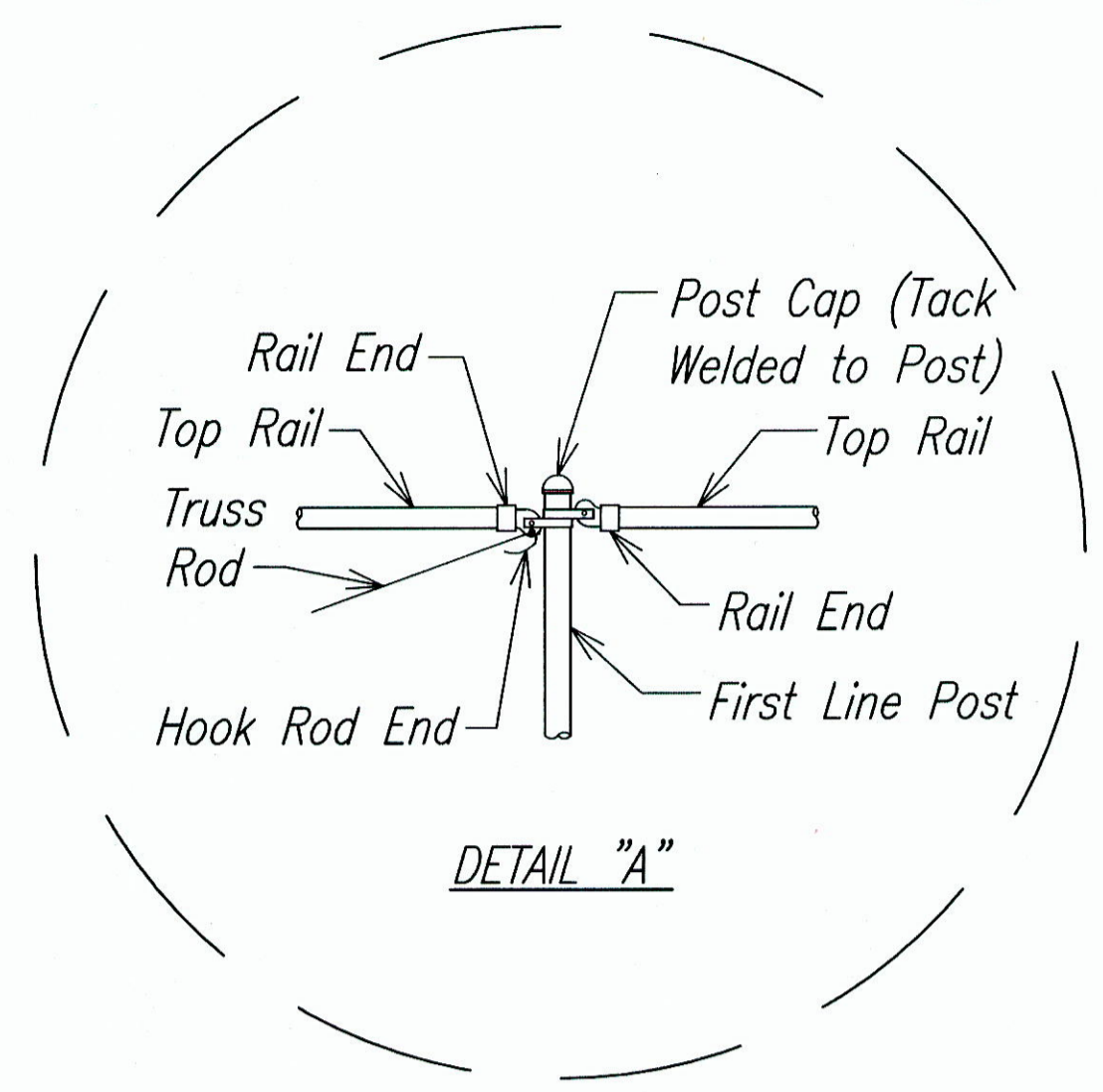
