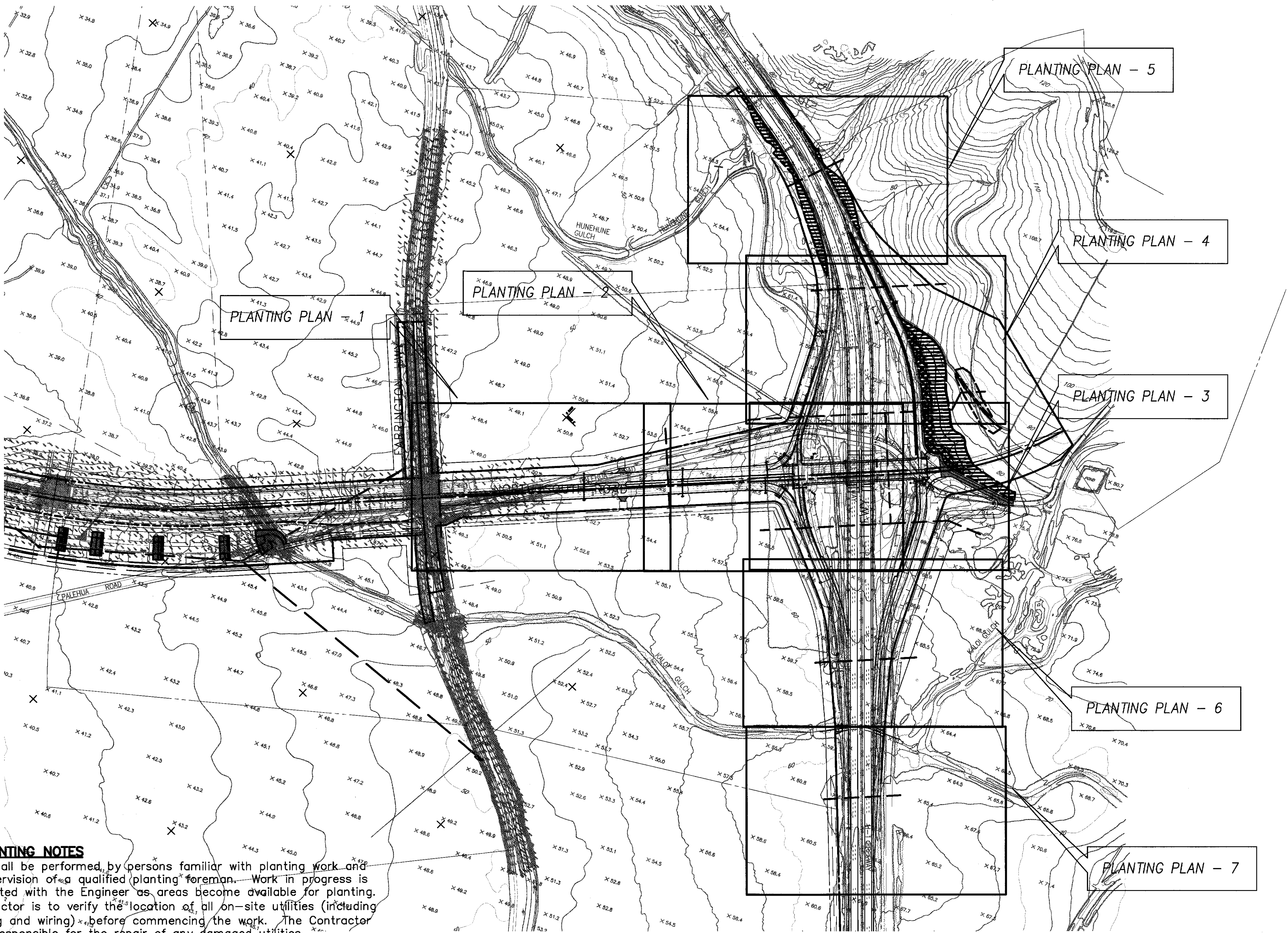


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(4)	2007	373	380



GENERAL PLANTING NOTES

1. All work shall be performed by persons familiar with planting work and under the supervision of a qualified planting foreman. Work in progress is to be coordinated with the Engineer as areas become available for planting.
2. The Contractor is to verify the location of all on-site utilities (including irrigation piping and wiring) before commencing the work. The Contractor shall also be responsible for the repair of any damaged utilities.
3. Plant material location shown on plans is diagrammatic and will be subject to adjustment in the field by the Engineer.
4. Quantities shown on the landscape legend are for the convenience of the Contractor. It is the responsibility of the contractor to provide and install the necessary landscape materials in quantities sufficient to fulfill the design at the spacing/depth specified and in the locations shown on the Planting Plans.
5. The Contractor shall take all reasonable precautions to coordinate work and to minimize damage to completed grading, irrigation, and related work.
6. The Contractor shall restore and/or provide grassing per specification and temporary irrigation to all construction parcels to prevent erosion at no additional cost to the State, whether or not shown on the plans.

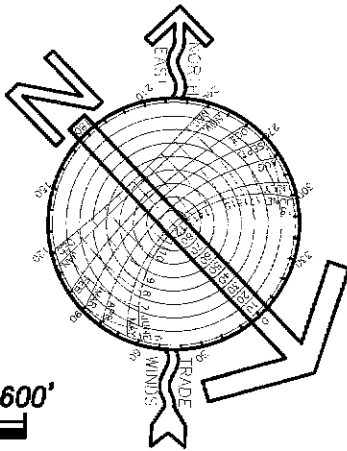
PLANTING MATERIALS LEGEND

DESCRIPTION	REMARKS
2,000,000 S.F. BUFFEL GRASS 'T4464' (CENCHRUS CILIARIS)	HYDROSEED

LANDSCAPE KEY PLAN
SCALE: 1"=300'

GRAPHIC SCALE

1" = 300' 300' 150' 0 300' 600'



LEGEND FOR AS-BUILT POSTINGS

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

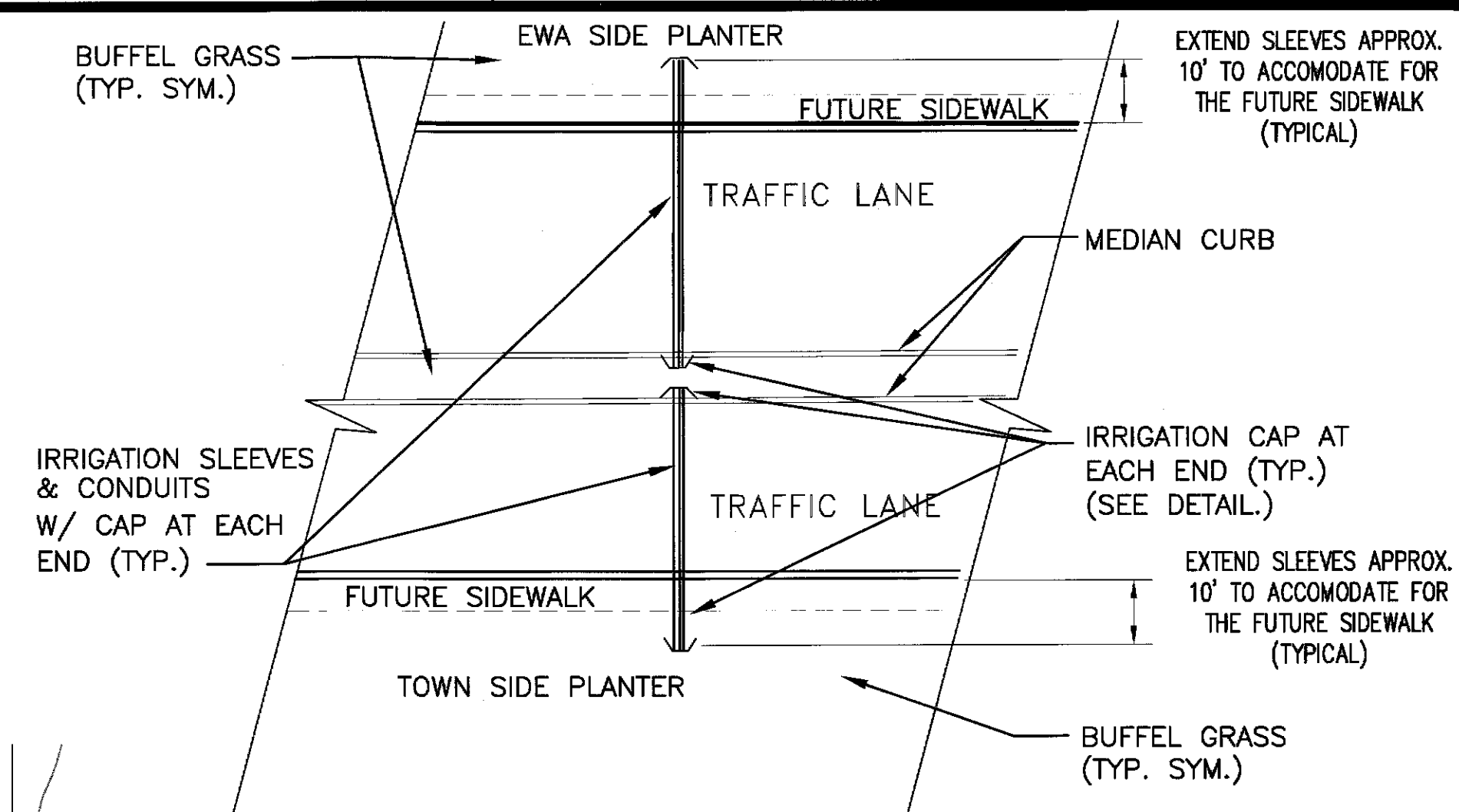
DATE	DATE
SURVEY PLANNED BY	DESIGNED BY
DRAWN BY	QUANTITIES BY
NOTE BOOK	CHECKED BY
No.	No.



