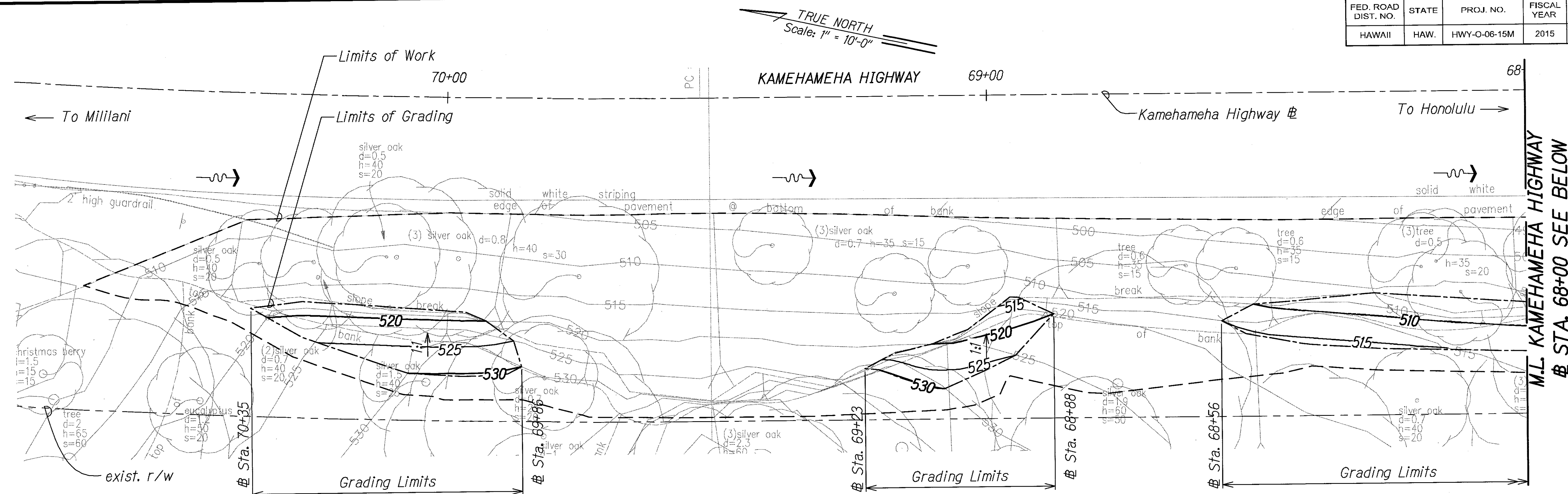
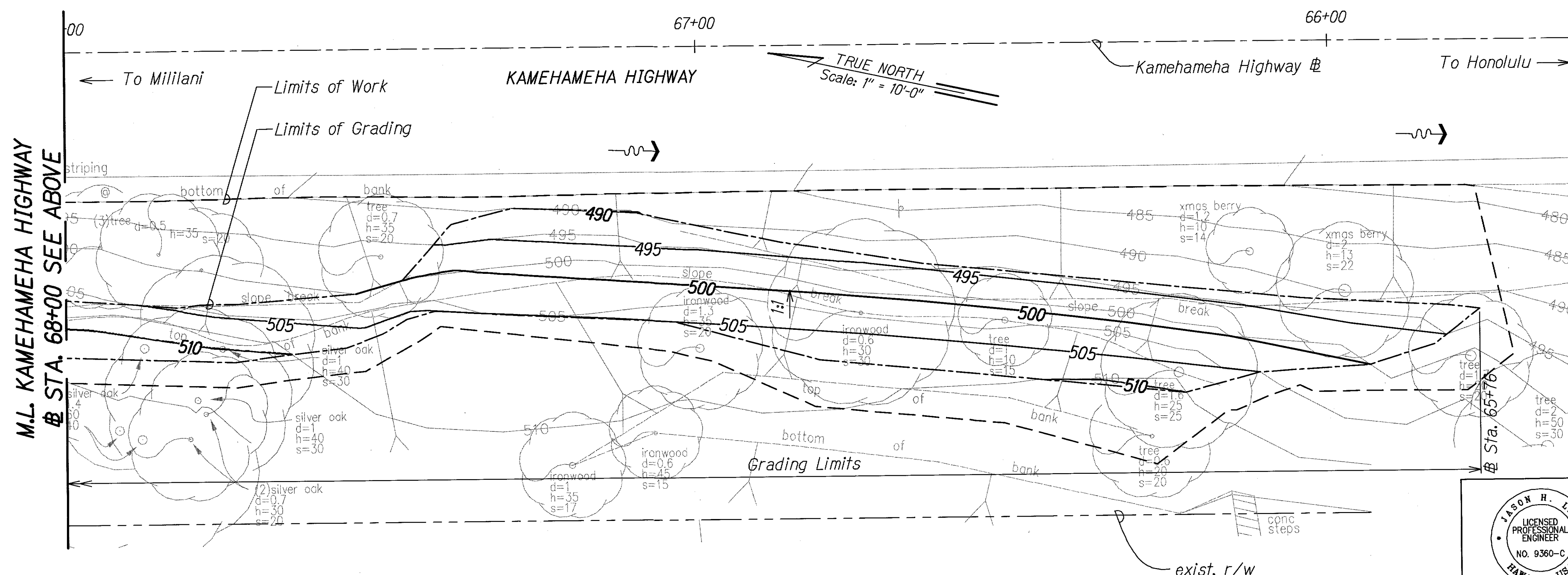


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-06-15M	2015	ADD. 19	71



M.L. KAMEHAMEHA HIGHWAY
STA. 68+00 SEE BELOW



LEGEND

--- 100 ---	Existing Contour
— 100 —	Finish Contour
---	Limits of Work
---	Limits of Grading

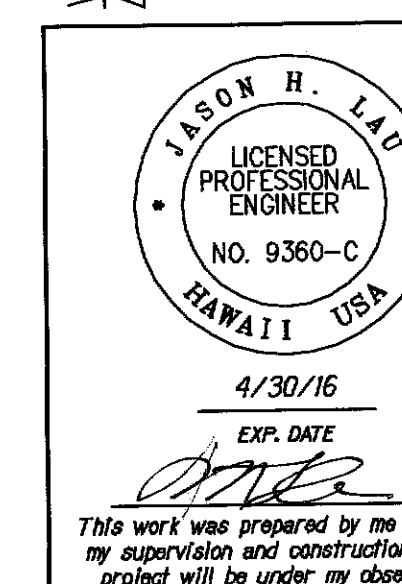
Earthwork Quantities*

Excavation	= 250 C.Y.
Embankment	= 10 C.Y.
Area to be Graded	= 0.10 Acres
Area to be Disturbed	= 0.35 Acres

