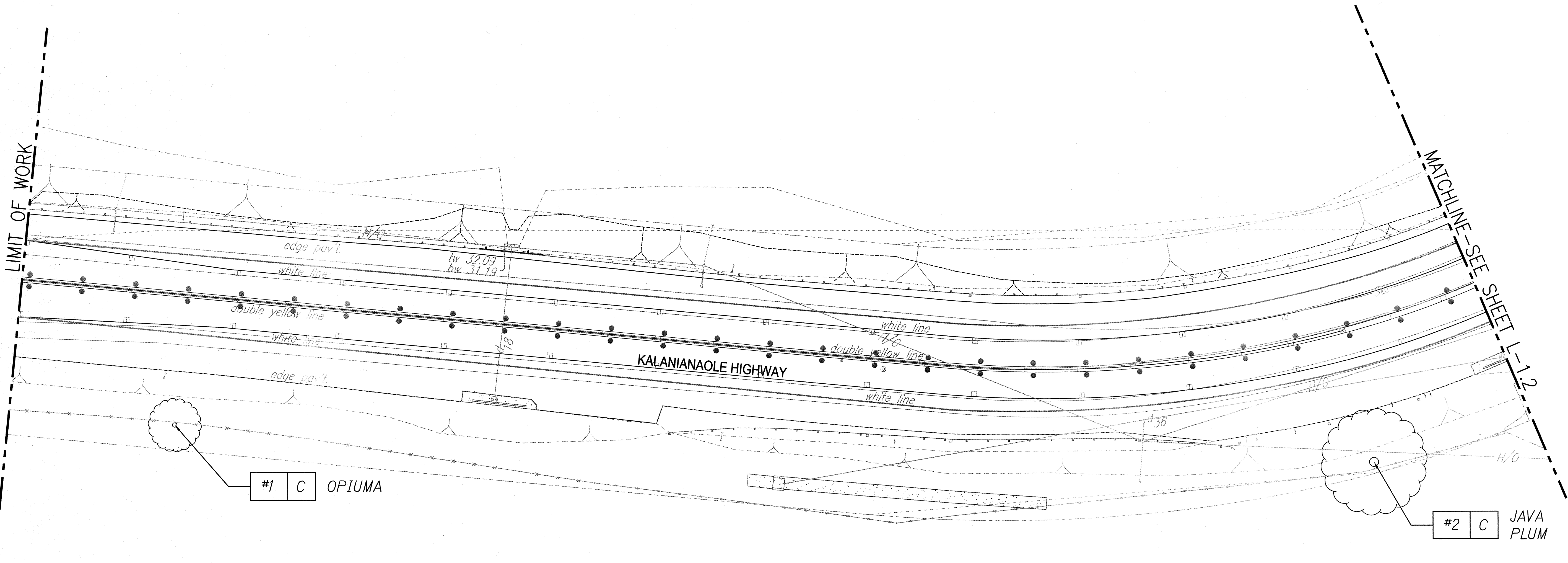


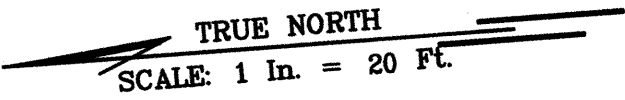
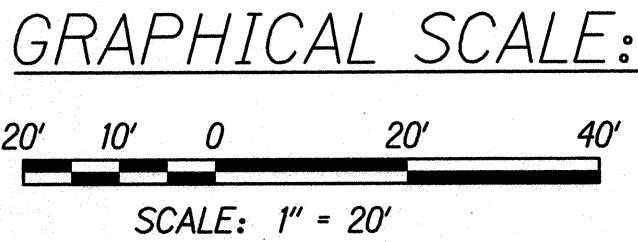
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(53)	2015	82	117



NOTE:
UNLESS OTHERWISE NOTED, CLEAR AND GRUB GROUND COVERS AND SHRUBS THAT ARE WITHIN R.O.W. THAT ARE AFFECTED BY CONSTRUCTION.

TREE DISPOSITION LEGEND

- #? TREE NUMBER
- A TREES TO BE REMOVED. GRUB ALL PROPOSED PLANTING AREAS. SEE SPECIFICATION SECTION 201.
- B TREES TO BE RELOCATED
- C TREES TO REMAIN AND PROTECTED



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



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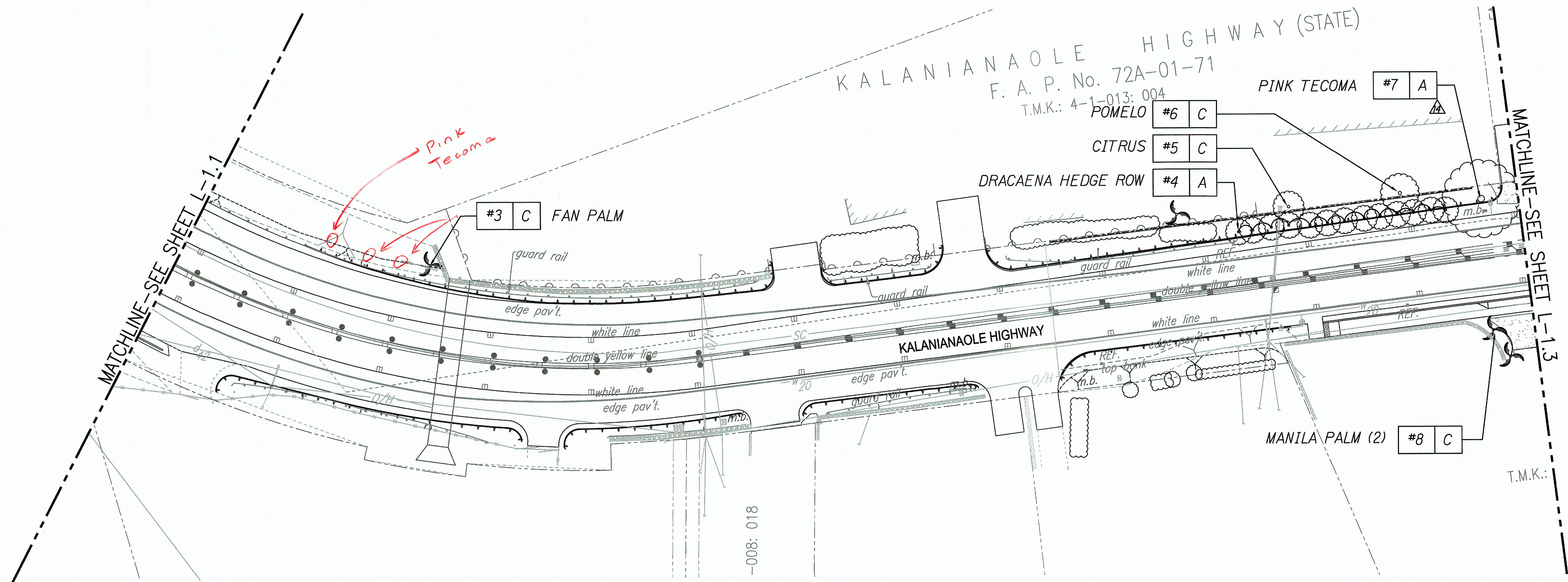
Joel N. Kurokawa 07/30/16
SIGNATURE EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TREE DISPOSITION PLAN 1

KALANIANAʻOLE HIGHWAY IMPROVEMENTS, PHASE 1
Olomana Golf Course To Vicinity of Poalima St.
Federal Aid Project No. NH-072-1(53)
Scale: AS NOTED Date: July, 2015
SHEET No. L-1.1 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(53)	2015	83	117

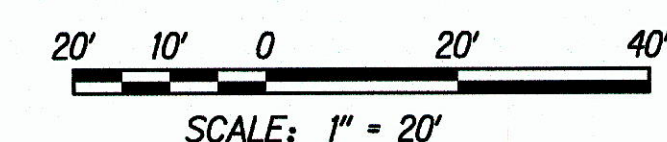


NOTE:
UNLESS OTHERWISE NOTED, CLEAR AND GRUB GROUND COVERS AND SHRUBS THAT ARE WITHIN R.O.W. THAT ARE AFFECTED BY CONSTRUCTION.

TREE DISPOSITION LEGEND

- #? TREE NUMBER
- A TREES TO BE REMOVED. GRUB ALL PROPOSED PLANTING AREAS. SEE SPECIFICATION SECTION 201.
- B TREES TO BE RELOCATED
- C TREES TO REMAIN AND PROTECTED

GRAPHICAL SCALE:

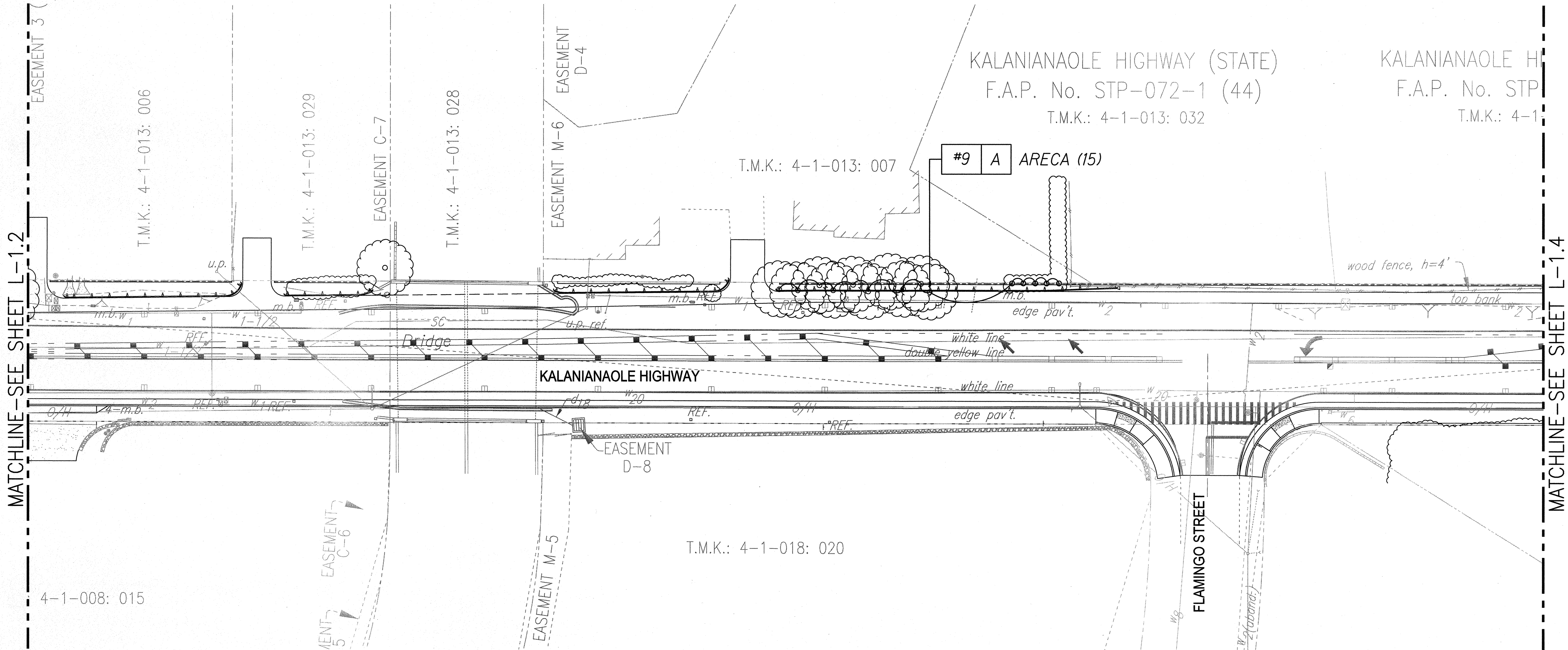


07/03/18	EXISTING PINK TECOMA REMOVAL
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
TREE DISPOSITION PLAN 2	
KALANIANA'OLE HIGHWAY IMPROVEMENTS, PHASE 1 Olomana Golf Course To Vicinity of Poalima St. Federal Aid Project No. NH-072-1(53)	
Scale: AS NOTED	Date: July, 2015
SHEET No. L-1.2 OF 8 SHEETS	

"AS-BUILT"

C.O. 83

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(53)	2015	84	117

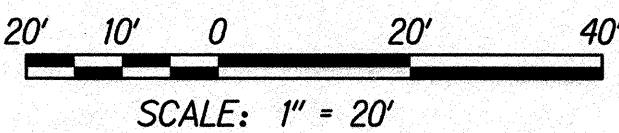


NOTE:
UNLESS OTHERWISE NOTED, CLEAR AND GRUB GROUND COVERS AND SHRUBS THAT ARE WITHIN R.O.W. THAT ARE AFFECTED BY CONSTRUCTION.

TREE DISPOSITION LEGEND

- #? TREE NUMBER
- A TREES TO BE REMOVED. GRUB ALL PROPOSED PLANTING AREAS. SEE SPECIFICATION SECTION 201.
- B TREES TO BE RELOCATED
- C TREES TO REMAIN AND PROTECTED

GRAPHICAL SCALE:



TRUE NORTH
SCALE: 1 in. = 20 ft



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
[Signature]
SIGNATURE
07/30/16
EXPIRATION DATE OF THE LICENSE

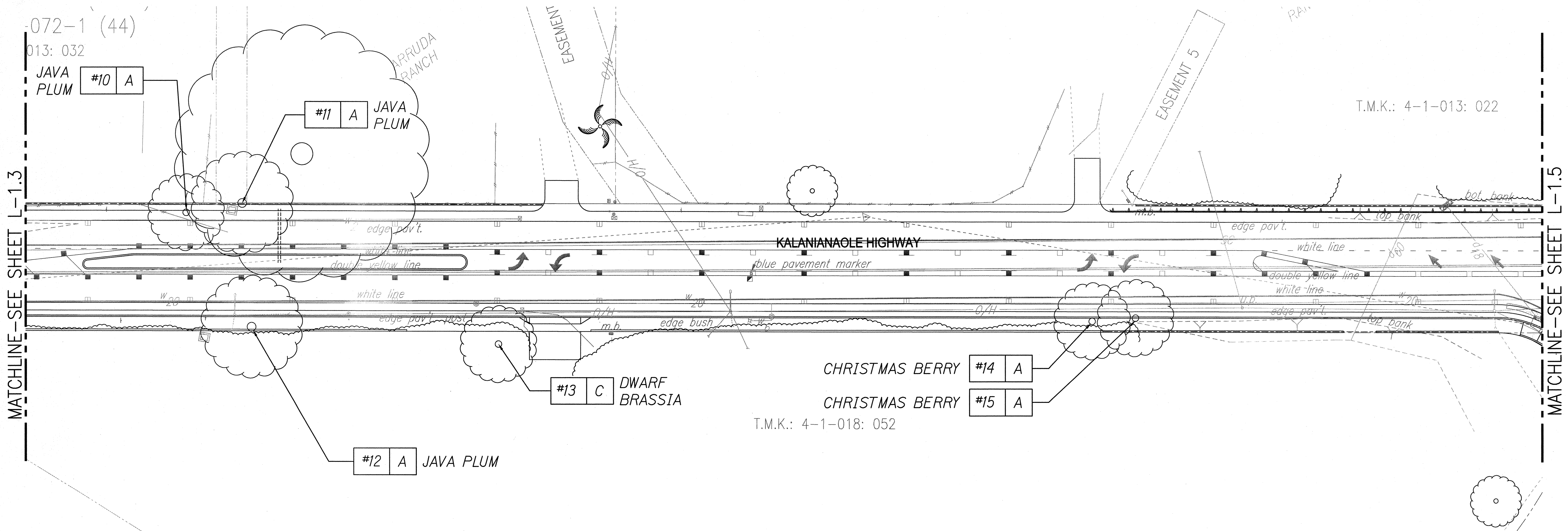
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TREE DISPOSITION PLAN 3

KALANIANA'OLE HIGHWAY IMPROVEMENTS, PHASE 1
Olomana Golf Course To Vicinity of Poalima St.
Federal Aid Project No. NH-072-1(53)

Scale: AS NOTED Date: July, 2015
SHEET No. L-1.3 OF 8 SHEETS

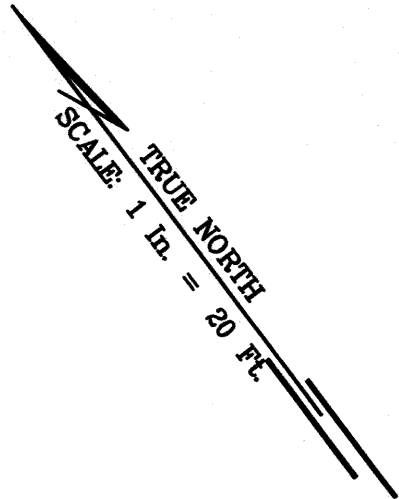
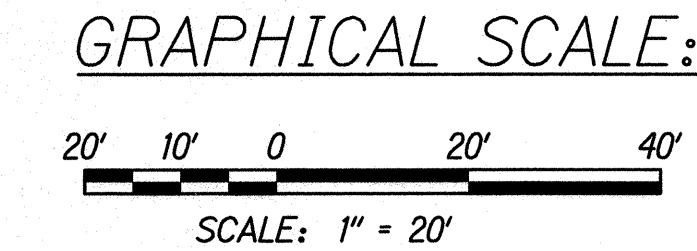
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(53)	2015	85	117



NOTE:
UNLESS OTHERWISE NOTED, CLEAR AND GRUB GROUND COVERS AND SHRUBS THAT ARE WITHIN R.O.W. THAT ARE AFFECTED BY CONSTRUCTION.

TREE DISPOSITION LEGEND

- #? TREE NUMBER
- A TREES TO BE REMOVED. GRUB ALL PROPOSED PLANTING AREAS. SEE SPECIFICATION SECTION 201.
- B TREES TO BE RELOCATED
- C TREES TO REMAIN AND PROTECTED



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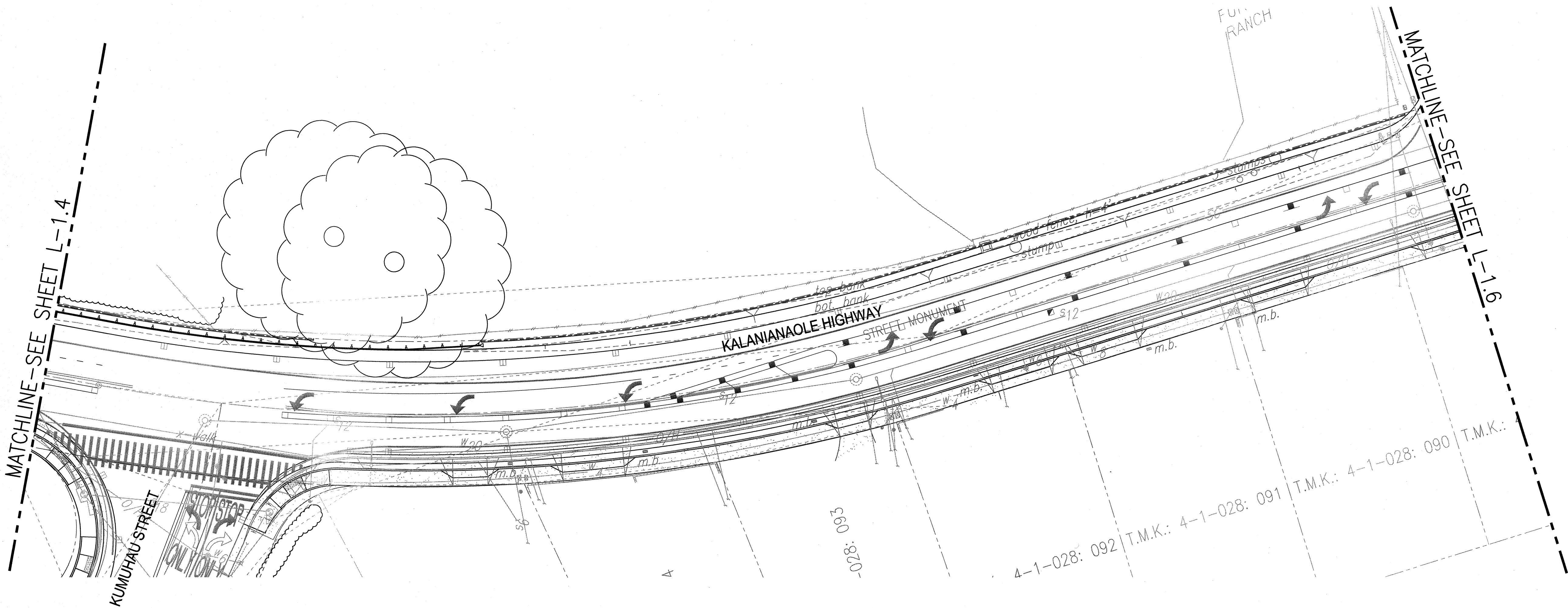
Joel N. Kurokawa 04/30/16