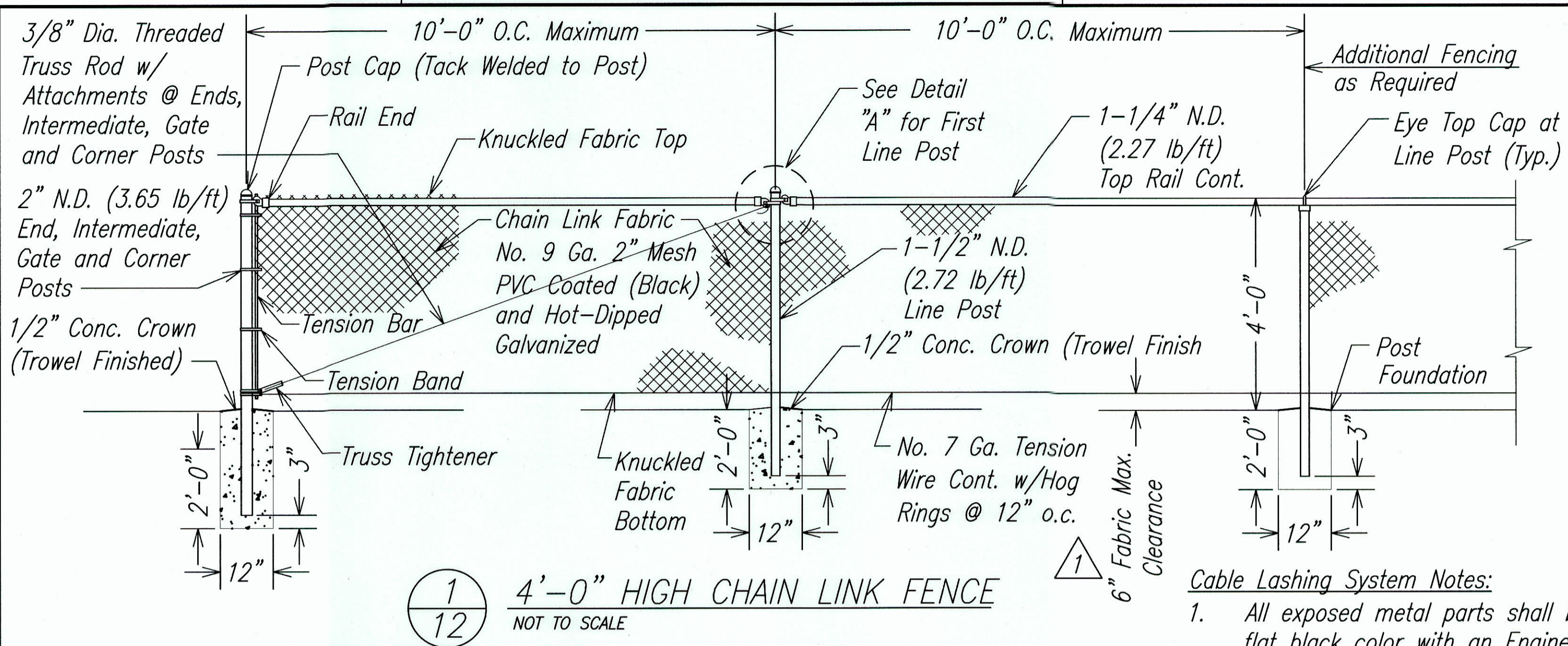