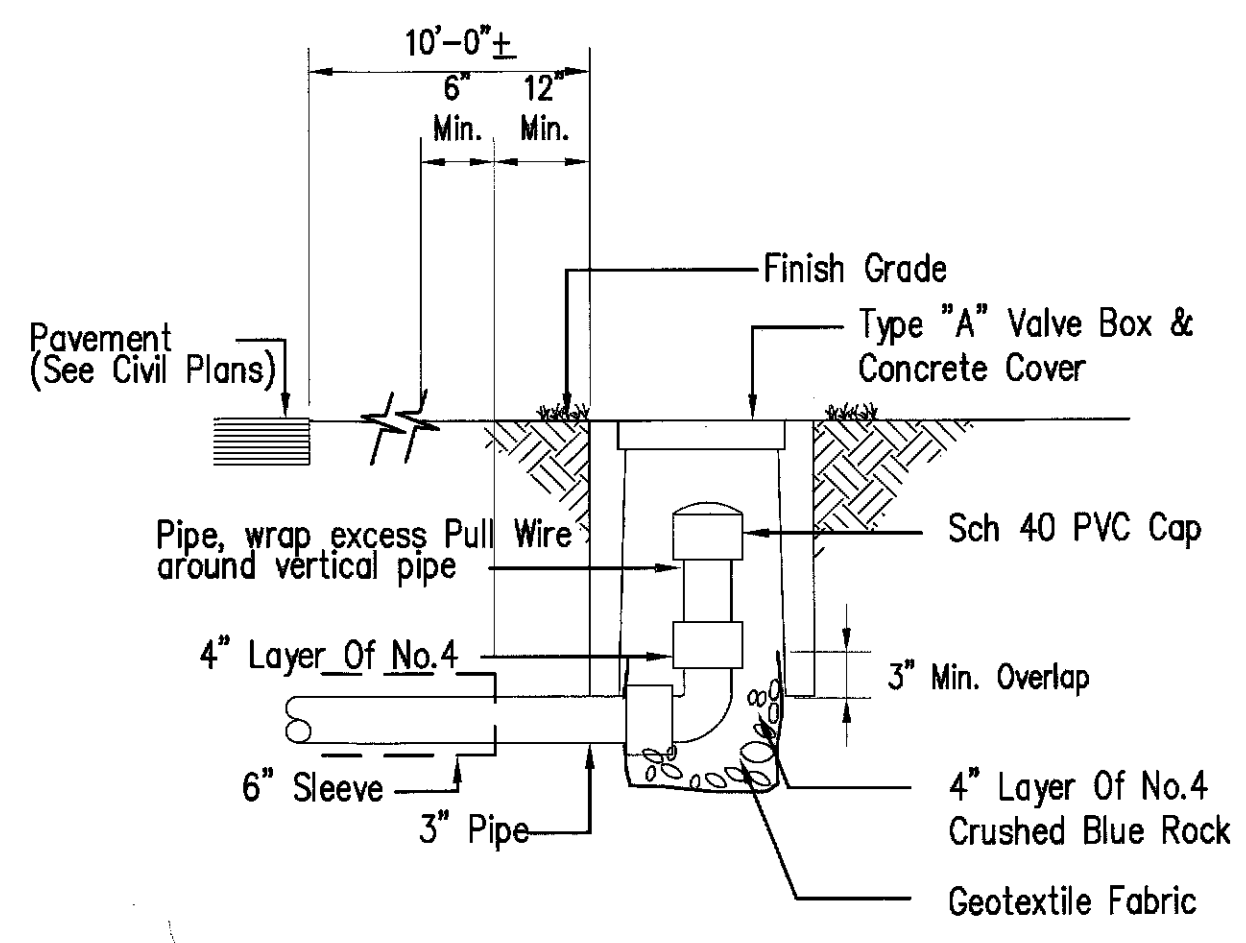
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.
Lester H. Inoue
April 30, 2014
Expiration Date of the License

08/31/09	Revised slope areas
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
PLANTING KEY PLAN	
North-South Road Phase 1C F.A.I. Proj. No. STP-8930(4)	
Date: FEB 21, 2007	
SHEET No. L1.1 OF 8 SHEETS	

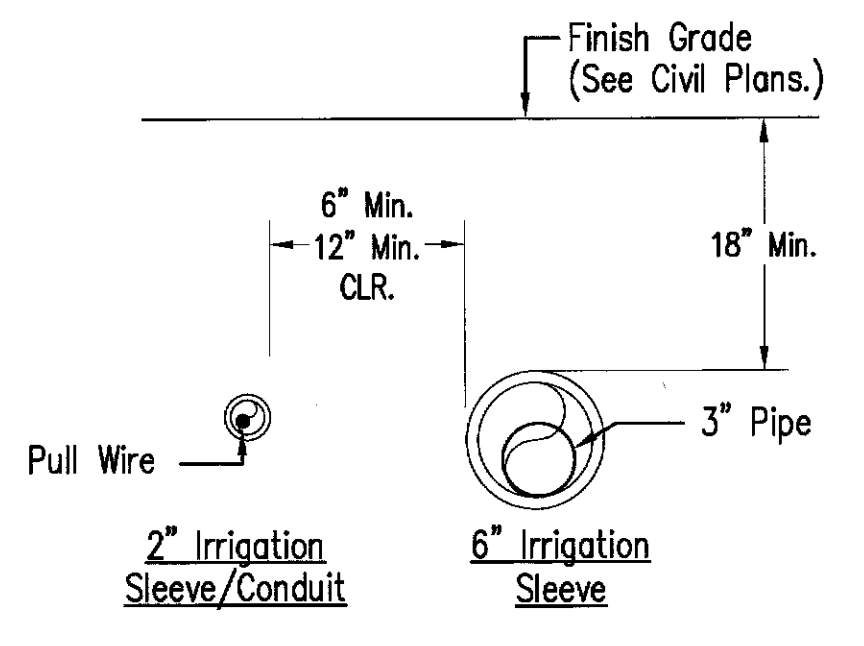
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(4)	2007	374	380



