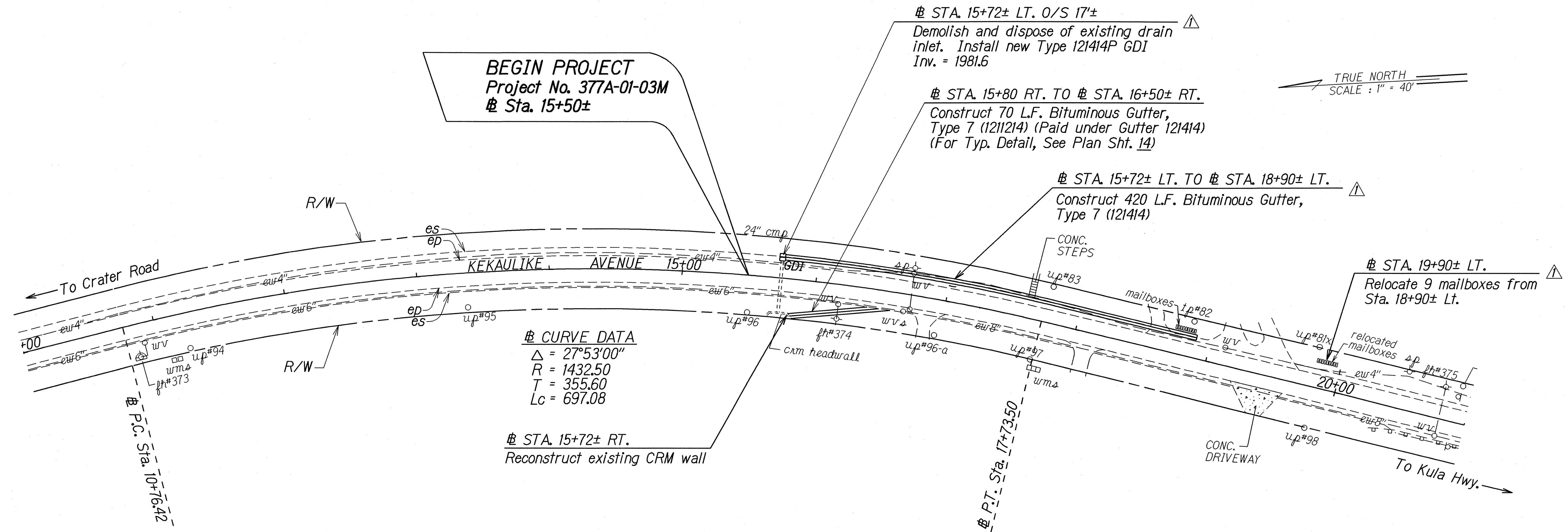


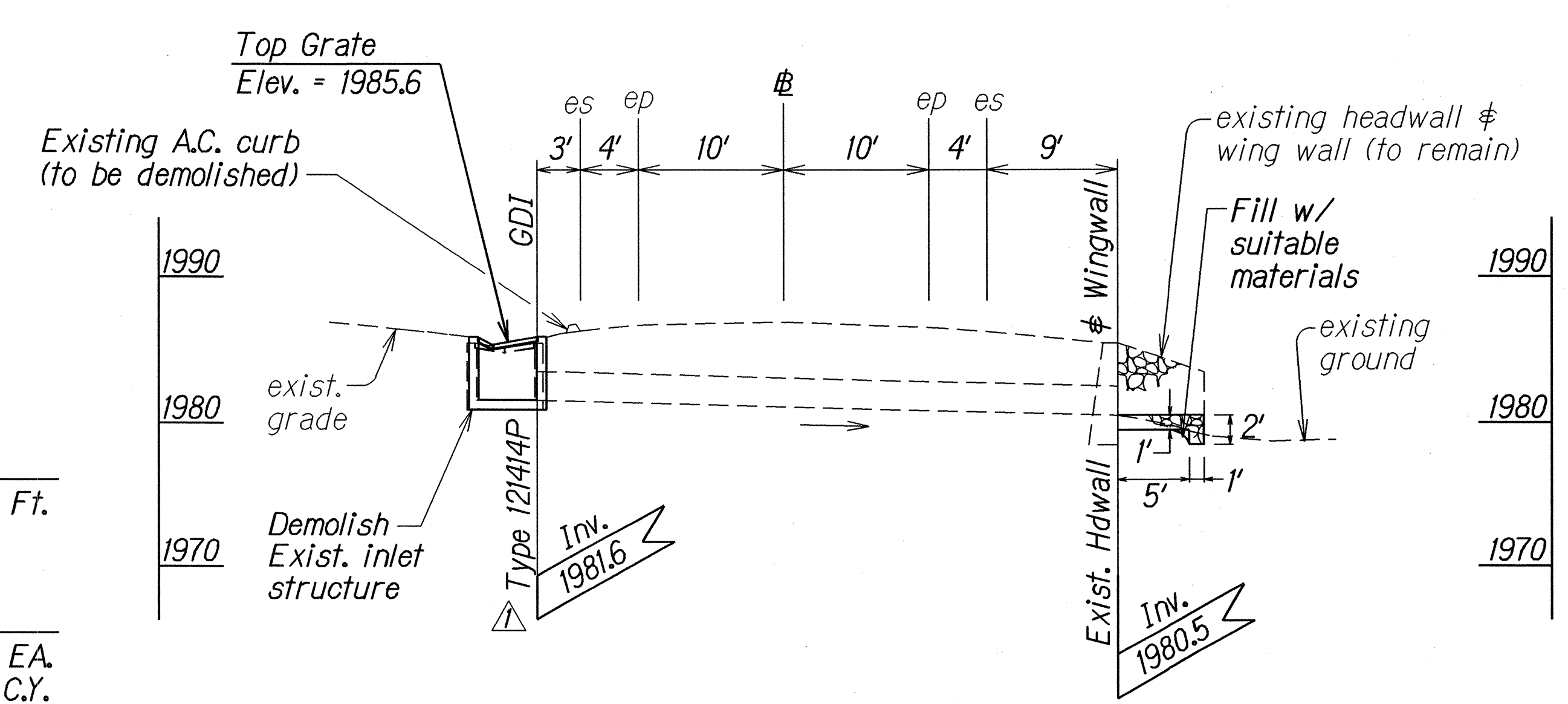
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	377A-01-03M	2003	ADD.7	16



CURVE DATA
 $\Delta = 27^\circ 53' 00''$
 $R = 1432.50$
 $T = 355.60$
 $L_c = 697.08$

- NOTE:**
- Demolition & disposing of existing structure shall be considered incidental to graded drop inlet pay items.
 - Backfill materials shall be incidental to CRM pay item.
 - New mailboxes shall be in compliance with latest AASHTO guidelines.

- △ STA. 15+72 LT. O/S 17'±
Construct: Type 121414P GDI, 4.00 Ft. to 4.99 Ft.
(For Detail, See Plan Sht. 14)
- △ **ESTIMATED QUANTITIES**
Type 121414P GDI, 4.00 Ft. to 4.99 Ft. 1 EA.
Structure Excavation 1 C.Y.



PROFILE - 24" CULVERT @ STA. 15+72
Scale: 1/8" = 1'-0"

STA. 15+72 RT. O/S 22'±
Construct: CRM at invert of existing outlet

ESTIMATED QUANTITIES
CRM 3 C.Y.

SURVEY PLOTTED BY	DATE
DRAWN BY	4/03
TRACED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
me1.reddy	
SK/etm/ldg	

6/16/03	Revised Grated Drop Inlet. Added Notes.
DATE	REVISIONS

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
SITE 1, M.P. 6.3

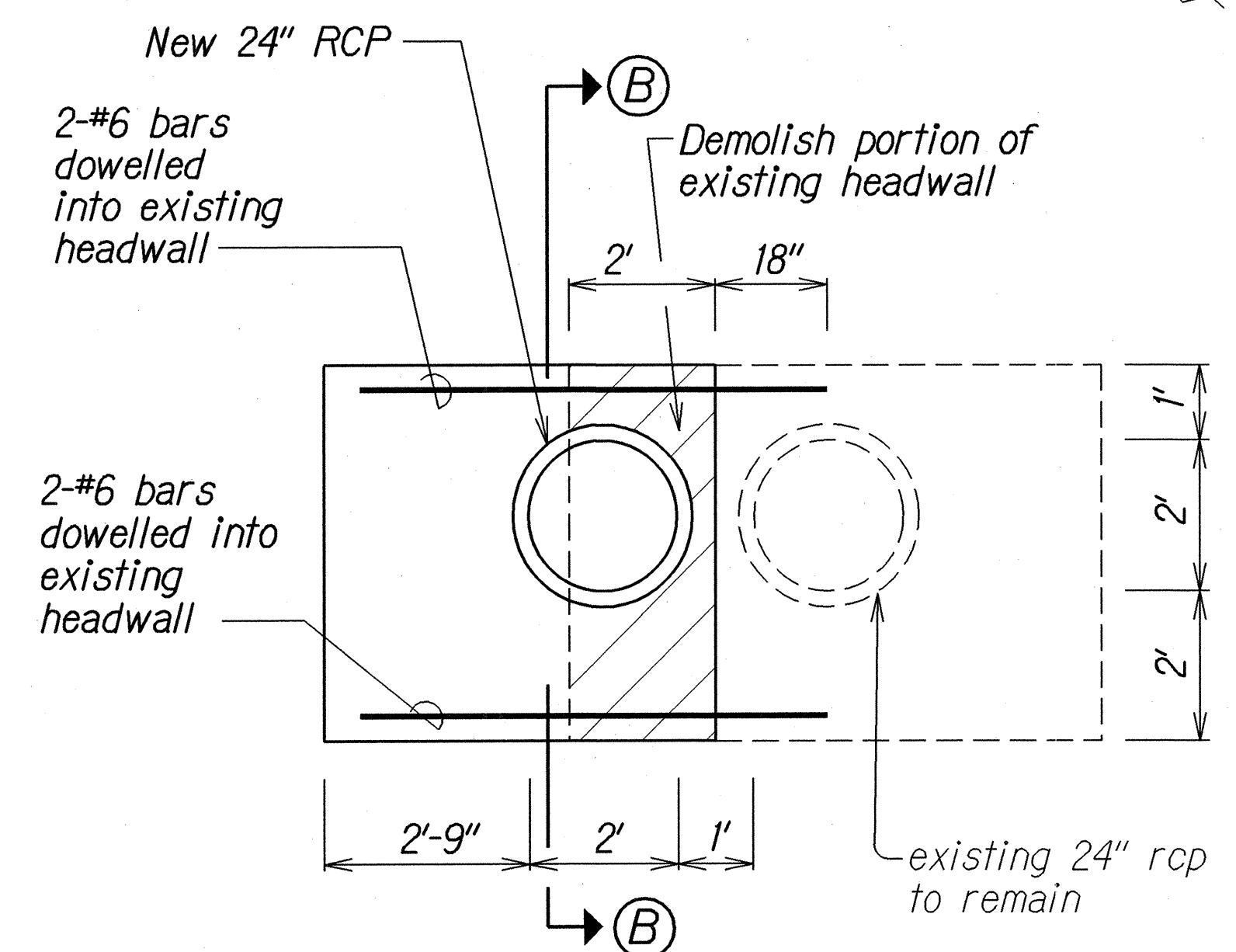
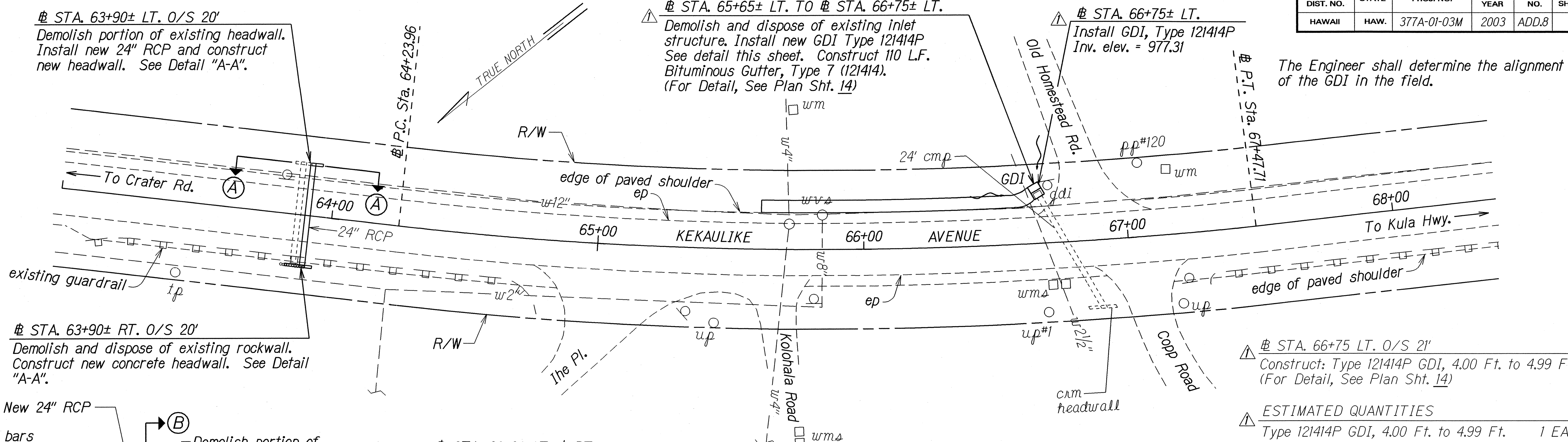
KEKAULIKE AVENUE REPAIRS AND
MAINTENANCE AT VARIOUS LOCATIONS
Haleakala Crater Road to Kula Highway
Project No. 377A-01-03M

Scale: 1" = 40' Date: April, 2003

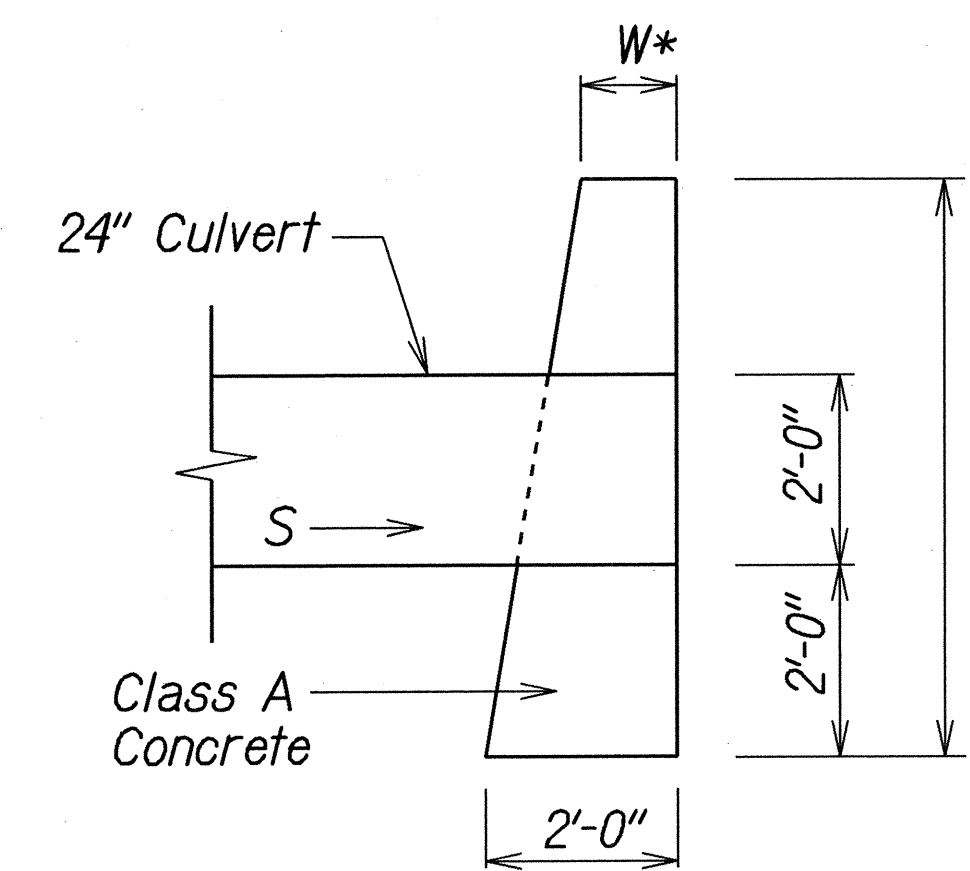
SHEET No. 1 OF 7 SHEETS

ADD. 7

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	377A-01-03M	2003	ADD.8	16



SECTION THRU A-A
Scale: 1/2" = 1'-0"



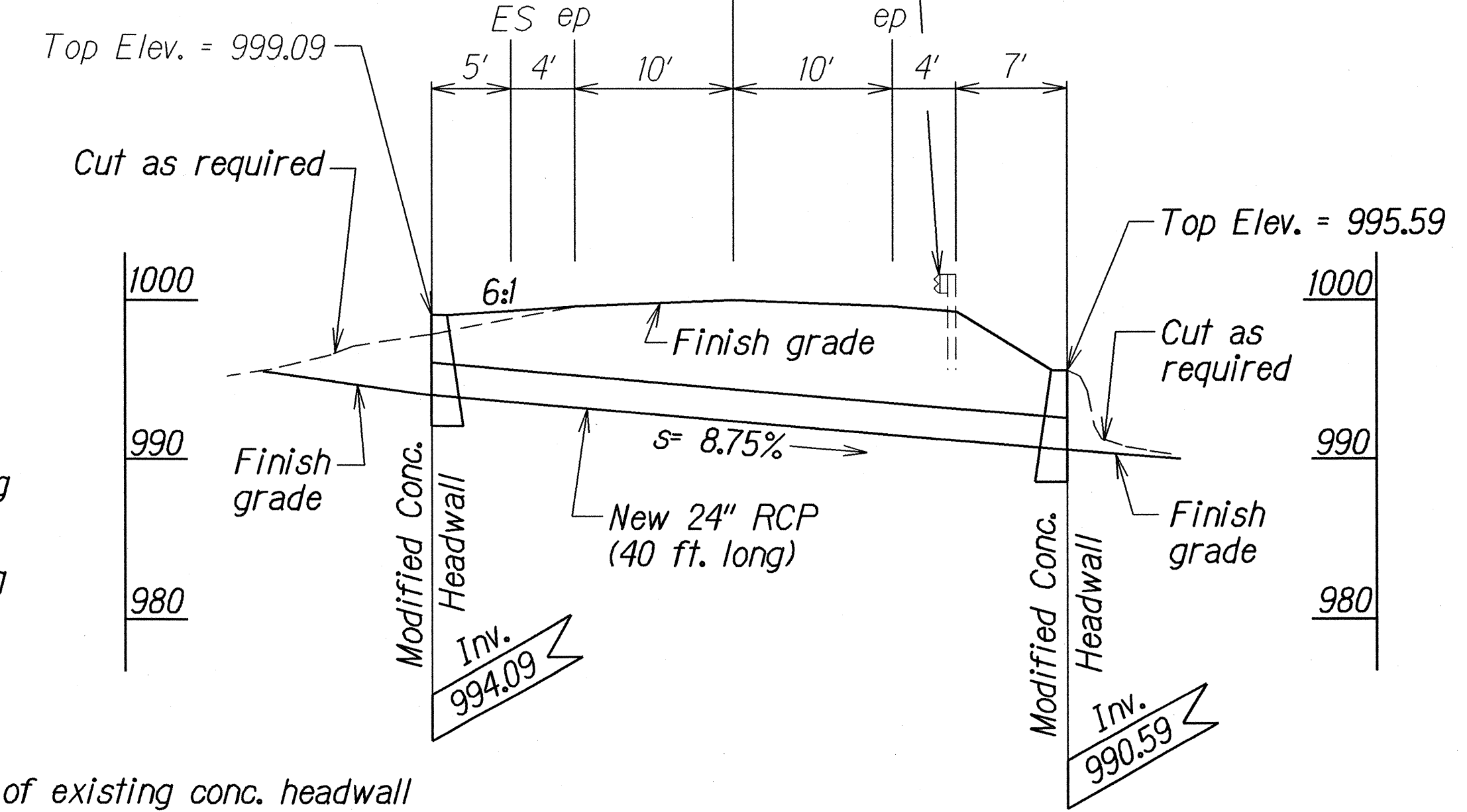
SECTION B-B
Scale: 1/2" = 1'-0"

△ STA. 63+90 LT. & RT.
Construct: Modified Conc. Headwall
Install: 24" RCP

ESTIMATED QUANTITIES

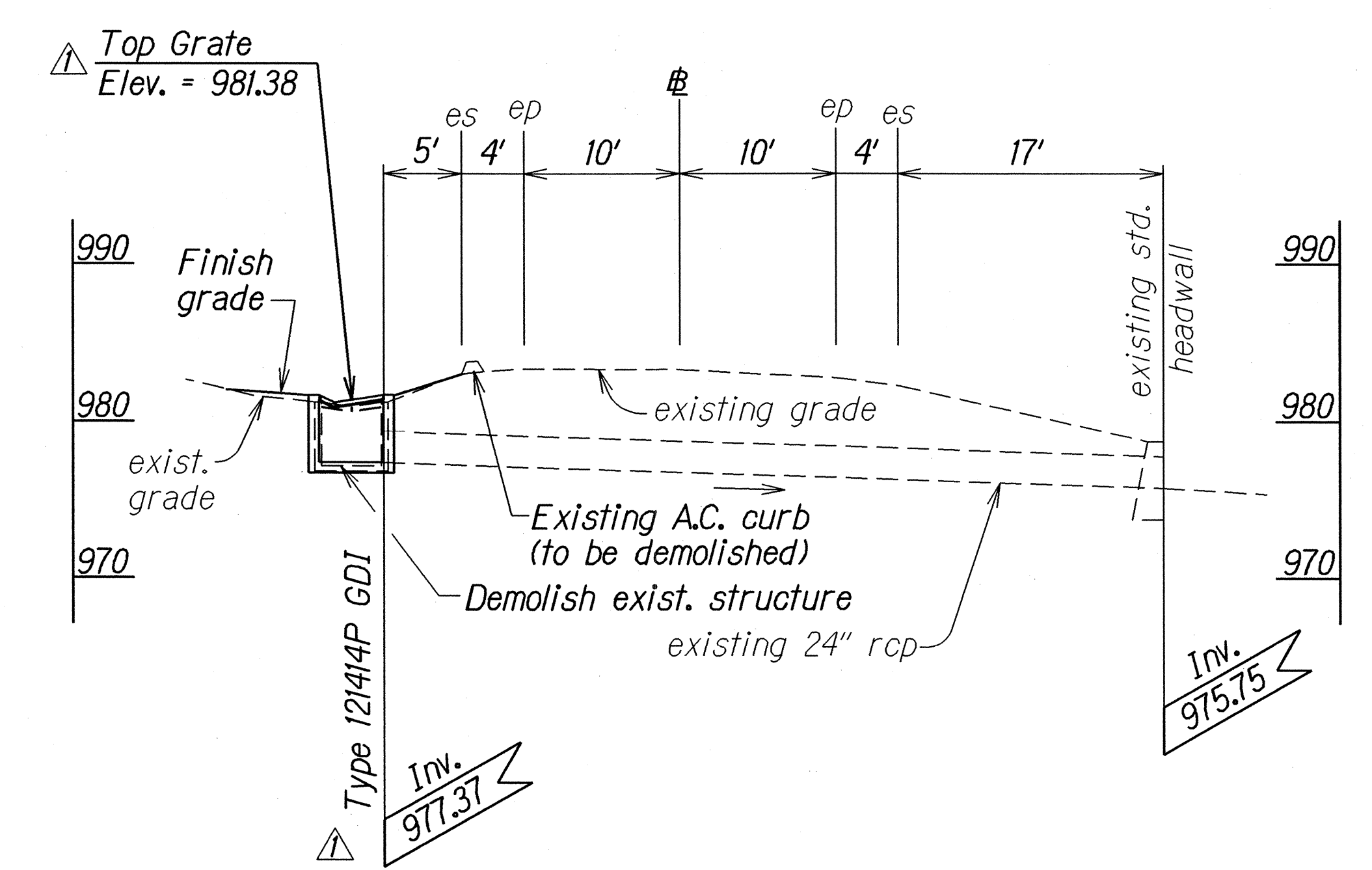
Class A Concrete	4.00 C.Y.
24" RCP	40 L.F.
Structure Excavation	30 C.Y.
Bed Course	10 C.Y.

PLAN
Scale: 1" = 20'-0"



PROFILE - 24" RCP @ STA. 63+90
Scale: 1/8" = 1'-0"

DETAILS - 24-INCH RCP @ STA. 63+90
Scale: As Shown



PROFILE - 24" CULVERT @ STA. 66+75±
Scale: 1/8" = 1'-0"

NOTE:
Demolition and dispose existing concrete structure shall be incidental to grate drop inlet items.

DATE	REVISION
6/12/03	Added and revised notes.

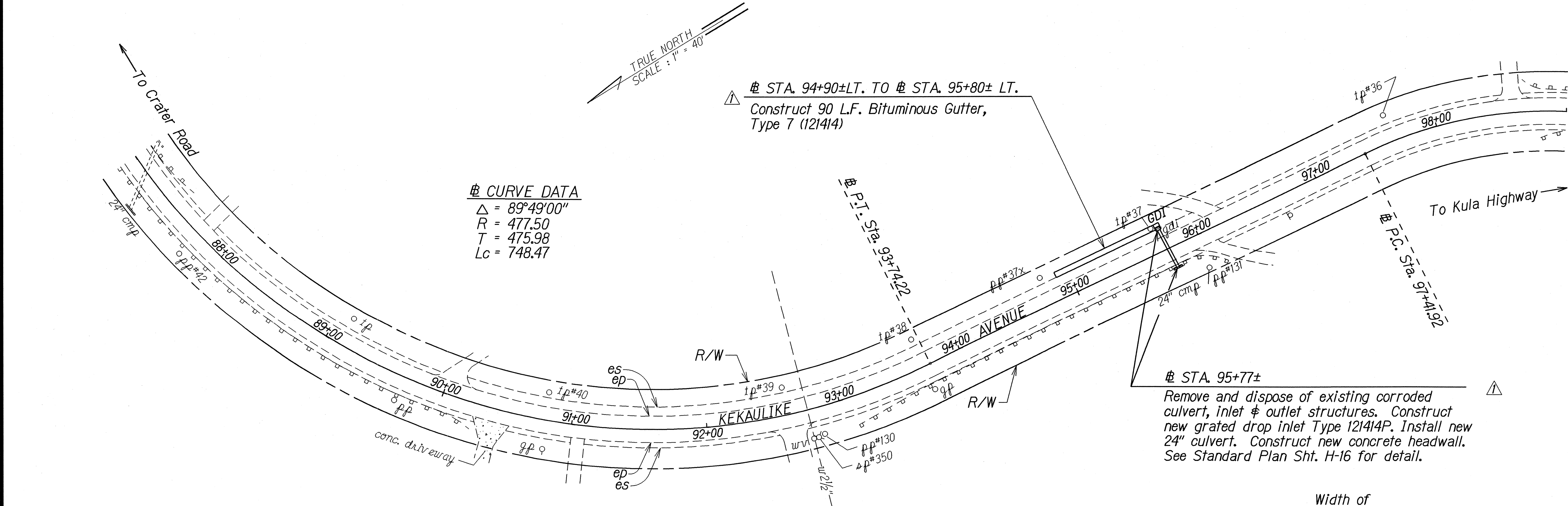
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
SITE 2, M.P. 7.2
KEKAULIKE AVENUE REPAIRS AND MAINTENANCE AT VARIOUS LOCATIONS
Haleakala Crater Road to Kula Highway
Project No. 377A-01-03M

Scale: 1" = 40' Date: April, 2003

SHEET No. 2 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	377A-01-03M	2003	ADD.9	16

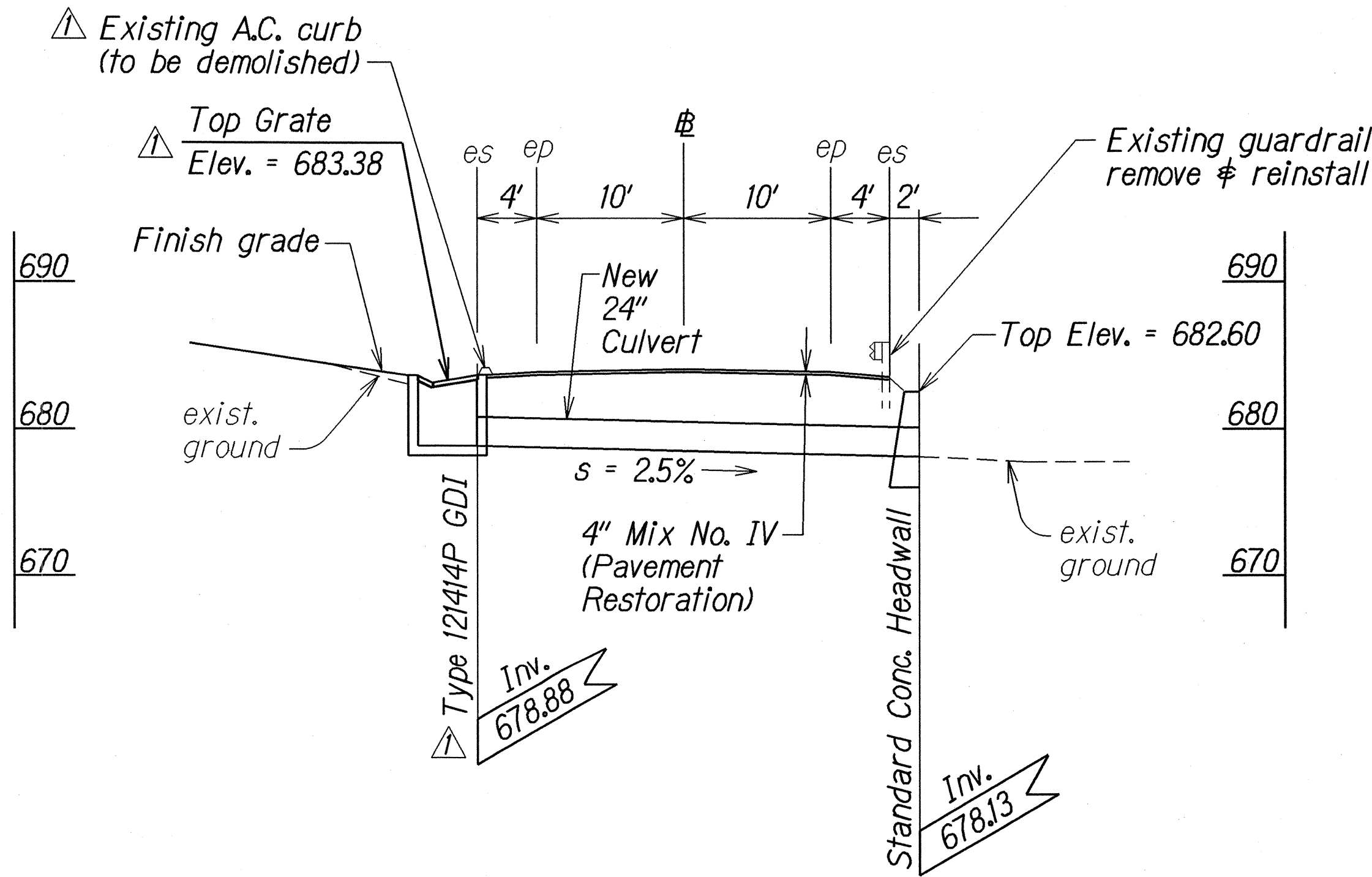


NOTE:

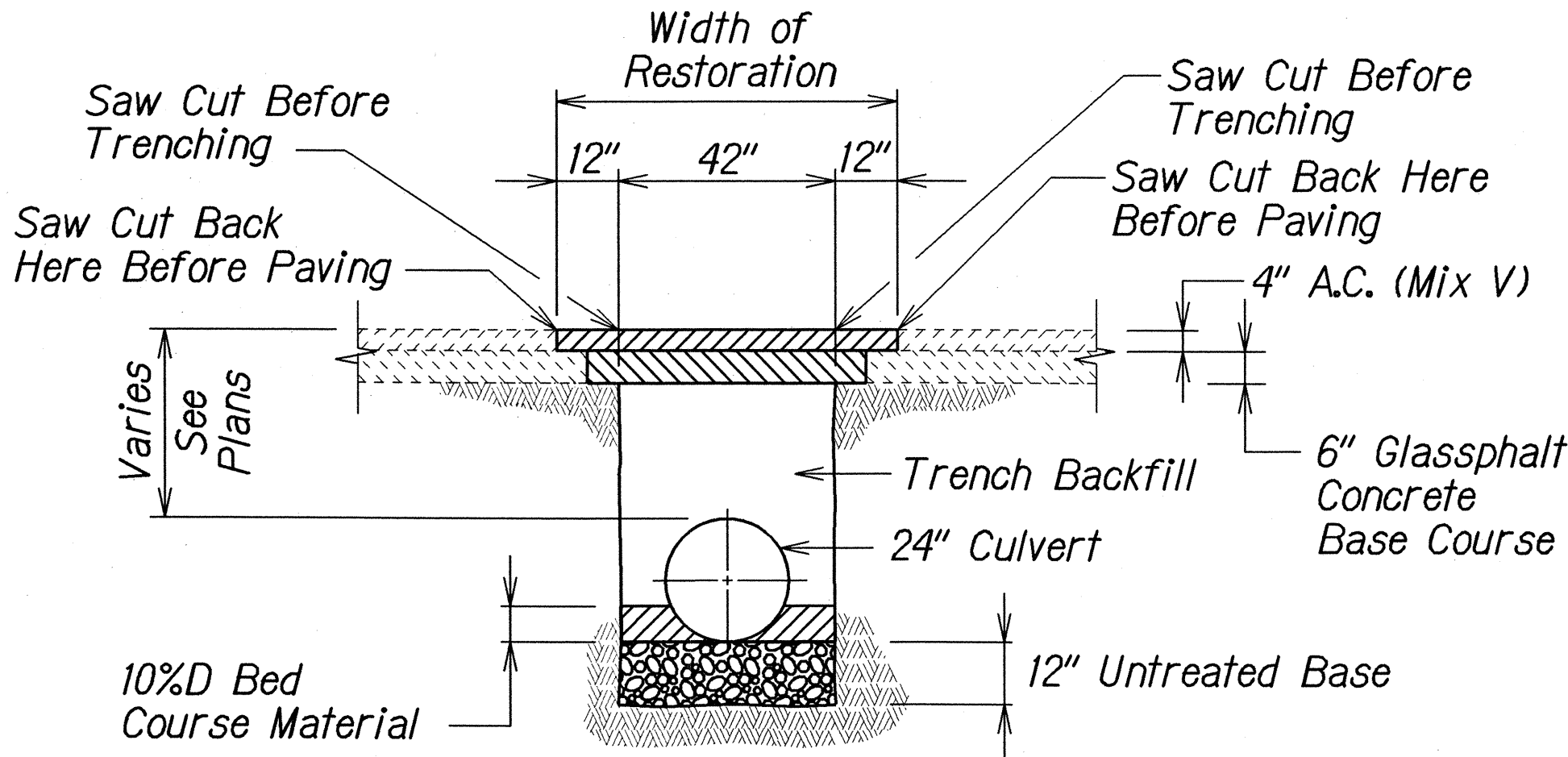
- Demolition removing and disposing the entire culvert and conc. structures @ Sta. 95+77 will not be paid separately but will be considered incidental to the structure excavation.
- Pavement restoration shall be incidental to Item No. 603.1011.

△ STA. 95+77 LT. 0/S 14', RT. 0/S 16'
Construct: Type 121414P GDI, 4.00 Ft. to 4.99 Ft.
(For Detail, See Plan Sht. 14)
Standard Concrete Headwall
Install: 24" Culvert

ESTIMATED QUANTITIES	
Type 121414P GDI, 4.00 Ft. to 4.99 Ft.	1 EA.
Class "A" Concrete	2.0 C.Y.
Structure Excavation	35 C.Y.
Bed Course	5 C.Y.
24" Culvert	30 L.F.



PROFILE - 24" RCP @ STA. 95+77
Scale: 1/8" = 1'-0"



TYPICAL PAVEMENT RESTORATION
SECTION WITHIN STATE RIGHT-OF-WAY
Not To Scale

DATE	4/03
SURVEY PLOTTED BY	
DRAWN BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

6/16/03	Added and revised notes.
DATE	REVISION

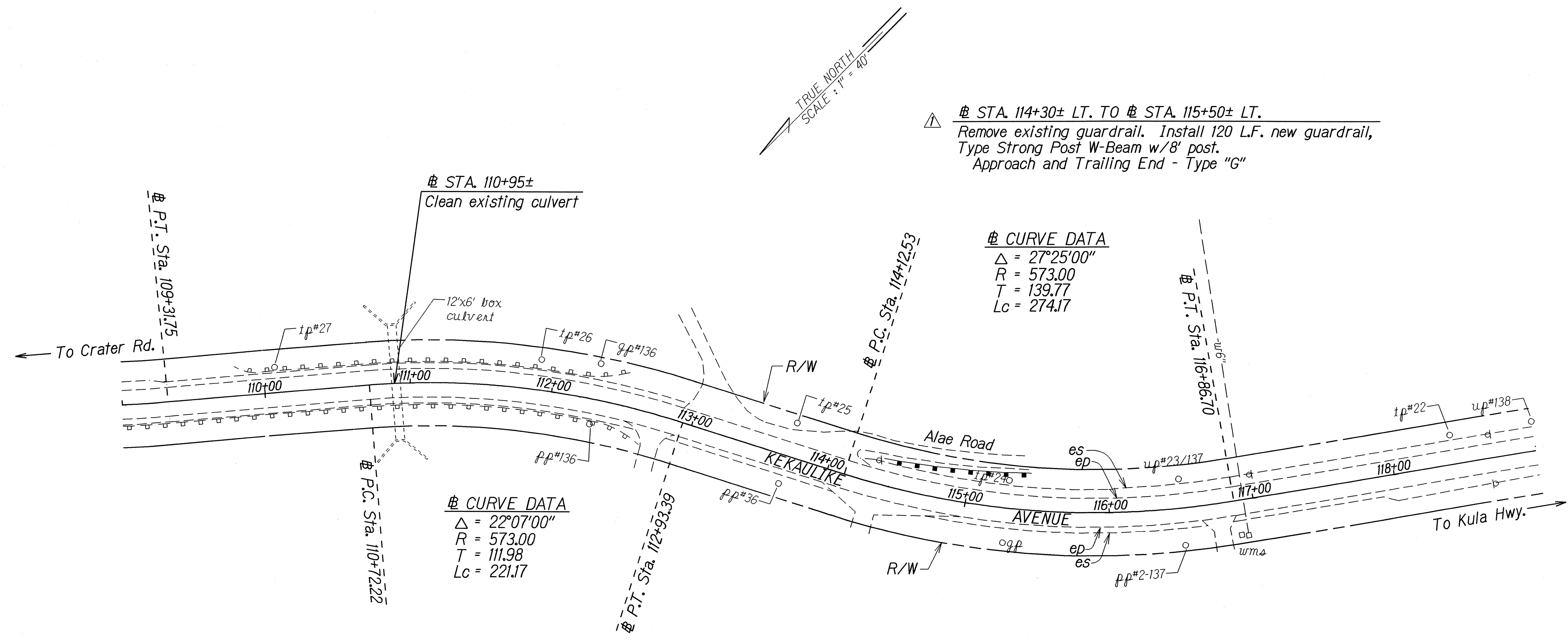
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
SITE 3, M.P. 7.8

KEKAULIKE AVENUE REPAIRS AND
MAINTENANCE AT VARIOUS LOCATIONS
Haleakala Crater Road to Kula Highway
Project No. 377A-01-03M

Scale: 1" = 40' Date: April, 2003

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	377A-01-03M	2003	ADD.10	16



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED BY	DRAWN BY	4/03
CHECKED BY	TRACED BY	
	QUANTITIES BY	
	CHECKED BY	

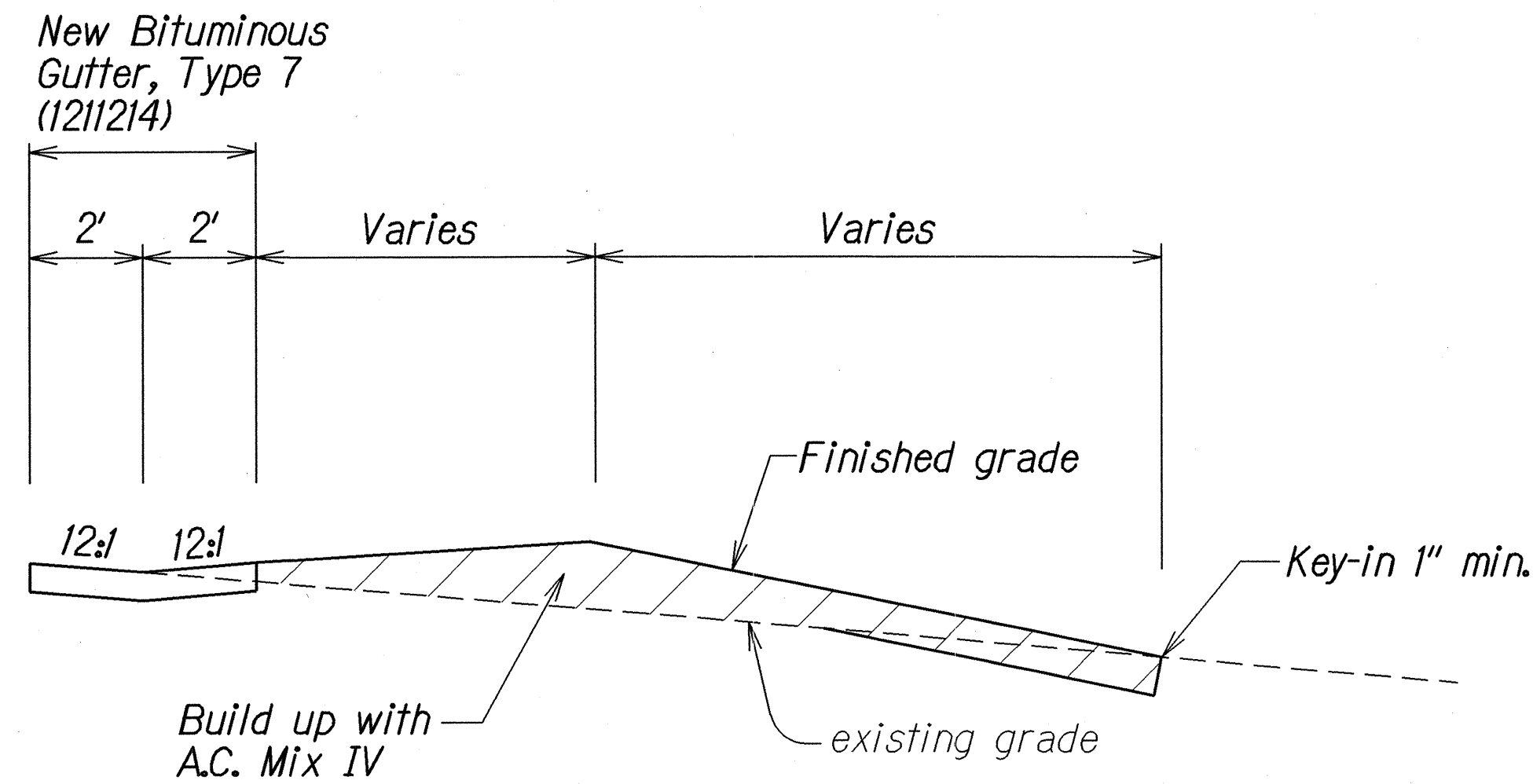
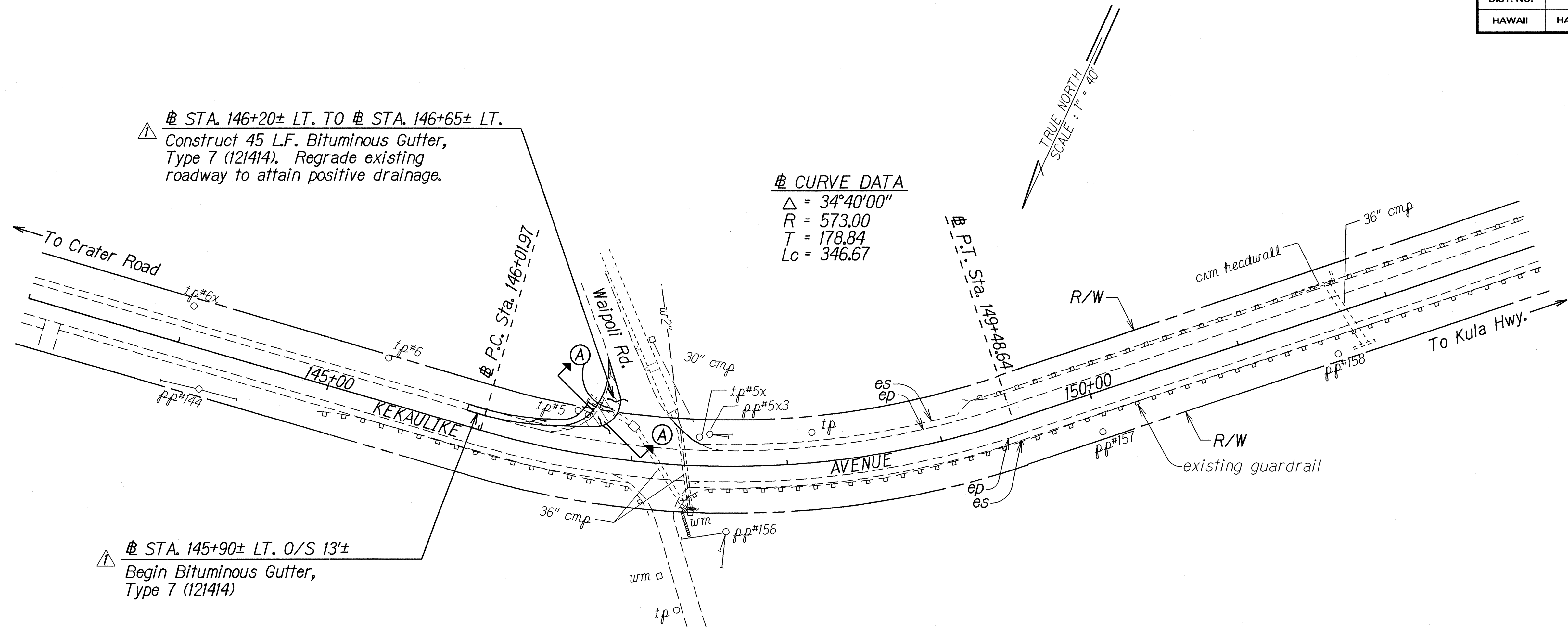
6/16/03	Added Notes.
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
SITE 4, M.P. 81
KEKAULIKE AVENUE REPAIRS AND
MAINTENANCE AT VARIOUS LOCATIONS
Haleakala Crater Road to Kula Highway
Project No. 377A-01-03M
Scale: 1" = 40' Date: April, 2003

SHEET No. 4 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	377A-01-03M	2003	ADD.12	16



SECTION THRU "A-A"
Not To Scale

NOTE:
Regrading existing roadway shall be incidental to various drainage items.

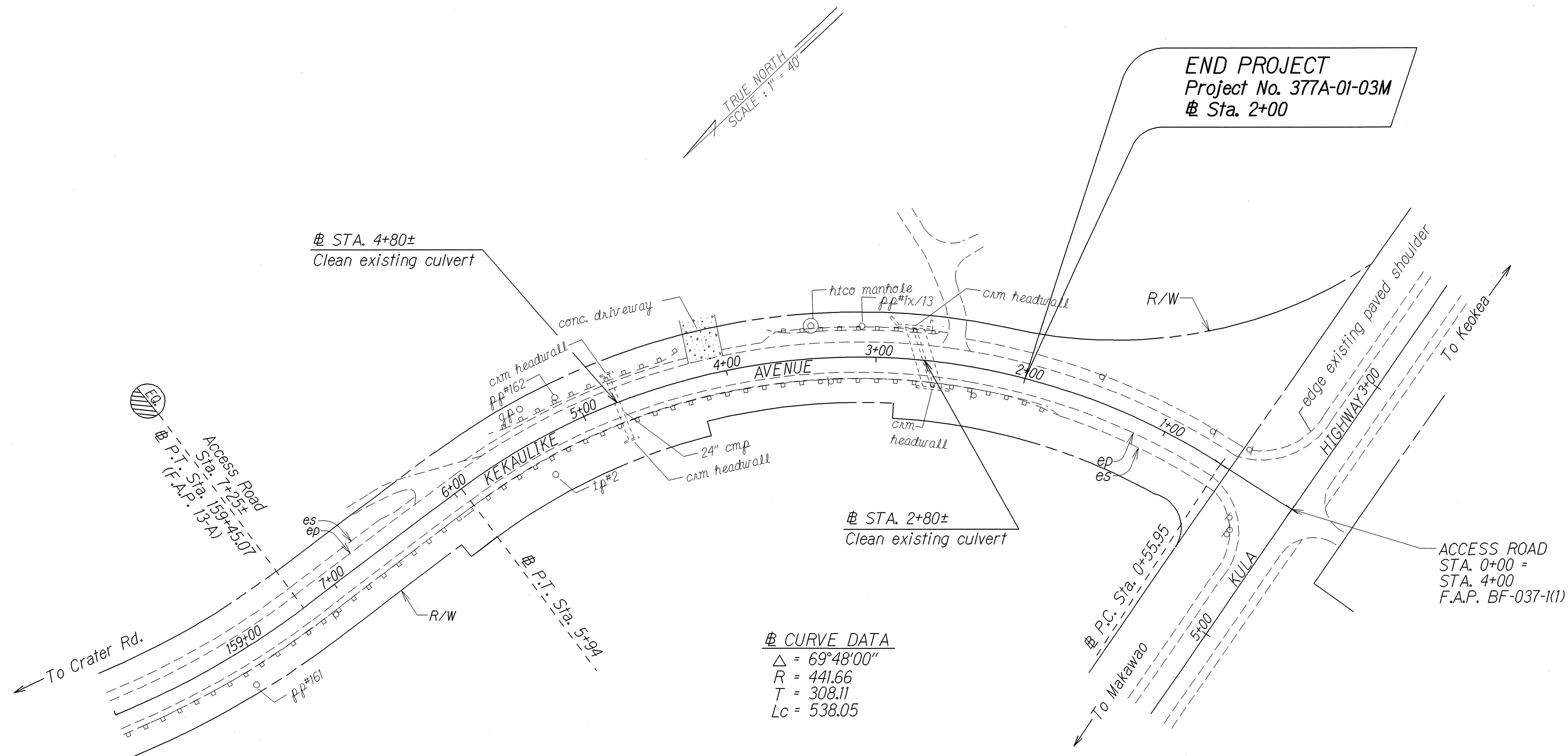
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	4/03
me3redy	TRACED BY	
SKETCHED BY	QUANTITIES BY	
	CHECKED BY	

6/16/03	Revised notes.
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLAN
SITE 6, M.P. 8.8
KEKAULIKE AVENUE REPAIRS AND
MAINTENANCE AT VARIOUS LOCATIONS
Haleakala Crater Road to Kula Highway
Project No. 377A-01-03M
Scale: 1" = 40' Date: April, 2003

SHEET No. 6 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	377A-01-03M	2003	13	16



ORIGINAL PLAN	DATE
DESIGNED BY	4/03
TRACED BY	
NOTE BOOK	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
SITE 7, M.P. 9.0

KEKAULIKE AVENUE REPAIRS AND
MAINTENANCE AT VARIOUS LOCATIONS
Haleakala Crater Road to Kula Highway
Project No. 377A-01-03M

Scale: 1" = 40' Date: April, 2003

SHEET No. 7 OF 7 SHEETS