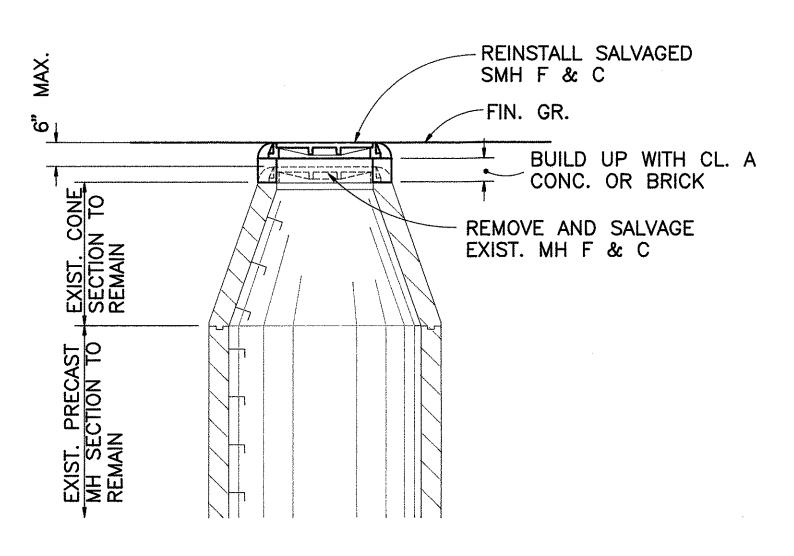
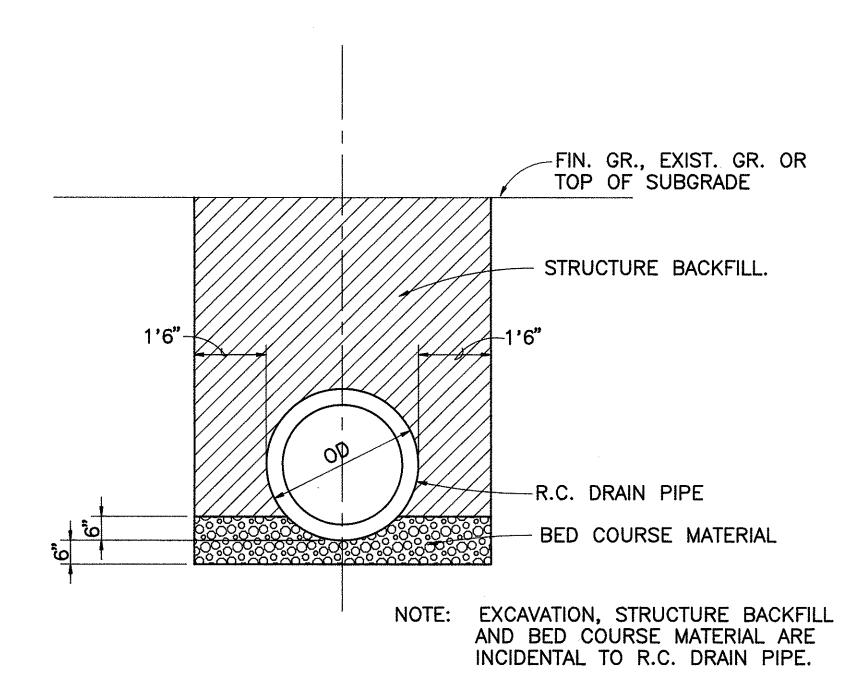


RAISING SEWER MANHOLE DETAIL 5,7



GRADE ADJUSTMENT FOR B
SEWER MANHOLE DETAIL 5,7 12
SCALE "1/2"



TYPICAL DRAIN LINE TRENCH DETAIL

NOT TO SCALE

FIN. GR. OR TOP OF SUBGRADE

STRUCTURE BACKFILL.

