

SHEET INDEX	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SUPPLEMENTAL TOPOGRAPHY & LANDSCAPE PLAN
3	SEDIMENT CONTROL PLAN
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5	STORMWATER MANAGEMENT DETAILS & SOIL BORINGS
6	DETAIL SHEET
7	DRAINAGE AREA & SOILS MAP
8	STORMWATER MANAGEMENT DETAILS - SAND FILTER
9	STORMWATER MANAGEMENT NOTES - SAND FILTER
10	FOREST CONSERVATION PLAN

# SUPPLEMENTAL PLAN, LANDSCAPE, TOPOGRAPHY, AND STORMWATER MANAGEMENT PLAN

# WINTER CREST

## BUILDABLE LOTS 1 THRU 8 & OPEN SPACE LOT 9

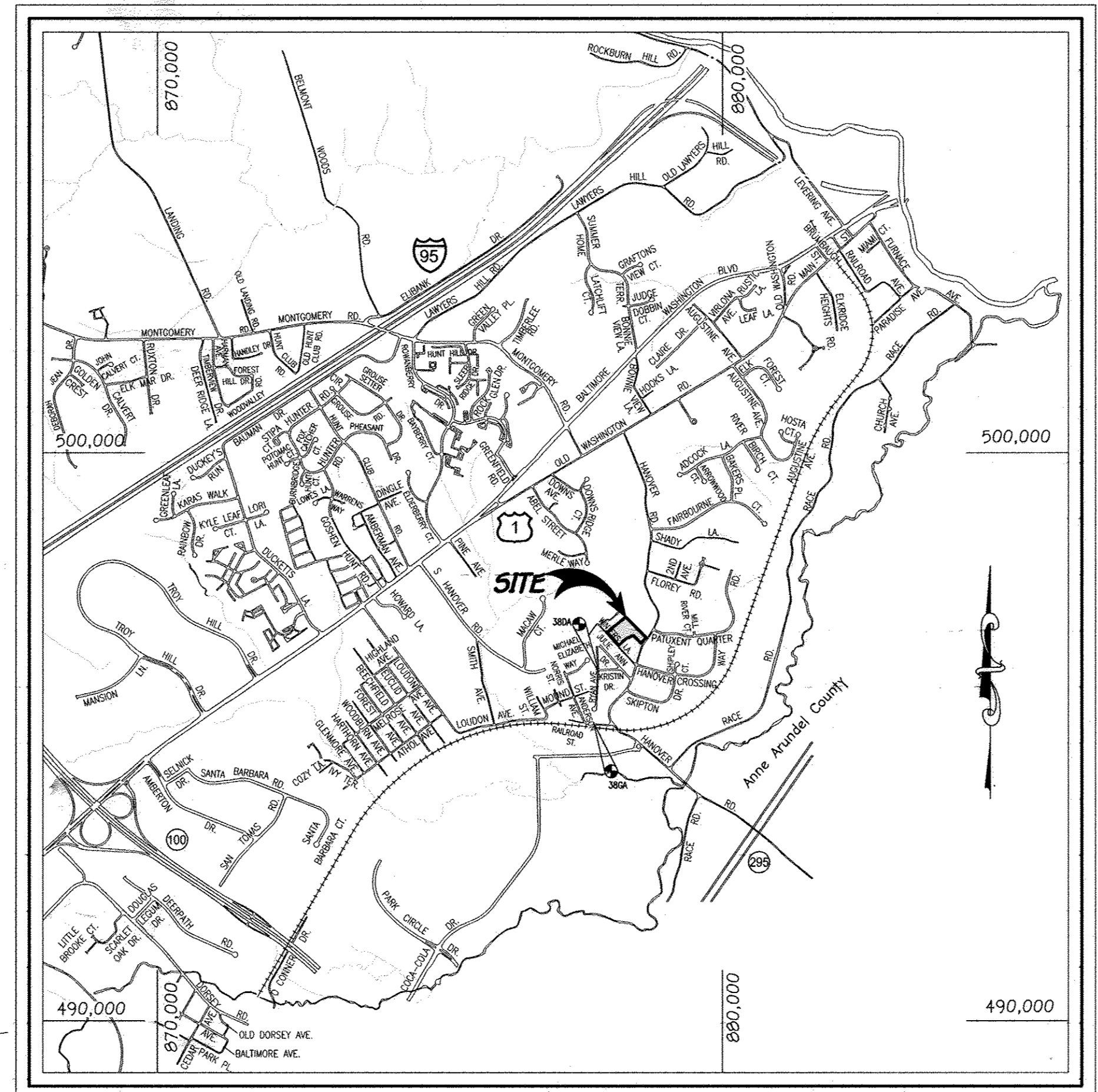
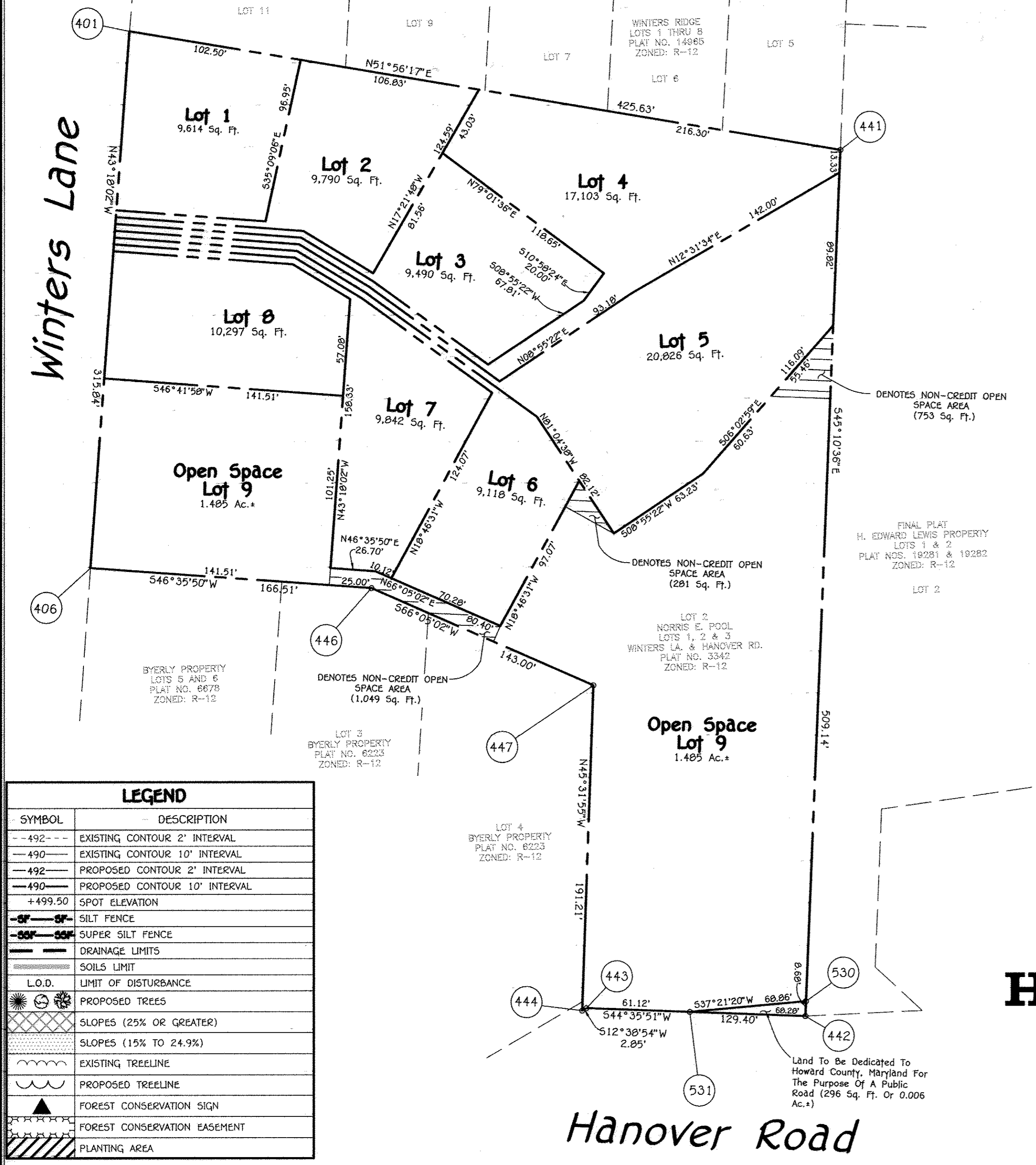
Approved: Department Of Planning And Zoning  
 10/08/12  
 Chief, Division Of Land Development  
 9/27/12  
 Chief, Development Engineering Division

