

Stationing and Guardrail:

- # Sta. 1287+65 To 1289+33 o/s LT 37.5'
 - Install "ET-2000 Plus", Trailing End (6.25 LF)
 - Install W-Beam Guardrail (136.75 LF)
 - w/ RM-2 Bi-Directional (white) on Flexible Delineator Posts (white) at the Beginning and End of W-Beam Length
 - Install Thrie Beam Guardrail, Leading End (25 LF)
- # Sta. 1288+07 To 1289+33 o/s LT
 - Install Chain Link Fence with Toprail, See Std. Det. D-01 (177 LF)
- # Sta. 1289+97 To 1290+97 o/s LT
 - Install Thrie Beam Guardrail, Trailing End (25 LF)
 - Install W-Beam Guardrail (66.75 LF)
 - w/ RM-2 Bi-Directional (white) on Flexible Delineator Posts (white) at the Beginning and End of W-Beam Length
 - Install "ET-2000 Plus", Leading End (6.25 LF)
- # Sta. 1291+20 To 1292+10 o/s LT
 - Install Chain Link Fence without Toprail, See Std. Det. D-02 (90 LF)
- # Sta. 1292+87 To 1293+85 o/s RT
 - Install "ET-2000 Plus", Leading End (6.25 LF)
 - Install W-Beam Guardrail (90.5 LF)
 - w/ RM-2 Bi-Directional (white) on Flexible Delineator Posts (white) at the Beginning and End of W-Beam Length
 - Install "ET-2000 Plus", Trailing End (6.25 LF)
- # Sta. 1293+27 To 1294+07 o/s RT
 - Install "ET-2000 Plus", Trailing End (6.25 LF)
 - Install W-Beam Guardrail (100.0 LF)
 - w/ RM-2 Bi-Directional (white) on Flexible Delineator Posts (white) at the Beginning and End of W-Beam Length
 - Install "ET-2000 Plus", Leading End (6.25 LF)
- # Sta. 1294+07 To 1295+00 o/s RT
 - Install "ET-2000 Plus", Trailing End (6.25 LF)
 - Install W-Beam Guardrail (100.0 LF)
 - w/ RM-2 Bi-Directional (white) on Flexible Delineator Posts (white) at the Beginning and End of W-Beam Length
 - Install "ET-2000 Plus", Leading End (6.25 LF)

Other Notes:

- 1285+48 per Field Change No. 35
- 1286+30 per Field Change No. 35
- 1288+92 per Field Change No. 35
- 1289+28 to 1289+33
- 1289+97 to 1290+47
- 1291+70 to 1292+70
- 1292+87 to 1293+85
- 1293+27 to 1294+07
- 1294+07 to 1295+00
- 1295+00 to 1296+00
- 1296+00 to 1297+00
- 1297+00 to 1298+00
- 1298+00 to 1299+00
- 1299+00 to 1300+00
- 1300+00 to 1301+00
- 1301+00 to 1302+00
- 1302+00 to 1303+00
- 1303+00 to 1304+00
- 1304+00 to 1305+00
- 1305+00 to 1306+00
- 1306+00 to 1307+00
- 1307+00 to 1308+00
- 1308+00 to 1309+00
- 1309+00 to 1310+00
- 1310+00 to 1311+00
- 1311+00 to 1312+00
- 1312+00 to 1313+00
- 1313+00 to 1314+00
- 1314+00 to 1315+00
- 1315+00 to 1316+00
- 1316+00 to 1317+00
- 1317+00 to 1318+00
- 1318+00 to 1319+00
- 1319+00 to 1320+00
- 1320+00 to 1321+00
- 1321+00 to 1322+00
- 1322+00 to 1323+00
- 1323+00 to 1324+00
- 1324+00 to 1325+00
- 1325+00 to 1326+00
- 1326+00 to 1327+00
- 1327+00 to 1328+00
- 1328+00 to 1329+00
- 1329+00 to 1330+00
- 1330+00 to 1331+00
- 1331+00 to 1332+00
- 1332+00 to 1333+00
- 1333+00 to 1334+00
- 1334+00 to 1335+00
- 1335+00 to 1336+00
- 1336+00 to 1337+00
- 1337+00 to 1338+00
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- 1339+00 to 1340+00
- 1340+00 to 1341+00
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- 1355+00 to 1356+00
- 1356+00 to 1357+00
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- 1358+00 to 1359+00
- 1359+00 to 1360+00
- 1360+00 to 1361+00
- 1361+00 to 1362+00
- 1362+00 to 1363+00
- 1363+00 to 1364+00
- 1364+00 to 1365+00
- 1365+00 to 1366+00
- 1366+00 to 1367+00
- 1367+00 to 1368+00
- 1368+00 to 1369+00
- 1369+00 to 1370+00
- 1370+00 to 1371+00
- 1371+00 to 1372+00
- 1372+00 to 1373+00
- 1373+00 to 1374+00
- 1374+00 to 1375+00
- 1375+00 to 1376+00
- 1376+00 to 1377+00
- 1377+00 to 1378+00
- 1378+00 to 1379+00
- 1379+00 to 1380+00
- 1380+00 to 1381+00
- 1381+00 to 1382+00
- 1382+00 to 1383+00
- 1383+00 to 1384+00
- 1384+00 to 1385+00
- 1385+00 to 1386+00
- 1386+00 to 1387+00
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- 1388+00 to 1389+00
- 1389+00 to 1390+00
- 1390+00 to 1391+00
- 1391+00 to 1392+00
- 1392+00 to 1393+00
- 1393+00 to 1394+00
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- 1395+00 to 1396+00
- 1396+00 to 1397+00
- 1397+00 to 1398+00
- 1398+00 to 1399+00
- 1399+00 to 1400+00
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- 1402+00 to 1403+00
- 1403+00 to 1404+00
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- 1405+00 to 1406+00
- 1406+00 to 1407+00
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- 1422+00 to 1423+00
- 1423+00 to 1424+00
- 1424+00 to 1425+00
- 1425+00 to 1426+00
- 1426+00 to 1427+00
- 1427+00 to 1428+00
- 1428+00 to 1429+00
- 1429+00 to 1430+00
- 1430+00 to 1431+00
- 1431+

