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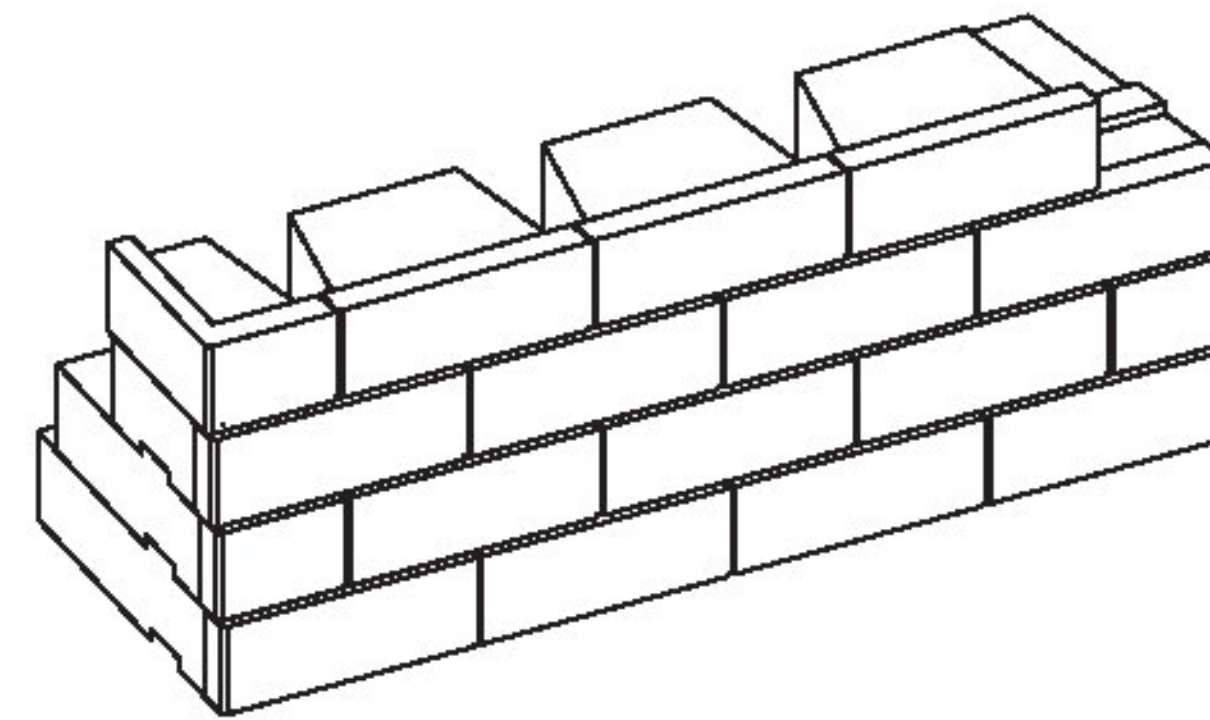
HUNTINGTON BF 0211(32)

HUNTINGTON, VERMONT

GENERAL NOTES:

QUALITY ASSURANCE PROVISIONS:

1. MULTIPLE CONTRACTORS (FENCE, WALL, GRADING, ETC.) MAY BE USED TO COMPLETE THE OVERALL PROJECT AS SHOWN ON THESE SHOP DRAWINGS. PLANS DO NOT DEFINE SCOPE OF WORK FOR INDIVIDUAL ENTITIES. SEE CONTRACT DOCUMENTS FOR SPECIFIC DETAILS ON THE SCOPE OF WORK THAT WILL BE PROVIDED BY ALL PARTIES.
2. WALL CONSTRUCTION SHALL BE SUPERVISED BY A QUALIFIED ENGINEER OR TECHNICIAN TO VERIFY FIELD AND SITE SOIL CONDITIONS. IF THIS WORK IS NOT PERFORMED BY THE SITE GEOTECHNICAL ENGINEER, A QUALIFIED GEOTECHNICAL ENGINEER/TECHNICIAN SHALL BE CONSULTED IN THOSE MATTERS PERTAINING TO THE SOIL CONDITIONS AND WALL PERFORMANCE.
3. THE FOUNDATION SOILS AT THE BASE OF THE WALL(S) SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER. ANY UNSUITABLE SOILS OR IMPROPERLY COMPACTED EMBANKMENT MATERIAL SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER PRIOR TO WALL CONSTRUCTION TO PROVIDE ADEQUATE BEARING CAPACITY AND MINIMIZE SETTLEMENT.
4. ALL WALL EXCAVATION AND RETAINED SOILS SHALL BE INSPECTED FOR GROUNDWATER CONDITIONS. ANY ADDITIONAL DRAINAGE PROVISIONS REQUIRED IN THE FIELD SHALL BE INCORPORATED INTO THE WALL CONSTRUCTION AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
5. WALL BACKFILL MATERIAL SHALL BE TESTED AND APPROVED BY THE ENGINEER, MEETING THE MINIMUM REQUIREMENTS OF THE APPROVED DESIGN PLANS OR SPECIFICATIONS.
6. ALL SOIL BACKFILL SHALL BE TESTED BY THE GEOTECHNICAL ENGINEER FOR MOISTURE, DENSITY, AND COMPACTION PERIODICALLY (EVERY 2' VERTICALLY, 100'-200' C/C) MEETING THE MINIMUM REQUIREMENTS OF THE APPROVED DESIGN PLANS OR SPECIFICATIONS.
7. THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN QUALITY CONTROL FOR THE CONSTRUCTION OF THE WALL TO ASSURE COMPLIANCE WITH CONTRACT REQUIREMENTS AND MAINTAIN RECORDS OF ITS QUALITY CONTROL.
8. ALL WALL ELEVATIONS, GRADES, AND BACK SLOPE CONDITIONS SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD FOR CONFORMANCE WITH APPROVED DESIGN PLANS. ANY REVISIONS TO THE STRUCTURE GEOMETRY OR DESIGN CRITERIA SHALL REQUIRE DESIGN MODIFICATIONS PRIOR TO PROCEEDING WITH CONSTRUCTION.
9. THE STATE SHALL PROVIDE THE SITE GEOTECHNICAL ENGINEER DURING THE EXCAVATION AND CONSTRUCTION OF THE WALL.



