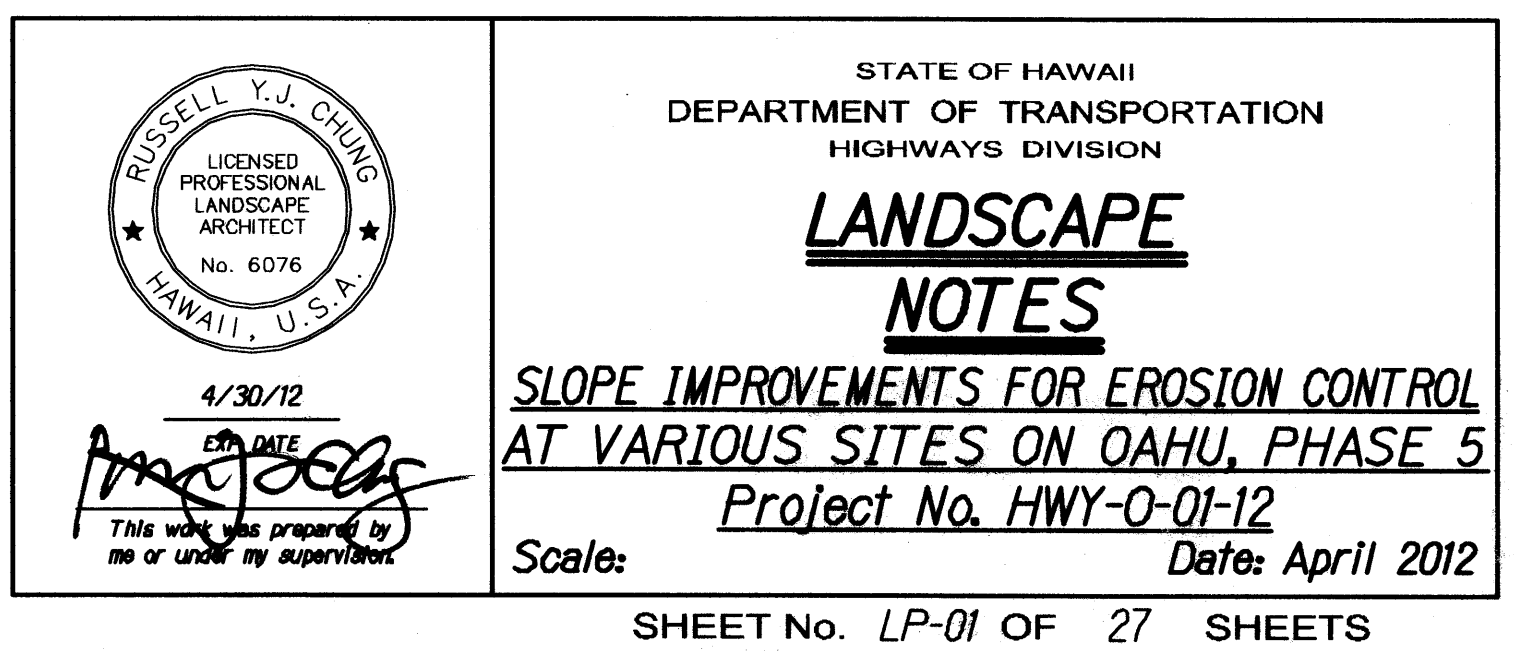


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-12	2012	72	123

1. Contractor shall field verify all plant quantities and dimensions prior to installation. Estimated quantities shown on plant list are for minimum quantities of shrubs and sod/seed that Contractor shall install. Actual quantities of shrubs and sod/seed installed in the field up to 10 percent in excess of the quantities shown on plans will be at no additional cost to the State.
2. Contractor shall be responsible for locating and protecting existing utilities.
3. Prior to augering shrub hole, all planting locations shall be staked out by Contractor for acceptance by Engineer. Do not plant until ground has been prepared and site is neat, orderly, and the Engineer accepts site for planting.
4. Notify Engineer of any discrepancies in plant locations, or plant quantities if quantities will exceed that indicated in Note 1 above.
5. Notify Engineer 30 days prior to planting operations for acceptance of all plant material at place of growth. All plant material not accepted by the Engineer will be subject to rejection.
6. The Engineer will inspect plants at the place of growth and after the delivery to the project.
7. Plants shall meet size indicated by minimum height and spread. Plants shall be straight and uniformly shaped, unless unique or special characteristics are specified, and shall be undamaged, sound, healthy, vigorous and free of disease and insect infestation. Plants not conforming to these requirements on delivery to the project and at the end of the plant establishment period will be rejected.
8. Contractor shall be solely responsible for the complete removal and damages resulting from planting any plant species listed on the Hawaii Department of Agriculture 'Noxious Weed Rules' as defined in the statute, Hawaii Administrative Rules 4:68:I or the 'Federal Noxious Weed List' as defined in Title 7 of the Code of Federal Regulations (CFR), parts 360 and 361.
9. All tree work must adhere to American National Standard Institute (or ANSI) - a300 Tree Care Standards and ANSI-z133 safety standards for tree work. Work shall be contracted to arborists that has been certified in good standings as an ISA certified arborist for at least 5 years to assure that tree work is performed properly and trees are not damaged by practices such as topping, flush cuts, over-thinning, or climbing with spikes. Contractor shall submit a copy of the ISA arborist certification of good standing of 5 years to the Engineer minimum 7 days prior to tree pruning.
10. For the duration of construction within the drip line of trees to remain there must be: no changes, alterations or disturbance to the grade by adding fill, excavating or scraping except as noted on plans; no storage of construction material or equipment; no stockpiling of any construction material or any excavated material no disposal of any liquids (E.G. Concrete sleuth, gas, oil, paint); no vehicular traffic, equipment or excessive pedestrian traffic no attachment of any wires, ropes, lights, or any other such attachment other than those of protective nature to any tree to be preserved; and no cleaning of equipment or material under the canopy of any tree or group of trees to remain.
11. Provide and incorporate a two-inch layer of organic amendments. Representative samples of soil from project site shall be submitted to the University of Hawaii Agricultural Extension Service or laboratory acceptable to the Engineer for analysis of required soil amendments. Test results and fertilization schedule shall be presented to the Engineer for review and acceptance before placing planting soil. Uniformly distribute fertilizer and amendments over planting areas as recommended by the soil analysis report. Till top six-inches of soil to evenly incorporate fertilizer and amendments.
12. Guy wires, flagging, stakes, windbreakers, etc. shall be maintained and replaced if necessary by the Contractor until the shrub is able to stand by itself. The Contractor shall remove and dispose of these items at the end of plant establishment period.
13. Any planting that obstructs sight distance, signs or traffic lights shall be relocated or removed as determined by the Engineer.
14. Provide water for all plant material for the duration of the project, including plant establishment period. Water trees, shrubs, and vetiver grass rows as well as all grassed areas. Water for planting shall not cause erosion damage to the slopes. The Contractor shall be responsible for repairing any damage cause by the watering of plants. The Contractor shall gradually decrease the amount of water being provided to the plant material 8 weeks prior to final acceptance of plantings.
15. Contractor shall backfill vetiver planting holes with organic compost.

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
NOTE BOOK	DRAWN BY _____ *
	TRACED BY _____ *
	DESIGNED BY _____ *
	QUANTITIES BY _____ *
No. _____	CHECKED BY _____

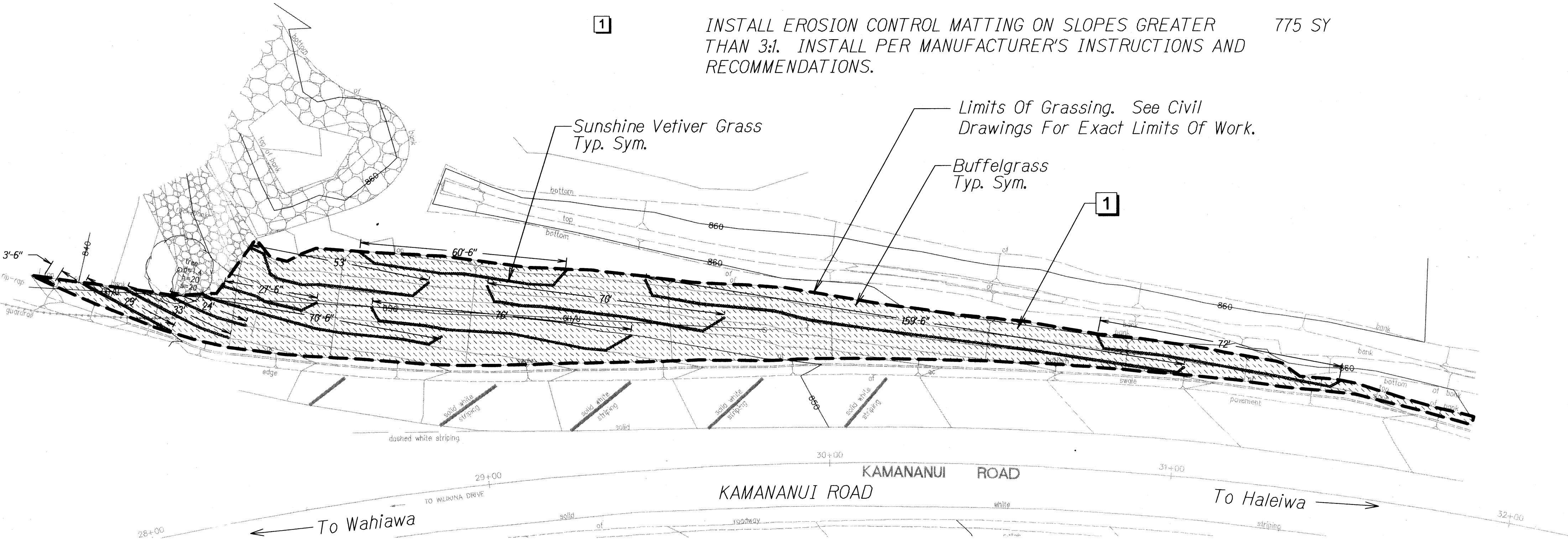
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FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-12	2012	73	123

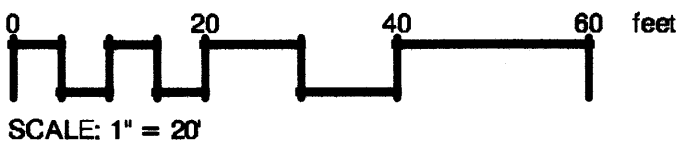
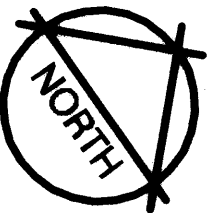
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SYMBOL	DESCRIPTION	QTY
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ORIGINAL PLAN	SURVEY PLATTED BY	DATE
NOTE BOOK	DRAWN BY	
	TRACED BY	
	QUANTITIES BY	
	CHECKED BY	

LP-02 SITE 01/05/2012 1/31/2012 4:20 PM





4/30/12
DATE

Russell Y.J. Chung
This work was prepared by me or under my supervision.

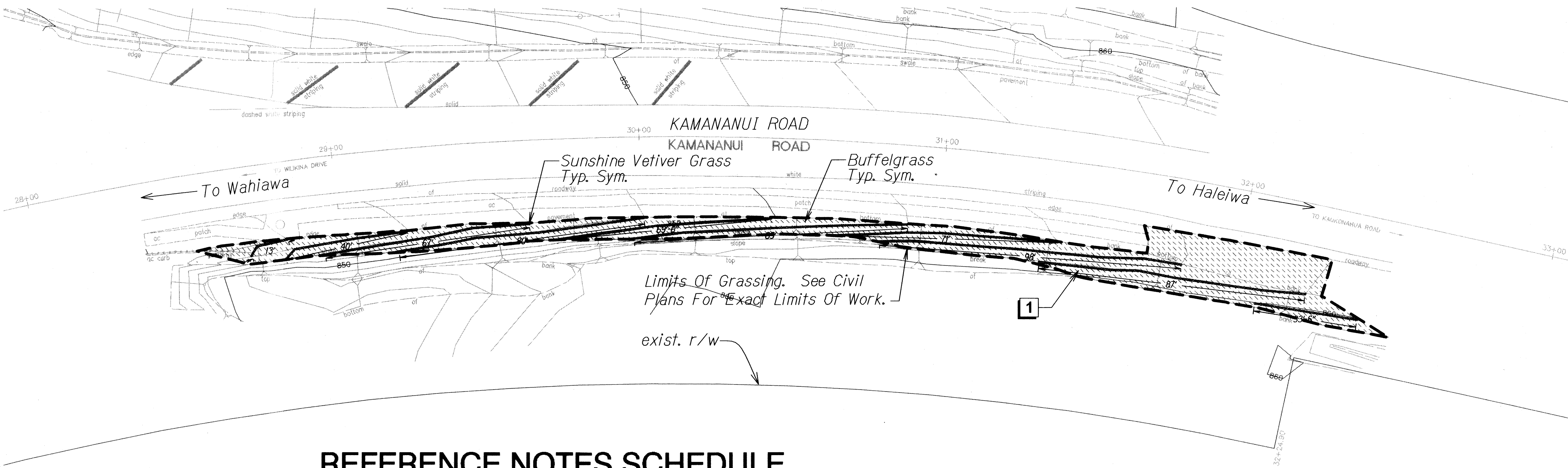
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LANDSCAPE PLANTING PLAN
SITE 1
SLOPE IMPROVEMENTS FOR EROSION CONTROL
AT VARIOUS SITES ON OAHU, PHASE 5
Project No. HWY-O-01-12
Date: April 2012

Scale: _____

SHEET No. LP-02 OF 27 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-12	2012	74	123

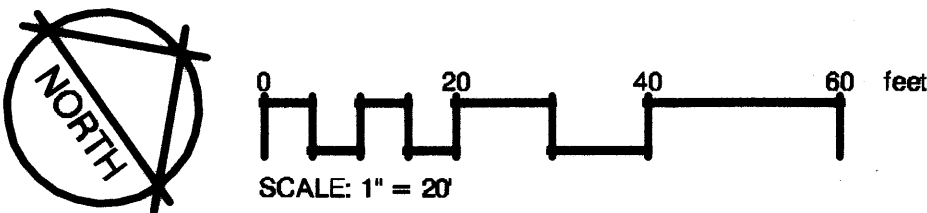


REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	QTY
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ORIGINAL PLAN	SURVEY PLATTED BY	DATE
NOTE BOOK	DRAWN BY	
	QUANTITIES BY	
	CHECKED BY	