1. "SKT-350" May Be Used As a Substitute for "ET-2000 Plus" Guardrail End Treatment.

1 2. The Guardrail Installation at Obstructions shown on Sheet C-37 shall be applied at the location of the existing utility pole at Station 1288+27 offset left. Please also refer to the Detail "Retaining Wall at Utility Pole" shown on Sheet 43. Payment of this item will be incidental to Item No. 606.3111 of the Proposal Schedule.

Installation of W-Beam
Rail on Pedestrian Side of
W-Beam Guardrail per
Field Change No. 44

Locations:
Sta. 1287+28± to 1289+33±LT
Sta. 1289+97± to 1290+47±LT
Sta. 1291+70± to 1292+70±LT



This work was prepared by
me or under my supervision

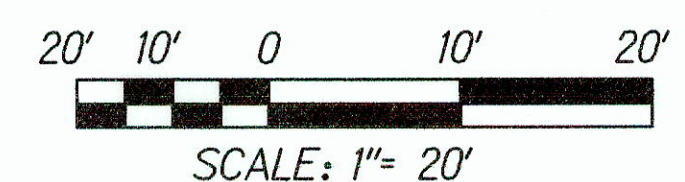
Chad M. McDermott
4/30/2011
MITSUNAGA & ASSOCIATES, INC. EXP. D.

NOTE: Contractor to check and verify dimensions at job before proceeding with work.

LEGEND FOR AS-BUILT POSTING

	<i>Squiggly line for as-built deletion</i>
	<i>Double line for as-built deletion</i>
Roadway	<i>Text for as-built posting</i>

GRAPHIC SCALE:



3/11/05	1	Note Revised
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DATE	REVISION
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KAMEHAMEHA HWY.

BRIDGE PLAN - 1

BRIDGE PLAN
KAMEHAMEHA HIGHWAY
REPLACEMENT OF KOKOLOLO STREAM BRIDGE

REPLACEMENT OF KUKULOLIO STREAM BRIDGE
 Federal Aid Project No. DD-0321(50)