SIGNATURE EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TREE DISPOSITION PLAN 4
KALANIANA'OLE HIGHWAY IMPROVEMENTS, PHASE 1
Olomana Golf Course To Vicinity of Poalima St.
Federal Aid Project No. NH-072-1(53)
Scale: AS NOTED Date: July, 2015
SHEET No. L-1.4 OF 8 SHEETS

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

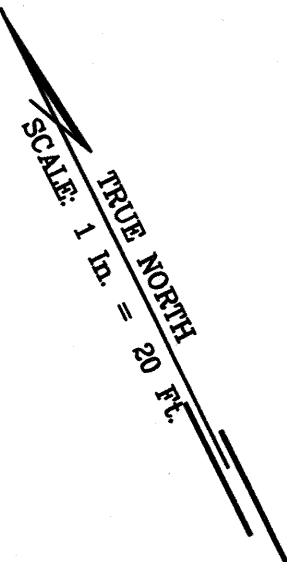
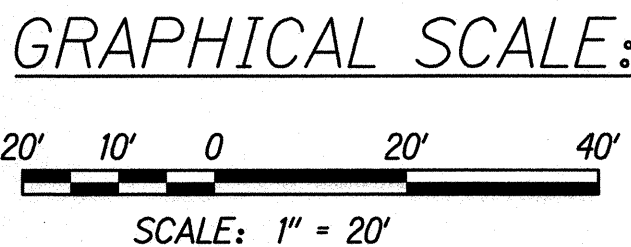
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(53)	2015	86	117



NOTE:
UNLESS OTHERWISE NOTED, CLEAR AND GRUB GROUND COVERS AND SHRUBS THAT ARE WITHIN R.O.W. THAT ARE AFFECTED BY CONSTRUCTION.

TREE DISPOSITION LEGEND

- #? TREE NUMBER
- A TREES TO BE REMOVED. GRUB ALL PROPOSED PLANTING AREAS. SEE SPECIFICATION SECTION 201.
- B TREES TO BE RELOCATED
- C TREES TO REMAIN AND PROTECTED



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Joel N. Kurokawa

SIGNATURE

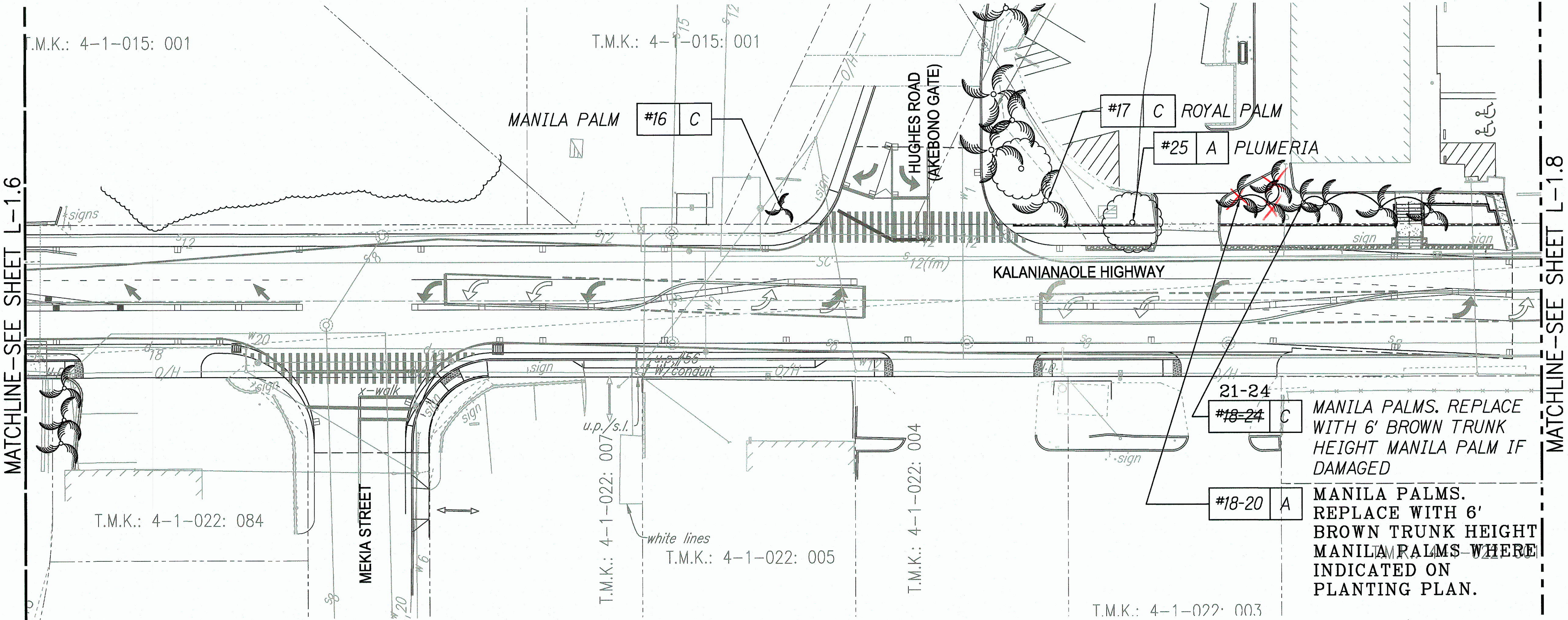
04/30/16

EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TREE DISPOSITION PLAN 5
KALANIANAʻOLE HIGHWAY IMPROVEMENTS, PHASE 1
Olomana Golf Course To Vicinity of Poalima St.
Federal Aid Project No. NH-072-1(53)
Scale: AS NOTED Date: July, 2015
SHEET No. L-1.5 OF 8 SHEETS

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

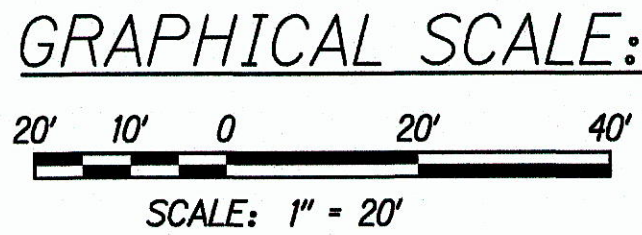
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(53)	2015	88	117



NOTE:
UNLESS OTHERWISE NOTED, CLEAR AND GRUB GROUND COVERS AND SHRUBS THAT ARE WITHIN R.O.W. THAT ARE AFFECTED BY CONSTRUCTION.

TREE DISPOSITION LEGEND

- #? TREE NUMBER
- A TREES TO BE REMOVED. GRUB ALL PROPOSED PLANTING AREAS. SEE SPECIFICATION SECTION 201.
- B TREES TO BE RELOCATED
- C TREES TO REMAIN AND PROTECTED



LEGEND FOR AS-BUILT POSTINGS

Squiggly line for as-built deletion

Double line for as-built deletion

Roadway Text for as-built posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TREE DISPOSITION PLAN 7

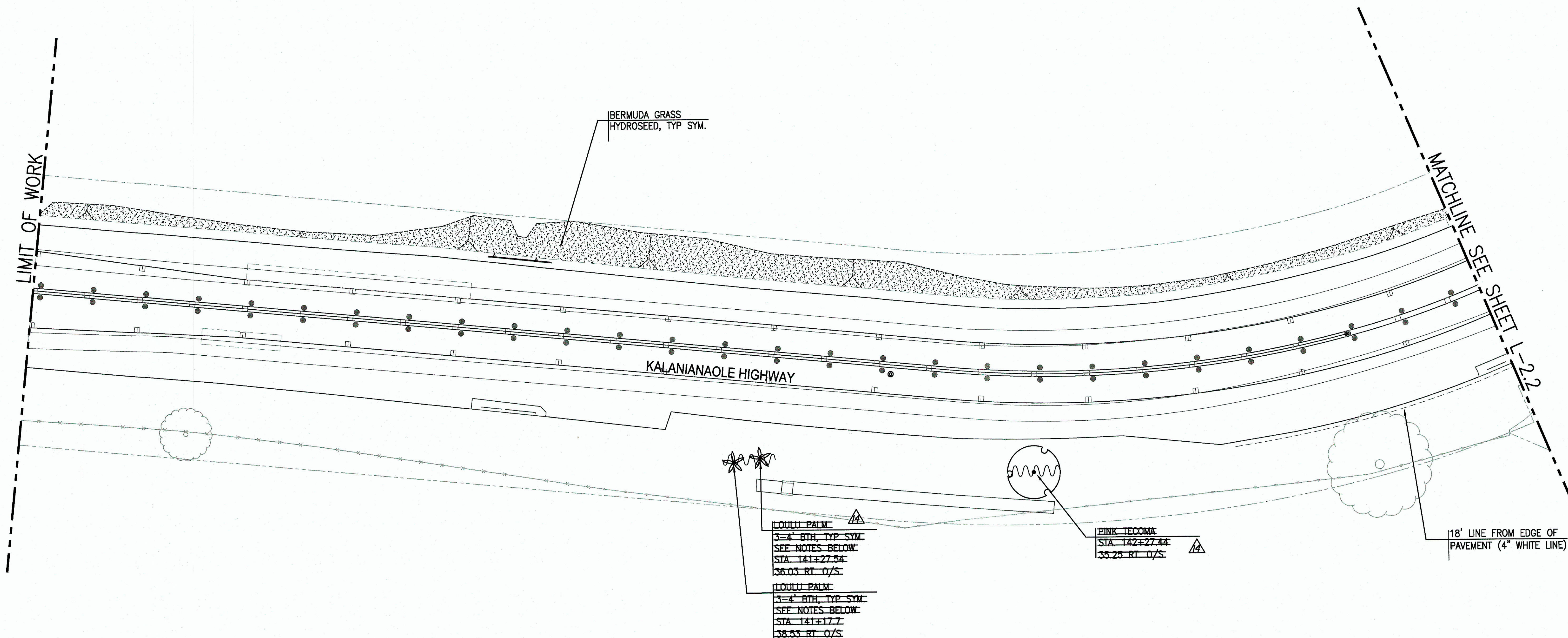
KALANIANA'OLE HIGHWAY IMPROVEMENTS, PHASE 1
Olomana Golf Course To Vicinity of Poalima St.
Federal Aid Project No. NH-072-1(53)

Scale: AS NOTED Date: July, 2015

SHEET No. L-1.7 OF 8 SHEETS

"AS-BUILT"

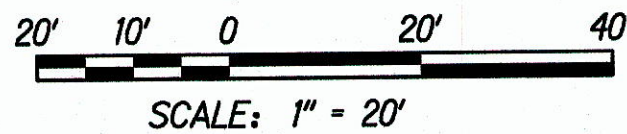
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(53)	2015	90	117



NOTES:

1. CONTRACTOR TO PROVIDE TEMPORARY IRRIGATION FOR BERMUDA GRASS.
2. FOR PINK TECOMA AND PALMS, AMEND EXISTING SOIL WITH ORGANIC AMENDMENTS AND ADD 5' DIAMETER WOOD CHIP MULCH RING.
3. NO STAKING NEEDED FOR 2 PALMS.

