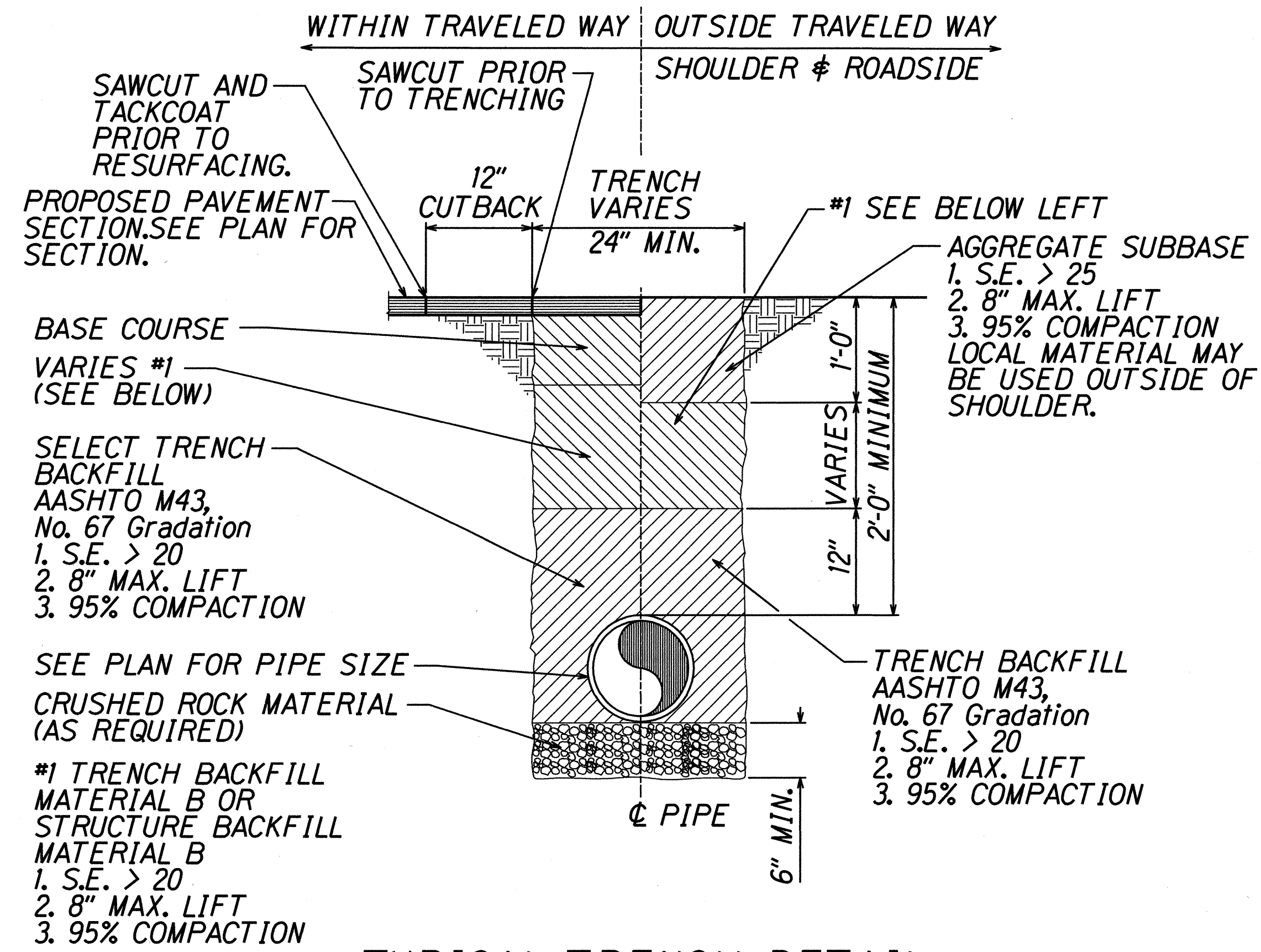
