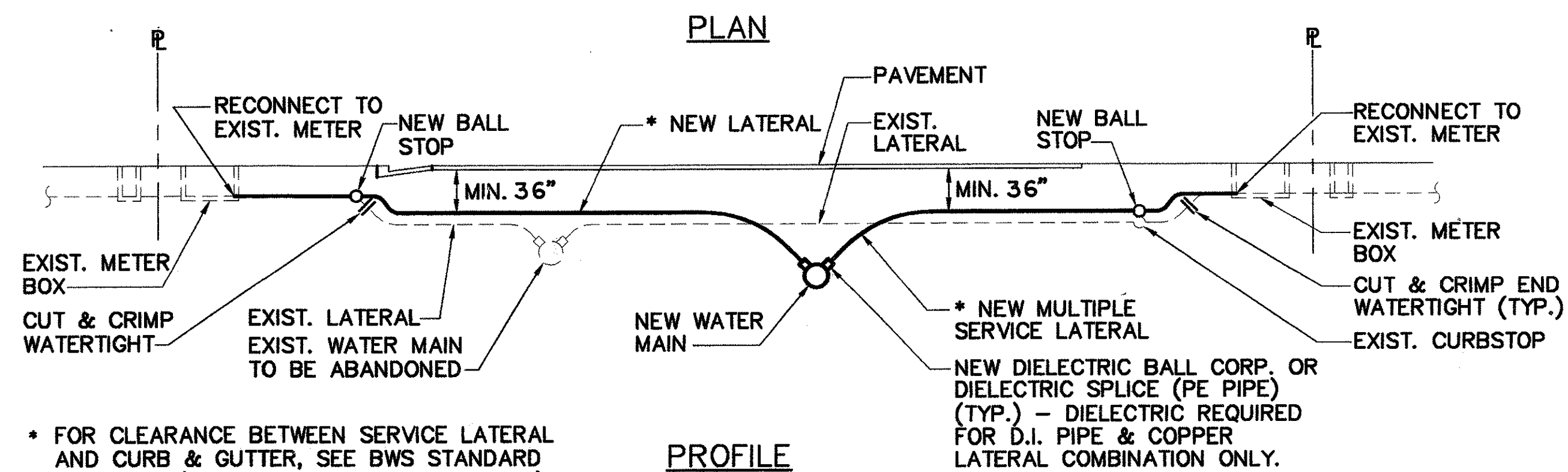
