

# MORRISTOWN (PROJECT #F029-1(2) C/1)

## MORRISTOWN, VERMONT

**GENERAL NOTES:**

**DESIGN PROVISIONS:**

- THE FOLLOWING EFFECTIVE STRENGTH PARAMETERS WERE ASSUMED IN THE PREPARATION OF THE STRUCTURAL CALCULATIONS FOR THE RETAINING WALL SYSTEM:

	$\phi$	c	$\gamma$	SOIL TYPE
REINFORCED SOIL	34°	0 kPa	19 KN/M <sup>3</sup>	SELECT GRANULAR
RETAINED SOIL	32°	0 kPa	19 KN/M <sup>3</sup>	SANDY SILT
FOUNDATION SOIL	32°	0 kPa	19 KN/M <sup>3</sup>	SANDY SILT

SOIL TYPES AND DESIGN PROPERTIES SHALL BE CONFIRMED BY THE SITE GEOTECHNICAL ENGINEER PRIOR TO WALL CONSTRUCTION.

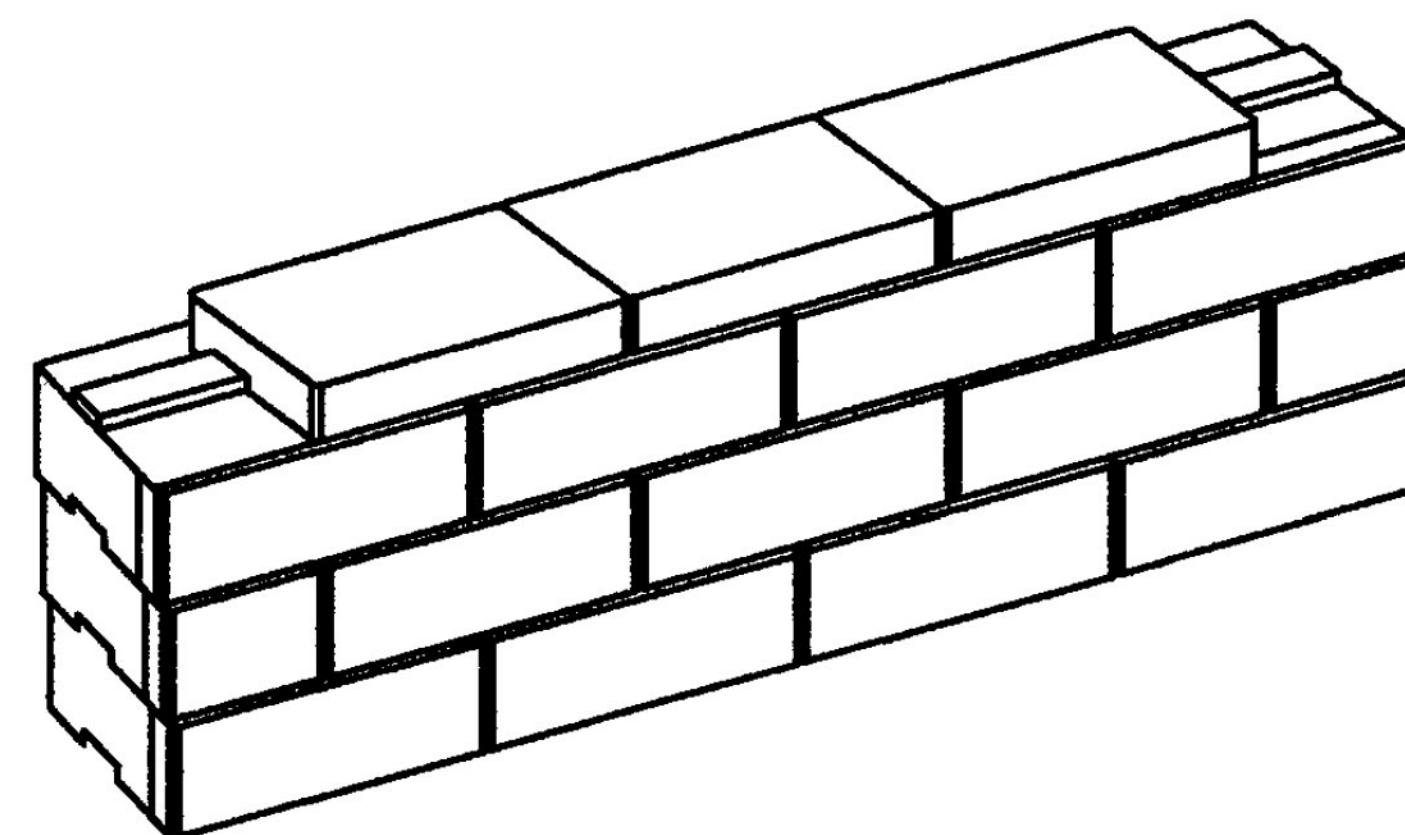
- THE WALL IS DESIGNED TO SUPPORT THE FOLLOWING MAXIMUM SURCHARGE LOADINGS:

LIVE LOAD: 13.4 kPa  
 DEAD LOAD: NONE  
 BACK SLOPE: NONE  
 SEISMIC: NOT APPLICABLE  
 HYDROSTATIC: NOT APPLICABLE

- THE FOUNDATION SOILS AT THE WALL LOCATIONS SHALL BE CAPABLE OF SAFELY SUPPORTING 175 kPa WITHOUT FAILURE OR EXCESSIVE SETTLEMENT. LOCAL BEARING CAPACITY SHALL BE CONFIRMED BY THE SITE GEOTECHNICAL ENGINEER AFTER FOUNDATION EXCAVATION AND PRIOR TO WALL CONSTRUCTION.

**SUGGESTED QUALITY ASSURANCE PROVISIONS:**

- 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.



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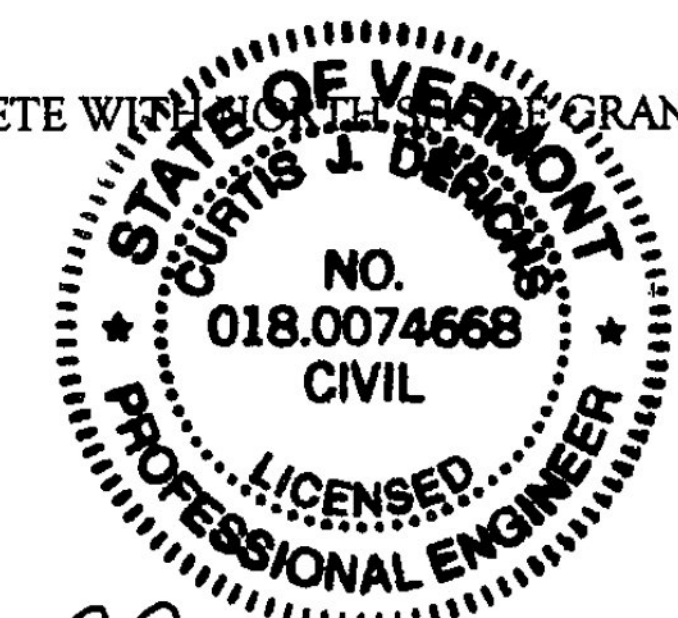
**GENERAL NOTES:**

**SUGGESTED QUALITY ASSURANCE PROVISIONS:**

- THE FOUNDATION SOILS AT THE BASE OF THE WALL 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.
- 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.
- WALL BACKFILL MATERIAL SHALL BE TESTED AND APPROVED BY THE ENGINEER, MEETING THE MINIMUM REQUIREMENTS OF THE APPROVED DESIGN PLANS OR SPECIFICATIONS.
- ALL SOIL BACKFILL SHALL BE TESTED BY THE GEOTECHNICAL ENGINEER FOR MOISTURE, DENSITY, AND COMPACTION PERIODICALLY (EVERY 610 mm VERTICALLY, 30 m-60 m C/C) MEETING THE MINIMUM REQUIREMENTS OF THE APPROVED DESIGN PLANS OR SPECIFICATIONS.
- 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.
- 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.

**MANUFACTURING PROVISIONS:**

- THE BLOCK SHALL RECON 50 SERIES BE AS MANUFACTURED BY S.D. IRELAND COMPANIES.
- COLORING SHALL BE NATURAL CONCRETE WITH GRANITE TEXTURE.



*Curtis J. Derichs*  
 Curtis J. Derichs, P.E.

Date: 4/11/12

No.	Date	Revision	By
1	8/20/10	REVISIONS PER REVIEW COMMENTS	ACM
2	1/30/12	REVISIONS PER REVIEW COMMENTS	CJD
3	3/15/12	REVISIONS PER REVIEW COMMENTS	CJD
4	4/11/12	REVISIONS PER REVIEW COMMENTS	CJD
5			
6			

Designed By: CJD	Project: MORRISTOWN (PROJECT #F029-1(2) C/1) MORRISTOWN, VERMONT	Registration No: 74668
Scale: N/A		Project No: 12-016
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