Federal Aid Project No. BR-083-1(50)
Scale: As Noted Date: August 2004

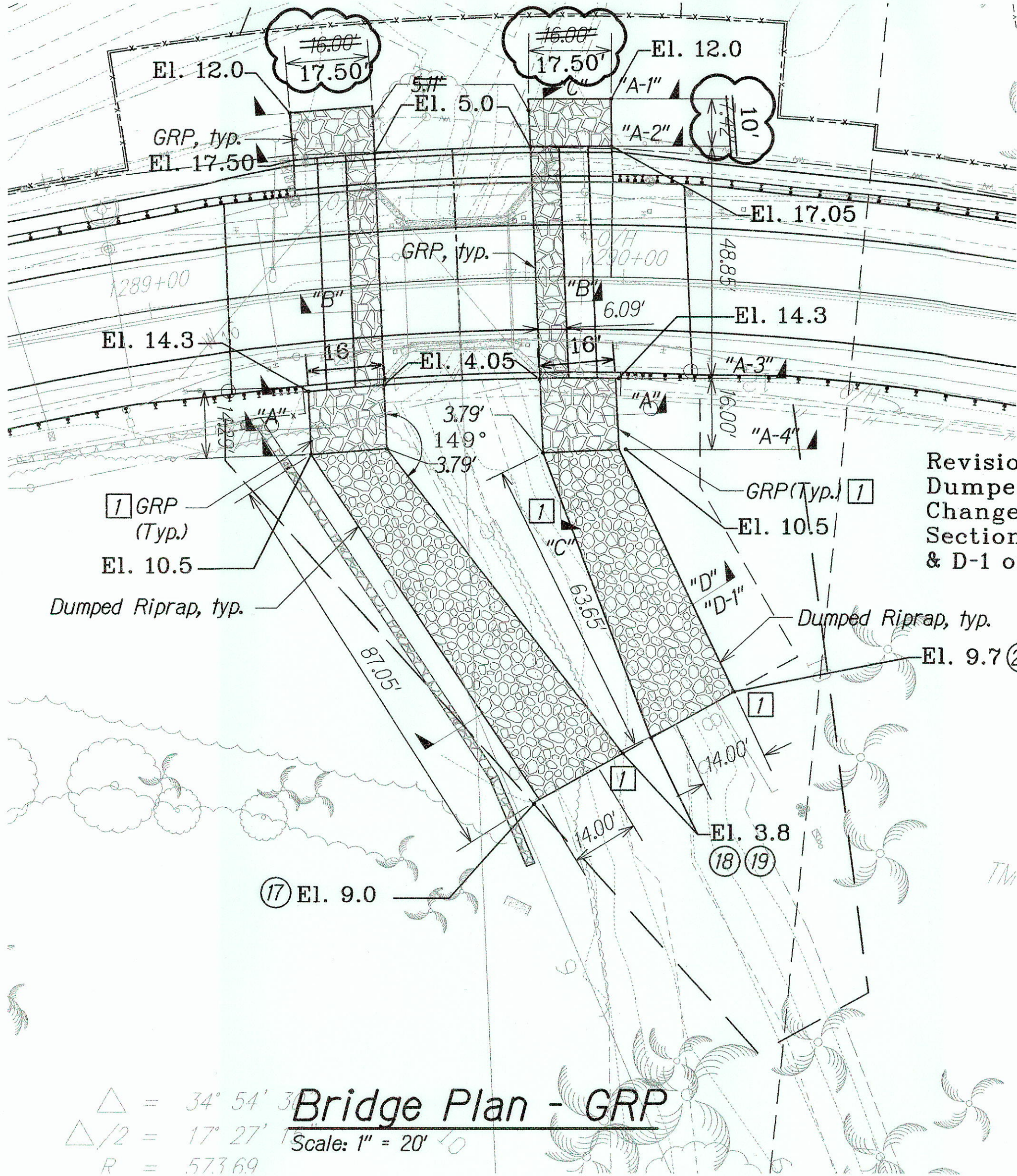
SHEET No. **C-13** OF **51** SHEETS

“AS-BUILT”

