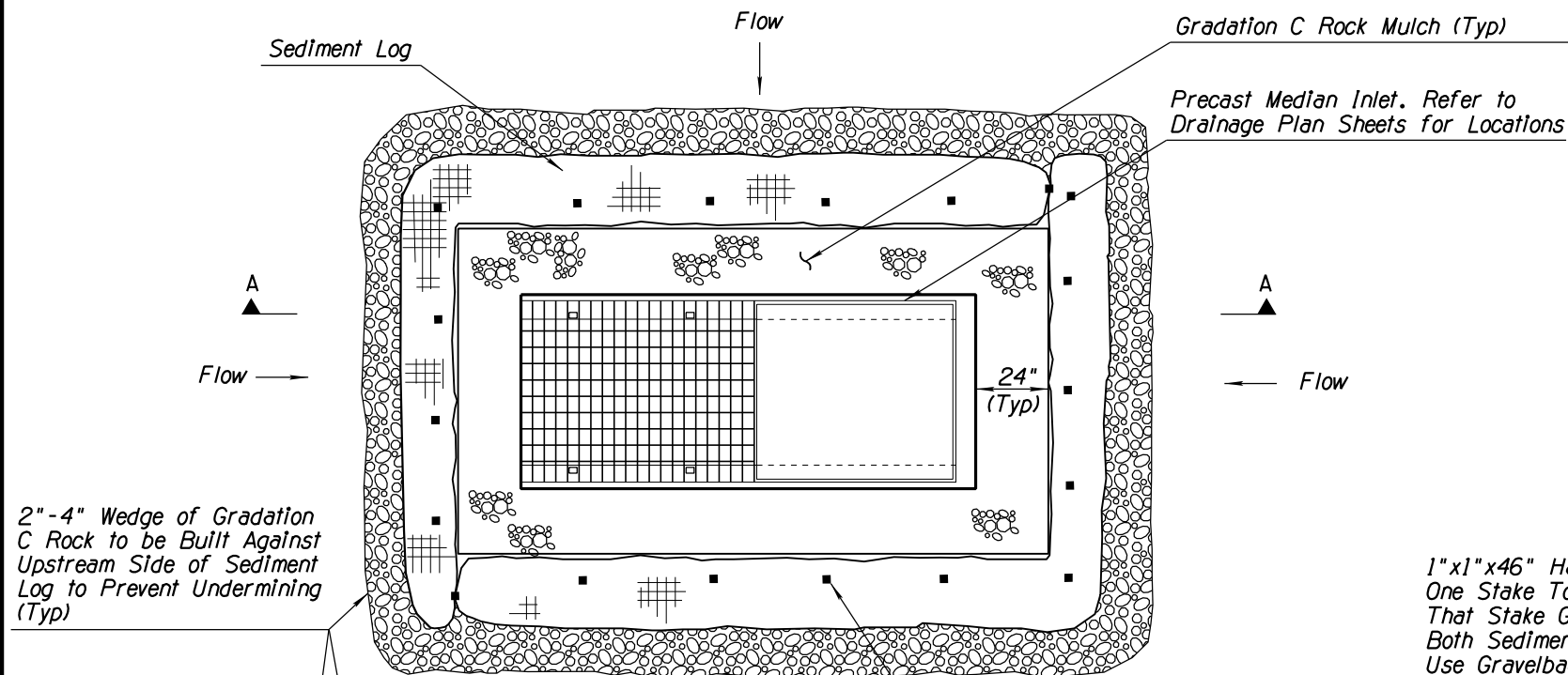
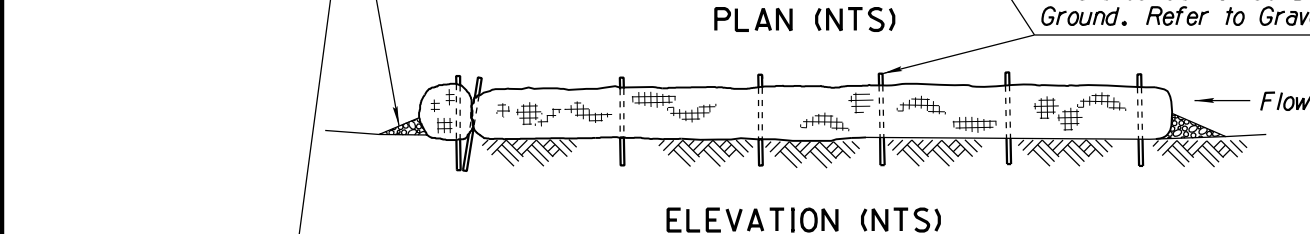