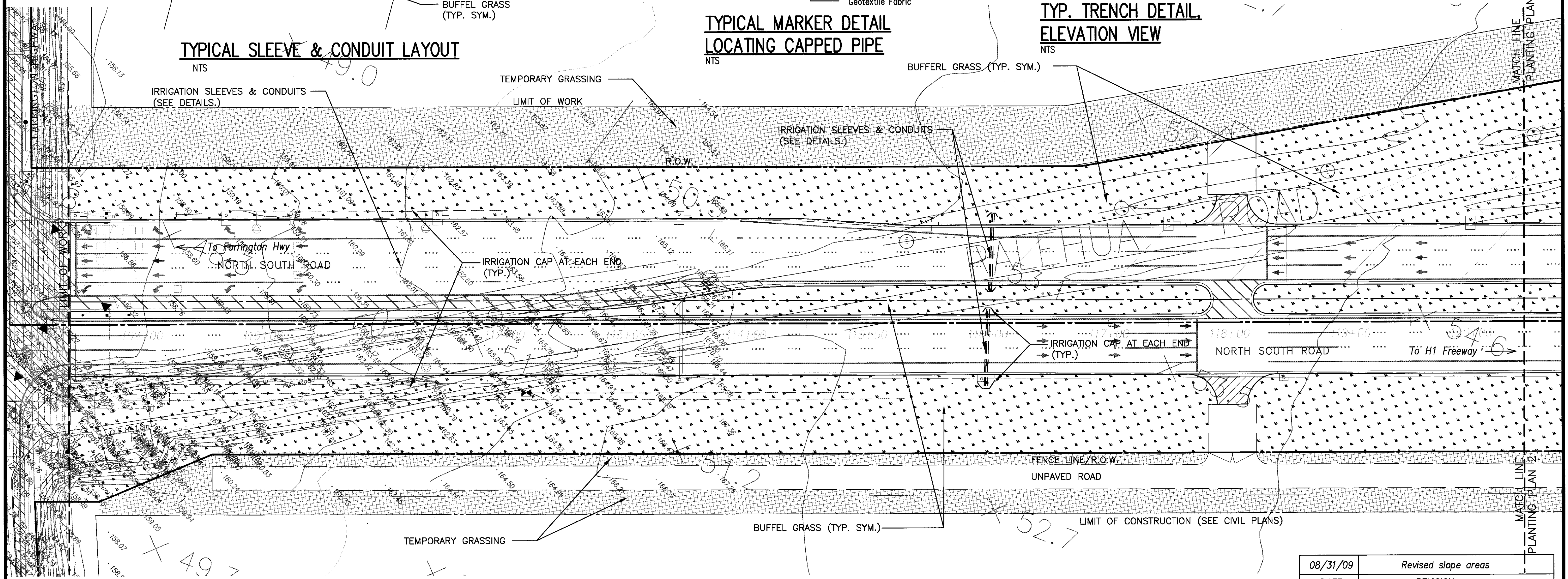
TYPICAL SLEEVE & CONDUIT LAYOUT
NTS



TYPICAL MARKER DETAIL LOCATING CAPPED PIPE
NTS



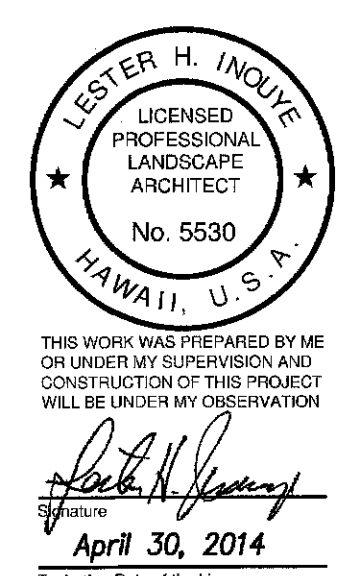
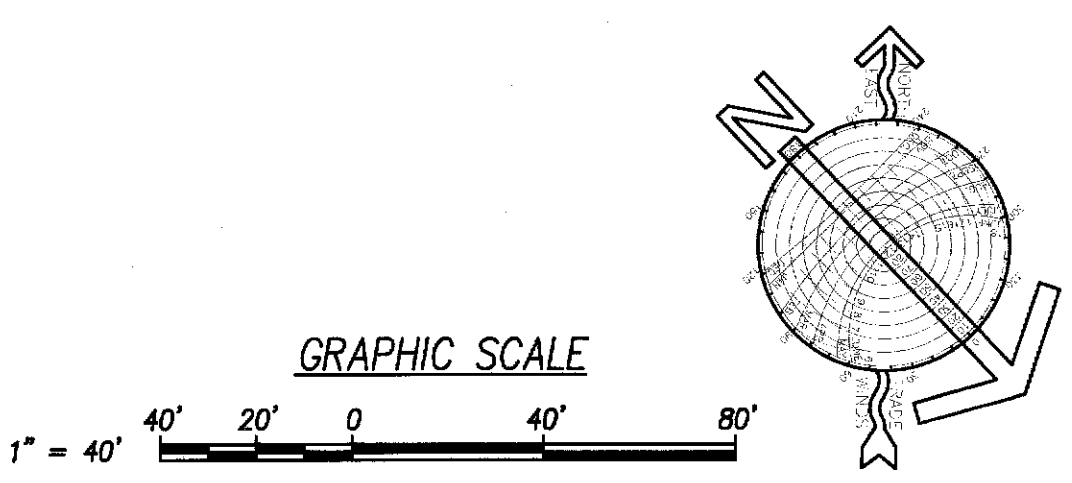
TYP. TRENCH DETAIL ELEVATION VIEW
NTS



- LANDSCAPE KEY:**
- BUFFEL GRASS, SEED W/ HYDROMULCH
 - TEMPORARY GRASSING (OUTSIDE R.O.W.) RESTORE/PROVIDE BUFFEL GRASS AND TEMPORARY IRRIGATION FOR EROSION CONTROL.

PLANTING PLAN - 1
SCALE: 1"=40'

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



08/31/09	Revised slope areas
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

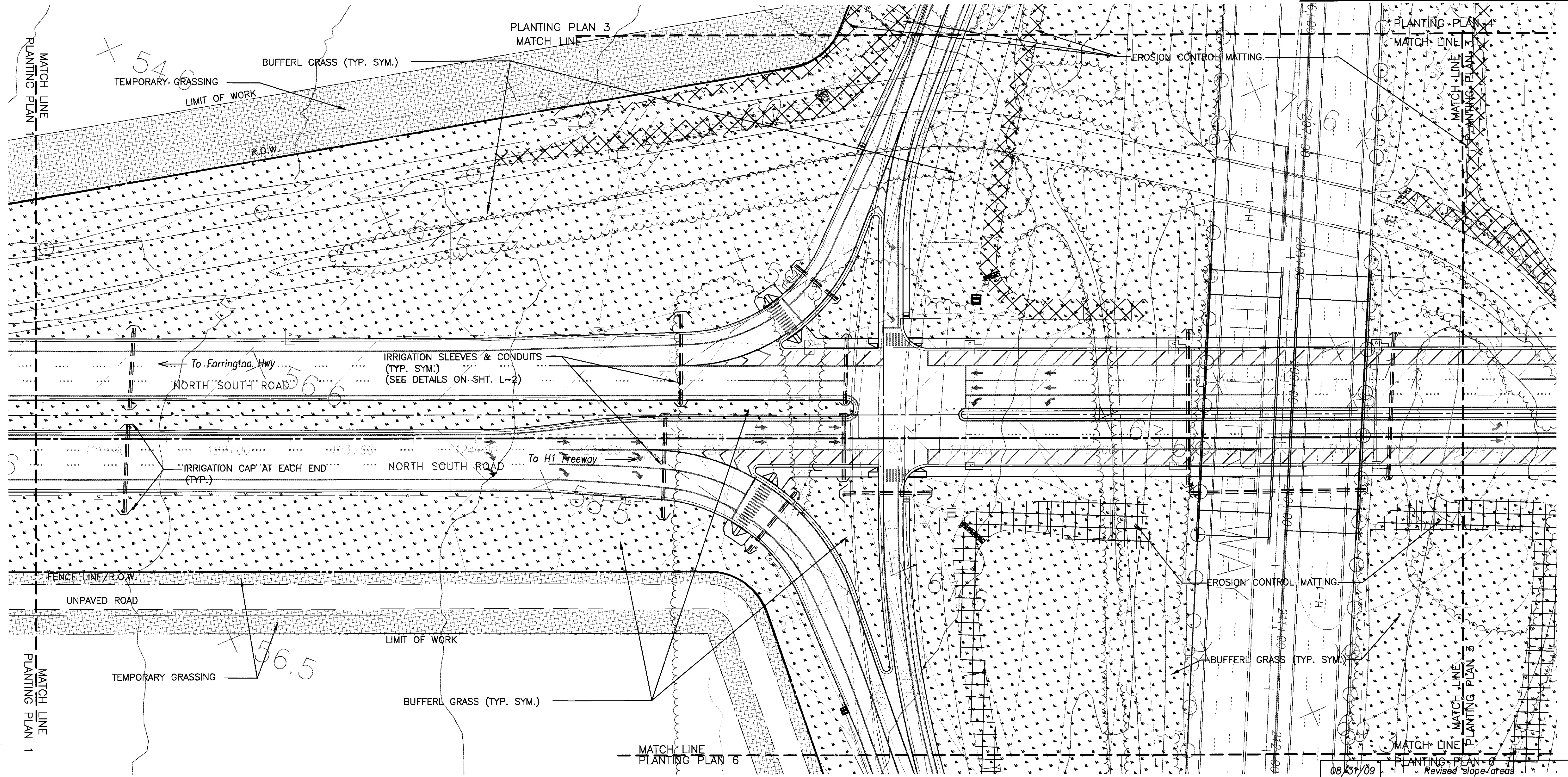
PLANTING PLAN - 1

North-South Road
Phase 1C
F.A.I. Proj. No. STP-8930(4)

Date: FEB 21, 2007

SHEET No. L1.2 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(4)	2007	375	380



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

- LANDSCAPE KEY:**
- BUFFEL GRASS, SEED W/ HYDROMULCH TEMPORARY IRRIGATION
 - EROSION CONTROL MATTING OVER BUFFEL GRASS, SEED W/ HYDROMULCH TEMPORARY IRRIGATION
 - TEMPORARY GRASSING (OUTSIDE R.O.W.) RESTORE/PROVIDE BUFFEL GRASS AND TEMPORARY IRRIGATION FOR EROSION CONTROL.

