

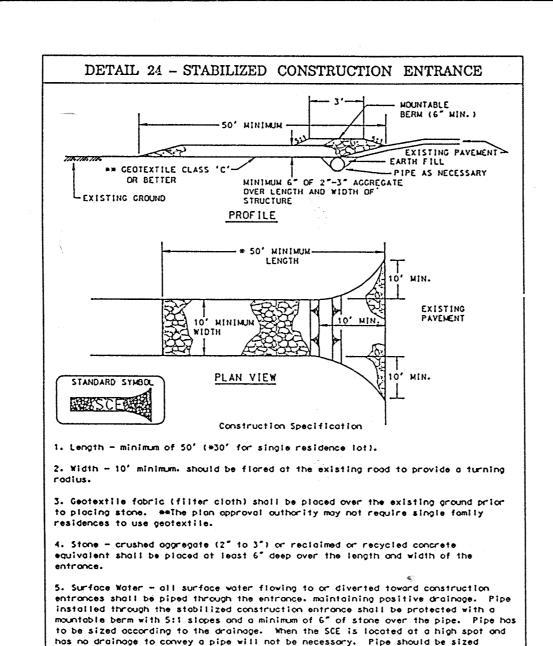
	DRY WELL CHART			
LOT NO.	AREA REQUIRED	AREA PROVIDED	NO. OF WELLS	SIZE OF WELLS
17	312 SQ. FT.	338 SQ. FT.	2	6.5'x6.5'x4'
18	312 SQ. FT.	338 SQ. FT.	2	6.5'x6.5'x4'
19	312 SQ. FT.	338 SQ. FT.	2	6.5'x6.5'x4'

# TYPICAL DRY WELL CROSS SECTION

SCHEDULE A PERI	METER LANDSCAP	E EDGE	
Category	Adjacent to Roadways	Adjacent to Perimeter Properties	
Landscape Type		A	
Linear Feet of Perimeter		386'	
Credit for Existing Vegetation (Yes, No, Linear Feet) (Describe below if needed)		63'	
Credit for Wall, Fence or Berm (Yes, NO, Linear Feet) (Describe below if needed)		-	
Number of Plants Required Shade Trees Evergreen Trees Shrubs		(BASED ON 323) 5	
Number of Plants Provided Shade Trees Evergreen trees Other Trees (2:1 substitution) Shrubs (10:1 substitution) (Describe plant substitution credits below if needed)	-	5	

PLANT LIST KEY QNTY PLANT NAME SIZE REMARKS ACER RUBRUM 2/2"3"C B&B Red Maple

APPROVED: DEPARTMENT OF PLANNING AND ZONING



according to the amount of runoff to be conveyed. A 6." minimum will be required.

6. Location - A stabilized construction entrance shall be located at every point

U.S. DEPARTMENT OF AGRICULTURE

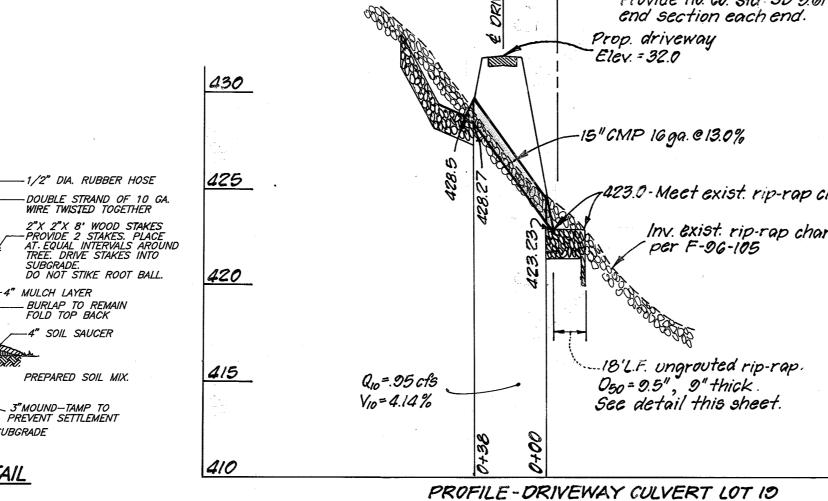
SOIL CONSERVATION SERVICE

where construction traffic enters or leaves a construction site. Vehicles leaving

the site must travel over the entire length of the stabilized construction entrance

