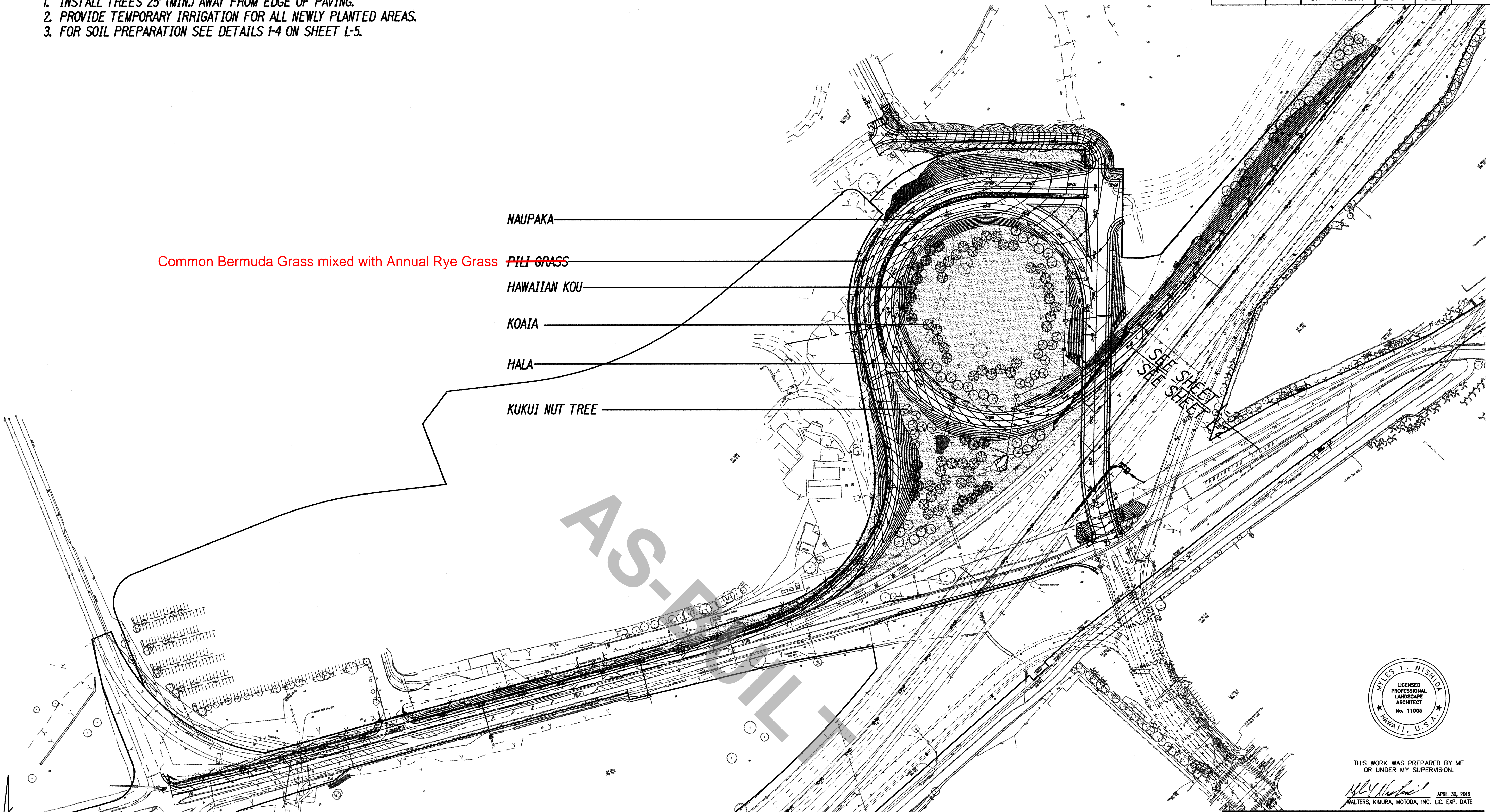


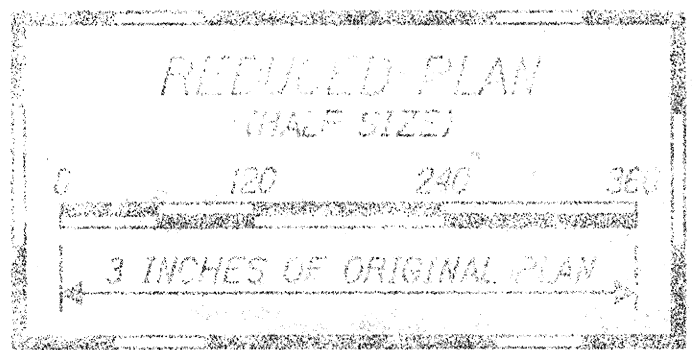
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-HI-1(261)	2015	520	524

- NOTE:
1. INSTALL TREES 25' (MIN.) AWAY FROM EDGE OF PAVING.
  2. PROVIDE TEMPORARY IRRIGATION FOR ALL NEWLY PLANTED AREAS.
  3. FOR SOIL PREPARATION SEE DETAILS 1-4 ON SHEET L-5.



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

TRUE NORTH  
SCALE: 1" = 120'



# OVERALL LANDSCAPE PLANTING PLAN Scale: 1" = 120'-0"



THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION.  
*Miles Y. Nishida*  
WALTERS, KIMURA, MOTODA, INC. LIC. EXP. DATE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**OVERALL**  
**LANDSCAPE PLANTING PLAN**  
INTERSTATE ROUTE H-1  
ADDITION AND MODIFICATION OF FREEWAY ACCESS  
(Kapolei Interchange Complex), Phase 2  
Federal-Aid Project No. 1M-HI-1 (261)  
Scale: 1" = 120'-0" Date: January 20, 2015  
SHEET No. L-1 OF 5 SHEETS

"AS-BUILT"



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-HI-1(261)	2015	521	524

- NOTE:
1. INSTALL TREES 25' (MIN.) AWAY FROM EDGE OF PAVING.
  2. PROVIDE TEMPORARY IRRIGATION FOR ALL NEWLY PLANTED AREAS.
  3. FOR SOIL PREPARATION SEE DETAILS I-4 ON SHEET L-5.