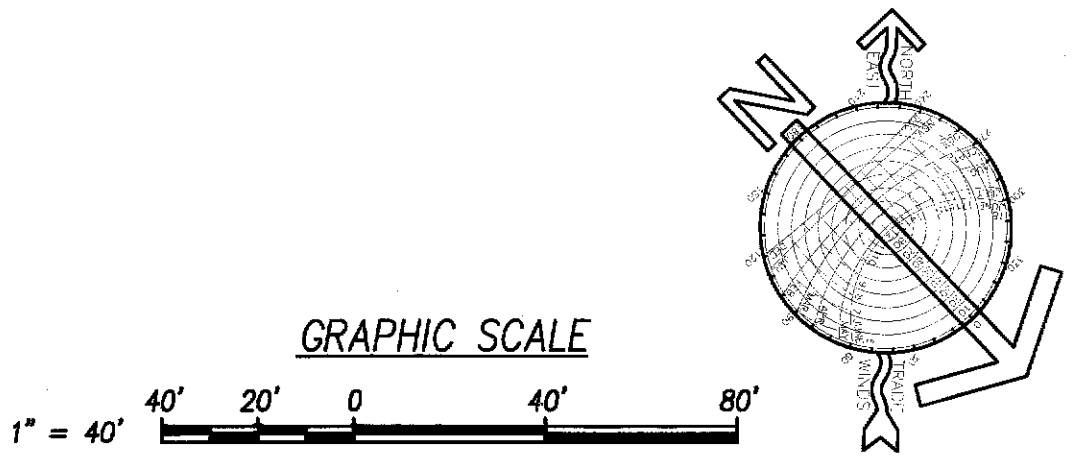
PLANTING PLAN - 2
SCALE: 1"=40'

LEGEND FOR AS-BUILT POSTINGS

Squiggly line for as-built deletion

Double line for as-built deletion

Text for as-built posting



LESTER H. INOUE
LICENSED PROFESSIONAL LANDSCAPE ARCHITECT
No. 5530
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION

Robert N. Inoué
April 30, 2014
Expiration Date of the License

08/31/09
DATE

REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLANTING PLAN - 2

North-South Road

Phase 1C

F.A.I. Proj. No. STP-8930(4)

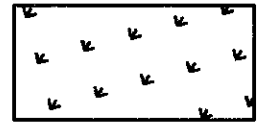
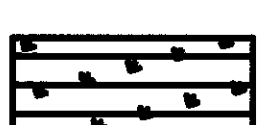
Date: FEB 21, 2007

SHEET No. L1.3 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(4)	2007	376	380

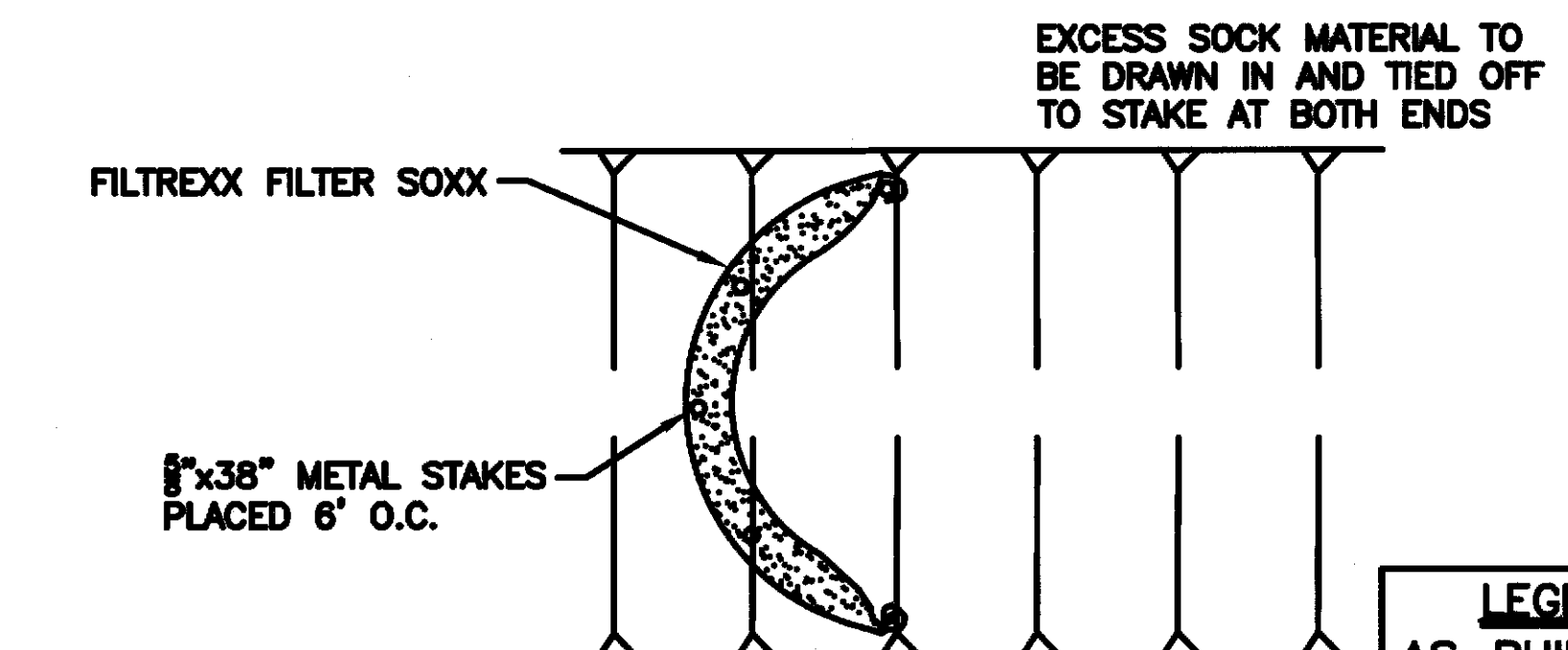
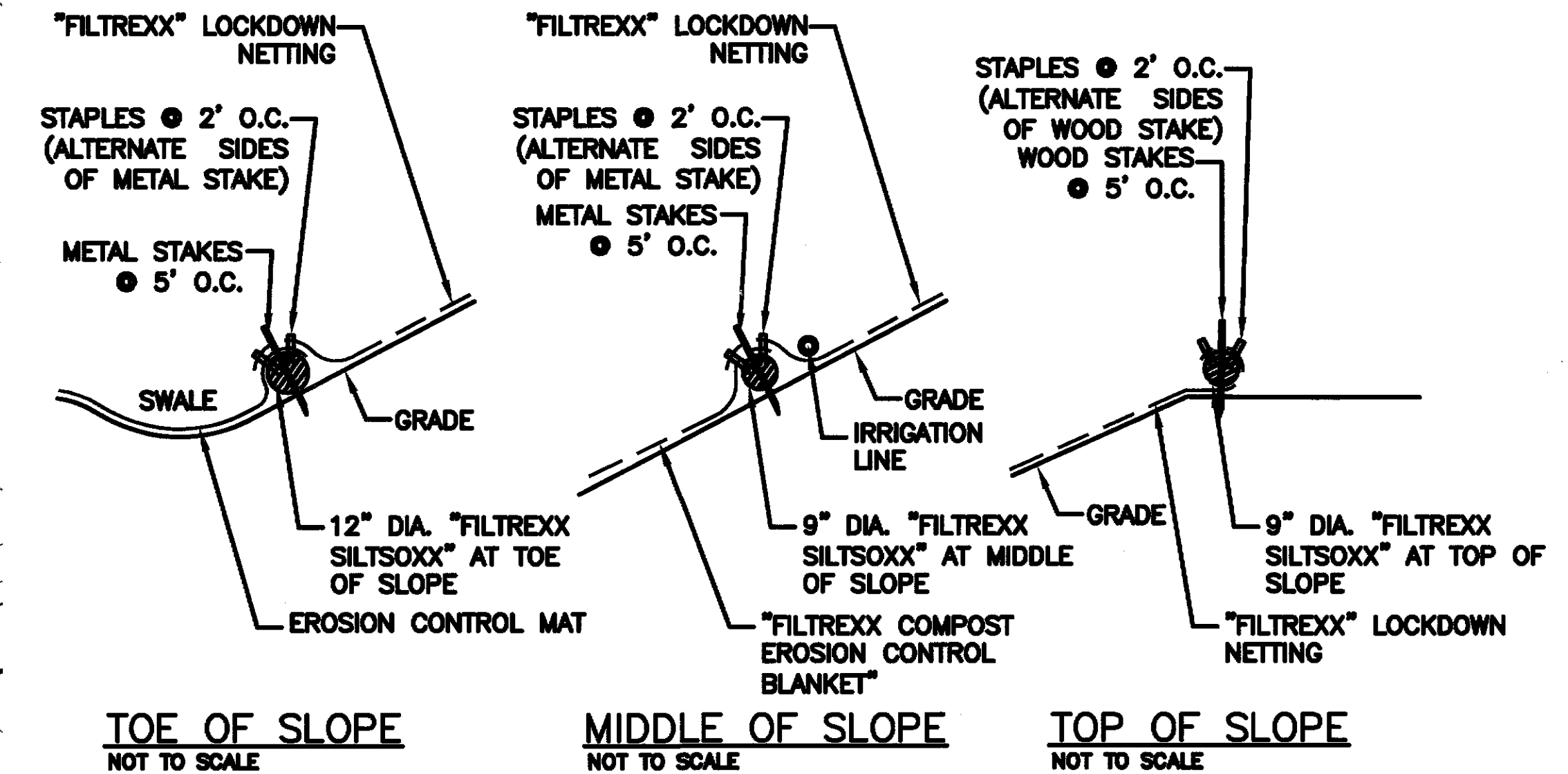
- NOTES:**
1. ENTIRE "FILTREXX COMPOST EROSION CONTROL BLANKET" AREA WILL BE TREATED WITH THE "FILTREXX APPROVED PAM" TACKIFIER.
 2. INSTALL THE TEMPORARY IRRIGATION SYSTEM BEFORE INSTALLING THE FILTREXX COMPOST EROSION CONTROL BLANKET TO AVOID TRAMPLING ON IT.