(Being A Resubdivision Of Lot 2, As Shown On A Plat  
 Entitled "Norris E. Pool, Lots 1, 2 & 3, Winters La. &  
 Hanover Rd." Recorded Among The Land Records Of  
 Howard County, Maryland As Plat No. 3342)

ROADWAY INFORMATION CHART			
ROAD NAME	CLASSIFICATION	DESIGN SPEED	EASEMENT WIDTH
N/A	USE-IN-COMMON DRIVEWAY	15 M.P.H.	24'

STORMWATER MANAGEMENT PRACTICES		
LOT No.	DRY WELLS M-5 (NUMBER)	MICRO BIO-RETENTION M-6 (NUMBER)
1	2	-
2	1	-
3	1	-
4	1	-

**ZONING: R-12**  
**TAX MAP No. 38 GRID No. 15 PARCEL No. 868**



LEGEND	
SYMBOL	DESCRIPTION
---492---	EXISTING CONTOUR 2' INTERVAL
---490---	EXISTING CONTOUR 10' INTERVAL
---492---	PROPOSED CONTOUR 2' INTERVAL
---490---	PROPOSED CONTOUR 10' INTERVAL
+499.50	SPOT ELEVATION
---	SILT FENCE
---	SUPER SILT FENCE
---	DRAINAGE LIMITS
---	SOILS LIMIT
---	L.O.D. LIMIT OF DISTURBANCE
---	PROPOSED TREES
---	SLOPES (25% OR GREATER)
---	SLOPES (15% TO 24.9%)
---	EXISTING TREELINE
---	PROPOSED TREELINE
---	FOREST CONSERVATION SIGN
---	FOREST CONSERVATION EASEMENT
---	PLANTING AREA

**VICINITY MAP**  
 ADC MAP No. 17, H9  
 SCALE: 1" = 2000'

## FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

PRIVATE WELL & PRIVATE SEPTIC SYSTEM CHART				
PARCEL NO.	ADDRESS	OWNER	ABANDON WELL	ABANDON SEPTIC
868	6301 WINTERS LANE	WINTERS LANE INVESTMENTS, LLC C/O B. JAMES GREENFIELD	N/A	YES

NOTE: WATER METERS WILL NOT BE RELEASED BY HOWARD COUNTY TO ANY NEW BUILDING UNTIL THE EXISTING WELLS AND SEPTIC SYSTEMS HAVE BEEN ABANDONED IN ACCORDANCE WITH HOWARD COUNTY HEALTH DEPARTMENT REGULATIONS AND THE EXISTING BUILDINGS ARE CONNECTED TO THE PUBLIC WATER AND SEWER MAINS.

