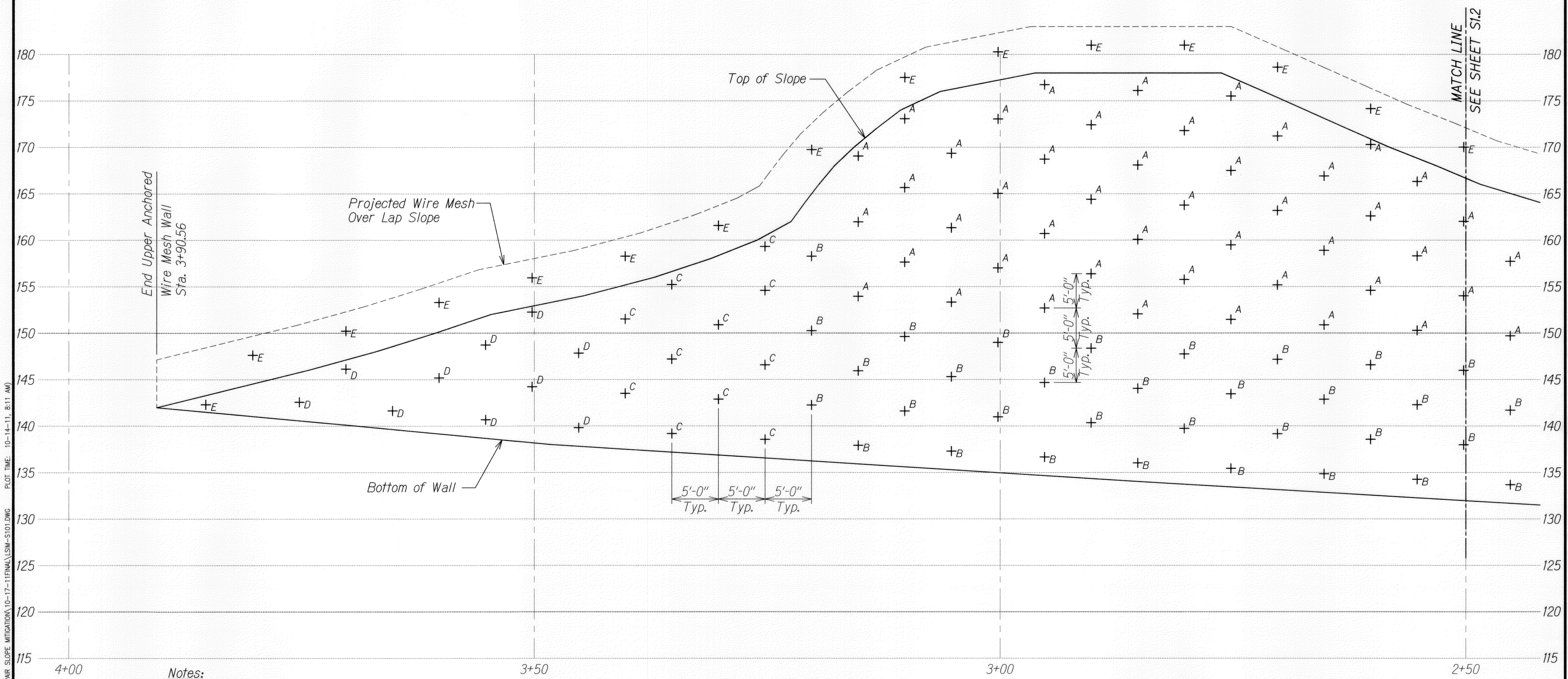


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	560A-02-12	2012	26	36

FINAL



- Notes:
1. For anchor type (A, B, C, D, or E) and anchor location see soil and/or rock anchor schedule on sheet S2.1.
 2. Vertical dimensions measured along cut slope, See S2.2

UPPER ANCHOR WIRE MESH WALL ELEVATION

Scale: 3/16" = 1'-0"

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

DRAWING NAME: Z:\00 ONGOING\10-031-LUMAHAI EMER REPAIR SLOPE MITIGATION\10-17-11\FINAL\LSM-S101.DWG PLOT TIME: 10-14-11, 8:11 AM

CLAYTON S. MINUZA
LICENSED PROFESSIONAL ENGINEER
NO. 4176-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE: *Clayton S. Minuza* APRIL 30, 2012 LIC. EXP. DATE