PAGE MARYLAND DEPARTMENT OF ENVIRONMENT P - 17 - 3 WATER MANAGEMENT ADMINISTRATION

DETAIL 30 - EROSION CONTROL MATTING CROSS-SECTION STAPLE DUTSIDE -EDGE OF NATTING ON 2' CENTERS TO TYPICAL STAPLES NO. 11 U.S. DEPARTMENT OF AGRICULTURE PAGE. HARYLAND DEPARTMENT OF ENVIRONMENT
SDIL CONSERVATION SERVICE G - 22 - 2 VATER MANAGEMENT ADMINISTRATION



HOWARD U.S. Natural Resources Conservation Service

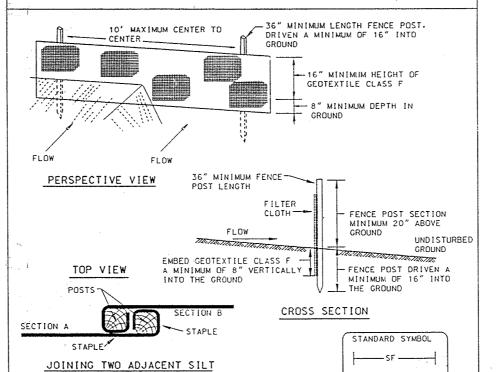
SUBGRADE

-APPROX.12"

PLANTING DETAIL

NO SCALE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.



DETAIL 22 - SILT FENCE

FENCE SECTIONS Construction Specifications . Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be  $1^{1}/2^{\prime\prime}$  x  $1^{1}/2^{\prime\prime}$  square (minimum) cut, or  $1^{3}/4^{\prime\prime}$  diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighting not less than 1.00 pond per linear foot 2. Geotextile shall be fastened securely to each fence post with wire ties or stables at top and mid-section and shall meet the following requirements

Test: MSMT 509 Tensile Strength 50 lbs/in (min.) Test: MSMT 509 Tensile Modulus 20 lbs/in (min.) 0.3 gal ft2/ minute (max.) Test: MSMT 322 Flow Rate Filtering Efficiency 75% (min.) Test: MSMT 322 3. Where ends of geotextile fabric come together, they shall be overlapped.

folded and stanled to prevent sediment bypass 4. Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height. U.S. DEPARTMENT OF AGRICULTURE PAGE MARYLAND DEPARTMENT OF ENVIRONMENT

SOIL CONSERVATION SERVICE

E - 15 - 3

WATER MANAGEMENT ADMINISTRATION

HIGHLY VISABLE FLAGGING USE 2" X 4" LUMBER FOR ANCHOR POSTS SHOULD BE MINIMUM 2" STEEL "U" CHANNEL OR 2" X 2" TIMBER, 6" IN LENGTH, MAXIMUM 8 FEET ANCHOR POSTS MUST BE INSTALLED TO A DEPTH OF NO LESS THAN 1/3 OF THE TOTAL HEIGHT OF THE POST. USE B' WIRE "U" TO SECURE FENCE BOTTOM.

NOIES:

1. Forest protection device only.

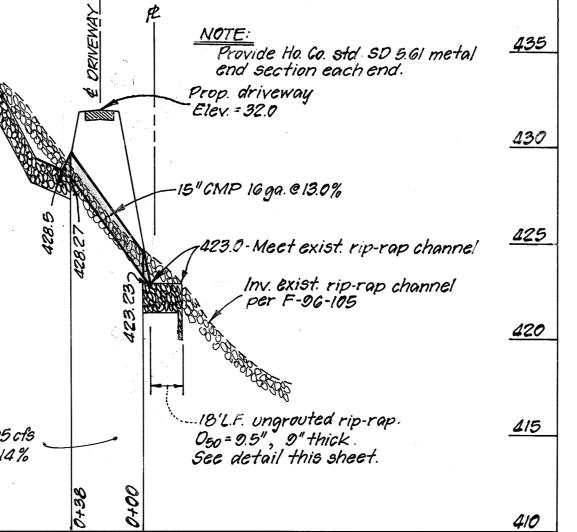
2. Retention area will be set as part of the review process.

