

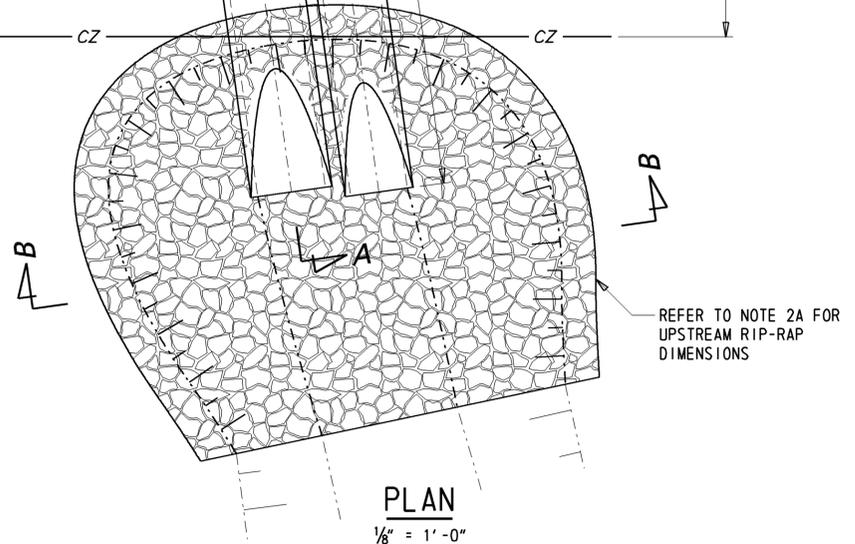
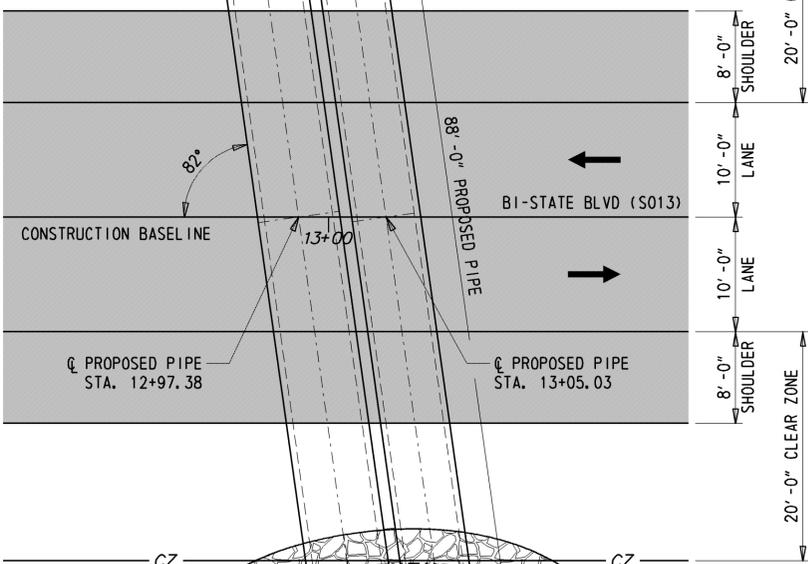
BRIDGE SECTION (A-A)
 $\frac{1}{8}'' = 1'-0''$

