



Building Permit Application

Howard County Maryland
Department of Inspections, Licenses and Permits
3430 Court House Drive
Permits: 410-313-2455
www.howardcountymd.gov

Date Received: _____

Permit No.: 18002030

Building Address: 1500 12th Street NW
City: Washington State: MD Zip Code: 20003
Suite/Apt. #: _____ SDP/WP/BA #: _____
Census Tract: _____ Subdivision: _____
Section: _____ Area: _____ Lot: _____
Tax Map: _____ Parcel: _____ Grid: _____
Zoning: _____ Map Coordinates: _____ Lot Size: _____

Existing Use: Single-Family Detached
Proposed Use: Single-Family Detached
Estimated Construction Cost: \$ 150,000
Description of Work: Interior Remodeling
Occupant/Tenant Name: _____

Was tenant space previously occupied? ☐ Yes ☐ No
Contact Name: _____
Address: _____
City: _____ State: _____ Zip Code: _____
Phone: _____ Fax: _____
Email: _____

| Commercial Building Characteristics | Residential Building Characteristics |
|--|--|
| Height: | <input type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse |
| No. of stories: | Depth Width |
| Gross area, sq. ft./floor: | 1 st floor: |
| | 2 nd floor: |
| Area of construction (sq. ft.): | Basement: |
| | <input type="checkbox"/> Finished Basement |
| Use group: | <input type="checkbox"/> Unfinished Basement |
| | <input type="checkbox"/> Crawl Space |
| Construction type: | <input type="checkbox"/> Slab on Grade |
| <input type="checkbox"/> Reinforced Concrete | No. of Bedrooms: |
| <input type="checkbox"/> Structural Steel | Multi-family Dwelling |
| <input type="checkbox"/> Masonry | No. of efficiency units: |
| <input type="checkbox"/> Wood Frame | No. of 1 BR units: |
| <input type="checkbox"/> State Certified Modular | No. of 2 BR units: |
| | No. of 3 BR units: |
| | Other Structure: |
| | Dimensions: |
| ➤ Roadside Tree Project Permit | Footings: |
| <input type="checkbox"/> Yes <input type="checkbox"/> No | Roof: |
| Roadside Tree Project Permit # | <input type="checkbox"/> State Certified Modular |
| | <input type="checkbox"/> Manufactured Home |

Property Owner's Name: Palmer & Maria
Address: 1500 12th Street NW
City: Washington State: MD Zip Code: 20003
Phone: 413-612-3410 Fax: _____
Email: _____

Applicant's Name & Mailing Address, (If other than stated herein)
Applicant's Name: Contractor
Address: _____
City: _____ State: _____ Zip Code: _____
Phone: _____ Fax: _____
Email: _____

Contractor Company: Contractor
Contact Person: Contractor
Address: _____
City: Washington State: MD Zip Code: 20003
License No.: 18002030
Phone: 413-612-3410 Fax: 413-612-3410
Email: Contractor

Engineer/Architect Company: _____
Responsible Design Prof.: _____
Address: _____
City: _____ State: _____ Zip Code: _____
Phone: _____ Fax: _____
Email: _____

| Utilities |
|---|
| Electric: <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Gas: <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Water Supply |
| <input type="checkbox"/> Public |
| <input type="checkbox"/> Private |
| Sewage Disposal |
| <input type="checkbox"/> Public |
| <input type="checkbox"/> Private |
| Heating System |
| <input type="checkbox"/> Electric <input type="checkbox"/> Oil |
| <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas |
| <input type="checkbox"/> Other: |
| Sprinkler System: |
| <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Grading Permit Number: |
| Building Shell Permit Number: |

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature: _____ Print Name: _____
Email Address: _____ Date: _____
Title/Company: _____

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY

PLEASE WRITE NEATLY & LEGIBLY

-FOR OFFICE USE ONLY-

| AGENCY | DATE | SIGNATURE OF APPROVAL |
|----------------------|---------|-----------------------|
| State Highways | | |
| Building Officials | | |
| PSZA (Zoning) | | |
| PSZA (Engineering) | | |
| Health | 6/22/18 | R-788 |

| DPZ SETBACK INFORMATION |
|---|
| Front: |
| Rear: |
| Side: |
| Side St.: |
| All minimum setbacks met? <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Is Entrance Permit Required? <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Historic District? <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Lot Coverage for New Town Zone: |
| SDP/Red-line approval date: |

| | |
|-----------------|-----------|
| Filing Fee | \$ 100.00 |
| Permit Fee | \$ 100.00 |
| Tech Fee | \$ 100.00 |
| Excise Tax | \$ |
| PSFS | \$ |
| Guaranty Fund | \$ |
| Add'l per Fee | \$ |
| Total Fees | \$ |
| Sub- Total Paid | \$ 400.00 |
| Balance Due | \$ |
| Check | # |

Is Sediment Control approval required for issuance? ☐ Yes ☐ No
☐ CONTINGENCY CONSTRUCTION START

Distribution of Copies: White: Building Officials Green: PSZA,Zoning Yellow: PSZA,Engineering Pink: Health Gold: SHA



Building Permit Application

Howard County Maryland
Department of Inspections, Licenses and Permits
3430 Court House Drive
Permits: 410-313-2455
www.howardcountymd.gov

Date Received: _____

Permit No.: B1702656

Building Address: 1680 Woodstock Rd.
City: Woodstock State: MD Zip Code: 21163
Suite/Apt. # _____ SDP/WP/BA #: _____
Census Tract: _____ Subdivision: _____
Section: _____ Area: _____ Lot: _____
Tax Map: 10 Parcel: 50 Grid: 18
Zoning: RC-DEO Map Coordinates: _____ Lot Size: 3.24 acres

Existing Use: Residential
Proposed Use: Residential, new single family detached dwelling
Estimated Construction Cost: \$ 450,000
Description of Work: New residential construction of a single family detached dwelling with 2 stories and exterior deck.
New detached garage.
Occupant/Tenant Name: N/A
Was tenant space previously occupied? ☐ Yes ☒ No
Contact Name: John Martinez of Muse Architects
Address: 7401 Wisconsin Avenue, Suite 500
City: Bethesda MD State: _____ Zip Code: 20814
Phone: (301) 718-8118 Fax: (301) 718-8112
Email: jmartinez@musearchitects.com

| Commercial Building Characteristics | Residential Building Characteristics | |
|---|---|----------------|
| Height: | <input checked="" type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse | |
| No. of stories: | Depth | Width |
| Gross area, sq. ft./floor: | 1 st floor: <u>72.5 ft</u> | <u>26.5 ft</u> |
| | 2 nd floor: | |
| Area of construction (sq. ft.): | Basement: <u>72.5 ft</u> | <u>26.5 ft</u> |
| | <input checked="" type="checkbox"/> Finished Basement | |
| Use group: | <input type="checkbox"/> Unfinished Basement | |
| | <input type="checkbox"/> Crawl Space | |
| Construction type: | <input type="checkbox"/> Slab on Grade | |
| <input type="checkbox"/> Reinforced Concrete | No. of Bedrooms: <u>3</u> | |
| <input type="checkbox"/> Structural Steel | Multi-family Dwelling | |
| <input type="checkbox"/> Masonry | No. of efficiency units: | |
| <input type="checkbox"/> Wood Frame | No. of 1 BR units: | |
| <input type="checkbox"/> State Certified Modular | No. of 2 BR units: | |
| | No. of 3 BR units: | |
| | Other Structure: | |
| | Dimensions: | |
| <input checked="" type="checkbox"/> Roadside Tree Project Permit | Footings: | |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Roof: | |
| Roadside Tree Project Permit # | <input type="checkbox"/> State Certified Modular | |
| | <input type="checkbox"/> Manufactured Home | |

Property Owner's Name: Press Palmer & Maria Aliprando
Address: 10625 Hillingdon Road
City: Woodstock State: MD Zip Code: 21163
Phone: (301) 718-8118 Fax: (301) 718-8112
Email: jmartinez@musearchitects.com

Applicant's Name & Mailing Address, (If other than stated herein)
Applicant's Name: John Martinez of Muse Architects
Address: 7401 Wisconsin Avenue, Suite 500
City: Bethesda State: MD Zip Code: 20814
Phone: (301) 718-8118 Fax: (301) 718-8112
Email: jmartinez@musearchitects.com

Contractor Company: T.B.D.
Contact Person: _____
Address: _____
City: _____ State: _____ Zip Code: _____
License No. : _____
Phone: _____ Fax: _____
Email: _____

Engineer/Architect Company: Muse Architects
Responsible Design Prof.: William Kirwan, AIA
Address: 7401 Wisconsin Avenue, Suite 500
City: Bethesda State: MD Zip Code: 20814
Phone: (301) 718-8118 Fax: (301) 718-8112
Email: wkirwan@musearchitects.com

| Utilities | RECEIVED JUL 11 2017 LICENSES & PERMITS DIVISION |
|--|---|
| Electric: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Gas: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Water Supply | |
| <input type="checkbox"/> Public | |
| <input checked="" type="checkbox"/> Private | |
| Sewage Disposal | |
| <input type="checkbox"/> Public | |
| <input checked="" type="checkbox"/> Private | |
| Heating System | |
| <input type="checkbox"/> Electric <input type="checkbox"/> Oil | |
| <input type="checkbox"/> Natural Gas <input checked="" type="checkbox"/> Propane Gas | |
| <input type="checkbox"/> Other: | |
| Sprinkler System: | |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Grading Permit Number: | |
| Building Shell Permit Number: | |

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Applicant's Signature _____
jmartinez@musearchitects.com
Email Address _____
Muse Architects
Title/Company _____

John Martinez
Print Name _____
7/11/17
Date _____

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY

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-FOR OFFICE USE ONLY-

| AGENCY | DATE | SIGNATURE OF APPROVAL |
|----------------------|---------|-----------------------|
| State Highways | | |
| Building Officials | | |
| PSZA (Zoning) | | |
| PSZA (Engineering) | | |
| Health | 7/27/17 | H. Osawa |

Is Sediment Control approval required for issuance? ☐ Yes ☐ No
☐ CONTINGENCY CONSTRUCTION START

| DPZ SETBACK INFORMATION |
|---|
| Front: |
| Rear: |
| Side: |
| Side St.: |
| All minimum setbacks met? <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Is Entrance Permit Required? <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Historic District? <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Lot Coverage for New Town Zone: |
| SDP/Red-line approval date: |

| | |
|-----------------|----|
| Filing Fee | \$ |
| Permit Fee | \$ |
| Tech Fee | \$ |
| Excise Tax | \$ |
| PSFS | \$ |
| Guaranty Fund | \$ |
| Add'l per Fee | \$ |
| Total Fees | \$ |
| Sub- Total Paid | \$ |
| Balance Due | \$ |
| Check | # |

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MUSE ARCHITECTS

Principals

STEPHEN MUSE FAIA
WILLIAM KIRWAN AIA

Associates

KUK-JA C. KIM AIA
R. WARREN SHORT AIA

\$50.00
INV #521530
CK #13376

RECEIVED

FEB 07 2018

LICENSES & PERMITS
DIVISION

07 February 2018

ATTN: Howard County
Department of Inspections, Licenses, and Permits
3430 Court House Drive
Ellicott City, MD 21043

RE: Revisions to Permit # B17002656
Aliprando/Palmer Residence
1680 Woodstock Road
Woodstock, MD 21163

To Whom It May Concern:

The following bulletin lists revisions made to the permit set of drawings for permit # B17002656 filed with Howard County DILP on 07/13/17. Each affected sheet listed is followed by a narrative of the revisions. All revisions in the drawings are clouded and tagged with #1 delta notation symbol. Please conduct your review of these drawings and let us know of any additional clarifications needed. **You may contact the original applicant, John Martinez of Muse Architects, via phone at 301-718-8118 or via email at jmartinez@musearchitects.com.**

In summary, the revisions cover an increase in the total building height and related adjustments to stair/step risers, the omission of a fireplace, and the increase in usable interior square footage at the lower level floor plan. None of these changes result in any increase to the building footprint, nor result in any changes to proposed grade.

0001

1. Proposed building height listed under the zoning summary is revised to 20.7 Feet.

0002

No change.

Simplified Environmental Concept Plan

No change.

On Site Sewage Disposal System Design Plan

No change.

Plot Plan & Sediment Control Plan

No change.

MUSE ARCHITECTS, PC 7401 WISCONSIN AVE STE 500 BETHESDA MD 20814 T.301.718.8118 F.301.718.8112

MUSEARCHITECTS.COM

A100

1. Finish Main Level Floor and Raised Deck spot elevations are revised on drawing 1/A100.
2. A step is added within the current footprint of the entry concrete landing on drawing 2/A100. Dimensions are provided.
3. The fireplace is omitted from drawing 2/A100.

A101

1. A step is added within the current footprint of the entry concrete landing on drawing 1/A101. Riser heights are revised.
2. The interior stair at the Stair Hall adds one riser.
3. The fireplace is omitted from drawing 1/A101.

A102

1. The interior stair at the Stair Hall adds one riser.
2. The floor area of Unfinished Room 216 is increased to occupy the former "unexcavated area" shown in the approved permit drawings. The wall separating these areas is omitted. Sealed concrete slab and wall framing is extended into this floor area.
3. A dimension string at the north wall is measured to F.O.S. only. Reference to "F.O.M." is omitted.
4. The fireplace is omitted from drawing 1/A102.

A201

1. The overall floor to floor height between the Main Level and the Lower Level is revised to 11'-0" on drawing 1/A201.
2. The overall height between the Mean Elevation @ Grade and the Top of Structure is revised to 20'-8" +/- on drawing 1/A201.
3. The spot elevations at the Main Level and Top of Structure are revised on drawing 1/A201.
4. The elevation is graphically revised to show increased height and materials on drawing 1&2/A201.
5. The elevation is graphically revised to show added step at entry concrete stoop and omitted fireplace flue.

A202

1. The overall height between the Mean Elevation @ Grade and the Top of Structure is revised to 20'-8" +/- on drawing 1/A202.
2. The overall floor to floor height between the Main Level and the Lower Level is revised to 11'-0" on drawing 2/A202.
3. The spot elevations at the Main Level and Top of Structure are revised on drawing 1&2/A202.
4. The fireplace and all associated notes are omitted from drawing 1&2/A202.

5. The elevation is graphically revised to show increased height and materials on drawing 1&2/A202.

A203

1. The spot elevations at the Main Level and Top of Structure are revised on drawing 1/A203.
2. The fireplace and all associated notes are omitted from drawing 1&2/A203.
3. The elevation is graphically revised to show increased height and materials on drawing 1/A203.

A204

No change.

A301

1. The fireplace and all associated notes are omitted from drawing 1/A301.
2. The interior stair at the Stair Hall adds one riser on drawing 3/A301.
3. Building section at the Unfinished Room 216 graphically shows increased space below Covered Entry Porch on drawing 4/A301.
4. Detail 5/A301 is omitted.

A302

1. Building section at the Unfinished Room 216 graphically shows increased space below Covered Entry Porch on drawing 4/A301. Entry concrete stoop is revised to add a step. Fireplace flue is omitted.

A401

1. The spot elevations at the Main Level, Top of Roof Deck, and Deck Floor are revised on drawing 1&3/A401.

A402

1. Concrete landing/stoop and concrete slab detail at Covered Entry Porch 108 are revised to coordinate with structural revision details on drawing 2&3/A402.
2. Concrete slab detail at Covered Entry Porch 108 is revised to coordinate with structural revision details on drawing 1/A402. Interior masonry wall below the Porch is omitted and structural beam added in its place to coordinate with structural revision details.

A501

1. The interior stair at the Stair Hall adds one riser on drawing 1,2,3,&5/A501.

S001

No change.

S100

1. Porch slab on grade is revised to elevated slab on metal deck. A steel beam is shown in place of masonry bearing wall. Stoop revised to incorporate one additional riser. Perimeter wall revised from 8" thick masonry to 12" thick masonry. Framing associated with fireplace/chimney is deleted.

S101

1. Framing associated with fireplace/chimney is deleted.

S102

No change.

S103

No change.

S201

1. Detail 7/S201 is revised to show metal deck bearing on 12" perimeter wall. Detail 8/S201 is revised to show steel beam bearing on perimeter masonry wall and stoop geometry and reinforcement is revised to show an additional riser.

S301

No change.

S302

1. Detail 5/S302 is revised to show elevated slab on metal deck with steel angle edge stiffener. New Detail 9/S302 shows steel beam bearing on interior masonry wall. New Detail 10/S302 shows elevated slab on metal deck bearing on steel beam and wood I-joists supported on top-flange hangers.

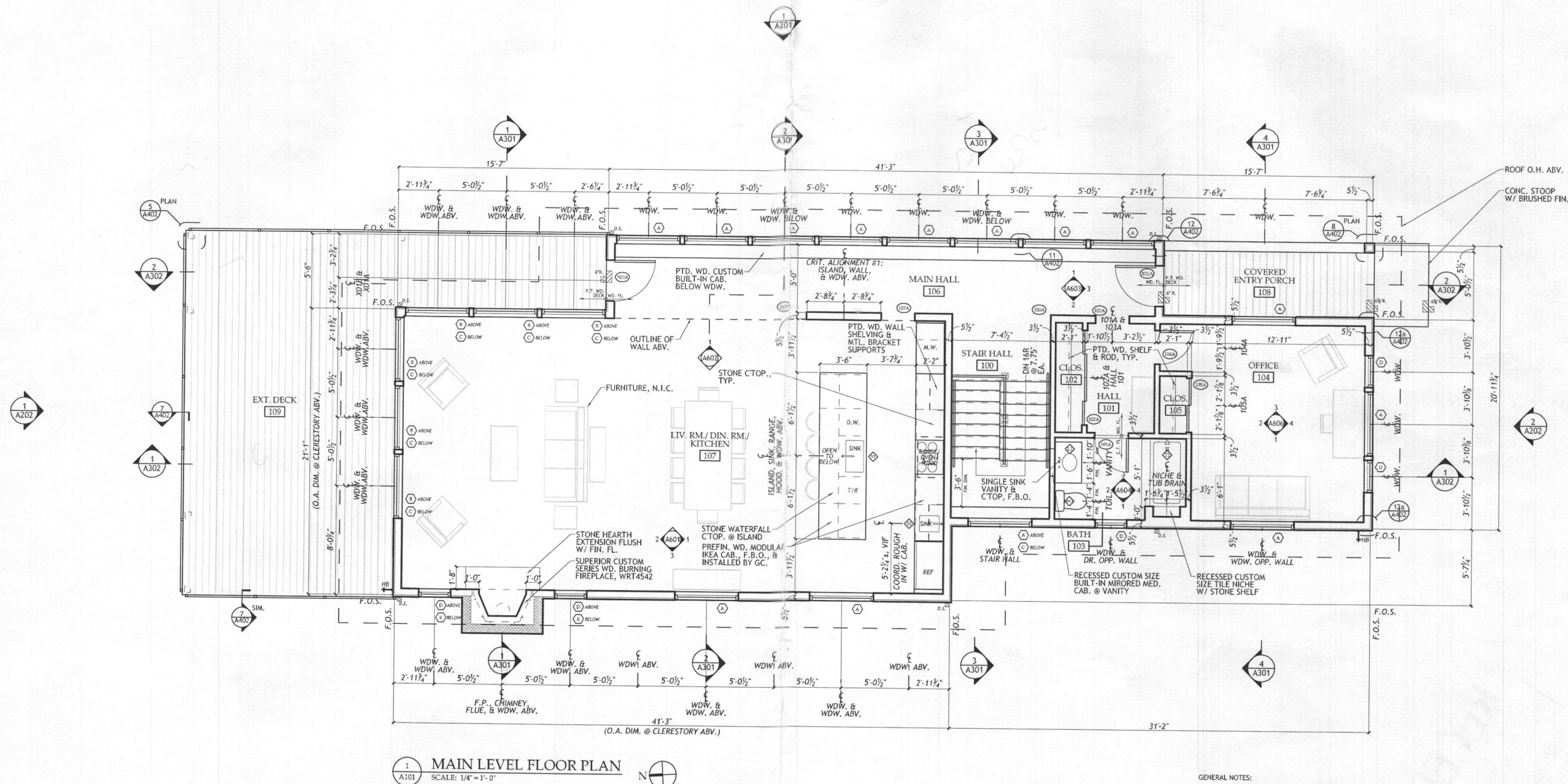
S303

No change.

END OF REVISION LIST

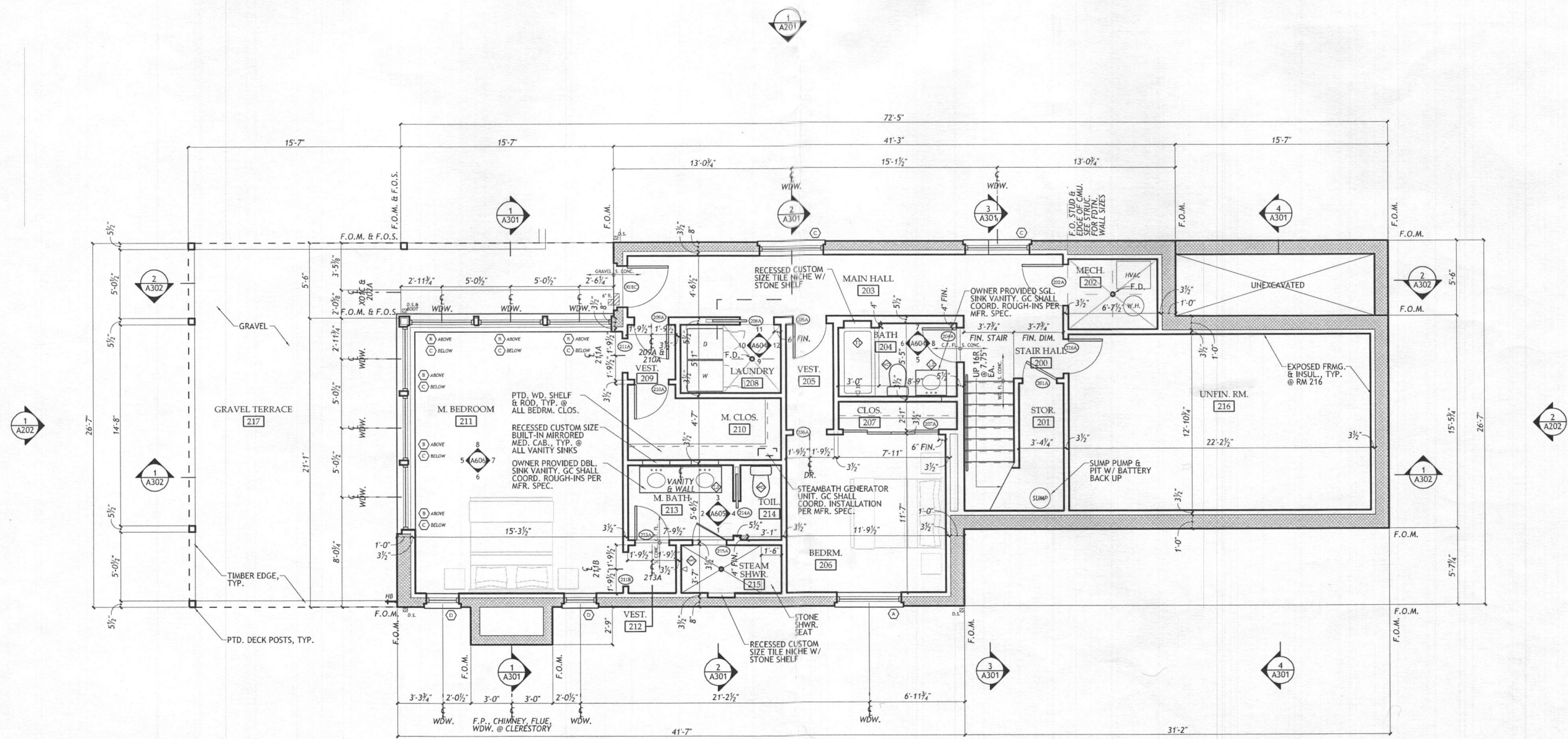
Sincerely,

John Martinez
MUSE ARCHITECTS, PC



GENERAL NOTES:

1. WINDOW TYPE 'C1' USED AT CLERESTORY WINDOWS IN ROOM 107. SEE A203 FOR ROOF PLAN.
2. DIMENSIONS FOR EAST & SOUTH WALLS & WINDOWS AT CLERESTORY ARE MIRROR CONDITIONS OF THE ESTABLISHED WEST & NORTH WALLS @ ROOM 107.



1 A102 LOWER LEVEL FLOOR PLAN
SCALE: 1/4" = 1'-0"



B-4-2 STANDARDS AND SPECIFICATIONS FOR SOIL PREPARATION, SOIL AMENDMENTS

Definition:
The process of preparing the soils to sustain adequate vegetative stabilization.

Purpose:
To provide a suitable soil medium for vegetative growth.

Conditions Where Practice Applies:
Where vegetative stabilization is to be established.

- Criteria:
- Soil Preparation**
 - Temporary Stabilization
 - Seeded preparation consists of loosening soil to a depth of 3 to 5 inches by means of suitable agricultural or construction equipment, such as disc harrows or chisel plows or rippers mounted on construction equipment. After the soil is loosened, it must not be rolled or dragged smooth but left in the roughened condition. Slopes 3:1 or flatter are to be tracked with ridges running parallel to the contour of the slope.
 - Apply fertilizer and lime as prescribed on the plans.
 - Incorporate lime and fertilizer into the top 3 to 5 inches of soil by diskimg or other suitable means.
 - Permanent Stabilization
 - A soil test is required for any earth disturbance of 5 acres or more. The minimum soil conditions required for permanent vegetative establishment are:
 - Soil pH between 6.0 and 7.0.
 - Soluble salts less than 500 parts per million (ppm).
 - Soil contains less than 40 percent clay but enough fine grained material (greater than 30 percent silt plus clay) to provide the capacity to hold a moderate amount of moisture. An exception: if loess will be planted, then a sandy soil (less than 30 percent silt plus clay) would be acceptable.
 - Soil contains 1.5 percent minimum organic matter by weight.
 - Soil contains sufficient pore space to permit adequate root penetration.
 - Conditions of amendments or topsoil is required if on-site soils do not meet the above conditions.
 - Graded areas must be maintained in a true and even grade as specified on the approved plan, then scarified or otherwise loosened to a depth of 3 to 5 inches. B.13
 - Apply soil amendments as specified on the approved plan or as indicated by the results of a soil test.
 - Mix soil amendments into the top 3 to 5 inches of soil by diskimg or other suitable means. Rotate lawn areas to smooth the surface, remove large objects like stones and branches, and ready the area for seed application. Loosen surface soil by dragging with a heavy chain or roller equipment to roughen the surface where area conditions will not permit normal seeded preparation. Track slopes 3:1 or flatter with tracked equipment leaving the soil in an irregular condition with ridges running parallel to the contour of the slope. Leave the top 1 to 3 inches of soil loose and friable. Seeded loosening may be unnecessary on newly disturbed areas.
 - Topsoiling
 - Topsoil is placed over prepared subsoil prior to establishment of permanent vegetation. The purpose is to provide a suitable soil medium for vegetative growth of concern from low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.
 - Topsoil subsoils from level provide may be used to provide a suitable soil medium for vegetative growth 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 published by USDA-NRCS.
 - Topsoiling is limited to areas having 2:1 or flatter slopes where:
 - The texture of the exposed subsoil material is not adequate to produce vegetative growth.
 - 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.
 - The soil is so acidic that treatment with limestone is not feasible.
 - Areas having slopes steeper than 2:1 require special consideration and design.
 - Topsoil Specifications: Topsoil must meet the following criteria:
 - Topsoil must be a loam, sandy loam, clay loam, silt loam, sandy clay loam, or loamy sand.
 - Topsoil may be used if recommended by an agronomist or soil scientist and approved by the appropriate approval authority. Topsoil must not be a mixture of contrasting textured subsoils and must contain less than 5 percent by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1 1/2 inches in diameter.
 - Topsoil must be free of noxious plants or plant parts such as Bermuda grass, quack grass, Johnson grass, nut sedge, poison ivy, thistle, or other species.
 - Topsoil substitutes or amendments, as recommended by a qualified agronomist or soil scientist and approved by the appropriate approval authority, may be used in lieu of natural topsoil.
 - Topsoil Application
 - Erosion and sediment control practices must be maintained when applying topsoil.
 - Uniformly distribute topsoil in a 5 to 8 inch layer and lightly compact to a minimum thickness of 4 inches. Spreading is to be performed in such a manner that sodding or seeding can proceed with a minimum of additional soil preparation and tillage. Any irregularities in the surface resulting from topsoiling or other operations must be corrected in order to prevent the formation of depressions or water pockets.
 - Topsoil must not be placed if 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 B.4 and seeded preparation.
 - Soil Amendments (Fertilizer and Lime Specifications)
 - Soil tests must be performed to determine the exact ratios and application rates for both lime and fertilizer on sites having disturbed areas of 5 acres or more. Soil analysis may be performed by a recognized private or commercial laboratory. Soil samples taken for engineering purposes may also be used for chemical analysis.
 - Fertilizers must be uniform in composition, free flowing and suitable for accurate application by appropriate equipment. Manure may be substituted for fertilizer with prior approval from the appropriate approval authority. Fertilizers must all be delivered to the site fully bagged according to the applicable laws and must bear the name, trade name or trademark and warranty of the producer.
 - Lime materials must be ground limestone (hydrated or burnt lime may be substituted except when hydroseeding) which contains at least 50 percent total solids (calcium oxide plus magnesium oxide). Limestone must be ground to such a fineness that at least 50 percent will pass through a #100 mesh sieve and 98 to 100 percent will pass through a #200 mesh sieve.
 - Lime and fertilizer are to be evenly distributed and incorporated into the top 3 to 5 inches of the soil or other suitable means.
 - Where the subsoil is either highly acidic or composed of heavy clays, spread ground limestone at the rate of 4 to 8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil.

B-4-3 STANDARDS AND SPECIFICATIONS FOR SEEDING AND MULCHING

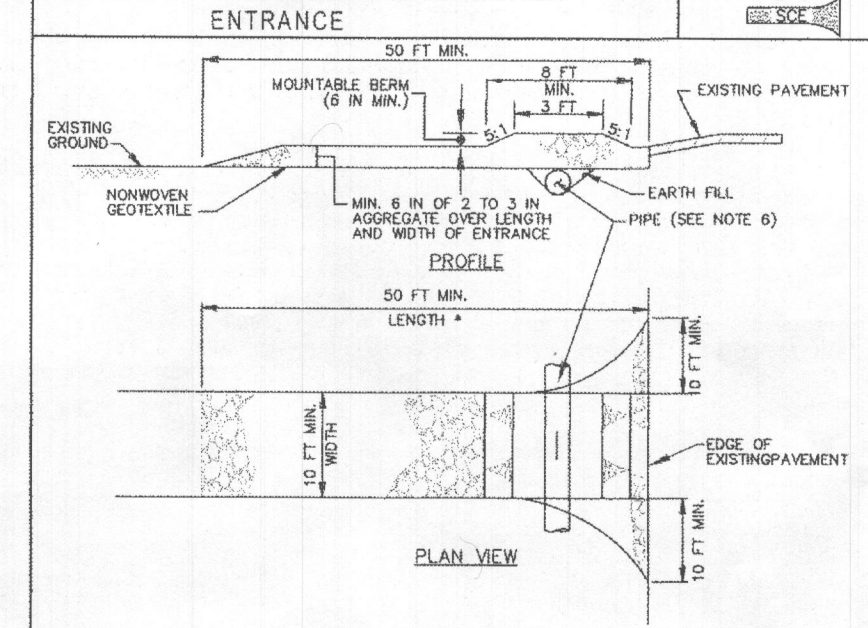
Definition:
The application of seed and mulch to establish vegetative cover.

Purpose:
To protect disturbed soils from erosion during and at the end of construction.

Conditions Where Practice Applies:
To the surface of all perimeter controls, slopes, and any disturbed area not under active grading.

- Criteria:
- Seeding**
 - Specifications
 - All seed must meet the requirements of the Maryland State Seed Law. All seed must be subject to re-testing by a recognized seed laboratory. All seed used must have been tested within the 6 months immediately preceding the date of sowing such material on any project. Refer to Table B.4 regarding the quality of seed. Seed lots must be available upon request to the inspector to verify type of seed and seeding rate.
 - Much seed may be applied between the fall and spring seeding dates only if the ground is frozen. The appropriate seeding mixture must be applied when the ground thaws.
 - Inoculants: The inoculant for treating legume seed in the seed mixtures must be a pure culture of nitrogen fixing bacteria prepared specifically for the species. Inoculants must not be used later than the date indicated on the container. Add fresh inoculants as directed on the package. Use four times the recommended rate when hydroseeding. Note: It is very important to keep inoculant as cool as possible until used. Temperatures above 75 to 80 degrees Fahrenheit can weaken bacteria and make them inoculant less effective.
 - Sod or seed must not be placed on soil which has been treated with soil sterilants or chemicals used for weed control until sufficient time has elapsed (14 days min) to permit dieback of phytotoxic material.
 - Application
 - Dry Seeding
 - Incorporate seed into the subsoil at the rates prescribed on Temporary Seeding Table B.1. Permanent Seeding Table B.3, or site-specific seeding summaries.
 - Apply seed in two directions, perpendicular to each other. Apply half the seeding rate in each direction. Roll the seeded area with a weighted roller to provide good seed to soil contact. B.16
 - Use a California Seeder Mechanical Seeding Machine to apply seed and cover seed with soil.
 - Outdrugging seeders are required to bury the seed in such a fashion as to provide at least 1/4 inch of soil covering. Seeded must be firm after plating.
 - Apply seed in two directions, perpendicular to each other. Apply half the seeding rate in each direction.
 - Hydroseeding: Apply seed uniformly with hydroseeder (slurry includes seed and fertilizer).
 - If fertilizer is being applied at the time of seeding, the application rates should not exceed the following: nitrogen, 100 pounds per acre total of soluble nitrogen; P2 O5 (phosphorus), 200 pounds per acre; K2 O (potassium), 200 pounds per acre.
 - Lime: Use only ground agricultural limestone (up to 3 tons per acre) may be applied by hydroseeding. Normally, not more than 2 tons are applied by hydroseeding of any one time. Do not use burnt or hydrated lime when hydroseeding.
 - Use seed and fertilizer on site and spread immediately and without interruption.
 - When hydroseeding do not incorporate seed into the soil.
 - Mulching
 - Materials (in order of preference)
 - Straw consisting of thoroughly threshed wheat, rye, oat, or barley and reasonably bright in color. Straw must be free of noxious weeds as specified in the Maryland Seed Law and not musty, moldy, caked, decayed, or excessively dirty. Note: Use only sterile straw from seed areas where one species of grass is desired.
 - Wood Cellulose Fiber Mulch (WCFL) consisting of specially prepared wood cellulose processed into a uniform fibrous physical state.
 - WCFL is to be dyed green when used in the package that will provide an appropriate color to facilitate visual inspection of the uniformly spread slurry.
 - WCFL, including dyes, must contain no germination or growth inhibiting factors.
 - WCFL material must be manufactured and processed in such a manner that the wood cellulose fiber will remain in uniform suspension in water under application and will blend with seed, fertilizer and other additives to form a homogeneous slurry. The mulch material must form a blotter-like ground cover, on application, having moisture absorption and percolation properties and must cover and hold grass seed in contact with the soil without inhibiting the growth of the grass seedlings.
 - WCFL material must not contain elements or compounds at concentration levels that will be phytotoxic.
 - WCFL must conform to the following physical requirements: fiber length of approximately 10 millimeters, diameter approximately 1 millimeter, pH range of 4.0 to 8.5, air content of 1.6 percent maximum and water holding capacity of 90 percent minimum. B.17
 - Application
 - Apply mulch to all seeded areas immediately after seeding.
 - When straw mulch is used, spread it over all seeded areas at the rate of 2 tons per acre to a uniform loose depth of 1 to 2 inches. Apply mulch to achieve a uniform distribution and depth of the following: nitrogen, 100 pounds per acre total of soluble nitrogen; P2 O5 (phosphorus), 200 pounds per acre; K2 O (potassium), 200 pounds per acre.
 - Wood cellulose fiber used as mulch must be applied at a net dry weight of 1500 pounds per acre. Mix the wood cellulose fiber with water to obtain a mixture with a maximum of 50 pounds of wood cellulose fiber per 100 gallons of water.
 - Anchoring
 - Perform mulch anchoring immediately following application of mulch to minimize loss by wind or water. This may be done by one of the following methods (listed by preference), depending upon the size of the area and erosion hazard:
 - A mulch anchoring tool is a tractor drawn implement designed to punch and anchor mulch to the soil surface. It must be used in a manner that the practice is most effective on slopes and is limited to flatter slopes where equipment can operate safely. If used on sloping land, this practice should follow the contour.
 - Wood cellulose fiber may be used for anchoring straw. Apply the fiber binder at a net dry weight of 750 pounds per acre. Mix the wood cellulose fiber with water at a maximum of 50 pounds of wood cellulose fiber per 100 gallons of water.
 - Synthetic binders such as Acrylic ULR (Acr-16), DCM-70, Petroseal, Terra Tex II, Terra Tack AR or other approved equal may be used. Follow application rates as specified by the manufacturer. Application of liquid binders needs to be heavier at the edges where wind catches much, such as in valleys and on crests of banks. Use of cashel binders is strictly prohibited.
 - Lightweight plastic netting may be applied over the mulch according to the manufacturer's recommendations. Netting is usually available in rolls 4 to 15 feet wide and 300 to 3,000 feet long.

DETAIL B-1 STABILIZED CONSTRUCTION ENTRANCE



CONSTRUCTION SPECIFICATIONS

- PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE EXISTING LENGTH OF THE SEE USE MINIMUM LENGTH OF 50 FEET (150 FEET FOR SINGLE RESIDENCE LOT). USE MINIMUM WIDTH OF 10 FEET. FLARE SIZE IS 10 FEET MINIMUM AT THE EXISTING ROAD TO THE ENTRANCE RADIUS.
- PIPE ALL SURFACE WATER FLOWING TO GO DOWNED THROUGH THE SEE UNDER THE ENTRANCE. MAINTAIN POSITIVE DRAINAGE. PROTECT PIPE INSTALLED THROUGH THE SEE WITH A MOUNTABLE BERM WITH 6:1 SLOPES AND A MINIMUM OF 12 INCHES OF STONE OVER THE PIPE. PROVIDE PIPE AS SPECIFIED ON APPROVED PLAN. WHEN THE SEE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO THE EXISTING ROAD TO THE ENTRANCE RADIUS, A PIPE IS NOT NECESSARY. A MOUNTABLE BERM IS REQUIRED WHEN SEE IS LOCATED AT A HIGH SPOT.
- PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION 1-1 MATERIALS.
- PLACE CRUSHED AGGREGATE (20 TO 30 INCHES IN SIZE) OR EQUIVALENT RECYCLED CONCRETE (WITHOUT REBAR) AT LEAST 6 INCHES DEEP OVER THE LENGTH AND WIDTH OF THE SEE.
- MAINTAIN ENTRANCE IN A CONDITION THAT MINIMIZES TRACKING OF SEDIMENT AND STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN CLEAN SURFACE, MOUNTABLE BERM, AND SPECIFIED DIMENSIONS. IMMEDIATELY REMOVE STONE AND/OR SEDIMENT SCALED, SHIPPED, OR TRACKED ONTO ADJACENT PROPERTY BY VANDUING, SCRAPING, AND/OR SWEEPING. WASHING ROADWAY TO REMOVE MUD TRACKED ONTO ADJACENT PROPERTY IS NOT ACCEPTABLE UNLESS WASH WATER IS DIRECTED TO AN APPROVED SEDIMENT CONTROL PRACTICE.

| MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL | 2011 | MARYLAND DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES CONSERVATION SERVICE |
|---|------|---|
| U.S. DEPARTMENT OF AGRICULTURE | 2011 | MARYLAND DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES CONSERVATION SERVICE |

B-4-4 STANDARDS AND SPECIFICATIONS FOR STOCKPILE AREA

Definition:
A mound or pile of soil protected by appropriately designed erosion and sediment control measures.

Purpose:
To provide a designated location for the temporary storage of soil that controls the potential for erosion, sedimentation, and changes to drainage patterns.

Conditions Where Practice Applies:
Stockpile areas are utilized when it is necessary to salvage and store soil for later use.

Criteria:

- The stockpile location and all related sediment control practices must be clearly indicated on the erosion and sediment control plan.
- The footprint of the stockpile must be sized to accommodate the anticipated volume of material and based on a side slope ratio no steeper than 2:1. Benchmarks must be provided in accordance with Section B-3 Land Grading.
- Runoff from the stockpile area must drain to a suitable sediment control practice. Access the stockpile area from the updrge side.

DETAIL E-1 SILT FENCE

Definition:
A silt fence is a temporary sediment control measure used to filter sediment from runoff water.

Purpose:
To provide a designated location for the temporary storage of soil that controls the potential for erosion, sedimentation, and changes to drainage patterns.

Conditions Where Practice Applies:
Stockpile areas are utilized when it is necessary to salvage and store soil for later use.

Criteria:

- The stockpile location and all related sediment control practices must be clearly indicated on the erosion and sediment control plan.
- The footprint of the stockpile must be sized to accommodate the anticipated volume of material and based on a side slope ratio no steeper than 2:1. Benchmarks must be provided in accordance with Section B-3 Land Grading.
- Runoff from the stockpile area must drain to a suitable sediment control practice. Access the stockpile area from the updrge side.

TEMPORARY STABILIZATION SPECIFICATIONS TABLE

Hardness Zone (from Figure B.3): **Sb**
Seed Mixture (from Table B.1):

| No. | Species | Application Rate (lb/ac) | Seeding Dates | Seeding Depths | Fertilizer Rate (10-20-20) | Lime Rate |
|-----|------------------|--------------------------|----------------------------------|----------------|---------------------------------|---------------------------------|
| 1 | ANNUAL RYEGRASS | 40 | MAR 1 - MAY 15 AUG 1 - OCT 15 | 0.5 INCHES | 436 lb/ac (10 lb/1000 sq ft) | 2 tons/ac (90 lb/1000 sq ft) |
| 2 | FESTIVAL MIXTURE | 30 | JUN 1 - JULY 31 | 0.5 INCHES | | |

PERMANENT STABILIZATION SPECIFICATIONS TABLE

Hardness Zone (from Figure B.3): **Sb**
Seed Mixture (from Table B.3):

| No. | Species | Application Rate (lb/ac) | Seeding Dates | Seeding Depths | N | P2O5 | K2O | Lime Rate |
|-----|------------------|--------------------------|----------------------------------|----------------|---|------------------------------|--------------------------------|---------------------------------|
| 1 | ANNUAL RYEGRASS | 40 | MAR 1 - MAY 15 AUG 1 - OCT 15 | 1/4-1/2 in | 45 pounds per acre (1.0 lb/1000 sq ft) | 90 lb/ac (2lb/1000 sq ft) | 90 lb/ac (90 lb/1000 sq ft) | 2 tons/ac (90 lb/1000 sq ft) |
| 2 | FESTIVAL MIXTURE | 30 | JUN 1 - JULY 31 | 1/4-1/2 in | | | | |

B-4-5 STANDARDS AND SPECIFICATIONS FOR PERMANENT STABILIZATION

Definition:
To stabilize disturbed soils with permanent vegetation.

Purpose:
To use long-lived perennial grasses and legumes to establish permanent ground cover on disturbed soils.

Conditions Where Practice Applies:
Exposed soils where ground cover is needed for 6 months or more.

Criteria:

- Seed Mixtures**
 - General Use
 - Select one or more of the species or mixtures listed in Table B.3 for the appropriate Plant Hardness Zone (from Figure B.3) and based on the site condition or purpose found on Table B.2.
 - Enter selected mixture(s), application rates, and seeding dates in the Permanent Seeding Summary. The Summary is to be placed on the plan.
 - Additional planting specifications for exceptional sites such as shorelines, stream banks, or dunes or for special purposes such as wildlife or aesthetic treatment may be found in USDA-NRCS Technical Field Office Guide, Section 342 - Critical Area Planting.
 - For sites having disturbed area over 5 acres, use, use the seed rates recommended by the soil testing agency.
 - For areas receiving low maintenance, apply urea form fertilizer (46-0-0) at 3 1/2 pounds per 1000 square feet (150 pounds per acre) at the time of seeding in addition to the soil amendments shown in the Permanent Seeding Summary.
 - Turfgrass Mixtures
 - Areas where turfgrass may be desired include lawns, parks, playgrounds, and commercial sites which will receive a medium to high level of maintenance.
 - Select one or more of the species or mixtures listed below based on the site conditions or purpose. Enter selected mixture(s), application rates, and seeding dates in the Permanent Seeding Summary. The Summary is to be placed on the plan.
 - Kentucky Bluegrass: Full Sun Mixture: For use in areas that receive intensive management. Irrigation required in the areas of central Maryland and Eastern Shore. Recommended Certified Kentucky Bluegrass Cultivars Seeding Rate: 1.5 to 2.0 pounds per 1000 square feet. Choose a minimum of three Kentucky bluegrass cultivars with each ranging from 10 to 35 percent of the total mixture by weight.
 - Kentucky Bluegrass/Perennial Ryegrass: Full Sun Mixture: For use in full sun areas where rapid establishment is necessary and when turf will receive medium to intensive management. Certified Perennial Ryegrass/Certified Kentucky Bluegrass Seeding Rate: 2 pounds mixture per 1000 square feet. Choose a minimum of three Kentucky bluegrass cultivars with each ranging from 10 to 35 percent of the total mixture by weight.
 - Tall Fescue/Kentucky Bluegrass: Full Sun Mixture: For use in drought prone areas and/or for areas receiving low to medium management in full sun to medium shade. Recommended mixture includes: Certified Tall Fescue Cultivars 95 to 100 percent, Certified Kentucky Bluegrass Cultivars 5 to 10 percent. Seeding Rate: 5 to 8 pounds per 1000 square feet. One or more cultivars may be blended.
 - Kentucky Bluegrass/Fine Fescue: Shade Mixture: For use in areas with shade in Bluegrass. For establishment in high quality, intensively managed turf area. Mixture includes: Certified Kentucky Bluegrass Cultivars 30 to 40 percent and Certified Fine Fescue and 60 to 70 percent. Seeding Rate: 1 1/2 to 3 pounds per 1000 square feet.

DETAIL B-1 SUPER SILT FENCE

Definition:
A super silt fence is a temporary sediment control measure used to filter sediment from runoff water.

Purpose:
To provide a designated location for the temporary storage of soil that controls the potential for erosion, sedimentation, and changes to drainage patterns.

Conditions Where Practice Applies:
Stockpile areas are utilized when it is necessary to salvage and store soil for later use.

Criteria:

- The stockpile location and all related sediment control practices must be clearly indicated on the erosion and sediment control plan.
- The footprint of the stockpile must be sized to accommodate the anticipated volume of material and based on a side slope ratio no steeper than 2:1. Benchmarks must be provided in accordance with Section B-3 Land Grading.
- Runoff from the stockpile area must drain to a suitable sediment control practice. Access the stockpile area from the updrge side.

DETAIL E-1 SILT FENCE

Definition:
A silt fence is a temporary sediment control measure used to filter sediment from runoff water.

Purpose:
To provide a designated location for the temporary storage of soil that controls the potential for erosion, sedimentation, and changes to drainage patterns.

Conditions Where Practice Applies:
Stockpile areas are utilized when it is necessary to salvage and store soil for later use.

Criteria:

- The stockpile location and all related sediment control practices must be clearly indicated on the erosion and sediment control plan.
- The footprint of the stockpile must be sized to accommodate the anticipated volume of material and based on a side slope ratio no steeper than 2:1. Benchmarks must be provided in accordance with Section B-3 Land Grading.
- Runoff from the stockpile area must drain to a suitable sediment control practice. Access the stockpile area from the updrge side.

CONSTRUCTION SPECIFICATIONS

- INSTALL 2 1/2 INCH DIAMETER GALVANIZED STEEL POSTS OF 0.08 INCH WALL THICKNESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET APART. DRIVE THE POSTS A MINIMUM OF 26 INCHES INTO THE GROUND.
- FASTEN A GAUGE OR HEAVIER GALVANIZED CHAIN LINK FENCE (26 INCH MAXIMUM OPENING) 42 INCHES IN HEIGHT SECURED TO THE FENCE POSTS WITH WIRE TIES OR WAD RINGS.
- FASTEN WOVEN SILT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS, SECURELY TO THE EXTERIOR SIDE OF CHAIN LINKS WITH GALVANIZED CHAIN LINK FENCE (26 INCH MAXIMUM OPENING) 42 INCHES IN HEIGHT SECURED TO THE FENCE POSTS WITH WIRE TIES OR WAD RINGS.
- WHERE ENDS OF THE GEOTEXTILE COME TOGETHER, THE ENDS SHALL BE OVERLAPPED BY 8 INCHES, FOLDERS, AND STAPLED TO PREVENT SEEDING BY WIND.
- EXTEND BOTH ENDS OF THE SUPER SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SUPER SILT FENCE.
- PROVIDE MANUFACTURER CERTIFICATION TO THE INSPECTOR/ENFORCEMENT AUTHORITY SHOWING THAT GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.
- REMOVE AND REINSTALL SUPER SILT FENCE WHEN WIND OR WAVE ACTION IN FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN, IF UNDERMINING OCCURS, REINSTALL CHAIN LINK FENCING AND GEOTEXTILE.

B-4-5 STANDARDS AND SPECIFICATIONS FOR PERMANENT STABILIZATION

Definition:
To stabilize disturbed soils with permanent vegetation.

Purpose:
To use long-lived perennial grasses and legumes to establish permanent ground cover on disturbed soils.

Conditions Where Practice Applies:
Exposed soils where ground cover is needed for 6 months or more.

Criteria:

- Seed Mixtures**
 - General Use
 - Select one or more of the species or mixtures listed in Table B.3 for the appropriate Plant Hardness Zone (from Figure B.3) and based on the site condition or purpose found on Table B.2.
 - Enter selected mixture(s), application rates, and seeding dates in the Permanent Seeding Summary. The Summary is to be placed on the plan.
 - Additional planting specifications for exceptional sites such as shorelines, stream banks, or dunes or for special purposes such as wildlife or aesthetic treatment may be found in USDA-NRCS Technical Field Office Guide, Section 342 - Critical Area Planting.
 - For sites having disturbed area over 5 acres, use, use the seed rates recommended by the soil testing agency.
 - For areas receiving low maintenance, apply urea form fertilizer (46-0-0) at 3 1/2 pounds per 1000 square feet (150 pounds per acre) at the time of seeding in addition to the soil amendments shown in the Permanent Seeding Summary.
 - Turfgrass Mixtures
 - Areas where turfgrass may be desired include lawns, parks, playgrounds, and commercial sites which will receive a medium to high level of maintenance.
 - Select one or more of the species or mixtures listed below based on the site conditions or purpose. Enter selected mixture(s), application rates, and seeding dates in the Permanent Seeding Summary. The Summary is to be placed on the plan.
 - Kentucky Bluegrass: Full Sun Mixture: For use in areas that receive intensive management. Irrigation required in the areas of central Maryland and Eastern Shore. Recommended Certified Kentucky Bluegrass Cultivars Seeding Rate: 1.5 to 2.0 pounds per 1000 square feet. Choose a minimum of three Kentucky bluegrass cultivars with each ranging from 10 to 35 percent of the total mixture by weight.
 - Kentucky Bluegrass/Perennial Ryegrass: Full Sun Mixture: For use in full sun areas where rapid establishment is necessary and when turf will receive medium to intensive management. Certified Perennial Ryegrass/Certified Kentucky Bluegrass Seeding Rate: 2 pounds mixture per 1000 square feet. Choose a minimum of three Kentucky bluegrass cultivars with each ranging from 10 to 35 percent of the total mixture by weight.
 - Tall Fescue/Kentucky Bluegrass: Full Sun Mixture: For use in drought prone areas and/or for areas receiving low to medium management in full sun to medium shade. Recommended mixture includes: Certified Tall Fescue Cultivars 95 to 100 percent, Certified Kentucky Bluegrass Cultivars 5 to 10 percent. Seeding Rate: 5 to 8 pounds per 1000 square feet. One or more cultivars may be blended.
 - Kentucky Bluegrass/Fine Fescue: Shade Mixture: For use in areas with shade in Bluegrass. For establishment in high quality, intensively managed turf area. Mixture includes: Certified Kentucky Bluegrass Cultivars 30 to 40 percent and Certified Fine Fescue and 60 to 70 percent. Seeding Rate: 1 1/2 to 3 pounds per 1000 square feet.

SEQUENCE OF CONSTRUCTION

- OBTAIN ALL REQUIRED GRADING, MDE PERMITS, APPROVALS AND LICENSES FROM APPROPRIATE AGENCIES. (1 WEEK)
- NOTIFY SEDIMENT CONTROL INSPECTOR AT LEAST THREE (3) WORKING DAYS PRIOR TO STARTING WORK. (1 WEEK)
- INSTALL STABILIZED CONSTRUCTION ENTRANCE, SILT FENCE AND OTHER SEDIMENT CONTROL DEVICES AS SHOWN IN THE SEDIMENT CONTROL PLAN. (2 WEEKS)
- STABILIZE ALL THE GRADED AREAS UP TO 20' OUTSIDE OF THE LIMIT OF GRADING AS PER PERMANENT SEEDING NOTES. (3 WEEKS)
- EXCAVATE HOUSE FOUNDATION, HOUSE CONSTRUCTION, UTILITIES AND INSTALL SEPTIC. (2 WEEKS)
- ANY AREAS THAT CAN BE TEMPORARILY SEEDED DURING CONSTRUCTION MUST BE TEMPORARILY STABILIZED PER SEEDING NOTES.
- INSTALL DRIVEWAY. (2 WEEKS)
- STABILIZE DISTURBED AREAS PER PERMANENT SEEDING NOTES. (1 WEEK)
- UPON APPROVAL OF SEDIMENT CONTROL INSPECTOR, REMOVE ALL TEMPORARY SEDIMENT CONTROL DEVICES FOR HOUSE CONSTRUCTION. (1 WEEK)
- NOTIFY INSPECTOR FOR FINAL INSPECTION. (1 WEEK)

WELL CERTIFICATION

I HEREBY CERTIFY THAT THE EXISTING WELL TAG NO. HO-15-0125 HAS BEEN FIELD LOCATED AND ACCURATELY SHOWN HEREON.

DATE: 6/3/2017
RONALD E. THOMPSON, P.E.

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. 18421, Expiration Date: 3-31-17.

DATE: 6/3/2017
RONALD E. THOMPSON, P.E.

PLOT PLAN & SEDIMENT CONTROL PLAN

LANDS CONVEYED TO
MARIA C. ALIPRANDO & PRESS PALMER

L.17215 F.315

1620 WOODSTOCK ROAD
THIRD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = 50' APRIL 2017

VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners

110 South Main Street Mount Airy, Maryland 21771
(301) 859-2880 (301) 831-5013 (410) 549-2751
Fax (301) 831-5603 © Copyright, Latest Date Shown

JOE NO. 87-5620

DEVELOPER'S CERTIFICATE:

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT FOR SEDIMENT AND EROSION CONTROL, AND THAT ANY 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 INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT."

DATE: 6/3/17
DEVELOPER

ENGINEER'S CERTIFICATE:

"I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT AND THE 2011 MARYLAND STANDARDS & SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL."

DATE: 6/3/2017
RONALD E. THOMPSON, P.E.

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

DATE: 6/3/2017
HOWARD SOIL CONSERVATION DISTRICT

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HOWARD SOIL CONSERVATION DISTRICT

DATE: 6/3/2017
HOWARD SOIL CONSERVATION DISTRICT

DATE: 6/3/20