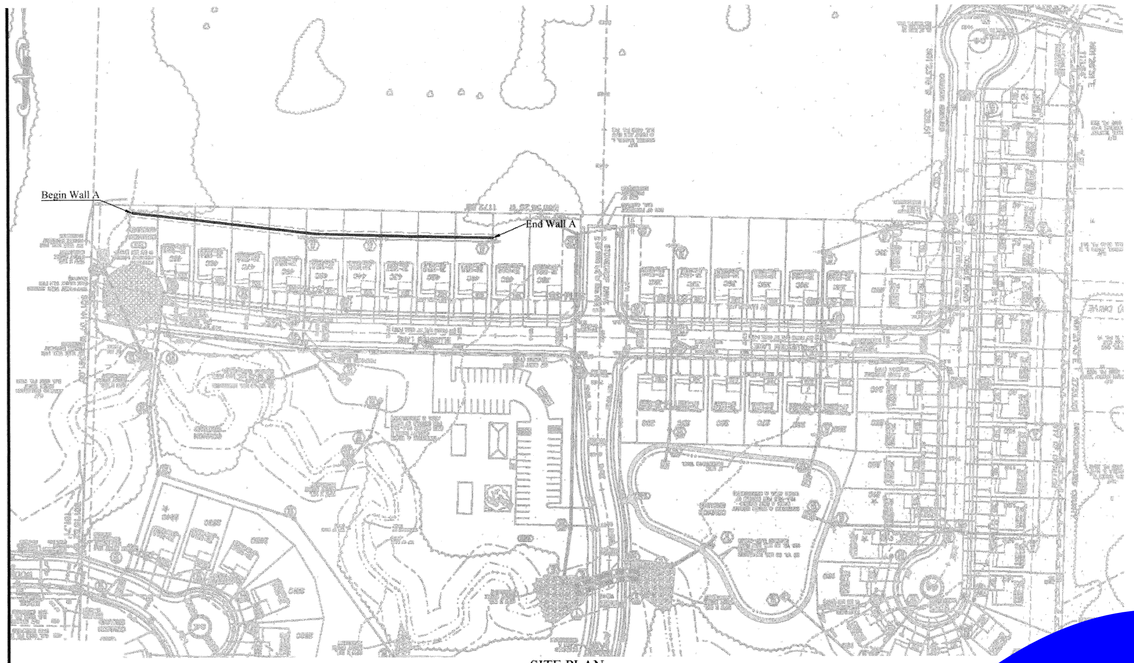
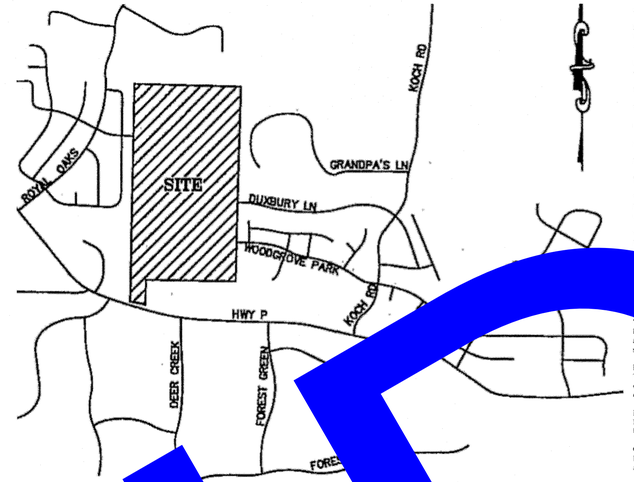


SITE PLAN
SCALE: 1"=100'-0"



LOCATION M
SCALE:

retaining wall manufacturer's construction recommendations and/or as noted herein.

Materials
The **Leveling Pad** shall be constructed 1" minus or clean compacted by at least 4 passes with a vibratory compactor with minimum dimensions of 6" thick and 24" wide.

Retaining Wall Units shall be Rockwood Classic or equal. Units must be 12" deep. Concrete wall units shall meet the requirements of ASTM C90-90 and compressive strength shall be a minimum of 3000 psi. The maximum water adsorption shall be limited to 8.0 percent.

The **block unit fill** material shall be 1" clean crushed limestone.

The **reinforced wall backfill** material shall be crushed limestone 1"-2" minus or screenings, placed in 8" max lifts & compacted to at least 95% standard proctor.