- GENERAL NOTES**
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
  - THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS / BUREAU OF ENGINEERING / CONSTRUCTION INSPECTION DIVISION AT 410-313-1800 AT LEAST (5) WORKING DAYS PRIOR TO THE START OF WORK.
  - THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
  - TRAFFIC CONTROL DEVICES, MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
  - THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM: HOWARD COUNTY MONUMENT Nos. 380A AND 38 CA WERE USED FOR THIS PROJECT.
- HOWARD COUNTY MONUMENT No. 380A N 296,706.3925 E 1,390,221.4961 ELEV. = 126.133
- HOWARD COUNTY MONUMENT No. 380A N 555,897.3157 E 1,390,132.1323 ELEV. = 80.848
- SUBJECT PROPERTY ZONED R-12 PER 02-02-04 COMPREHENSIVE ZONING PLAN AND "COMPLIET" AMENDMENTS EFFECTIVE ON 07-28-06.
  - BACKGROUND INFORMATION:  
 a. SUBDIVISION NAME: WINTER CREST  
 b. TAX MAP No. 38  
 c. PARCELS No. 868  
 d. ZONING: R-12  
 e. ELECTION DISTRICT: FIRST  
 f. GROSS AREA OF TRACT = 3.697 AC.  
 g. NUMBER OF BUILDABLE LOTS: 8  
 h. NUMBER OF OPEN SPACE LOTS: 1  
 i. NUMBER OF NON-BUILDABLE BULK PARCELS: 0  
 j. NUMBER OF BUILDABLE BULK PARCELS: 0  
 k. NUMBER OF NON-BUILDABLE PARCELS: 0  
 l. AREA OF BUILDABLE LOTS: 2.206 AC.  
 m. AREA OF OPEN SPACE LOTS: 1.489 AC.  
 n. AREA OF NON-BUILDABLE BULK PARCELS: 0.00 AC.  
 o. AREA OF BUILDABLE BULK PARCEL: 0.00 AC.  
 p. AREA OF NON-BUILDABLE PARCEL: 0.00 AC.  
 q. AREA OF ROADWAY TO BE DEDICATED: 0.006 AC.  
 r. PREVIOUS FILE NUMBERS: F-75-018, NORRIS POOL SUBDIVISION, SP-08-003 (APPROVED ON 4/10/08), WP-12-009 & F-12-033  
 s. AREA OF FLOORPLAN = 0.00 AC.  
 t. AREA OF TRACT = 3.697 AC.  
 u. NET AREA OF TRACT = 3.279 AC.  
 v. OPEN SPACE TABULATION:  
 A) OPEN SPACE REQUIRED = (8,400 SQ.FT. OPTION) = 30% x 3.697 = 1,109 AC.  
 B) TOTAL OPEN SPACE PROVIDED = 1,489 AC.  
 C) CREDITED OPEN SPACE PROVIDED = 1,437 AC.  
 D) NON-CREDITED OPEN SPACE PROVIDED = 0.048 AC.  
 E) RECREATIONAL OPEN SPACE REQUIRED = N/A (LESS THAN 10 UNITS)  
 9. ALL FILL AREAS WITHIN ROADWAYS AND UNDER STRUCTURES SHALL BE COMPACTED TO A MINIMUM OF 95% COMPACTION OF AASHTO T-180.  
 10. NO NOISE STUDY IS REQUIRED FOR THIS PROJECT.  
 11. PUBLIC WATER AND SEWER SHALL BE UTILIZED WITHIN THIS DEVELOPMENT.  
 12. EXISTING UTILITIES ARE BASED ON CONT. Nos. 44-1937 & 10-3241.  
 13. SOILS INFORMATION TAKEN FROM SOIL MAP No. 34, SOIL SURVEY, HOWARD COUNTY, MARYLAND, JULY, 1968 ISSUE.  
 14. THE EXISTING DWELLING (CIRCA 1969) LOCATED ON PROPOSED LOT 5 IS TO REMAIN.  
 15. BOUNDARY OUTLINE BASED ON FIELD RUN SURVEY PREPARED BY FISHER, COLLINS & CARTER, INC. DATED MARCH, 2006.  
 16. TOPOGRAPHIC CONTOURS BASED ON FIELD RUN TOPOGRAPHY PREPARED BY FISHER, COLLINS & CARTER, INC. DATED MARCH, 2006.  
 17. THERE ARE AREAS OF STEEP SLOPES LOCATED ON THIS PROPERTY AS DEFINED BY THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS, SECTION 15.111.6.  
 18. STORMWATER MANAGEMENT WILL BE PROVIDED IN ACCORDANCE WITH HOWARD COUNTY AND MARYLAND 37B SPECIFICATIONS. RECHARGE VOLUME WILL BE PROVIDED THROUGH THE USE OF A SURFACE SAND FILTER, ONE (1) BIO-RETENTION FACILITY AND FOUR (4) DRYWELLS. CHANNEL PROTECTION IS NOT REQUIRED SINCE THE ONE YEAR PEAK DISCHARGE IS LESS THAN 2 C.F.S. THESE FACILITIES ARE PRIVATELY OWNED AND MAINTAINED BY THE H.O.A.  
 19. THE 24' PRIVATE USE-IN-COMMON ACCESS EASEMENT AND MAINTENANCE AGREEMENT FOR THE BENEFIT OF LOTS 2 THRU 7 AND OPEN SPACE LOT 9 WILL BE RECORDED SIMULTANEOUSLY WITH THE RECORDATION OF THIS PLAT.  
 20. THERE ARE NO FLOODPLAIN AND NO WETLANDS LOCATED ON-SITE FOR THIS PROJECT.  
 21. THE TRAFFIC STUDY FOR THIS PROJECT WAS PREPARED BY THE HARS GROUP DATED APRIL, 2007 AND APPROVED UNDER SP-08-003.  
 22. THE FOREST CONSERVATION REQUIREMENTS PER SECTION 16.1200 OF THE HOWARD COUNTY CODE AND THE FOREST CONSERVATION MANUAL FOR THIS SUBDIVISION WILL BE FULFILLED BY PROVIDING 0.718 AC. OF ON-SITE RETENTION AND 0.32 AC. OF ON-SITE REFORESTATION. SURETY FOR THE ON-SITE REFORESTATION @ \$0.50/SQ.FT. FOR 13,939 SQ.FT. = \$4,970.00 IS REQUIRED. THE BALANCE OF 0.08 ACRES OF FOREST CONSERVATION REQUIRED WILL BE PROVIDED VIA A FE-IN-LIEU PAYMENT IN THE AMOUNT OF \$884.00 ( \$71.50/AC. X \$975.00 = \$69,675.00 )  
 23. THE LANDSCAPE SURETY IN THE AMOUNT OF \$2,350.00 FOR REPERTISE LANDSCAPE REQUIREMENTS (18 SHADE TREES AND 13 EVERGREEN TREES) OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL IS POSTED WITH THE DEVELOPER'S AGREEMENT FOR THIS SUBDIVISION.  
 24. THE FOREST STAND DELINEATION AND WETLAND DELINEATION FOR THIS PROJECT WAS PREPARED BY ESA, INC. DATED JULY, 2007 AND APPROVED UNDER SP-08-003.  
 25. THIS PROPERTY IS LOCATED WITHIN THE METROPOLITAN DISTRICT.  
 26. FOR FLAG OR PIPESTEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPESTEM AND THE ROAD R/W LINE AND NOT THE PIPESTEM LOT DRIVEWAY.  
 27. NO CEMETERIES EXIST WITHIN THIS SUBDIVISION.  
 28. THE PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS HAVE BEEN APPROVED.  
 29. SIGN POSTS: ALL SIGN POST USED FOR TRAFFIC CONTROL. SIGNS INSTALLED IN THE COUNTY RIGHT-OF-WAY SHALL BE MOUNTED ON A 2" GALVANIZED STEEL PERFORATED, SQUARE TUBE POST (14 GAUGE) INSERTED INTO A 2-1/2" GALVANIZED STEEL PERFORATED, SQUARE TUBE SLEEVE (12 GAUGE) - 3' LONG. A GALVANIZED STEEL POLE CAP SHALL BE MOUNTED ON TOP OF EACH POST.  
 30. DRIVEWAY (S) SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING (MINIMUM) REQUIREMENTS:  
 A) WIDTH - 12 FEET (15 FEET IF SERVING MORE THAN ONE RESIDENCE)  
 B) SURFACE - SIX (6") INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING  
 C) GEOMETRY - MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE AND MINIMUM OF 45 FOOT TURNING RADIUS  
 D) STRUCTURES (CULVERTS/PARKINGS) CAPABLE OF SUPPORTING 25 GROSS TONS (NETS LOADING)  
 E) DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE  
 F) STRUCTURE CLEARANCES - MINIMUM 12 FEET  
 G) MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE  
 31. DRIVEWAYS SHALL BE PROVIDED IN ACCORDANCE WITH HOWARD COUNTY STANDARD DETAIL R-6.06 IN THE VOL. 1 DESIGN MANUAL.  
 32. THE OVERHEAD ELECTRIC LINES LOCATED ON OPEN SPACE LOT 9 WILL BE RELOCATED TO AN AREA OUTSIDE THE PROPOSED FOREST CONSERVATION EASEMENT.  
 33. DOCUMENTATION OF THE PROPER ABANDONMENT OF SEPTIC SYSTEMS WILL BE SUBMITTED TO THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO SUBMISSION OF FINAL PLAN ORIGINALS FOR SIGNATURE APPROVAL.  
 34. "NO GRADING, CLEARING, DUMPING OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT. HOWEVER, FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF FOREST CONSERVATION EASEMENT ARE ALLOWED."  
 35. AN ADDRESS RANGE SIGN SHALL BE PROVIDED FOR LOTS 2-7 AT THE INTERSECTION OF WINTERS LANE AND THE USE-IN-COMMON DRIVEWAY. EACH NUMBER SHALL BE A MINIMUM OF 3" FLUOR BLOCK LETTERING. IN ADDITION, THERE SHALL BE AN ADDRESS SIGN AT THE POINT WHERE EACH INDIVIDUAL DRIVEWAY INTERSECTS WITH THE USE-IN-COMMON DRIVEWAY.  
 36. THE GEOTECHNICAL REPORT FOR THIS PROJECT WAS PREPARED BY GEO-TECHNOLOGY ASSOC., INC. DATED MARCH, 2007 AND APPROVED UNDER SP-08-003.  
 37. OPEN SPACE LOT 9 TO BE OWNED AND MAINTAINED BY THE WINTER CREST HOMEOWNERS ASSOCIATION, INC.  
 38. THE PRIVATE SEPTIC TO BE PROPERLY ABANDONED PRIOR TO SIGNATURE OF THE FINAL PLAT. THE SEPTIC WILL BE PUMPED, COLLARED AND FILL TO BE RECORDED TO HOLD THE DEVELOPER RESPONSIBLE FOR MAINTENANCE AND REMOVAL OF ALL SEPTIC EASEMENTS THAT EXCEED THE PROPOSED LOT LINE BOUNDARIES ONCE PUBLIC SEWER IS GRANTED.