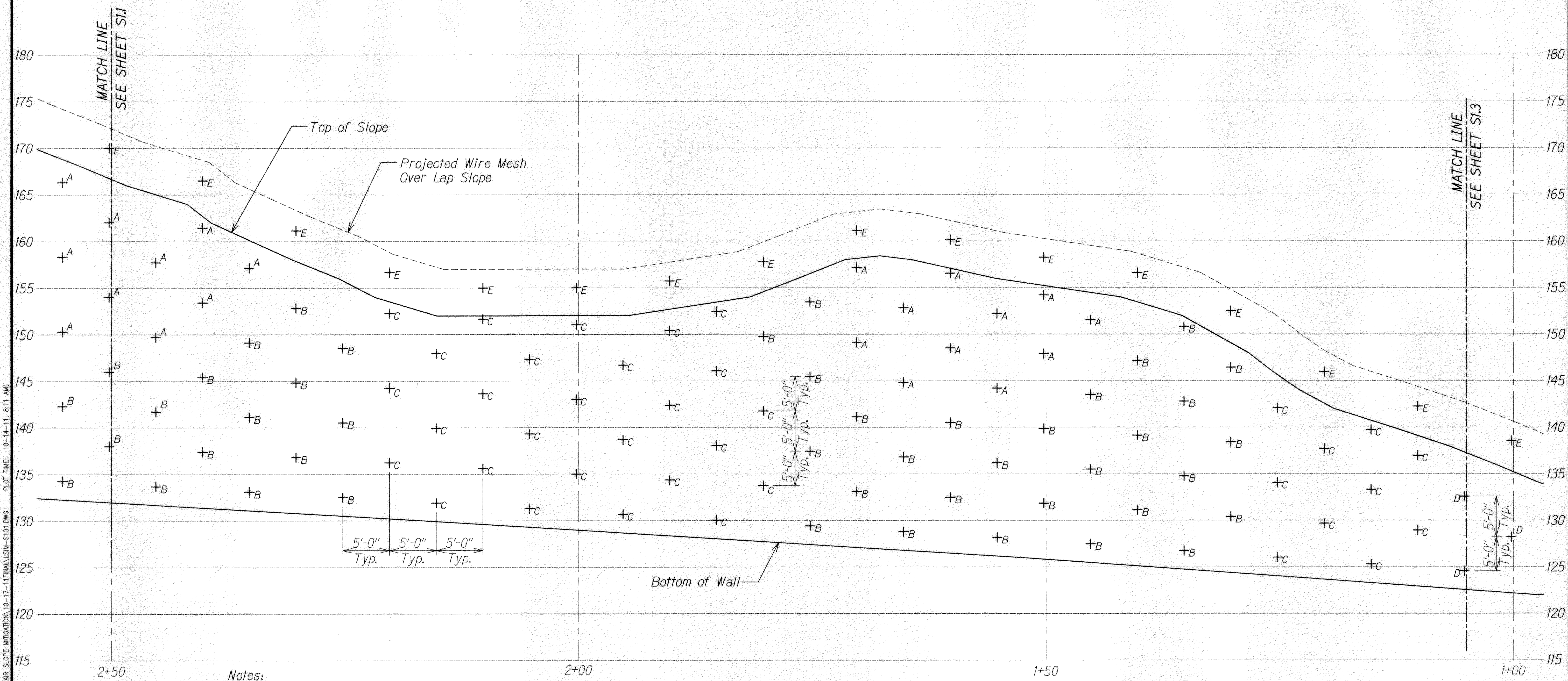
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
UPPER ANCHOR WIRE MESH WALL ELEVATION
STA. 3+90.56 TO STA. 2+50
KUHIO HIGHWAY EMERGENCY SLOPE REPAIRS
Vicinity of Lumahai
Project No. 560A-02-12

Scale: As Shown Date: Oct. 17, 2011

SHEET No. S11 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	560A-02-12	2012	27	36

FINAL

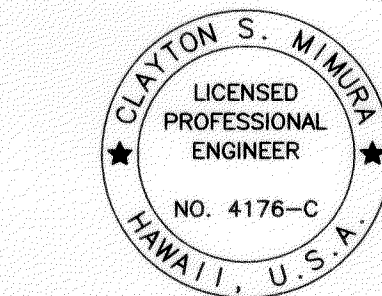


- Notes:
1. For anchor type (A, B, C, D, or E) and anchor location see soil and/or rock anchor schedule on sheet S2.1.
 2. Vertical dimensions measured along cut slope, See S2.2