GRAPHICAL SCALE:



LEGEND FOR AS-BUILT POSTINGS

- Squiggly line for as-built deletion
- Double line for as-built deletion
- Roadway Text for as-built posting

TRUE NORTH
SCALE: 1 in. = 20 ft.

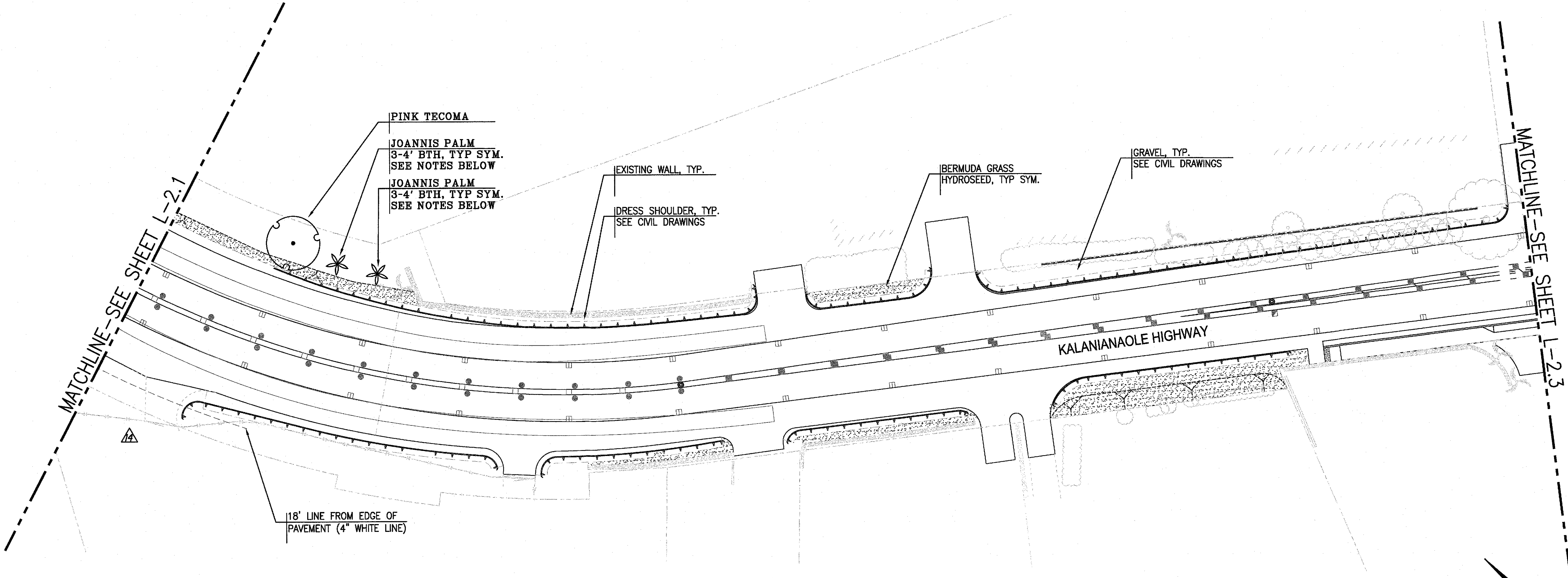
07/03/18	NEW PINK TECOMA AND PALMS LOCATIONS, ADDED NOTE #2 & 3
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
LANDSCAPE PLAN 1	
KALANIANAʻOLE HIGHWAY IMPROVEMENTS, PHASE I Olomana Golf Course To Vicinity of Poalima St. Federal Aid Project No. NH-072-1(53)	
Scale: AS NOTED	Date: July, 2015
SHEET No. L-21 OF 8 SHEETS	

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

"AS-BUILT"

C.O. 90

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(53)	2015	91	117

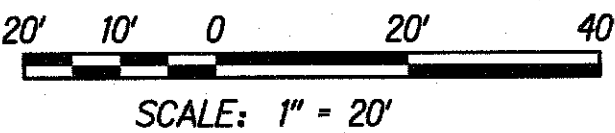


SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

NOTES:

- CONTRACTOR TO PROVIDE TEMPORARY IRRIGATION FOR BERMUDA GRASS, TREES AND PALMS.
- FOR PINK TECOMA AND PALMS, AMEND EXISTING SOIL WITH ORGANIC AMENDMENTS AND ADD 5' DIAMETER WOOD CHIP MULCH RING.
- NO STAKING NEEDED FOR 2 PALMS

GRAPHICAL SCALE:

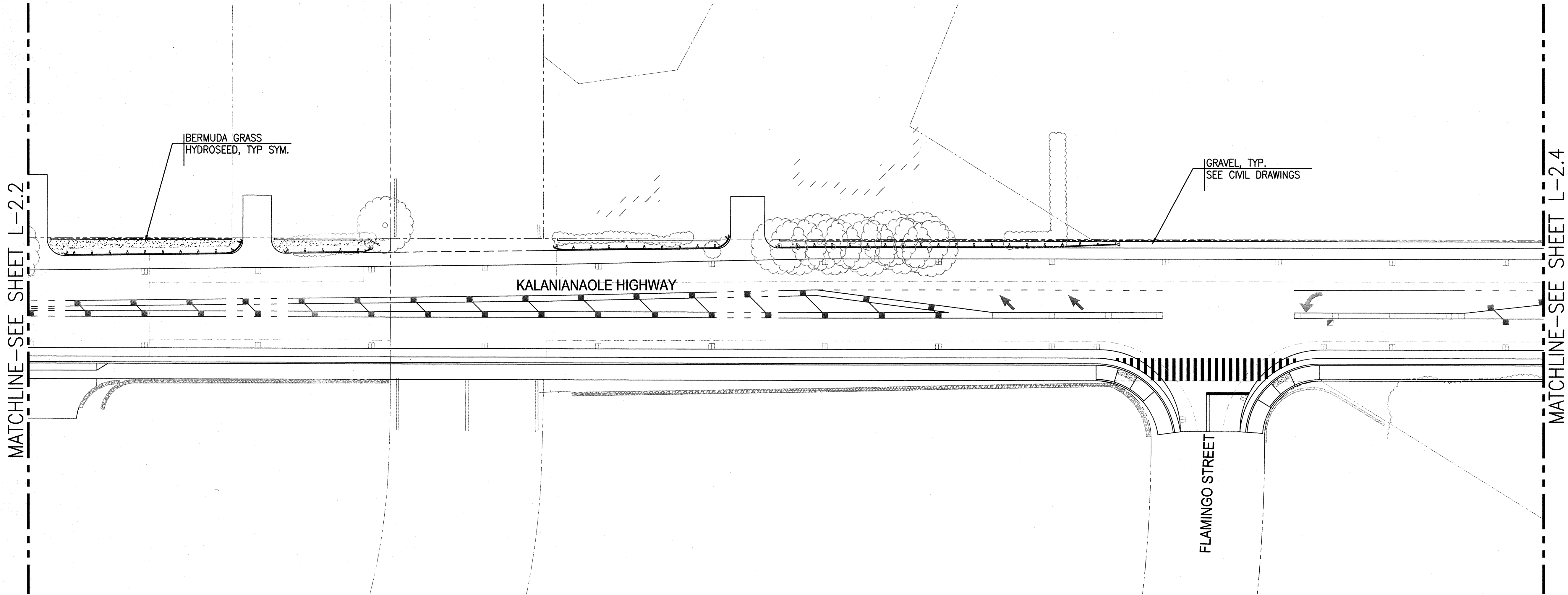


LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

07/03/18	REMOVED PALMS AND NOTES #2 & 3
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
LANDSCAPE PLAN 2	
KALANIANA'OLE HIGHWAY IMPROVEMENTS, PHASE I Olomana Golf Course To Vicinity of Poalima St. Federal Aid Project No. NH-072-1(53)	
Scale: AS NOTED	Date: July, 2015
SHEET No. L-2.2 OF 8 SHEETS	

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(53)	2015	92	117



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTED BY	
CHECKED BY	

NOTE:
CONTRACTOR TO PROVIDE TEMPORARY IRRIGATION FOR BERMUDA GRASS.