LANDSCAPE KEY:

-  BUFFEL GRASS, SEED W/ HYDROMULCH TEMPORARY IRRIGATION
-  EROSION CONTROL MATTING OVER BUFFEL GRASS, SEED W/ HYDROMULCH TEMPORARY IRRIGATION
-  FILTREXX COMPOST EROSION CONTROL BLANKET HYDROMULCH W/BUFFEL GRASS & AALI SEEDS MIX TEMPORARY IRRIGATION

NOTES:

1. PLACE ONE 9" FILTERSOXX AT THE TOP AND MIDDLE OF THE SLOPE AND A 12" FILTERSOXX AT THE TOE OF THE SLOPE.
2. PIN TOP 9" FILTERSOXX WITH 2 X 2 WOOD STAKES AT 5 FT. O. C.
3. MIDDLE AND TOE FILTERSOXX PINNED WITH METAL STAKES AT 5 FT. O. C.
4. MIDPOINT OF THE SLOPE IS APPROXIMATELY 55 TO 60 FEET DOWN FROM THE TOP OF THE SLOPE.
5. FILTREXX MAT TO BE WRAPPED AROUND THE SOX AS SHOWN IN THE DETAILS ON PLAN CO 376.
6. A 12-INCH OVERLAP OF THE MATS IS SUFFICIENT.
7. MANUFACTURER'S RECOMMENDED BLANKET OF 2 INCHES IS SUFFICIENT.



- NOTES:**
1. ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
 2. DITCH CHEXX SHOULD BE USED IN AREAS THAT DRAIN 10 ACRES OR LESS.
 3. SEDIMENT SHOULD BE REMOVED FROM BEHIND DITCHCHEXX ONCE ACCUMULATED HEIGHT HAS REACH 1/2 THE HEIGHT OF THE CHECK DAM.
 4. DITCHCHEXX CAN BE DIRECT SEEDED AT THE TIME OF INSTALLATION.
 5. CONTRACTOR IS REQUIRED TO BE A FILTREXX CERTIFIED INSTALLER.

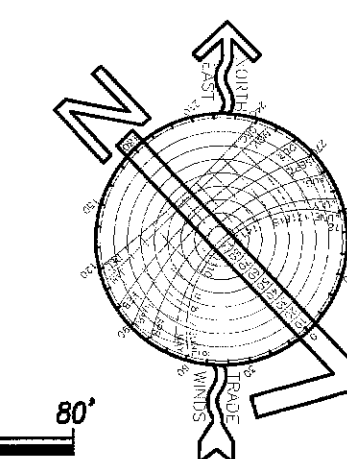
LEGEND FOR AS-BUILT POSTINGS

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

FILTREXX FILTER SOXX DETAIL

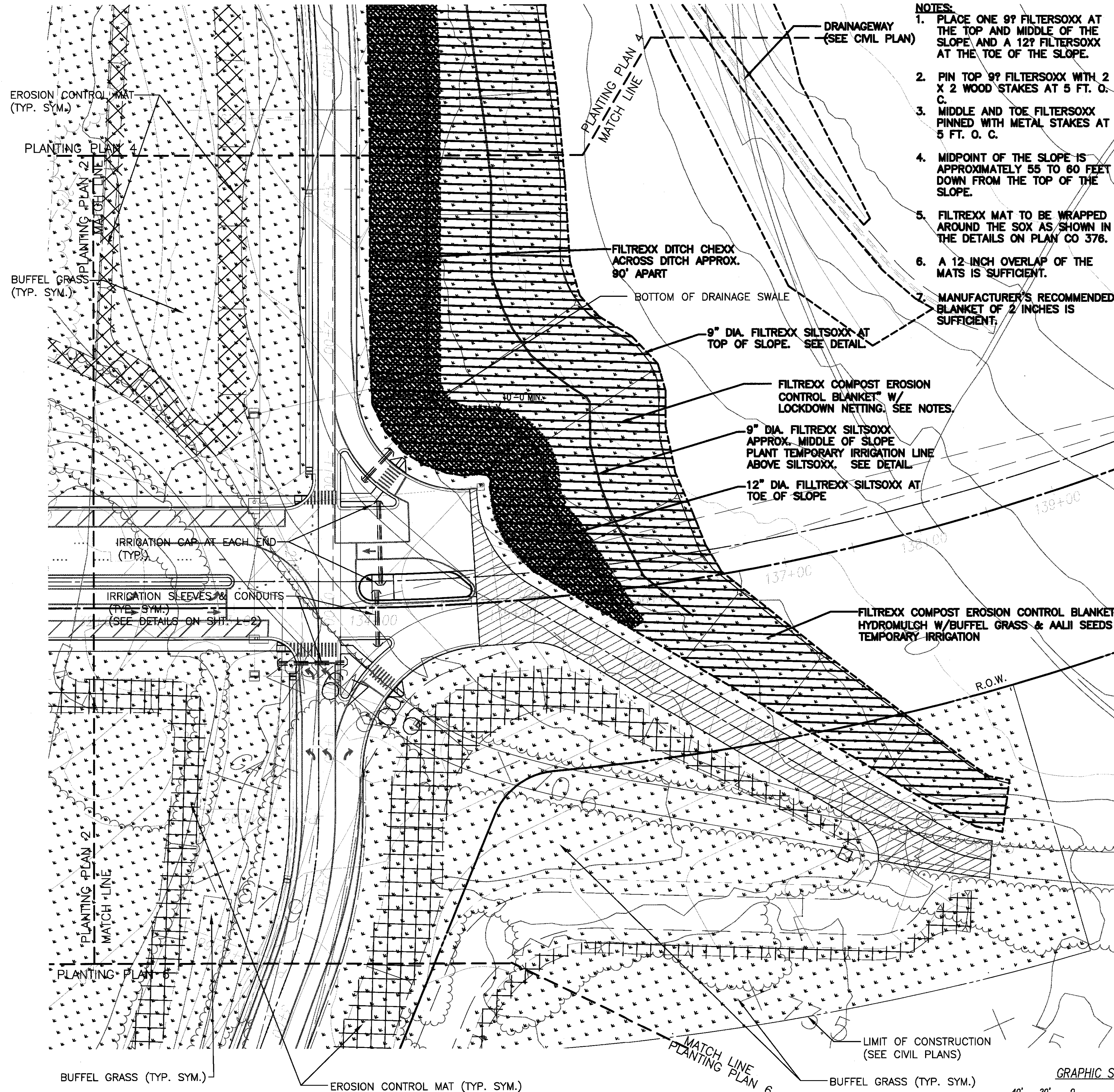
NOT TO SCALE

08/31/09	Revised slope areas
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
PLANTING PLAN - 3	
North-South Road Phase 1C F.A.I. Proj. No. STP-8930(4)	
Date: FEB 21, 2007	
SHEET No. L1.4 OF 8 SHEETS	



GRAPHIC SCALE

1" = 40' 0' 20' 0' 40' 80'