LP-03 SITE 02 PLANTING 1/18/2012 4:05 PM



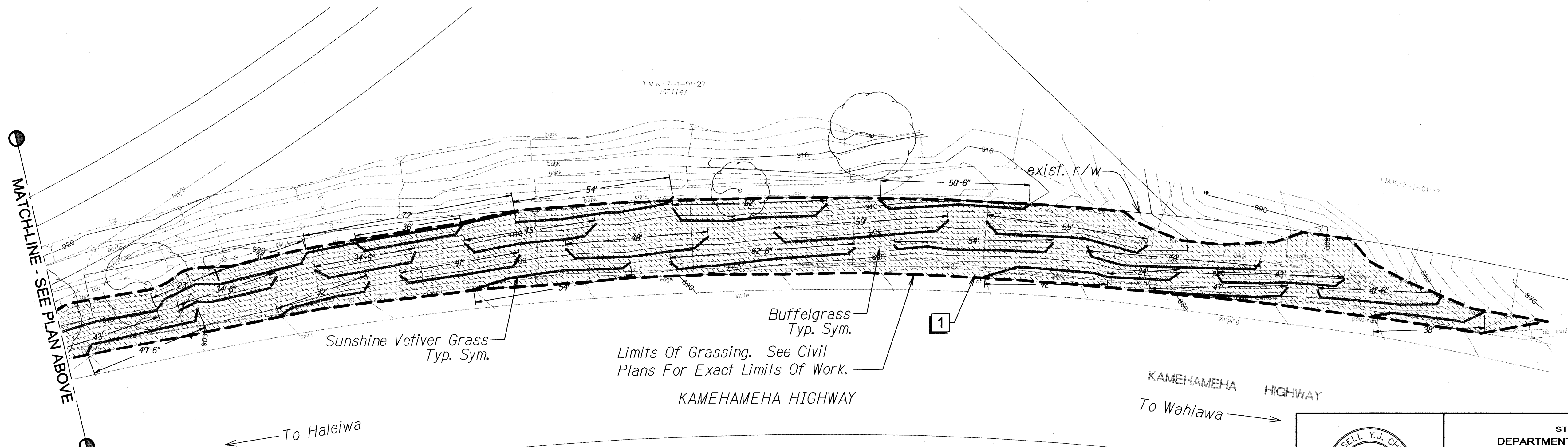
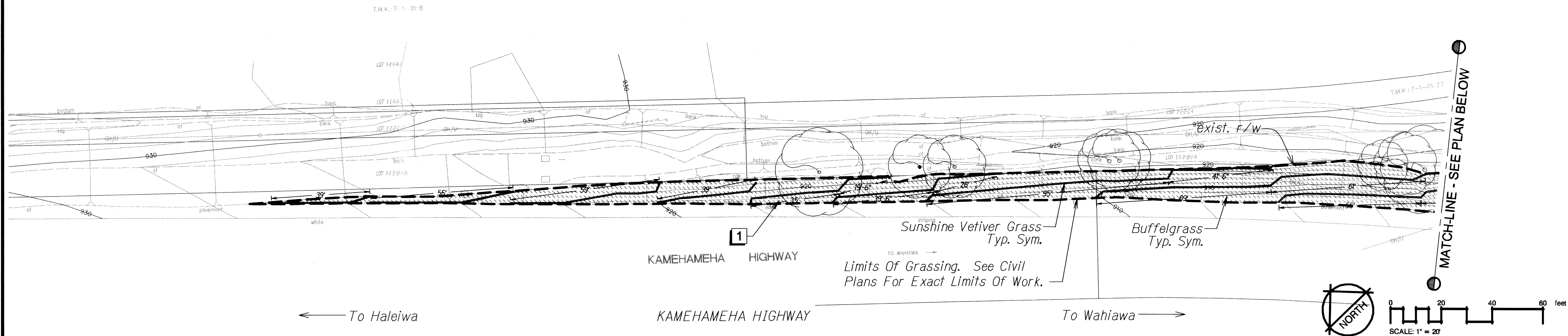
4/30/12
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LANDSCAPE PLANTING PLAN
SITE 2
SLOPE IMPROVEMENTS FOR EROSION CONTROL
AT VARIOUS SITES ON OAHU, PHASE 5
Project No. HWY-O-01-12
Date: April 2012

Scale: SHEET No. LP-03 OF 27 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-12	2012	75	123



REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	QTY
1	INSTALL EROSION CONTROL MATTING ON SLOPES GREATER THAN 3:1. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.	1,700 SY

ORIGINAL PLAN	DATE
DRAWN BY	
CHECKED BY	
NOTE BOOK	
QUANTITY BY	
CHECKED BY	

LP-04 SITE-03-PL-05-00-00-00 1/31/2012 4:55:56 PM

RUSSELL Y.J. CHUNG
LICENSED PROFESSIONAL LANDSCAPE ARCHITECT
No. 6076
HAWAII, U.S.A.

4/30/12
DATE

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LANDSCAPE PLANTING PLAN

SITE 3

SLOPE IMPROVEMENTS FOR EROSION CONTROL AT VARIOUS SITES ON OAHU, PHASE 5

Project No. HWY-O-01-12

Scale: _____ Date: April 2012

SHEET No. LP-04 OF 27 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-12	2012	76	123

REFERENCE NOTES SCHEDULE

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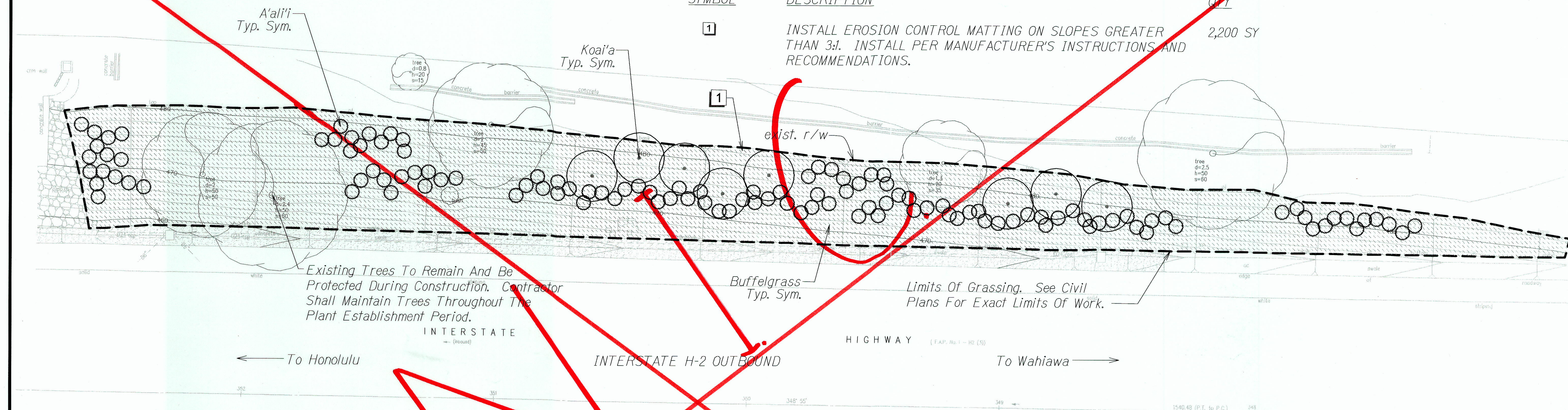
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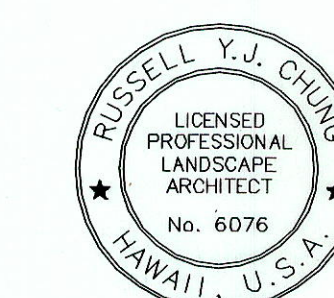
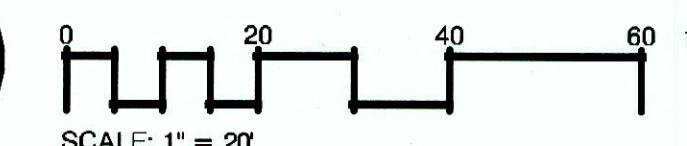
QTY

2,200 SY



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
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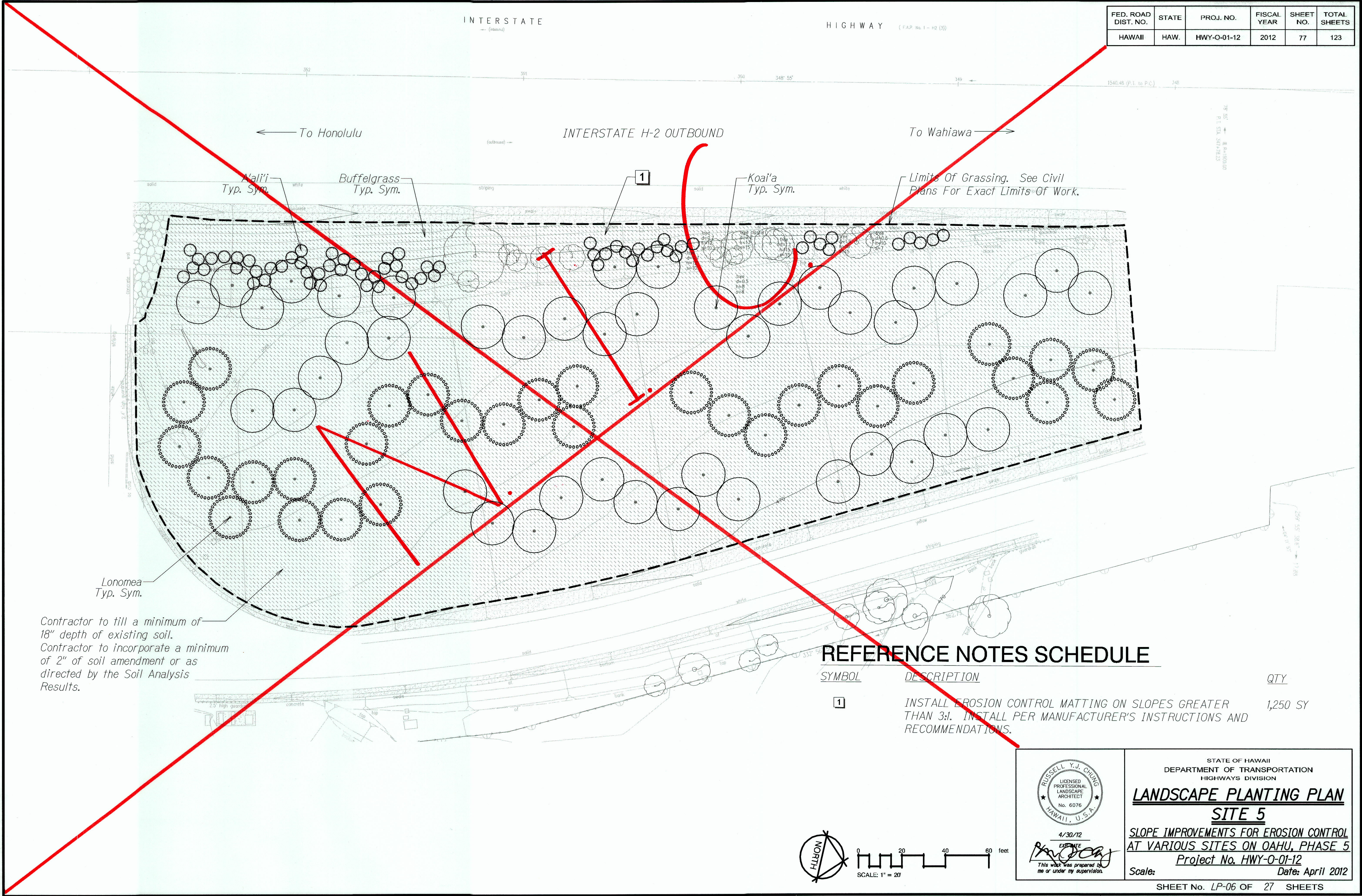
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EXP. DATE
This work was prepared by me or under my supervision

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
LANDSCAPE PLANTING PLAN
SITE 4
SLOPE IMPROVEMENTS FOR EROSION CONTROL
AT VARIOUS SITES ON OAHU, PHASE 5
Project No. HWY-O-01-12
Scale: Date: April 2012

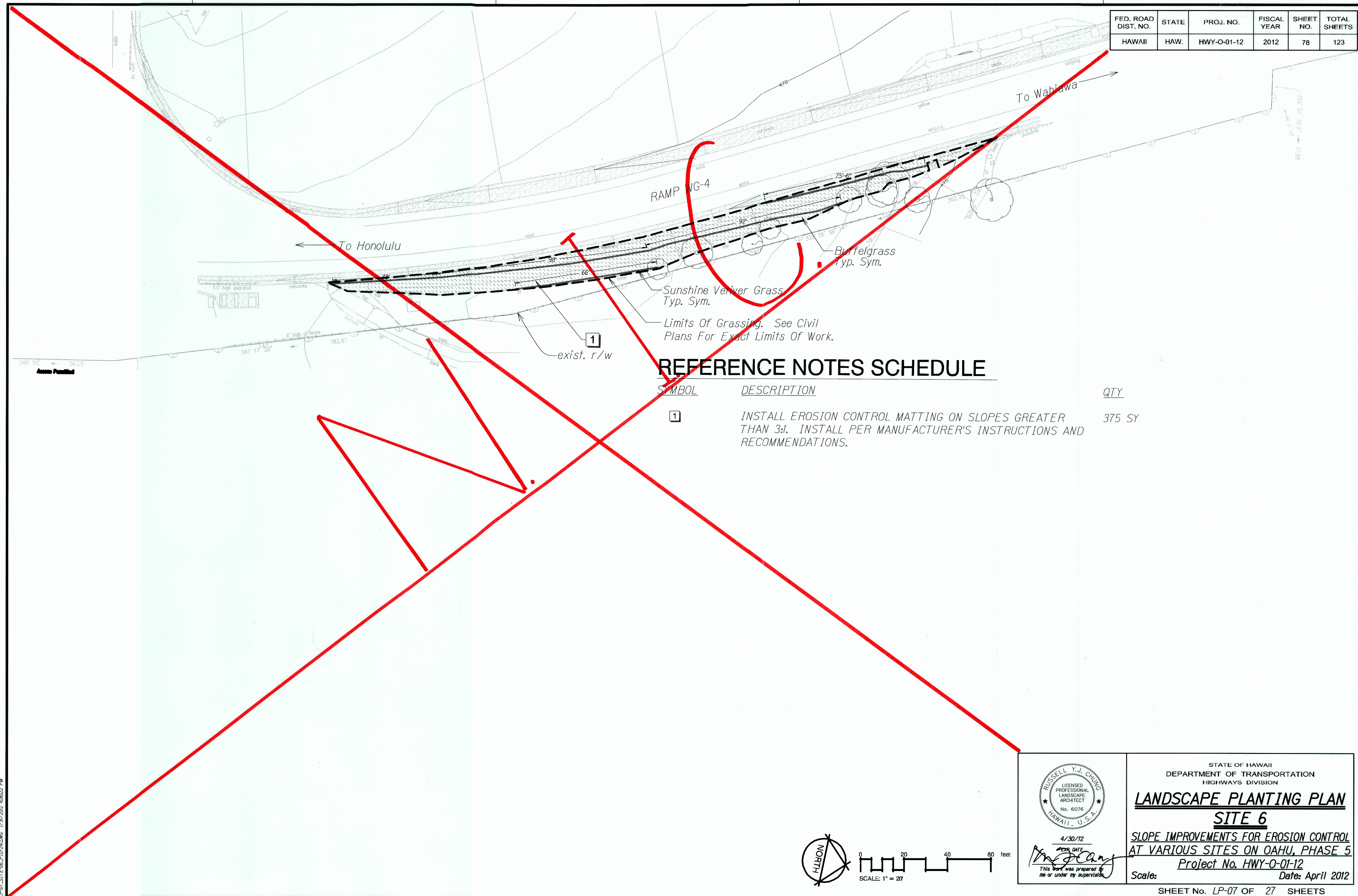
SHEET No. LP-05 OF 27 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-12	2012	77	123