F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	ARIZ.				



2"-4" Wedge of Gradation C Rock to be Built Against Upstream Side of Sediment Log to Prevent Undermining (Typ)

1"x1" Hardwood Stake. Refer to Sediment Log Detail for Placement. Use Gravelbags if Stakes Cannot be Driven Into Ground. Refer to Gravelbag Detail.

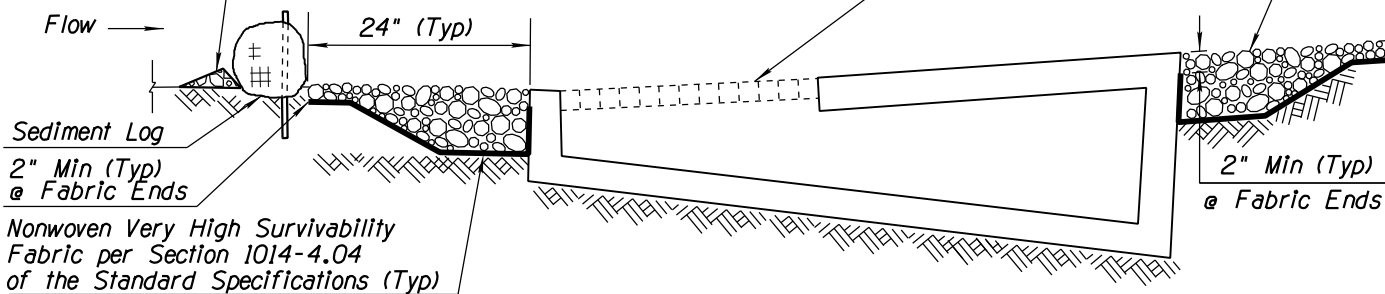


ELEVATION (NTS)

Median Inlet. Refer to Roadway Plans For Locations

Gradation C Rock Mulch, 8" In Depth

Sediment Log (Typ)