Geogrid shall be Geostar HP200 as indicated on the plan, or approved equivalent.

Filter Fabric shall be Mirafi 140N or approved equivalent.

Drain Tile shall be 4" HDPE, perforated.

The **Soil Cap** shall consist of compacted low plastic impervious soil above the granular backfill in areas not to be paved.

Wall Foundation Excavation
Foundation soil shall be excavated as required for the leveling pads and the reinforcing zone. Any soils that are soft, plastic (LL > 50%), frozen, or wet and untested fills shall be removed and recompacted to 90% modified Proctor under the direction of the geotechnical engineer.

Wall Construction
Install toe first course of units on the leveling pad. Install the next course in a running bond stack. Adjust for setback per course. Backfill, install reinforcement as [illegible] and continue construction. Filter fabric shall separate the granular backfill from the retained soil and the soil cap. Filter fabric shall not cover the [illegible] materials.

[illegible] the design lengths "L" and placed between the blocks at the elevations shown on the plans. The geogrid's primary strength direction [illegible] fill face (into the fill). The geogrid shall be placed horizontally and laid flat on the reinforcing fill material. The geogrid shall be [illegible] grid is between the block layers. Slack in the geogrid shall be removed prior to placing backfill.

Wa
Backfill [illegible] 24" lifts and compacted. Backfill shall be placed , spread and compacted in such a manner that minimizes wrinkles and movement [illegible] fill placement only hand operated equipment shall be used in the 4' zone directly behind the wall. The front of the wall shall be backfill[illegible] grade.

Protection of Work
The surfaces surrounding [illegible] the end of each day to provide positive drainage away from the wall. Grading shall include proper contouring of fills in adjacent areas to [illegible] ve surface water toward the wall. Finish grading should be completed in accordance with the approved site development plan.

Miscellaneous
If a fence or guardrail is be instal[illegible] ll under a seperate plan. We recommend that PVC or sonotube sleeves be placed as the wall is being backfilled to prevent a need to exca[illegible] construction which could damage the geogrid.

General Notes
Existing utilities are not shown. The co[illegible] l protect all utilities. The contractor shall notify Engineering Solutions, P.C. of any utility conflict affecting this work.

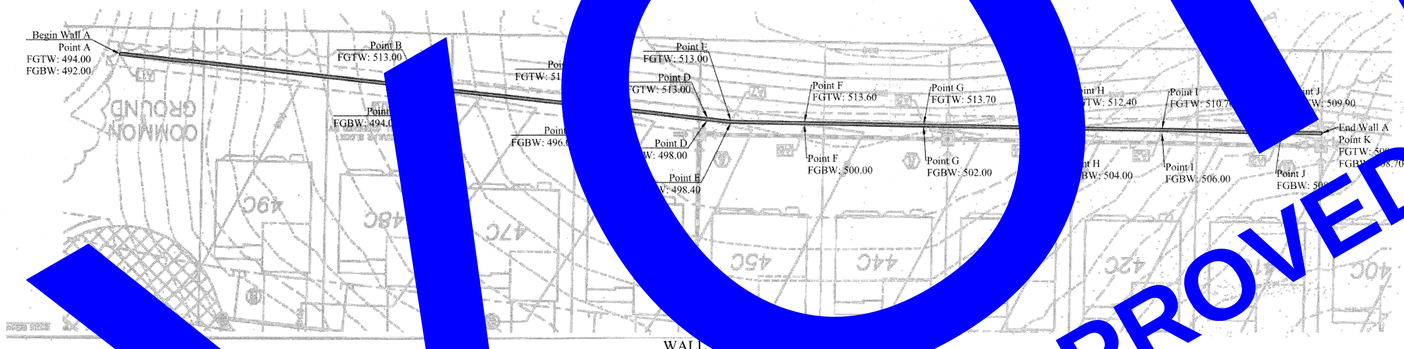
Unless otherwise noted all temporary sho[illegible] onsibility of the contractor under a separate design.

All job site worker and public safety is stri[illegible] of the contractor. The contractor shall ceenply with all OSHA regulations & requirements.

