Concrete

TYPICAL REBAR SPLICE & EMBEDMENT LENGTH SCHEDULE

Scale: Not To Scale





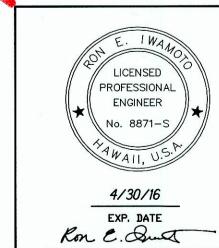
Notes: Welded wire fabric reinforcement shall be chaired to maintain proper concrete clear cover throughout the sleb.

AT THICKENED CHANNEL EDGE

TYPICAL CONC CHANNEL DETAIL

Scale: Not To Scale





This work was prepared by me or under my supervision.

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION

FISCAL SHEET TOTAL YEAR NO. SHEETS

PROJ. NO.

HAW. HWY-O-07-14M 2014 C.O. 20 51

TYPICAL STRUCTURAL

DETAILS - I

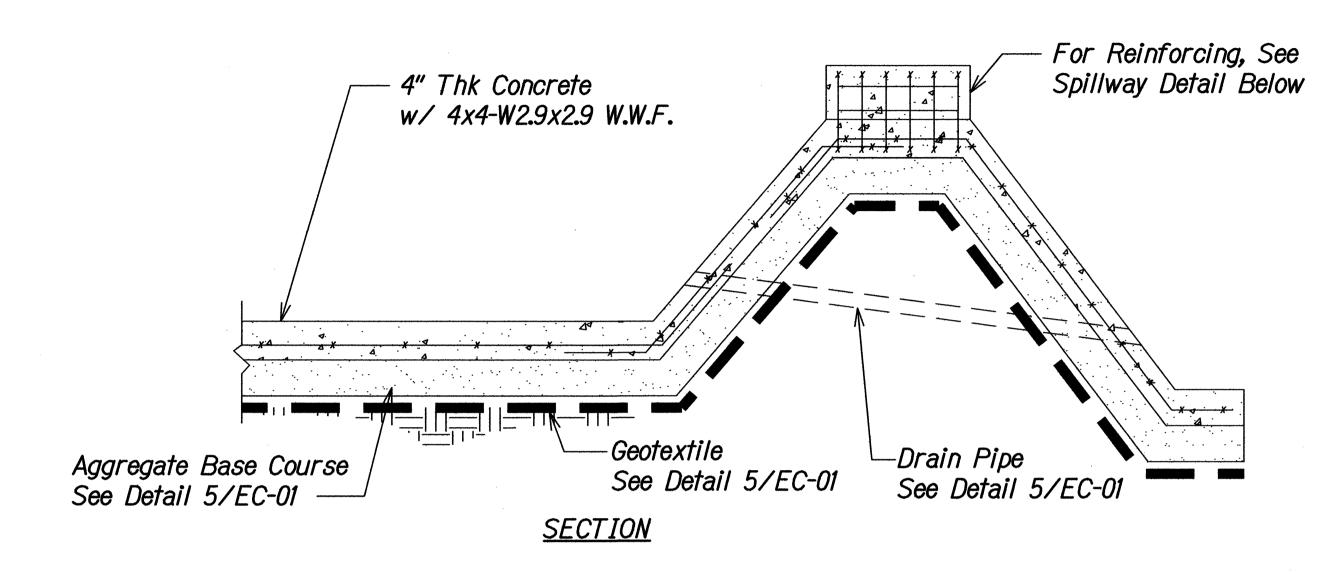
KAWAINUI WATERSHED STORM WATER BEST MANAGEMENT PRACTICES ON OAHU Project No. HWY-0-07-14M
Scale: As Shown Date: April 2014

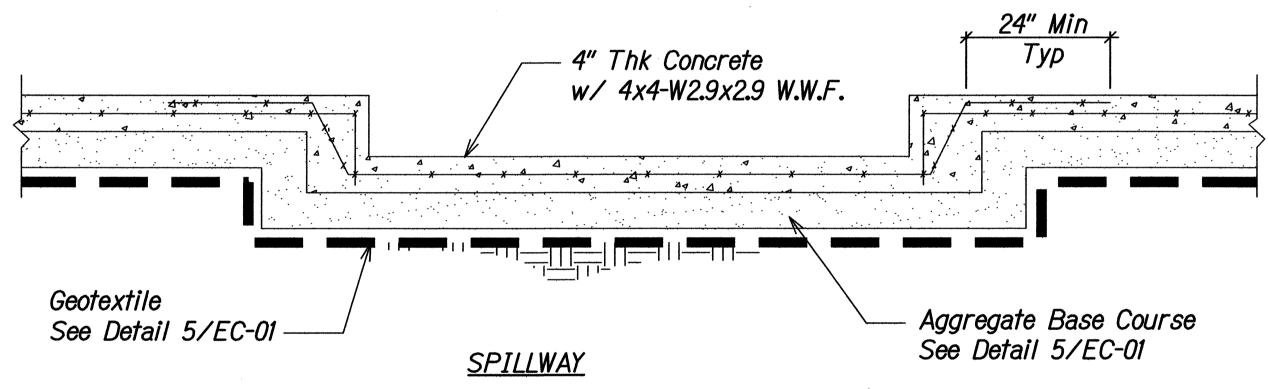
SHEET No. EC-05 OF 19 SHEETS

"AS-BUILT"

