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3. THE GENERAL CONTRACTOR SHALL PROVIDE THE SEGMENTAL RETAINING WALL SYSTEM DESIGN AND SUPPORTING SOILS AND SEALED STRUCTURAL CALCULATIONS TO THE OWNER PRIOR TO THE START OF WORK. THE DESIGN SUBMITTED SHALL BE BASED ON SOIL PROFILES, SLOPE RATIOS, AND LOADINGS AS SPECIFIED IN THE GENERAL CONTRACT. BASED ON THE DESIGNER'S REVIEW OF THE CONTRACTING ENGINEER/MANUFACTURER SHALL PROVIDE WALL DESIGN AND ANALYSES UTILIZING SURV COMPUTER SOFTWARE.

NOTARIZED CERTIFICATE FROM GENERAL CONTRACTOR SHALL BE PROVIDED TO THE OWNER PRIOR TO START OF WORK STATING THAT THE DESIGN SUBMITTED IS TRUE AND CORRECT.

4. SUBMITTAL PACKAGES TO OWNER SHALL INCLUDE THE FOLLOWING:

1. PRODUCT LITERATURE INDICATING SPECIFICALLY WHICH SEGMENTAL RETAINING WALL UNITS ARE PROPOSED FOR USE ON PROJECT, INCLUDING COLOR, FACE STYLE AND TEXTURE.

2. PRODUCT SPECIFICATIONS INDICATING COMPRESSIVE STRENGTH, UNIT WEIGHT, MAX AND PERCENT ABSORPTION FOR THE UNITS PROPOSED.

3. RETAINING WALL DRAWINGS SHOWING COMPLETE WALL PROFILES, REINFORCEMENT ELEVATIONS, REINFORCEMENT LENGTHS, REINFORCEMENT TYPES, TOP OF WALL, BOTTOM OF WALL, PROPOSED GRADINGS AT TOP OF WALL, PROPOSED GRADINGS AT BOTTOM OF WALL, AND STATINGS SHOWING BEGINNING AND END OF WALL AS WELL AS BEGINNING AND END OF TURNS AND RADII. DRAWINGS SHALL INCLUDE DETAIL DRAWINGS FOR FACING CONNECTIONS, WALL PENE TRATIONS, GUARD RAILS, HAND RAILS, LEVELING PAD, DRAINAGE SCALES, TYPICAL SECTIONS AND CONSTRUCTION DETAILS.

4. RETAINING WALL DRAWINGS SHALL SHOW DESIGN PARAMETERS FOR RETAINING WALL. REQUIRED BEARING CAPACITY & FOUNDATION PROPERTIES SHALL BE PROVIDED PRIOR TO PROCEEDING WITH DESIGN OF AGAINST BEARING CAPACITY FAILURES.

5. RETAINING WALL DRAWINGS SHALL BE ACCOMPANIED BY A COMPLETE SET OF CONSTRUCTION SPECIFICATIONS.

6. RETAINING WALL DRAWINGS AND SPECIFICATIONS SHALL BE ACCOMPANIED BY ENGINEER'S/MANUFACTURER'S DESIGN CALCULATIONS AND/OR COMPUTER OUTPUT ADDRESSING REQUIRED DESIGN PARAMETERS ACCORDING TO NATIONAL CONCRETE MASONRY INSTITUTE RECOMMENDATIONS.

7. SOIL DESIGN PARAMETERS SHALL BE AS PROVIDED IN THE MANUFACTURER'S CONSTRUCTION DOCUMENTS. WALL DESIGN ENGINEER/MANUFACTURER OF RECORD SHALL BE RESPONSIBLE FOR SELECTING AND SPECIFYING REINFORCED FILL MATERIAL. GENERAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND DOCUMENTING THE REINFORCED FILL MEETS THE SPECIFIED PARAMETERS FOR BOTH SOILS AND REINFORCED FILL.

8. DESIGN FOR SLOWS USING EXTENSIBLE (GEOSYNTHETIC) REINFORCEMENT SHALL BE PREPARED ACCORDING TO DESIGN METHODOLOGY PRESENTED IN NATIONAL CONCRETE MASONRY ASSOCIATION DESIGN MANUAL FOR SEGMENTAL RETAINING WALLS* AND CONFORM TO THE REQUIREMENTS OF THE NATIONAL CONCRETE MASONRY ASSOCIATION. RIGHTS IN DETERMINING COMPLIANCE FOR PLAN APPROVAL AND MAY EXCEED ANY SUBMITTALS.

9. RETAINING WALL UNITS, REINFORCING, AND ACCESSORIES SHALL BE SUPPLIED AS INDICATED BY UNITS PRODUCED UNDER LICENSE FROM SURV COMPUTER SOFTWARE. ANY VARIATION FROM THE SPECIFIED REQUIREMENTS OF LICENSED SYSTEM WITH REGARD TO CAPACITY TO SUPPLY PRODUCT TO SITE IN TIMELY MANNER, MATERIALS SHALL BE STORED AS REQUIRED TO PREVENT DAMAGE AND WASTAGE.

10. ACCEPTABLE RETAINAGE SYSTEMS INCLUDE THE FOLLOWING PRODUCTS OR APPROVED EQUAL:

1. REINFORCED EARTH® RETAINING WALL UNITS AS MANUFACTURED BY LICENSED DISTRIBUTOR FOR THE REINFORCED EARTH COMPANY, BIRMINGHAM, TEXAS.

2. KEYSTONE® RETAINING WALL UNITS AS MANUFACTURED BY LICENSED DISTRIBUTOR FOR KEYSTONE RETAINING WALL SYSTEMS, INC., MINNEAPOLIS, MINNESOTA.

3. VERSA-LOK® RETAINING WALL UNITS AS MANUFACTURED BY LICENSED DISTRIBUTOR FOR VERSA-LOK RETAINING WALL SYSTEMS, NORTH ST. PAUL, MINNESOTA.

4. MESA RETAINING WALL UNITS AS MANUFACTURED BY LICENSED DISTRIBUTOR FOR MESA RETAINING WALL SYSTEMS, CARLEB, NEW HAMPSHIRE.

5. ROCKWOOD RETAINING WALL UNITS AS MANUFACTURED BY LICENSED DISTRIBUTOR FOR ROCKWOOD RETAINING WALLS, INC., ROCHESTER, MINNESOTA.

6. ANCHOR WALLS UNITS AS MANUFACTURED BY LICENSED DISTRIBUTOR FOR ANCHOR WALL SYSTEMS, MINNETONKA, MINNESOTA.

7. GENERAL CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR THE DESIGN AND CONSTRUCTION OF ALL SEGMENTAL RETAINING WALLS AS SHOWN IN THE CONSTRUCTION DOCUMENTS. CIL ENGINEERING ASSUMES, INC. ASSUMES NO LIABILITY OR RESPONSIBILITY FOR DESIGN OR CONSTRUCTION OF ANY RETAINING WALL SYSTEMS.

N.T.S.

