



PROJECT REFERENCE NO. SHEET NO. R-2707D 2D-4

HYDRAULICS
ENGINEER

H CARO

DEUSIGNEED:

J. W. G. SPANDA

D89AD8C149926971

OSHUA G. DAN

4/21/2023

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DETAIL #35 (NOT TO SCALE)

SINGLE BARREL CULVERT SKEWED W/SILLS AND BAFFLES

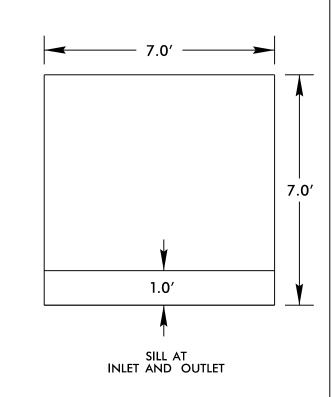
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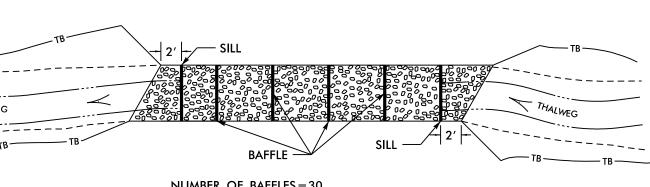
1) NATIVE MATERIAL BETWEEN SILLS/BAFFLES IN THE CULVERT SHALL PROVIDE A CONTINUOUS LOW FLOW CHANNEL. NATIVE MATERIAL CONSISTS OF MATERIAL THAT IS EXCAVATED FROM THE THE STREAM OR FLOODPLAIN AT THE PROJECT SITE DURING CONSTRUCTION. ONLY MATERIAL THAT IS EXCAVATED FROM THE STREAM BED MAY BE USED TO LINE THE CULVERT BARREL. NATIVE MATERIAL IS SUBJECT TO APPROVAL BY THE ENGINEER AND MAY BE SUBJECT TO PERMIT CONDITIONS.

2) SILLS/BAFFLES ARE TO BE 1.0 FT. WIDE, CAST SEPARATELY AND ATTACHED BY DOWELS.

3) TOP OF LOW FLOW SILLS/BAFFLES SHOULD MATCH STREAM BED ELEVATION IN LOW FLOW CHANNEL OF STREAM. (THALWEG)

4) NUMBER OF SILL/BAFFLES DETERMINED BY THE ENGINEER.





NUMBER OF BAFFLES = 30 ON 12 FT CENTERS FROM DOWNSTREAM SILL (SEE STRUCTURE PLANS)

PLAN VIEW

1@7' X 7' RCBC AT STA. 717+13 -L-