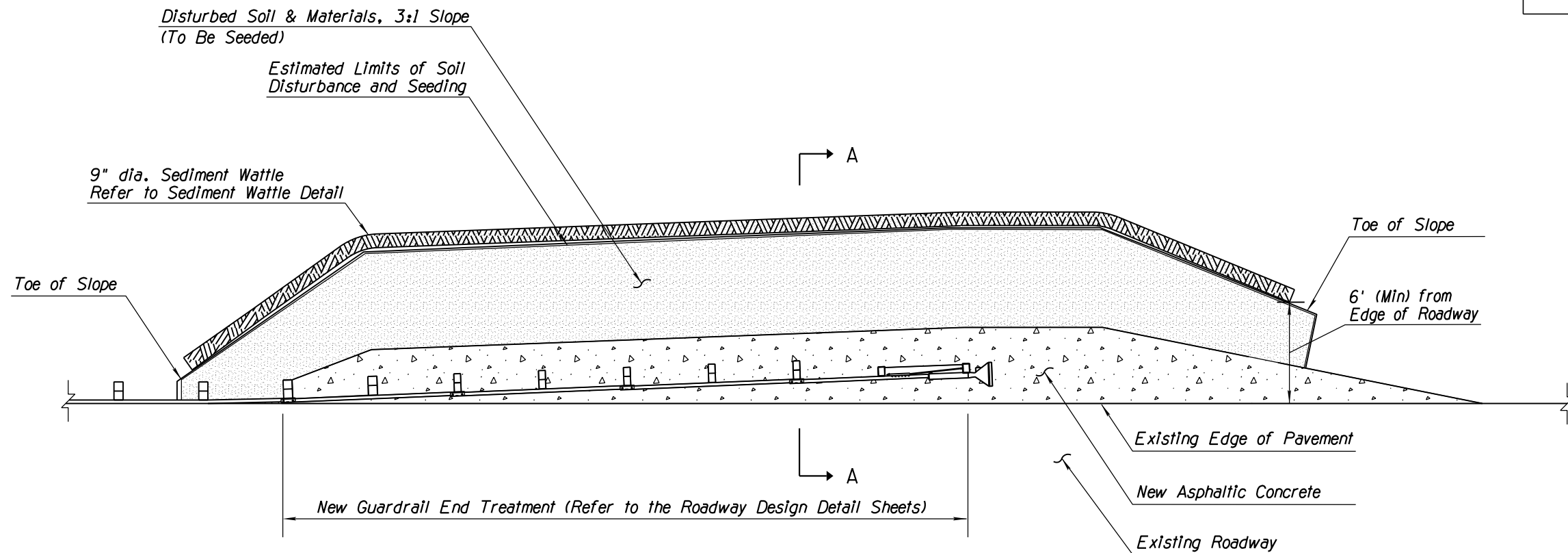


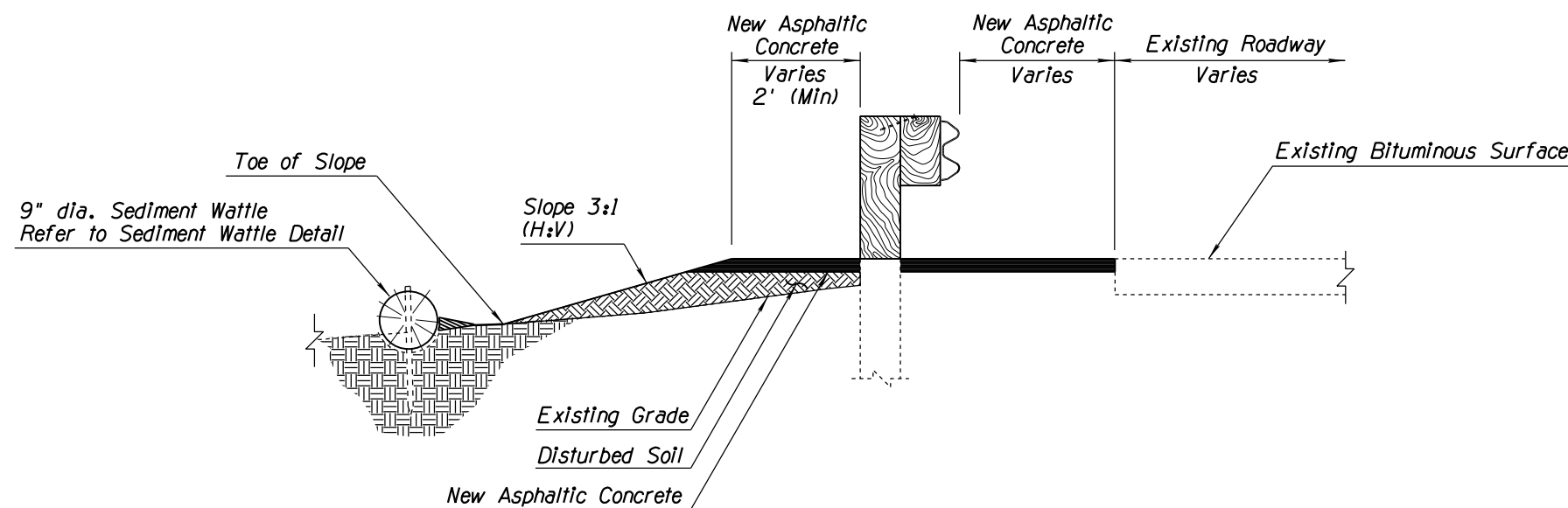
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				



PLAN VIEW (NTS)

NOTES:

1. Install Sediment Wattle beyond the toe of new slope. Use 9" diameter Sediment Wattles, unless directed by the Engineer. If slope exceeds 100 feet in length (top to toe), use 20" Sediment Log at toe of slope. Long slopes will require additional protection between top and toe of slope.
2. Locate Sediment Wattle as indicated on plans or as directed by the Engineer.
3. Place Sediment Wattle a minimum of 6'-0" from edge of roadway without guardrail.
4. Remove surface materials i.e. soil, rock, branches, leaves, slash and chips from the existing grade as needed to place the Sediment Wattle. Refer to Sediment Wattle detail for installation.
5. The installation and maintenance of Guardrail End Treatment Slope Protection BMPs shall not negatively impact traffic safety, nor the designed function of roadway or bridge drainage facilities. For erosion/sediment control purposes, Guardrail End Treatment Slope Protection BMPs shall be installed and maintained to carry the stormwater of at least 2-year, 24-hour events.
6. Remove Sediment Wattle per the direction of the Engineer or as soon as practicable upon stabilization of the construction disturbed area.
7. Make field adjustments and corrections of Guardrail Slope Protection BMP immediately if it is causing flooding, and/or affecting roadway safety.
8. Make field adjustments and corrections to ensure NO sensitive biological resources (native species / habitats) will be adversely impacted.



SECTION A-A (NTS)

# DETAIL ES4

## GUARDRAIL END TREATMENT SLOPE PROTECTION

DESIGN	TAO ZI FONG	7-2016	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION <b>ROADSIDE DEVELOPMENT SECTION</b>
DESIGN	HAN MENG	7-2016	
DRAWN	TAO ZI FONG	7-2016	
DRAWN	HAN MENG	7-2016	
CHECKED	JOHN R. HUCKO	7-2016	
TEAM LEADER	E LEROY BRADY	7-2016	
ROUTE	MP	LOCATION	
TRACS NO.			

STORMWATER QUALITY PROTECTION & EROSION/SEDIMENT CONTROL DETAILS

SHEET \_\_\_\_\_ OF \_\_\_\_\_

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