

#4@5 1/2" cl. stirrups #4@8" 1 1/2" cl.

TABLE: GRATED DROP INLET "C" BARS DEPTH "H" #4 @ 10" 0'-0" to 5'-0" 5'-1" to 10'-0" #5 @ 9" 10'-1" to 15'-0" #5 @ 6"

SECTION OF BEAM REINFORCING

GENERAL NOTE

- * For Minimum size box, eliminate beam and use typical wall and wall reinforcing shown in the top portion.
- ** For Culverts larger than 30", the minimum dimension shall be D'.
- *** For details of Type 2012012P steel frame and grate, see Standard Plan H—13 on Sheet 37. The cross slopes along the frame shall be 20:1 in lieu of 2:1 & 6:1.

STANDARD PLAN H-11

Finish Grade —

TYPICAL DETAIL OF TYPE 2012014P GRATED DROP INLET

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

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STATE OF HAWAII **DEPARTMENT OF TRANSPORTATION** HIGHWAYS DIVISION DRAINAGE DETAILS-2

TRAFFIC OPERATIONAL IMPROVEMENTS

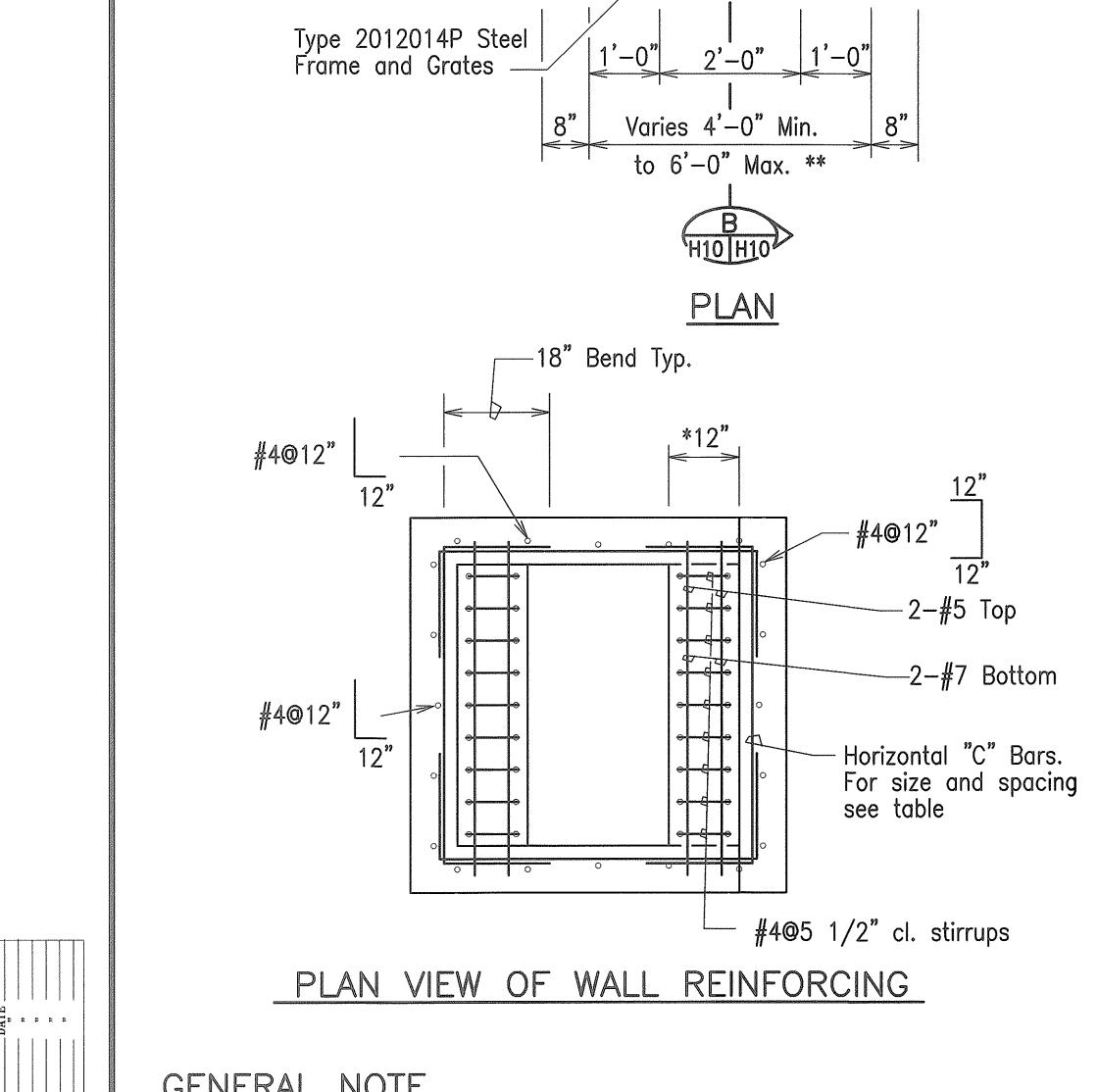
AT VARIOUS LOCATIONS

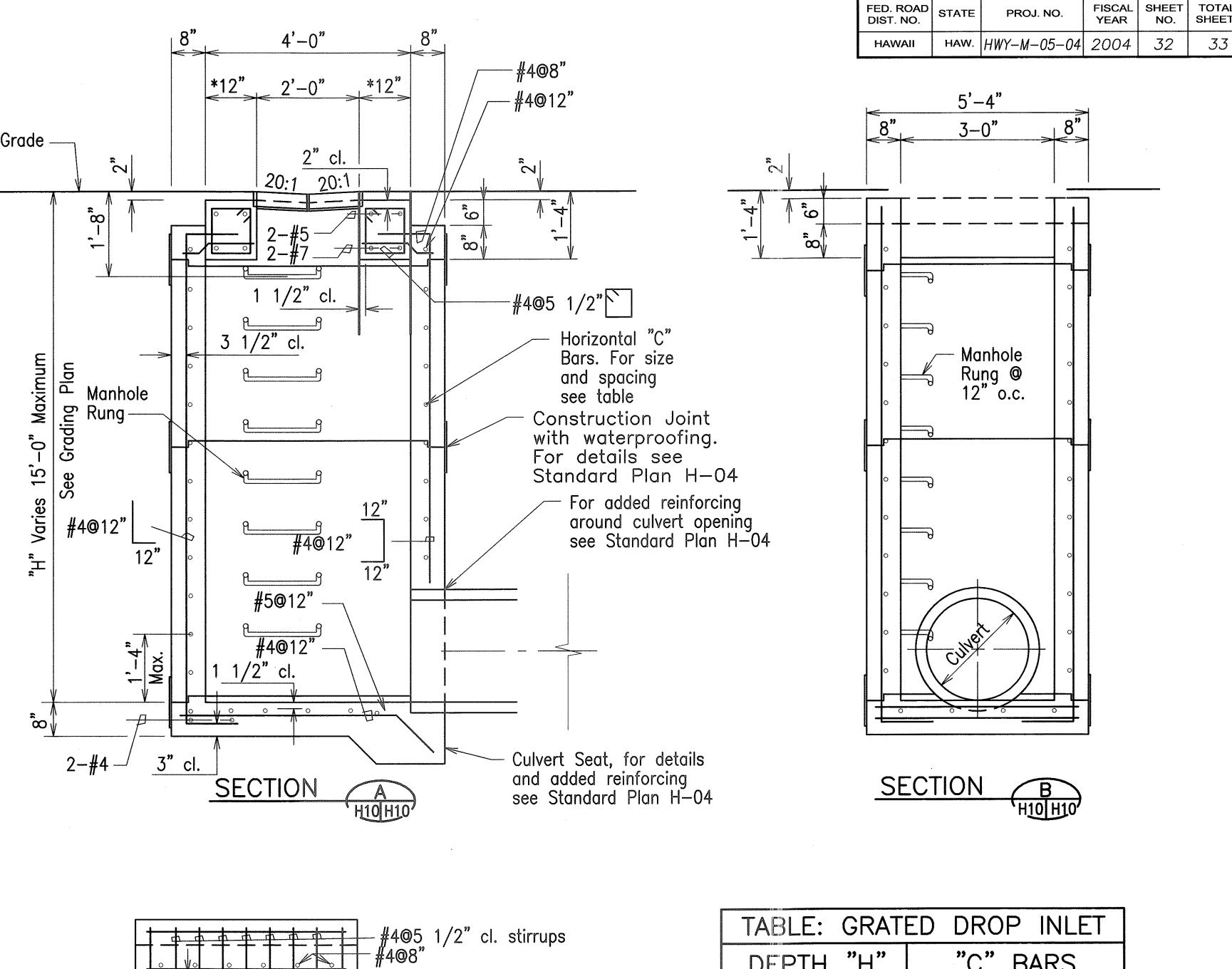
KAHULUI BEACH ROAD

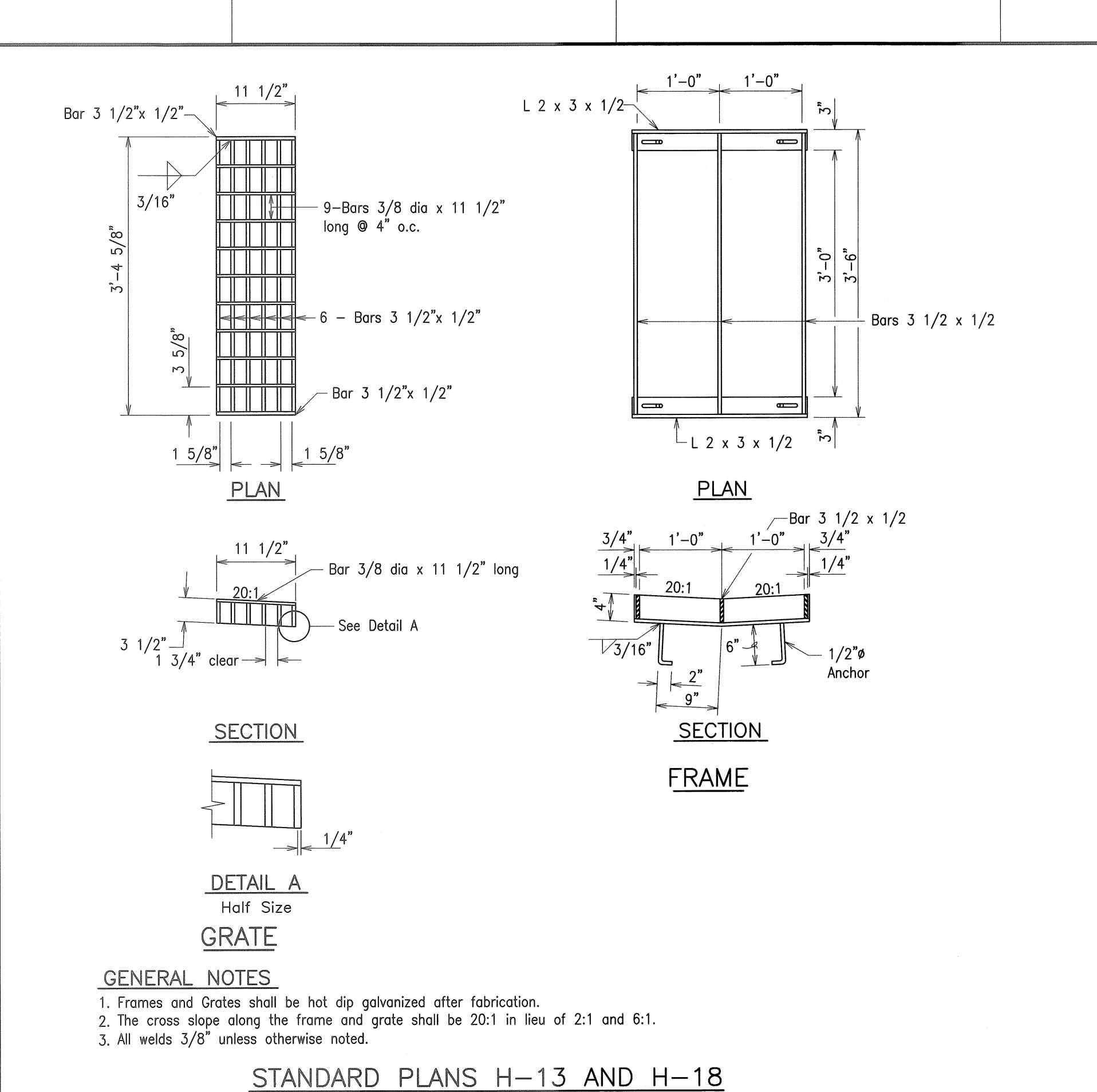
AT SMALL BOAT HARBOR ROAD Project No. HWY-M-05-04

Scale: AS NOTED Date: May 2004 SHEET No. 2 OF 3 SHEETS

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TYPICAL DETAIL OF TYPE 2012012P STEEL FRAME AND GRATE

Scale: $1 \frac{1}{2} = 1' - 0''$

FISCAL SHEET YEAR NO. FED. ROAD DIST. NO. PROJ. NO. HAW. HWY-M-05-04 2004 33

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DRAINAGE DETAILS-3

TRAFFIC OPERATIONAL IMPROVEMENTS

AT VARIOUS LOCATIONS

KAHULUI BEACH ROAD

AT SMALL BOAT HARBOR ROAD

Project No. HWY-M-05-04 Date: May 2004 Scale: AS NOTED

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SHEET No. 3 OF 3 SHEETS