*For Grading Permit Purposes Only

DATE	REVISION
06/08/15	ADDED GRADING QUANTITIES

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
GRADING PLAN PID 150
CENTRAL OAHU BEST MANAGEMENT PRACTICES ERODED SLOPE REPAIRS, PHASE 2 Project No. HWY-O-06-15M Scale: 1" = 10'-0" Date: May 2015
SHEET No. EC-04 OF 31 SHEETS



GRADING PLAN
PID 150
Scale: 1" = 10'-0"

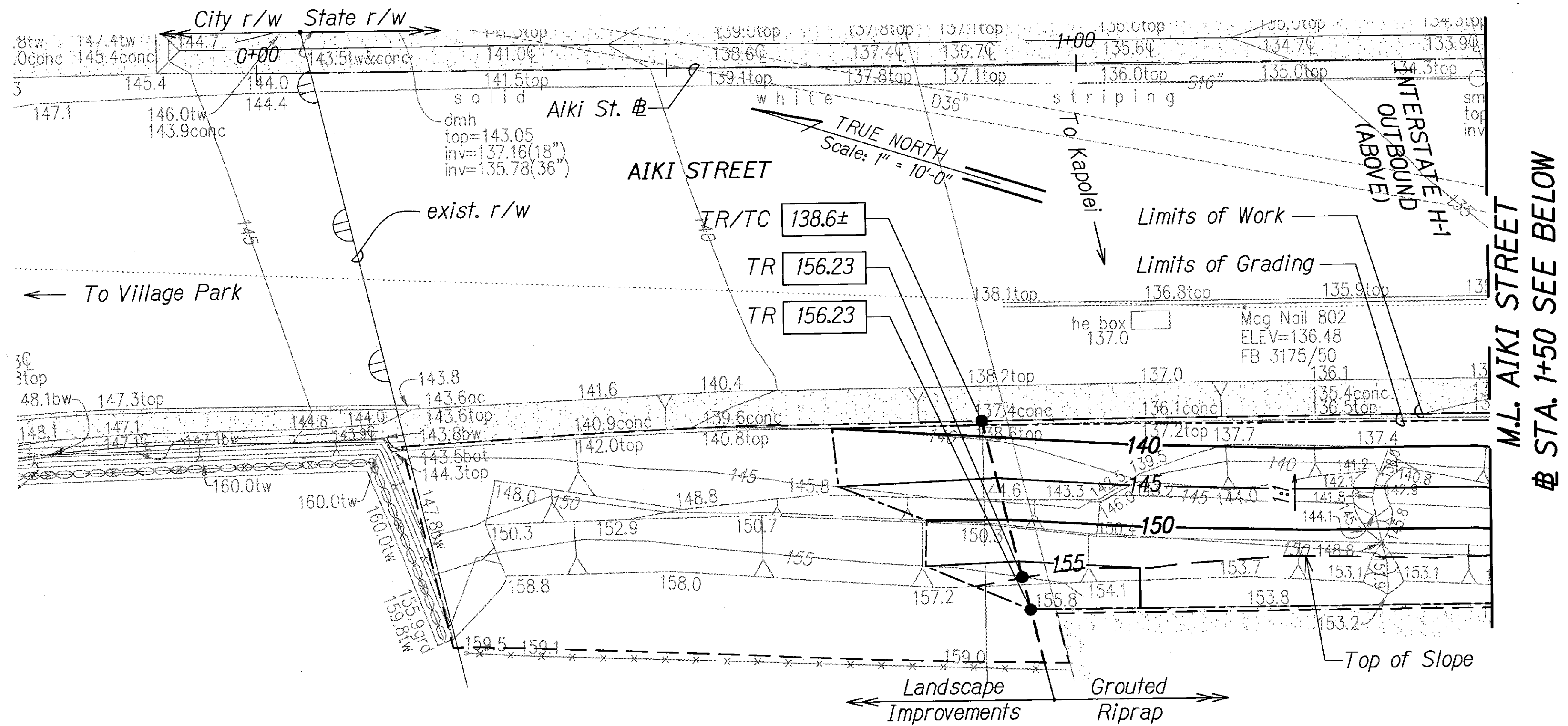
Notes:
1. For cross sections, see Sheets EC-05 and EC-06.