GRAPHICAL SCALE:
20' 10' 0 20' 40'
SCALE: 1" = 20'

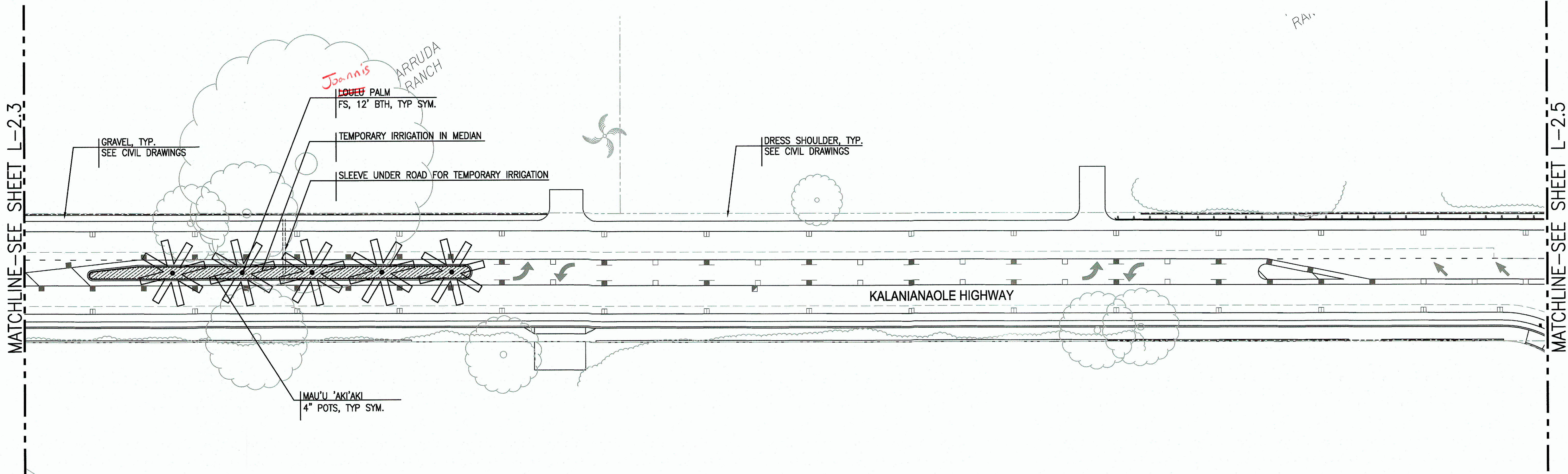


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Joel N. Kurokawa
SIGNATURE
04/30/16
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
LANDSCAPE PLAN 3

KALANIANAʻOLE HIGHWAY IMPROVEMENTS, PHASE 1
Olomana Golf Course To Vicinity of Poalima St.
Federal Aid Project No. NH-072-1(53)
Scale: AS NOTED Date: July, 2015
SHEET No. L-2.3 OF 8 SHEETS

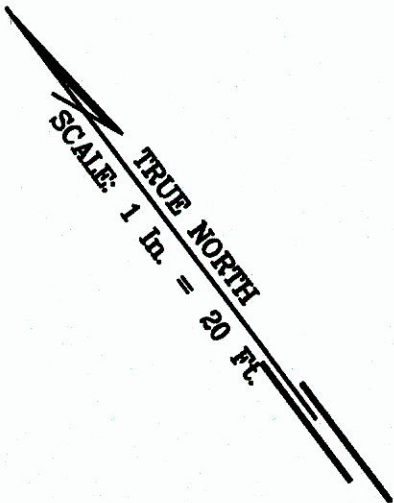
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(53)	2015	93	117



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	

NOTE:
CONTRACTOR TO PROVIDE TEMPORARY IRRIGATION FOR BERMUDA GRASS AND MEDIAN PLANTING.

GRAPHICAL SCALE:
20' 10' 0 20' 40'
SCALE: 1" = 20'



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LANDSCAPE PLAN 4

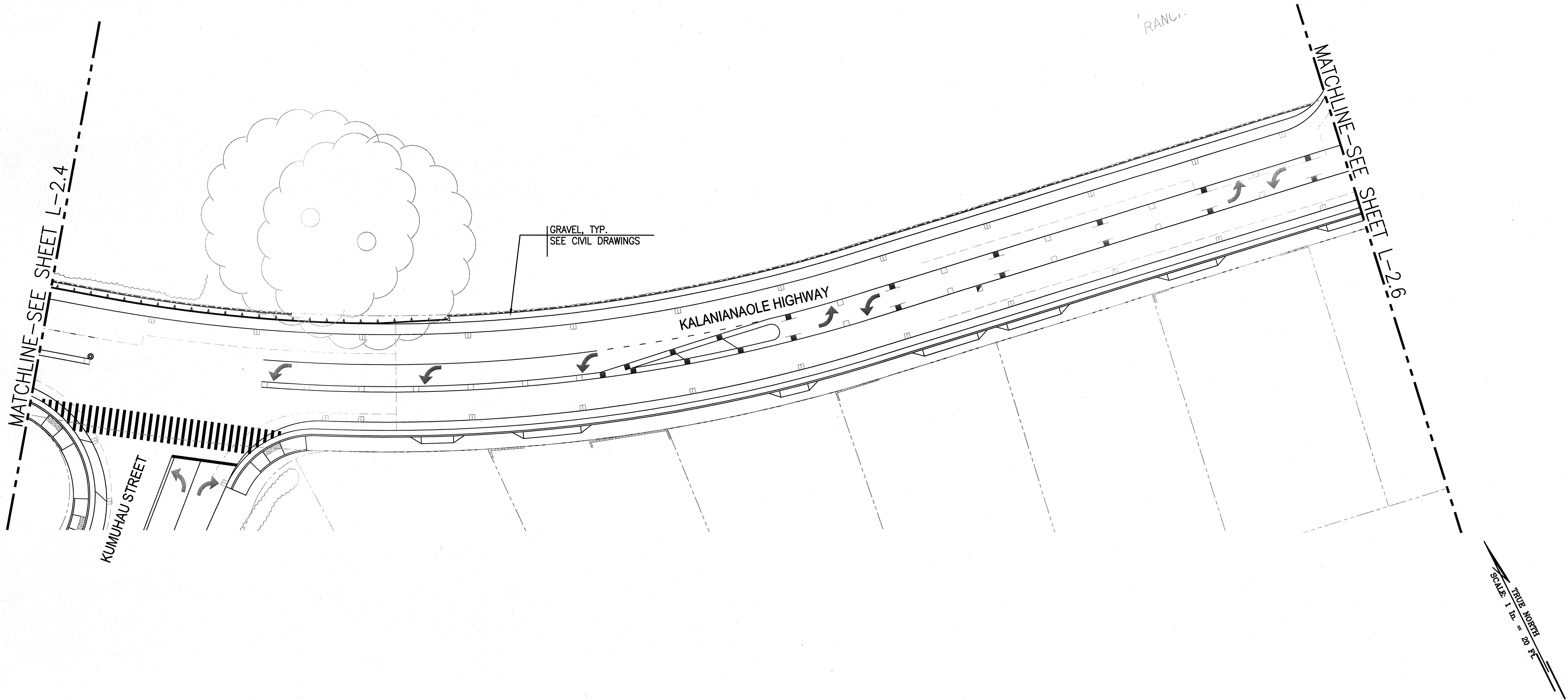
KALANIANAʻOLE HIGHWAY IMPROVEMENTS, PHASE 1
Olomana Golf Course To Vicinity of Poalima St.
Federal Aid Project No. NH-072-1(53)

Scale: AS NOTED Date: July, 2015

SHEET No. L-2.4 OF 8 SHEETS

"AS-BUILT"

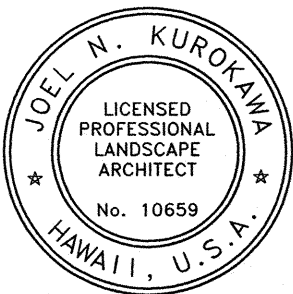
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(53)	2015	94	117



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTED BY	
CHECKED BY	
NO.	

NOTE:
CONTRACTOR TO PROVIDE TEMPORARY
IRRIGATION FOR BERMUDA GRASS.

GRAPHICAL SCALE:
20' 10' 0 20' 40'
SCALE: 1" = 20'



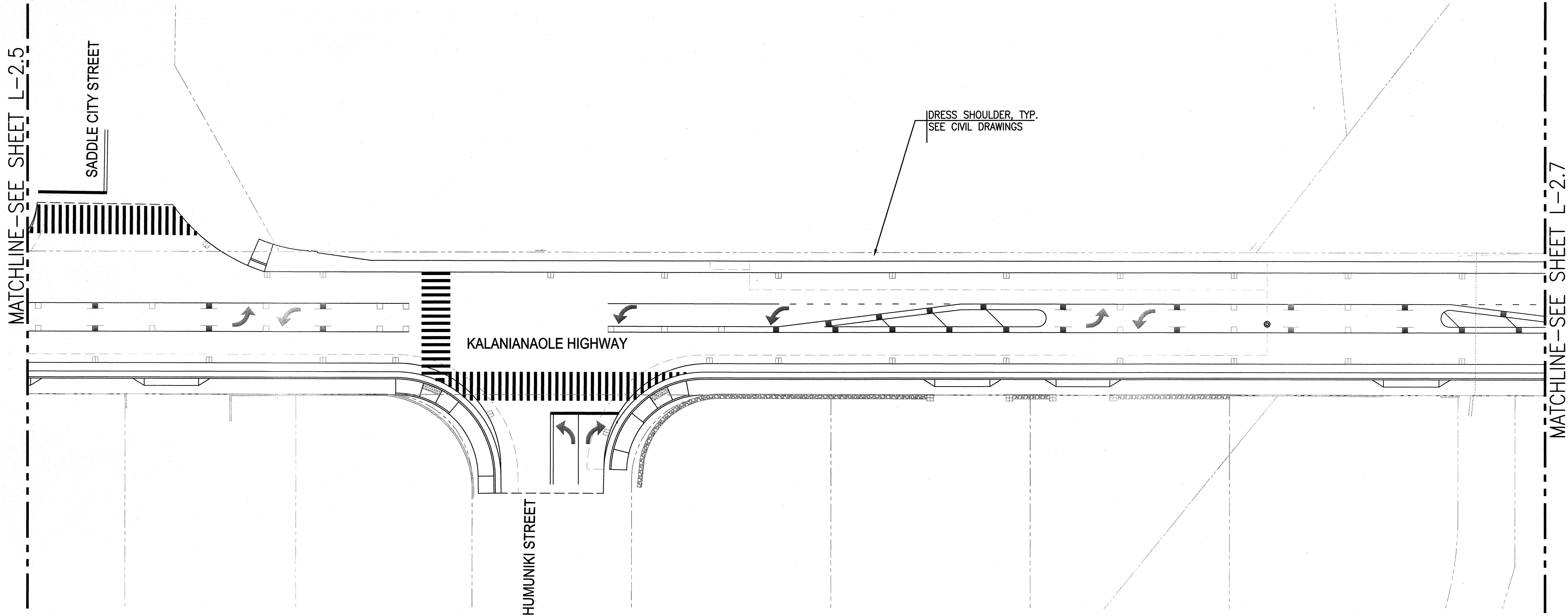
THIS WORK WAS PREPARED BY ME OR
UNDER MY SUPERVISION
Joel N. Kurokawa 07/30/16
SIGNATURE EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LANDSCAPE PLAN 5

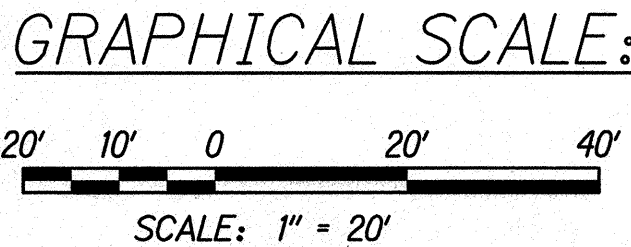
KALANIANA'OLE HIGHWAY IMPROVEMENTS, PHASE 1
Olomana Golf Course To Vicinity of Poalima St.
Federal Aid Project No. NH-072-1(53)
Scale: AS NOTED Date: July, 2015
SHEET No. L-2.5 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(53)	2015	95	117



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTED BY	
CHECKED BY	

NOTE:
CONTRACTOR TO PROVIDE TEMPORARY IRRIGATION FOR BERMUDA GRASS.