3. Boundaries of retention area should be staked and flagged prior to installing device.

4. Root damage should be avoided.

5. Protection signage may also be used.

6. Device should be maintained throughout construction. BLAZE ORANGE PLASTIC MESH TYPICAL TREE PROTECTION FENCE DETAIL



Scale = Horiz: 1"=50' Vert: 1"=5'

## DEVELOPER'S/BUILDER'S CERTIFICATE

"I/We certify that all development and construction will be done according to this plan of development and plan for sediment and erosion control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed



### PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously

SOIL AMENDMENTS: In lieu of soil test recommendations, use one of the following schedules:

1) Preferred-Apply 2 tons per acre dolomitic limestone (92 lbs/ 100 sq.ft.) and 600 lbs per acre 10-10-10 fertilizer (14 lbs./ 1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil. At the time of seeding, apply 400 lbs. per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq.ft.)

2) Acceptable-Apply 2 tons per acre dolomatic limestone (92 lbs/ 1000 sq.ft.) and apply 1000 lbs. per acre 10-10-10- fertilizer (23 lbs./1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil.

SEEDING: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs/1000 sq.ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (.05 lbs./1000 sq.ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) 2 tons per acre well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored

MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sa. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq.ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq.ft.) for anchoring.

MAINTENANCE: Inspect all seeded areas and make needed repairs, replacements and reseedings.

### TEMPORARY SEEDING NOTES

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously

SOIL AMENDMENTS: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft).

SEEDING: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushel per acre of annual rye (3.2) lbs./1000 sq.ft.) For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (.07 lbs./1000 sq.ft.). For the period November 1 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

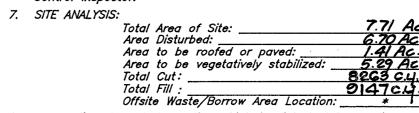
MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq.ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq.ft.) for anchoring.

REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT

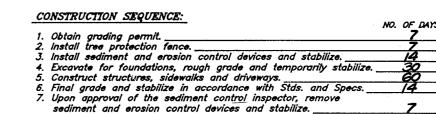
> - UNGROUTED RIP RAP (SEE PROFILE FOR STONE SIZE AND THICKNESS AND TABLE THIS SHEET.)

## SEDIMENT AND EROSION CONTROL NOTES

- 1. A minimum of 48 hours notice must be given to the Howard County Department of Inspections, Licenses and Permits,
- 2. All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1994 MARYLAND STANDARDS AND SPECS.
- 3. Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control stuctures, dikes, perimeter slopes and all slopes greater than 3:1
- b) 14 days as to all other disturbed or graded areas on the 4. All sediment traps/basins shown must be fenced and warning signs posted around their perimeters in accordance with Vol.1.
- 5. All disturbed areas must be stabilized within the time period ARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT
- CONTROL for permanent seedings, sod, temporary seeding and mulching (Sec G). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of arasses.
- to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.

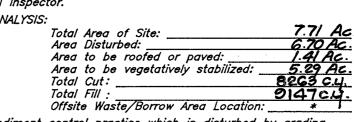


- sary by the Howard County DPW Sediment Control Inspector. 10. On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is
- 11. Trenches for the construction of utilities is limited to three pipe lengths or that which shall be back-filled and stabilized within one working day, whichever is shorter.
- 12. The total amount of silt fence = GIS LF Super Silt Fence 1175 LF
- spoil/borrow site and notify and gain approval from the sediment control inspector of the site and it's grading permit number at the time of construction



NOTE: The builder is responsible for cleaning all sediment from the receiving

- Sediment Control Division prior to the start of any construction
- FOR SOIL EROSION AND SEDIMENT CONTROL and revisions thereto. To provide a suitable soil medium for vegetable growth. Soils of concern have low moisture content, low nutrient
- Chapter 7, of the HOWARD COUNTY DESIGN MANUAL, Storm
- specified above, in accordance with the 1994 MARYLAND STAND-
- 6. All sediment control structures are to remain in place and are



- 8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- 9. Additional sediment control must be provided, if deemed neces-

- \* It is the responsibility of the contractor to identify the

CONSTRUCTION SEQUENCE:	NO. OF DAYS
1. Obtain grading permit.	
2. Install tree protection fence.	7
3. Install sediment and erosion control devices and stabilize.	14
4. Excavate for foundations, rough grade and temporarily stabilize	. 30
5. Construct structures, sidewalks and driveways.	60
6. Final grade and stabilize in accordance with Stds. and Specs.	14
7. Upon approval of the sediment control inspector, remove	

Tempordry Sediment Basin generated from implementation of this plan

# **Definition**

<u>FOR</u> **TOPSOIL** 

21.0 STANDARDS AND SPECIFICATIONS

Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation <u>Purpose</u>

#### levels, low pH, materials toxic to plants, and/or unacceptable soil gradation. Conditions Where Practice Applies

I. This practice is limited to areas having 2:1 or flatter

a. The texture of the exposed subsoil/parent material

is not adequate to produce vegetative growth. b. The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish

continuing supplies of moisture and plant nutrients. The original soil to be vegetated contains material toxic to plant growth.