Common Bermuda Grass mixed with Annual Rye Grass

~~PILI GRASS~~

Common Bermuda Grass mixed with Annual Rye Grass

~~PILI GRASS~~

6,400 S.F.  
NAUPAKA  
1 G.C. @ 3'-0" O.C.  
SEE TYPICAL DETAIL NO. 4/L-4

Common Bermuda Grass mixed with Annual Rye Grass

~~PILI GRASS~~

Common Bermuda Grass mixed with Annual Rye Grass

314,250 S.F.  
~~PILI GRASS~~  
SEEDED

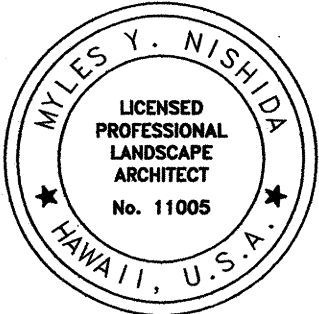
30 KOAIA  
25 G.C.  
8' HIGH, 6' HIGH SPD, 2" CAL.  
SEE TYPICAL DETAIL NO. 3/L-4

9 KUKUI NUT TREE  
25 G.C.  
8' HIGH, 6' SPD, 2" CAL.  
SEE TYPICAL DETAIL NO. 3/L-4

9 HAWAIIAN KOU  
25 G.C.  
8' HIGH, 6' SPD, 2" CAL.  
SEE TYPICAL DETAIL NO. 3/L-4

33 HALA  
25 G.C.  
8' HIGH, MULTI-BRANCHING  
SEE TYPICAL DETAIL NO. 2/L-4

SEE SHEET L-5



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OR UNDER MY SUPERVISION.

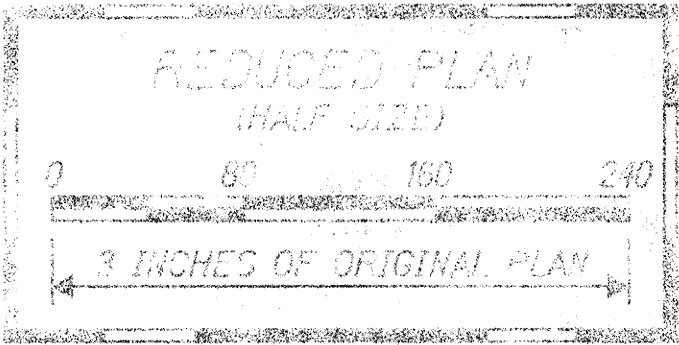
*W. Y. Nishida*  
WALTERS, KIMURA, MOTODA, INC. LIC. EXP. DATE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**LANDSCAPE**  
**PLANTING PLAN-1**  
INTERSTATE ROUTE H-1  
ADDITION AND MODIFICATION OF FREEWAY ACCESS  
(Kapolei Interchange Complex), Phase 2  
Federal-Aid Project No. 1M-HI-1 (261)  
Scale: 1" = 80'-0" Date: January 20, 2015

SHEET No. L-2 OF 5 SHEETS

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

TRUE NORTH  
SCALE: 1" = 80'



LANDSCAPE  
PLANTING PLAN-1  
Scale: 1" = 80'-0"

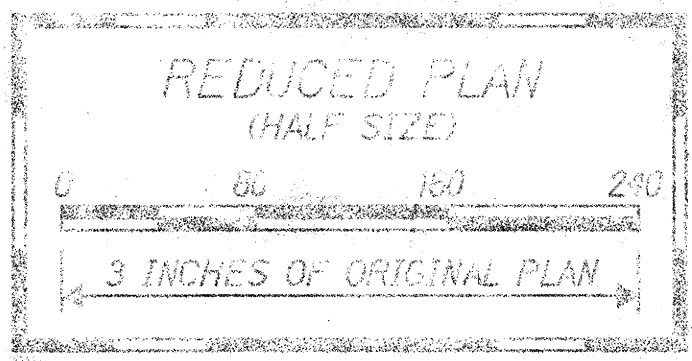
"AS-BUILT"



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(261)	2015	522	524

- NOTE:
1. INSTALL TREES 25' (MIN.) AWAY FROM EDGE OF PAVING.
  2. PROVIDE TEMPORARY IRRIGATION FOR ALL NEWLY PLANTED AREAS.
  3. FOR SOIL PREPARATION SEE DETAILS 1-4 ON SHEET L-5.