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-12	2012	78	123

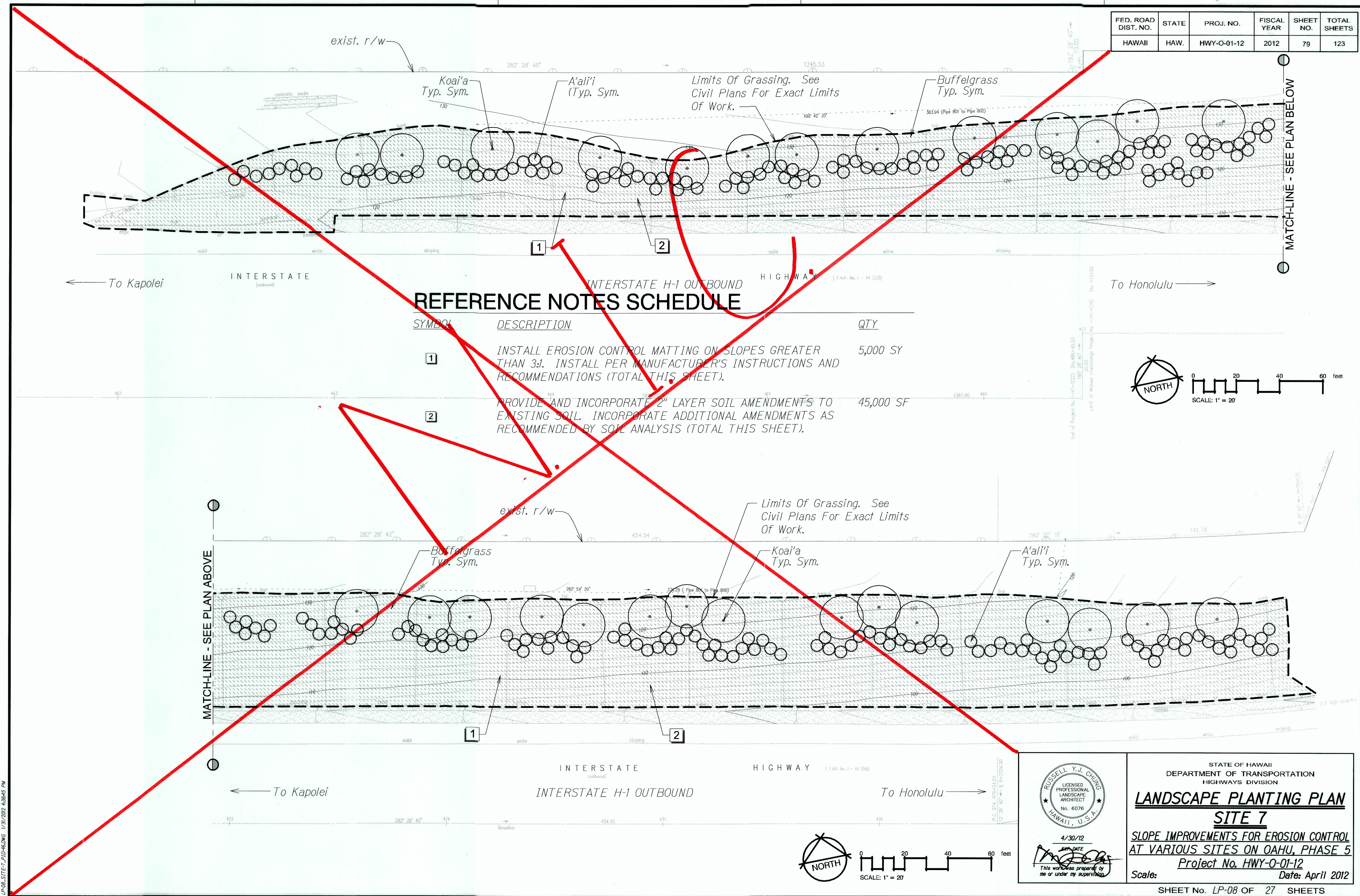


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DESIGNED BY	
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NOTED BY	
DATE	

LP-07 SITE 06 PLOTTING 1/27/2012 4:56:02 PM

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
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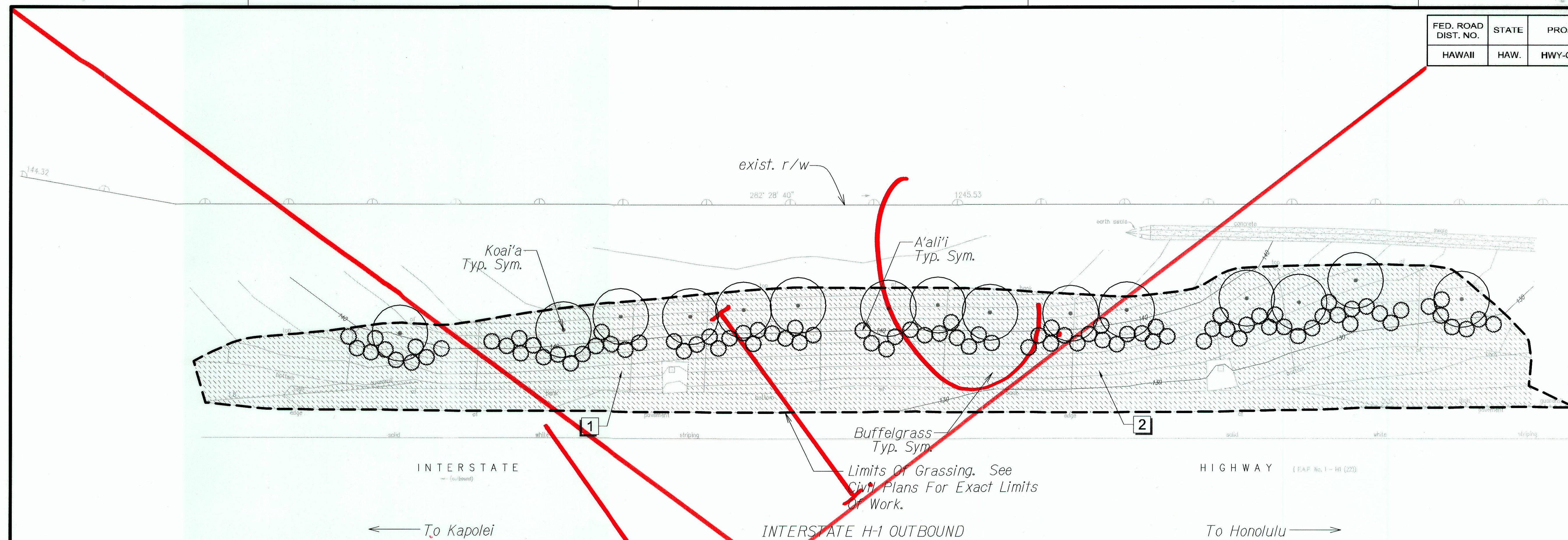


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NOTED BY	
DATE	

LP-08 SITE 7 - 12/10/2012 4:38:46 PM

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-12	2012	80	123

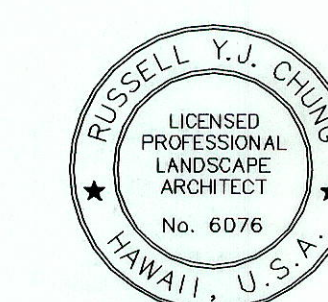
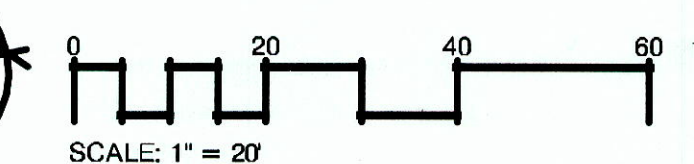


REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	QTY
1	INSTALL EROSION CONTROL MATTING ON SLOPES GREATER THAN 3:1. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS (TOTAL THIS SHEET).	2,115 SY
2	PROVIDE AND INCORPORATE 2" LAYER SOIL AMENDMENTS TO EXISTING SOIL. INCORPORATE ADDITIONAL AMENDMENTS AS RECOMMENDED BY SOIL ANALYSIS (TOTAL THIS SHEET).	19,000 SF

ORIGINAL PLAN	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NOTED BY	
DATE	

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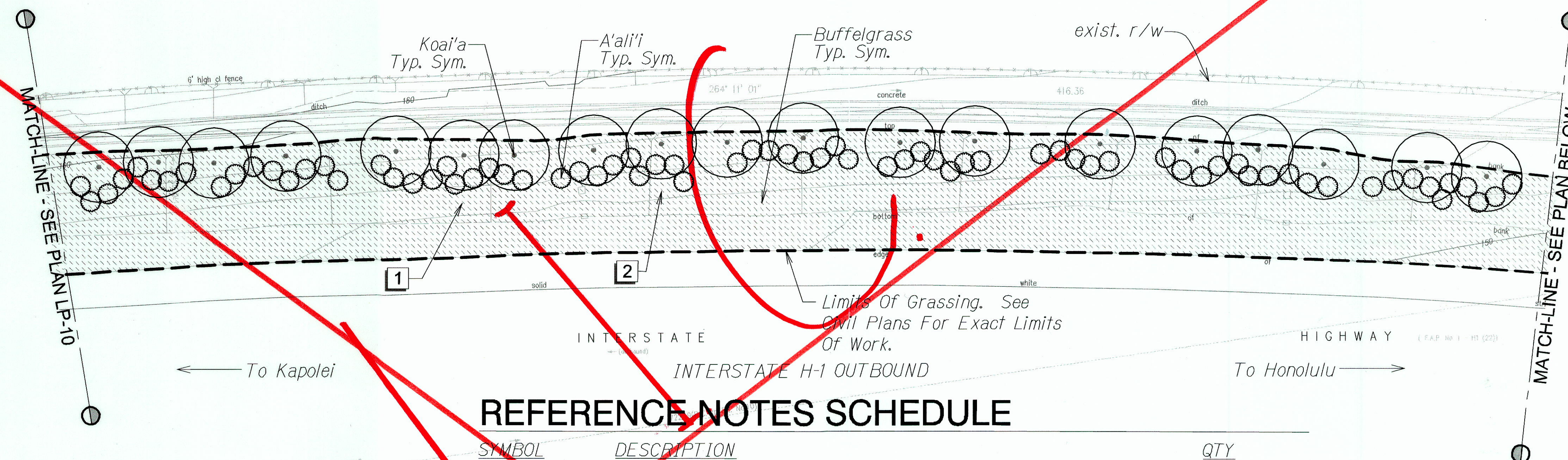
4/30/12
 DATE
 This work was prepared by me or under my supervision.

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
LANDSCAPE PLANTING PLAN
SITE 8
 SLOPE IMPROVEMENTS FOR EROSION CONTROL
 AT VARIOUS SITES ON OAHU, PHASE 5
 Project No. HWY-O-01-12
 Date: April 2012

SHEET No. LP-09 OF 27 SHEETS

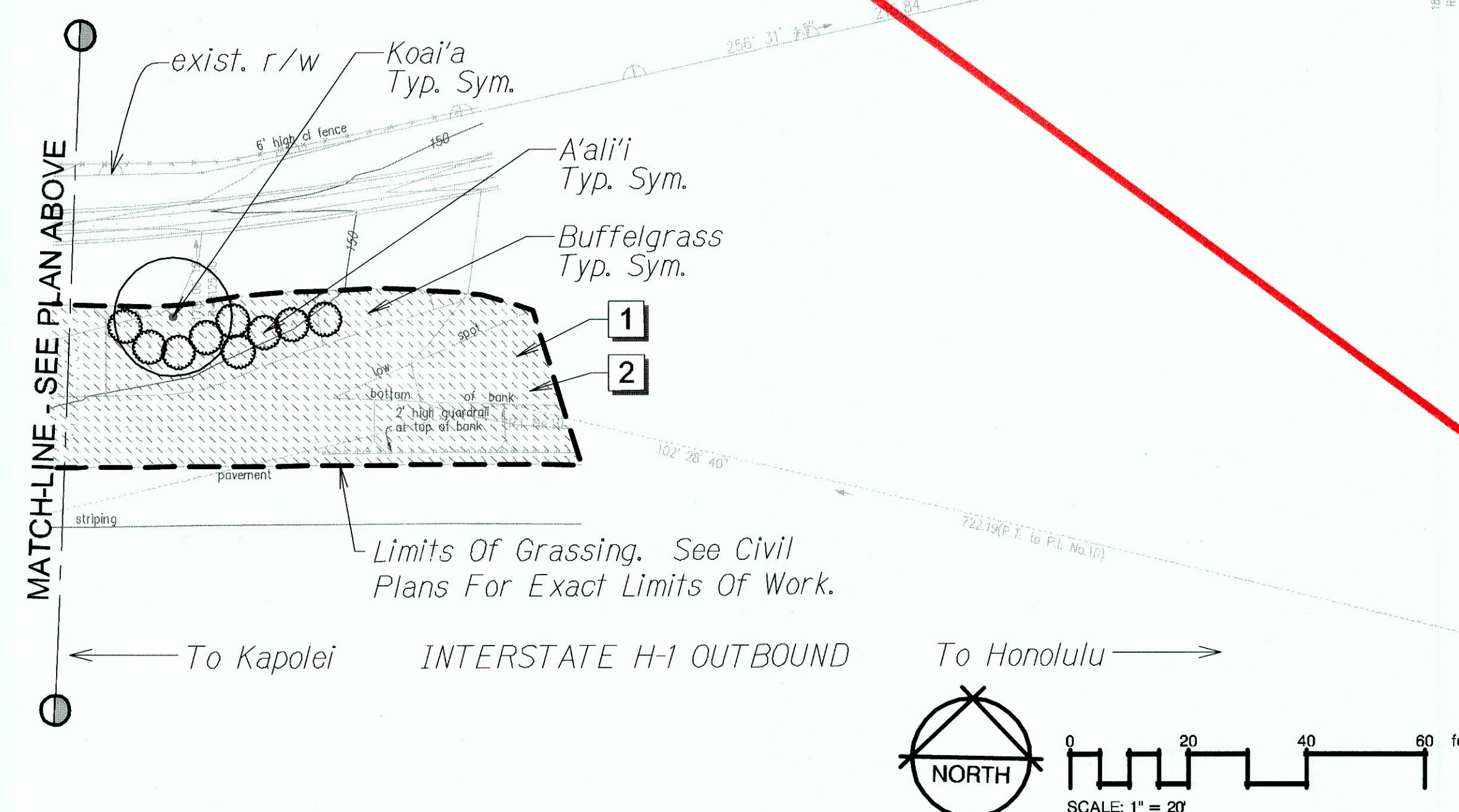
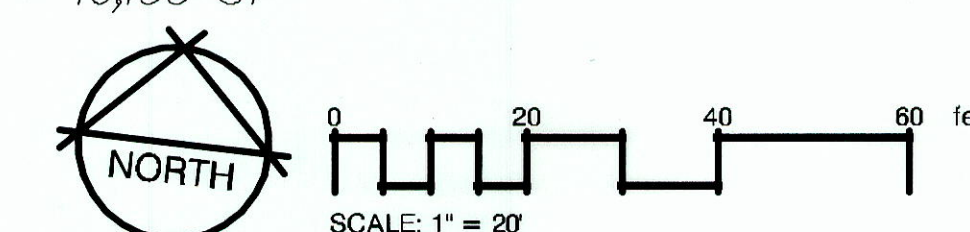
"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-12	2012	82	123



REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	QTY
1	INSTALL EROSION CONTROL MATTING ON SLOPES GREATER THAN 3:1. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS (TOTAL THIS SHEET).	1,795 SY
2	PROVIDE AND INCORPORATE 2" LAYER SOIL AMENDMENTS TO EXISTING SOIL. INCORPORATE ADDITIONAL AMENDMENTS AS RECOMMENDED BY SOIL ANALYSIS (TOTAL THIS SHEET).	16,155 SF



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LANDSCAPE PLANTING PLAN
SITE 9

SLOPE IMPROVEMENTS FOR EROSION CONTROL
AT VARIOUS SITES ON OAHU, PHASE 5

Project No. HWY-O-01-12
Date: April 2012

SHEET No. LP-11 OF 27 SHEETS

RUSSELL Y.J. CHUNG
LICENSED PROFESSIONAL
LANDSCAPE ARCHITECT
No. 6076
HAWAII, U.S.A.

