



- NOTES:**
- ALL SLOPES STEEPER THAN 3:1 SHALL RECEIVE EROSION CONTROL MATTING UNLESS NOTED OTHERWISE.
 - ALL DISTURBED BORDERING VEGETATED WETLANDS AREAS SHALL BE RESTORED BY THE CONTRACTOR IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS PER THE PROJECT SPECIFICATIONS.
 - DUMPED RIPRAP SHALL BE KEYED INTO ADJACENT STREAMBED MATERIAL AND NATIVE FILL PER SHEET C-201, RIVER STONE DETAIL.
 - DUMPED RIPRAP SHALL BE TOED BELOW THE STREAM BOTTOM AT THE TOE OF SLOPES PER SHEET C-201, DUMPED RIPRAP DETAIL.

SEEDING NOTES:

- NATIVE WILDFLOWER SEED MIX SHALL BE NEW ENGLAND CONSERVATION/WILDLIFE MIX, OR SIMILAR (SEE SPECIFICATION).

**COMMONWEALTH OF MASSACHUSETTS
MASSDOT, HIGHWAY DIVISION
CONCEPTUAL DESIGN IS ACCEPTABLE
TO MASSDOT FOR CONTRACTING**

DISTRICT TWO BRIDGE ENGINEER _____ DATE _____

- GEOTECHNICAL NOTES:**
- DISTURBED FOOTING SUBGRADES AND/OR LOOSE OR SOFT ZONES SHALL BE OVER EXCAVATED TO REMOVE LOOSE/DISTURBED MATERIAL AND REPLACED WITH COMPACTED 3/4" CRUSHED STONE, WRAPPED IN NON-WOVEN GEOTEXTILE (MIRAFI 180N OR APPROVED EQUAL).
 - IF EXISTING FILL SOIL IS ENCOUNTERED AT THE BOTTOM OF THE FOUNDATION, THE CONTRACTOR SHALL OVER EXCAVATE AND BACKFILL TO CULVERT SUBGRADE WITH 3/4" CRUSHED STONE WRAPPED IN NON-WOVEN GEOTEXTILE (MIRAFI 180N OR APPROVED EQUAL).
 - EXCAVATIONS SHOULD BE SEQUENCED AND CONSTRUCTED IN SUCH A WAY TO MINIMIZE DISTURBANCE OF SUBGRADES AND FINAL EXCAVATION TO THE UNDISTURBED NATURAL CONNECTICUT VALLEY VARVED CLAY (CVVC) SUBGRADE WITH A SMOOTH-EDGED EXCAVATOR BUCKET. EQUIPMENT SHALL NOT OPERATE DIRECTLY ON THE NATURAL SUBGRADE.
 - WITHIN A LATERAL DISTANCE OF 5 FEET OF THE BACK OF A CULVERT WALL OR WINGWALL, THE CONTRACTOR SHALL ONLY USE HAND-OPERATED ROLLERS OR PLATE COMPACTORS WEIGHING NOT MORE THAN 250 POUNDS.
 - EXISTING FILL AND EXCAVATED CVVC SHALL NOT BE USED AS BACKFILL BEHIND PROPOSED WINGWALLS AND HEADWALLS OR OVER THE PROPOSED CULVERT. EXCAVATED SOIL THAT CANNOT BE REUSED IN THESE AREAS SHALL BE REGRADED ELSEWHERE ON SITE AS SPECIFIED BY THE ENGINEER OR REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
 - INTERFACE BETWEEN GRANULAR FILL AND LIGHTWEIGHT AGGREGATE FILL CAN BE STEPPED WITH ACCEPTANCE OF GEOTECHNICAL ENGINEER. EACH SUCCESSIVE LIFT NEEDS TO BE KEYED INTO SLOPE.
 - THE FACTORED ALLOWABLE BEARING CAPACITY IS 2 KSF PER THE GEOTECHNICAL REPORT.

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| NO. | DATE | DESCRIPTION | BY | CHECKED BY | RM |
|-----|----------|--------------------------|-----|------------|------------|
| 1 | 2/9/2023 | RESPONSE TO DFP COMMENTS | MJD | MJD | 0234052.00 |
| 2 | 2/9/2023 | METAL INVERT REVISION | MJD | MJD | 0234052.00 |
| 3 | 2/9/2023 | ASTERNUM 4 | MJD | MJD | 0234052.00 |

**TOWN OF AGAWAM
AGAWAM, MA**

**WHITE BROOK OVER
NORTH STREET
REPLACEMENT**

JOB NO: 0234052.00
DATE: JUNE 2023
SCALE: 1" = 20'
SHEET: 6 OF 12

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