TRUE NORTH  
SCALE: 1" = 80'



Common Bermuda Grass mixed with Annual Rye Grass

650 S.F.  
NAUPAKA  
1 G.C. @ 3'-0" O.C.  
SEE TYPICAL DETAIL NO. 4/L-4

168,100 S.F.  
~~PILI GRASS~~  
SEED

7  
KUKUI NUT TREE  
25 G.C.  
8' HIGH, 6' SPD, 2" CAL.  
SEE TYPICAL DETAIL NO. 3/L-4

12  
HAWAIIAN KOU  
25 G.C.  
8' HIGH, 6' SPD, 2" CAL.  
SEE TYPICAL DETAIL NO. 3/L-4

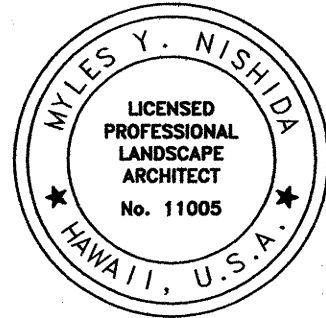
16  
KOAIA  
25 G.C.  
8' HIGH, 6' SPD, 2" CAL.  
SEE TYPICAL DETAIL NO. 3/L-4

Common Bermuda Grass mixed with Annual Rye Grass

~~PILI GRASS~~

~~PILI GRASS~~  
Common Bermuda Grass  
mixed with Annual Rye Grass

11  
HALA  
25 G.C.  
8' HIGH, MULTI-BRANCHING  
SEE TYPICAL DETAIL NO. 2/L-4



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OR UNDER MY SUPERVISION.

APR 30, 2016  
WALTERS, KIMURA, MOTODA, INC. LIC. EXP. DATE

LANDSCAPE  
PLANTING PLAN-2  
Scale: 1" = 80'-0"

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**LANDSCAPE**  
**PLANTING PLAN-2**  
INTERSTATE ROUTE H-1  
ADDITION AND MODIFICATION OF FREEWAY ACCESS  
(Kapolei Interchange Complex), Phase 2  
Federal Aid Project No. IM-HI-1 (261)  
Scale: 1" = 80'-0" Date: January 20, 2015  
SHEET No. L-3 OF 5 SHEETS

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

"AS-BUILT"



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(261)	2015	523	524

PLANT LIST

BOTANICAL NAME  
COMMON NAME

TREES	SIZE AND CONDITIONS	L-2	L-3	TOTAL
ACACIA KOAIA KOAIA	25 G.C. 8' HIGH, 6" SPD, 2" CAL.	30	16	46
ALEURITES MOUCCANA KUKUI NUT TREE	25 G.C. 8' HIGH, 6" SPD, 2" CAL.	9	7	16
CORDIA SUBCORDATA HAWAIIAN KOU	25 G.C. 8' HIGH, 6" SPD, 2" CAL.	9	12	21
PANDANUS TECTORIUS HALA	25 G.C. 8' HIGH, MULTI-BRANCHING	33	11	44

SHRUBS	SIZE AND CONDITIONS	L-2	L-3	TOTAL
SCAEVOLA FRUTESCENS NAUPAKA	1 G.C. @ 3'-0" O.C. S.F.	6,400	650	7,050

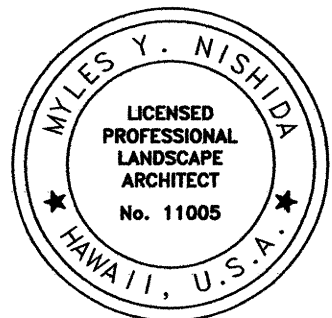
GRASS	SIZE AND CONDITIONS	L-2	L-3	TOTAL
<del>HETEROPOGON COMPTONII</del> <del>PILGRASS</del>	SEEDED S.F.	34,250	168,100	402,350

Common Bermuda Grass mixed with Annual  
Rye Grass

MISCELLANEOUS	SIZE AND CONDITIONS	L-2	L-3	TOTAL
MAINTENANCE PERIOD	DAYS			365
ORGANIC NON-NUTRIENT SOIL CONDITIONER	S.F., 5 CY./1,000 S.F.	320,650	168,750	489,400
ORGANIC NUTRIENT SOIL CONDITIONER	S.F., 150 LBS./1,000 S.F.	320,650	168,750	489,400
TEMPORARY IRRIGATION SYSTEM	S.F.	320,650	168,750	489,400

NOTES:

- CONTRACTOR SHALL VERIFY LOCATIONS OF ALL EXISTING UTILITY LINES PRIOR TO CONSTRUCTION OPERATIONS. ALL UTILITY LINES DAMAGED BY CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.
- FOR FINAL GRADING SEE CIVIL DRAWINGS.
- CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR TO VERIFY EXACT LOCATIONS OF ALL TREES WITH THE ARCHITECT PRIOR TO COMMENCEMENT OF PLANTING OPERATIONS.
- THE PLANT LIST QUANTITIES ARE APPROXIMATE AND SHOULD SERVE ONLY AS A GUIDE FOR THE CONTRACTOR. ALL WORK INDICATED ON THE DRAWINGS BY NOTES SHALL BE PROVIDED WHETHER OR NOT SPECIFICALLY MENTIONED IN THE PLANT LIST. PLANTS AND GROUNDCOVERS SHALL BE FURNISHED IN QUANTITIES AS REQUIRED TO COVER THE AREAS INDICATED ON THE PLANS AT THE SPACE NOTED. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES BEFORE BIDDING.
- ALL TREES TO BE PLACED 5 FEET MINIMUM AWAY FROM ALL UTILITY LINES.
- CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON PROJECT SITE PRIOR TO CONSTRUCTION.



THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION.