4/30/12

[Signature]
This work was prepared by
me or under my supervision.

DESIGNED BY	DATE
TRACED BY	
NOTED BY	
CHECKED BY	
DATE	

LP-11 SITE-09-210-55.DWG 1/31/2012 4:56:12 PM

"AS-BUILT"

exist. r/w

Koai'a
Typ. Sym.

A'ali'i
Typ. Sym.

Buffelgrass
Typ. Sym.

[1]

[2] Limits Of Grassing. See Civil Plans For Exact Limits Of Work.

To Kapolei ←

INTERSTATE H-1 OUTBOUND

→ To Honolulu

HIGHWAY (FAR No. 1 - M (22))

exist. r/w

A'ali'i
Typ. Sym.

Koai'a
Typ. Sym.

Buffelgrass
Typ. Sym.

[1]

Existing Tree To Remain And Be Protected During Construction. Contractor Shall Maintain Tree Throughout The Plant Establishment Period.

MATCH-LINE - SEE PLAN ABOVE

To Kapolei ←

← To Honolulu →

INTERSTATE H-1 OUTBOUND

REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	QTY
[1]	INSTALL EROSION CONTROL MATTING ON SLOPES GREATER THAN 3:1. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS (TOTAL THIS SHEET).	7,975 SY
[2]	PROVIDE AND INCORPORATE 2" LAYER SOIL AMENDMENTS TO EXISTING SOIL. INCORPORATE ADDITIONAL AMENDMENTS AS RECOMMENDED BY SOIL ANALYSIS (TOTAL THIS SHEET).	71,550 SF

NORTH

SCALE: 1" = 20'

RUSSELL Y.J. CHUNG
LICENSED PROFESSIONAL LANDSCAPE ARCHITECT
No. 6076
HAWAII, U.S.A.
4/30/12
DATE
Mr. [Signature]
This work was prepared me or under my supervision

The plan shows two sections of the Interstate H-1 Outbound highway. The top section is labeled 'INTERSTATE H-1 OUTBOUND' and 'To Honolulu'. The bottom section is also labeled 'INTERSTATE H-1 OUTBOUND' and 'To Kapolei'. Both sections show existing tree symbols (Koala'a, A'ali'i, Buffelgrass) and proposed erosion control matting (1) and soil amendment (2) areas. A red line indicates the 'Limits Of Grassing. See Civil Plans For Exact Limits Of Work.' A note states: 'Existing Tree To Remain And Be Protected During Construction. Contractor Shall Maintain Tree Throughout The Plant Establishment Period.' A matchline on the left indicates 'MATCHLINE - SEE PLAN ABOVE'.

SYMBOL	DESCRIPTION	QTY
1	INSTALL EROSION CONTROL MATTING ON SLOPES GREATER THAN 3:1. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS (TOTAL THIS SHEET).	7,975 SY
2	PROVIDE AND INCORPORATE 2" LAYER SOIL AMENDMENTS TO EXISTING SOIL. INCORPORATE ADDITIONAL AMENDMENTS AS RECOMMENDED BY SOIL ANALYSIS (TOTAL THIS SHEET).	71,550 SF

REFERENCE NOTES SCHEDULE

PROFESSIONAL SEAL: RUSSELL Y.J. CHUNG, LICENSED PROFESSIONAL LANDSCAPE ARCHITECT, No. 6076, HAWAII, U.S.A., 4/30/12.

SCALE: 1" = 20'

DATE: 4/30/12

THIS WORK WAS PREPARED BY OR UNDER MY SUPERVISION

The plan shows two sections of the Interstate H-1 Outbound highway. The top section is labeled 'INTERSTATE H-1 OUTBOUND' and 'To Honolulu'. The bottom section is also labeled 'INTERSTATE H-1 OUTBOUND' and 'To Kapolei'. Both sections show existing tree symbols (Koala'a, A'ali'i, Buffelgrass) and proposed erosion control matting (1) and soil amendment (2) areas. A red line indicates the 'Limits Of Grassing. See Civil Plans For Exact Limits Of Work.' A note states: 'Existing Tree To Remain And Be Protected During Construction. Contractor Shall Maintain Tree Throughout The Plant Establishment Period.' A matchline on the left indicates 'MATCHLINE - SEE PLAN ABOVE'.

SYMBOL	DESCRIPTION	QTY
1	INSTALL EROSION CONTROL MATTING ON SLOPES GREATER THAN 3:1. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS (TOTAL THIS SHEET).	7,975 SY
2	PROVIDE AND INCORPORATE 2" LAYER SOIL AMENDMENTS TO EXISTING SOIL. INCORPORATE ADDITIONAL AMENDMENTS AS RECOMMENDED BY SOIL ANALYSIS (TOTAL THIS SHEET).	71,550 SF

REFERENCE NOTES SCHEDULE

PROFESSIONAL SEAL: RUSSELL Y.J. CHUNG, LICENSED PROFESSIONAL LANDSCAPE ARCHITECT, No. 6076, HAWAII, U.S.A., 4/30/12.

SCALE: 1" = 20'

DATE: 4/30/12

BY: [Signature]

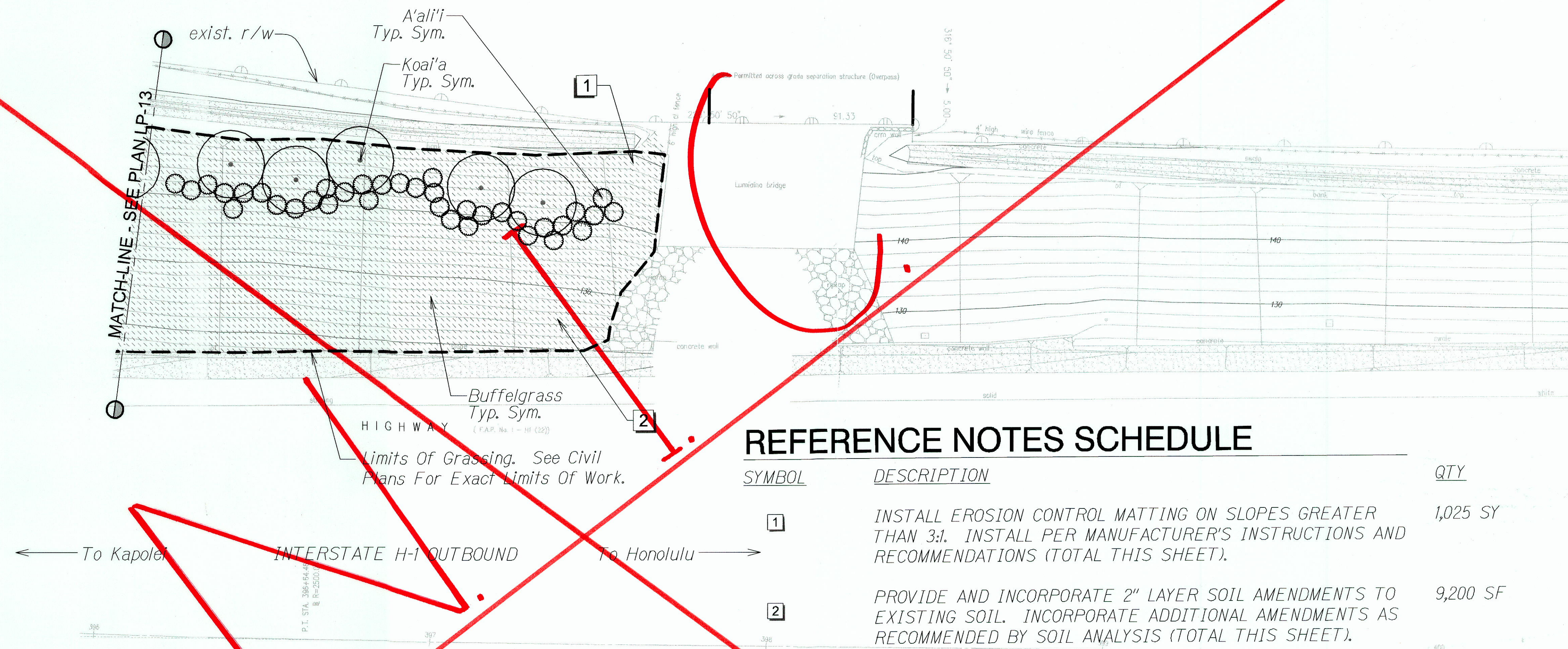
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	QTY
1	INSTALL EROSION CONTROL MATTING ON SLOPES GREATER THAN 3:1. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS (TOTAL THIS SHEET).	7,975 SY
2	PROVIDE AND INCORPORATE 2" LAYER SOIL AMENDMENTS TO EXISTING SOIL. INCORPORATE ADDITIONAL AMENDMENTS AS RECOMMENDED BY SOIL ANALYSIS (TOTAL THIS SHEET).	71,550 SF

RUSSELL Y.J. CHUNG
LICENSED PROFESSIONAL LANDSCAPE ARCHITECT
No. 6076
HAWAII, U.S.A.
DATE: 4/30/12
This work was prepared by or under my supervision.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-12	2012	85	123

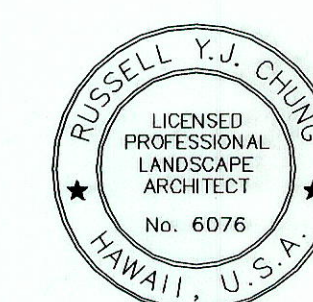
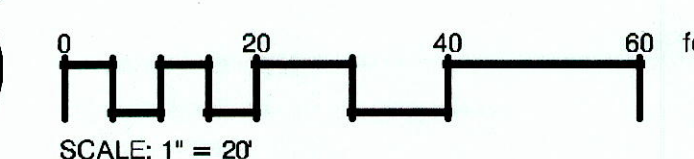


REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	QTY
1	INSTALL EROSION CONTROL MATTING ON SLOPES GREATER THAN 3:1. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS (TOTAL THIS SHEET).	1,025 SY
2	PROVIDE AND INCORPORATE 2" LAYER SOIL AMENDMENTS TO EXISTING SOIL. INCORPORATE ADDITIONAL AMENDMENTS AS RECOMMENDED BY SOIL ANALYSIS (TOTAL THIS SHEET).	9,200 SF

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	TRACED BY	
QUANTITIES BY	DESIGNED BY	
CHECKED BY	PREPARED BY	

LP-14 SITE-11 LP-14-12 2/1/2012 4:00:06 PM



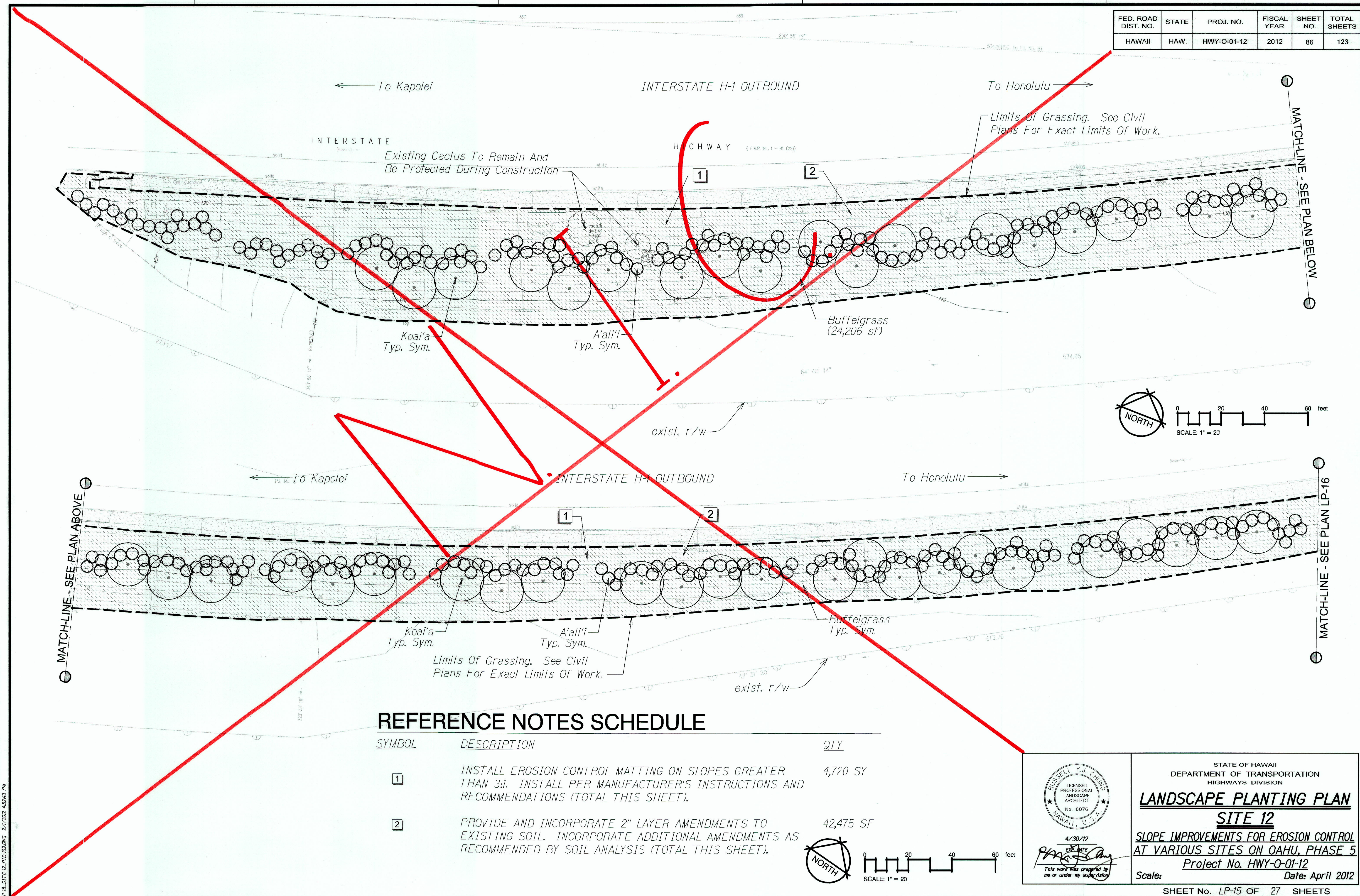
4/30/12
DATE
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me or under my supervision.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
LANDSCAPE PLANTING PLAN
SITE 11
SLOPE IMPROVEMENTS FOR EROSION CONTROL
AT VARIOUS SITES ON OAHU, PHASE 5
Project No. HWY-O-01-12
Date: April 2012
Scale:

SHEET No. LP-14 OF 27 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-12	2012	86	123



DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
DATE	

LP-15 SITE PLAN DOWNG 2/1/2012 4:58:43 PM

RUSSELL Y.J. CHUNG
LICENSED PROFESSIONAL ENGINEER
ARCHITECT
No. 6076
HAWAII, U.S.A.