#### d. The soil is so acidic that treatment with limestone is not feasible.

II. For the purpose of these Standards and Specifications. areas having slopes steeper than 2:1 require special consideration and design for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate stabilization shown on the plans.

Construction and Material Specifications I. Topsoil salvaged from the existing site may be used provided that it meets the standards as set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey

#### II. Topsoil Specifications — Soil to be used as topsoil must meet the following:

published by USDA-SCS in cooperation with Maryland

Agricultural Experimental Station.

- i. Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or a soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting textured subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger that 1 and 1/2" in
- ii. Topsoil must be free of plants or plant parts such as Bermuda grass, quackgrass, Johnsongrass, nutsedge, poison ivy. thistle, or others as specified.
- iii. Where the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil. Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.
- II. For sites having disturbed areas under 5 acres:

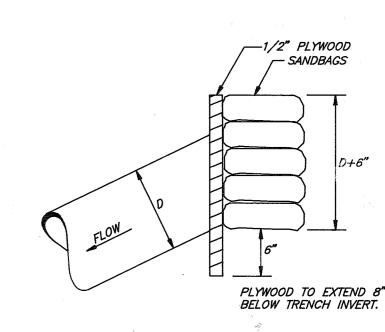
#### i. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization Section I - Vegetative Stabilization Methods and Materials. V. Topsoil Application

i. When topsoiling, maintain needed erosion and sediment control practices such as diversions, Grade Stabilization Structures, Earth Dikes, Slope Silt Fence and Sediment Trans and Basins

ii. Grades on the areas to be topsoiled, which have been previously established, shall be maintained, albeit 4" - 8" higher in elevation.

iii. Topsoil shall be uniformly distributed in a 4" -8" layer and lightly compacted to a minimum ...ckness of 4". Spreading shall be performed in such a mann r that sedding or seeding can proceed with a minimum of additional soil preparation and tillage. Any irregularities in the surface resulting from topsoiling or other operations shall be corrected in order to prevent the formation of depressions or water pockets.

iv. Topsoil shall not be place while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet or in a condition that may otherwise be detrimental to proper grading and seedbed preparation.



CULVERT BLOCKING DETAIL NO SCALE

CLARK • FINEFROCK & SACKETT, INC.

ENGINEERS • PLANNERS • SURVEYORS

LOTS 10 THRU 18, 20 THRU 30 AND 33

7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH

SEDIMENT AND EROSION CONTROL PLAN

## OWNER / DEVELOPER

LOT I IMPROVEMENT CORPORATION 8835 P Columbia 100 Parkway Columbia, Maryland 21045



3 FT MIN. DEPTH ACROSS THE ENTIRE LENGTH OF THE

RIP RAP-SEE PLAN.

I hereby certify that this plan for Sediment and Erosion Control represents a practical and workable plan based on my personal knowledge of the site condtions and that it was prepared in accordance with the requirements of the Howard Soil Conserva-

POLYFILTER X OR APPROVED EQUAL FOR THE ENTIRE WIDTH OF THE RIP RAP:

POLYFILTER X OR APPROVED EQUAL FOR THE ENTIRE WIDTH OF THE RIP RAP.

UNGROUTED RIP RAP DETAILS

NO SCALE

ENGINEER'S CERTIFICATE

G. Nelson Clark

Added planting detail, plant list

REVISION

SECTION A-A

SECTION B-B

8-16-96 Date

DRAWN SECTION 3 ZH / PS CHECKED ZAL

JME

DATE

TAX MAP 35 P.O. PARCEL 353 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

FOR: RYAN HOMES 11460 CRONRIDGE DRIVE, SUITE 128 OWINGS MILLS, MARYLAND 21117

1"=30'