ADD.15

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	BR-083-1(50)	2005	ADD16	81

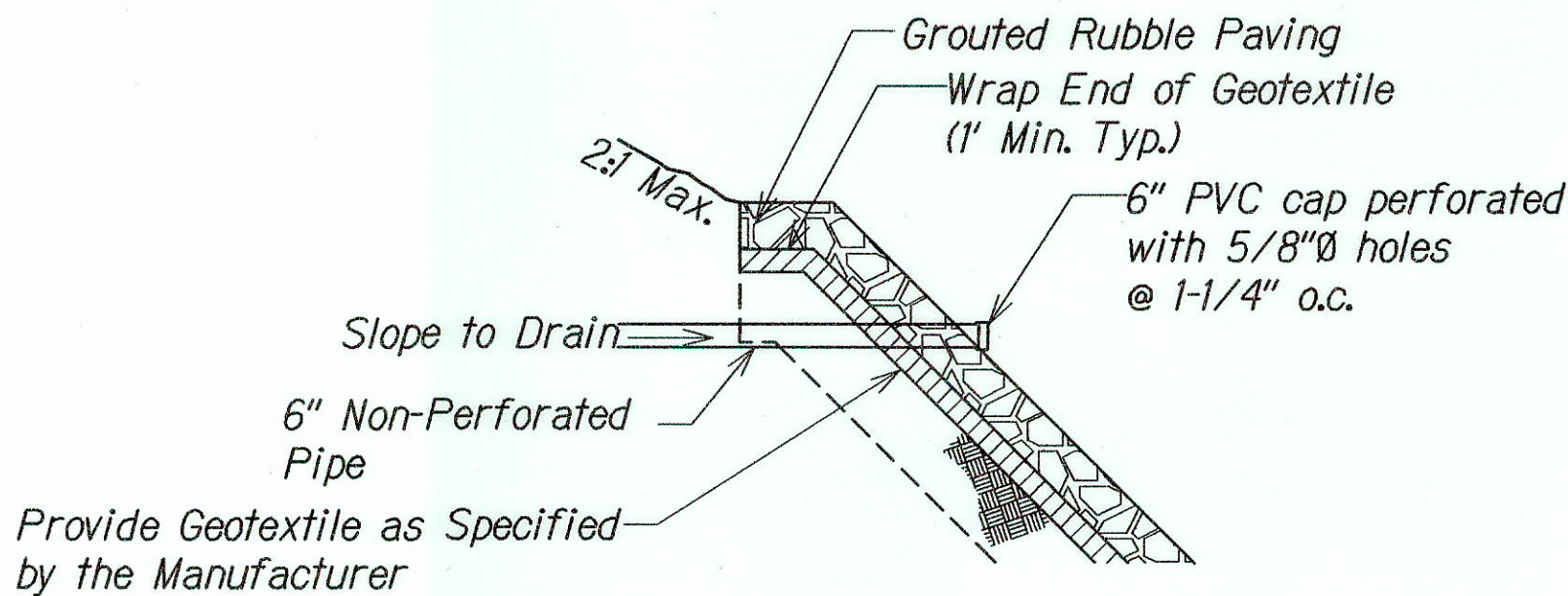
Note:
 1. Payment for Drain Rock and Mirafi 100X Fabric shall be considered incidental to Item No. 612.2000 Grouted Rubble Paving.
 2. All GRP and riprap for the project shall be a minimum of 6 inches in dimension.