### Winter Crest Buildable Lots 1 Thru 8 And Open Space Lot 9

(Being A Resubdivision Of Lot 2, As Shown On A Plat Entitled  
 "Norris E. Pool, Lots 1, 2 & 3, Winters La. & Hanover Rd."  
 Recorded Among The Land Records Of Howard County, Maryland As  
 Plat No. 3342)

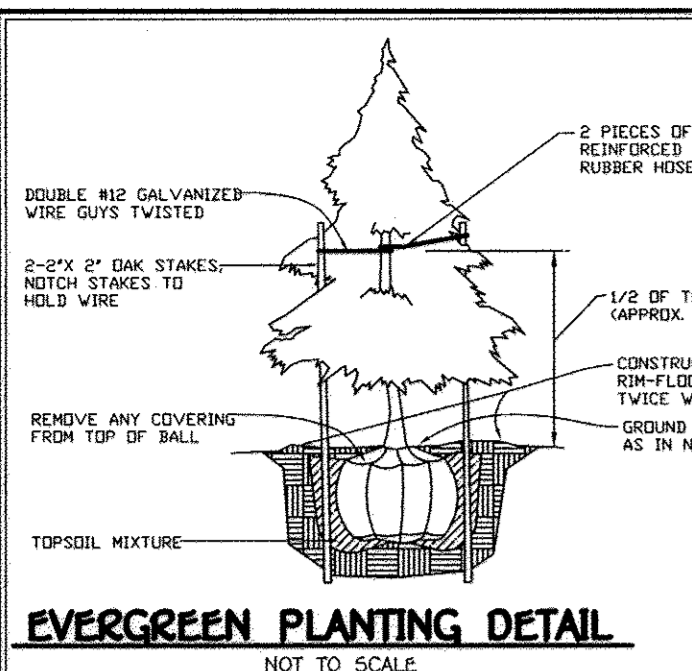


I hereby certify that these documents have been prepared by me, and I am duly Licensed Professional Engineer under the laws of the State of Maryland, License No. 20748, Expiration Date 2-22-13.  
 Date: 9/26/12  
 Sheet 1 of 10

**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
 ELICOTT CITY, MARYLAND 21042  
 (410) 461-2999

**Owner/Developer**  
 Winters Lane Investments, LLC  
 c/o B. James Greenfield  
 6400 Autumn Sky Way  
 Columbia, Maryland 21044  
 Phone: (443) 324-4732

**Hanover Road  
PLAN**  
 SCALE: 1" = 50'



"At the time of plant installation, all trees listed and approved on the landscape Plan, shall comply with the proper height requirement in accordance with the Howard County Landscape Manual. In addition, no substitutions or relocations of the required plantings may be made without prior review and approval from the Department of Planning and Zoning. Any deviations from the approved Landscape Plan may result in denial or delay in the release of landscape surety until such time as all required materials are planted and/or revisions are made to the road drawing plans."

Approved: Department Of Planning And Zoning  
 Chief, Division Of Land Development  
 Chief, Development Engineering Division

10/08/12 Date  
 9/27/12 Date

"The Owner, tenants and/or their agents shall be responsible for maintenance of the required perimeter landscaping. All plant materials shall be maintained in good growing condition, and when necessary, replaced with new materials to ensure continued compliance with applicable regulations. All the other required landscaping shall be permanently maintained in good condition, and when necessary, repaired or replaced."

SCHEDULE A PERIMETER LANDSCAPE EDGE								
PERIMETER	CATEGORY (PROPERTIES/ROADWAYS)	LANDSCAPE TYPE	LINEAR FEET OF ROADWAY FRONTAGE PERIMETER	CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	CREDIT FOR WALL, FENCE OR BESH (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NUMBER OF PLANTS REQUIRED		
						SHADE TREES	EVERGREEN TREES	SHRUBS
P-1	FRONT TO ROADWAY	N/A	204'	NO	NO	-	-	-
P-2	ADJACENT TO PERIMETER	A	426'	YES (60')	NO	6	-	-
P-3	ADJACENT TO PERIMETER	A	509'	YES (245') & 11 TREES	NO	0	-	-
P-4	ADJACENT TO ROADWAY	B	129'	YES (100%)	NO	0	-	-
P-5	ADJACENT TO PERIMETER	A	191'	YES (100%)	NO	0	-	-
P-6	ADJACENT TO PERIMETER	A	168'	YES (72')	NO	2	-	-
TOTAL						8	0	0

SCHEDULE D STORMWATER MANAGEMENT AREA LANDSCAPING	
LINEAR FEET OF TYPE "B" PERIMETER	D1: 506'
CREDIT FOR EXISTING VEGETATION (NO, YES AND %)	NO
CREDIT FOR OTHER LANDSCAPING (NO, YES AND %)	NO
REMAINING PERIMETER	506'
NUMBER OF TREES REQUIRED:	
SHADE TREES	10
EVERGREEN TREES	13

SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
---	EXISTING CONTOUR 10' INTERVAL
---	PROPOSED CONTOUR 2' INTERVAL
---	PROPOSED CONTOUR 10' INTERVAL
+	SPOT ELEVATION
---	EROSION CONTROL MATTING (ECM)
○	PROPOSED TREES
---	SLOPES (25% OR GREATER)
---	SLOPES (15% TO 24.9%)
---	EXISTING TREELINE
---	PROPOSED TREELINE
▲	FOREST CONSERVATION SIGN
---	FOREST CONSERVATION EASEMENT
---	PLANTING AREA

SYMBOL	QTY.	BOTANICAL AND COMMON NAME	SIZE
○	18	ACER RUBRUM "OCTOBER GLORY" RED MAPLE	2 1/2" - 3" CAL.
○	7	ILEX OPACA AMERICAN HOLLY	5' - 6' HT.
○	6	PINUS STROBUS EASTERN WHITE PINE	6' - 8' HT.

This plan has been prepared in accordance with the provision of Section 16.124 of the Howard County Code and Landscape Manual. Financial surety for the required 18 shade and 13 evergreen trees will be posted as part of the Developer's Agreement in the amount of \$7,350.00.

**LANDSCAPE DEVELOPER'S CERTIFICATE**  
 I/We certify that the landscaping shown on this plan will be done according to the plan, Section 16.124 of the Howard County Code and the Howard County Landscape Manual. I/We further certify that upon completion a certification of landscape installation accompanied by an executed one year guarantee of plant materials will be submitted to the Department of Planning and Zoning.

**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTRAL SQUARE OFFICE PARK - 10272 BALDORNE NATIONAL PIKE  
 ELIJAH CITY, MARYLAND 21042  
 (410) 461-2292

Name: *R. James O'Neil* Date: *9/12/12*

**PLAN**  
 SCALE: 1" = 40'

**Owner/Developer**  
 Winters Lane Investments, LLC  
 c/o B. James Greenfield  
 6450 Autumn Sky Way  
 Columbia, Maryland 21044  
 Phone# (443) 324-4732

**AS-BUILT CERTIFICATION FOR PSWM**  
 I hereby certify that the facility shown on the "AS BUILT" plans and specifications, and complies with the approved plans and specifications. I have verified that the stormwater drainage area is sufficient to handle the design storm without clogging of the underdrains.