4/30/12
DATE

This work was prepared by me or under my supervision

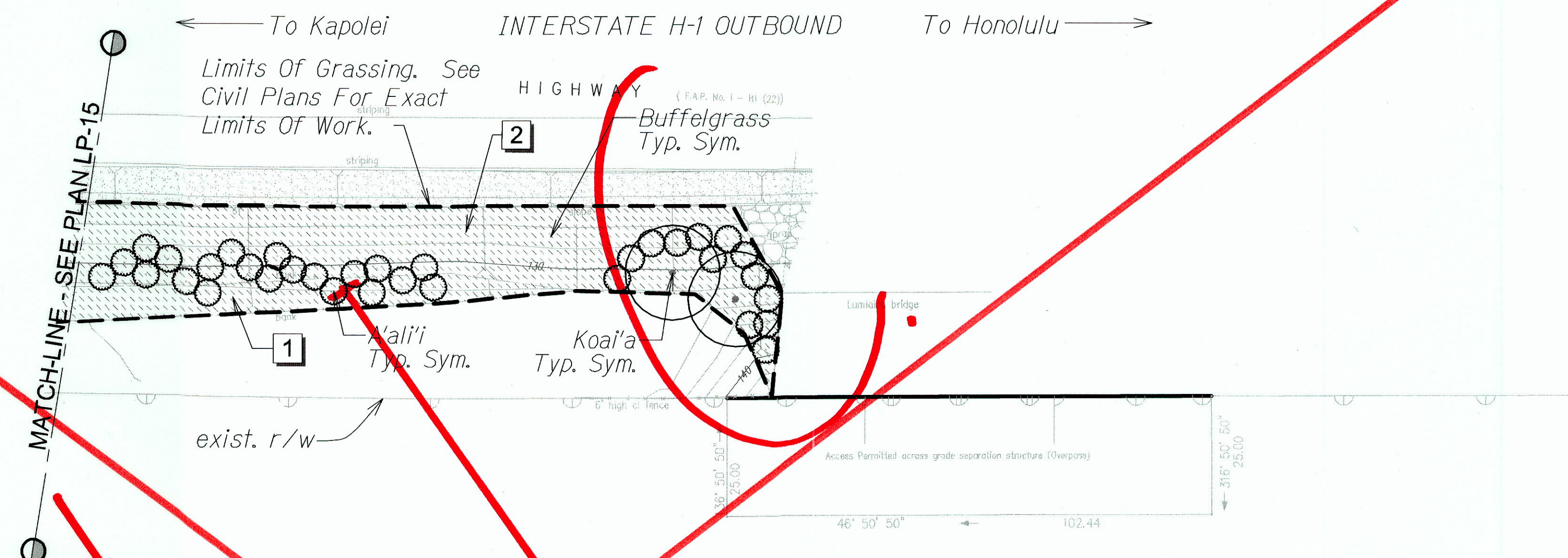
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LANDSCAPE PLANTING PLAN
SITE 12
SLOPE IMPROVEMENTS FOR EROSION CONTROL
AT VARIOUS SITES ON OAHU, PHASE 5
Project No. HWY-O-01-12
Date: April 2012

Scale: SHEET No. LP-15 OF 27 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-12	2012	87	123

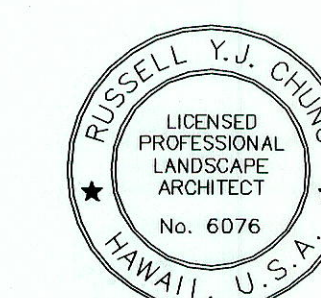
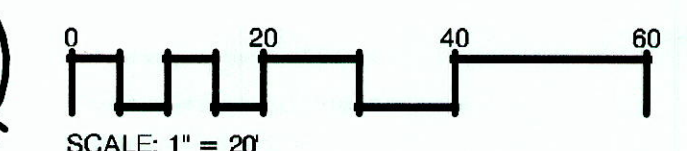


REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	QTY
1	INSTALL EROSION CONTROL MATTING ON SLOPES GREATER THAN 3:1. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS (TOTAL THIS SHEET).	350 SY
2	PROVIDE AND INCORPORATE 2" LAYER AMENDMENTS TO EXISTING SOIL. INCORPORATE ADDITIONAL AMENDMENTS AS RECOMMENDED BY SOIL ANALYSIS (TOTAL THIS SHEET).	3,125 SF

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
CHECKED BY	
IN CHARGE	

LP-16 SITE 12 LP-16/09/2012 2/1/2012 4:53:57 PM



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 E.P. DATE
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 me or under my supervision.

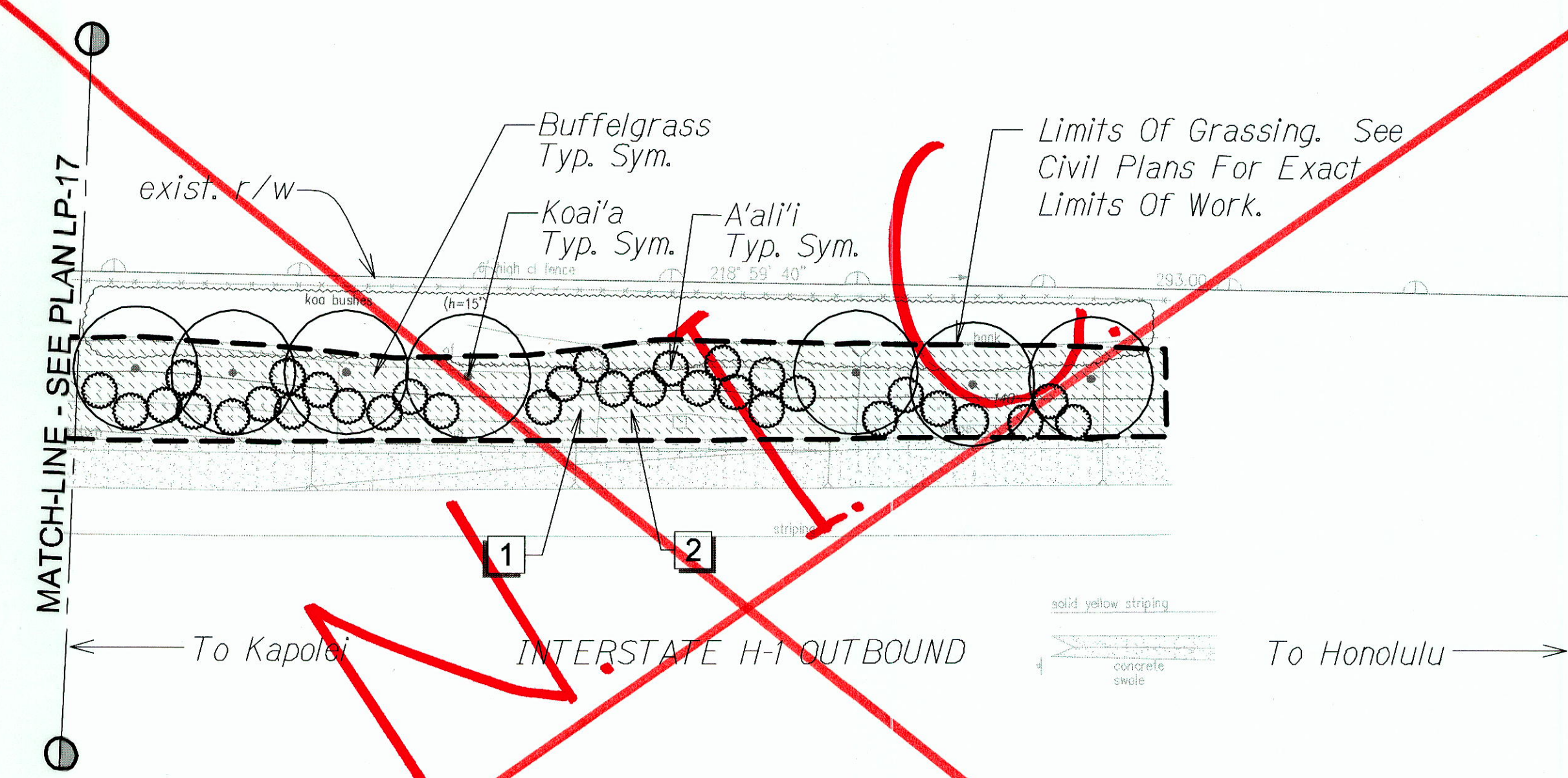
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

LANDSCAPE PLANTING PLAN
SITE 12
 SLOPE IMPROVEMENTS FOR EROSION CONTROL
 AT VARIOUS SITES ON OAHU, PHASE 5
 Project No. HWY-O-01-12
 Date: April 2012

Scale: SHEET No. LP-16 OF 27 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-01-12	2012	89	123

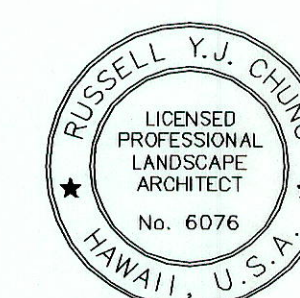
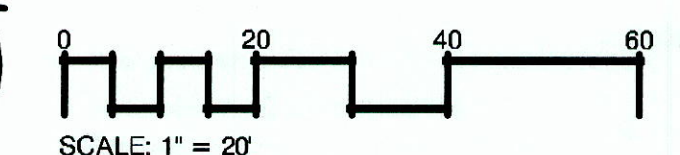


REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	QTY
1	INSTALL EROSION CONTROL MATTING ON SLOPES GREATER THAN 3:1. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS (TOTAL THIS SHEET).	320 SY
2	PROVIDE AND INCORPORATE 2" LAYER SOIL AMENDMENTS TO EXISTING SOIL. INCORPORATE ADDITIONAL AMENDMENTS AS RECOMMENDED BY SOIL ANALYSIS (TOTAL THIS SHEET).	2,850 SF

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NOTED BY	
DATE	

LP-18 SITE 13 L.P.D. 2/1/2012 4:55:58 PM

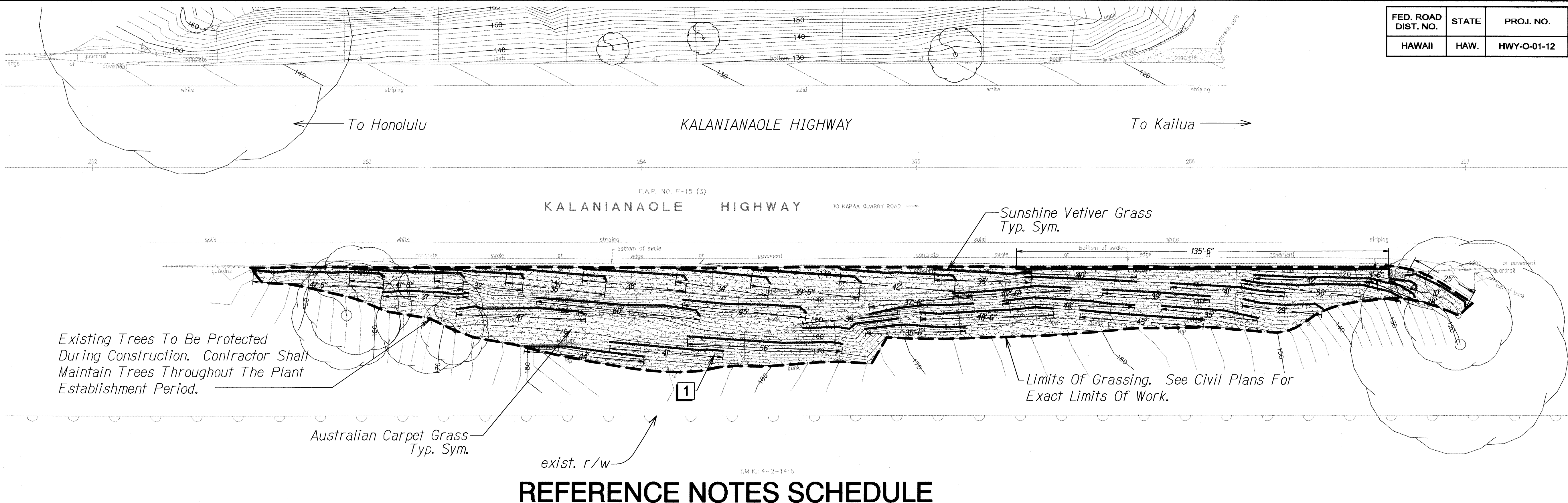


4/30/12
DATE
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STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
LANDSCAPE PLANTING PLAN
SITE 13
SLOPE IMPROVEMENTS FOR EROSION CONTROL AT VARIOUS SITES ON OAHU, PHASE 5
Project No. HWY-0-01-12
Date: April 2012
SHEET No. LP-18 OF 27 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-12	2012	90	123

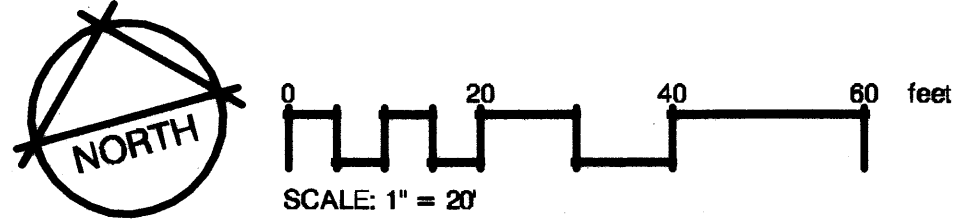


REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	QTY
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ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	TRACED BY	
	QUANTITIES BY	
	CHECKED BY	

