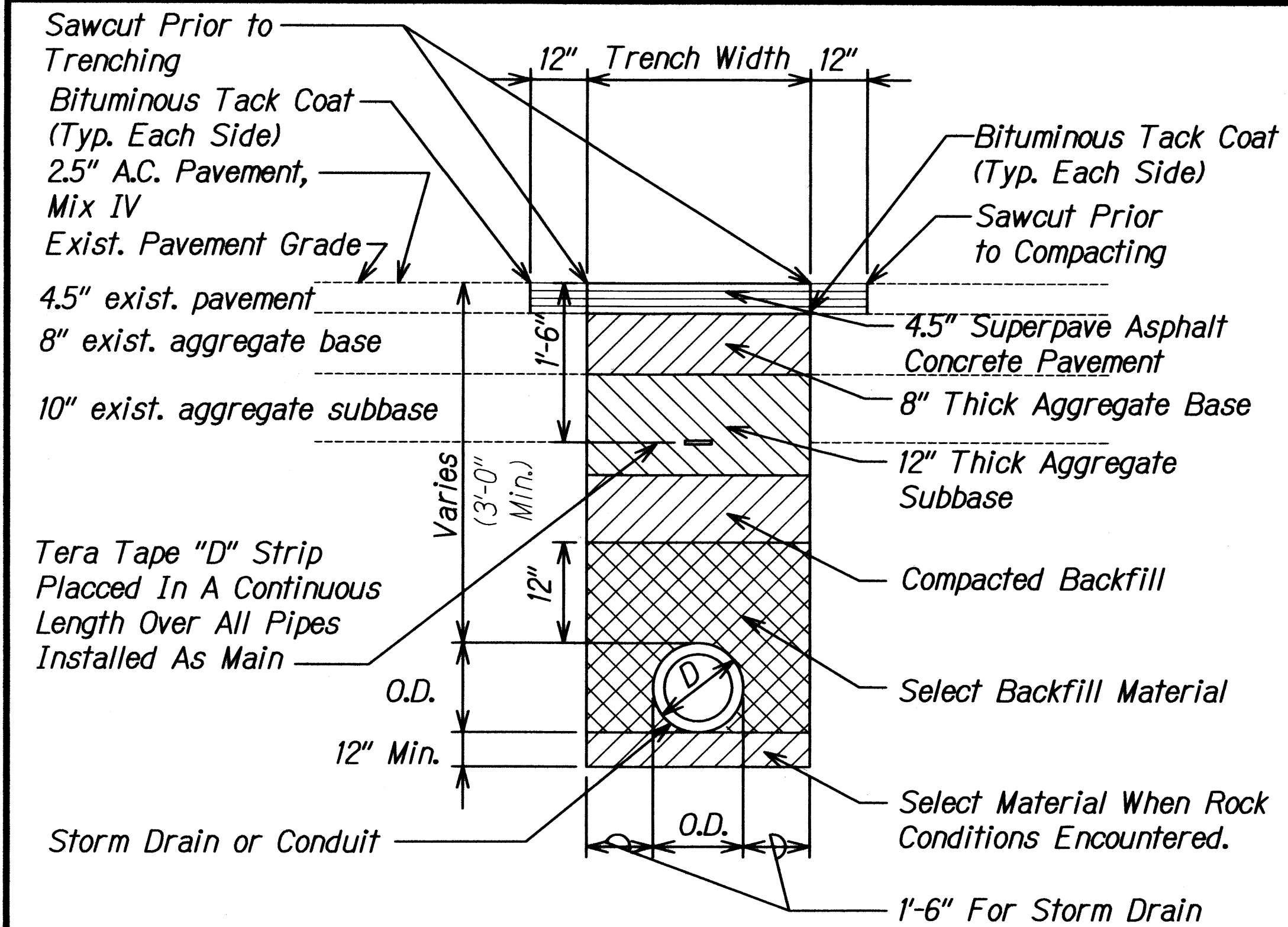
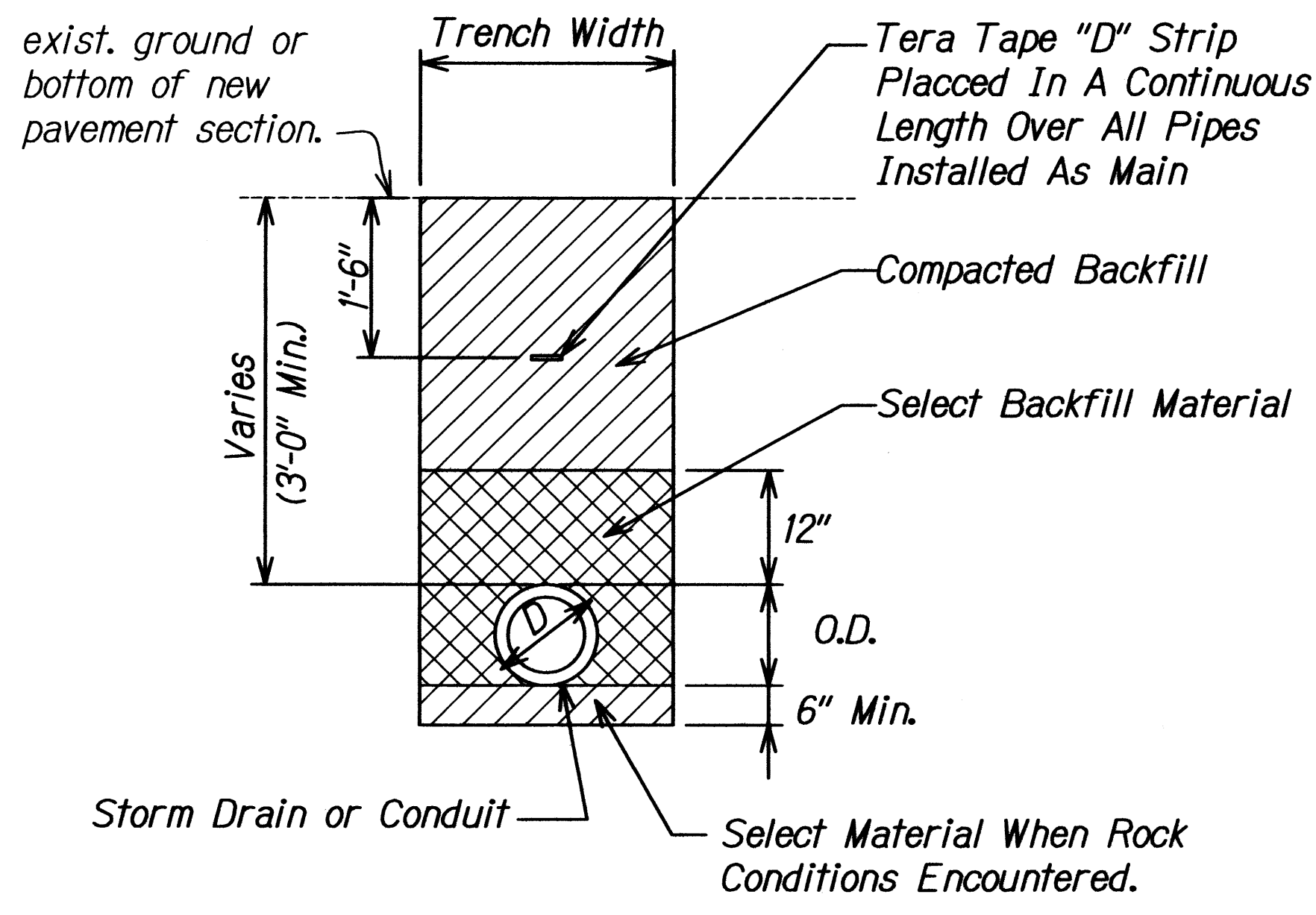


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-056-1(54)	2010	20	48



EXISTING PAVEMENT AREAS



UNPAVED AREAS

UTILITY TRENCH DETAILS

Not To Scale

TRENCH NOTES

1. Subbase under curb & gutter shall match existing thickness and quality.
2. Pavement structure shall be equal or better than existing in thickness and quality.
3. When groundwater is encountered in trenches, backfill with gravel conforming to ASTM C-33, size 67, encapsulated with permeable separator.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
DESIGNED BY	DESIGNED BY	
CHECKED BY	CHECKED BY	

James E. Turturici
Professional Engineer
No. 8189-C
Hawaii, U.S.A.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

UTILITY TRENCH DETAILS

KUHIO HIGHWAY
Intersection Improvements
at Kapule Highway
Federal Aid Project No. HSIP-056-1(54)

Date: August 2010