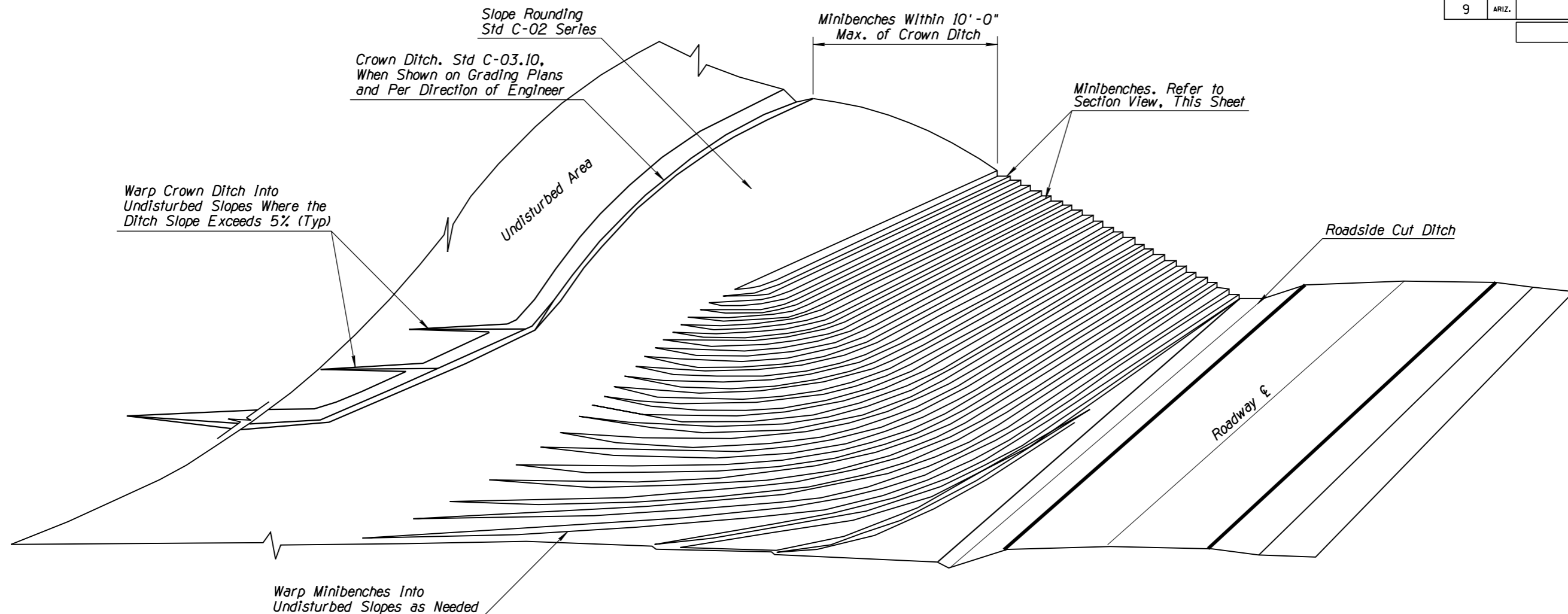
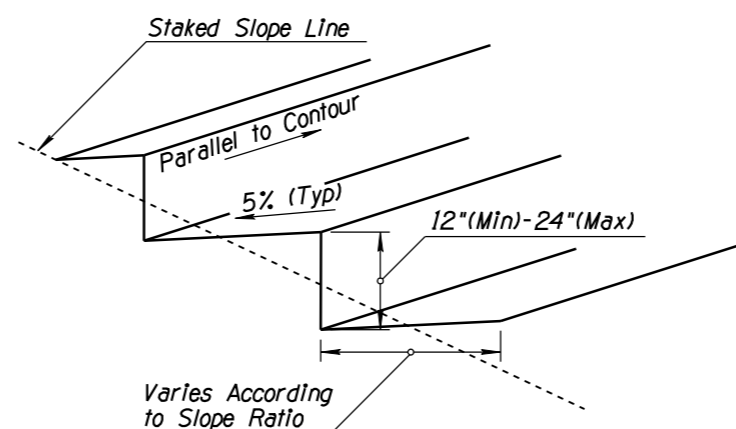


F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.				



MINIBENCH PERSPECTIVE VIEW (NTS)



MINIBENCH SECTION VIEW (NTS)

- NOTES:**
1. Construct Minibenches horizontally as the cut is being constructed. Apply slope rounding per Section 203, Subsection 3.03(B) of the Standard Specifications.
 2. The horizontal dimension of the bench is a function of the staked slope.
 3. Apply seeding for revegetation and permanent erosion control as the slope is being constructed to conform to the application limits of the seeding/mulching equipment. Refer to Standard Specifications Section 805.
 4. Construct each Minibench parallel to contour lines along entire length.
 5. Construct Minibenches on all suitable soil and soil/rock slopes.
 6. Use earth diversion dike in lieu of crown ditch when suitable and per the direction of the Engineer. Refer to Earth Diversion Dike Detail.
 7. Unless otherwise specified, Sediment Wattles and soil tillage are not required on top of Minibenches.
 8. Supplemental BMPs may be necessary in conjunction with crown ditches, earthen dikes or other run-on diversion measures to prevent scour.
 9. No direct payment for minibenching of new slopes; all such costs shall be considered included in the cost of excavation.

DETAIL ES7

SLOPE MINIBENCHING

DESIGN	TAO ZI FONG	05-2011	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION
DESIGN	HAN MENG	05-2011	
DRAWN	TAO ZI FONG	05-2011	ROADSIDE DEVELOPMENT SECTION
DRAWN	HAN MENG	05-2011	STORMWATER QUALITY PROTECTION & EROSION/SEDIMENT CONTROL DETAILS
CHECKED	E LEROY BRADY	05-2011	
TEAM LEADER	E LEROY BRADY	05-2011	
ROUTE	MP	LOCATION	
TRACS NO.			SHEET OF
			OF

NO. 1 DESCRIPTION OF REVISION DATE MADE BY NO. 2 DESCRIPTION OF REVISION DATE MADE BY