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Joel N. Kurokawa

SIGNATURE

04/30/16

EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

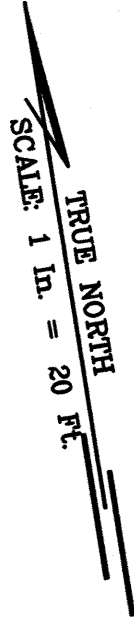
LANDSCAPE PLAN 6

KALANIANAʻOLE HIGHWAY IMPROVEMENTS, PHASE 1
Olomana Golf Course To Vicinity of Poalima St.
Federal Aid Project No. NH-072-1(53)

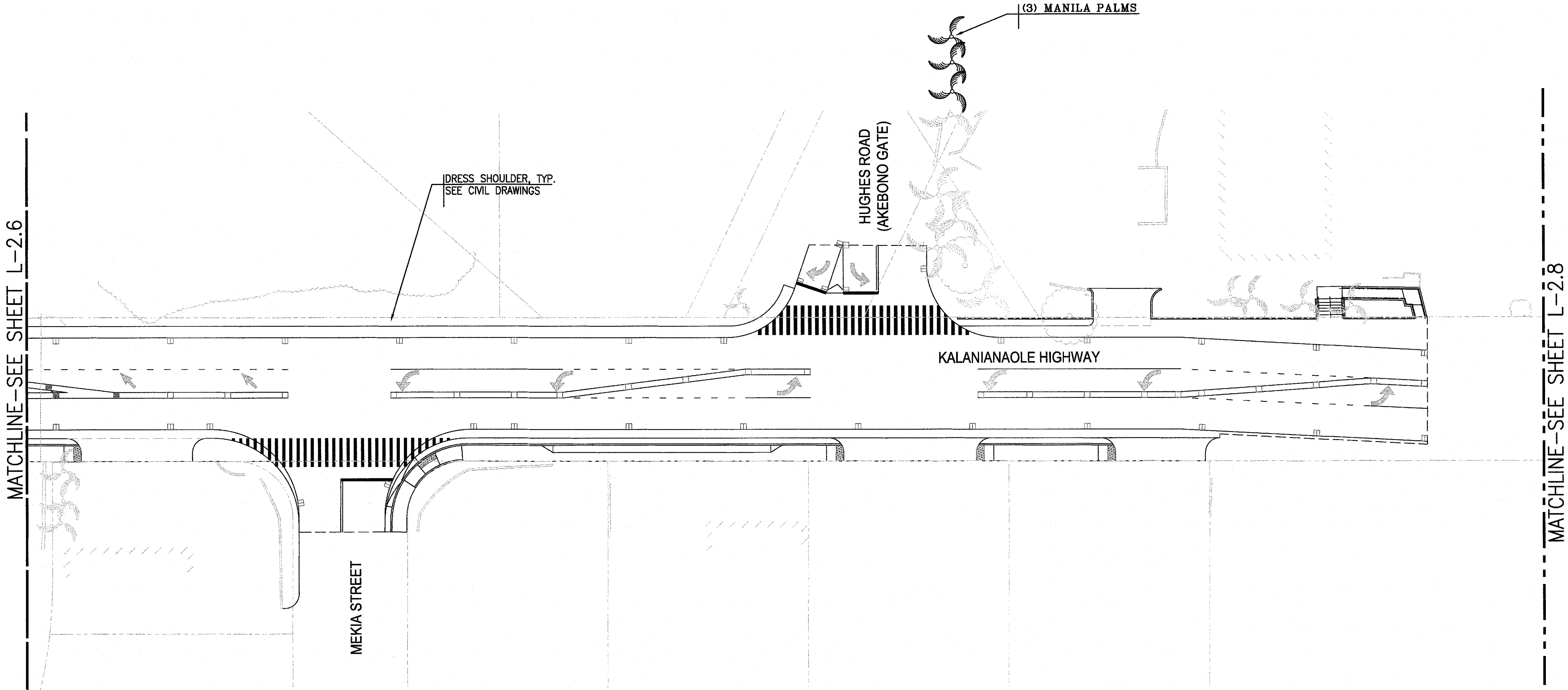
Scale: AS NOTED

Date: July, 2015

SHEET No. L-2.6 OF 8 SHEETS

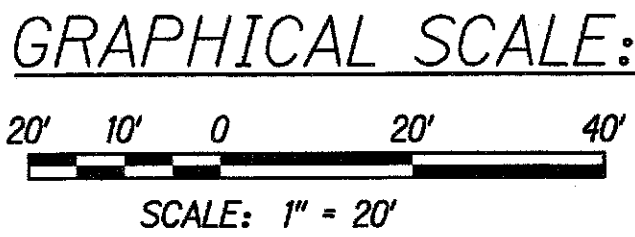


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(53)	2015	96	117



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	

NOTE:
CONTRACTOR TO PROVIDE TEMPORARY
IRRIGATION FOR BERMUDA GRASS.