UPPER ANCHOR WIRE MESH WALL ELEVATION Scale: 3/16" = 1'-0"

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No.	DESIGNED BY	
	CHECKED BY	

DRAWING NAME: Z:\00 ONGOING\10-031-LUMAHAI EMER REPAIR SLOPE MITIGATION\10-17-11\FINAL\LSM-S101.DWG PLOT TIME: 10-14-11, 8:11 AM



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Clayton S. Minura
SIGNATURE

APRIL 30, 2012
LIC. EXP. DATE

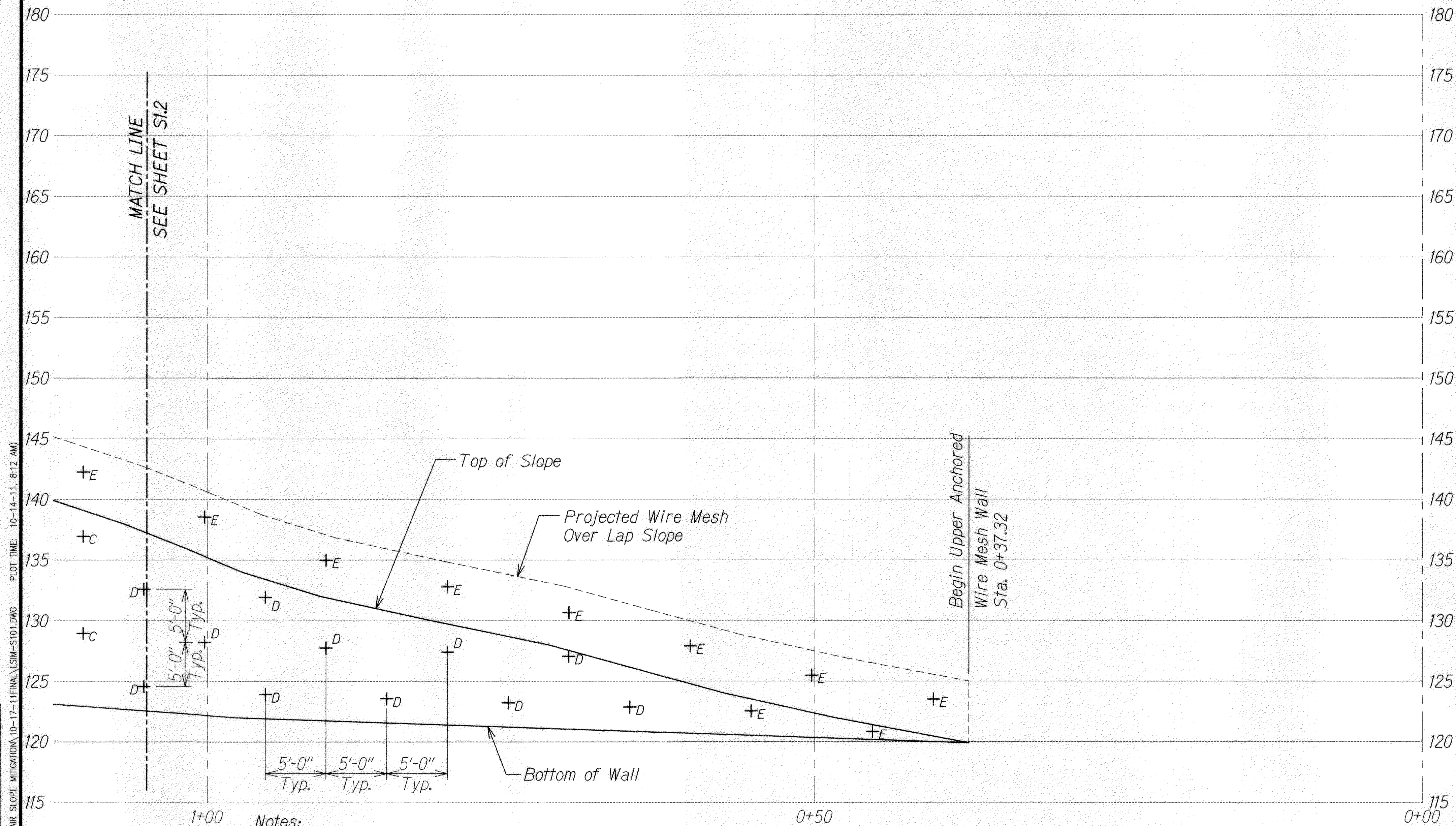
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
UPPER ANCHOR WIRE MESH WALL ELEVATION
STA. 2+50 TO STA. 1+05
KUHI0 HIGHWAY EMERGENCY SLOPE REPAIRS
Vicinity of Lumahai
Project No. 560A-02-12