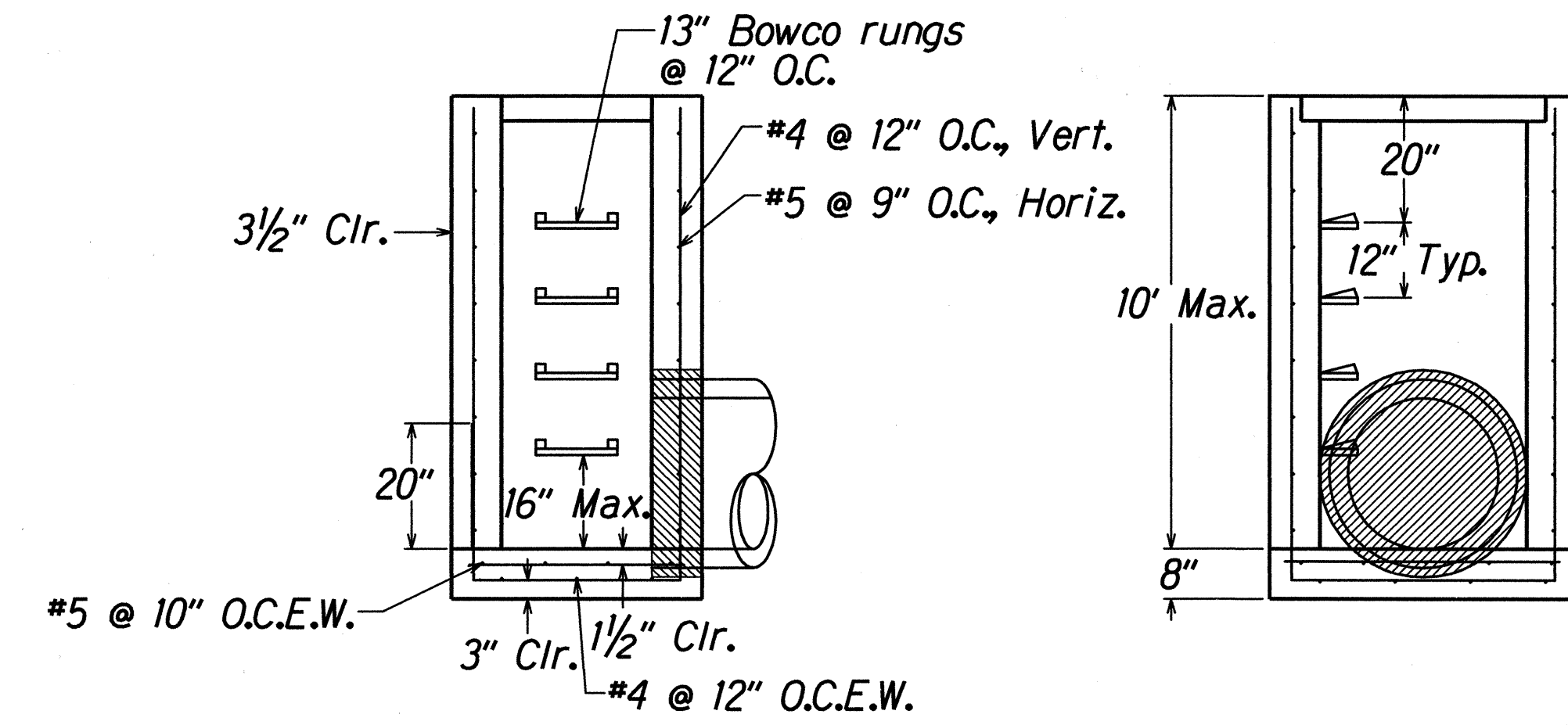