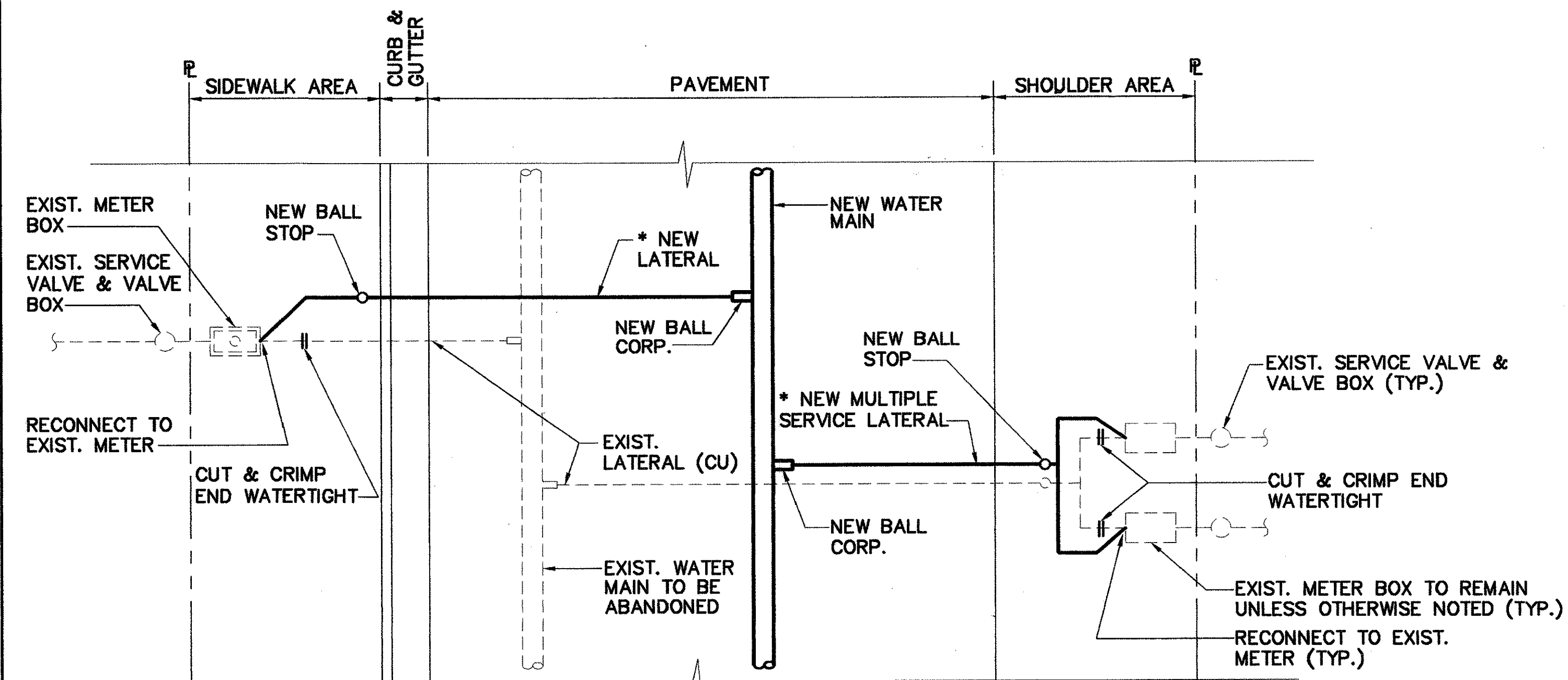