Scale: As Shown
Date: Oct. 17, 2011

SHEET No. S1.2 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	560A-02-12	2012	28	36

FINAL



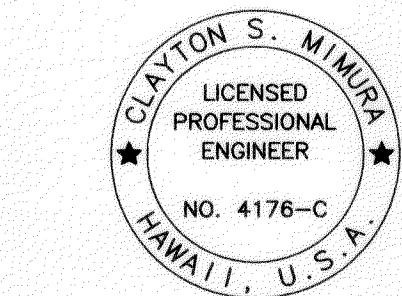
- Notes:
1. For anchor type (A, B, C, D, or E) and anchor location see soil and/or rock anchor schedule on sheet S2.1.
 2. Vertical dimensions measured along cut slope, See S2.2

UPPER ANCHOR WIRE MESH WALL ELEVATION

Scale: 3/16" = 1'-0"

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	
No.		

DRAWING NAME: 21.00 ONGOING 10-031-LUMAHAI EMER REPAIR SLOPE MITIGATION 10-17-11 FINAL LSIM-S101.DWG PLOT TIME: 10-14-11, 8:12 AM

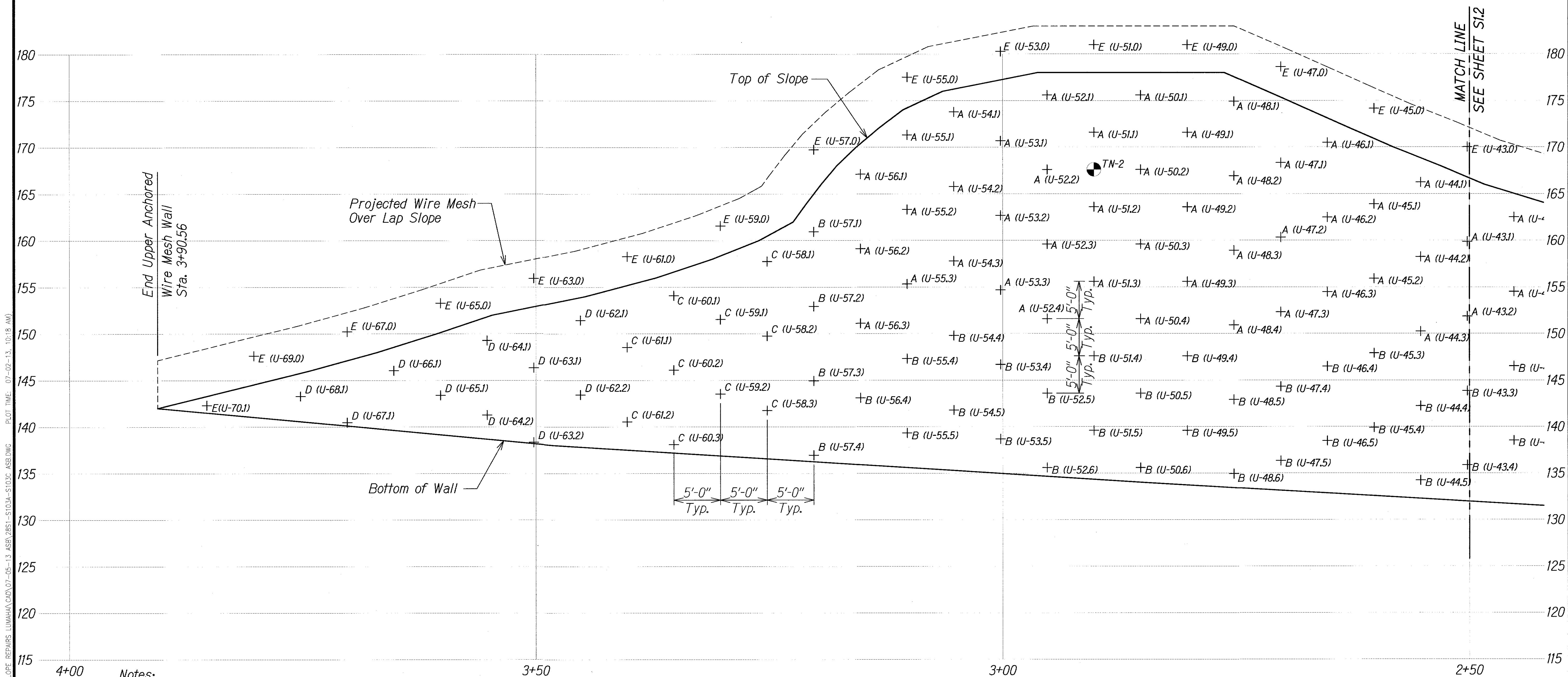


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SIGNATURE APRIL 30, 2012
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
UPPER ANCHOR WIRE MESH WALL ELEVATION
STA. 1+05 TO STA. 0+37.32
KUHI0 HIGHWAY EMERGENCY SLOPE REPAIRS
Vicinity of Lumahai
Project No. 560A-02-12
Scale: As Shown Date: Oct. 17, 2011