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

EC-VL-PID 150 GRADING PLAN 6/8/2015 9:34:41 AM

ADD. 19

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-06-15M	2015	ADD. 23	71



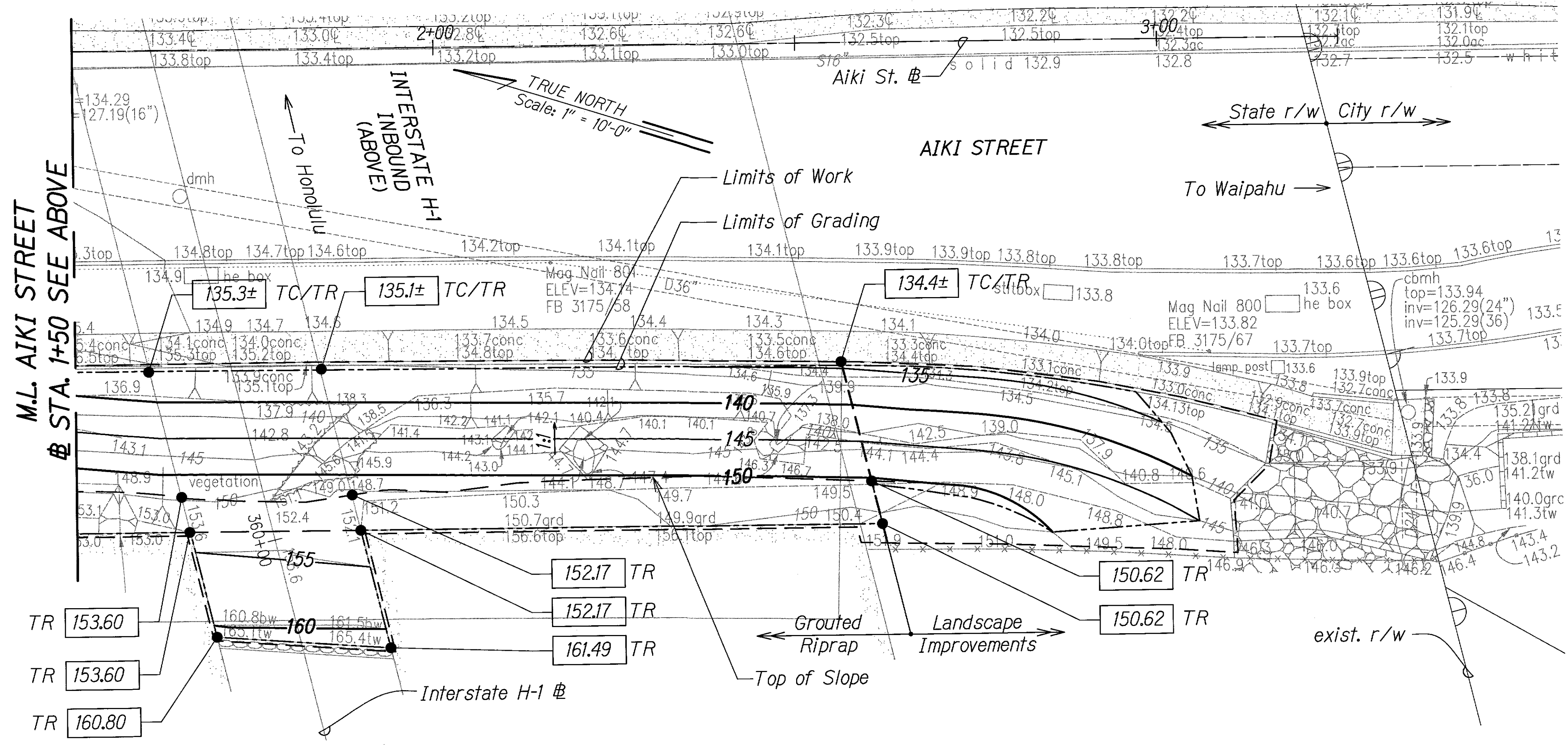
- LEGEND**
- 140--- Existing Contour
 - 140— Finish Contour
 - - - Limits of Work
 - - - Limits of Grading
 - 134.66 TC Top of Curb Elevation
 - 151.67 TR Top of Riprap

Earthwork Quantities*

Excavation = 135 C.Y.
 Embankment = 215 C.Y.
 Area to be Graded = 0.12 Acres
 Area to be Disturbed = 0.17 Acres

*For Grading Permit Purposes Only

Note:
 1. For cross sections, see sheet EC-11.



PID 987 GRADING PLAN
 Scale: 1" = 10'-0"

DATE	4/30/16
SURVEY PLOTTED BY	...
ORIGINAL PLAN	...
DRAWN BY	...
TRACED BY	...
NOTE BOOK	...
QUANTITIES BY	...
CHECKED BY	...
N.	...

06/08/15	ADDED GRADING QUANTITIES
DATE	REVISION

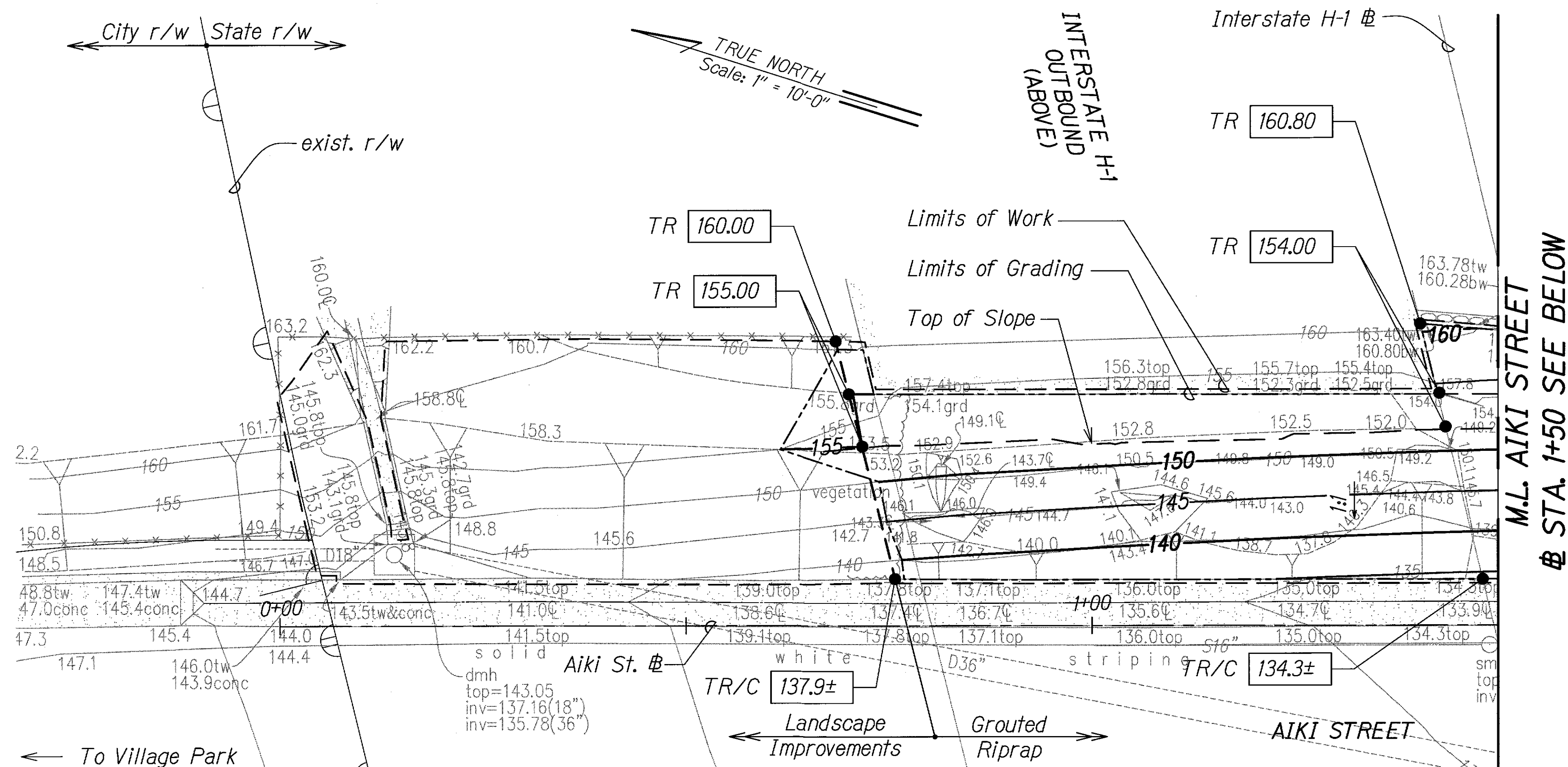
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