SHEET INDEX	
SHEET	DESCRIPTION
1.00	TITLE SHEET
2.00	SITE PLAN
3.00	SPECIFICATIONS
4.00	DETAILS (TYPICAL)
4.01	DETAILS (TYPICAL)
5.00	SECTION A - A
6.00	WALL 1 ELEVATION

GENERAL NOTES:

DESIGN PROVISIONS:

1. THE WALL IS DESIGNED TO MEET THE FOLLOWING DESIGN PARAMETERS AND MAXIMUM SURCHARGE LOADINGS:

UNIT TYPE: RECON SERIES 50
 BATTER: 3.6°
 REINFORCEMENT: GRAVITY
 DESIGN METHOD: AASHTO LRFD
 LIVE LOAD: 250 PSF
 DEAD LOAD: 0 PSF
 TOE SLOPE: 1.5H:1V
 BACK SLOPE: NONE
 SEISMIC: N/A
 HYDROSTATIC: N/A (DRAINAGE PROVIDED)
 (SEE AASHTO LRFD STANDARD SPECIFICATIONS FOR LOAD FACTORS)

2. THE FOUNDATION SOILS AT THE WALL LOCATIONS SHALL BE CAPABLE OF SAFELY SUPPORTING THE MAXIMUM APPLIED BEARING PRESSURE AS SHOWN ON THE WALL PROFILES WITHOUT FAILURE OR EXCESSIVE SETTLEMENT. LOCAL BEARING CAPACITY SHALL BE CONFIRMED BY THE SITE GEOTECHNICAL ENGINEER AFTER FOUNDATION EXCAVATION AND PRIOR TO WALL CONSTRUCTION.

3. THE FOLLOWING EFFECTIVE STRENGTH PARAMETERS WERE USED IN THE PREPARATION OF THE STRUCTURAL CALCULATIONS FOR THE RECON RETAINING WALL SYSTEM:

	ϕ	c	γ	SOIL TYPE
SELECT BACKFILL	34°	0 PSF	140 PCF	704.08 GRANULAR BACKFILL FOR STRUCTURES
RETAINED SOIL	32°	0 PSF	110 PCF	SAND
FOUNDATION SOIL	32°	0 PSF	110 PCF	SAND
LEVELING PAD	40°	0 PSF	110 PCF	CRUSHED STONE

4. SOILS INFORMATION OBTAINED FROM THE GEOTECHNICAL REPORT ADDENDUM PREPARED BY VERMONT AGENCY OF TRANSPORTATION LAST DATED 9/16/2015. THE FOUNDATION SOILS SHALL BE EVALUATED BY A GEOTECHNICAL ENGINEER OR OTHER QUALIFIED REPRESENTATIVE OF THE OWNER TO ENSURE THAT THE BEARING SOILS MEET OR EXCEED THE DESIGN CONDITIONS OR ASSUMPTIONS.

- *5. CDP HAS NOT PERFORMED A GLOBAL STABILITY ANALYSIS. PER SECTION 5.2.2 OF THE GEOTECHNICAL REPORT ADDENDUM, VERMONT AGENCY OF TRANSPORTATION SHALL PERFORM A FINAL GLOBAL STABILITY ANALYSIS AND CONFIRM THE RESULTS WITH CDP PRIOR TO CONSTRUCTION. IF A FINAL GLOBAL STABILITY ANALYSIS HAS NOT BEEN PERFORMED THEN THESE PLANS ARE VOID.



CIVIL DESIGN

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No.	Date	Revision	By
1	3/6/17	PER STATE COMMENTS	JBC
2	4/4/17	PER STATE COMMENTS	JBC
3			
4			
5			
6			

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Scale:	N.T.S.	Title:	TITLE SHEET
Date:	JAN 10, 2017	Registration No.:	8619
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		Sheet No.:	1.00

Date: 4/4/17
MICHAEL R. JOHNSON, P.E.