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	580A-01-14	2014	ADD.12	15

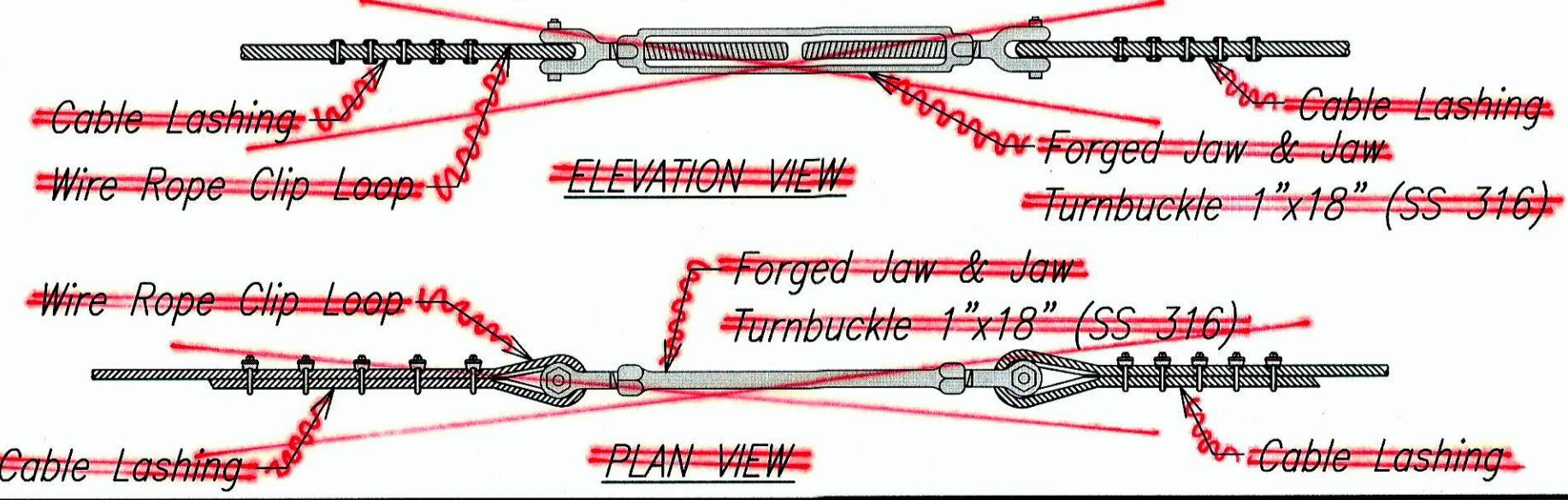
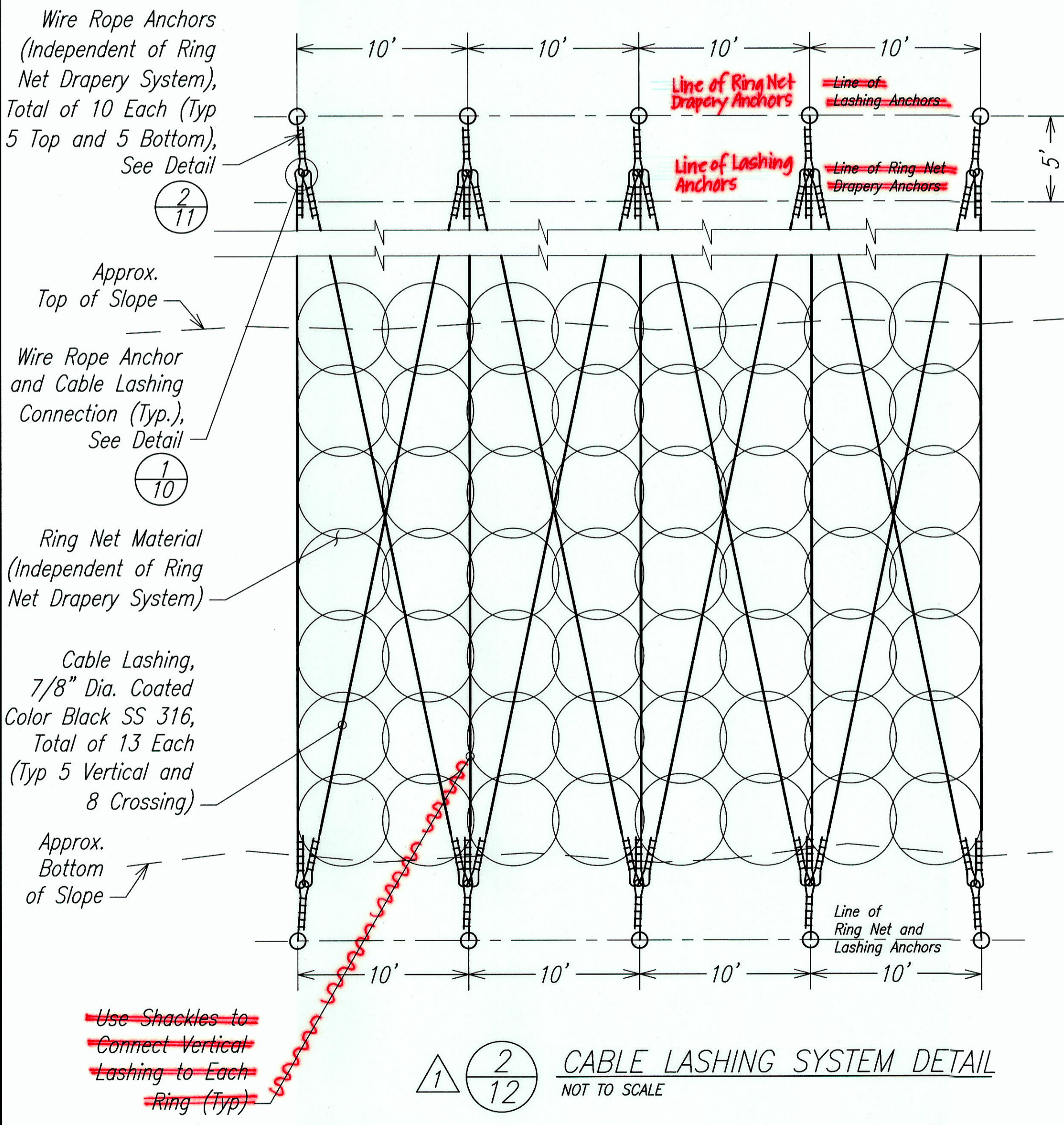