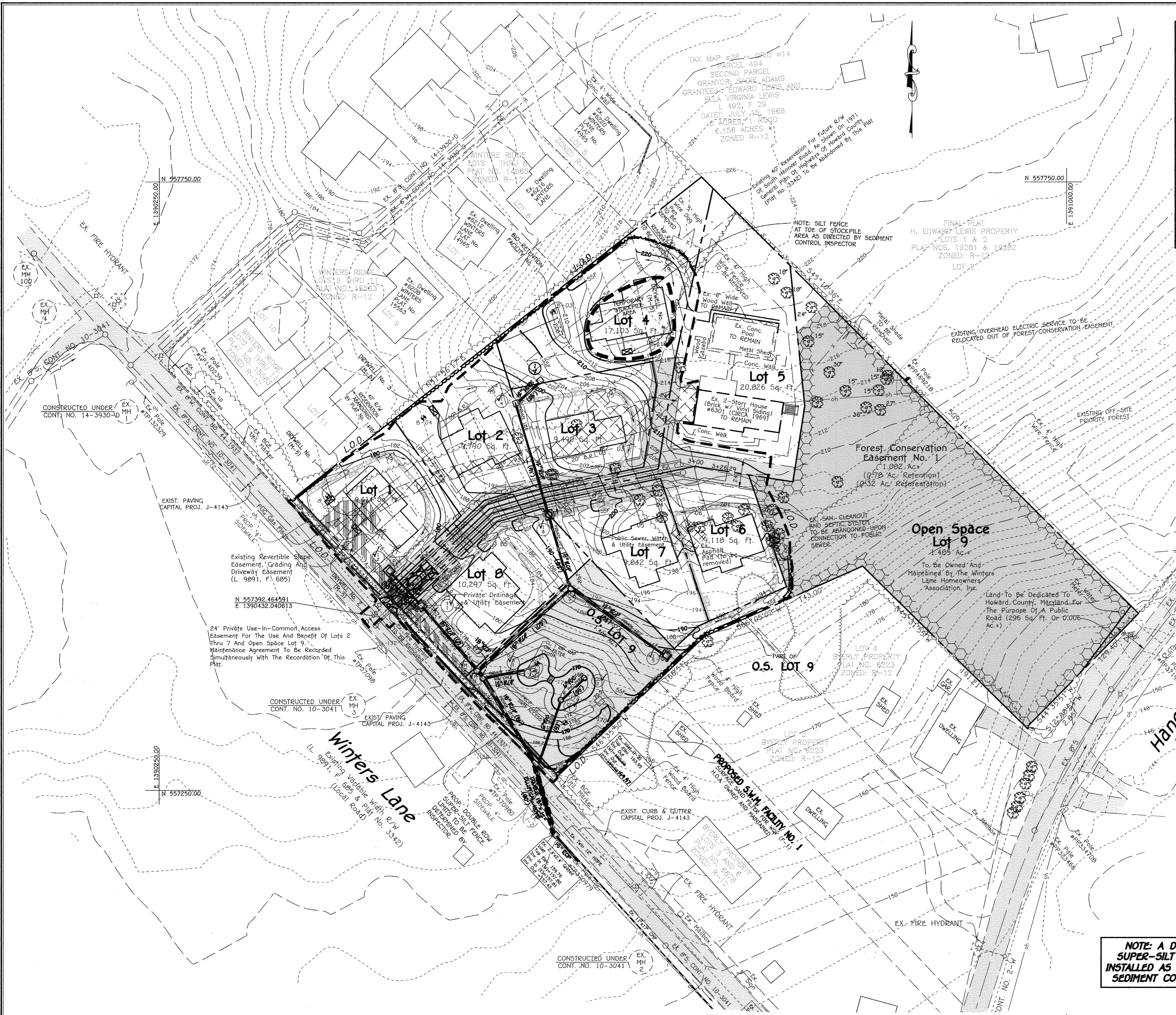
*[Signature]*  
 ALDO R. MURPHY, PE, 19-0745  
 3/20/12 Date

**PROFESSIONAL ENGINEER**  
 ALDO R. MURPHY, PE  
 19-0745  
 9/12/12 Date

**Supplemental, Topography & Landscape Plan**  
**Winter Crest**  
 Buildable Lots 1 Thru 8 And  
 Open Space Lot 9  
 (Being A Resubdivision Of Lot 2, As Shown On A Plat Entitled "Norris E. Pool, Lots 1, 2 & 3, Winters La. & Hanover Rd." Recorded Among The Land Records Of Howard County, Maryland As Plat No. 3342)  
 Tax Map: 38, Grid: 15, Parcel: 868  
 First Election District - Howard County, Maryland  
 Date: August 28, 2012 Scale: As Shown  
 Sheet 2 of 10

**"AS-BUILT"** F-12-076

1:2005105129(Supplemental Plan (F-PW00)05129 SHEET 2-4-6.7 SUPPLEMENTAL PLAN.dwg, SHEET 2, 9/17/2012 1:20:00 PM, 1:1



LEGEND	
SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
---	EXISTING CONTOUR 10' INTERVAL
---	PROPOSED CONTOUR 2' INTERVAL
---	PROPOSED CONTOUR 10' INTERVAL
•	SPOT ELEVATION
---	SILT FENCE
---	SUPER SILT FENCE
---	DRAINAGE LIMITS
---	SOILS LIMIT
---	L.O.D. LIMIT OF DISTURBANCE
☀	PROPOSED TREES
☀	SLOPES (25% OR GREATER)
☀	SLOPES (15% TO 24.9%)
---	EXISTING TREELINE
---	PROPOSED TREELINE
▲	FOREST CONSERVATION SIGN
---	FOREST CONSERVATION EASEMENT
---	PLANTING AREA
---	EROSION CONTROL MATTING

By The Developer:

"I/We Certify That All Development And/Or Construction Will Be Done According To These Plans 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 Shall Engage A Registered Professional Engineer To Supervise Pond Construction And Provide Erosion Control Plans. I Also Authorize Periodic On-Site Inspections By The Howard Soil Conservation District."

Signature of Developer: *[Signature]* Date: 9/12/12

Printed Name of Developer: **JIM GRANITZ**

By The Engineer:

"I Certify That This Plan For Pond Construction, Erosion And Sediment Control Represents A Practical And Feasible Design Based On My Personal Knowledge Of The Site Conditions. This Plan Was Prepared In Accordance With The Requirements Of The Howard Soil Conservation District. I Have Verified That The Plans Meet The Requirements Of The Howard Soil Conservation District For Erosion Control And Sediment Control."

Signature of Engineer: *[Signature]* Date: 9/12/12

Printed Name of Engineer: **John R. Reiter**

These Plans For Pond Construction, Soil Erosion And Sediment Control Meet The Requirements Of The Howard Soil Conservation District.