GRADING PLAN
PID 987

CENTRAL OAHU BEST MANAGEMENT PRACTICES
 ERODED SLOPE REPAIRS, PHASE 2
 Project No. HWY-O-06-15M
 Scale: 1" = 10'-0" Date: May 2015

SHEET No. EC-08 OF 31 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-06-15M	2015	ADD. 25	71



LEGEND

- 140-- Existing Contour
- 140— Finish Contour
- Limits of Work
- Limits of Grading
- 152.50 TR Top of Riprap
- 134.66 C Concrete Elevation

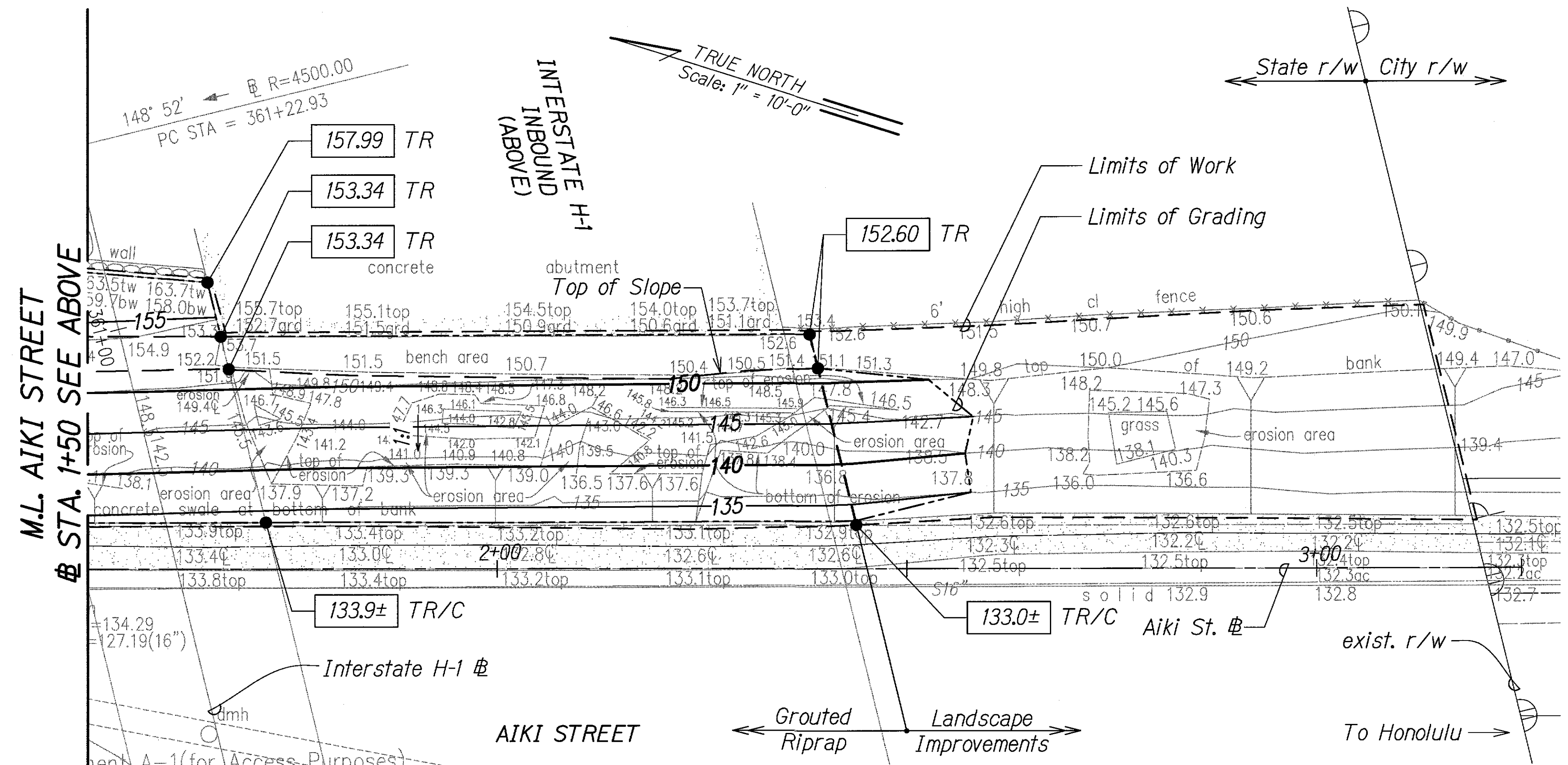
Earthwork Quantities*

Excavation	= 200 C.Y.
Embankment	= 140 C.Y.
Area to be Graded	= 0.10 Acres
Area to be Disturbed	= 0.19 Acres

*For Grading Permit Purposes Only

Note:

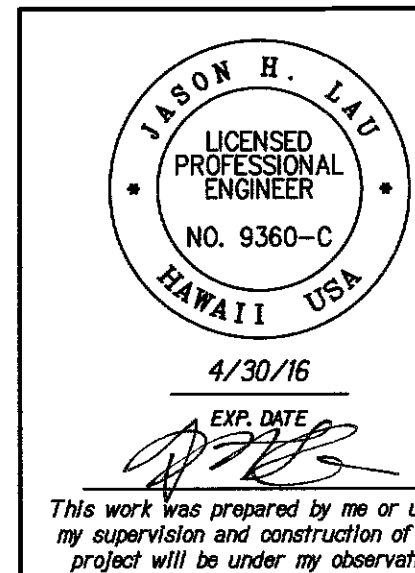
- For cross sections, see Sheet EC-11.



