CLAREMONT OVERLOOK
5600 WASHINGTON BLVD., ELKRIDGE, HOWARD COUNTY, MD

CORNERSTONE RETAINING WALL DESIGN

RYAN & ASSOCIATES
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SPECIALIZING IN STRUCTURAL ENGINEERING,
GEOENGINEERING AND RETAINING WALLS
www.ryanandassociates.net

Scope: The retaining wall engineer's (Ryan & Associates) scope consists of preparing the wall design to enable the contractor to obtain necessary permits and properly construct the wall. The design considers the internal and local forces on the wall, environmental conditions, and any applicable code requirements. The work includes all professional services related to engineering, bidding, and construction administration. The engineer is responsible for the design, engineering function and these specifications. Services outside this scope such as responding to the owner's engineering firm (civil, structural, geotechnical or otherwise), provision of quality control testing & inspection, certification of wall construction, investigation of failed or non-compressing walls or any other services may be provided on a time & materials basis or for a negotiated fee.

The scope of Ryan & Associates (RA) for this project does not include wall demolition or any other civil engineering/surveying.

Contactor's Responsibility: This design has been done in an effort to achieve the required grade changes shown on the site plans for this project. The contractor must verify the accuracy of this design by comparing it to the civil engineer's plans and must account for any variations from the plans.

Rak will not be responsible for correcting a wall that is being built or has been built incorrectly due to this design being followed rather than the civil drawings.

Stormwater Management: The segmental retaining wall is not a stormwater management structure (unless designed as a "water application"). Therefore, it is absolutely essential that surface water be properly drained from entering and/or ponding above the wall's reinforced geotextile zone. It is usually accomplished by the inclusion of a curb or drainage pipe extending from the wall and leading to a low area. The drainage pipes may be installed by the contractor or by the designer. Flow from the top or side of the wall through openings or through areas of the wall must be properly drained. Permeable materials such as clay (CL, GC or SC) or low permeable soils (CL, OC) are not recommended. The engineer should specify the type of drainage required. This is a typical problem with drainage. The engineer should specify the type of drainage required. This is a typical problem with drainage. The engineer should specify the type of drainage required. This is a typical problem with drainage. 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INSTALLATION MUST CONFORM TO THE ATTACHED "Ryan & Associates' segmental retaining wall specifications and installation guidelines for Cornerstone".

Sheet Index:
Sheet 24 - Cover Sheet
Sheet 25 - Wall Plans/Profile, Structural Notes & Load Table
Sheet 26 - Typical Sections & Details
Sheet 27 - Specifications

Project: Claremont Overlook
Location: 5600 Washington Blvd., Elkridge, Howard County, MD

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Ryan & Associates
A Division of WBD Consulting Inc.
Consulting & Design Engineers
Structural - Retaining Walls - Construction Review

CORNERTONE BLOCK RETAINING WALL DESIGN SPECIFICATIONS
CLAREMONT OVERLOOK
5300 WASHINGTON BLVD., ELKRIDGE, HOWARD CNTY., MD

AS-BUILT INFORMATION ON THIS SHEET.

APPROVED DEPARTMENT OF PUBLIC WORKS

APPROVED DEPARTMENT OF PLANNING AND ZONING

Sheets:
1. Specification
2. Foundation Design
3. Retaining Wall Design
4. Drainage Design
5. Landscape Design
6. Structural Design

SHEET
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AS-BUILT INFORMATION ON THIS SHEET.

No AS-BUILT INFORMATION ON THIS SHEET.