*Myles Y. Nishida*  
WALTERS, KIMURA, MOTODA, INC. LIC. EXP. DATE  
APRIL 30, 2016

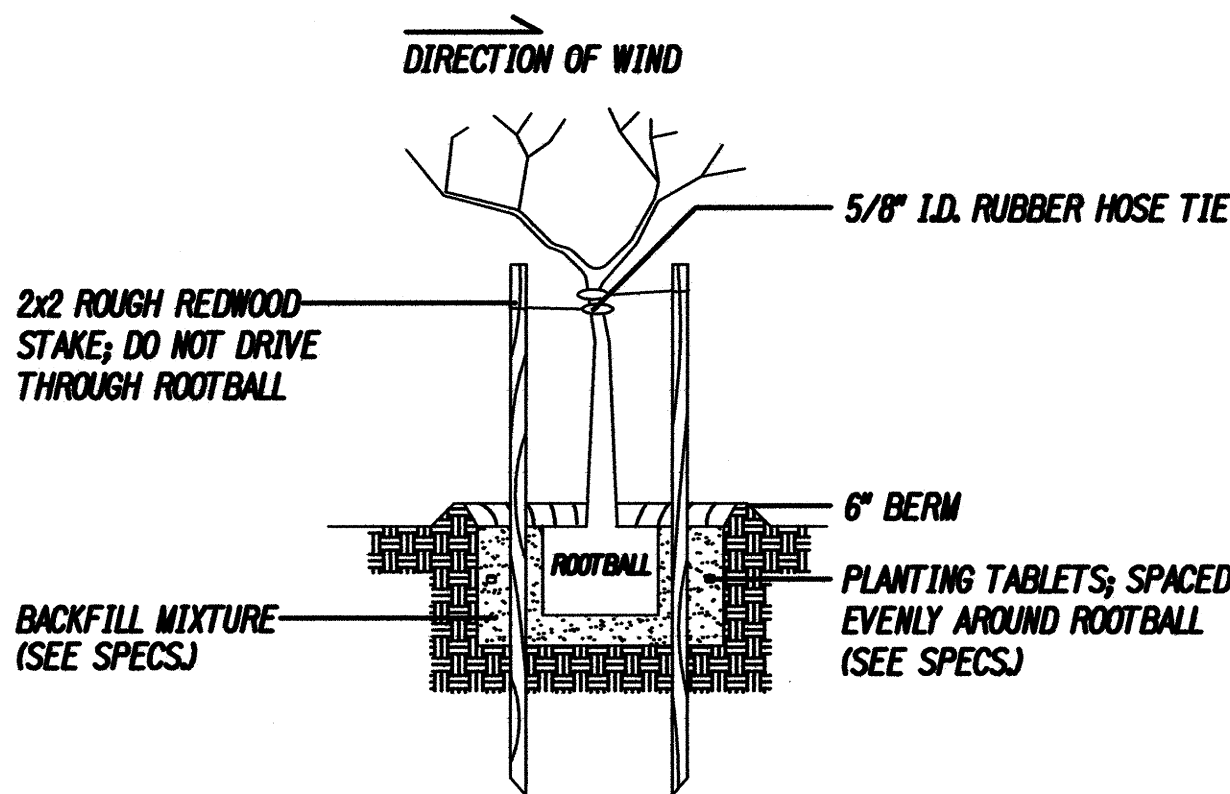
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

PLANT LIST, NOTES AND DETAILS

INTERSTATE ROUTE H-1  
ADDITION AND MODIFICATION OF FREEWAY ACCESS  
(Kapolei Interchange Complex), Phase 2  
Federal-Aid Project No. IM-HI-1 (261)

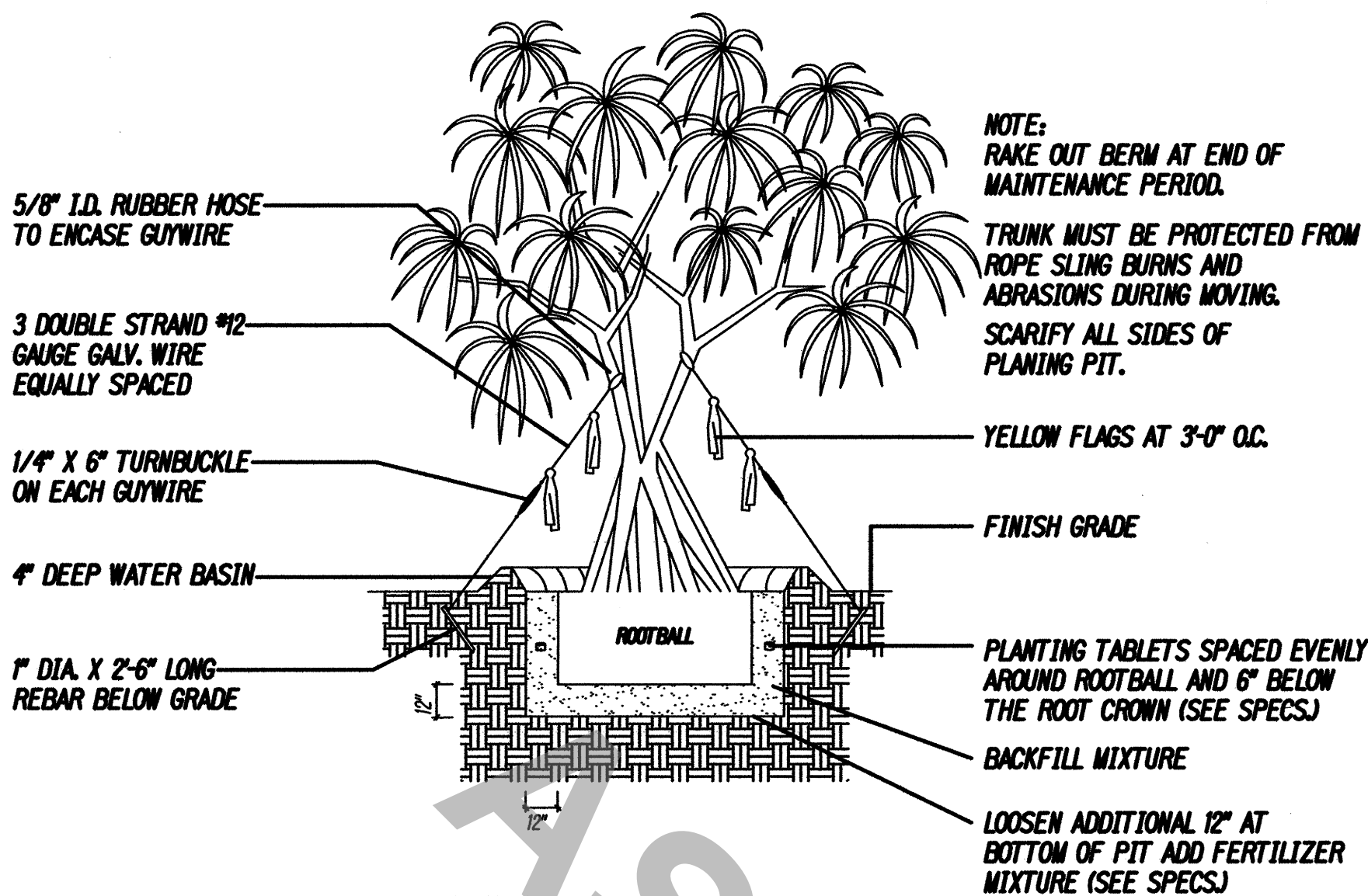
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SHEET No. L-4 OF 5 SHEETS