$\Delta = 34^{\circ} 54' 30''$
 $\Delta/2 = 17^{\circ} 27' 15''$
 $R = 573.69'$

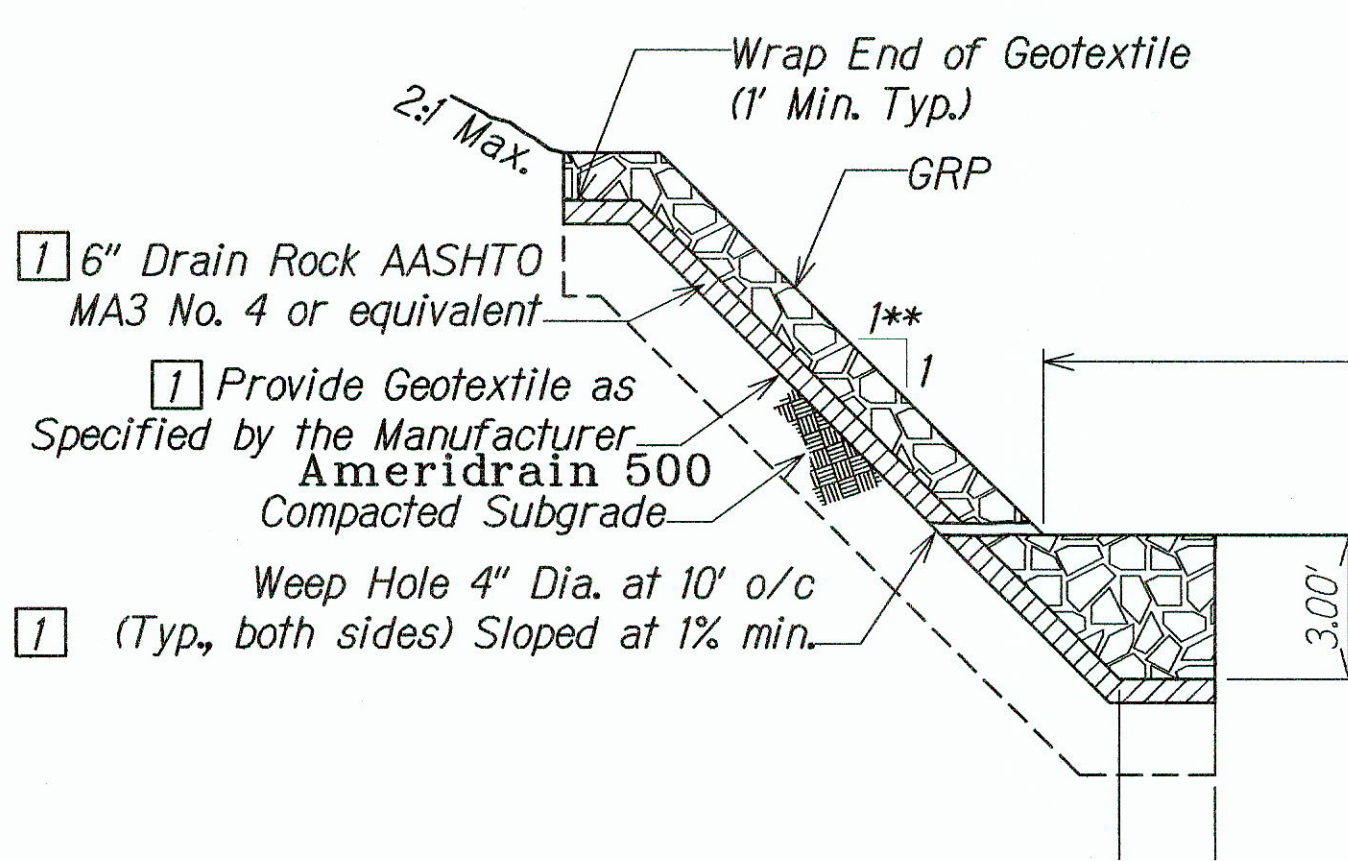
Bridge Plan - GRP

Scale: 1" = 20'



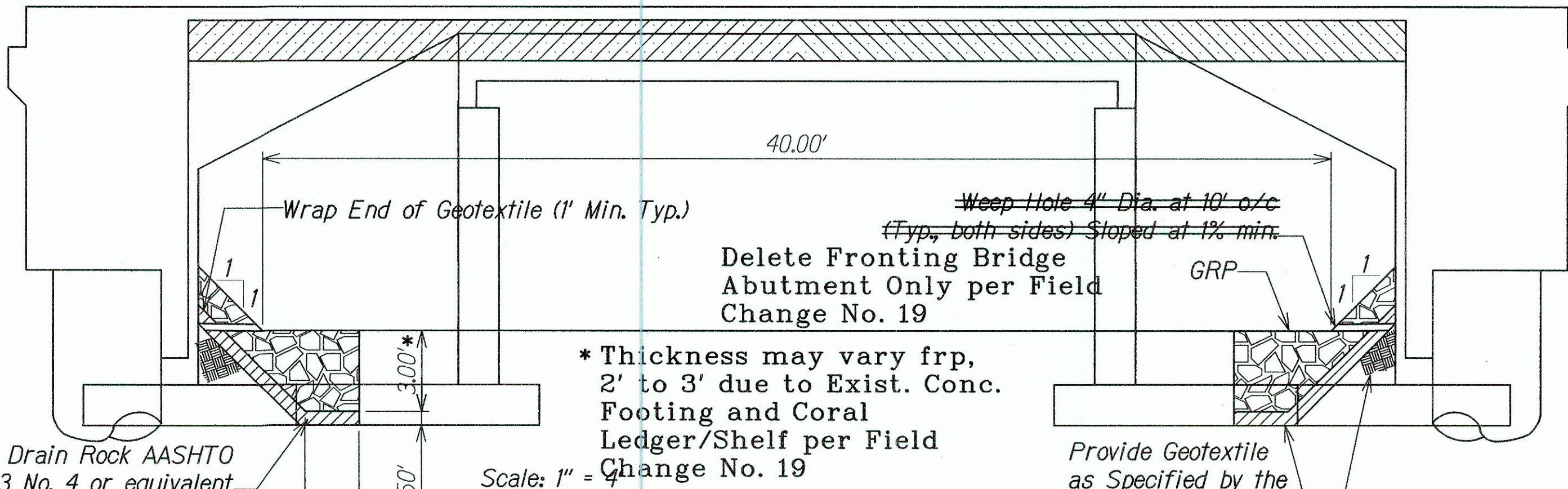
Subdrain Outlet Detail (Daylight)