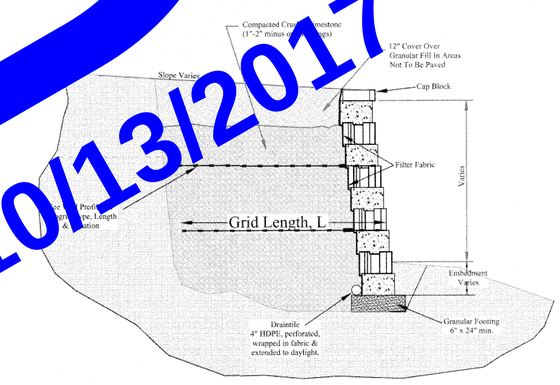
Engineering Solutions, P.C. is available up[illegible] construction compliance with this plan. Please notify Engineering Solutions, P.C. in advance of the work if field inspection is requested.

The Owner or Owner's Representative i[illegible] uring that construction by others adjacent to the wall does not disturb the wall or place temporary construction loads on the wa[illegible] loads, including loads such as water pressure, temporary grades, or equipment loading. Heavy paving or grading equipment sh[illegible] m of 3 feet behind the back of the wall face. Equipment with wheel loads in excess of 150 psf live load shall not be operated within [illegible] he retaining wall during construction adjacent to the wall. Care should be taken by the Owner or Owner's Representative to [illegible] s directed away from the wall structure until final grading and surfi ce drainage collection systems are completed.

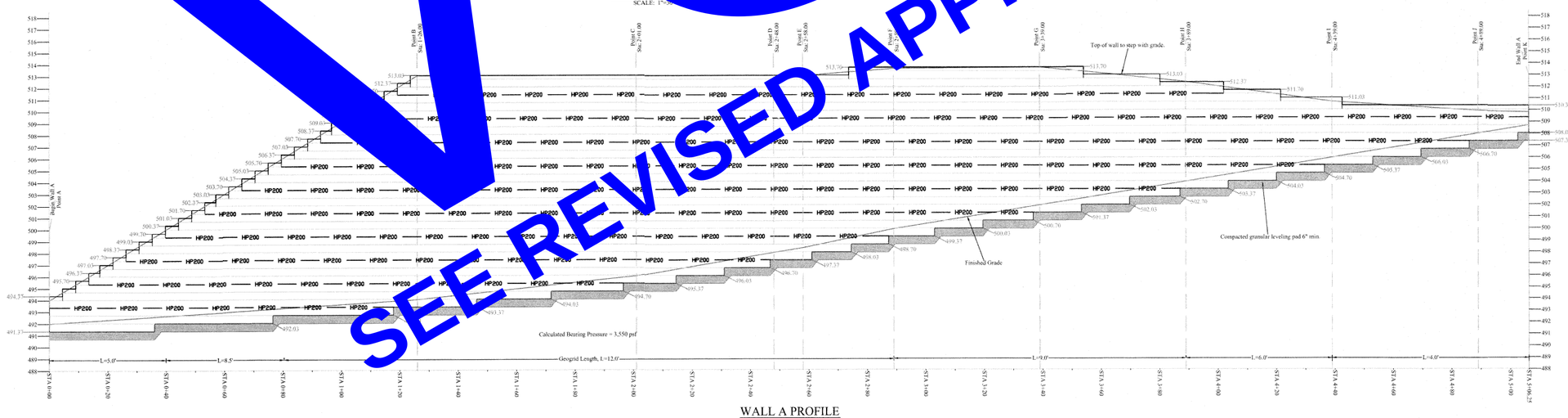
Global stability and settlement are o[illegible] his design.



WALL A
SCALE: 1"=20'



REINFORCED BLOCK WALL
SCALE: NTS



WALL A PROFILE
SCALE: 1"=5' vert.
1"=20' horiz.

Solutions, P.C.
5393 Old Baumgartner Rd
St Louis, Mo. 63129
Phone (314) 280-7748
Mo State Certificate of Authority #P00565746

Retaining Wall Solutions, inc.
phone (314) 842-8200 fax (314) 842-8201
www.retainingwallsolutions.net

Retaining Wall Plan
COBBLESTONE CROSSING
O'Fallon, Missouri

Date: 4/17/17

Revisions

#	Description	Date

STATE OF MISSOURI
MICHAEL JAMES YOUNT
NUMBER PE-2003001121
PROFESSIONAL ENGINEER
4/17/17
Michael James Yount - Engineer
Mo# PE-2003001121

Sheet:
RW 1 of 1

OLD
VOID
SEE REVISED APPROVED 10/13/2017