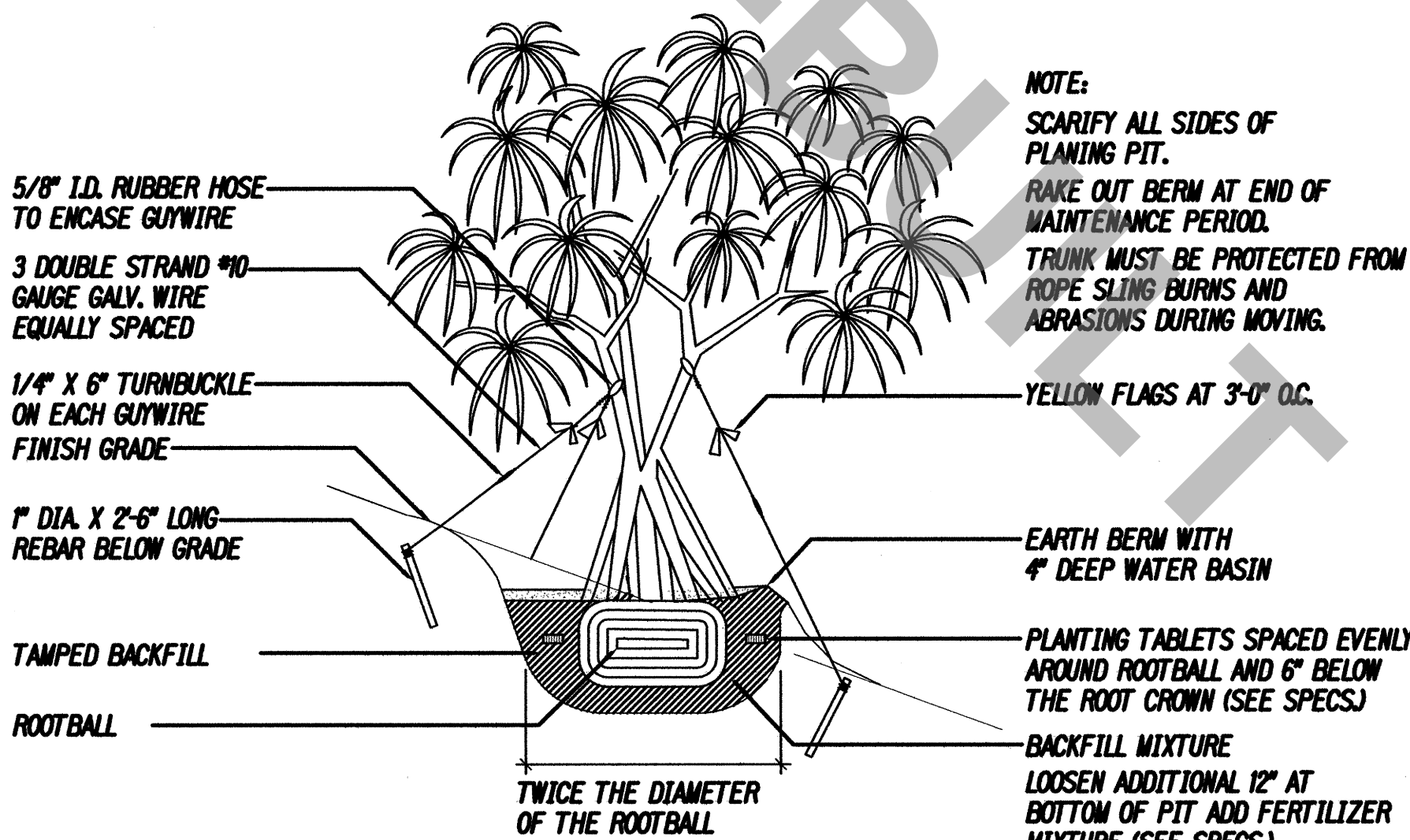
25 G.C. TREE DETAIL  
NO SCALE

3  
L-4/L-4



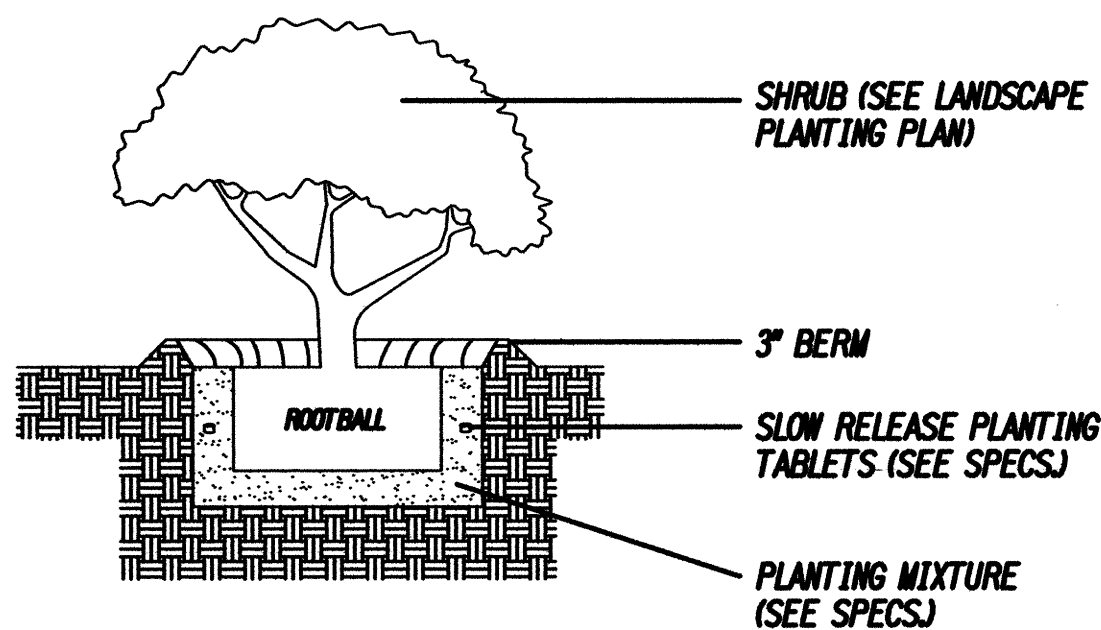
HALA PLANTING DETAIL  
NO SCALE

2  
L-4/L-4



HALA ON SLOPING  
GRADE DETAIL  
NO SCALE

1  
L-4/L-4



SHRUB DETAIL  
NO SCALE

4  
L-4/L-4

DATE	.....
SURVEY PLOTTED BY	.....
ORIGINAL PLAN	.....
NO. BOOK	.....
DESIGNED BY	.....
TRACED BY	.....
QUANTITIES BY	.....
CHECKED BY	.....
No.	.....



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(261)	2015	ADD. 524	524

**SOIL PREPARATION NOTES:**

- CONTRACTOR TO UTILIZE EXISTING SOIL FOR THE PROJECT. FINISH GRADE OF THE COMPLETED PROJECT SHALL REMAIN APPROXIMATELY THE SAME AS EXISTING GRADE. PRESERVE EXISTING DRAINAGE PATTERNS. SOIL PREPARATION NOTES APPLY TO ALL AREAS.
- DO NOT SCREEN EXISTING SOIL.
- USE LOCALLY AVAILABLE COMPOST SUCH AS HAWAIIAN EARTH PRODUCTS COMPOST.
- DO NOT WORK THE SOIL WHEN AIR OR SOIL IS SO MOIST THAT EXCESSIVE COMPACTION OCCURS OR 4. SO DRY THAT DUST FORMS. APPLY WATER IF NECESSARY TO BRING SOIL TO OPTIMAL MOISTURE CONTENT FOR TILLING, PLANTING AND DUST CONTROL.