Signature of Engineer: *[Signature]* Date: 9/13/12

Printed Name of Engineer: **John R. Reiter**

Approved: Department of Planning And Zoning

Signature: *[Signature]* Date: 10/28/12

Chief, Division Of Land Development

Signature: *[Signature]* Date: 9/27/12

Chief, Development Engineering Division

AS-BUILT CERTIFICATION

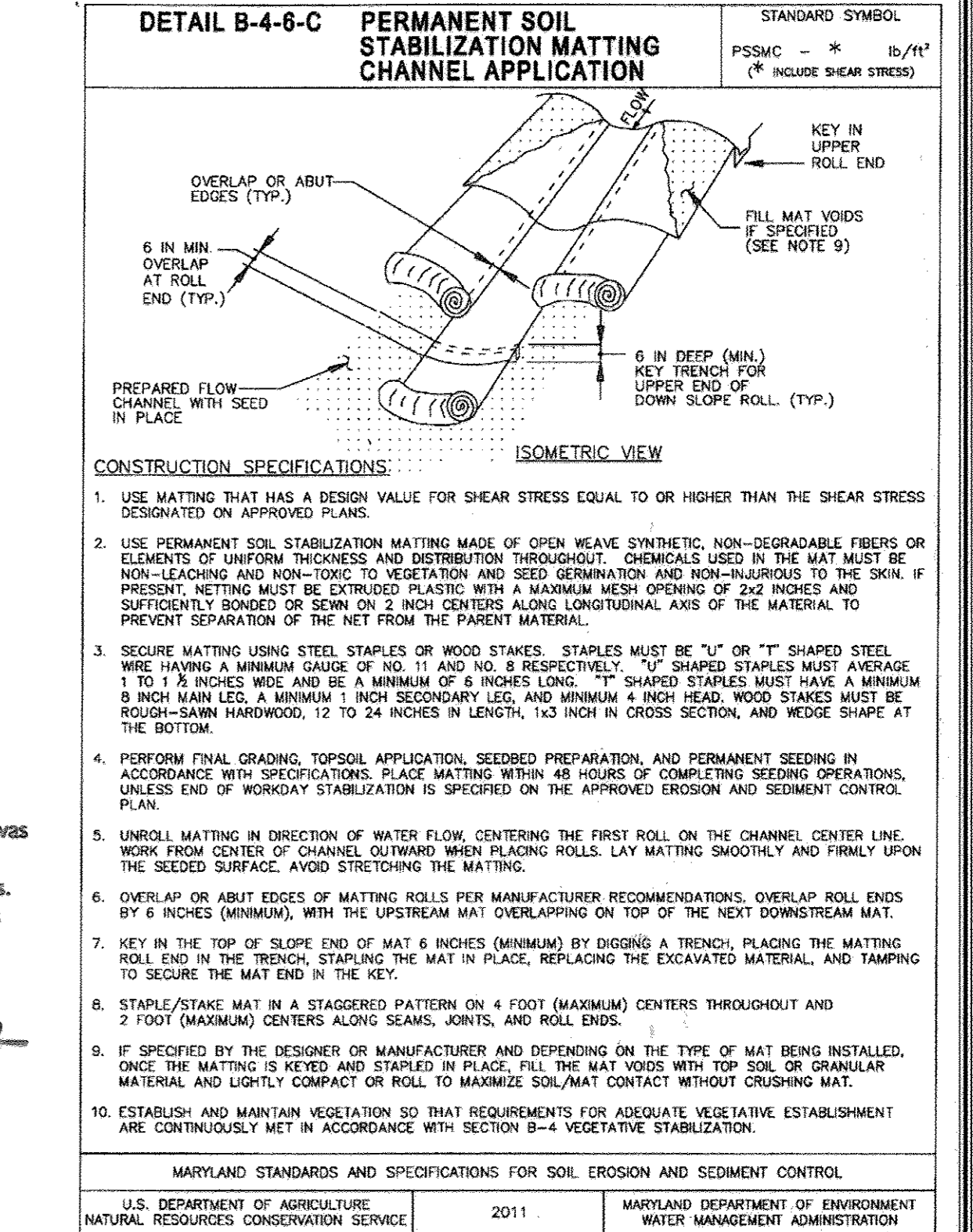
I hereby certify that the facility shown on this plan was constructed as shown on the "As-Built" Plans and Meets The Approved Plans and Specifications.

Signature: \_\_\_\_\_ P.E. No. \_\_\_\_\_

Date: \_\_\_\_\_

Certify Means To State Or Declare A Professional Opinion Based Upon Onsite Inspections And Material Tests Which Are Conducted During Construction. The Onsite Inspections And Material Tests Are Those Inspections And Tests Deemed Sufficient And Appropriate Commonly Accepted Engineering Standards. Certify Does Not Mean Or Imply A Guarantee By The Engineer Nor Does An Engineer's Certification Relieve Any Other Party From Meeting Requirements Imposed By Contract, Employment, Or Other Means, Including Meeting Commonly Accepted Industry Practices.

REVISIONS		
NO.	DESCRIPTION	DATE



**AS-BUILT CERTIFICATION FOR PSMW**

I hereby certify that the facility shown on the plan was constructed as shown on the "AS BUILT" plans and complies with the approved plans and specifications. I have verified that the existing drainage area is sufficiently stabilized. The logging of the undergrowth is complete.

Signature: *[Signature]* Date: 3/2/13

Professional Engineer Seal: *[Seal]*

**NOTE: A DOUBLE ROW OF SUPER-SILT FENCE IS TO BE INSTALLED AS REQUESTED BY THE SEDIMENT CONTROL INSPECTOR.**

**PLAN**  
SCALE: 1" = 40'

**Owner/Developer**  
Winters Lane Investments, LLC  
c/o B. James Greenfield  
6420 Autumn Sky Way  
Columbia, Maryland 21044  
Phone: (443) 324-4732

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CORNELL SQUARE OFFICE PARK - 10272 BALDWIN NATIONAL PIKE  
ELICOTT CITY, MARYLAND 21042  
(410) 461-2999

Professional Engineer Seal: *[Seal]*  
Signature: *[Signature]* Date: 9/12/12

**Sediment Control Plan**  
**Winter Crest**  
Buildable Lots 1 Thru 8 And  
Open Space Lot 9  
(Being A Resubdivision Of Lot 2, As Shown On A Plat Entitled "Norris E. Pool, Lots 1, 2 & 3, Winters Ln. & Hanover Rd." Recorded Among The Land Records Of Howard County, Maryland As Plat No. 3342)  
Zoned: R-12  
Tax Map: 30, Grid: 15, Parcel: 066  
First Election District - Howard County, Maryland  
Date: August 20, 2012 Scale: As Shown  
Sheet 3 of 10

"AS-BUILT" F-12-076



**LOG OF BORING NO. B-01**

PROJECT: Winters Lane  
 PROJECT NO: 07070  
 PROJECT LOCATION: Howard County, Maryland

DATE STARTED: March 2, 2007  
 DATE COMPLETED: March 2, 2007  
 DRILLING CONTRACTOR: Geo-Technology Associates  
 DRILLER: P. Stephens  
 LOGGED BY: P. Stephens  
 CHECKED BY: K. Ngai

WATER LEVEL: 2.00  
 DATE: 3/2/07  
 GROUND SURFACE ELEVATION: 174.8  
 DATE: 3/2/07  
 EQUIPMENT: CME-500  
 LOGGED BY: P. Stephens  
 CHECKED BY: K. Ngai

DEPTH (FEET)	DESCRIPTION	REMARKS
0.0	Gravel and sand, wet to moist, very loose, silty SAND, trace Organic (Small Rocks)	Topsoil 2 in.
1.0	ASHTO: A-4	
2.0	ASHTO: A-4	Water Not Encountered During Drilling
3.0	ASHTO: A-4	
4.0	ASHTO: A-4 to A-4.4	
5.0	ASHTO: A-4	
6.0	Bottom of Hole at 10.0 Feet.	