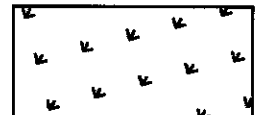
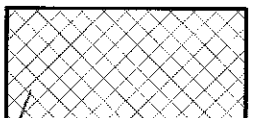
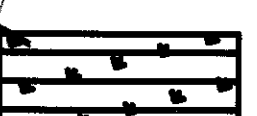
PLANTING PLAN - 3

SCALE: 1"=40'

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

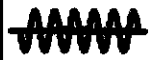
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(4)	2007	CO 377	380

LANDSCAPE KEY:

-  BUFFEL GRASS, SEED W/ HYDROMULCH TEMPORARY IRRIGATION
-  EROSION CONTROL MATTING OVER BUFFEL GRASS, SEED W/ HYDROMULCH TEMPORARY IRRIGATION
-  TEMPORARY GRASSING (OUTSIDE R.O.W.) RESTORE/PROVIDE BUFFEL GRASS AND TEMPORARY IRRIGATION FOR EROSION CONTROL.
-  FILTREXX COMPOST EROSION CONTROL BLANKET HYDROMULCHED W/BUFFEL GRASS & AALII SEEDS MIX TEMPORARY IRRIGATION

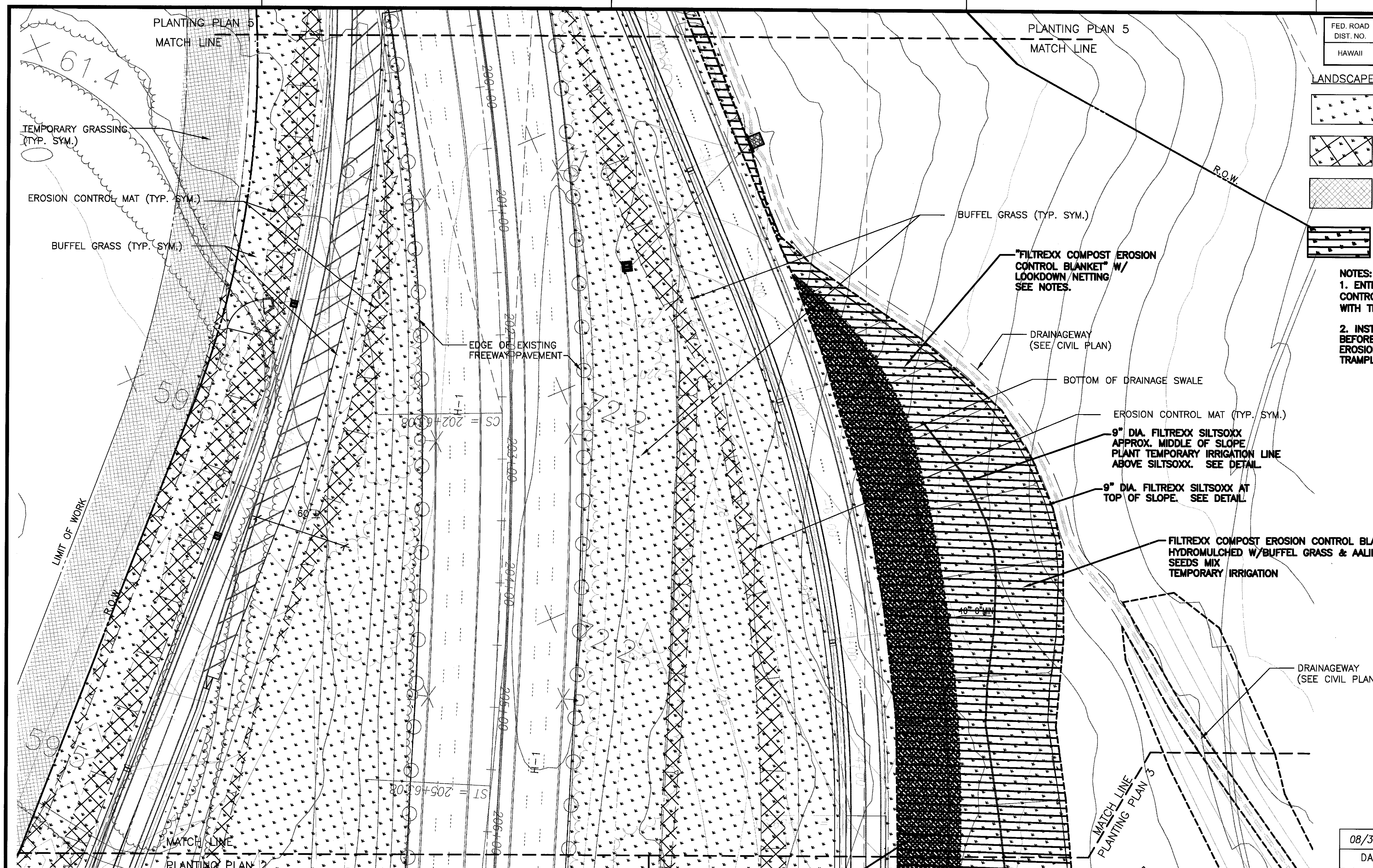
- NOTES:
- ENTIRE "FILTREXX COMPOST EROSION CONTROL BLANKET" AREA WILL BE TREATED WITH THE "FILTREXX APPROVED PAM" TACKIFIER.
 - INSTALL THE TEMPORARY IRRIGATION SYSTEM BEFORE INSTALLING THE FILTREXX COMPOST EROSION CONTROL BLANKET TO AVOID TRAMPLING ON IT.

LEGEND FOR AS-BUILT POSTINGS

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

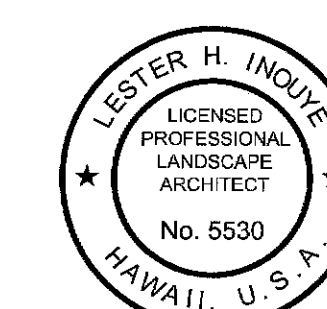
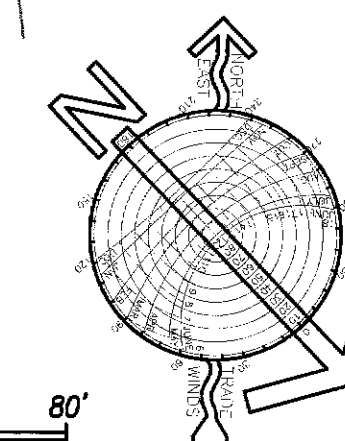
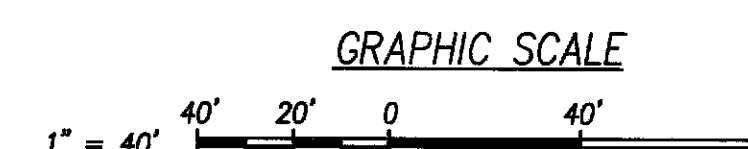
08/31/09	Revised slope areas
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
PLANTING PLAN - 4	
North-South Road	
Phase 1C	
F.A.I. Proj. No. STP-8930(4)	
Date: FEB 21, 2007	
SHEET No. L1.5 OF 8 SHEETS	

"AS-BUILT" CO 377



FILTREXX DITCH CHECK
ACROSS DITCH APPROX.
90' APART

PLANTING PLAN - 4
SCALE: 1"=40'



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION AND
CONSTRUCTION OF THIS PROJECT
WILL BE UNDER MY OBSERVATION
Lester H. Inoue
April 30, 2014
Expiration Date of the License

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

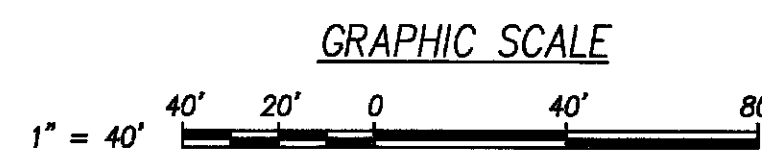
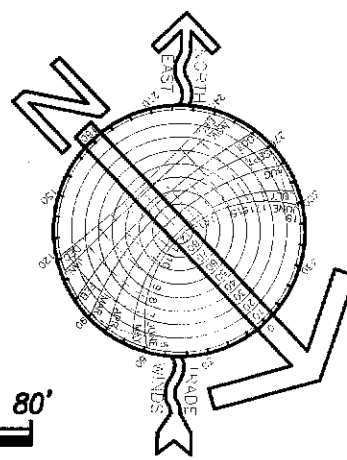
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(4)	2007	CO 378	380

- NOTES:
- ENTIRE "FILTREXX COMPOST EROSION CONTROL BLANKET" AREA WILL BE TREATED WITH THE "FILTREXX APPROVED PAM" TACKIFIER.
 - INSTALL THE TEMPORARY IRRIGATION SYSTEM BEFORE INSTALLING THE FILTREXX COMPOST EROSION CONTROL BLANKET TO AVOID TRAMPLING ON IT.

