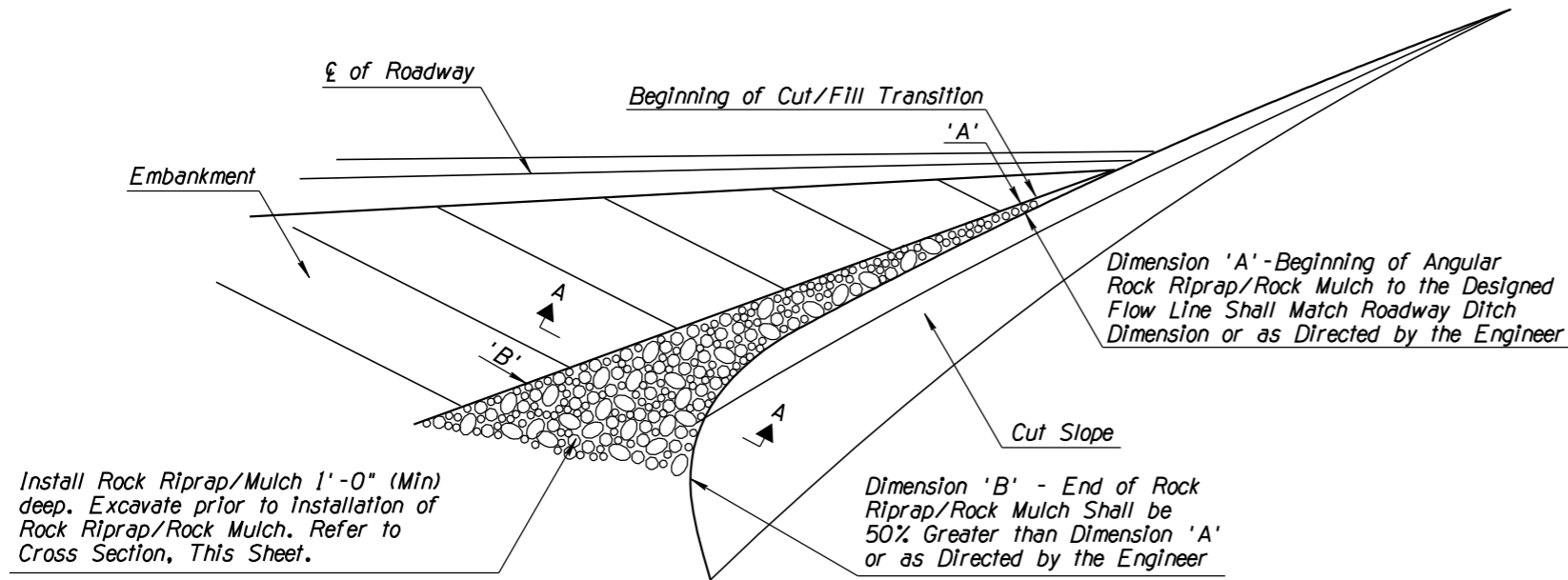
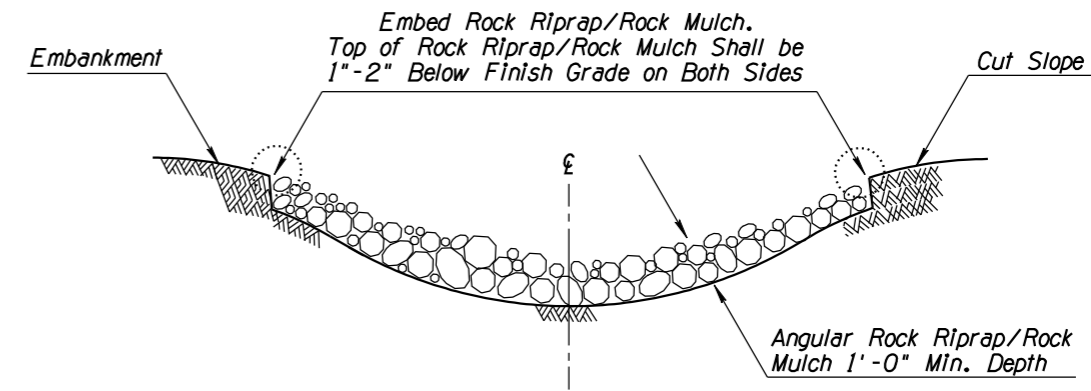


