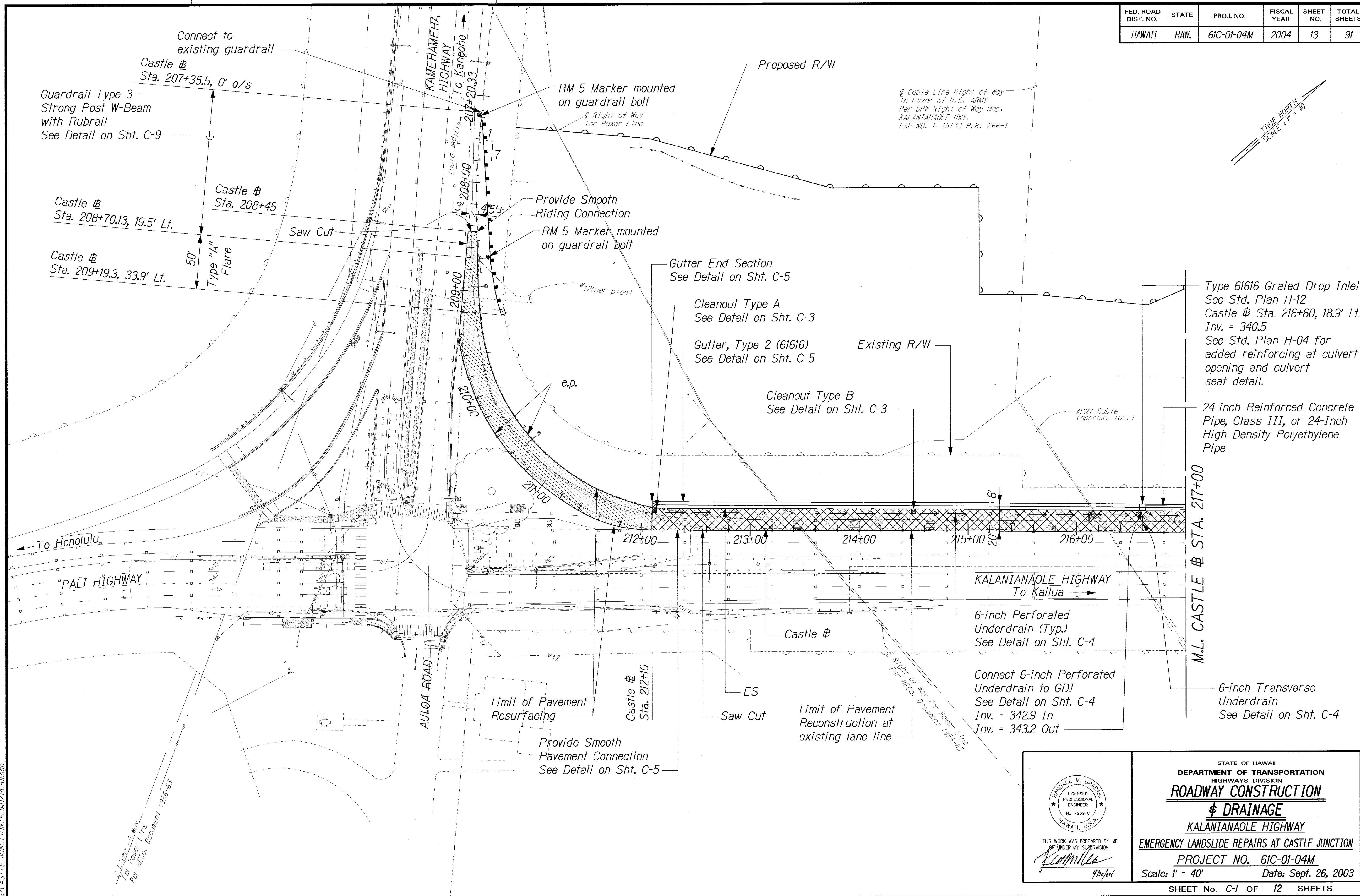
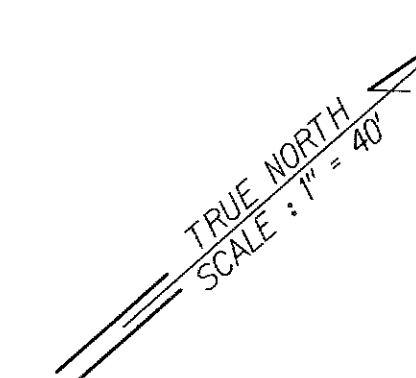


| FED. ROAD DIST. NO. | STATE | PROJ. NO.  | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 61C-01-04M | 2004        | 13        | 91           |



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

J:\CASTLE JUNCTION\ROAD\RC-01.dgn

Right of Way  
for Power Line  
Per HECO, Document 1956-63

THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION.