V.C. PIPE

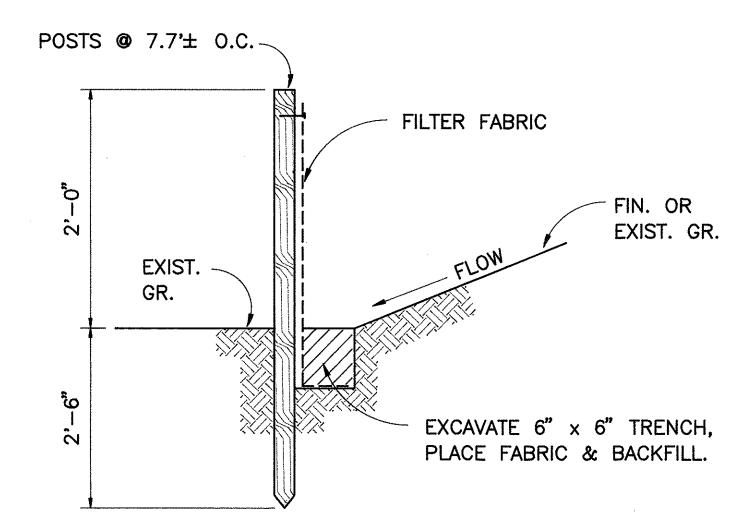
#67 BED COURSE MATERIAL

NOTE: EXCAVATION, STRUCTURE BACKFILL AND BED COURSE MATERIAL ARE INCIDENTAL TO V.C. SEWER PIPE.

FED. ROAD STATE PROJ. NO. FISCAL SHEET TOTAL YEAR NO. SHEETS

TYPICAL SEWER TRENCH DETAIL

NOT TO SCALE

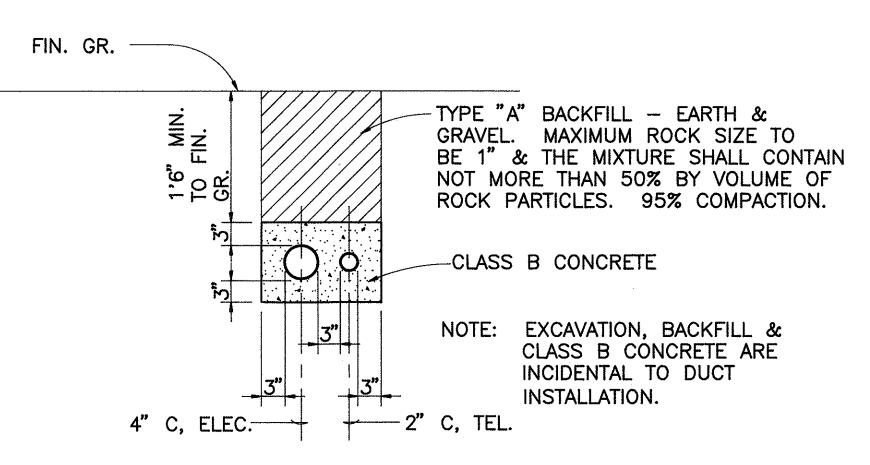


NOTES:

- 1. SEDIMENT CONTROL FENCE SHALL BE "ENVIROFENCE" SEDIMENT CONTROL SYSTEM AS MANUFACTURED BY MIRAFI, INC. OR APPROVED EQUAL. INSTALLATION OF SEDIMENT CONTROL FENCE SHALL BE DONE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- 2. SEDIMENT CONTROL FENCE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO TEMPORARY POLLUTION CONTROL.

SEDIMENT CONTROL FENCE

NOT TO SCALE



TYPICAL CONCRETE ENCASED

DUCT SECTION

NOT TO SCALE

TOP OF MARKER SHALL BE
FLUSH WITH FIN. GR.

2" HIGH LETTER INSCRIBED
ON CONC. BLOCK, 1/2" DEEP

"E" = ELECTRIC
"T" = TELEPHONE
"C" = CONTROLS

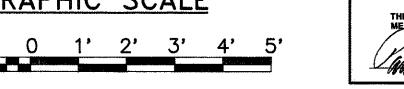
NOTE:

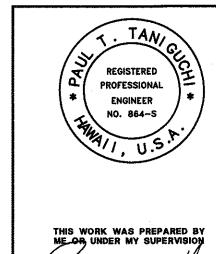
USE 1 LB. COFFEE
CAN FOR FORMING
CONC. MARKER.
REMOVE CAN PRIOR

TO INSTALLATION

CONC. MARKER FOR DUCT
STUB OUT
NOT TO SCALE

GRAPHIC SCALE





STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE, SEWER & ELECTRIC DETAILS

KANEOHE BASE YARD, PHASE I GRADING, PAVING AND INSTALLATION OF UTILITIES PROJECT NO. HWY-0-06-91

SCALE: AS NOTED DATE: 4/15/91

SHEET NO. 12 OF 12 SHEETS

SCALE "1/2

ONTROL.

TROL FENCE