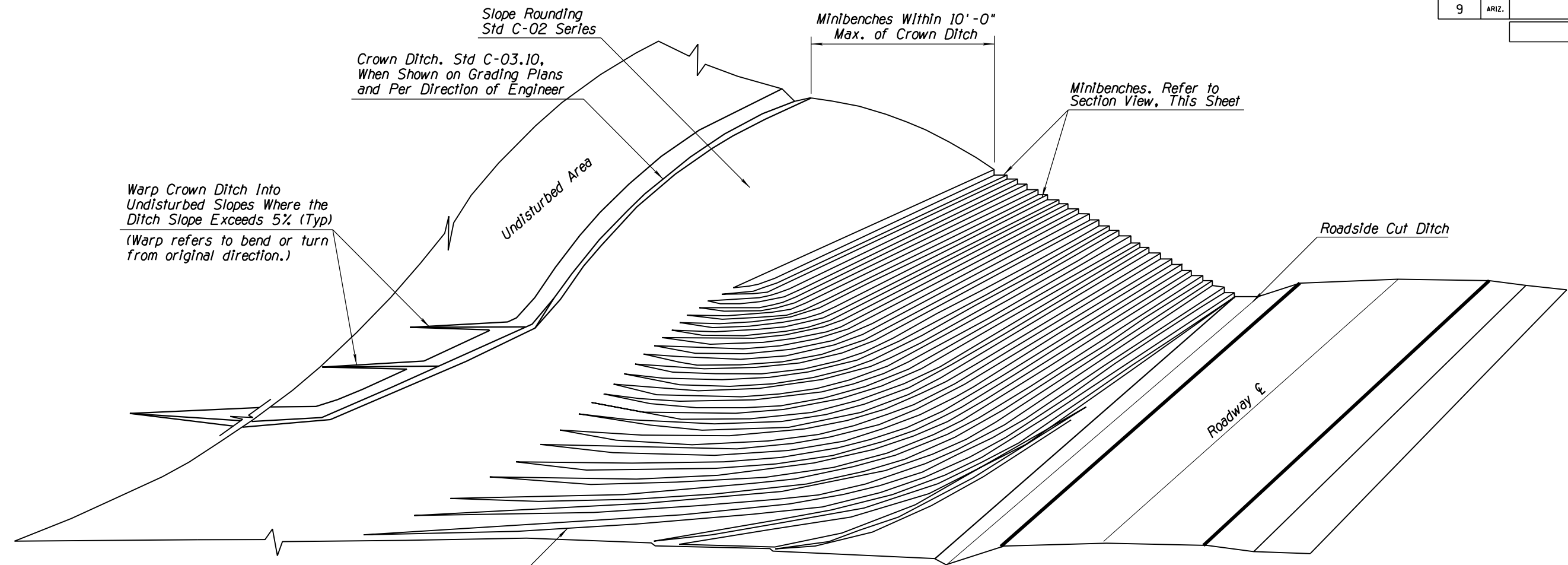


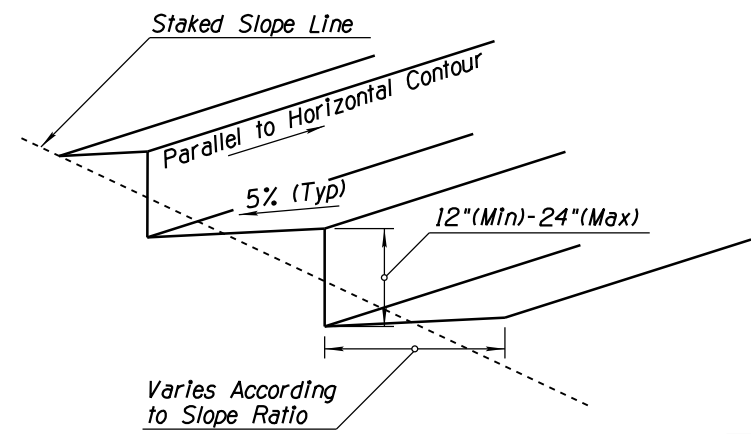
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				



**MINIBENCH PERSPECTIVE 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 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 Specifications Section 805 and project special provisions.
4. Construct each Minibench parallel to horizontal contour lines along entire length.
5. Construct horizontal 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 CMs/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.
10. Make field adjustments and corrections to ensure NO sensitive biological resources (native species / habitats) will be adversely impacted.



**MINIBENCH SECTION VIEW (NTS)**

# DETAIL ES8

SLOPE MINIBENCHING

DESIGN	TAO ZI FONG	6-2020	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION <b>ROADSIDE DEVELOPMENT SECTION</b>
DESIGN	HAN MENG	6-2020	
DRAWN	TAO ZI FONG	6-2020	STORMWATER QUALITY PROTECTION & EROSION/SEDIMENT CONTROL DETAILS
DRAWN	HAN MENG	6-2020	
CHECKED	JOHN R. HUCKO	6-2020	
TEAM LEADER	E LEROY BRADY	6-2020	
ROUTE	MP	LOCATION	
TRACS NO.			SHEET OF
			OF

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