**Chain Link Fence Notes:**

1. All pipe and post sizes are nominal diameter (N.D.).
2. Chain link fabric, pipes, fittings, fasteners, truss rod, posts, hog rings and tension wire shall be hot-dip galvanized.
3. Chain link fabric shall be continuous and fastened to end, intermediate, gate and corner posts by tension bars with tension bands evenly spaced at 15" o.c. (max.).
4. Wire fastenings shall be no. 12 gauge galvanized tie wire.
5. Chain link fabric shall be fastened to line posts with wire fastenings evenly spaced at 12" o.c. (max.).
6. Chain link fabric shall be fastened to horizontal rails with wire fastenings evenly spaced at 12" o.c. (max.).
7. All wire fastening ends shall be wrapped around chain link a minimum of one complete turn. (hooking of wire ends shall not be permitted).
8. Chain link fabric shall be fastened to truss rod with no. 9 gauge hog rings at 12" o.c.
9. No splicing shall be allowed on all straight-run pipes.
10. Top and bottom selvages of chain link fabric shall be knuckled.
11. Install intermediate posts at 200' max. intervals.
12. All field welds and damaged galvanized surfaces shall be painted with two coats of z.r.c. cold galvanizing compound.
13. All fence posts shall be installed evenly spaced.
14. After installation, all bolt ends shall be cut flush with the nuts and ground smooth.
15. Chain link fence shall have a PVC coating, color black and shall be hot-dip galvanized. See Special Provisions Section 607 - Chain Link Fences and Gates.

**Cable Lashing System Notes:**

1. All exposed metal parts shall be powder coated or primed and painted (two-coat system) a flat black color with an Engineer approved paint prior to installation. See Special Provisions Section 673 - Ring Net Drapery System.
2. Cable lashing system shall be 7/8" dia. SS 316 cables (5 vertical and 8 crossing), 10 wire rope anchors 1" dia. SS 316 (5 top and 5 bottom), and a ring net material (ring net and connections shall be per ring net drapery system requirements). Wire rope anchors for cable lashing shall be 6' min. clearance from any adjacent wire rope anchors as approved by the Engineer, and independent of the ring net drapery system, see wire rope anchor detail 2/11.
3. The two locations proposed for cable lashing as shown on the Roadway Plan are an approximation. Actual location for the two cable lashing areas including locations of top and bottom support anchors shall be coordinated with the Engineer in the field prior to any anchor installation. All scaling and/or demolition work deemed necessary by the Contractor shall be incidental to the cost of the ring net drapery system.
4. The ring net complete with lacing cables and connectors shall be draped over the slope and temporarily supported prior to cable lash installation. The cable lashing shall then be installed and tightened using turnbuckles as shown on this sheet complete, and the ring net shall then be secured to vertical cable lashing using shackles prior to the installation of the Ring Net Drapery System over it.
5. Install the cable lashing at locations identified by the Engineer and as shown on this sheet. If any existing condition prevents the cable lashing to run smoothly across the rock face, notify the Engineer for further directions.
6. ~~Using the turnbuckle, tighten all cable lashing allowing slight tension in the cables. Turnbuckles shall be stainless steel, type 316 and shall be equipped with a locking mechanism. See detail this sheet.~~  
**cable lash was tightened mechanically and locked off with wire rope clips.**
7. Submit for review: Manufacturer's literature for installation instruction and data sheets for cable lashing, turnbuckles and any other miscellaneous materials used.
8. Immediately notify the Engineer if any conflicts or destabilization of the rock face occurs while the cable lashing is being installed.



**AECOM**



06/16/14	Revised Cable Lashing System Detail and Notes, and Chain Link Fence Detail and Notes
DATE	REVISION
<p>STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION</p> <p><b>MISCELLANEOUS DETAILS</b></p> <p><b>KUAMOO ROAD</b> <b>EMERGENCY SLOPE STABILIZATION</b> <b>VICINITY OF MILEPOST 0.3</b> <b>PROJECT NO. 580A-01-14</b> Scale: As Noted Date: June 2014</p> <p>SHEET No. 12 OF 15 SHEETS</p>	

**"AS-BUILT"**

**ADD. 12**