SHEET No. S1.3 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	560A-02-12	2012	28S-1	36

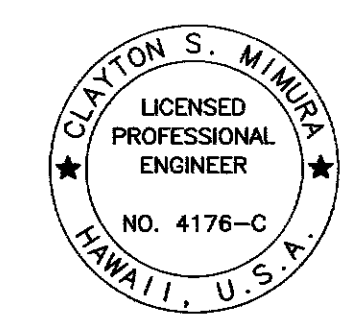
FINAL



- Notes:**
1. For anchor type (A, B, C, D, or E) and anchor location see soil and/or rock anchor schedule on sheet S2.1.
 2. Vertical dimensions measured along cut slope, See S2.2
 3. Sacrificial test nails (TN) shall be installed and tested prior to production nail installation.

**UPPER ANCHOR WIRE MESH WALL
SOIL NAIL IDENTIFICATION PLAN 3**
Scale: 3/16" = 1'-0"

ORIGINAL PLAN	DATE
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.
[Signature]
SIGNATURE DATE: APRIL 30, 2014
LIC. EXP. DATE

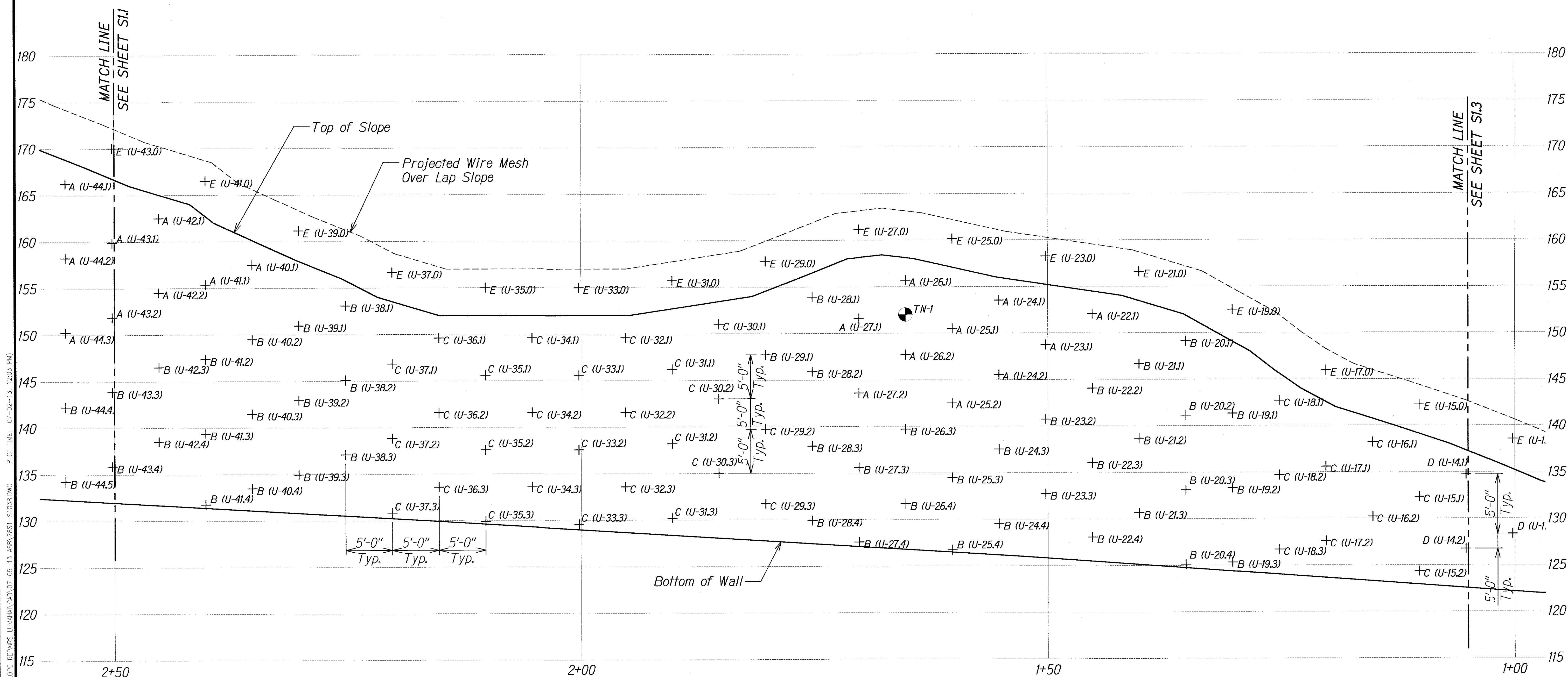
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
UPPER ANCHOR WIRE MESH WALL
SOIL NAIL IDENTIFICATION PLAN 3
KUHIU HIGHWAY EMERGENCY SLOPE REPAIRS
Vicinity of Lumahai
Project No. 560A-02-12
Scale: As Shown Date: Oct. 17, 2011
SHEET No. S13A OF 3 SHEETS