C.O. 20

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-07-14M	2014	21	51



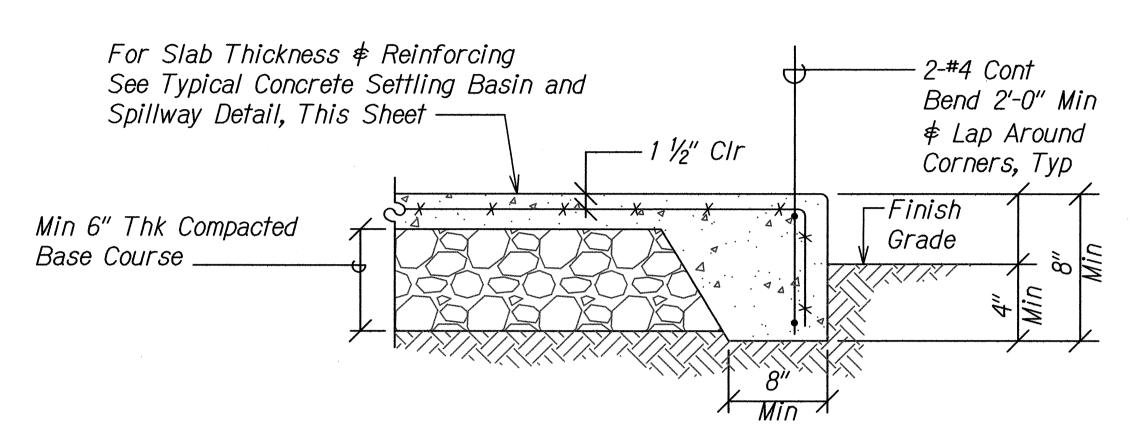


Notes:

- 1. For balance of information, See Detail 5 on Sheet EC-01.
- 2. Contractor shall provide thickened slab edges. See Typical Slab-On-Grade Detail At Thickened Slab Edge, this sheet.

TYPICAL CONC SETTLING BASIN AND SPILLWAY REINFORCING DETAIL
Scale: Not To Scale

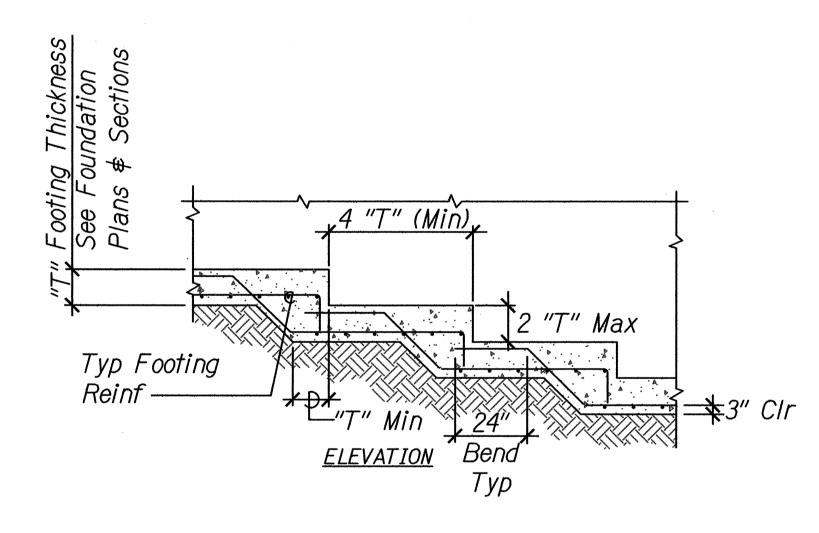


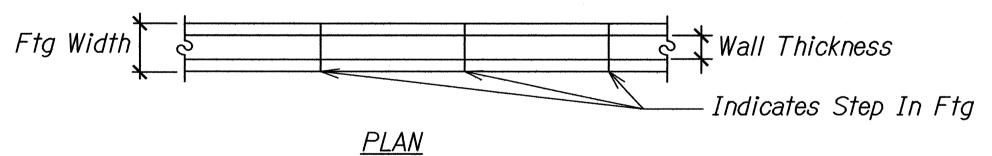


<u>Notes:</u> Welded wire fabric reinforcement shall be chaired to maintain proper concrete clear cover throughout the slab.

TYPICAL SLAB-ON-GRADE DETAIL AT THICKENED SLAB EDGE Scale: Not To Scale



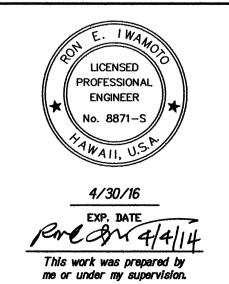




TYPICAL STEPPED FOOTING DETAIL

Scale: Not To Scale





DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL STRUCTURAL

DETAILS - 2

KAWAINUI WATERSHED STORM WATER
BEST MANAGEMENT PRACTICES ON OAHU
Project No. HWY-O-07-14M

Scale: As Shown Date: April 2014

SHEET No. EC-06 OF 19 SHEETS

 PLAN
 SURVEY PLOTTED BY
 DATE

 PLAN
 TRACED BY
 .

 OTE BOOK
 DESIGNED BY
 .

 QUANTITIES BY
 .
 .

 CHECKED BY
 .
 .

 CHECKED BY
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21