LP-19 SITE-15, PIP-2012-01-12, 4/30/12

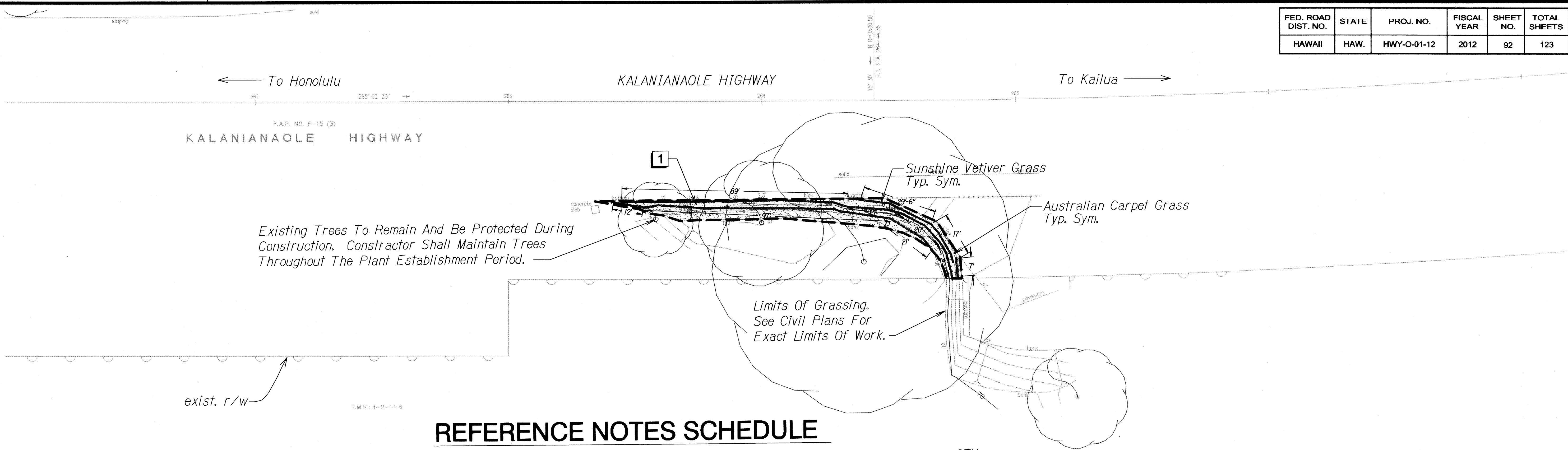


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STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

LANDSCAPE PLANTING PLAN
SITE 15
 SLOPE IMPROVEMENTS FOR EROSION CONTROL
 AT VARIOUS SITES ON OAHU, PHASE 5
 Project No. HWY-O-01-12
 Date: April 2012

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-12	2012	92	123

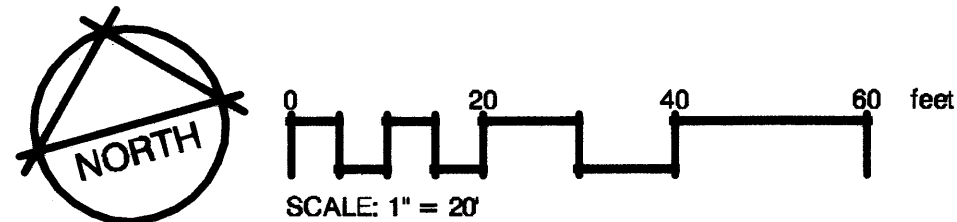


REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	QTY
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ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	CHECKED BY	
	QUANTITY BY	
	CHECKED BY	

LP-21 SITE 17-10/20/12 2/1/2012 3:38 PM



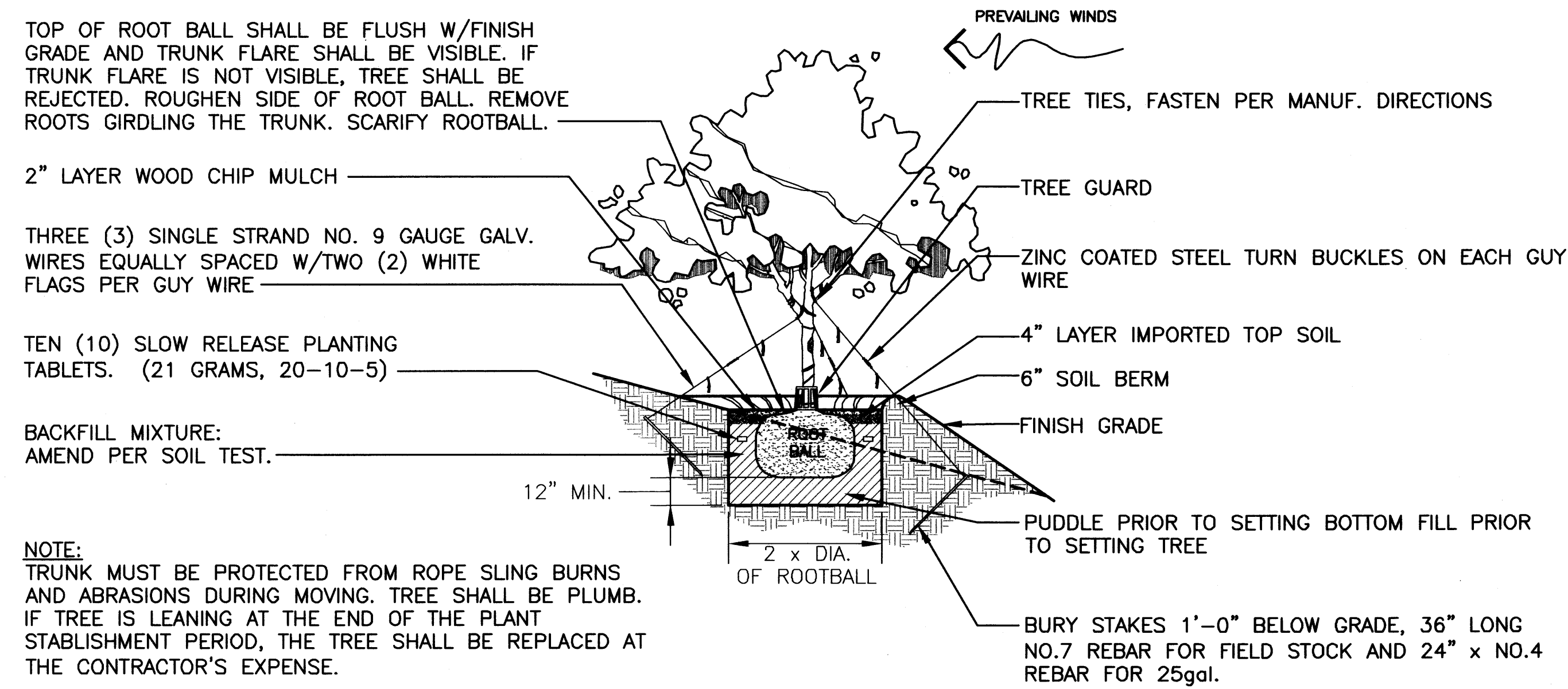
4/30/12
 This work was prepared by me or under my supervision.

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

LANDSCAPE PLANTING PLAN
SITE 17
 SLOPE IMPROVEMENTS FOR EROSION CONTROL
 AT VARIOUS SITES ON OAHU, PHASE 5
 Project No. HWY-O-01-12
 Date: April 2012

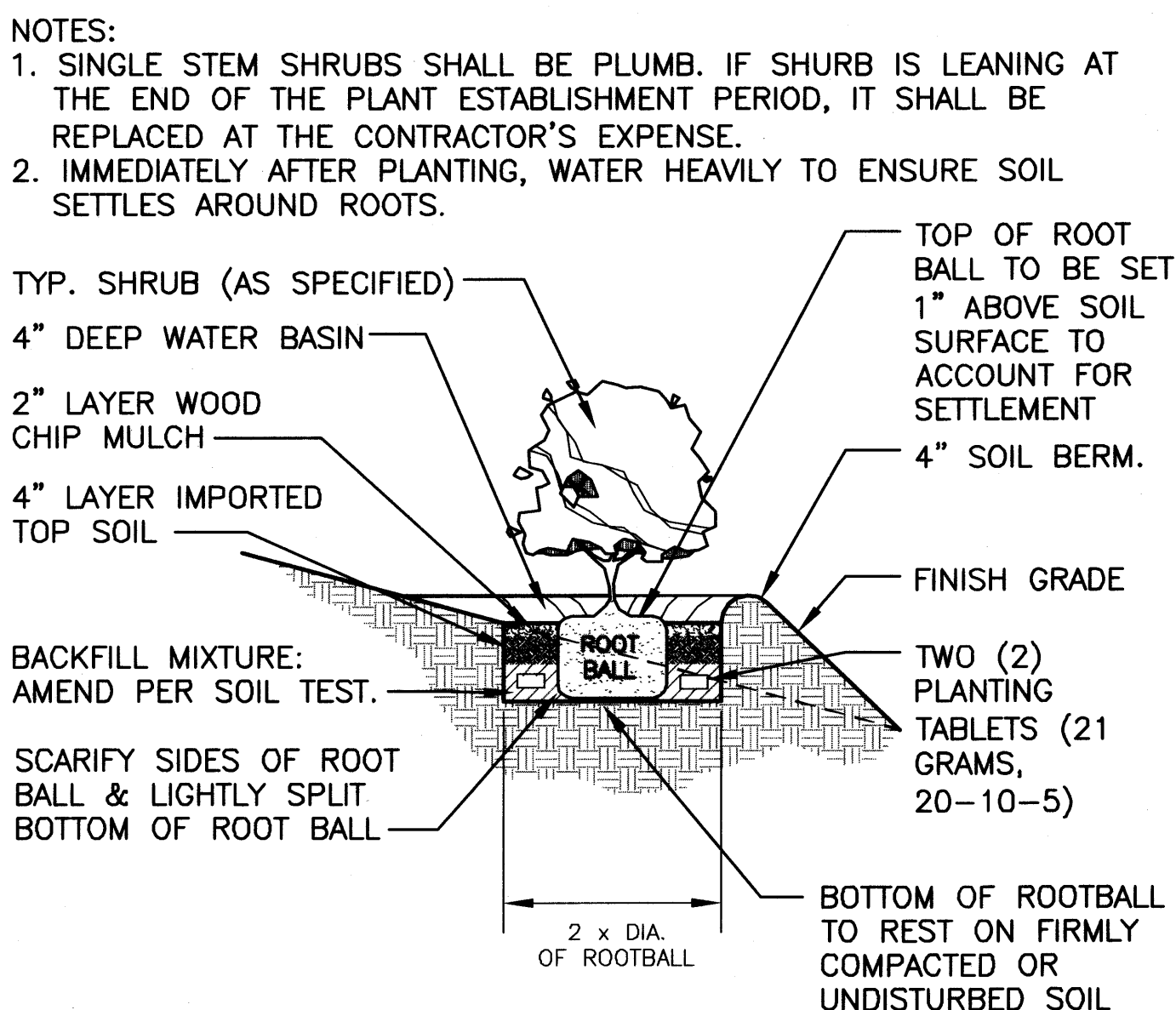
Scale: SHEET No. LP-21 OF 27 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-12	2012	93	123