- REMOVE AND DISPOSE OF TOP LAYER OF ROAD SILT.
- REMOVE AND DISPOSE OF PLASTICS, GLASS, GRAVEL, PLASTIC AND METAL HEADER, TRASH AND STONES 6. GREATER THAN 1 INCH DIAMETER AS A RESULT OF SOIL PREPARATION.
- THE CONTRACTOR SHALL ONLY PERFORM SOIL PREPARATION TO THE EXTENT THAT CAN BE COMPLETED BY THE END OF THE WORK DAY. ANY EXPOSED SOILS AT THE END OF THE WORK DAY SHALL BE COVERED WITH COMPOST.

**PHASE I**

- PRIOR TO CONSTRUCTION, UNIFORMLY SPREAD TWO INCHES OF COMPOST OVER ENTIRE AREA TO BE PLANTED.
- SCARIFY THE TOP 12 INCHES OF EXISTING SOIL.
- APPLY GENEROUS AMOUNTS OF WATER TO BREAK SOIL CLUMPS TO BETWEEN ONE INCH AND SIX INCHES IN DIAMETER.

**PHASE II**

- APPLY 2 INCHES OF COMPOST AND MECHANICALLY INCORPORATE INTO THE TOP 6 INCHES OF SOIL. AFTERWARDS DO NOT ALLOW VEHICLES OR EQUIPMENT ON PLANTING AREA.

**PHASE III**

- GRADE SOIL TO A SMOOTH AND EVEN FINISH WITHOUT ABRUPT CHANGES OR POCKETS.

NOTE: IN AREAS OF CUT SLOPES AND ENGINEERED COMPACTED FILL, PROVIDE TWO INCHES OF COMPOST OVER ENTIRE AREA TO BE PLANTED. DO NOT TILL INTO EXISTING SOIL. (SEE CIVIL DRAWINGS FOR CUT AND FILL AREAS.)