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	360AB-01-00M	2001	37	42

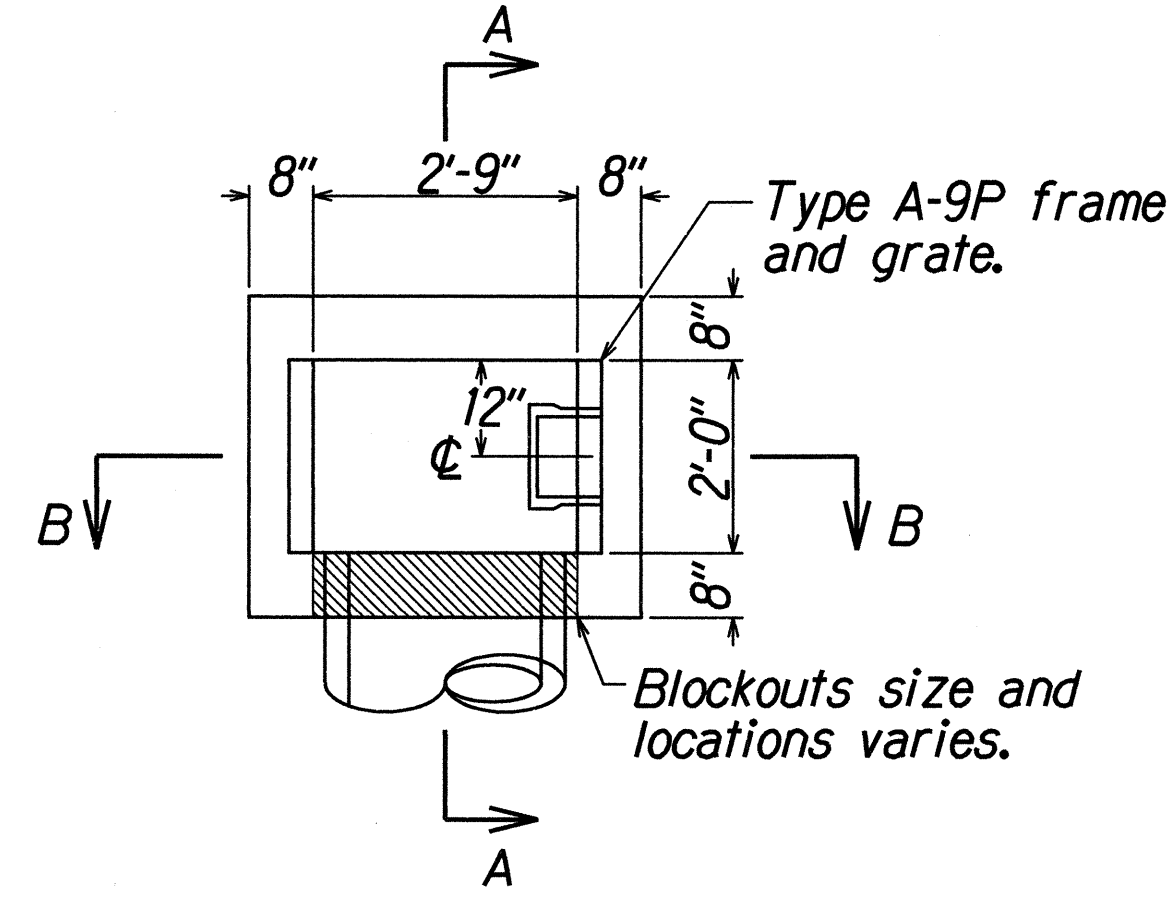


TYPICAL TRENCH DETAIL



SECTION A

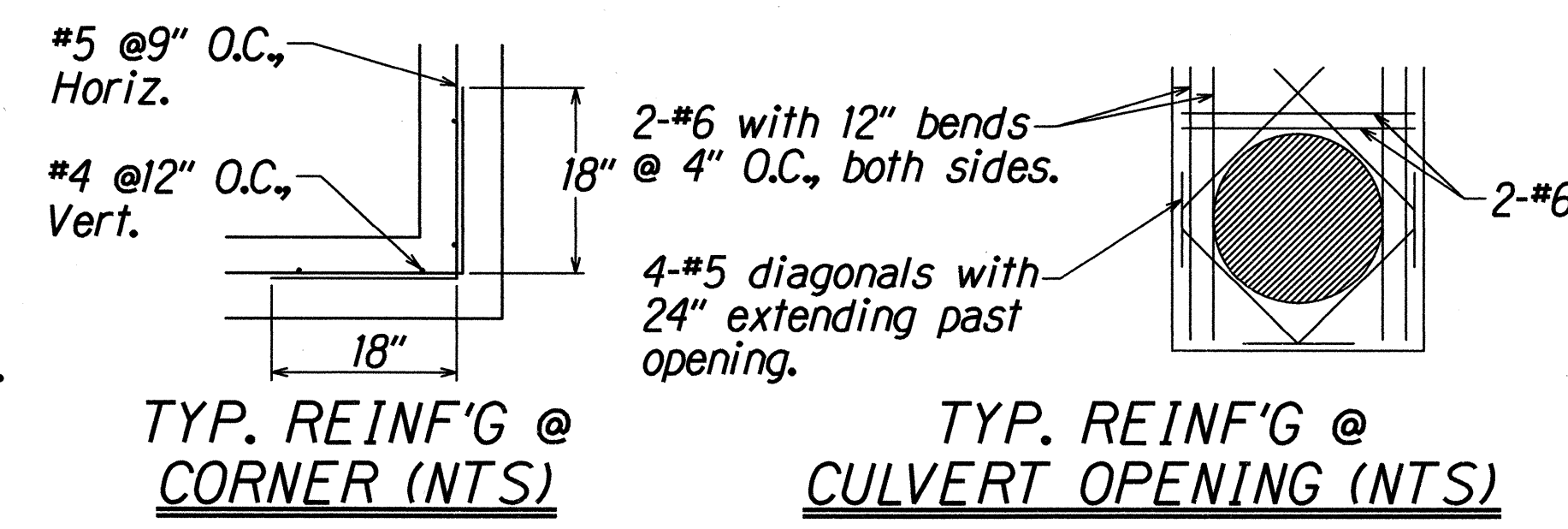
SECTION B



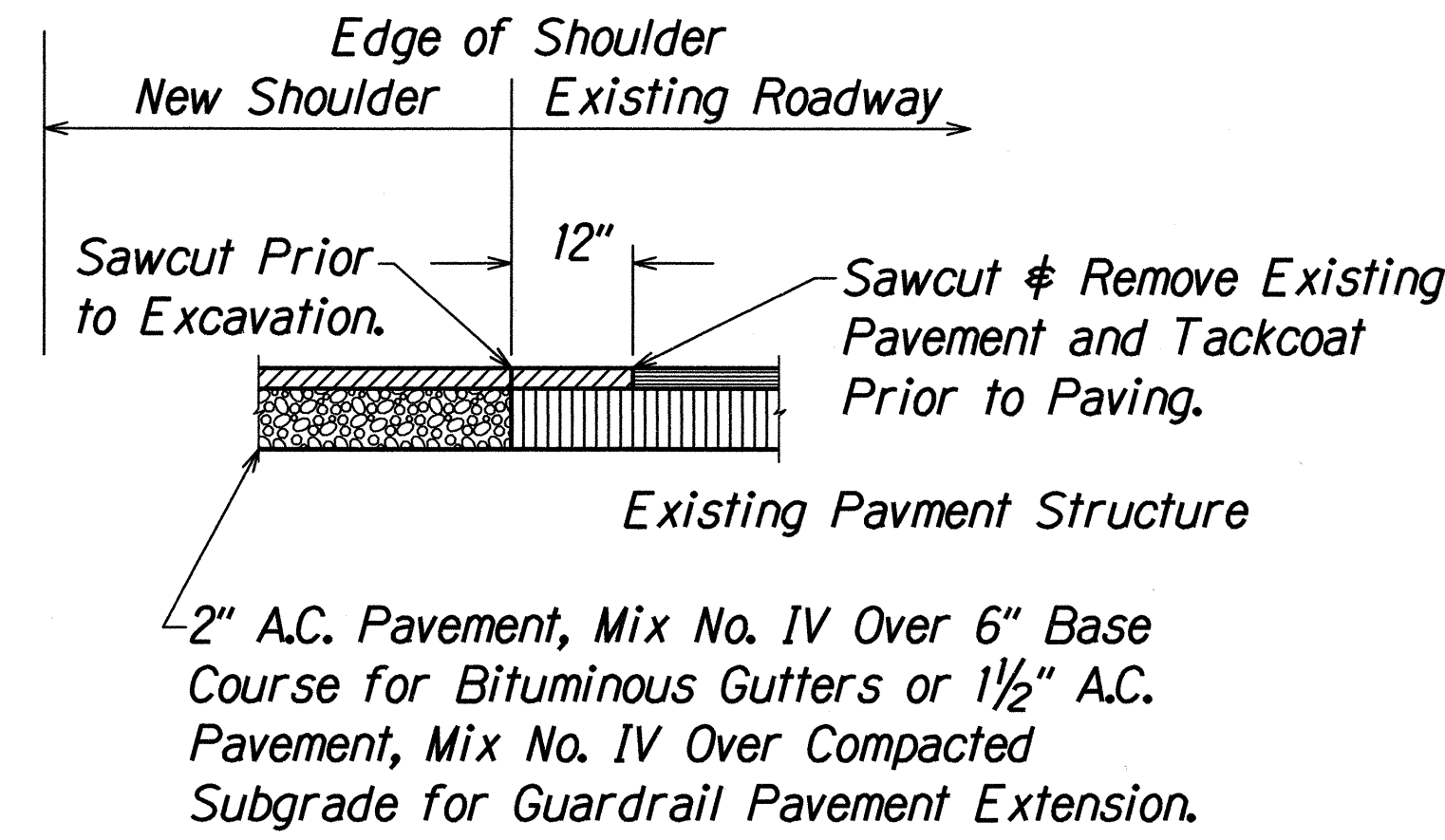
PLAN VIEW

NOTES:

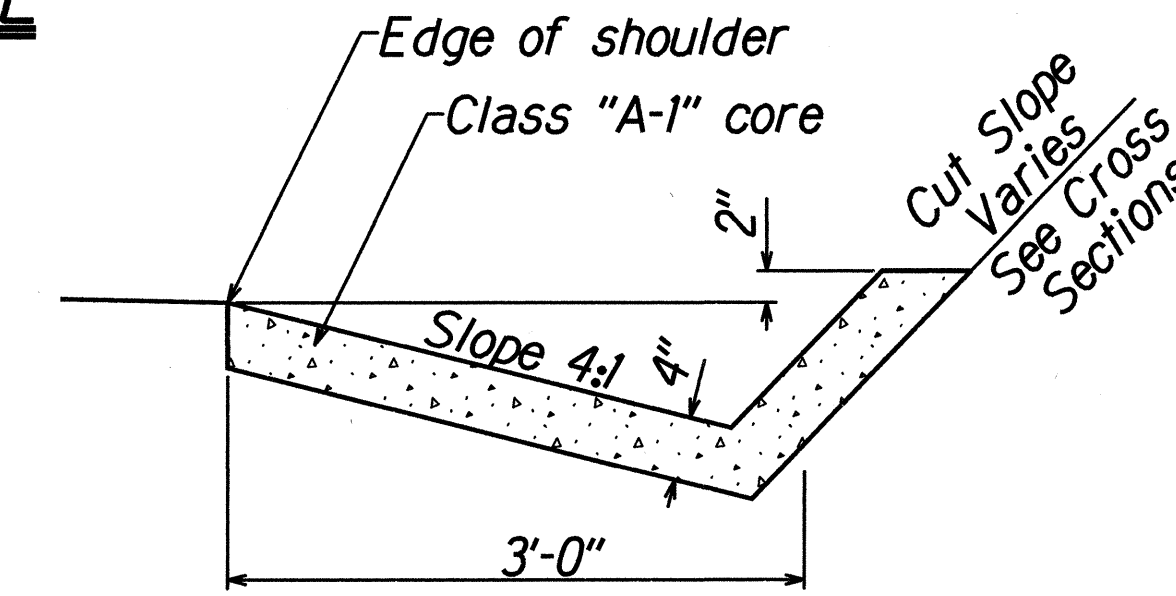
- Concrete shall have a compressive strength of 4,000 p.s.i. at 28 days.
- All reinforcing steel shall be new stock deformed bars conforming to astm A706W grade 60 unless otherwise noted. Placement of rebars shall be in accordance with ACI-315 & ACI-318. All bars shall be clean of rust, grease or other materials likely to impair bond. All bends shall be made cold.
- All reinforcing bars shall be accurately & securely placed. All reinforcing shall be lapped 30 bar diameters or eighteen (18) inches, whichever is greater at splices. All splices shall be made away from point of maximum stress.
- Concrete cover to reinforcing steel shall be 1-1/2" minimum.