LEGEND FOR AS-BUILT POSTINGS

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

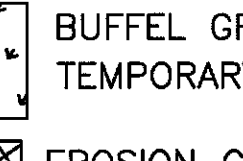
08/31/09	Revised slope areas
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
PLANTING PLAN - 5	
North-South Road Phase 1C F.A.I. Proj. No. STP-8930(4)	
Date: FEB 21, 2007	
SHEET No. L1.6 OF 8 SHEETS	



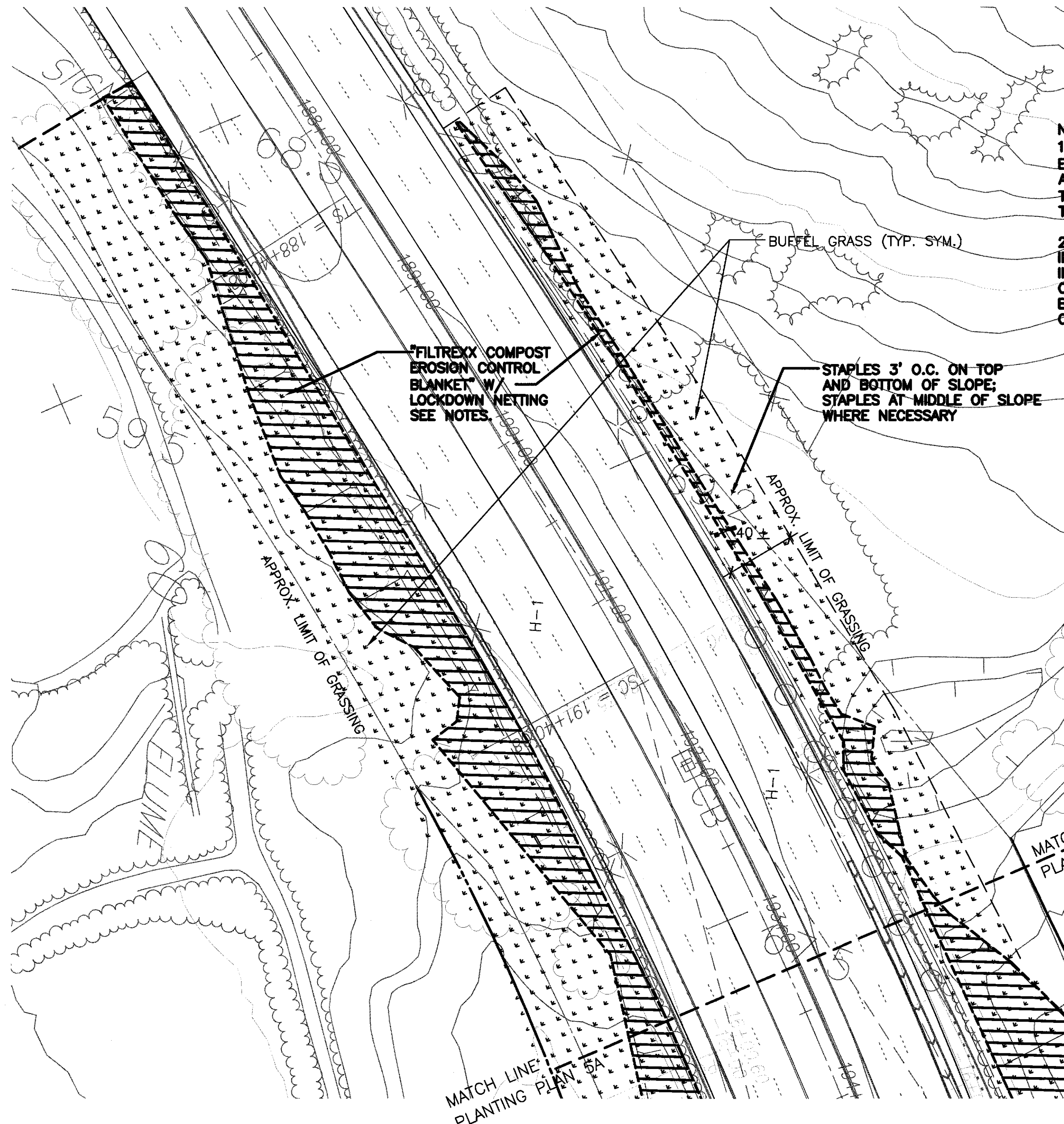
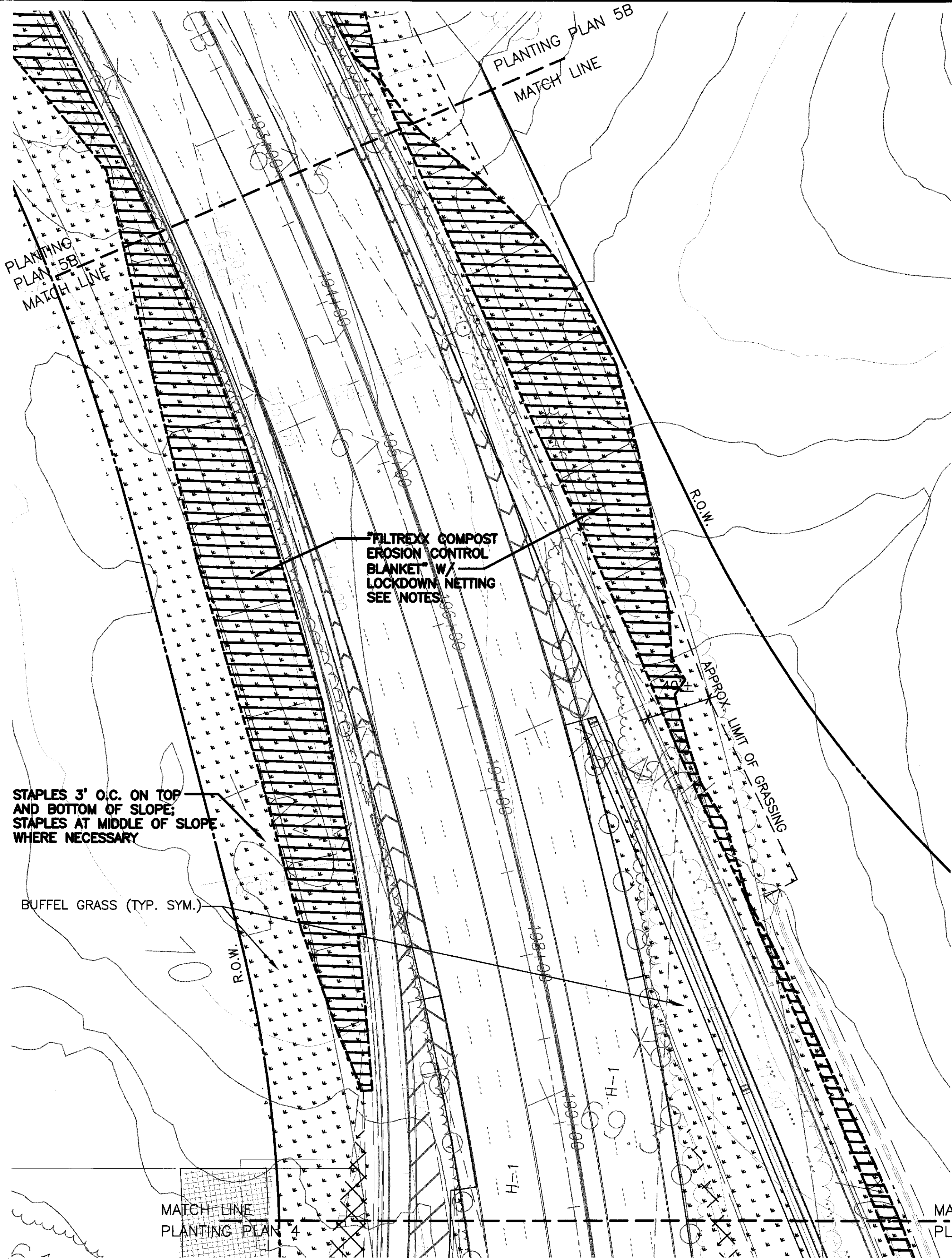
PLANTING PLAN - 5A
SCALE: 1"=40'

PLANTING PLAN - 5B
SCALE: 1"=40'

-  FILTREXX COMPOST EROSION CONTROL BLANKET
-  HYDROMULCHED W/BUFFEL GRASS & AALI SEEDS MIX
-  TEMPORARY IRRIGATION

- LANDSCAPE KEY:
-  BUFFEL GRASS, SEED W/ HYDROMULCH
 -  TEMPORARY IRRIGATION
 -  EROSION CONTROL MATTING OVER BUFFEL GRASS, SEED W/ HYDROMULCH
 -  TEMPORARY IRRIGATION

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.	STP-8930(4)	2007	379	380

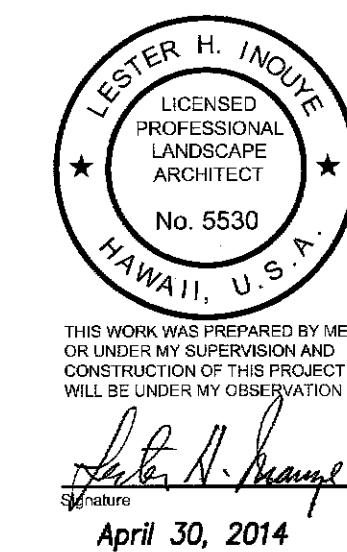
LANDSCAPE KEY:

	BUFFEL GRASS, SEED W/ HYDROMULCH TEMPORARY IRRIGATION
	EROSION CONTROL MATTING OVER BUFFEL GRASS, SEED W/ HYDROMULCH TEMPORARY IRRIGATION
	TEMPORARY GRASSING (OUTSIDE R.O.W.) RESTORE/PROVIDE BUFFEL GRASS AND TEMPORARY IRRIGATION FOR EROSION CONTROL.

LEGEND FOR AS-BUILT POSTINGS

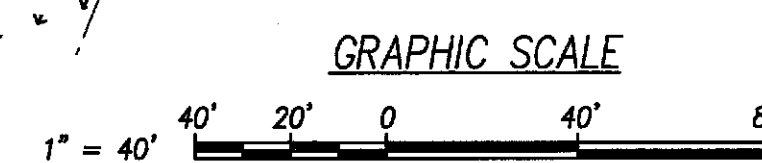
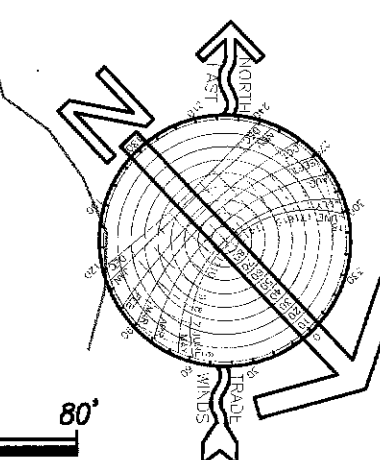
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

08/31/09	Revised slope areas
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION PLANTING PLAN - 6 North-South Road Phase 1C F.A.I. Proj. No. STP-8930(4) Date: FEB 21, 2007 SHEET No. L1.7 OF 8 SHEETS	



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION AND
CONSTRUCTION OF THIS PROJECT
WILL BE UNDER MY OBSERVATION

Lester H. Inoue
April 30, 2014
Expiration Date of the License



PLANTING PLAN - 6
SCALE: 1"=40'

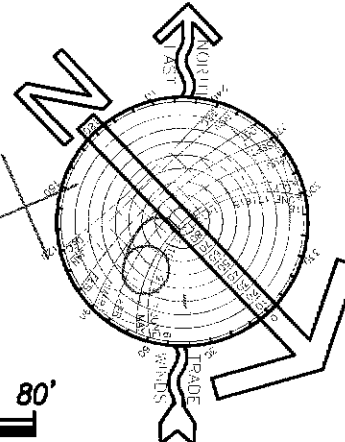
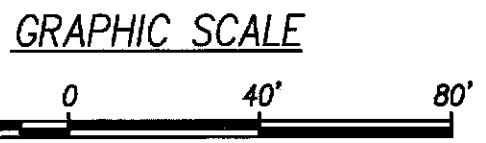


SURVEY PLATTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(4)	2007	CO 380	380

- LANDSCAPE KEY:
- BUFFEL GRASS, SEED W/ HYDROMULCH TEMPORARY IRRIGATION
 - EROSION CONTROL MATTING OVER BUFFEL GRASS, SEED W/ HYDROMULCH TEMPORARY IRRIGATION

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



08/31/09	Revised slope areas
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLANTING PLAN - 7

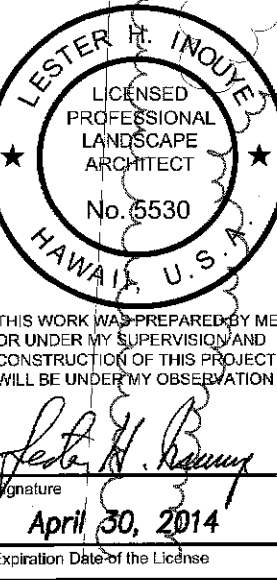
North-South Road

Phase 1C

F.A.I. Proj. No. STP-8930(4)

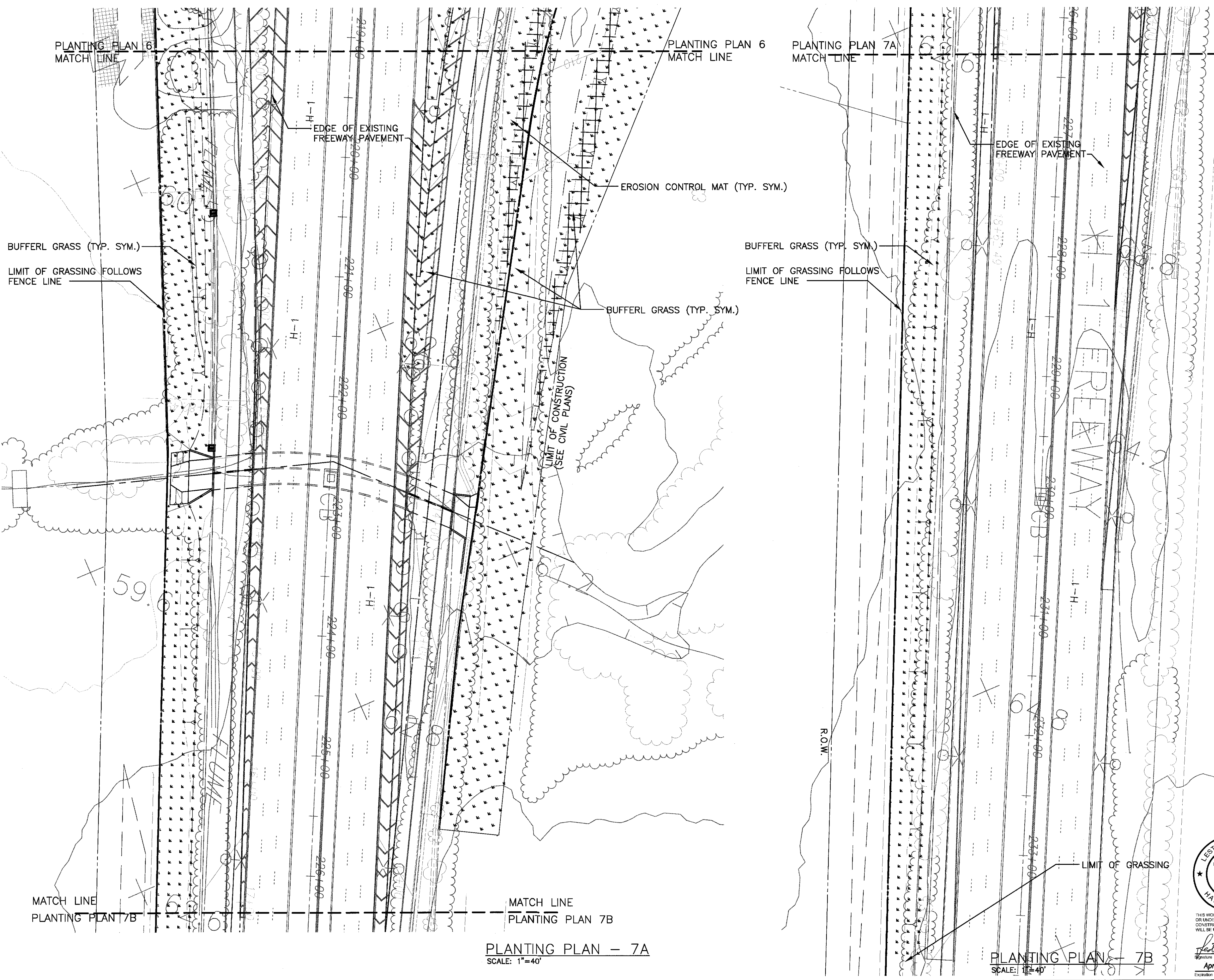
Date: FEB 21, 2007

SHEET No. L1.8 OF 8-SHEETS



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION

Lester R. Inoué
April 30, 2014
Exhibitor: Date of this License



PLANTING PLAN - 7A
SCALE: 1"=40'

PLANTING PLAN - 7B
SCALE: 1"=40'

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