DRAWING

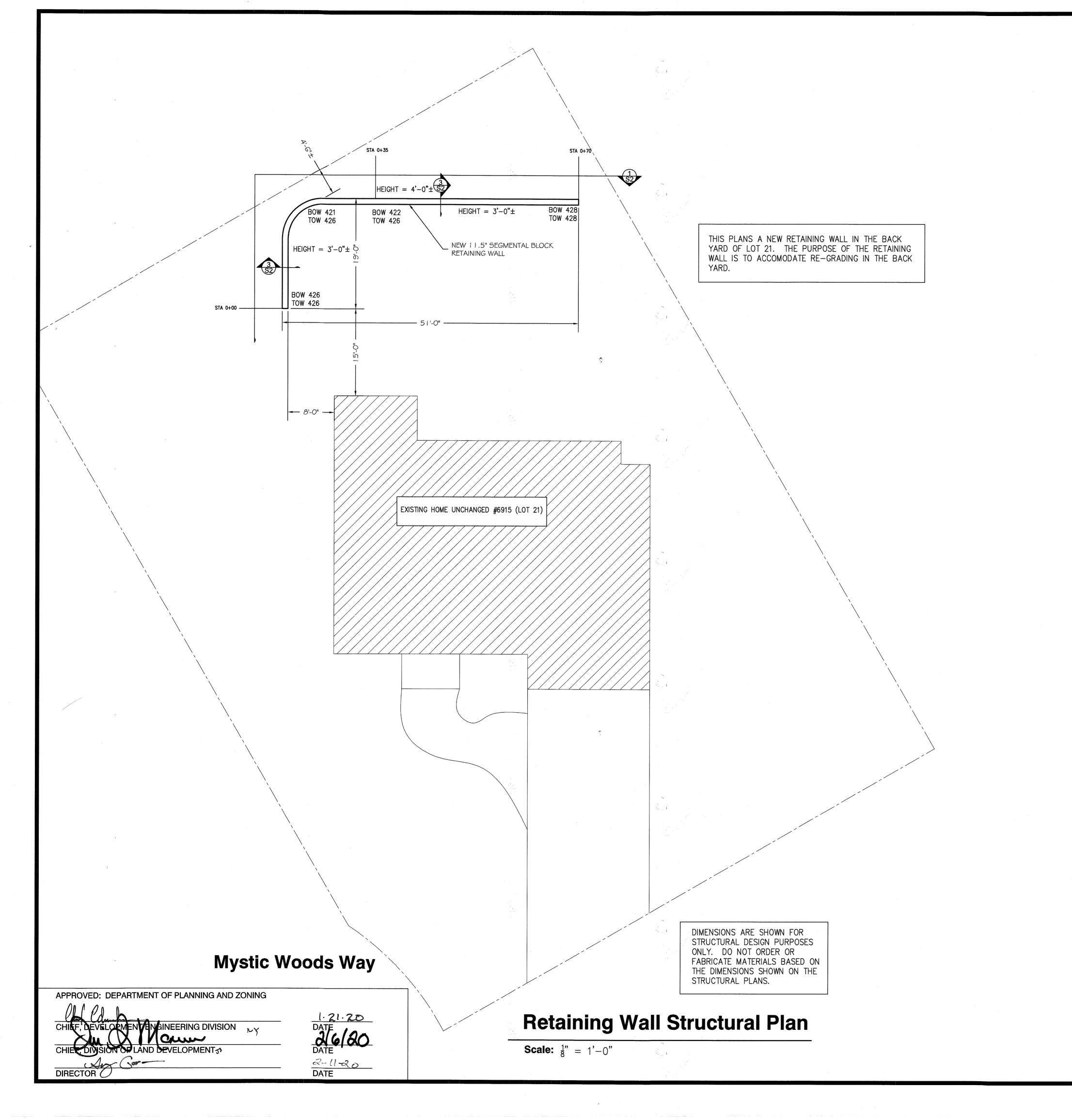
5 of 5

JOB NO.

FILE NO.

96-080

20-086SE



Structural Notes		
LOADS:		The state of the s
LIVE LOADS	60 PSF	AND
DECK: ATTIC:	20 PSF	
FLOOR:	40 PSF	The second section of the section
BEDROOM	30 PSF	
ROOF:	30 PSF	/ENGINEERING, Inc
WIND LOADS		
WIND SPEED:	Vult = 115mph; Vasd = 89mph	
WIND LOAD IMPORTANCE FACTOR:	1.0	
WIND EXPOSURE FACTOR:	В	8555 16th Street #200
WIND DESIGN PRESSURE:	11PSF	Silver Spring, MD 20910
SNOW_LOADS:		F8,
GROUND SNOW LOAD (PG):	30 PSF	004 767 0740
FLAT ROOF SNOW LOAD(PF):	20 PSF	301-565-0543
SNOW EXPOSURE FACTOR (CE):	0.9	301-563-9477 (fax)
SNOW IMPORTANCE FACTOR (I)	10	()

Revision / Issue

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 25427, Expiration Date: 7/17/20.