**LOG OF BORING NO. B-02**

PROJECT: Winters Lane  
 PROJECT NO: 07070  
 PROJECT LOCATION: Howard County, Maryland

DATE STARTED: March 2, 2007  
 DATE COMPLETED: March 2, 2007  
 DRILLING CONTRACTOR: Geo-Technology Associates  
 DRILLER: P. Stephens  
 LOGGED BY: P. Stephens  
 CHECKED BY: K. Ngai

WATER LEVEL: 2.00  
 DATE: 3/2/07  
 GROUND SURFACE ELEVATION: 186.6  
 DATE: 3/2/07  
 EQUIPMENT: CME-500  
 LOGGED BY: P. Stephens  
 CHECKED BY: K. Ngai

DEPTH (FEET)	DESCRIPTION	REMARKS
0.0	Gravel and sand, wet to moist, very loose, silty SAND, trace Organic (Small Rocks)	Topsoil 2 in.
1.0	ASHTO: A-4	
2.0	ASHTO: A-4	Water Not Encountered During Drilling
3.0	ASHTO: A-4	
4.0	ASHTO: A-4	
5.0	ASHTO: A-4	
6.0	Bottom of Hole at 10.0 Feet.	

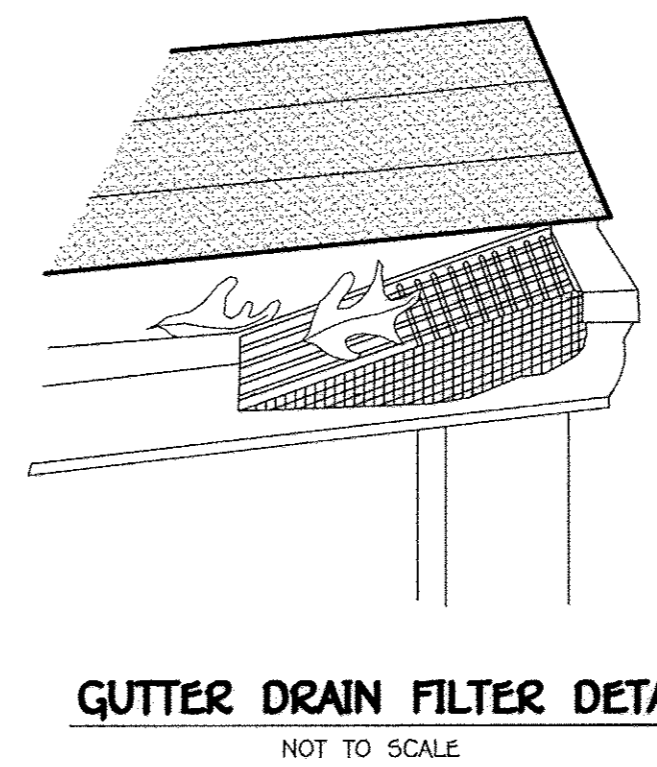
**LOG OF BORING NO. B-03**

PROJECT: Winters Lane  
 PROJECT NO: 07070  
 PROJECT LOCATION: Howard County, Maryland

DATE STARTED: March 2, 2007  
 DATE COMPLETED: March 2, 2007  
 DRILLING CONTRACTOR: Geo-Technology Associates  
 DRILLER: P. Stephens  
 LOGGED BY: P. Stephens  
 CHECKED BY: K. Ngai

WATER LEVEL: 2.00  
 DATE: 3/2/07  
 GROUND SURFACE ELEVATION: 208.3  
 DATE: 3/2/07  
 EQUIPMENT: CME-500  
 LOGGED BY: P. Stephens  
 CHECKED BY: K. Ngai

DEPTH (FEET)	DESCRIPTION	REMARKS
0.0	Gravel and sand, wet to moist, very loose to loose, silty SAND with Gravel.	Topsoil 3 in.
1.0	ASHTO: A-4	
2.0	ASHTO: A-4	
3.0	ASHTO: A-4	
4.0	ASHTO: A-4	Water Not Encountered During Drilling
5.0	ASHTO: A-4	
6.0	Bottom of Hole at 10.0 Feet.	



**Operation and Maintenance Schedule for Drywells (M-5)**

- The owner shall inspect the monitoring wells and structures on a quarterly basis and after every heavy storm event.
- The owner shall record the water levels and sediment build up in the monitoring wells over a period of several days to insure trench drainage.
- The owner shall maintain a log book to determine the rate at which the facility drains.
- When the facility becomes clogged so that it does not drain down within a seventy two (72) hour time period, corrective action shall be taken.
- The maintenance log book shall be available to Howard County for inspection to insure compliance with operation and maintenance criteria.
- Once the performance characteristics of the infiltration facility have been verified, the monitoring schedule can be reduced to an annual basis unless the performance data indicates that a more frequent schedule is required.

**LOG OF BORING NO. B-04**

PROJECT: Winters Lane  
 PROJECT NO: 07070  
 PROJECT LOCATION: Howard County, Maryland

DATE STARTED: March 2, 2007  
 DATE COMPLETED: March 2, 2007  
 DRILLING CONTRACTOR: Geo-Technology Associates  
 DRILLER: P. Stephens  
 LOGGED BY: P. Stephens  
 CHECKED BY: K. Ngai

WATER LEVEL: 2.00  
 DATE: 3/2/07  
 GROUND SURFACE ELEVATION: 188.3  
 DATE: 3/2/07  
 EQUIPMENT: CME-500  
 LOGGED BY: P. Stephens  
 CHECKED BY: K. Ngai

DEPTH (FEET)	DESCRIPTION	REMARKS
0.0	Gravel and sand, wet to moist, very loose, silty SAND with Gravel, trace Organic (Small Rocks, Vegetation)	Topsoil 2 in.
1.0	ASHTO: A-4	
2.0	ASHTO: A-4	Water Not Encountered During Drilling
3.0	ASHTO: A-4	
4.0	ASHTO: A-4	
5.0	ASHTO: A-4	
6.0	Bottom of Hole at 10.0 Feet.	

**LOG OF BORING NO. B-05**

PROJECT: Winters Lane  
 PROJECT NO: 07070  
 PROJECT LOCATION: Howard County, Maryland