*R. M. Urasamy*  
4/26/04

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**ROADWAY CONSTRUCTION**  
**& DRAINAGE**  
KALANIANA'OLE HIGHWAY  
EMERGENCY LANDSLIDE REPAIRS AT CASTLE JUNCTION  
PROJECT NO. 61C-01-04M  
Scale: 1" = 40' Date: Sept. 26, 2003



| FED. ROAD DIST. NO. | STATE | PROJ. NO.  | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 61C-01-04M | 2004        | 14        | 91           |

Type 61616 Grated Drop Inlet  
See Std. Plan H-12  
Castle # Sta. 219+10±, 17.1'± Lt.  
Inv. = 326.8±  
See Std. Plan H-04 for additional reinforcing at culvert opening and culvert seat detail.  
Remove exist. headwall.  
Payment for removal of headwall shall be considered incidental to GDI.  
Intercept existing 30" RCP.  
Contractor shall verify invert and GDI width dimension required to intercept 30" RCP before casting GDI.

TRUE NORTH  
SCALE: 1" = 40'

M.L. CASTLE # STA. 217+00

24-Inch Reinforced Concrete Pipe, Class III, or 24-Inch High Density Polyethylene Pipe

Exist R/W

Cleanout Type B  
See Detail on Sht. C-3

Gutter, Type 2 (61616)  
See Detail on Sht. C-5

Cleanout Type C  
See Detail on Sht. C-3

Concrete Spillway  
See Detail on Sht. C-7

6-inch Nonperforated Underdrain Pipe

Daylight Underdrain  
See Detail Sht on C-3

Castle # Sta. 223+60

KALANIANA'OLE HIGHWAY

To Kailua

Castle #

ES

Cleanout Type B  
See Detail on Sht. C-3

6-inch Transverse Underdrain  
See Detail Sht. C-4

Saw Cut

Kalaniana'ole Hwy #

Connect 6-inch Perforated Underdrain to GDI  
See Detail on Sht. C-4  
Inv. = 330.0 In  
Inv. = 330.3 Out

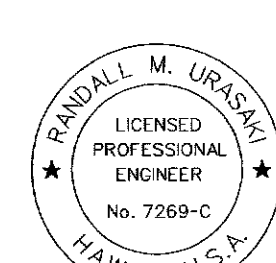
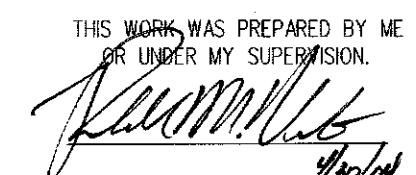
Limit of Pavement Reconstruction at existing lane line

6-inch Transverse Underdrain  
See Detail Sht. C-4

Cleanout Type C  
See Detail on Sht. C-3

|               |       |
|---------------|-------|
| DATE          | _____ |
| DESIGNED BY   | _____ |
| TRACED BY     | _____ |
| NOTE BOOK     | _____ |
| QUANTITIES BY | _____ |
| CHECKED BY    | _____ |
| N.            | _____ |

61CASTLE JUNCTION/ROAD/RC-02.dgn

|                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>THIS WORK WAS PREPARED BY ME<br>OR UNDER MY SUPERVISION.<br> | STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION<br><b>ROADWAY CONSTRUCTION</b><br><b># DRAINAGE</b><br>KALANIANA'OLE HIGHWAY<br>EMERGENCY LANDSLIDE REPAIRS AT CASTLE JUNCTION<br>PROJECT NO. 61C-01-04M<br>Scale: 1" = 40' Date: Sept. 26, 2003 |
|                                                                                                                                                                                                                                            | SHEET No. C-2 OF 12 SHEETS                                                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                            | 14                                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                       |