2

NOTE: AFTER THE COMPLETION OF THE SOIL PREPARATION, REMOVE THE TOP TWO INCHES OF SOIL WITHIN 12 INCHES OF THE PAVEMENT EDGE, CAREFUL NOT TO DAMAGE THE PAVEMENT. REPAIR ALL DAMAGED PAVEMENT AND CURB AS A RESULT OF CONSTRUCTION ACTIVITY AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

PROTECT 14 UNDISTURBED SUBGRADE SLOPE

EXISTING FINISH GRADE

12"

EXISTING PAVEMENT

EXISTING PAVEMENT GRAVEL BASE

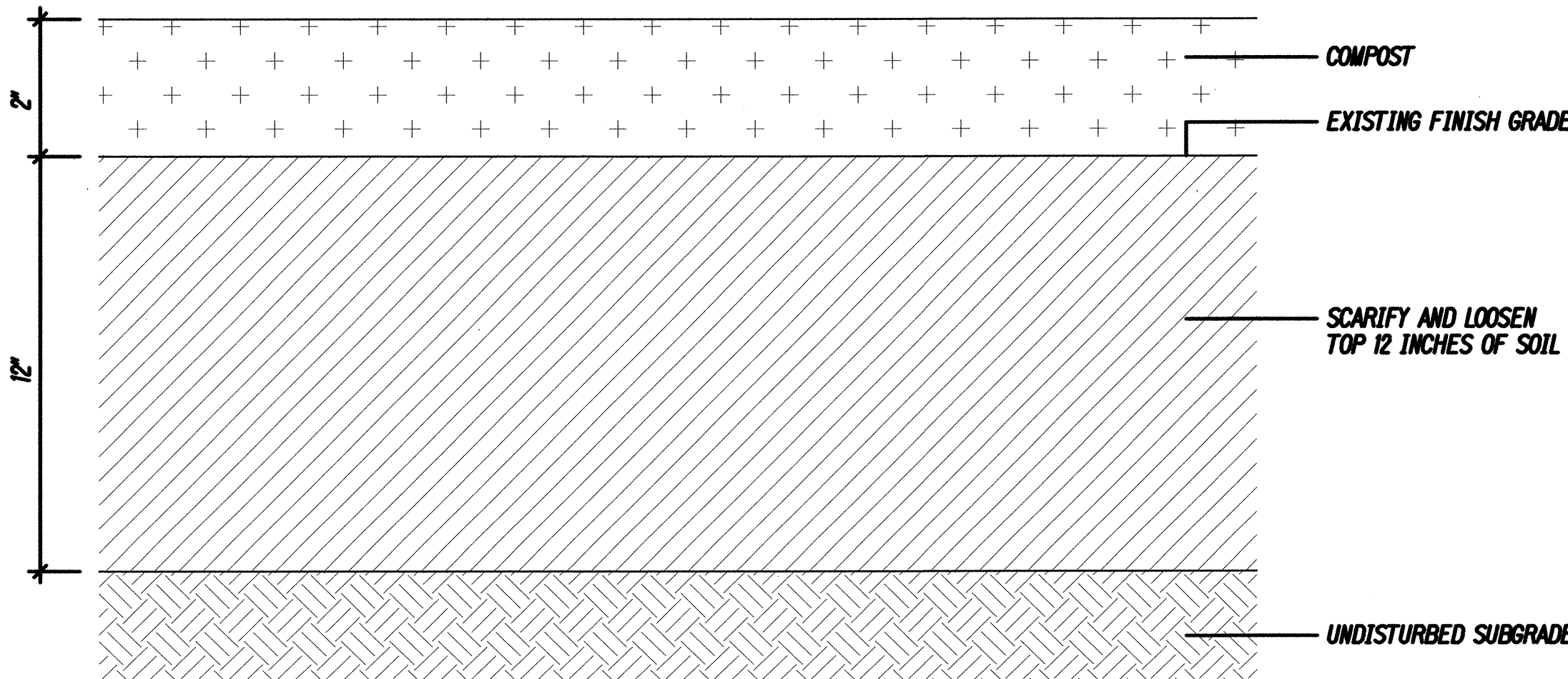
UPGRADE

LOOSENEO SOIL

**PAVEMENT EDGE PROTECTION DETAIL**

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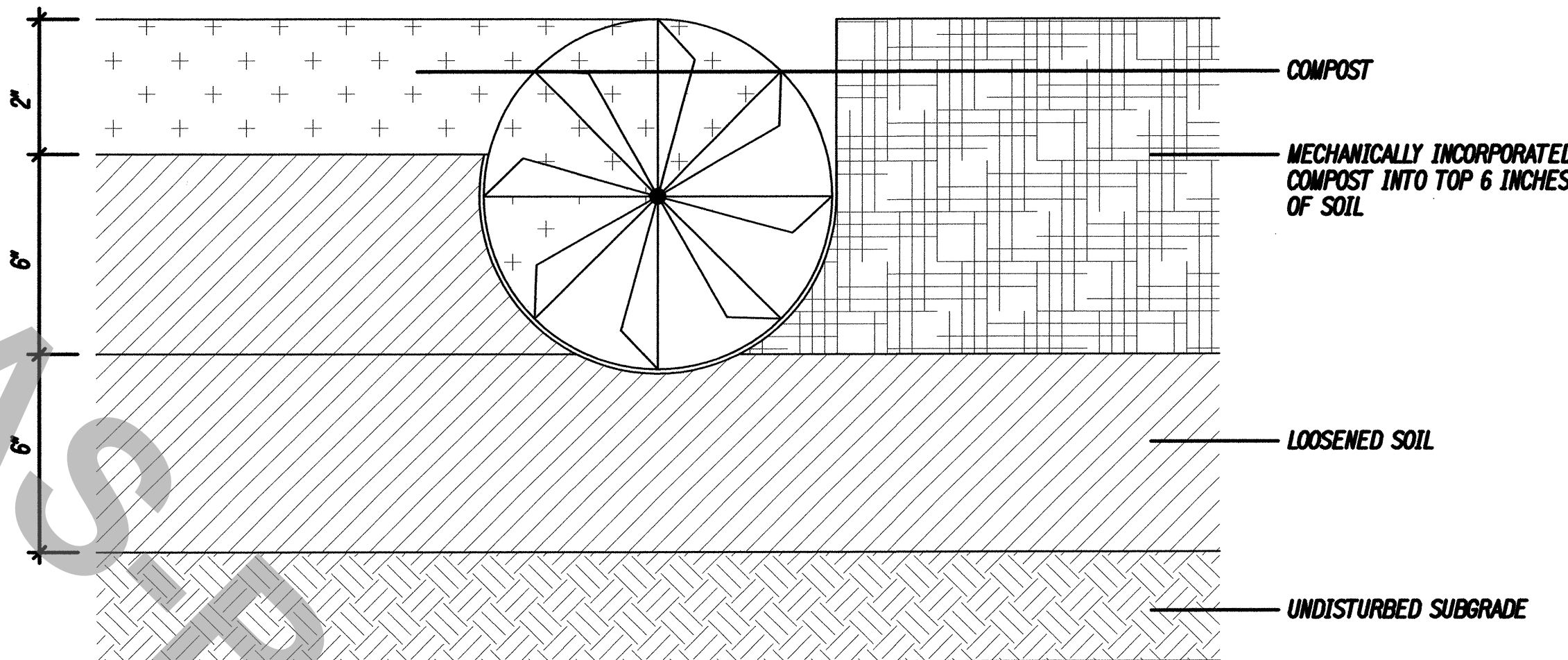
1  
L-5/L-5