Dis 5th Election I Tax Map 25 I Howard Cou Resubdivion

B. Follow the manufacturer recommendations for setting epoxy bolts.C. Expansion bolts shall be RAWL Power Stud. A. Masonry construction shall be in conformance with the applicable sections of ACI

A. All prefabricated angles, bearing plates, and joist hangers shall be installed per the

530-13/ASCE5-13, "Specifications for Masonry Structures." B. Concrete masonry units shall be hollow load bearing units (ASTM C90) grade n-1 with a net strength of 2000 psi and F'm - 1500 psi. All joints to be filled solid with mortar.

Mortar to comply with ASTM C270 (type M or S). Place weep holes and expansion joints per the IRC Code. Place horizontal truss style reinforcement at 16" O.C. vertically. Cast in place concrete:

A. Concrete construction shall be in conformance with the applicable sections of ACI 318-14, "Part 3 - Construction Requirements." B. Footing concrete shall have a minimum compressive strength at 28 days of 3000 psi; Slab and Wall concrete Shall have a minimum 28 day compressive strength of 4500psi, UNO (unless

C. All concrete shall be placed with a slump of 4"  $(\pm \frac{1}{2}$ ") D. All concrete shall be normal weight, UNO. E. All concrete shall have 6% ±1% entrained air.

F. Concrete cover for reinforcement shall be:

Columns and beams

between trades.

SEISMIC IMPORTANCE FACTOR (Ie): SPECTRAL RESPONSE ACCELERATIONS:

SPECTRAL RESPONSE COEFFICIENTS:

SEISMIC MODIFICATION FACTOR (R):

revised by Howard County

SEISMIC DESIGN CATEGORY: SEISMIC SITE CLASSIFICATION:

SEISMIC COEFFICIENT (Cs):

ANALYSIS PROCEDURE:

Structural steel:

H. Connections:

Steel Deck

BASE SHEAR:

BASIC SFRS:

8.0%

33%

18.7%

0.22

Foundations: footings, underpinning and slab on grades are designed to bear on native soil with an allowable bearing pressure of 2000 psf. A qualified soil-bearing inspector prior to placement

A. All structural steel, including detail material shall conform to ASTM A572 Fy = 50 ksi, U.N.O.

E. All steel exposed to weather and exterior masonry support shall receiver one shop coat of

F. Detailing, fabrication and erection shall be in accordance with AISC. Adequately brace all steel

I. All beam connections shall be simple shear connections, U.N.O. Where no reaction is provided, the beam shall be assumed to carry 120 % of the allowable uniform load in Kips for beams

E. Side laps shall be a min. of 3". Weld side laps together with 5/8" Diameter puddle welds @ 36"

A. Lumber shall be SPF #2 with a min. Fb = 875 psi Min. Fv = 135 psi and min. E = 1,400,000 psi.

C. Nail all multiple members together per the manufacturers recommendations and at a minimum use 2-10d nails at 6" O.C. staggered. Glue multiple studs together and stagger the sides that

D. Provide bridging at center of all joist spans Exceeding 8'-0" and at 1/3 points of all joist spans

E. Exterior load bearing walls shall be 2x6 studs at 16" O.C. and interior load bearing walls shall be 2x4 studs @ 16"O.C. with a double top plate and a single bottom plate of the same size.

Provide solid blocking @ 4'-0" with a min. of solid blocking at the midpoint of the wall. F. Floor decking shall be  $\frac{3}{4}$ " APA rated decking and roof decking shall be 1/2"APA rated decking. Wall sheathing shall be  $\frac{1}{2}$ " APA rated sheathing. Glue and screw the decking to floor joists.

I. Glue and nail all multiple studs together with 2-10d nails at 6" O.C. stagger sides that nails are

L. All lumber in contact with masonry or concrete shall be pressure treated. All lumber placed within 8" of soil shall be pressure treated. All lumber shall be protected against decay and

exceeding 16'-0". Provide solid blocking at all bearing points on top of walls or beams. Provide

II. Except as noted, all fasteners shall be 3/4" diameter ASTM A325 bolts, designed to act in

1. All work and materials to comply with the requirements of the 2015. of IBC and IRC as

ACI 530-13/ASCE 5-13 Building Code Requirements for Masonry Structures.

D. All welders shop and field, shall be certified. Use E70xx electrodes only.

laterally supported, as given in the AISC steel construction manual.

D. Weld deck to steel supports with 5/8" Diameter puddle welds @ 12" O.C.

B. LVL and PSL shall have a min. Fb = 2850 psi; Fv = 285 psi; E = 2,000,000 psi.

Codes: the following design standards are applicable by reference:

ACI 318-14 Building Code Requirements for Reinforced Concrete

B. All structural tubing shall conform to ASTM A500, grd. B C. All steel pipe shall be ASTM A53, type E or S, grade B

G. All exterior structural steel shall receive rust preventative paint.

bearing type connections with threads included.

A. Steel deck shall be 20ga steel unless noted otherwise. B. Steel deck shall be continuous over supports with no end laps.

squash blocking below all posts and multiple studs.

G. All posts shall have Simpson Cap and Base Plates typ. H. All joists shall have Simpson Hangers where applicable.

M. See IRC table R602.3(1) for nailing not shown on the plans.

termites per IRC Chapter R3.

N. Wood Headers shall be as follows: Opening  $\leq$  3'-0" - 2-2x6 3'-0" < Opening < 4'-6" - 2-2x8 4'-6" < Opening < 6'-0" - 2-2x10  $6'-0" < Opening \le 8'-0" - 2-1\frac{3}{4}"x9\frac{1}{4}" LVL$ 8'-0" < Opening  $\leq 12'-0$ " -  $2-1\frac{3}{4}$ " x $11\frac{7}{8}$ " LVL

manufacturer recommendations.

Fasteners:

Place a double stud below all beams, headers, and double joists. K. Provide double joists below all walls that span parallel to floor framing.

C. Provide 3" min. bearing at each steel support.

nails are driven from.

AITC - Timber Construction Manual - fifth Ed.

AISC - 360-10 Specifications for Steel Buildings.

of concrete shall verify all bearing values.

corrosion-inhibiting primer.

against lateral loads during erection.

EQUIV. LATERAL FORCE

ORDINARY MASONRY WALLS.

> A. Reinforcing bars shall be deformed bars conforming to ASTM A615, grade 60 (Fy = 60 ksi) B. Welded wire fabric (wwf) shall conform to ASTM A185. Lap edges of wire fabric at least 6" in each direction.

11. Dimensions: the contractor shall field verify all dimensions prior to fabrication of structural components. Coordination: The contractor shall coordinate all sleeves, duct openings and holes Retaining Wall Plan

Drawn By: RAW Date: 8-1-19

Scale: As Noted

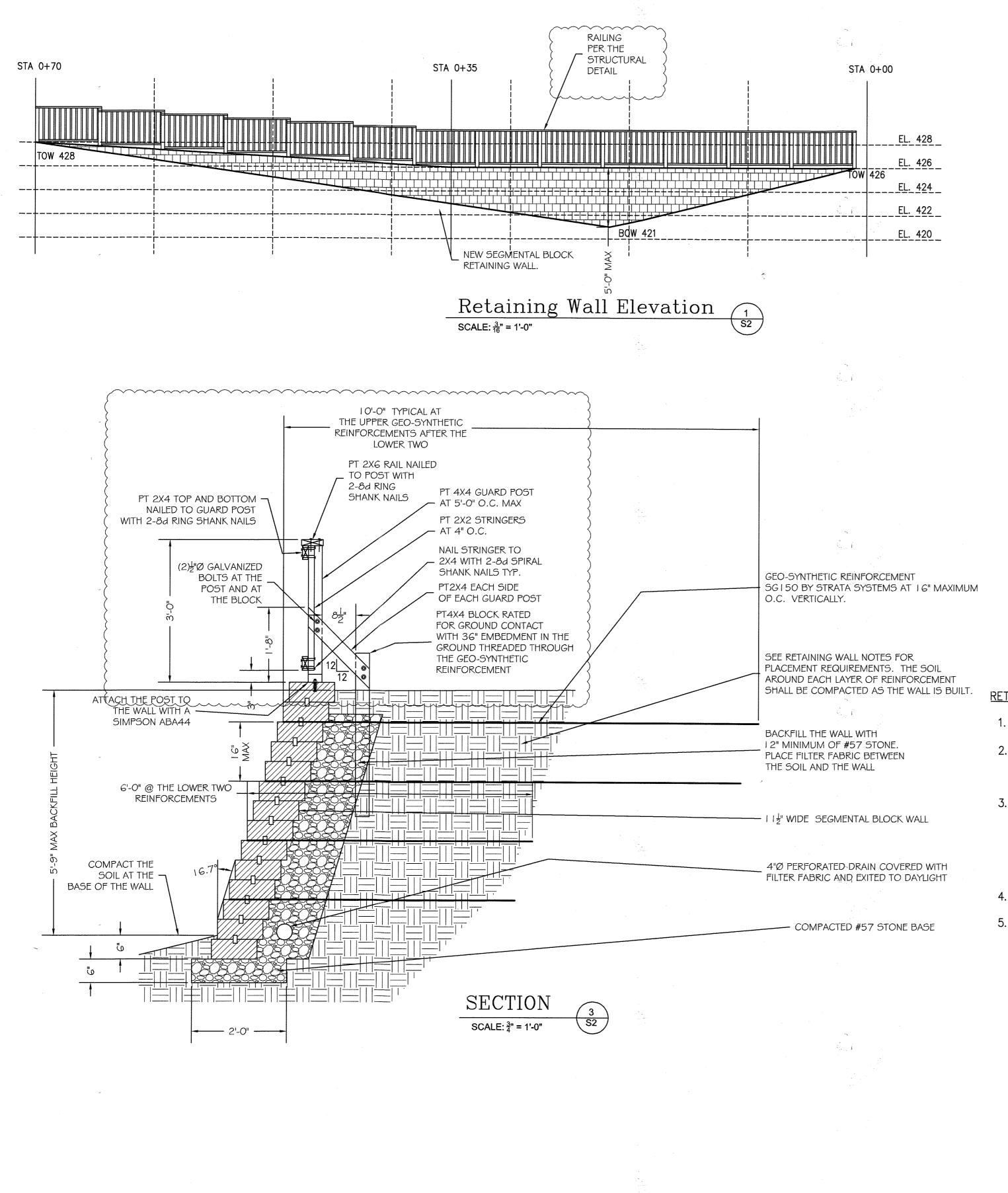
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6 of 7

SDP-97-017



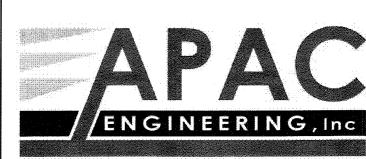
1.21.20

2/6/25 DATE

2 - 11-20 DATE



- 1. THE WALL IS DESIGNED TO RESIST AN ACTIVE SOIL PRESSURE OF 60PCF
- 2. PROVIDE A 24" WIDE X 6" THICK LEVELING PAD OF #57 STONE AT THE BASE OF THE WALL. COMPACT THE STONE WITH A WALK BEHIND COMPACTOR BEFORE PLACING THE WALL
- 3. PLACE THE WALL AS SHOWN SETTING GEO-SYNTHETIC REINFORCEMENT AND #57 STONE GRAVEL BACKFILL AS THE WALL IS CONSTRUCTED. THE GRAVEL AND SOIL BACKFILL SHALL BE COMPACTED WITH A WALK BEHIND COMPACTOR AT PLACEMENT OF EACH GEO-SYNTHETIC REINFORCEMENT (16" VERTICALLY).
- 4. GEO-SYNTHETIC REINFORCEMENT SHALL BE SG150 BY STRATA SYSTEMS, INC. OF CUMMINGS, GA.
- 5. GEO-SYNTHETIC REINFORCEMENT SHALL BE PLACED INSIDE THE WALL PER THE BOTH THE WALL MANUFACTURERS RECOMMENDATIONS AND STRATA SYSTEMS RECOMMENDATIONS. REINFORCEMENT SHALL BE PULLED TAUT AND SET WITH PINS BEFORE STONE AND SOIL BACKFILL IS PLACED AND COMPACTED.



8555 16th Street #200 Silver Spring, MD 20910 301-565-0543

301-563-9477 (fax)

No.	Revision / Issue	Date
01	**	**
	>	
_		

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 25427, Expiration Date: 7/17/20.



3 bo 5th Election Tax Map 25 Resubdivion

Retaining Wall Detail/Elevations

Drawn By: RAW Date: 8-1-19

ystic

The Suh Re 6915 Mysti Columbia,

7 of 7

SDP-97-017

Scale: As Noted

An Gon DIRECTOR (

APPROVED: DEPARTMENT OF PLANNING AND ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION

CHIEF, DIVISION OF LAND DEVELOPMENTS