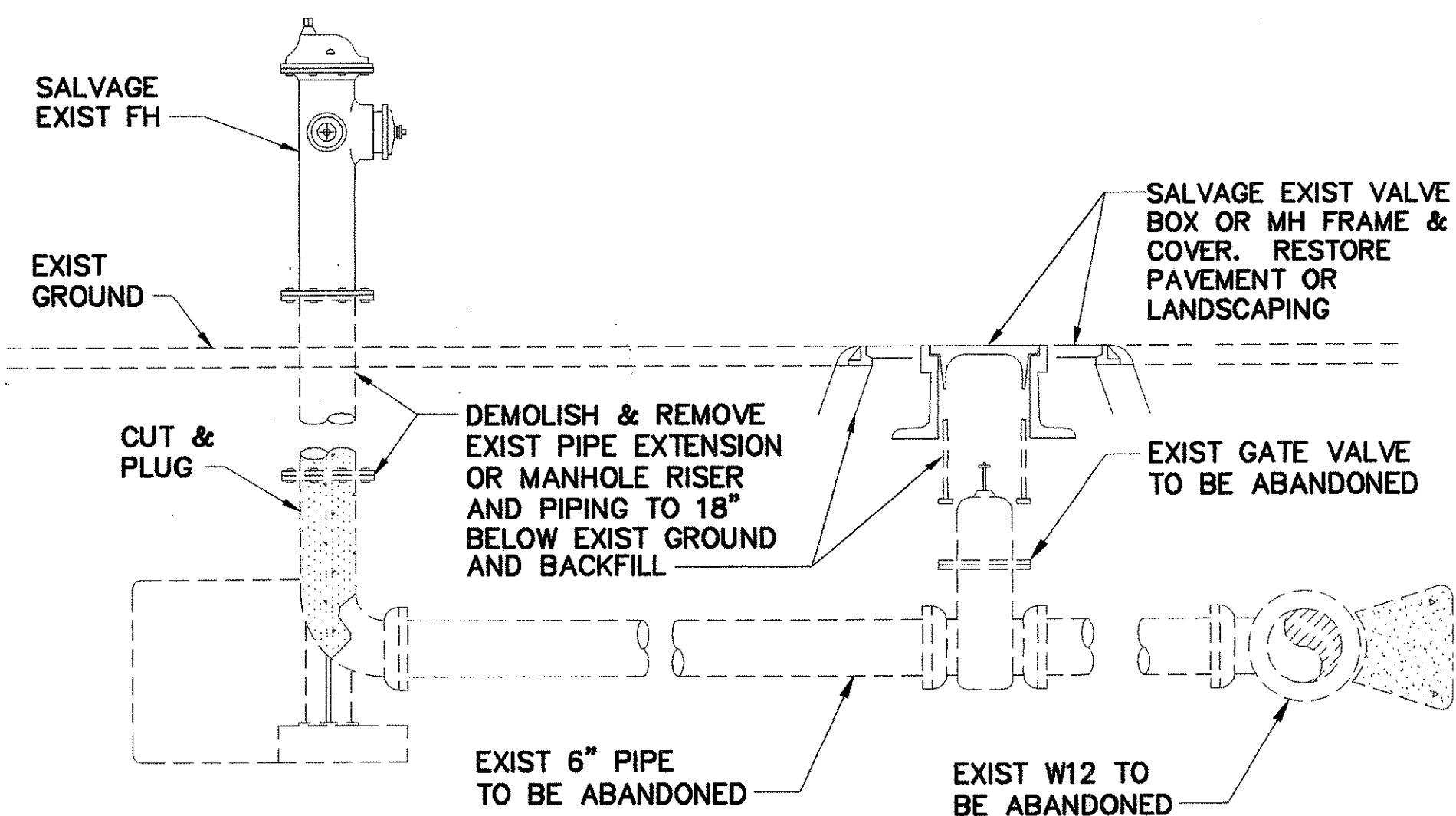
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
OAHU	HAW.	99-33	2000	86	89