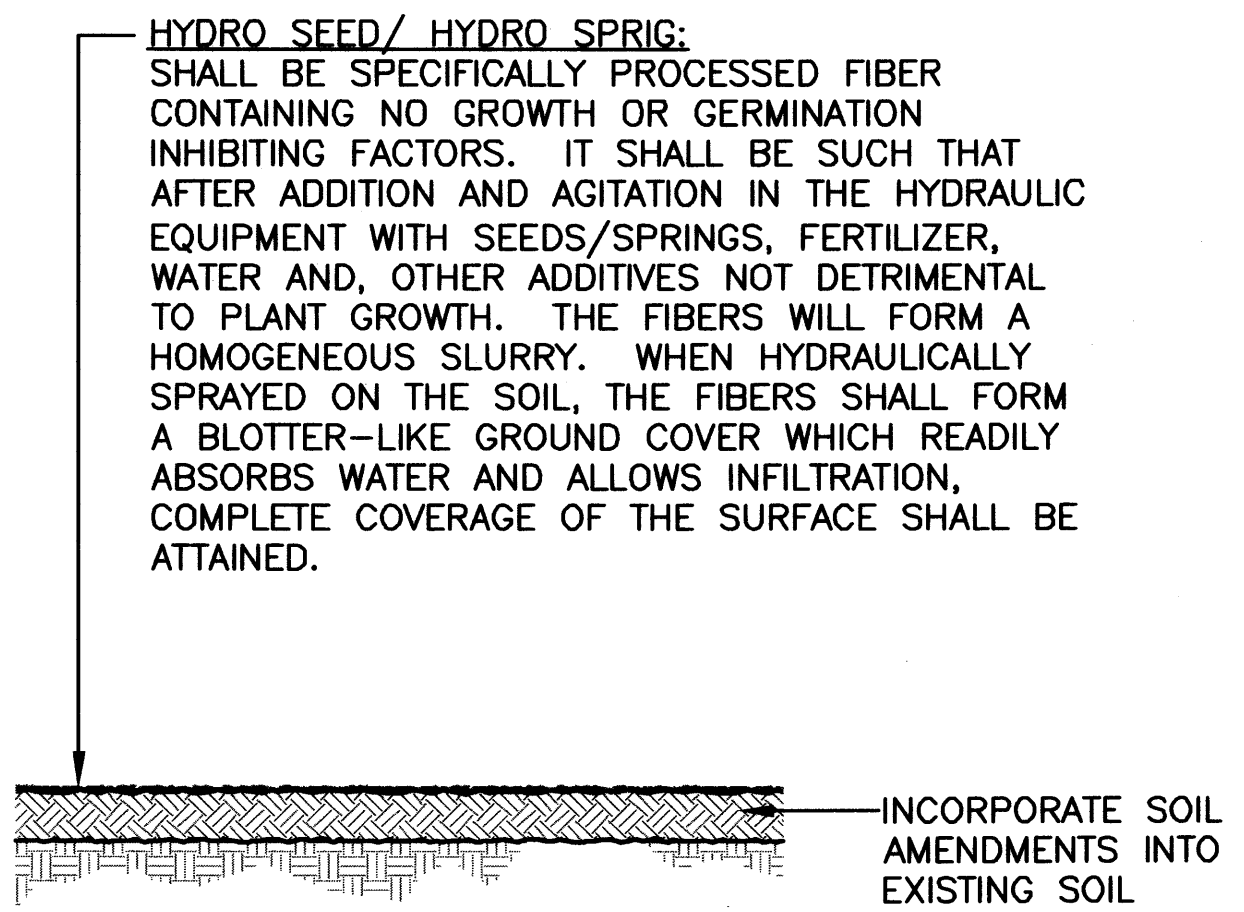
1 TREE PLANTING ON SLOPE
NOT TO SCALE

329343.46-09



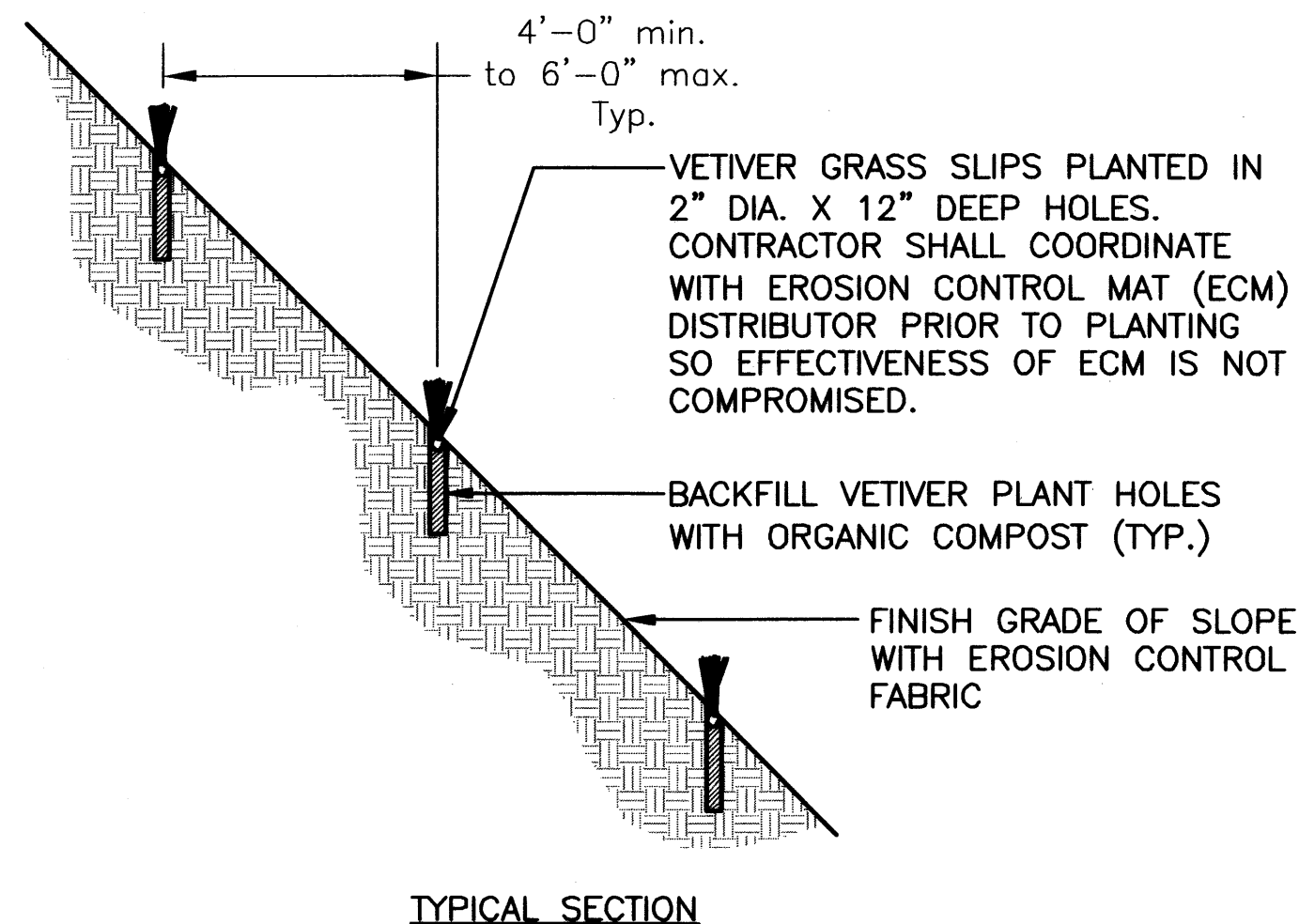
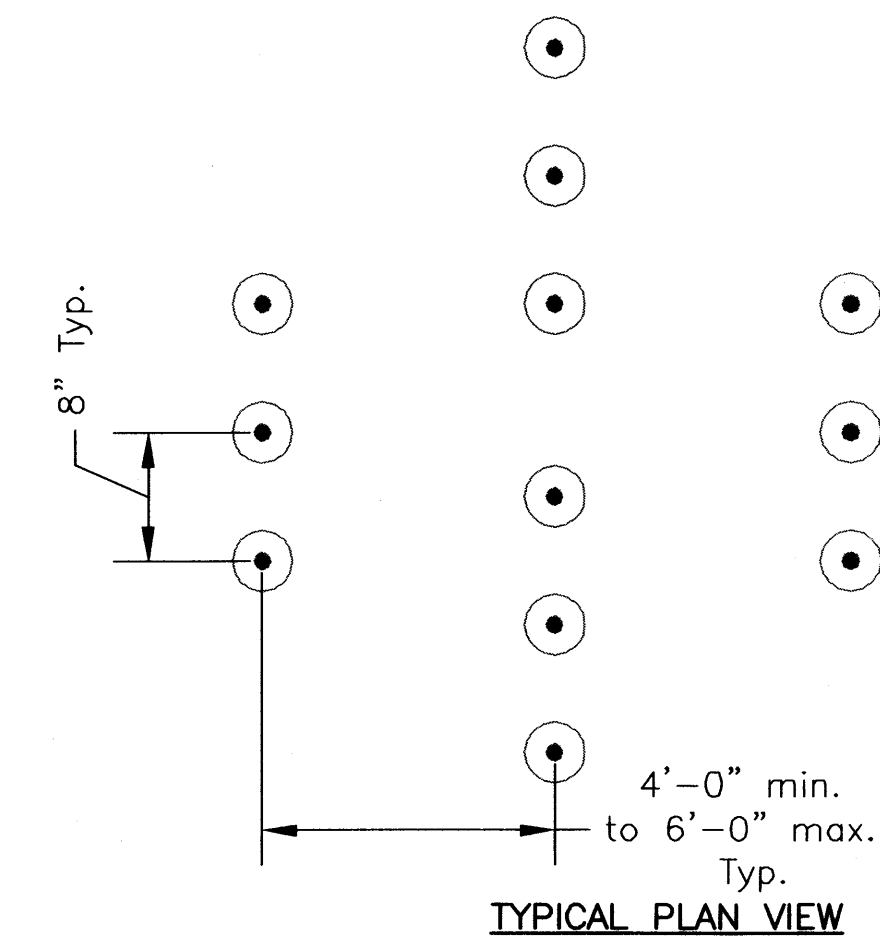
2 SHRUB PLANTING ON SLOPE
NOT TO SCALE

329333.16-01



3 HYDRO-SEED/SPRIG DETAIL
NOT TO SCALE

329313-04



NOTE: CONTRACTOR SHALL USE A GAS POWERED AUGER FOR EXCAVATION OF VETIVER PLANTING PITS.

4 VETIVER GRASS PLANTING ON SLOPE
1" = 1'-0"

329313-05

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
CHECKED BY	_____
NOTE BOOK	_____
NO.	_____

LP-22 DETAILS.DWG 2/1/2012 5:03 PM

4/30/12

[Signature]

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LANDSCAPE DETAILS

SLOPE IMPROVEMENTS FOR EROSION CONTROL AT VARIOUS SITES ON OAHU, PHASE 5

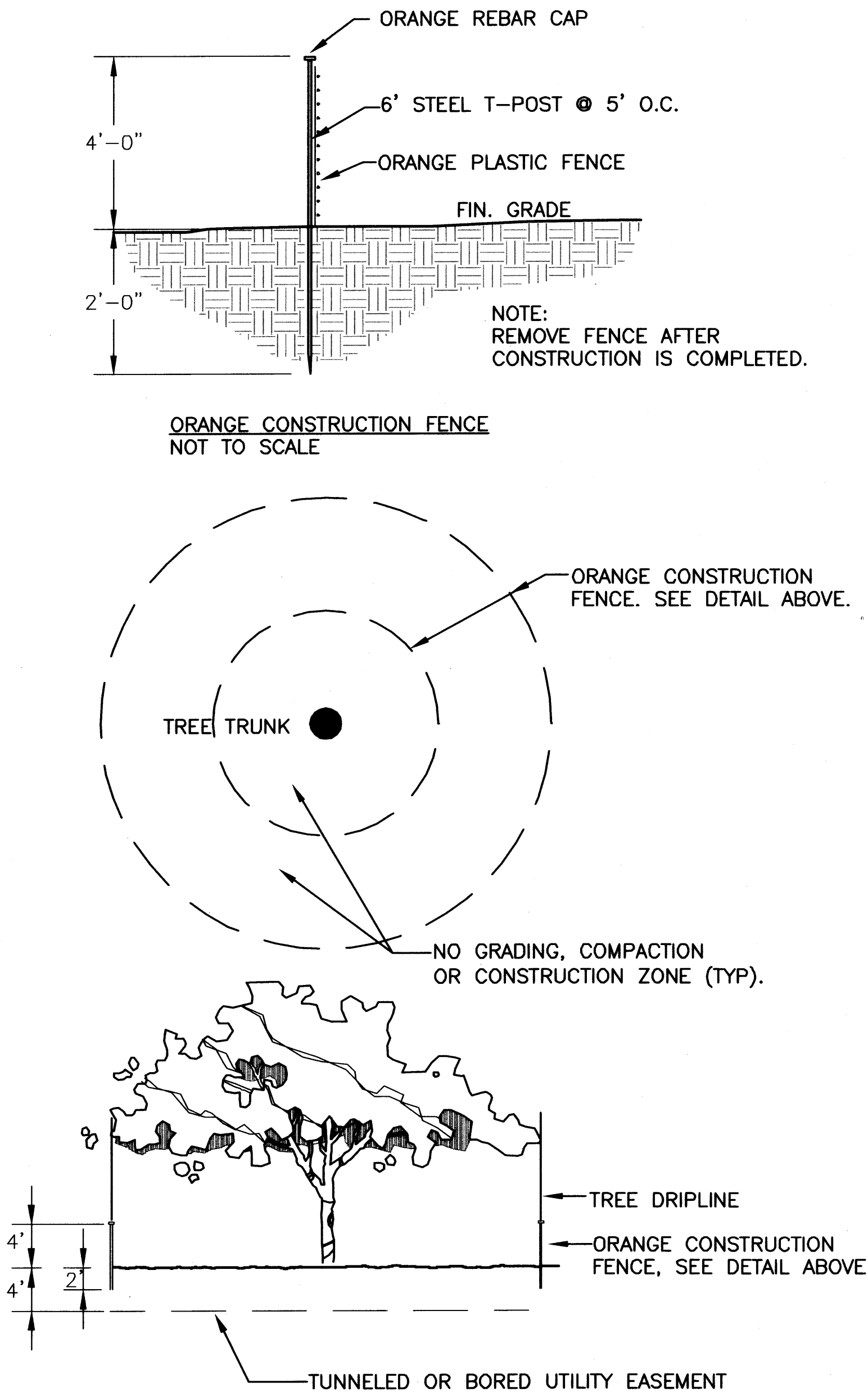
Project No. HWY-O-01-12

Scale: _____ Date: April 2012

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-12	2012	94	123

TREE PROTECTION ZONE:

- ALL TREES IDENTIFIED ON THE PLANS TO BE PROTECTED. ALL TREES 24" CALIPER OR GREATER (AS MEASURED AT 4½ FEET HEIGHT) SHALL BE PROTECTED. IF TREES OTHER THAN THOSE DESIGNATED FOR REMOVAL ARE DAMAGED BEYOND SURVIVAL CONDITION AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL REMOVE SUCH TREES AND REPLACE WITH A TREE OF THE SAME SPECIE AND SIZE AND MAINTAIN FOR THE DURATION OF THE CONSTRUCTION OR 12 MONTHS WHICHEVER IS GREATER AT NO COST TO THE STATE.
- THE RECOMMENDED TREE PROTECTION ZONE SHOULD BE LOCATED AT THE OUTER DRIP LINE OF THE CANOPY OF THE TREE. HOWEVER, THE MINIMUM PROTECTION ZONE AROUND A TREE SHOULD BE AT LEAST 20 FEET FROM THE EXTERNAL SURFACE OF THE TREE'S TRUNK. FOR ALL PALMS, THE MINIMUM PROTECTION ZONE SHOULD BE AT LEAST 10 FEET.
- ALL UNDERGROUND UTILITIES AND IRRIGATION LINES SHOULD BE ROUTED OUTSIDE OF THE TREE PROTECTION ZONE. IF UTILITIES MUST TRAVERSE THE TREE PROTECTION ZONE, THEY SHALL BE TUNNELED OR BORED AT A DEPTH OF 4 FEET OR GREATER WITHIN THE TREE PROTECTION ZONE.
- ALL PROTECTED TREES SHALL BE LISTED ON THE DEMOLITION, LANDSCAPE, GRADING AND UTILITIES PLANS. IF THERE IS A DISCREPANCY WITH ALL PLANS, CONTRACTOR SHALL CONTACT ENGINEER IMMEDIATELY.
- PROTECTIVE FENCES SHALL BE ERECTED AROUND TREES IDENTIFIED ON PLAN OR TREES WITH A TRUNK DIAMETER GREATER THAN 24 INCHES (AS MEASURED AT A HEIGHT OF 4 ½ FEET.) PROTECTIVE FENCE SHALL BE 4 FEET HIGH ORANGE PLASTIC MESH OR APPROVED EQUIVALENT SUPPORTED ON STEEL T-POST A MINIMUM OF 6 FEET LONG. PROTECTIVE FENCE SHALL SURROUND TREE AT A MINIMUM OF 10 FEET FROM TREE TRUNK WITH STEEL T-POST AT A MINIMUM OF 5 FEET ON CENTER. FENCE SHALL BE INSTALLED PRIOR TO ANY DEMOLITION WORK AND SHALL REMAIN IN PLACE UNTIL SITE WORK IS COMPLETED. SIGNS SHALL BE POSTED ON ALL FOUR SIDES TO READ "TREE PROTECTION ZONE [TPZ] – NO GRADE CHANGE, STORAGE OR EQUIPMENT PERMITTED WITHIN TPZ."
- FOR THE DURATION OF CONSTRUCTION WITHIN THE DRIP LINE OF THE TREES TO REMAIN THERE MUST BE:
 - NO CHANGES, ALTERATION OR DISTURBANCE TO THE GRADE BY ADDING FILL, EXCAVATING OR SCRAPING EXCEPT AS NOTED ON PLANS;
 - NO STORAGE ON CONSTRUCTION MATERIALS OR EQUIPMENT;
 - NO STOCKPILING OF ANY CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS;
 - NO DISPOSAL OF ANY LIQUIDS e.g. CONCRETE SLEUTH, GAS, OIL, PAINT;
 - NO VEHICULAR TRAFFIC, EQUIPMENT OR EXCESSIVE PEDESTRIAN TRAFFIC;
 - NO ATTACHMENT OF ANY WIRES, ROPES, LIGHTS OR ANY OTHER SUCH ATTACHMENT OTHER THAN THOSE OF A PROTECTIVE NATURE TO ANY TREE TO BE PRESERVED; AND
 - NO CLEANING OF EQUIPMENT OR MATERIAL UNDER THE CANOPY OF ANY TREE OR GROUP OF TREES TO BE PRESERVED
- AUGER TUNNELING, NOT TRENCHING, SHALL BE USED WHERE POSSIBLE FOR UTILITY PLACEMENT WITHIN THE DRIP LINE OF THE TREE. IF TRENCHING IS NECESSARY IT SHALL BE HAND DUG WITHIN THE DRIP LINE OF THE TREE.