PID 988 GRADING PLAN

Scale: 1" = 10'-0"

06/08/15	ADDED GRADING QUANTITIES
DATE	REVISION



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
GRADING PLAN
PID 988
CENTRAL OAHU BEST MANAGEMENT PRACTICES
ERODED SLOPE REPAIRS, PHASE 2
Project No. HWY-O-06-15M
Scale: 1" = 10'-0" Date: May 2015

SHEET No. EC-10 OF 31 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-06-15M	2015	ADD. 36	71

Kalaniana'ole Highway # Sta. 32+75.35 O/S Lt. 51.21'
=PID 301161 # Sta. 0+00.00
Begin Rehabilitation of Exist. 24" CMP
Inv. = 171.78

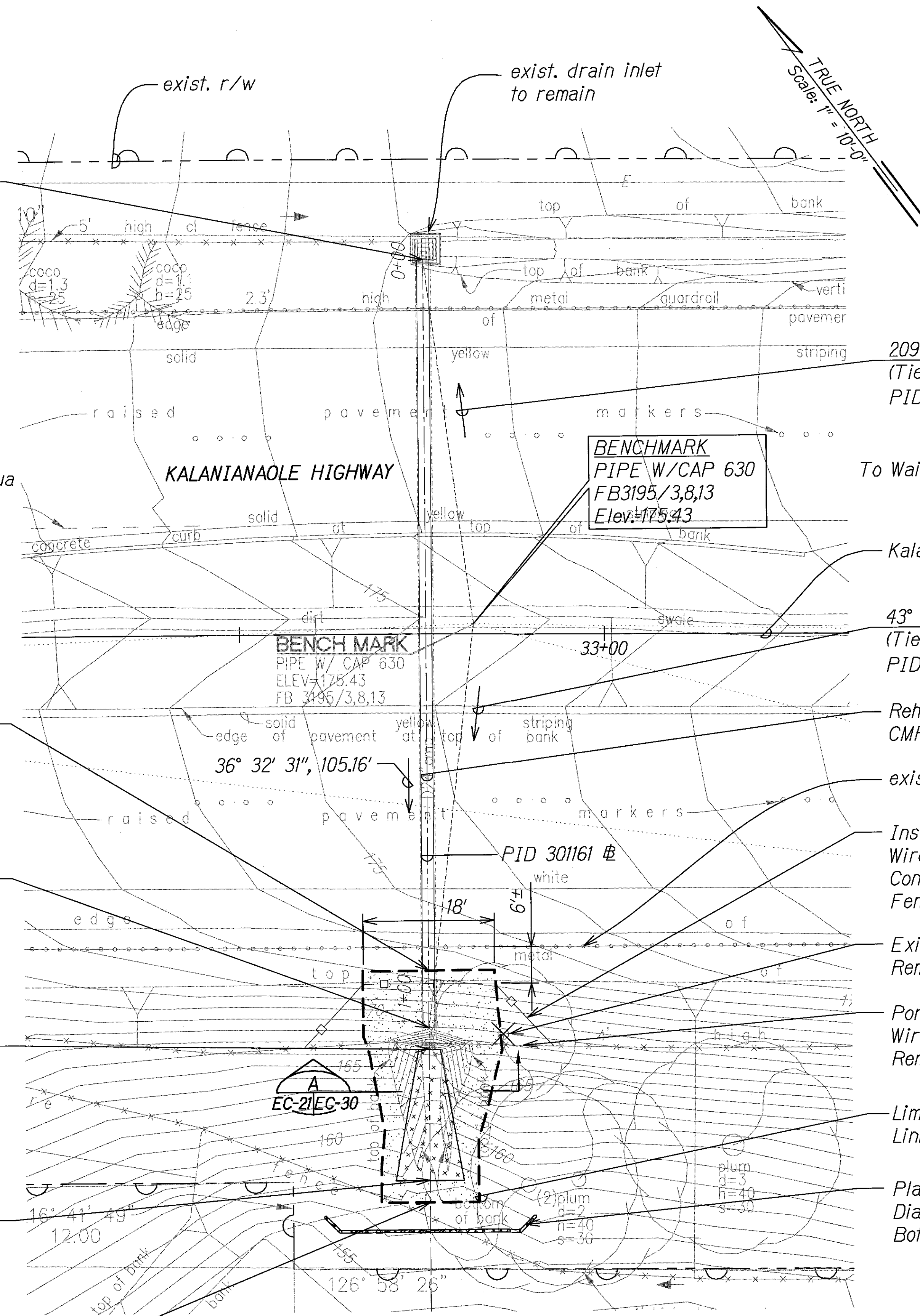
Kalaniana'ole Highway # Sta. 32+75.79 O/S Rt. 49.92'
=PID 301161 # Sta. 0+97.34
Begin Concrete Fabric Lining System

Kalaniana'ole Highway # Sta. 32+75.81 O/S Rt. 53.95'
=PID 301161 # Sta. 1+05.16
End Rehabilitation of Exist. 24" CMP
Inv. = 169.0±

Kalaniana'ole Highway # Sta. 32+75.82 O/S Rt. 56.91'
=PID 301161 # Sta. 1+08.11
Begin Concrete Armor Units (3' Width)

Kalaniana'ole Highway # Sta. 32+75.90 O/S Rt. 74.91'
=PID 301161 # Sta. 1+26.11
End Concrete Armor Units (9.3' Width)

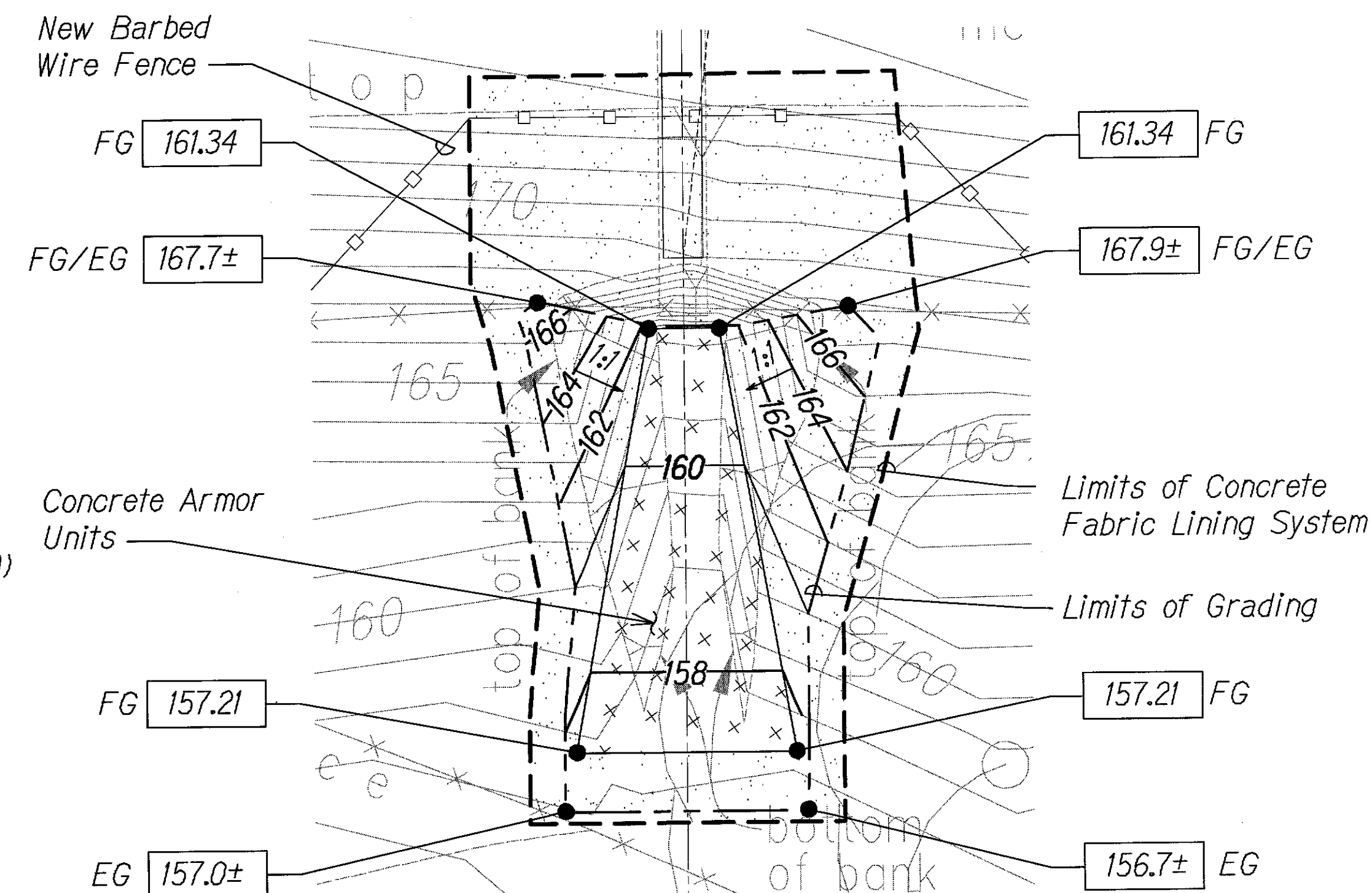
Kalaniana'ole Highway # Sta. 32+75.91 O/S Rt. 77.91'
=PID 301161 # Sta. 1+29.11
End Concrete Fabric Lining System



TEMPORARY EROSION CONTROL AND PERMANENT BMP PLAN **PID 301161** Scale: 1" = 10'-0"

Earthwork Quantities*	
Excavation	= 4 C.Y.
Embankment	= 5 C.Y.
Area to be Graded	= 0.01 Acres
Area to be Disturbed	= 0.01 Acres

*For Grading Permit Purposes Only



GRADING INSET DETAIL Scale: 1" = 5'-0"

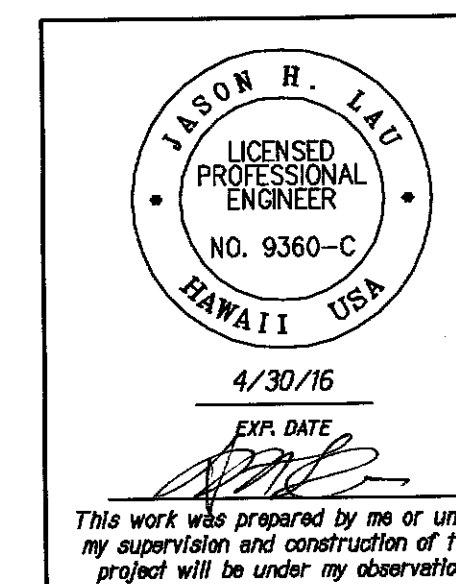
LEGEND

--- 100 ---	Existing Contour	157.21 FG	Finish Ground Elevation
— 100 —	Finish Contour	156.7± EG	Existing Ground Elevation
--- D24 ---	Existing 24" Culvert		Concrete Fabric
---	Limits of Conc. Fabric Lining System		Concrete Armor Units
---	Limits of Grading		Barbed Wire Fence

Notes:

1. Removal of existing barbed wire fence shall be of sufficient length to allow for the installation of the proposed improvements and shall begin/end at the nearest existing fence posts.
2. Installation of the new barbed wire fence shall begin/end at the limits of existing barbed wire fence removal, see sheet EC-30.
3. For concrete fabric details, see sheet EC-29.
4. For concrete armor unit detail, see sheet EC-30.
5. Contractor shall determine method of culvert rehabilitation and install in accordance with the specifications.
6. For CMP culvert profile, see sheet EC-22.

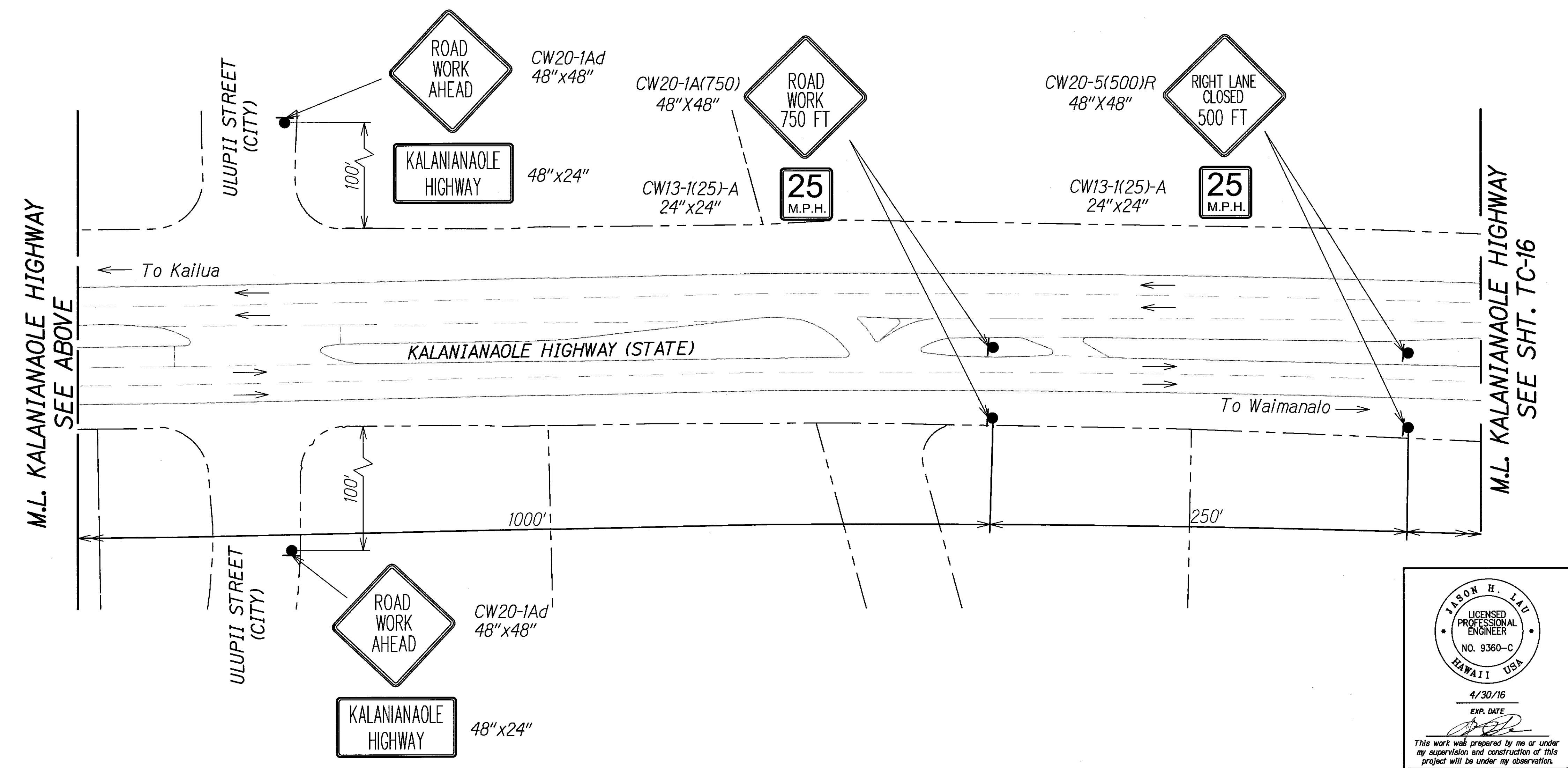
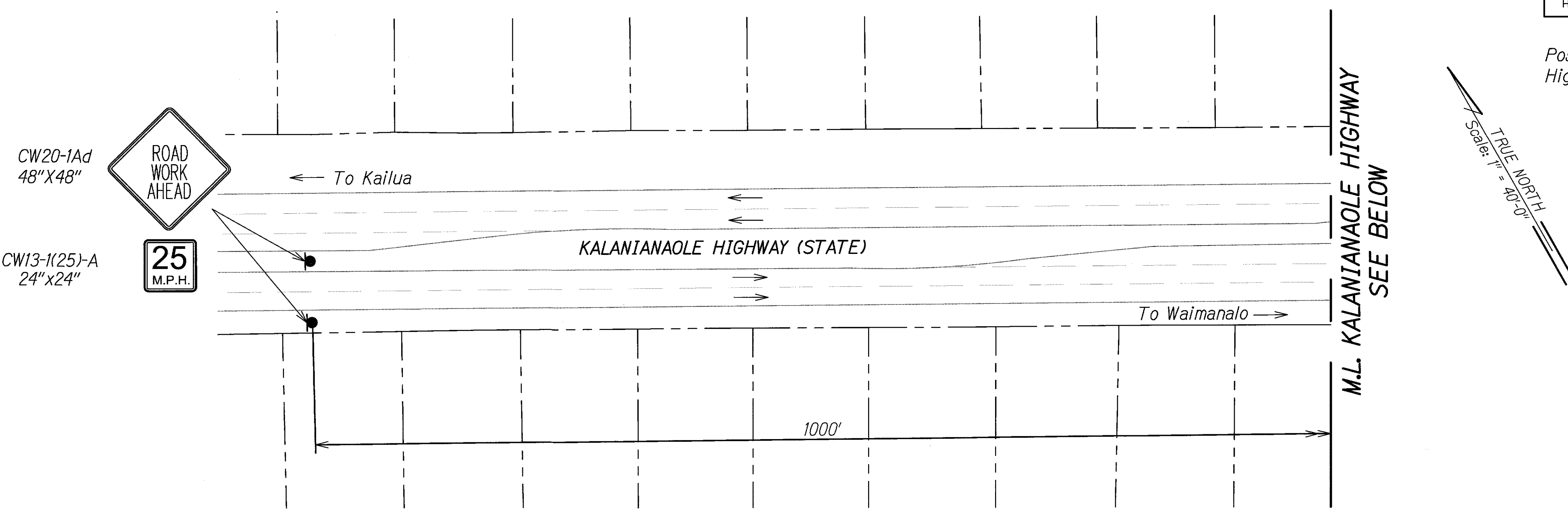
DATE	REVISION
06/08/15	ADDED GRADING QUANTITIES



STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
TEMP. EC AND PERM. BMP PLAN	
PID 301161	
CENTRAL OAHU BEST MANAGEMENT PRACTICES	
ERODED SLOPE REPAIRS, PHASE 2	
Project No. HWY-O-06-15M	
Scale: 1" = 10'-0"	Date: May 2015
SHEET No. EC-21 OF 31 SHEETS	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-06-15M	2015	ADD. 71S-1	71

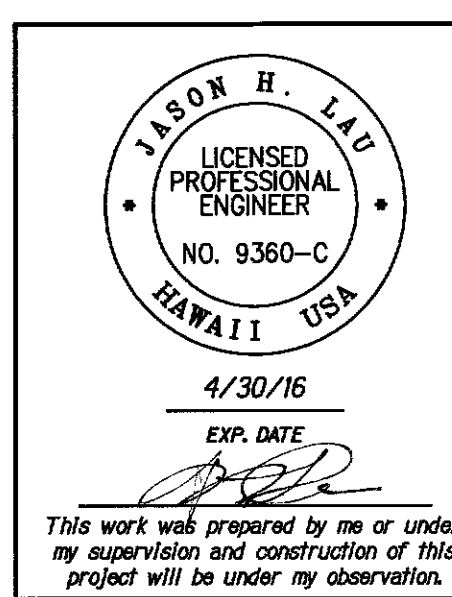
Posted speed limit along Kalaniana'ole Highway is 35 mph.