Scale: 1" = 4'



Section "A-A"

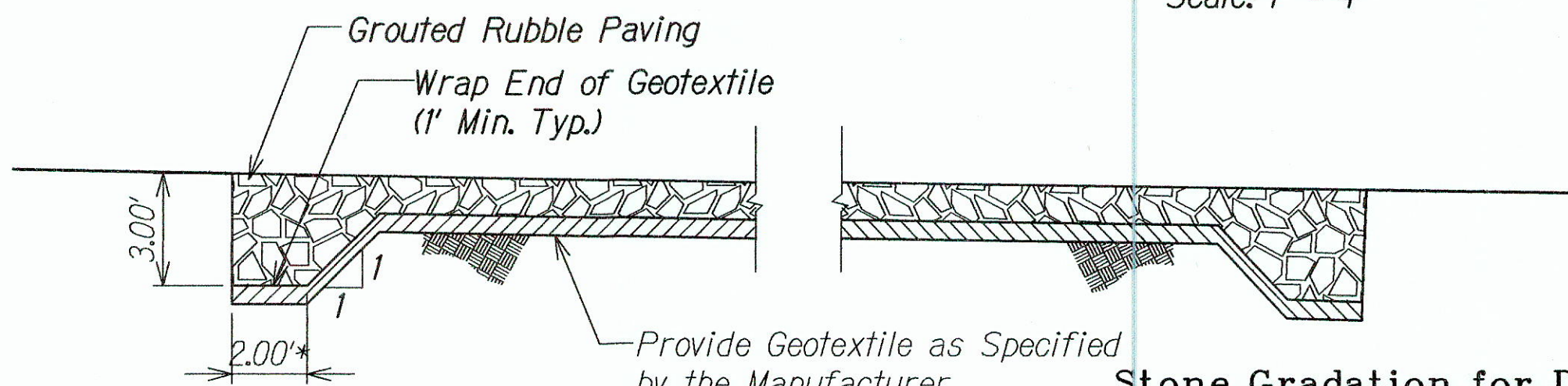
Scale: 1" = 4'



* Thickness may vary frp, 2' to 3' due to Exist. Conc. Footing and Coral Ledger/Shelf per Field Change No. 19

