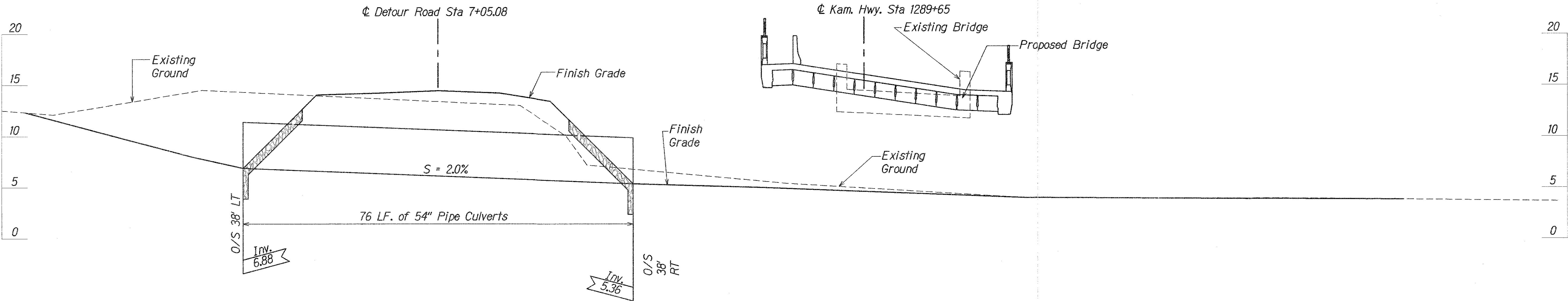
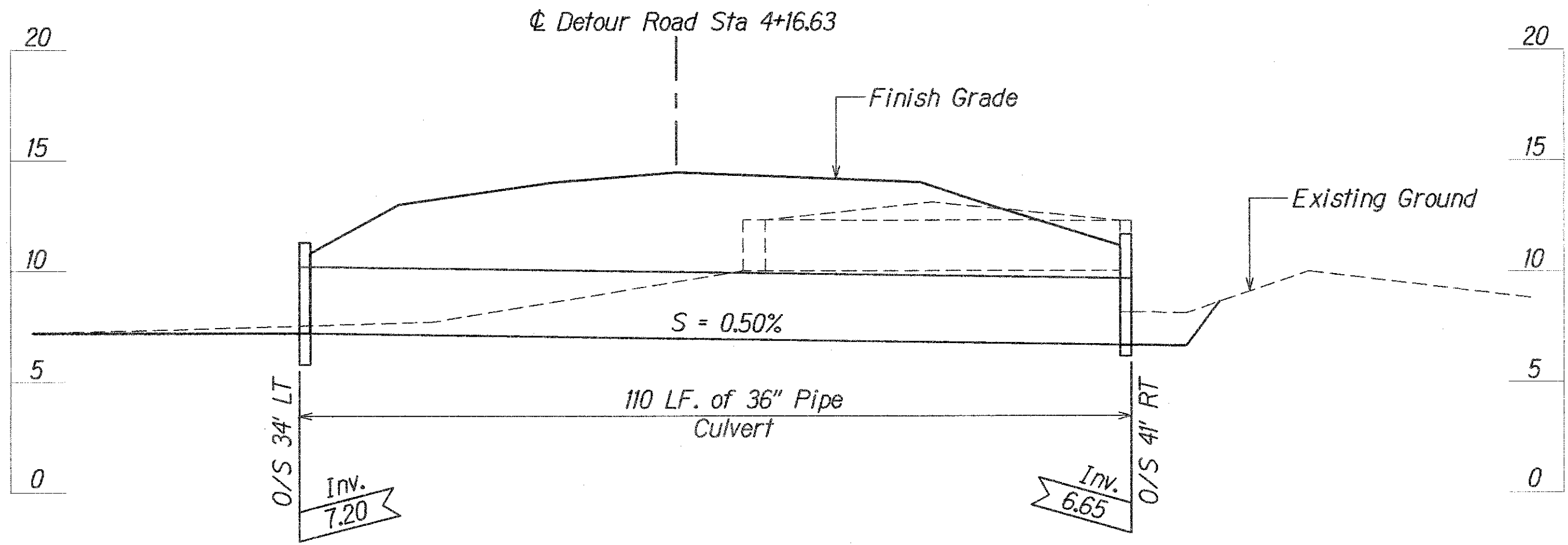