ORIGINAL PLAN	DATE
DESIGNED BY	
CHECKED BY	
NOTED BY	
DATE	

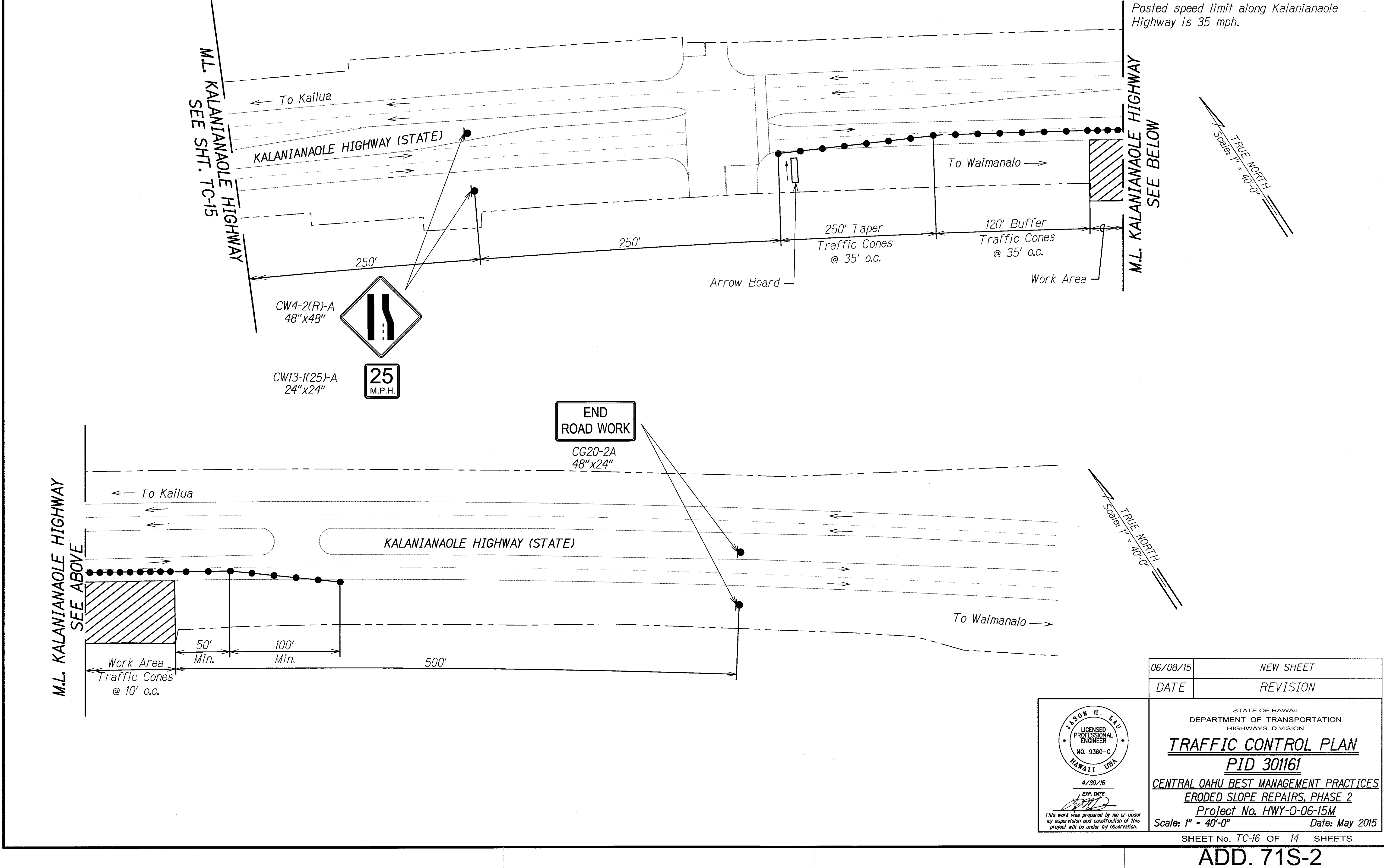
TC-XX TC-10 301161 6/2/2015 10:05 PM

06/08/15	NEW SHEET
DATE	REVISION



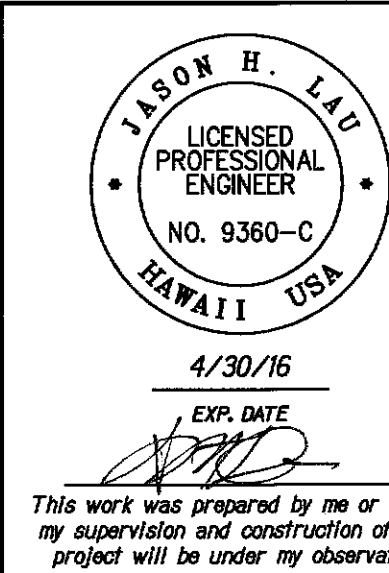
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TRAFFIC CONTROL PLAN
PID 301161
CENTRAL OAHU BEST MANAGEMENT PRACTICES
ERODED SLOPE REPAIRS, PHASE 2
Project No. HWY-O-06-15M
Scale: 1" = 40'-0" Date: May 2015

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-06-15M	2015	ADD. 71S-2	71



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

TO: X TO: PID BUILDING 6/12/2015 12:05 PM



06/08/15	NEW SHEET
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TRAFFIC CONTROL PLAN
PID 301161
CENTRAL OAHU BEST MANAGEMENT PRACTICES
ERODED SLOPE REPAIRS, PHASE 2
Project No. HWY-O-06-15M
Scale: 1" = 40'-0" Date: May 2015

SHEET No. TC-16 OF 14 SHEETS

ADD. 71S-2