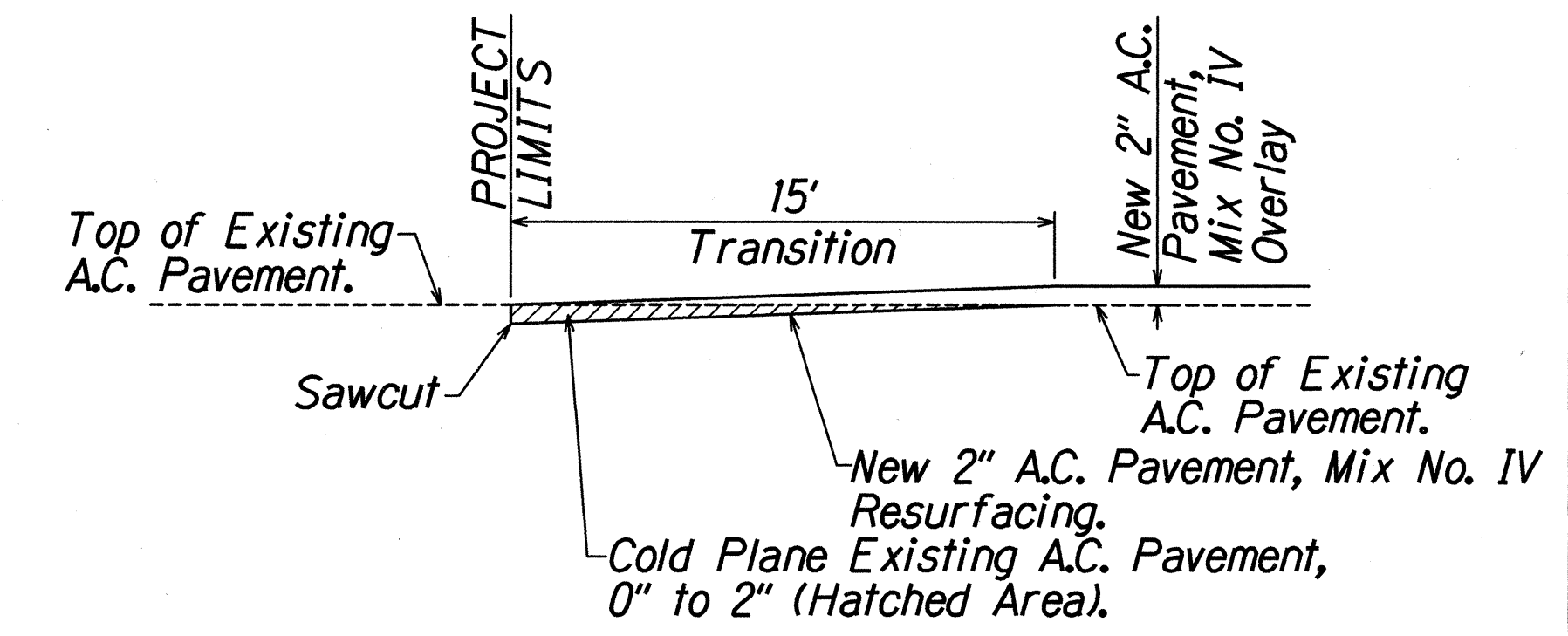
TYPE A-9 GRATED DROP INLET



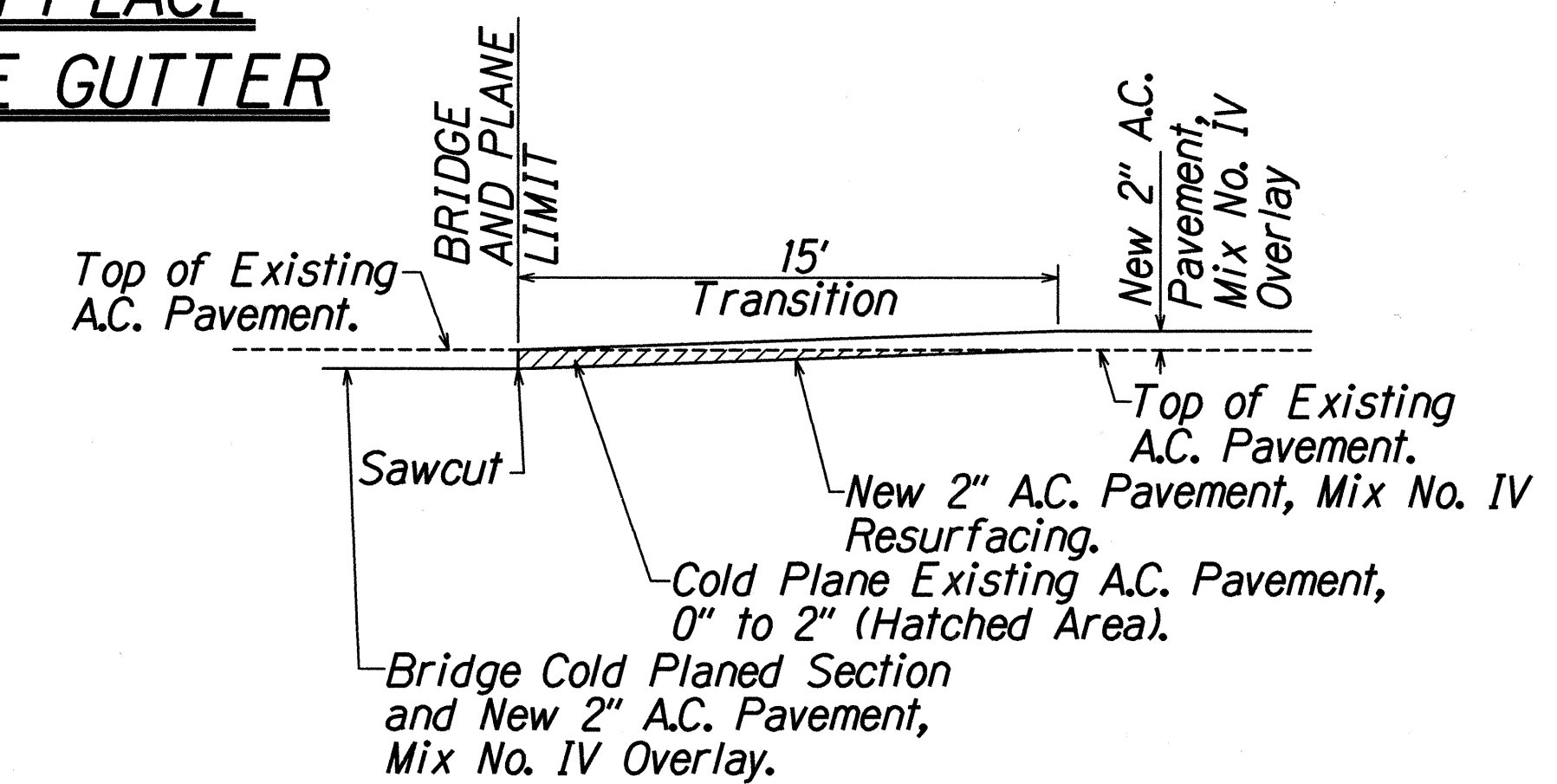
SAWCUT DETAIL



DETAIL OF TYPE "H" CAST-IN-PLACE CONCRETE GUTTER



COLD PLANED TRANSITION TO EXISTING A.C. PAVEMENT DETAIL BEGIN AND END OF PROJECT



COLD PLANED TRANSITION TO NEW A.C. PAVEMENT DETAIL BEGIN AND END OF BRIDGE PAVEMENT SECTION



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

Corey H. Kogawa

DATE: 5/2/01

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS DETAILS

HANA HIGHWAY
REPAIRS AND MAINTENANCE
PROJECT NO. 360AB-01-00M

Scale: NTS Date: March, 2001

SHEET No. 1 OF 1 SHEETS