

## GENERAL NOTES

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE STATE OF VERMONT AGENCY OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2011, AND ITS LATEST REVISIONS, THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 6th EDITION AND ITS LATEST REVISIONS, AND SUCH SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THE FINAL CONTRACT DOCUMENTS.
2. ANY WASTE MATERIAL SHALL BE REMOVED AND HAULED TO A PREVIOUSLY APPROVED FACILITY.
3. THE LOCATIONS, SIZES, AND TYPES OF EXISTING UTILITIES ARE SHOWN AS AN APPROXIMATE REPRESENTATION ONLY. THE OWNER OR DESIGN ENGINEER HAVE NOT INDEPENDENTLY VERIFIED ALL OF THIS INFORMATION AS SHOWN ON THE PLANS. THE UTILITY INFORMATION SHOWN DOES NOT GUARANTEE THE ACTUAL EXISTENCE, SERVICEABILITY, OR OTHER DATA CONCERNING THE UTILITIES, NOR DOES IT GUARANTEE AGAINST THE POSSIBILITY THAT ADDITIONAL UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN ON THE PLANS. PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY AND DETERMINE THE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF THE POINTS OF CONNECTIONS TO EXISTING UTILITIES, AND SHALL CONFIRM THAT THERE IS NO INTERFERENCE WITH EXISTING UTILITIES AND THE PROPOSED UTILITY ROUTES, INCLUDING ROUTES WITHIN THE PUBLIC RIGHTS OF WAY. ALL COSTS ASSOCIATED WITH VERIFYING AND DETERMINING UTILITY LOCATIONS WILL BE PAID FOR UNDER ITEM 204.22 "TRENCH EXCAVATION OF EARTH, EXPLORATORY"
4. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, OR EXISTING CONDITIONS DIFFER FROM THOSE SHOWN SUCH THAT THE WORK CANNOT BE COMPLETED AS INTENDED, THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED AND THE INFORMATION FURNISHED IN WRITING TO THE ENGINEER FOR THE RESOLUTION OF THE CONFLICT.
5. EXISTING UNDERGROUND AND AERIAL FACILITIES ARE LOCATED THROUGHOUT THE PROJECT AREA. OWNERSHIP OF THESE FACILITIES INCLUDES OPERATIONAL UTILITY COMPANIES, MUNICIPALITIES, AND INDIVIDUAL PROPERTY OWNERS. THESE UNDERGROUND AND AERIAL FACILITIES WILL NOT REQUIRE ADJUSTMENT DURING CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR IS CAUTIONED TO PROTECT THESE FACILITIES FROM DAMAGE.

## CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL ERECT, MAINTAIN, REMOVE, AND/OR RESET AS REQUIRED ALL ON-PROJECT CONSTRUCTION SIGNS AND BARRICADES. ALL SIGNS AND BARRICADES SHALL BE INSPECTED AND REPAIRED DAILY. ALL SIGNS AND BARRICADES SHALL CONFORM TO THE LATEST VERSION OF THE MUTCD AND SHALL BE CLEANED OF DUST AND DEBRIS WEEKLY.
2. FULL ACCESS TO ALL DRIVES WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED AT ALL TIMES. IF FULL ACCESS CANNOT BE MAINTAINED, THE CONTRACTOR SHALL CONTACT AND COORDINATE WITH THE BUSINESS OR PROPERTY OWNER AT LEAST 24 HOURS IN ADVANCE OF TEMPORARILY CLOSING OFF THE ACCESS.
3. IN THE EVENT THAT SUSPECTED CONTAMINATED SOIL, GROUNDWATER, AND OTHER MEDIA ARE ENCOUNTERED DURING EXCAVATION AND CONSTRUCTION ACTIVITIES BASED ON VISUAL, OLFACTORY, OR OTHER EVIDENCE, THE CONTRACTOR SHALL STOP WORK IN THE VICINITY OF THE SUSPECT MATERIAL TO AVOID FURTHER SPREADING OF THE MATERIAL, AND SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN.
4. CONTRACTOR IS RESPONSIBLE FOR DEVELOPING A DETAILED TRAFFIC CONTROL PLAN AND MAINTAINING VEHICULAR AND PEDESTRIAN TRAFFIC IN ACCORDANCE WITH THE TRAFFIC CONTROL NOTES IN THESE PLANS, AND IN ACCORDANCE WITH SECTION 641 FOR TRAFFIC CONTROL AS DEFINED IN THE VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION BOOK, DATED 2011 AND THE LATEST VERSION OF THE MUTCD.

## PRECAST CONCRETE RETAINING WALL

1. THE DESIGN, CONSTRUCTION, HANDLING, AND ASSEMBLY OF THE PRECAST CONCRETE RETAINING WALL SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS. HANDLING AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AS APPLICABLE.
2. THE PRECAST CONCRETE RETAINING WALL WILL BE PAID FOR UNDER ITEM 900.670, (SPECIAL PROVISION (RETAINING WALL)).
3. THE CONTRACTOR SHALL ENSURE THAT THE SELECTED PRECAST CONCRETE RETAINING WALL IS CONSTRUCTED ENTIRELY WITHIN THE STATE OWNED RIGHT-OF-WAY AND PROJECT LIMITS AS SHOWN IN THE PLANS. PRECAST CONCRETE RETAINING WALLS WHICH REQUIRE PERMANENT EASEMENTS TO THE ADJACENT PROPERTIES WILL NOT BE PERMITTED.
4. THE PRECAST CONCRETE RETAINING WALL SHALL BE DESIGNED BY THE FABRICATOR IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS REFERENCED IN GENERAL NOTE 1. THE DESIGN SHALL INCLUDE THE EFFECTS OF ALL APPLICABLE LOADS INCLUDING VEHICULAR SURCHARGE. DESIGN CALCULATIONS SHALL BE SUBMITTED WITH FABRICATION DRAWINGS STAMPED BY AN ENGINEER REGISTERED IN THE STATE OF VERMONT.
5. THE DESIGN OF THE WALL SHALL INCORPORATE PROVISIONS FOR ADJACENT OBSTRUCTIONS SUCH AS DRAINAGE FEATURES AND GUARDRAIL POSTS IF NECESSARY. ANY CHANGES TO THE WALL SYSTEM SHALL BE DETAILED IN THE FABRICATION DRAWINGS.
6. DESIGN VALUES:
  - A. BACKFILL SOIL PARAMETERS
    - i. UNIT WEIGHT = 140 LB/FT<sup>3</sup>
    - ii. FRICTION ANGLE = 34°
  - B. BEARING STRATUM AND RETAINED SOIL PARAMETERS
    - i. UNIT WEIGHT = 135 LB/FT<sup>3</sup>
    - ii. FRICTION ANGLE = 34°
  - C. REQUIRED DESIGN LIFE = 75 YEARS
  - D. FACTORED BEARING RESISTANCE AT STRENGTH LIMIT STATE = 7.0 KIPS/FT<sup>2</sup>

PROJECT NAME:	BARRE CITY - BARRE TOWN
PROJECT NUMBER:	MEGC M 6000(II)C/1
FILE NAME:	z15d040_notes.dgn
PROJECT LEADER:	A.P. GUYETTE
DESIGNED BY:	D.M. PECK
PROJECT NOTES	
PLOT DATE:	12/2/2016
DRAWN BY:	P.A. MILLER
CHECKED BY:	D.M. PECK
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