"AS-BUILT"

28S-1

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	560A-02-12	2012	28S-2	36

FINAL



- Notes:
1. For anchor type (A, B, C, D, or E) and anchor location see soil and/or rock anchor schedule on sheet S2.1.
 2. Vertical dimensions measured along cut slope, See S2.2
 3. Sacrificial test nails (TN) shall be installed and tested prior to production nail installation.

UPPER ANCHOR WIRE MESH WALL
SOIL NAIL IDENTIFICATION PLAN 2
Scale: 3/16" = 1'-0"

ORIGINAL PLAN	DATE
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	
NO. 11	
NO. 12	
NO. 13	
NO. 14	
NO. 15	
NO. 16	
NO. 17	
NO. 18	
NO. 19	
NO. 20	
NO. 21	
NO. 22	
NO. 23	
NO. 24	
NO. 25	
NO. 26	
NO. 27	
NO. 28	
NO. 29	
NO. 30	
NO. 31	
NO. 32	
NO. 33	
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NO. 35	
NO. 36	
NO. 37	
NO. 38	
NO. 39	
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NO. 90	
NO. 91	
NO. 92	
NO. 93	
NO. 94	
NO. 95	
NO. 96	
NO. 97	
NO. 98	
NO. 99	
NO. 100	

CLAYTON S. MINURA
LICENSED PROFESSIONAL ENGINEER
NO. 4176-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

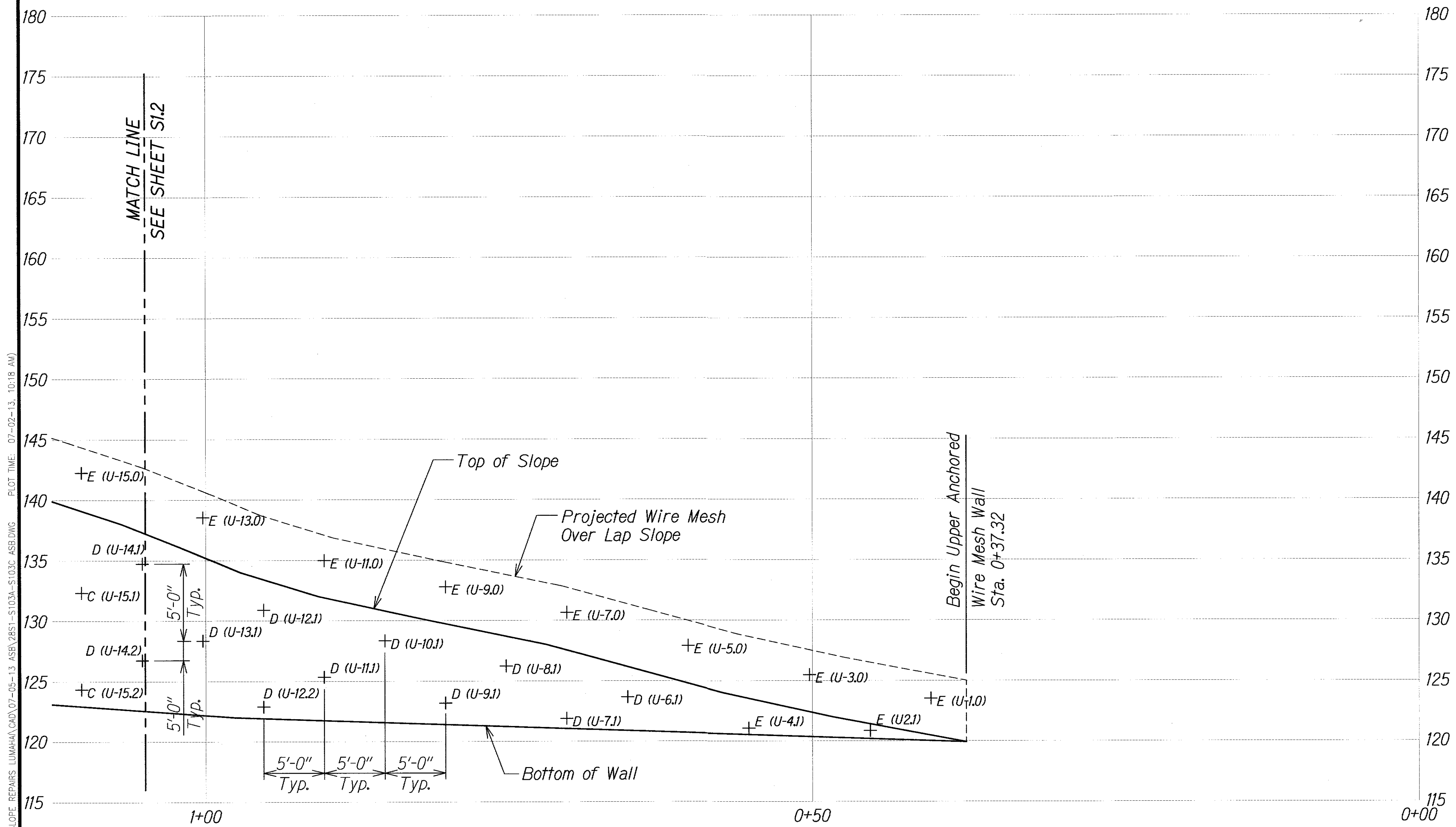
[Signature]