**LEGEND FOR
AS-BUILT POSTINGS**

~~~~~ Squiggly line for  
as-built deletion

~~100.00~~ Double line for  
as-built deletion

Roadway Text for as-built  
posting

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**LANDSCAPE PLAN 7**

KALANIANA'OLE HIGHWAY IMPROVEMENTS, PHASE 1  
Olomana Golf Course To Vicinity of Poalima St.  
Federal Aid Project No. NH-072-1(53)

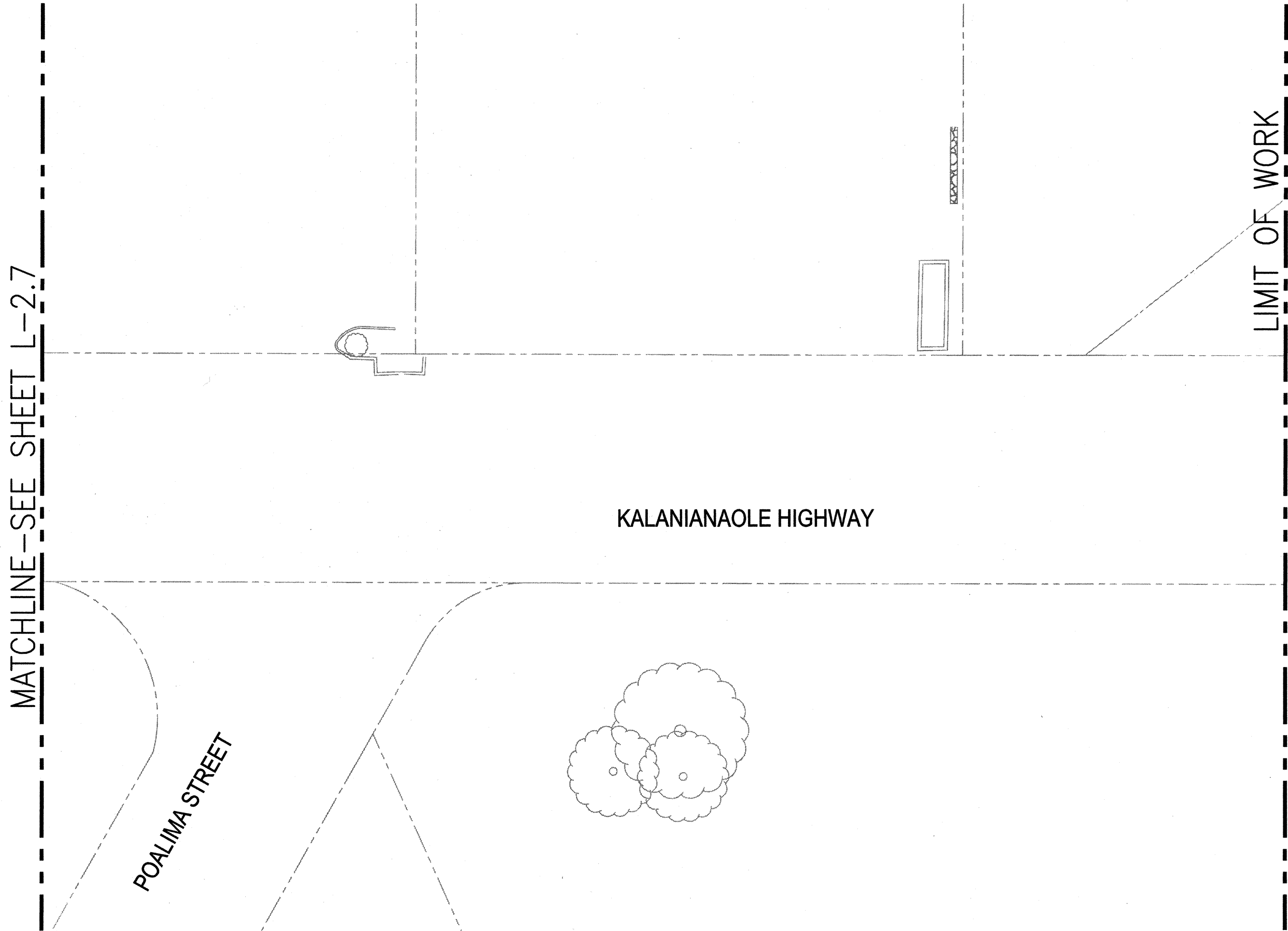
Scale: AS NOTED Date: July, 2015

SHEET No. L-2.7 OF 8 SHEETS

"AS-BUILT"

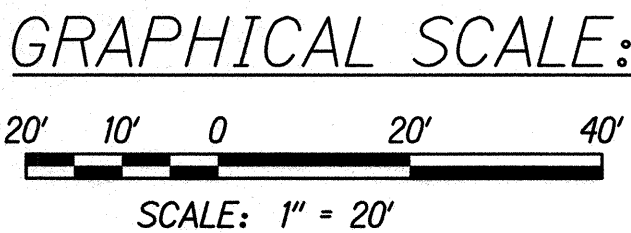


| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | NH-072-1(53)       | 2015        | 97        | 117          |



|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY          |      |
| TRACED BY         |      |
| NOTED BY          |      |
| CHECKED BY        |      |

NOTE:  
NO LANDSCAPE WORK ON THIS SHEET.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

*Joel N. Kurokawa*  
SIGNATURE

04/30/16  
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
  
LANDSCAPE PLAN 8




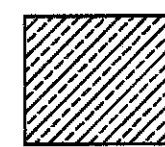
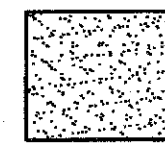
KALANIANA'OLE HIGHWAY IMPROVEMENTS, PHASE 1  
Olomana Golf Course To Vicinity of Poalima St.  
Federal Aid Project No. NH-072-1(53)  
Scale: AS NOTED      Date: July, 2015  
SHEET No. L-2.8 OF 8 SHEETS

TRUE NORTH  
SCALE: 1 in. = 20 ft.



PLANT SCHEDULE

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | NH-072-1(53)       | 2015        | 98        | 117          |

| TREES                                                                             | QTY      | COMMON NAME                   | BOTANICAL NAME                                 | SIZE                                         | HT           |
|-----------------------------------------------------------------------------------|----------|-------------------------------|------------------------------------------------|----------------------------------------------|--------------|
|  | 2        | JOANNIS <del>LOULU</del> PALM | VEITCHIA JOANNIS <del>PRITCHARDIA MARTII</del> | -                                            | 3'-4' BTH    |
|  | 5        | JOANNIS <del>LOULU</del> PALM | VEITCHIA JOANNIS <del>PRITCHARDIA MARTII</del> | F.S., 48" DIA. ROOTBALL MIN.                 | 12' BTH MIN. |
|  | 1        | PINK TECOMA TREE              | TABEBUIA ROSEA                                 | 25 GAL., 2" CAL., 8' HT., 4' SPD. MIN.       |              |
| GROUND COVERS                                                                     | QTY      | COMMON NAME                   | BOTANICAL NAME                                 | CONT                                         |              |
|  | 751      | MAU'U 'AKI'AKI                | FIMBRISTYLIS CYMOSA                            | 4" POT, 12" O.C. SPACING                     |              |
| SOD/SEED                                                                          | QTY      | COMMON NAME                   | BOTANICAL NAME                                 | CONT                                         |              |
|  | 5,853 SF | COMMON BERMUDA GRASS          | CYNODON DACTYLON                               | HYDROSEED                                    |              |
| MISCELLANEOUS                                                                     |          | 157.5 CY IMPORTED TOPSOIL     |                                                | 4" LAYER FOR GRASS, MEDIAN DEPTH PER DETAILS |              |
|                                                                                   |          | 6815 SF ORGANIC AMENDMENT     |                                                | 2" LAYER                                     |              |
|                                                                                   |          | 811 SF WOOD CHIP MULCH        |                                                | 2" LAYER                                     |              |

NOTES

- USE THIS SYSTEM OR APPROVED EQUIVALENT.
- USE FOR ALL NEW AND RELOCATED FIELD STOCK AND ANY TREES IN RAISED PLANTERS.
- ADD PLANTING TABLETS, BACKFILL MIX, COVER MULCH AND BERM AS IN DETAIL 2 / L-4.1.
- DUE TO SETTLEMENT ALL TREES SHOULD BE RE-TENSIONED AFTER PLANTING

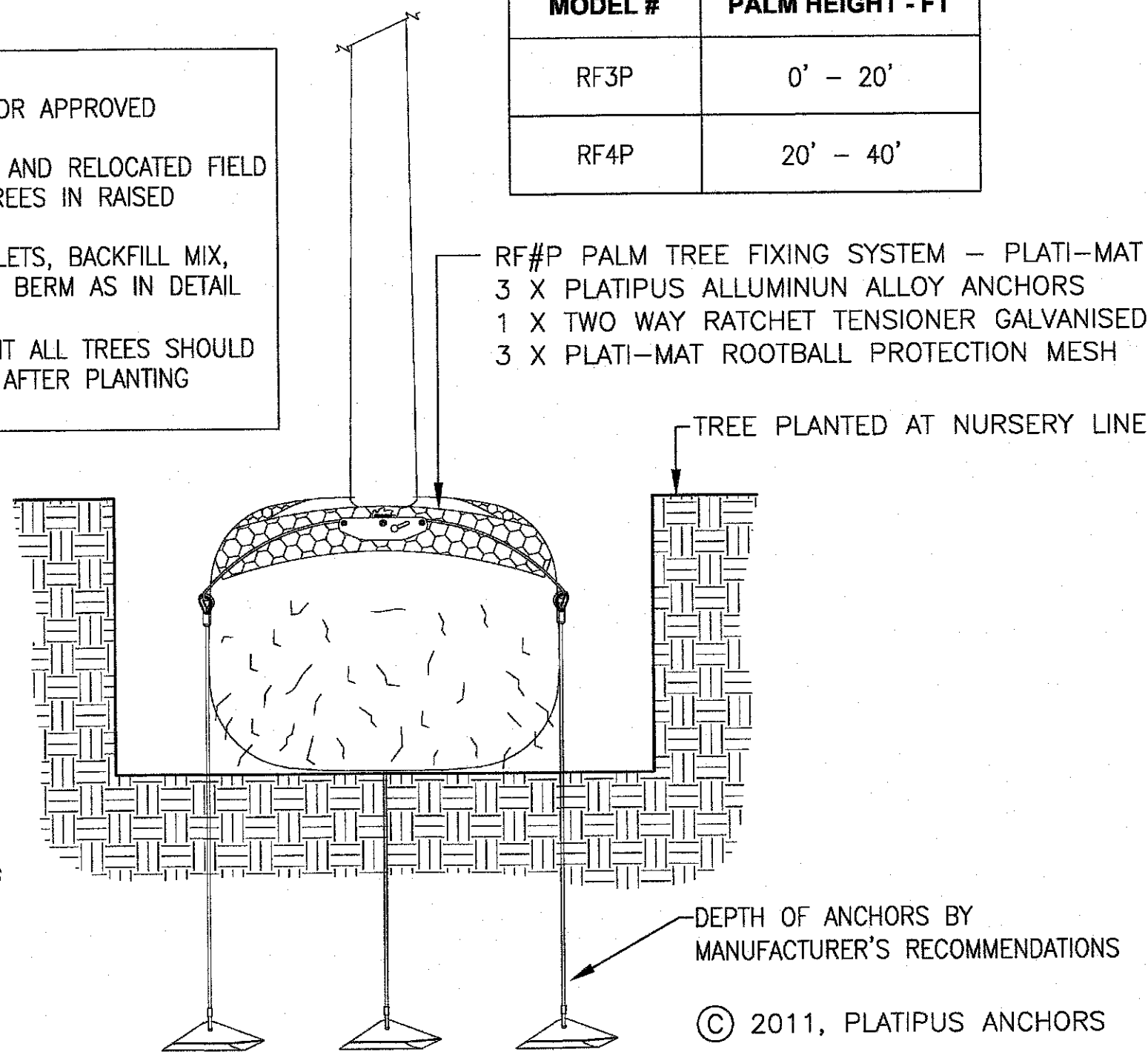
| MODEL LIST |                  |
|------------|------------------|
| MODEL #    | PALM HEIGHT - FT |
| RF3P       | 0' - 20'         |
| RF4P       | 20' - 40'        |

RF#P PALM TREE FIXING SYSTEM - PLATI-MAT  
3 X PLATIPUS ALLUMINUM ALLOY ANCHORS  
1 X TWO WAY RATCHET TENSIONER GALVANISED WIRE  
3 X PLATI-MAT ROOTBALL PROTECTION MESH



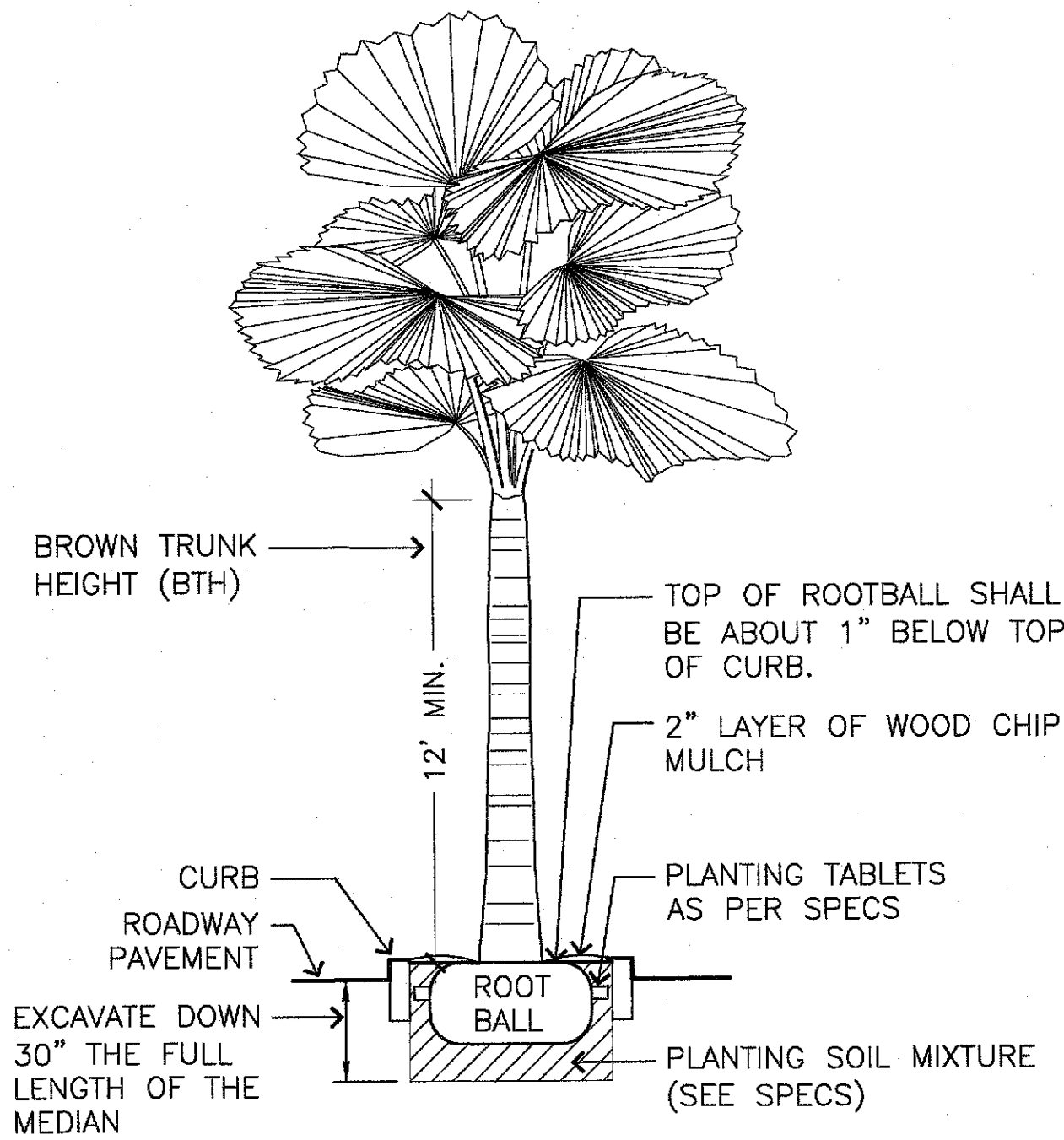
Platipus Anchors Inc,  
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E-Mail: [usatree@platipus-anchors.us](mailto:usatree@platipus-anchors.us)  
Web: [www.platipus-anchors.us](http://www.platipus-anchors.us)



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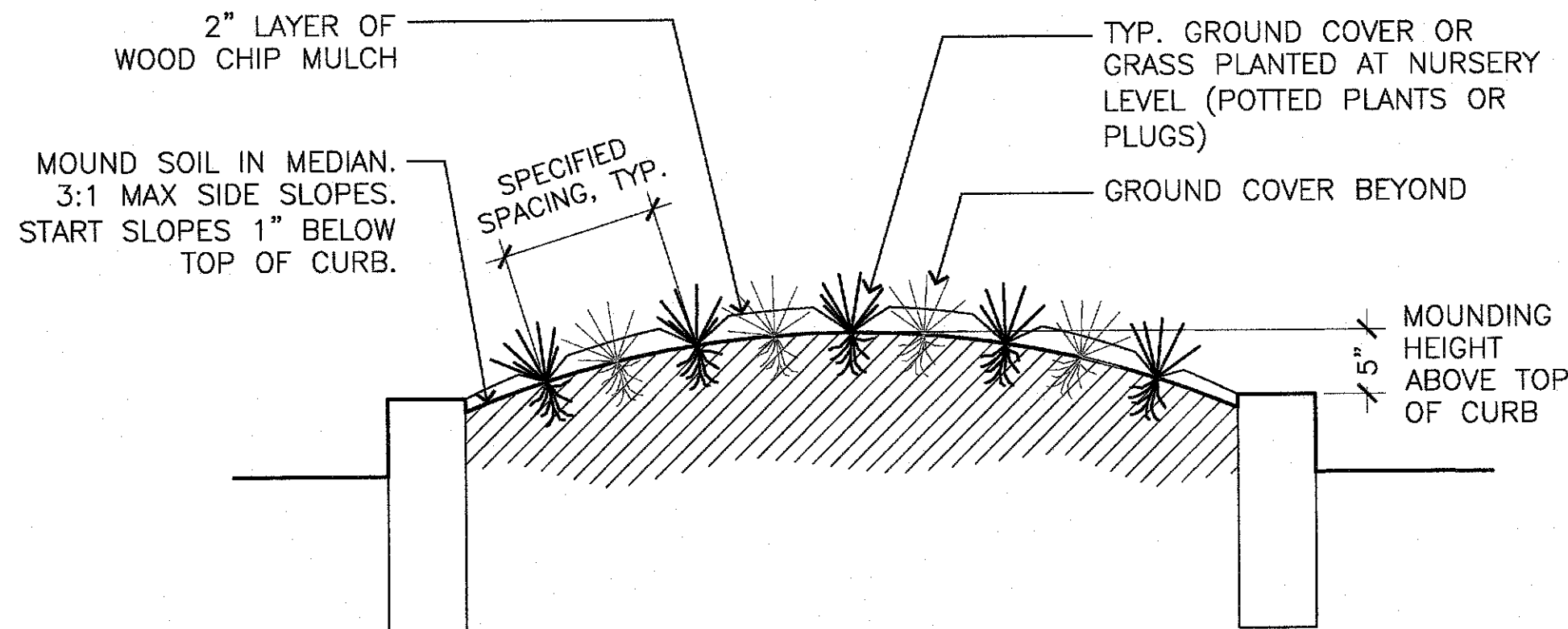
1 PALM UNDERGROUND STAKING DETAIL  
NOT TO SCALE



NOTE:

- TRUNK TRUNK HEIGHT SHALL BE MEASURED FROM THE TOP OF THE ROOTBALL TO WHERE THE PALM FRONDS MEET THE BROWN TRUNK.

2 PALM PLANTING DETAIL  
NOT TO SCALE



NOTES:

- ON SLOPES, SET PLANT PERPENDICULAR TO SLOPE.
- MEDIAN TO BE MOUNDED BETWEEN THE PALMS AS SHOWN ABOVE.

3 GROUND COVER PLANTING DETAIL  
NOT TO SCALE

LEGEND FOR AS-BUILT POSTINGS