NOTE: BRIDGE SECTION SHOWS THE CENTERLINE OF THE 6'-0" PIPE

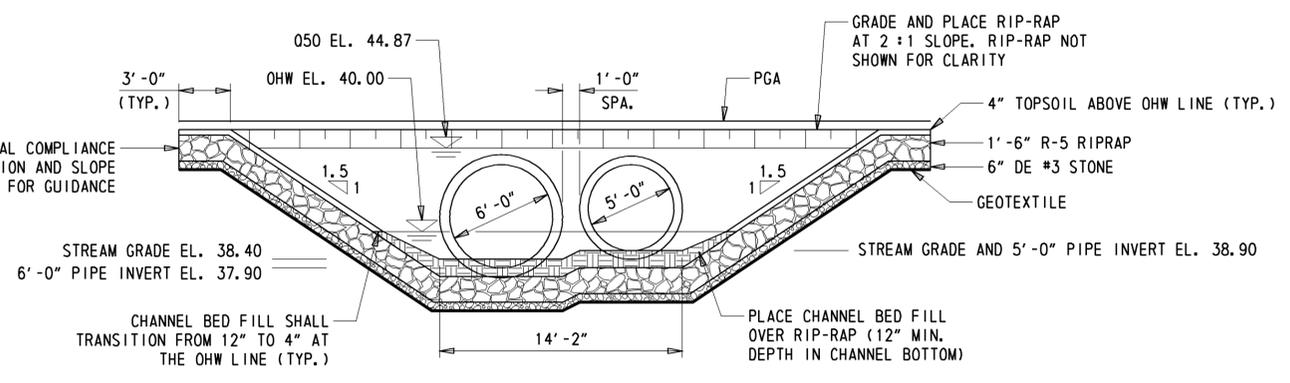
* PLACE 6" TOPSOIL AND APPROPRIATE SEEDING

NOTES:

1. PROPOSED STRUCTURE:
 THE EXISTING (2) 5'-0" CORRUGATED METAL PIPES SHALL BE REPLACED WITH (1) 6'-0" AND (1) 5'-0" DIAMETER REINFORCED CONCRETE PIPES (88'-0" LONG, EACH). THE INVERT OF THE NORTH PIPE (5'-0" PIPE) SHALL BE PLACED AT THE TOP OF THE CHANNEL BED FILL, EL. 38.90. THE INVERT OF THE SOUTH PIPE (6'-0" PIPE) SHALL BE PLACED AT EL. 37.90 AND THE TOP OF THE CHANNEL BED FILL SHALL BE AT EL. 38.40. PLACE PIPES WITH A 1'-0" SPACE BETWEEN THE OUTER WALLS OF EACH RUN AND PLACE FLOWABLE FILL BETWEEN THE PIPES. REFER TO TYPICAL SECTION SHEET FOR FLOWABLE FILL DETAILS. PLACE 6" OF COARSE AGGREGATE BEDDING BENEATH THE PIPES AND 6" SHAPED UP THE CURVE OF EACH PIPE FOR FOUNDATION STABILIZATION.
2. RIP-RAP PLACEMENT:
 A. UPSTREAM - RIP-RAP SHALL BE PLACED IN THE CHANNEL BOTTOM 20'-0" FROM THE PIPE INLET ALONG THE STREAM CENTERLINE AND SHALL BE PLACED TO CREATE A SMOOTH BEND THAT MATCHES THE EXISTING STREAM BANKS. RIP-RAP SHALL BE SHAPED AS SHOWN IN SECTION A-A TO PROVIDE FOR GRADE DIFFERENCE IN STREAM.
 B. DOWNSTREAM - RIP-RAP SHALL BE PLACED IN THE CHANNEL BOTTOM 30'-0" FROM THE PIPE OUTLET ALONG THE STREAM CENTERLINE AND SHALL BE PLACED TO CREATE A SMOOTH BEND THAT MATCHES THE EXISTING STREAM BANKS.



PLAN
 $\frac{1}{8}'' = 1'-0''$



BRIDGE ELEVATION (B-B)
 $\frac{1}{8}'' = 1'-0''$

REFER TO ENVIRONMENTAL COMPLIANCE NOTE 4 - STREAM RESTORATION AND SLOPE RIP-RAP TREATMENTS FOR GUIDANCE

REFER TO NOTE 2A FOR UPSTREAM RIP-RAP DIMENSIONS

ADDENDUMS / REVISIONS

SCALE AS NOTED

BR 3-299 ON S013 BI-STATE BLVD OVER MEADOW BRANCH

CONTRACT T201507301	BRIDGE NO. 3-299
COUNTY SUSSEX	DESIGNED BY: SMW
	CHECKED BY: KRL

BRIDGE PLAN, SECTION AND ELEVATION

SHEET NO. 8
TOTAL SHTS. 17

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