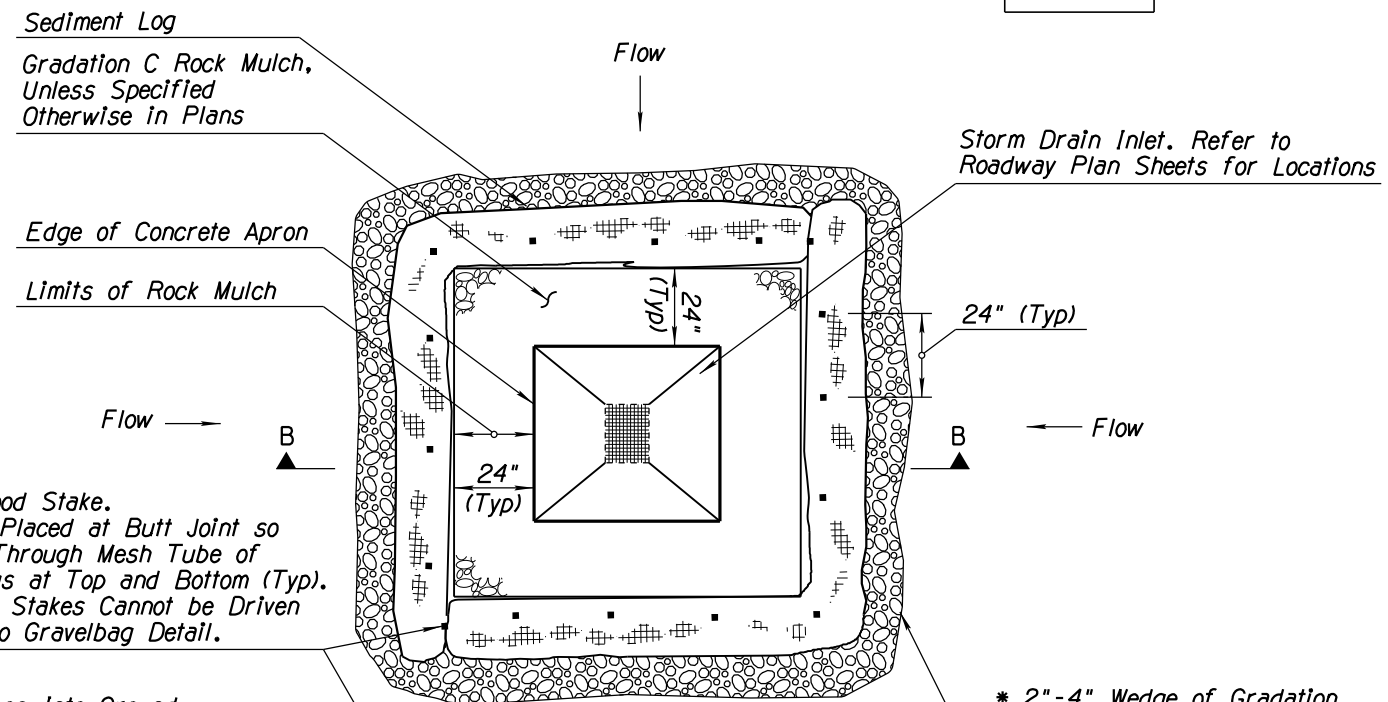
SECTION A-A (NTS)

Sediment Log
2" Min (Typ)
@ Fabric Ends
Nonwoven Very High Survivability Fabric per Section 1014-4.04 of the Standard Specifications (Typ)

2" Min (Typ)
@ Fabric Ends

NOTES:

- Sediment logs shall be located as indicated on plans or as directed by the Engineer. They shall be selected, installed, and maintained per manufacturer's specifications and good engineering practices. Log shall be installed perpendicular to the flow of water. Continuous contact between the bottom of the log and the ground is mandatory.
- Stake log with 1"x1"x46" Min. hardwood stakes 24" on center. The stake shall be placed through the downstream side only. It is necessary for the stakes to grab one or two inches of netting. Do not drive stake through center of log. The stakes must be driven into the ground 24". Stakes at corners shall be placed in an "X" pattern.
- Make sure no gaps exist between subgrade and sediment log. Runoff must not pass under sediment log. May require subgrade preparation as directed by Engineer.
- Repair any rills or gullies promptly.
- Remove Sediment Log and stakes once construction activities are complete. Dispose of sediment logs and trapped sediment material and fill trench created by sediment log.
- Refer to Roadway and Drainage Plans and Details for Locations of Inlets and Catch Basins.
- Make field adjustments and corrections of Inlet Protection BMP immediately if it is causing flooding, erosion, and/or affecting roadway safety.
- Make field adjustments and corrections to ensure NO sensitive biological resources (native species / habitats) will be adversely impacted.
- * Construct Rock Wedge with angular-shaped Gradation C Rock Mulch as defined in Section 810-2.03 of the Standard Specifications and these special provisions. Natural river-run materials such as rounded river rocks/cobblestones and pebbles are NOT acceptable.