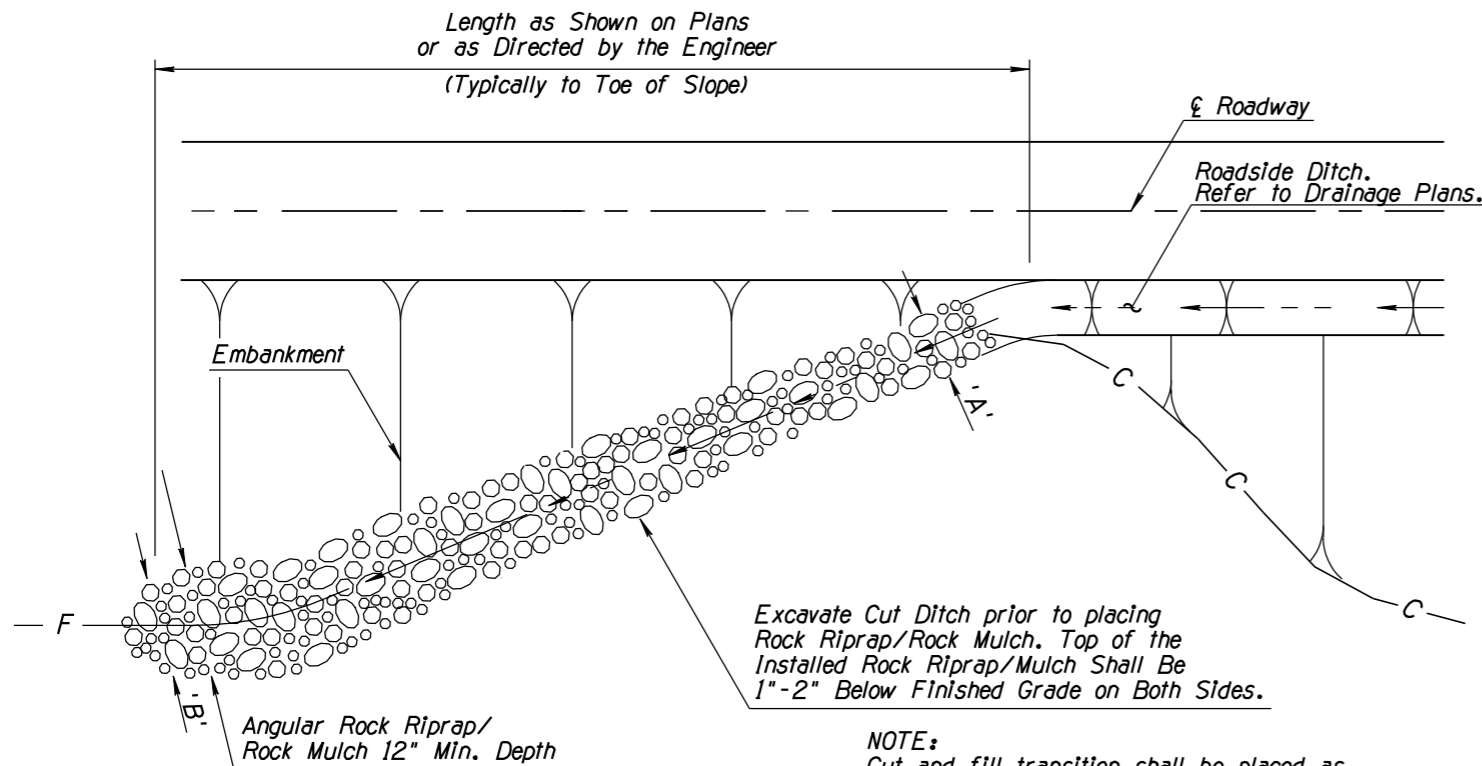
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.				



PERSPECTIVE (NTS)



ROCK RIPRAP/ROCK MULCH EMBEDMENT SECTION A-A (NTS)



PLAN VIEW (NTS)

NOTE:
Cut and fill transition shall be placed as shown on plans or where the length of the roadside ditch is 50 feet or greater. Field adjust per direction of Engineer.

NOTES:

1. Rock Riprap/Rock Mulch shall be angular shaped, crushed rock materials.
2. Rock Riprap/Rock Mulch within the traffic Clear Zone/Recovery Area shall conform to the requirements of Section 810-2.03 Sieve Size Gradation A and/or Gradation C, and Section 913 of the Standard Specifications.
3. Install Rock Riprap/Rock Mulch to a minimum depth of 12" for Channel Lining and Cut/Fill Transition. Excavate ground surface to a depth that the top of Rock is 1'-2" below the grade of the ditch.
4. Embed any Rock into the finished grade so that any portion of the Rock is less than 4" above grade, within traffic recovery area/clear zone.
5. The installation and maintenance of Rock Protection BMPs shall not negatively impact traffic safety, nor the designed function of roadway or bridge drainage facilities. Rock Protection BMPs shall be installed and maintained to carry the stormwater of at least 2-year, 24-hour events.
6. Field adjust and correct Rock Protection BMP immediately if it is causing flooding, erosion, and/or affecting roadway safety.
7. Field adjust to ensure the top surface of Rock Riprap/Rock Mulch is graded lower than the surrounding finished grade to collect surface stormwater runoff and concentrated flow.
8. The Rock Protection BMP's pay/bid item shall include all materials used for this BMP: all ground preparation, furnishing, installing, maintaining, as well as returning the area to an acceptable condition as approved by the Engineer.

DETAILS4

ROCK PROTECTION FOR CUT & FILL TRANSITION AND CHANNEL LINING

	NAME	DATE	
DESIGN	TAO ZI FONG	05-2011	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION ROADSIDE DEVELOPMENT SECTION
DESIGN	HAN MENG	05-2011	
DRAWN	TAO ZI FONG	05-2011	
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