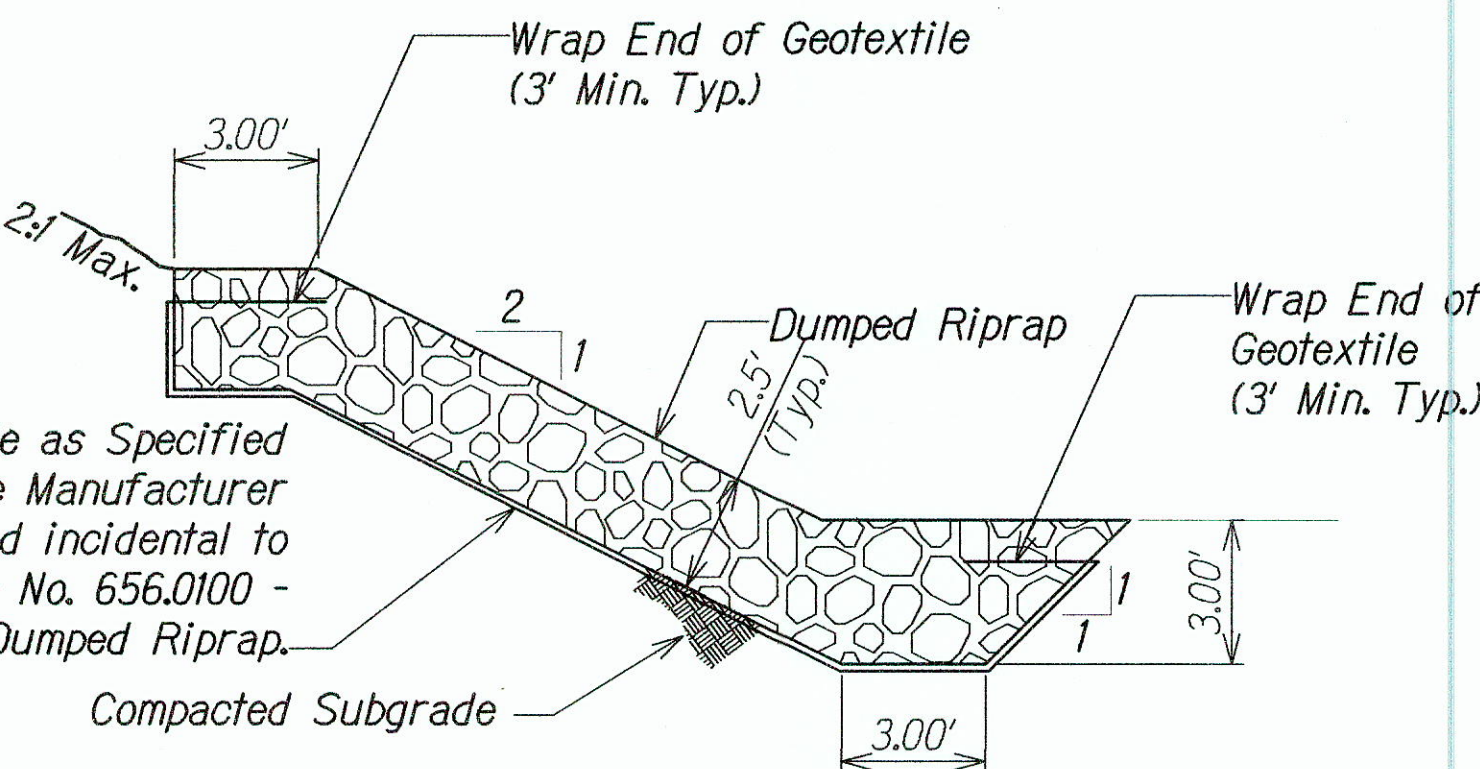
Section "B-B"

Scale: 1" = 4'



Section "C-C"

Scale: 1" = 4'



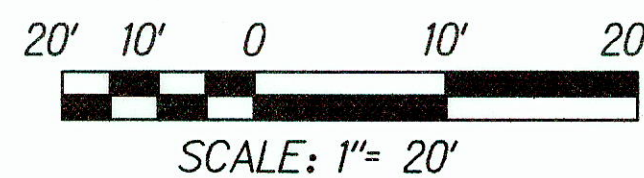
Section "D"

Scale: 1" = 4'

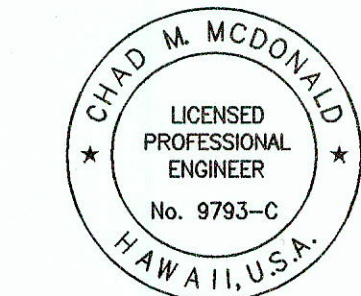
LEGEND FOR AS-BUILT POSTING	
	Squiggly line for as-built deletion
	Double line for as-built deletion
	Text for as-built posting

Stone Size (lbs)	Percent of Stone (smaller than)
200	100
100	50
5	10

GRAPHIC SCALE:



3/11/05	1 Note Revised or Added, Added Detail
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION KAMEHAMEHA HIGHWAY BRIDGE PLAN-2 KAMEHAMEHA HIGHWAY REPLACEMENT OF KOKOLOLO STREAM BRIDGE Federal Aid Project No. BR-083-1(50) Scale: As Noted Date: August 2004	
SHEET No. C-14 OF 51 SHEETS	



This work was prepared by me or under my supervision

Chad M. McDonald
 4/30/2014
 MITSUNAGA & ASSOCIATES, INC. EXP. DATE

NOTE: Contractor to check and verify dimensions at job before proceeding with work.

"AS-BUILT"

ADD.16