- ~~~~~ Squiggly line for as-built deletion  
== Double line for as-built deletion  
Roadway Text for as-built posting

PLANTING NOTES:

- LANDSCAPE CONTRACTOR SHALL FIELD VERIFY ALL PLANT QUANTITIES AND DIMENSIONS PRIOR TO INSTALLATION. QUANTITIES SHOWN ON PLANT LIST ARE FOR REFERENCE ONLY, VERIFY ACTUAL QUANTITIES AS SHOWN ON PLAN. IF THERE IS A DISCREPANCY, THE PLANTING PLAN SHALL TAKE PRECEDENCE.
- LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING EXISTING UTILITIES.
- NOTIFY ENGINEER OF ANY DISCREPANCIES IN PLANT LOCATIONS OR INSUFFICIENT PLANT QUANTITIES DUE TO DIFFERENCE IN PLANS AND ACTUAL FIELD CONDITIONS.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE COMPLETE REMOVAL AND DAMAGES RESULTING FROM THE INTRODUCTION OF PLANTING ANY PLANT SPECIES LISTED ON THE HAWAII DEPARTMENT OF AGRICULTURE 'NOXIOUS WEED RULES' AS DEFINED IN THE STATUTE, HAWAII ADMINISTRATIVE RULES 4:68:1 OR THE 'FEDERAL NOXIOUS WEED LIST' AS DEFINED IN TITLE 7 OF THE CODE OF FEDERAL REGULATIONS (CFR), PARTS 360 AND 361.
- 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.
- 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.
- IF TREES OTHER THAN THOSE SPECIFICALLY DESIGNATED FOR REMOVAL ARE DAMAGED BEYOND SURVIVAL CONDITIONS AS DETERMINED BY ENGINEER, THE CONTRACTOR SHALL REMOVE SUCH TREES AND REPLACE THE TREE WITH A SAME SPECIE AND SIZE AND MAINTAIN FOR THE DURATION OF CONSTRUCTION OR 12 MONTHS WHICHEVER IS GREATER AT NO COST TO THE STATE.
- PROVIDE EVEN FOUR-INCH LAYER OF PLANTING SOIL OVER ALL PLANTING AREAS. REPRESENTATIVE SAMPLES OF SOIL FROM PROJECT SITE SHALL BE SUBMITTED TO 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 AREA AS RECOMMENDED BY THE SOIL ANALYSIS REPORT. ROTOTILL TOP FOUR-INCHES OF SOIL TO EVENLY INCORPORATE FERTILIZER AND AMENDMENTS. AFTER COMPLETION OF SOIL AMENDMENTS, RETEST TO MEET SOIL ANALYSIS. CONTINUE AMENDING UNTIL TEST MEETS SOIL TEST RECOMMENDATIONS. PROVIDE COPY OF ALL SOIL TEST TO ENGINEER.
- GUY WIRES, FLAGGING, STAKES, WINDBREAKERS, ETC. SHALL BE MAINTAINED AND REPLACE IF NECESSARY BY THE CONTRACTOR UNTIL THE TREE OR SHRUB IS ABLE TO STAND BY ITSELF.
- ANY PLANTING THAT OBSTRUCTS SIGHT DISTANCE, SIGNS OR TRAFFIC LIGHTS SHALL BE RELOCATED OR REMOVED AS DETERMINED BY THE ENGINEER.

TEMPORARY IRRIGATION NOTE:

- CONTRACTOR SHALL COORDINATE POINT OF CONNECTION FOR TEMPORARY IRRIGATION SYSTEM.

|                                                                                                                                       |                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| 07/03/18                                                                                                                              | UPDATED LOULU PALM QTY AND NEW PINK TECOMA INFO TO PLANT SCHEDULE |
| DATE                                                                                                                                  | REVISION                                                          |
| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION                                                                  |                                                                   |
| PLANT SCHEDULE & DETAILS                                                                                                              |                                                                   |
| KALANIANA'OLE HIGHWAY IMPROVEMENTS, PHASE 1<br>Olomana Golf Course To Vicinity of Poalima St.<br>Federal Aid Project No. NH-072-1(53) |                                                                   |
| Scale: AS NOTED                                                                                                                       | Date: July, 2015                                                  |
| SHEET No. L-41 OF 1 SHEETS                                                                                                            |                                                                   |

"AS-BUILT"

C.O. 98