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5/14/99

BIOFILTRATION CONVEYANCE DETAILS

STEP POOL AND RIFFLE

TGS ENGINEERS
706 HILLSBOROUGH ST. SUITE 200
RALEIGH, NC 27603
PH (919) 773-8887
CORP. LICENSE NO.: C-0275

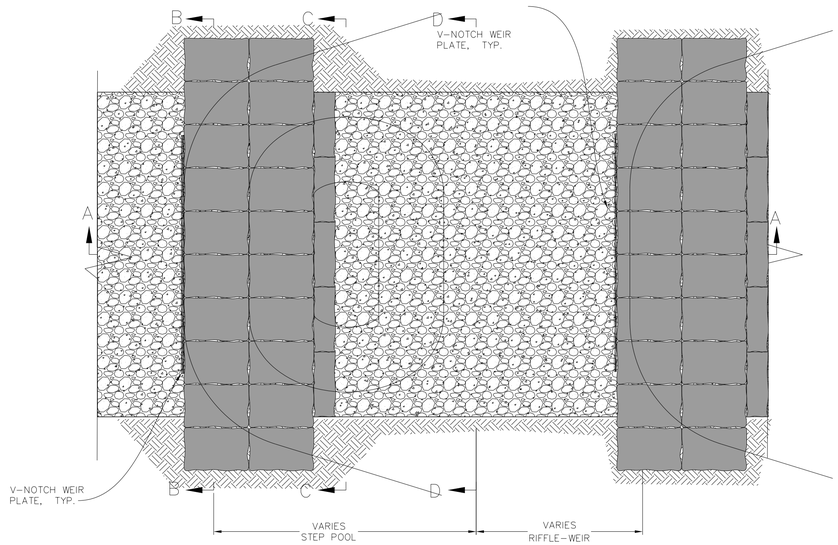
PROJECT REFERENCE NO.	SHEET NO.
R-2566BA	2D-2
R/W SHEET NO.	

HYDRAULICS ENGINEER

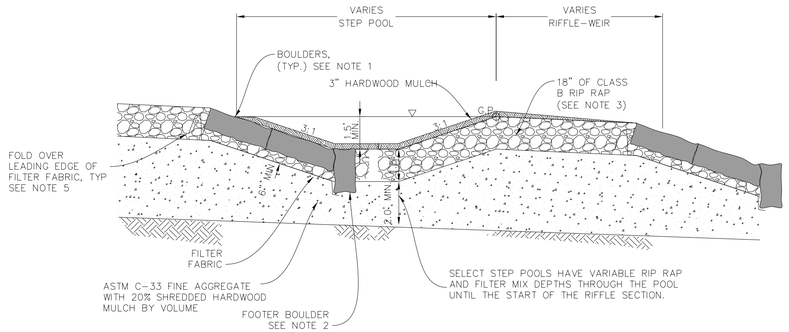
NORTH CAROLINA PROFESSIONAL SEAL 038697 ENGINEER DAVID B. PETTY

8/3/2021

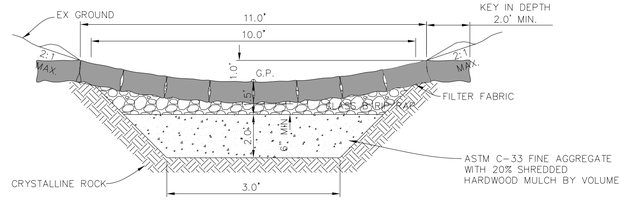
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



PLAN
WEIR – TYPICAL
SCALE: NTS



SECTION A–A
SCALE: NTS



SECTION B–B
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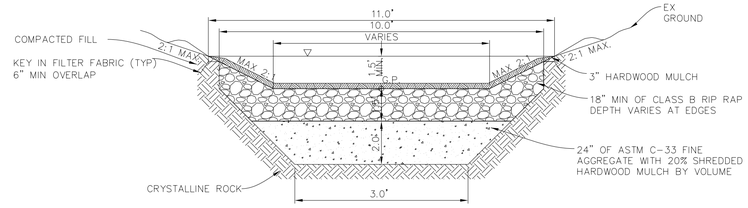
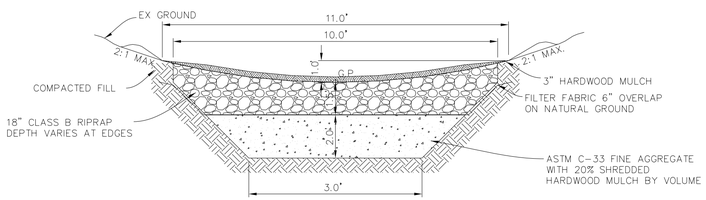


SECTION C–C
STEP POOL – TYPICAL



SECTION D–D
RIFFLE – TYPICAL
SCALE: NTS

GENERAL NOTES:

1. BOULDERS SHOULD BE APPROX. 3'x2'x1'
2. FOOTER BOULDER SHALL EXTEND 2 FEET BELOW THE BOTTOM OF THE STEP POOL
3. RIP RAP SHALL BE PLACED IN 8" LIFTS WITH APPROXIMATELY 2" OF FILTER MIX (ASTM C-33 FINE AGGREGATE, WITH 20% SHREDDED HARDWOOD MULCH BY VOLUME) BETWEEN LIFTS (NOT SHOWN IN DETAILS).
4. SEE PROFILE, SHEET 2D-1, FOR FINISH GRADE ELEVATIONS.
5. FILTER FABRIC LEADING EDGE WILL BE BURIED 6" INTO RIP RAP AND COVERED WITH RIP RAP.
6. FILTER FABRIC SHALL CONFORM TO THE REQUIREMENTS OF SECTION 1056 – ENGINEERING FABRICS OF THE NCDOT STANDARD SPECIFICATIONS FOR FOR TYPE 2 FABRIC

6/23/2021
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