1 TREE PROTECTION
NOT TO SCALE

329343.63-03

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
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	CHECKED BY	
	DESIGNED BY	
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LP-23 DETAILS.DWG 2/1/2012 3:05 PM

4/30/12

[Signature]

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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**LANDSCAPE
DETAILS**



**SLOPE IMPROVEMENTS FOR EROSION CONTROL
AT VARIOUS SITES ON OAHU, PHASE 5**

Project No. HWY-O-01-12



Scale: Date: April 2012

PLANT SCHEDULE - SITE 1


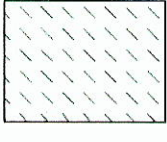
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-12	2012	95	123

SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	O.C.	REMARKS
	1,184	CHRYSOPOGON ZIZANIOIDES 'SUNSHINE'	SUNSHINE VETIVER GRASS	SPRIGS/SLIPS @	8" O.C.	WELL DEVELOPED ROOT SYSTEM
SOD/SEED	QTY	BOTANICAL NAME	COMMON NAME	CONT		REMARKS
	7,000 SF	CENCHRUS CILIARUS 'LAREDO'	BUFFELGRASS	HYDROSEED		APPLY SEED AT A RATE OF 50 LBS. PER ACRE. MIX WITH WHITTET KIKUYU GRASS (PENNISETUM CLANDESTINUM) AT A RATE OF 50 LBS. PER ACRE

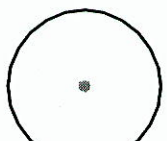


PLANT SCHEDULE - SITE 2

SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	O.C.	REMARKS
	1,109	CHRYSOPOGON ZIZANIOIDES 'SUNSHINE'	SUNSHINE VETIVER GRASS	SPRIGS/SLIPS @	8" O.C.	WELL DEVELOPED ROOT SYSTEM
SOD/SEED	QTY	BOTANICAL NAME	COMMON NAME	CONT		REMARKS
	3,500 SF	CENCHRUS CILIARUS 'LAREDO'	BUFFELGRASS	HYDROSEED		APPLY SEED AT A RATE OF 50 LBS. PER ACRE. MIX WITH WHITTET KIKUYU GRASS (PENNISETUM CLANDESTINUM) AT A RATE OF 50 LBS. PER ACRE

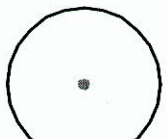
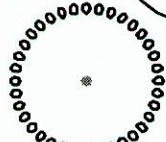

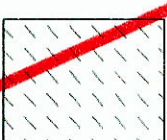
PLANT SCHEDULE - SITE 3

SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	O.C.	REMARKS
	3,227	CHRYSOPOGON ZIZANIOIDES 'SUNSHINE'	SUNSHINE VETIVER GRASS	SPRIGS/SLIPS @	8" O.C.	WELL DEVELOPED ROOT SYSTEM
SOD/SEED	QTY	BOTANICAL NAME	COMMON NAME	CONT		REMARKS
	15,270 SF	CENCHRUS CILIARUS 'LAREDO'	BUFFELGRASS	HYDROSEED		APPLY SEED AT A RATE OF 50 LBS. PER ACRE. MIX WITH WHITTET KIKUYU GRASS (PENNISETUM CLANDESTINUM) AT A RATE OF 50 LBS. PER ACRE

PLANT SCHEDULE - SITE 4

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	REMARKS
	8	ACACIA KOAIA	KOAI'A	15 GAL	1" CAL	4'-6'	
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	O.C.		REMARKS
	122	DODONEA VISCOSA	A'ALI'I	1 GAL			
SOD/SEED	QTY	BOTANICAL NAME	COMMON NAME	CONT			REMARKS
	19,750 SF	CENCHRUS CILIARUS 'LAREDO'	BUFFELGRASS	HYDROSEED			APPLY SEED AT A RATE OF 50 LBS. PER ACRE. MIX WITH WHITTET KIKUYU GRASS (PENNISETUM CLANDESTINUM) AT A RATE OF 50 LBS. PER ACRE

PLANT SCHEDULE - SITE 5

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	REMARKS
	43	ACACIA KOAIA	KOAI'A	15 GAL	1" CAL	4'-6'	
	31	SAPINDUS OAHUENSIS	LONOMEA	15 GAL	1" CAL	4'-6'	
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	O.C.		REMARKS
	66	DODONEA VISCOSA	A'ALI'I	1 GAL			
SOD/SEED	QTY	BOTANICAL NAME	COMMON NAME	CONT			REMARKS
	68,000 SF	CENCHRUS CILIARUS 'LAREDO'	BUFFELGRASS	HYDROSEED			APPLY SEED AT A RATE OF 50 LBS. PER ACRE. MIX WITH WHITTET KIKUYU GRASS (PENNISETUM CLANDESTINUM) AT A RATE OF 50 LBS. PER ACRE

SURVEY PLOTTED BY: _____ DATE: _____

ORIGINAL PLAN


DESIGNED BY: _____

NOTE BOOK

CHECKED BY: _____

DATE: _____

LP-PLANT LISTING 4/15/2012 2:08:22 PM



4/30/12

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LANDSCAPE PLANT LIST

SLOPE IMPROVEMENTS FOR EROSION CONTROL AT VARIOUS SITES ON OAHU, PHASE 5


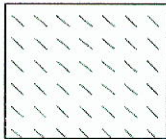
Project No. HWY-O-01-12

Date: April 2012




Scale: _____

PLANT SCHEDULE - SITE 6



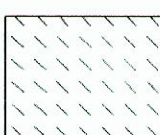
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-12	2012	96	123

SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	O.C.	REMARKS
	637	CHRYSOPOGON ZIZANIOIDES 'SUNSHINE'	SUNSHINE VETIVER GRASS	SPRIGS/SLIPS @	8" O.C.	WELL DEVELOPED ROOT SYSTEM
SOD/SEED	QTY	BOTANICAL NAME	COMMON NAME	CONT		REMARKS
	3,300 SF	CENCHRUS CILIARUS 'LAREDO'	BUFFELGRASS	HYDROSEED		APPLY SEED AT A RATE OF 50 LBS. PER ACRE. MIX WITH WHITTET KIKUYU GRASS (PENNISETUM CLANDESTINUM) AT A RATE OF 50 LBS. PER ACRE

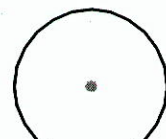


PLANT SCHEDULE - SITE 7

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	REMARKS
	28	ACACIA KOAIA	KOAI'A	15 GAL	1" CAL	4'-6'	
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	O.C.		REMARKS
	230	DODONEA VISCOSA	A'ALI'I	1 GAL			
SOD/SEED	QTY	BOTANICAL NAME	COMMON NAME	CONT			REMARKS
	45,000 SF	CENCHRUS CILIARUS 'LAREDO'	BUFFELGRASS	HYDROSEED			APPLY SEED AT A RATE OF 50 LBS. PER ACRE. MIX WITH WHITTET KIKUYU GRASS (PENNISETUM CLANDESTINUM) AT A RATE OF 50 LBS. PER ACRE

PLANT SCHEDULE - SITE 8


TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	REMARKS
	15	ACACIA KOAIA	KOAI'A	15 GAL	1" CAL	4'-6'	
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	O.C.		REMARKS
	93	DODONEA VISCOSA	A'ALI'I	1 GAL			
SOD/SEED	QTY	BOTANICAL NAME	COMMON NAME	CONT			REMARKS
	19,000 SF	CENCHRUS CILIARUS 'LAREDO'	BUFFELGRASS	HYDROSEED			APPLY SEED AT A RATE OF 50 LBS. PER ACRE. MIX WITH WHITTET KIKUYU GRASS (PENNISETUM CLANDESTINUM) AT A RATE OF 50 LBS. PER ACRE

PLANT SCHEDULE - SITE 9

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	REMARKS
	55	ACACIA KOAIA	KOAI'A	15 GAL	1" CAL	4'-6'	
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	O.C.		REMARKS
	255	DODONEA VISCOSA	A'ALI'I	1 GAL			
SOD/SEED	QTY	BOTANICAL NAME	COMMON NAME	CONT			REMARKS
	46,000 SF	CENCHRUS CILIARUS 'LAREDO'	BUFFELGRASS	HYDROSEED			APPLY SEED AT A RATE OF 50 LBS. PER ACRE. MIX WITH WHITTET KIKUYU GRASS (PENNISETUM CLANDESTINUM) AT A RATE OF 50 LBS. PER ACRE

SURVEY PLOTTED BY	DATE
PLAN	
DESIGNED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
DATE	

LP-25-PLANT-LISTING 4/13/2012 2:00:07 PM



4/30/12
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LANDSCAPE PLANT LIST

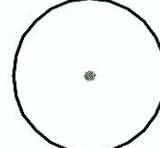

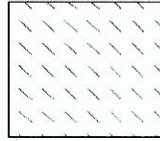
SLOPE IMPROVEMENTS FOR EROSION CONTROL AT VARIOUS SITES ON OAHU, PHASE 5

Project No. HWY-O-01-12
Date: April 2012

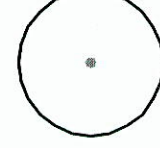


Scale: SHEET No. LP-25 OF 27 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-12	2012	97	123

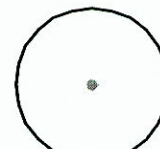

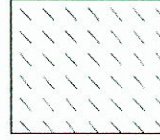
PLANT SCHEDULE - SITE 10

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	REMARKS
	21	ACACIA KOAIA	KOAI'A	15 GAL	1" CAL	4'-6'	
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	O.C.		REMARKS
	197	DODONEA VISCOSA	A'ALI'I	1 GAL			
SOD/SEED	QTY	BOTANICAL NAME	COMMON NAME	CONT			REMARKS
	33,000 SF	CENCHRUS CILIARUS 'LAREDO'	BUFFELGRASS	HYDROSEED			APPLY SEED AT A RATE OF 50 LBS. PER ACRE. MIX WITH WHITTET KIKUYU GRASS (PENNISETUM CLANDESTINUM) AT A RATE OF 50 LBS. PER ACRE

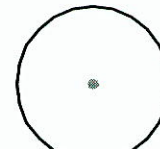

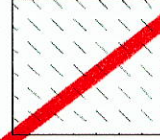
PLANT SCHEDULE - SITE 11

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	REMARKS
	43	ACACIA KOAIA	KOAI'A	15 GAL	1" CAL	4'-6'	
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	O.C.		REMARKS
	311	DODONEA VISCOSA	A'ALI'I	1 GAL			
SOD/SEED	QTY	BOTANICAL NAME	COMMON NAME	CONT			REMARKS
	80,710 SF	CENCHRUS CILIARUS 'LAREDO'	BUFFELGRASS	HYDROSEED			APPLY SEED AT A RATE OF 50 LBS. PER ACRE. MIX WITH WHITTET KIKUYU GRASS (PENNISETUM CLANDESTINUM) AT A RATE OF 50 LBS. PER ACRE

PLANT SCHEDULE - SITE 12

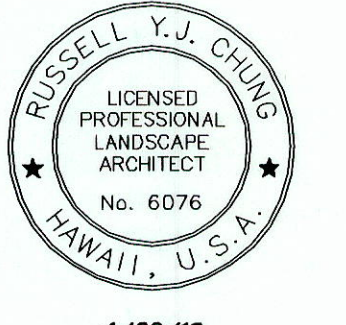
TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	REMARKS
	44	ACACIA KOAIA	KOAI'A	15 GAL	1" CAL	4'-6'	
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	O.C.		REMARKS
	322	DODONEA VISCOSA	A'ALI'I	1 GAL			
SOD/SEED	QTY	BOTANICAL NAME	COMMON NAME	CONT			REMARKS
	45,600 SF	CENCHRUS CILIARUS 'LAREDO'	BUFFELGRASS	HYDROSEED			APPLY SEED AT A RATE OF 50 LBS. PER ACRE. MIX WITH WHITTET KIKUYU GRASS (PENNISETUM CLANDESTINUM) AT A RATE OF 50 LBS. PER ACRE

PLANT SCHEDULE - SITE 13

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	REMARKS
	44	ACACIA KOAIA	KOAI'A	15 GAL	1" CAL	4'-6'	
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	O.C.		REMARKS
	236	DODONEA VISCOSA	A'ALI'I	1 GAL			
SOD/SEED	QTY	BOTANICAL NAME	COMMON NAME	CONT			REMARKS
	31,500 SF	CENCHRUS CILIARUS 'LAREDO'	BUFFELGRASS	HYDROSEED			APPLY SEED AT A RATE OF 50 LBS. PER ACRE. MIX WITH WHITTET KIKUYU GRASS (PENNISETUM CLANDESTINUM) AT A RATE OF 50 LBS. PER ACRE

DATE	DATE
DESIGNED BY	DESIGNED BY
QUANTITIES BY	QUANTITIES BY
CHECKED BY	CHECKED BY
DATE	DATE

LP-26 PLANT LISTING 2/1/2012 5:09:55 PM



4/30/12

[Signature]

This work was prepared by me or under my supervision.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LANDSCAPE PLANT LIST

SLOPE IMPROVEMENTS FOR EROSION CONTROL AT VARIOUS SITES ON OAHU, PHASE 5



Project No. HWY-O-01-12

Date: April 2012


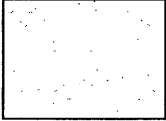
Scale:

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-01-12	2012	98	123


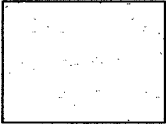
PLANT SCHEDULE - SITE 15

<u>SHRUBS</u>	<u>QTY</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>CONT</u>	<u>O.C.</u>	<u>REMARKS</u>
	2,453	CHRYSOPOGON ZIZANIOIDES 'SUNSHINE'	SUNSHINE VETIVER GRASS	SPRIGS/SLIPS @	8" O.C.	WELL DEVELOPED ROOT SYSTEM
<u>SOD/SEED</u>	<u>QTY</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>CONT</u>		<u>REMARKS</u>
	10,600 SF	AXONOPUS AFFINIS	AUSTRALIAN CARPET GRASS	HYDROSEED		

PLANT SCHEDULE - SITE 16

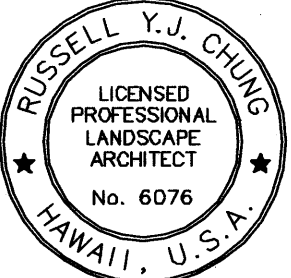
<u>SHRUBS</u>	<u>QTY</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>CONT</u>	<u>O.C.</u>	<u>REMARKS</u>
	1,484	CHRYSOPOGON ZIZANIOIDES 'SUNSHINE'	SUNSHINE VETIVER GRASS	SPRIGS/SLIPS @	8" O.C.	WELL DEVELOPED ROOT SYSTEM
<u>SOD/SEED</u>	<u>QTY</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>CONT</u>		<u>REMARKS</u>
	6,075 SF	AXONOPUS AFFINIS	AUSTRALIAN CARPET GRASS	HYDROSEED		

PLANT SCHEDULE - SITE 17

<u>SHRUBS</u>	<u>QTY</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>CONT</u>	<u>O.C.</u>	<u>REMARKS</u>
	554	CHRYSOPOGON ZIZANIOIDES 'SUNSHINE'	SUNSHINE VETIVER GRASS	SPRIGS/SLIPS @	8" O.C.	WELL DEVELOPED ROOT SYSTEM
<u>SOD/SEED</u>	<u>QTY</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>CONT</u>		<u>REMARKS</u>
	1,200 SF	AXONOPUS AFFINIS	AUSTRALIAN CARPET GRASS	HYDROSEED		

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	

LP-21 PLANT LISTING 7/24/2012 3:05:54 PM



4/30/12
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LANDSCAPE PLANT LIST

SLOPE IMPROVEMENTS FOR EROSION CONTROL
AT VARIOUS SITES ON OAHU, PHASE 5
Project No. HWY-O-01-12
Date: April 2012

Scale: