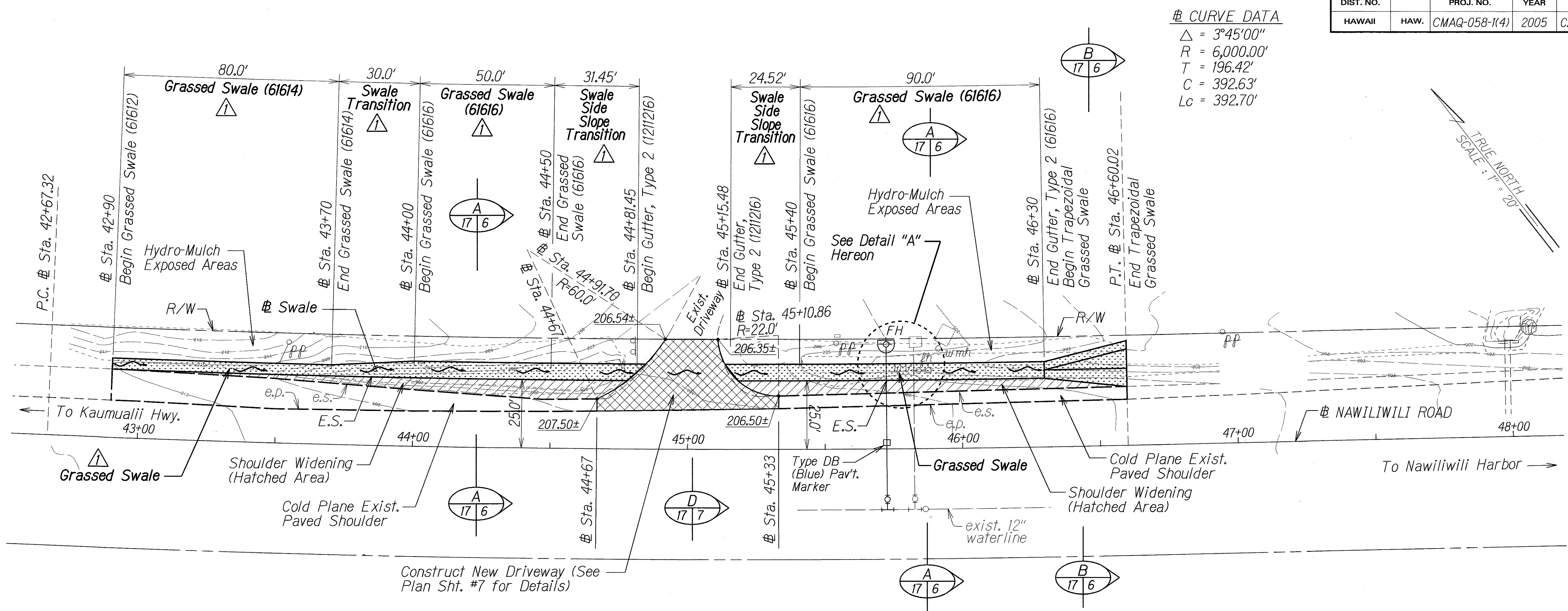
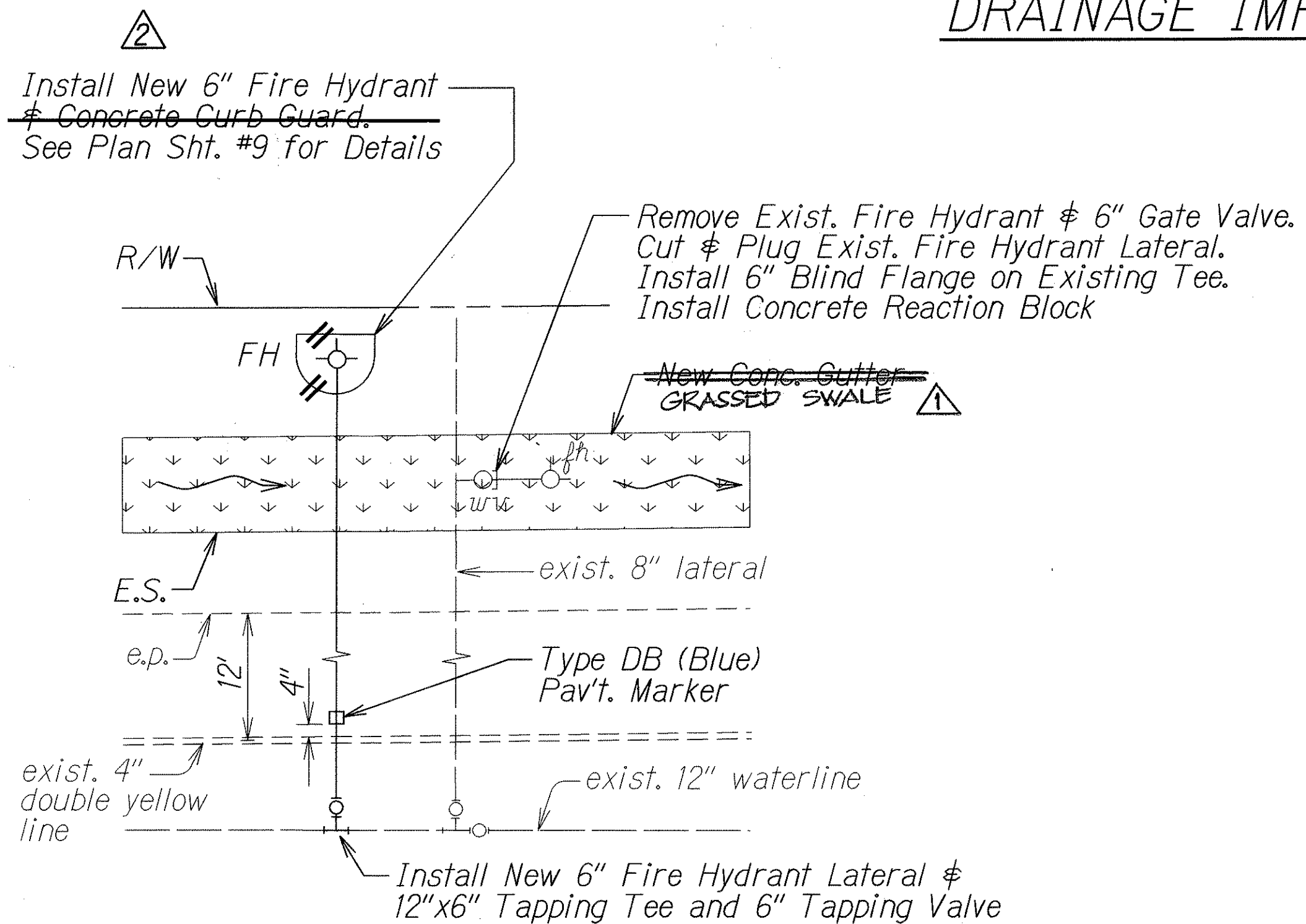


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-058-1(4)	2005	C.O. 17	23



CURVE DATA
 $\Delta = 3^\circ 45' 00''$
 $R = 6,000.00'$
 $T = 196.42'$
 $C = 392.63'$
 $L_c = 392.70'$

DRAINAGE IMPROVEMENT AND PAVEMENT CONSTRUCTION PLAN



Notes for Furnishing and Installing Fire Hydrant (Contract Item No. 624.1670):

- Removed fire hydrant and gate valve shall be delivered to the Department of Water baseyard.
- The following works, activities and/or items shall not be paid for separately but shall be considered incidental to contract Item No. 624.1670 - Fire Hydrant.
 - Removal and delivery of fire hydrant and valve to the Dept. of Water baseyard.
 - Removal and disposal of existing pipes and fittings and other appurtenances.
 - Cutting and plugging existing fire hydrant lateral, and installing blind flange and concrete reaction block.
 - Furnishing and installing new fire hydrant and valve, pipes and fittings, and all appurtenances, hydrant markers and Type DB (blue) pavement marker.
 - Installation of new concrete reaction blocks and concrete curb guard. See Plan Sht. #9 for details.
 - Trench excavation, backfilling and pavement restoration. See Plan Sht. #7 for details.
- All costs required for operating valves, flushing lines and notifying consumers affected by a water shutdown during connections shall be included in the contract price of Item No. 624.1670 - Fire Hydrant.
- New fire hydrant shall be placed into service prior to cut & plug work on existing fire hydrant.
- Dispose of all pipes, fittings and appurtenances in accordance with hazardous materials requirements.

APPROVED:

For Bruce J. Jorgensen 10/29/07
 Manager & Chief Engineer Date
 Department of Water

10/01/07	Deleted "Concrete Curb Guard" as Requested by Grove Farm Museum
	Changed "Concrete Gutter" to "Grassed Swale"
DATE	REVISION

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

DRAINAGE IMPROVEMENT AND PAVEMENT CONSTRUCTION PLAN

NAWILIWILI ROAD BIKEWAY
 Kaunualii Highway to Waapa Road
 Fed. Aid Project No. CMAQ-058-1(4)

Scale: As Shown Date: April 2005

SHEET No. 1 OF 1 SHEETS