* FOR CLEARANCE BETWEEN SERVICE LATERAL AND CURB & GUTTER, SEE BWS STANDARD DETAIL 91 (FOR COPPER SERVICE LATERAL) OR STANDARD DETAIL 96 (FOR PLASTIC SERVICE LATERAL)

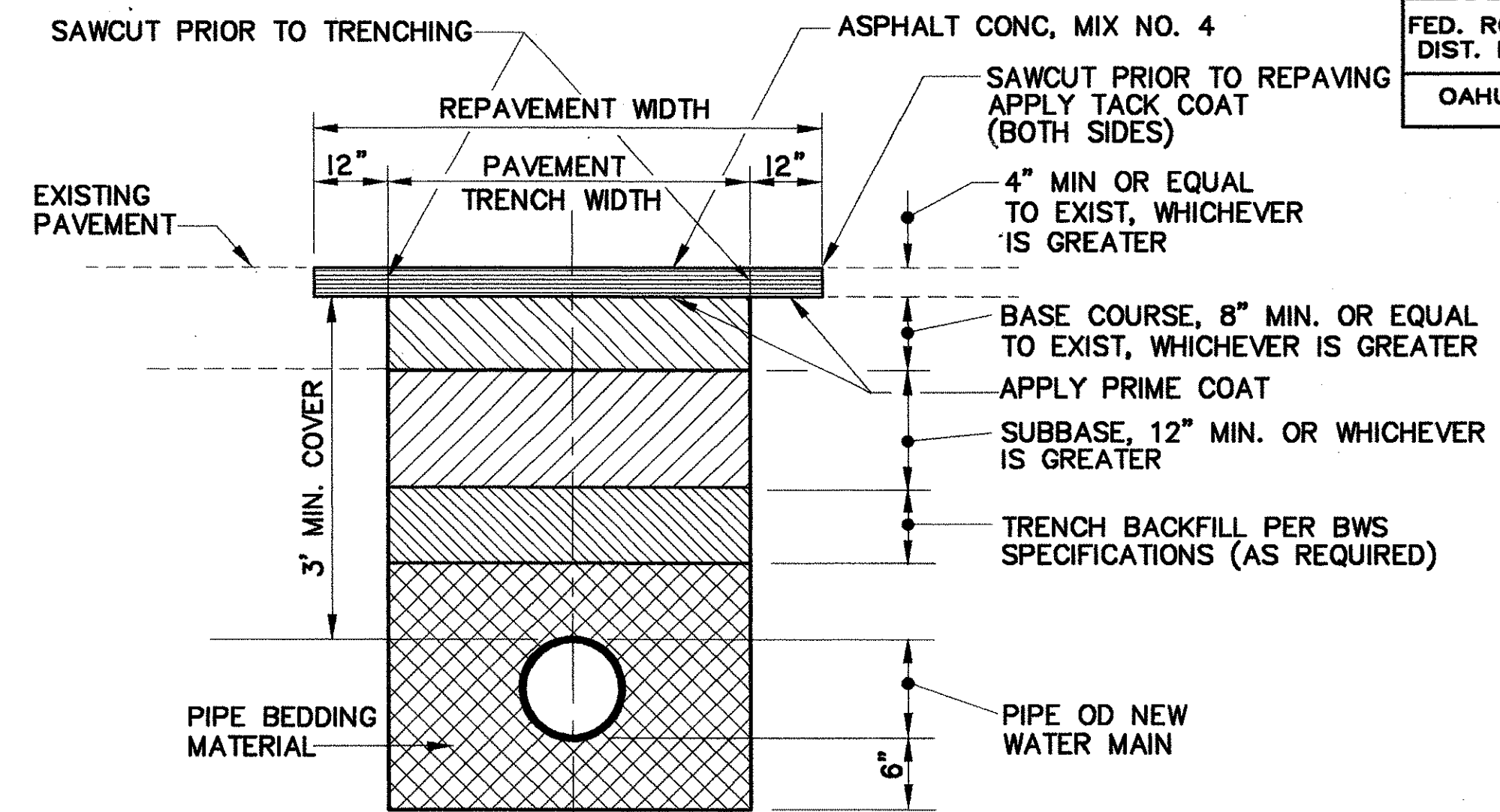
1 12 COPPER SERVICE LATERAL RECONNECTION SCHEMATIC DETAIL

NOT TO SCALE



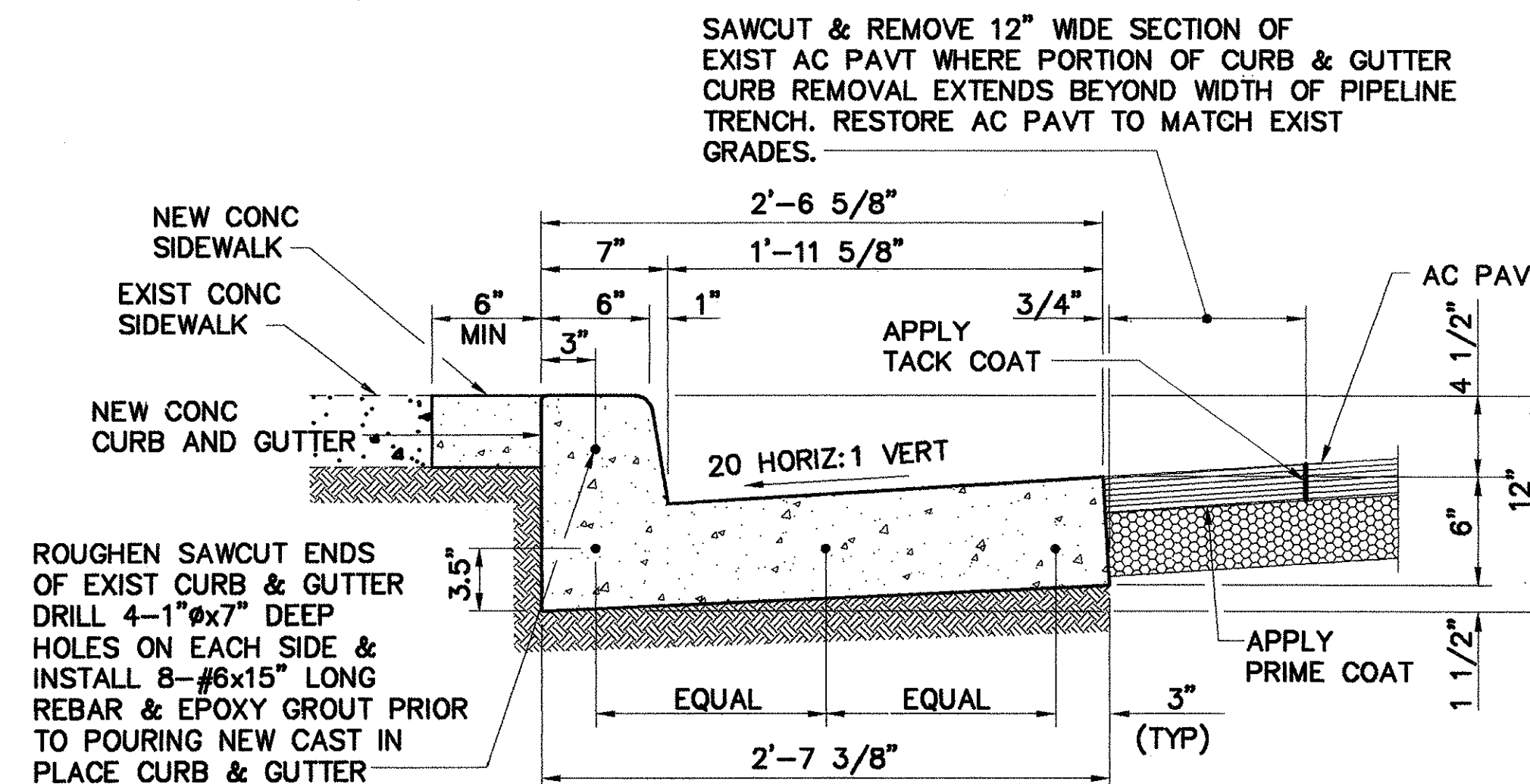
3 12 FIRE HYDRANT DEMOLITION DETAIL

SCALE: 3/4"=1'-0"



2 12 TYPICAL PAVEMENT RESTORATION DETAIL

NOT TO SCALE



4 12 CURB, GUTTER AND SIDEWALK RESTORATION DETAIL

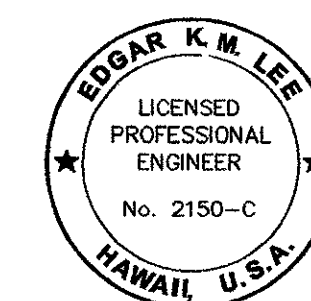
SCALE: 1 1/2"=1'-0"

APPROVED:

Michael F. Lee
CHIEF, PLANNING AND ENGINEERING DIVISION
BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU

7/13/99
DATE

ENGINEERING DESIGN GROUP
1525 YOUNG STREET
HONOLULU, HAWAII 96826



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
MISCELLANEOUS DETAILS
KALANIANA'OLE HIGHWAY
8-INCH WATER MAIN
AINAKOA AVENUE TO LAUKAHI STREET
JOB 99-33

Scale: As Shown Date: May 1999

SHEET No. 12 OF 12 SHEETS