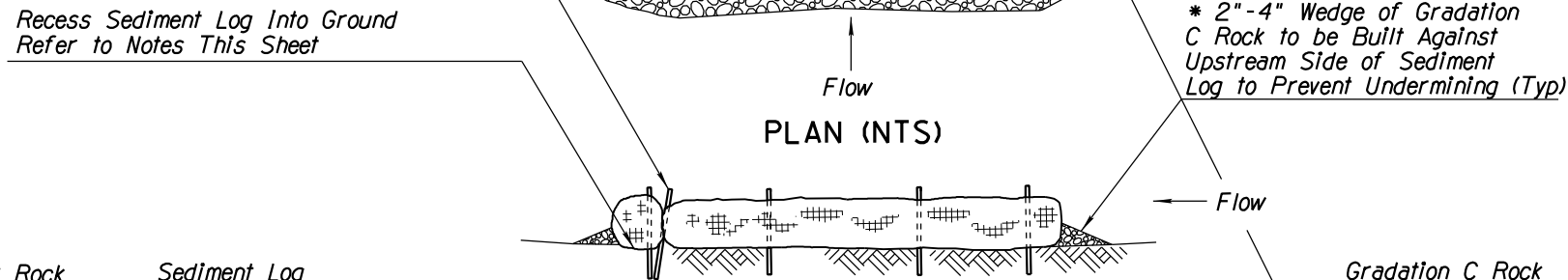


Sediment Log
Gradation C Rock Mulch, Unless Specified Otherwise in Plans

Edge of Concrete Apron
Limits of Rock Mulch

1"x1"x46" Hardwood Stake. One Stake To Be Placed at Butt Joint so That Stake Goes Through Mesh Tube of Both Sediment Logs at Top and Bottom (Typ). Use Gravelbags if Stakes Cannot be Driven Into Soil. Refer to Gravelbag Detail.

Recess Sediment Log Into Ground Refer to Notes This Sheet

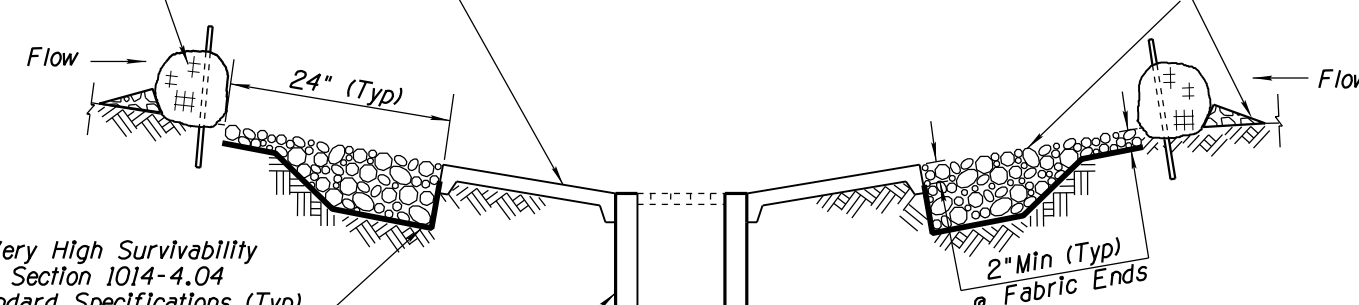


ELEVATION (NTS)

Gradation C Rock Mulch, 8" In Depth (Typ)

Sediment Log (Typ)

Concrete Apron (Typ)



SECTION B-B (NTS)

Median Catch Basin

DETAIL ES13

INLET PROTECTION COMBINED BMPS

DESIGN	NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION ROADSIDE DEVELOPMENT SECTION
DESIGN	TAO ZI FONG	7-2016	STORMWATER QUALITY PROTECTION & EROSION/SEDIMENT CONTROL DETAILS
DESIGN	HAN MENG	7-2016	
DRAWN	TAO ZI FONG	7-2016	STORMWATER QUALITY PROTECTION & EROSION/SEDIMENT CONTROL DETAILS
DRAWN	HAN MENG	7-2016	
CHECKED	JOHN R. HUCKO	7-2016	STORMWATER QUALITY PROTECTION & EROSION/SEDIMENT CONTROL DETAILS
TEAM LEADER	E LEROY BRADY	7-2016	
ROUTE	MP	LOCATION	
TRACS NO.			SHEET OF
			OF