**SOIL PREPARATION PROCESS PHASE I**

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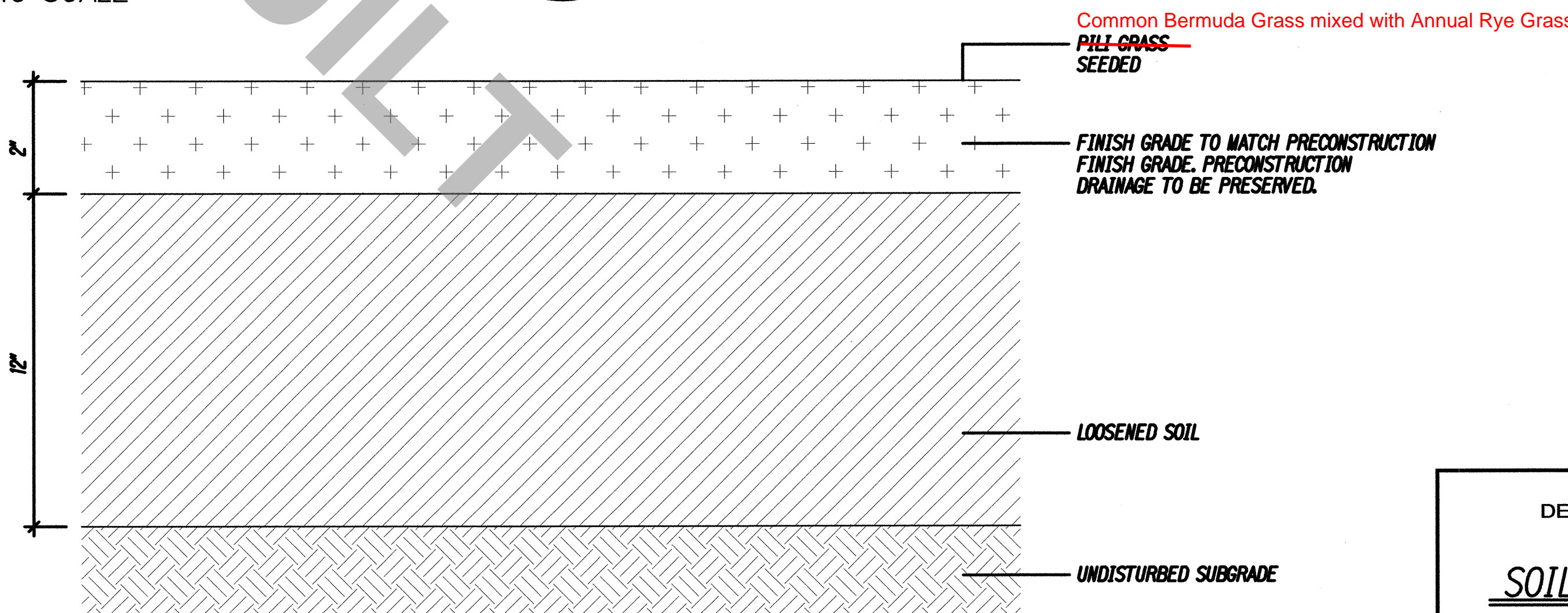
2  
L-5/L-5



**SOIL PREPARATION PROCESS PHASE II**

NO SCALE

3  
L-5/L-5



**SOIL PREPARATION PROCESS PHASE III**

NO SCALE

4  
L-5/L-5

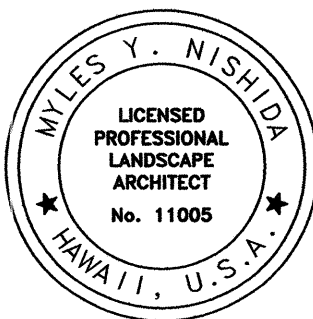
2

5/18/15

Added Note For Soil Amendment

DATE

REVISION



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

MILES Y. NISHIDA  
WALTERS, KIMURA, MOTODA, INC. U.C. EXP. DATE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SOIL PREPARATION DETAILS**

INTERSTATE ROUTE H-1  
ADDITION AND MODIFICATION OF FREEWAY ACCESS  
(Kapolei Interchange Complex), Phase 2  
Federal-Aid Project No. IM-HI-1 (261)  
Scale: NO SCALE Date: January 20, 2015

SHEET No. L-5 OF 5 SHEETS

"AS-BUILT"

ADD. 524