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	BR-083-1(50)	2005	22	81



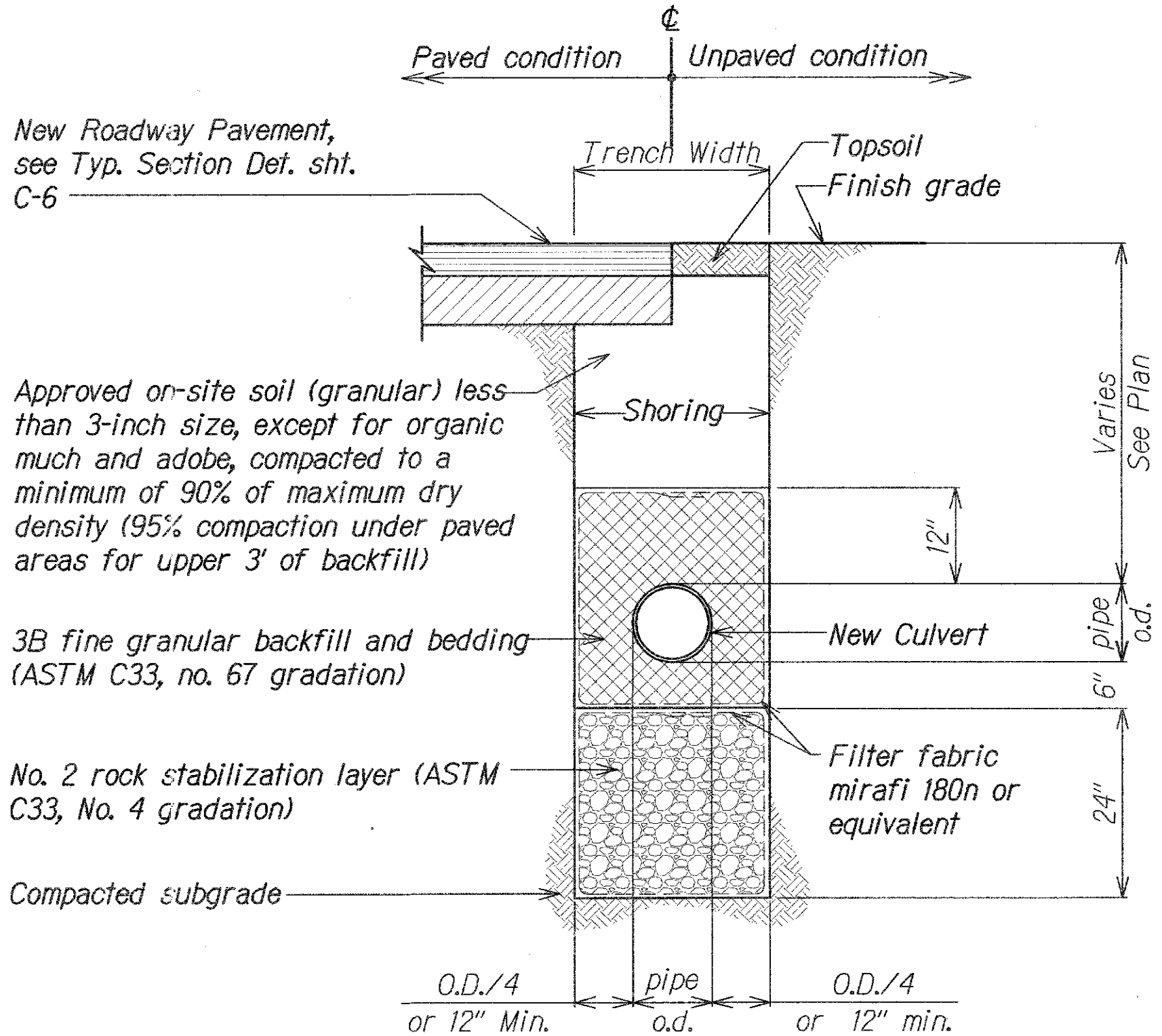
Profile: 2 - 54" Pipe Culverts at Detour Road @ Sta 7+05.08

Scale: Horizontal: 1" = 10'
Vertical: 1" = 5'



Profile: 36" Dia. Culvert at Detour Road @ Sta 4+16.63

Scale: Horizontal: 1" = 10'
Vertical: 1" = 5'



TYPICAL DRAINAGE TRENCH DETAIL
Not to Scale

Note:
Trench Backfill and Bedding Material including Filter Fabric shall be considered incidental to Pay Items No. 603.1201 and 603.1202

SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

CHAD M. McDONALD
 LICENSED PROFESSIONAL ENGINEER
 No. 9793-C
 HAWAII, U.S.A.
 This work was prepared by me or under my supervision
 Chad M. McDonald
 MITSUNAGA & ASSOCIATES, INC. EXP. DATE 4/30/2014
 NOTE: Contractor to check and verify dimensions of job before proceeding with work.

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
DRAINAGE CULVERT PROFILES
 KAMEHAMEHA HIGHWAY
 REPLACEMENT OF KOKOLOLO STREAM BRIDGE
 Federal Aid Project No. BR-083-1(50)
 Scale: As Noted Date: August 2004
 SHEET No. C-20 OF 51 SHEETS