SIGNATURE

APRIL 30, 2014
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
UPPER ANCHOR WIRE MESH WALL
SOIL NAIL IDENTIFICATION PLAN 2
KUHIO HIGHWAY EMERGENCY SLOPE REPAIRS
Vicinity of Lumahai
Project No. 560A-02-12
Scale: As Shown Date: Oct. 17, 2011
SHEET No. S13B OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	560A-02-12	2012	28S-3	36

FINAL



- Notes:
1. For anchor type (A, B, C, D, or E) and anchor location see soil and/or rock anchor schedule on sheet S21.
 2. Vertical dimensions measured along cut slope, See S21.
 3. Sacrificial test nails (TN) shall be installed and tested prior to production nail installation.

UPPER ANCHOR WIRE MESH WALL
SOIL NAIL IDENTIFICATION PLAN 1
Scale: 3/16" = 1'-0"

CLAYTON S. MIMURA
LICENSED PROFESSIONAL ENGINEER
NO. 4176-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

APR 30, 2014
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
UPPER ANCHOR WIRE MESH WALL
SOIL NAIL IDENTIFICATION PLAN 1
KUHIO HIGHWAY EMERGENCY SLOPE REPAIRS
Vicinity of Lumahai
Project No. 560A-02-12
Scale: As Shown Date: Oct. 17, 2011
SHEET No. S13C OF 3 SHEETS

"AS-BUILT"

28S-3