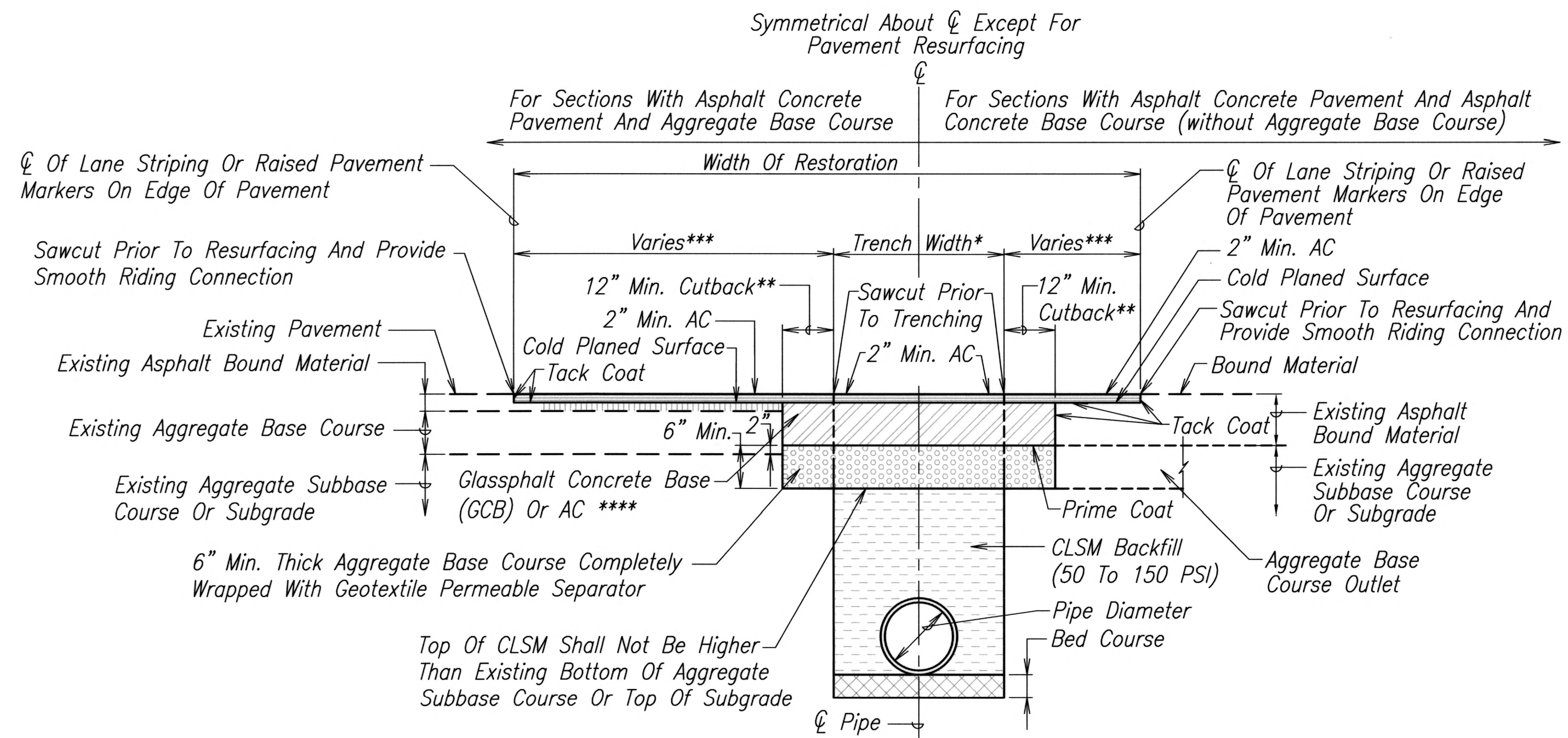


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-0380(10)	2013	82	166



* Per Spec. Section 603

** Remove and reconstruct AC pavement to edge of gutter if less than 2' from edge of trench to edge of gutter

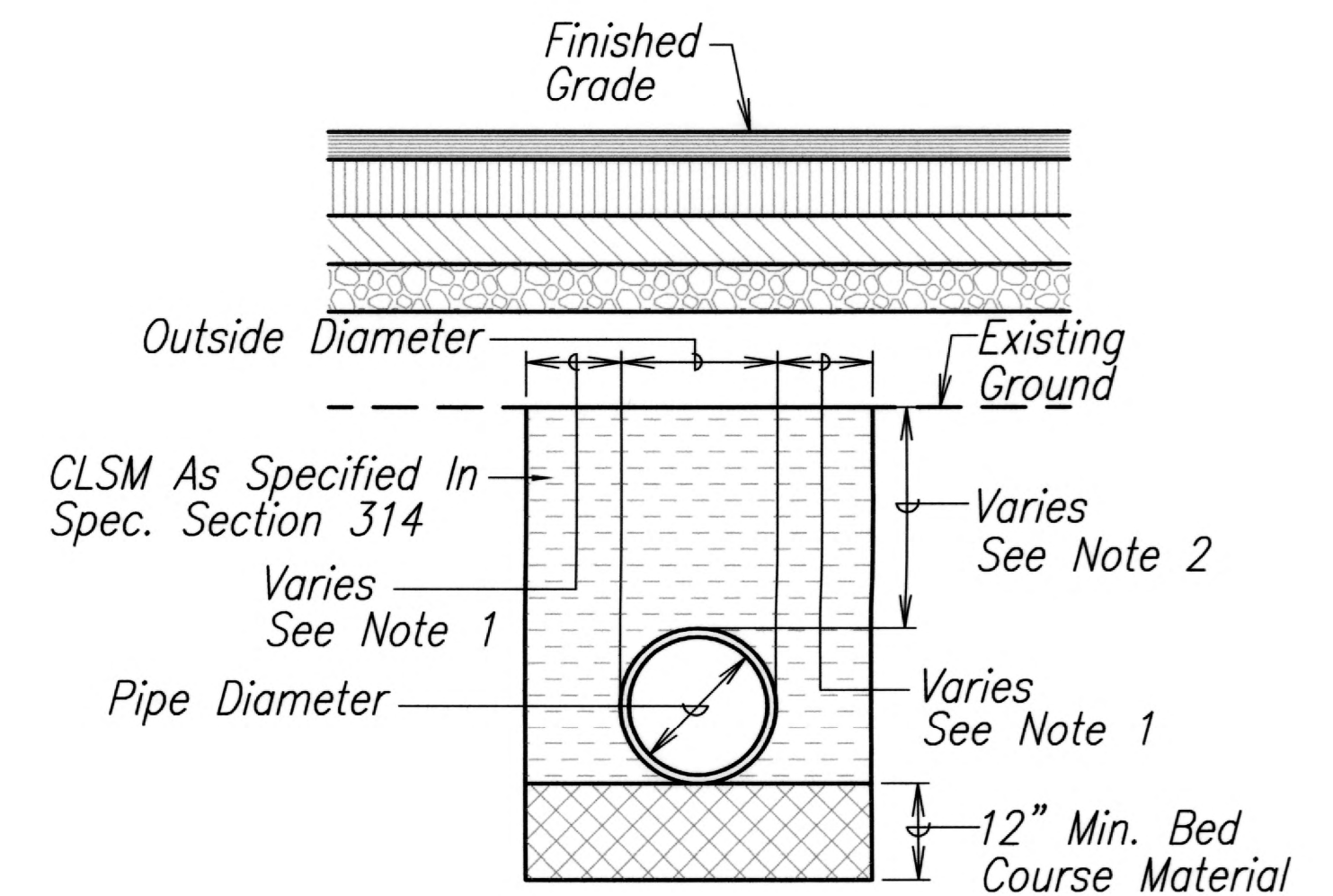
- *** 1. If trench aligned transverse to direction of travel: 1 foot on each side of trench
2. If trench aligned along direction of travel: to edge of lane in which edge of trench is located
3. Smoothness of paved surfaces: the distance from the paved surface to the testing edge of a ten-foot straight edge between the two points of contact shall not exceed 3/16"
4. If transverse aligned trench is less than 30 feet apart, the entire area between the trenches shall be repaved.

- **** 1. When thickness less than 6", use AC.
2. When thickness 6" or greater, use GCB or AC.

Notes:

1. This trench restoration is to be used wherever the pavement is an asphalt surface, including medians and paved areas between guardrails. For trenches located in unpaved areas, the backfill need not be CLSM and can be backfilled as specified in the standard specifications.
2. Tack coat existing asphalt bound material faces prior to filling excavation with asphalt bound material.
3. Pavement structure shall be equal or better than existing in thickness and quality.
4. CLSM = controlled low strength material as specified in Spec. Section 314.

TYPICAL ASPHALT PAVEMENT RESTORATION OVER DRAIN LINE TRENCH EXCAVATIONS WITHIN STATE ROW
NOT TO SCALE



Notes:

1. For trenches located in unpaved areas, the backfill need not be CLSM and shall be excavated and backfilled as specified in the spec. section 206.
2. When using CLSM for trench backfill, the contractor may reduce the width of the excavation so that the clear distance between the outside of the pipe and the side of the excavation on each side of the pipe is a minimum of 6 inches for pipes less than or equal to 42 inches in diameter or span.
3. Place CLSM only for that portion of the trench backfill below the original ground, the grading plane, or top of embankment placed before excavating for the culvert pipe. Where necessary, compact the earth plugs at each end of the pipe before placing backfill so that the CLSM is completely contained in the pipe trench.

TYPICAL DRAIN LINE TRENCH RESTORATION DETAIL
NOT TO SCALE



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.
[Signature]
FURUNAGA & ASSOCIATES, INC. APRIL 30, 2014
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS DETAILS

KAHULUI AIRPORT
ACCESS ROAD, PHASE I
Federal Aid Project No. NH-0380(10)
Scale: As Shown Date: February 2013

SHEET No. C-69 OF 93 SHEETS