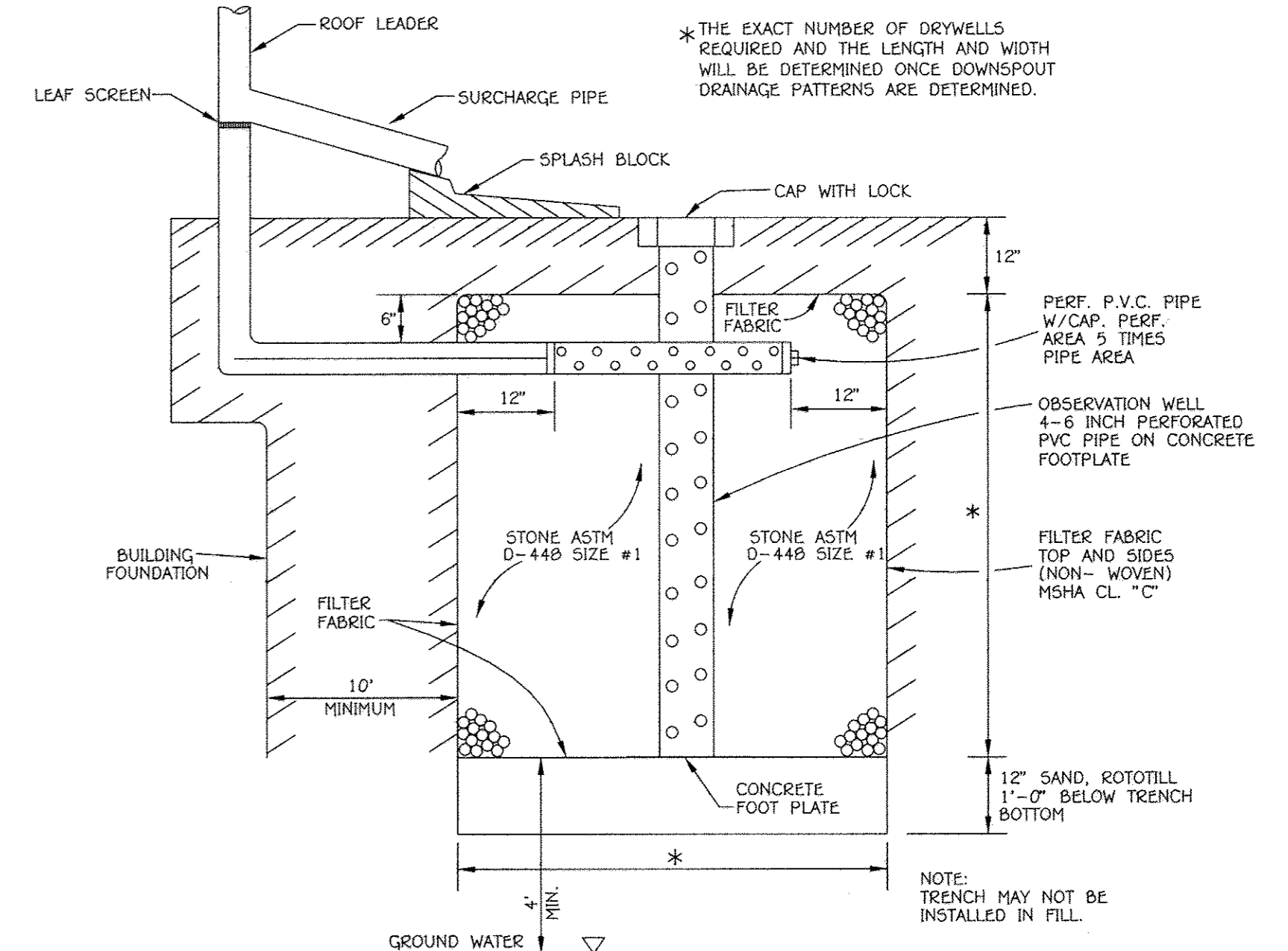
DATE STARTED: March 2, 2007  
 DATE COMPLETED: March 2, 2007  
 DRILLING CONTRACTOR: Geo-Technology Associates  
 DRILLER: P. Stephens  
 LOGGED BY: P. Stephens  
 CHECKED BY: K. Ngai

WATER LEVEL: 2.00  
 DATE: 3/2/07  
 GROUND SURFACE ELEVATION: 177.9  
 DATE: 3/2/07  
 EQUIPMENT: CME-500  
 LOGGED BY: P. Stephens  
 CHECKED BY: K. Ngai

DEPTH (FEET)	DESCRIPTION	REMARKS
0.0	Dark brown and grey, moist, loose, silty SAND with Organic (Tree Bark and Wood)	Topsoil 2 in.
1.0	ASHTO: A-4	
2.0	ASHTO: A-4	Water Not Encountered During Drilling
3.0	ASHTO: A-4	
4.0	ASHTO: A-3	
5.0	ASHTO: A-3	
6.0	Bottom of Hole at 10.0 Feet.	

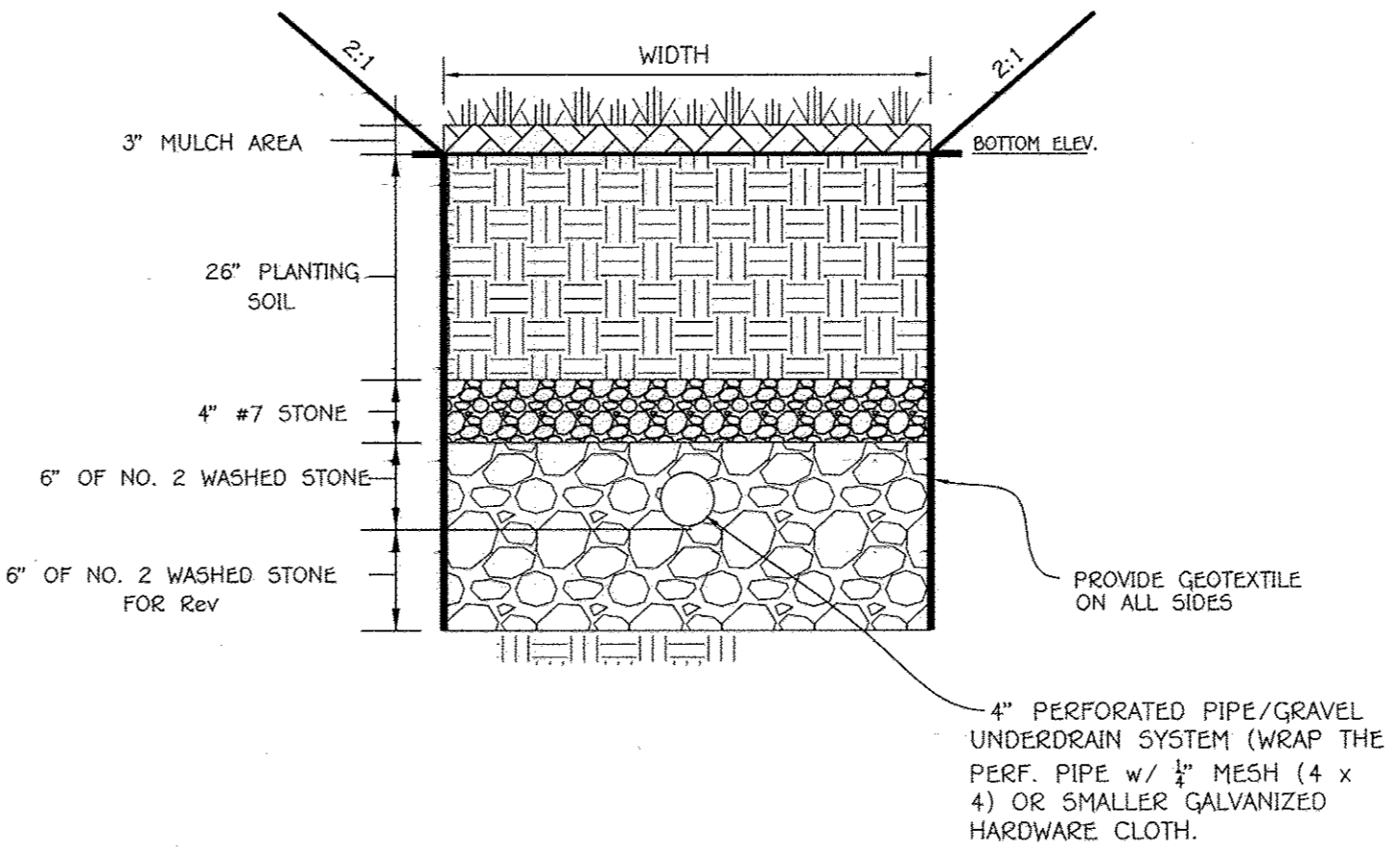
**Operation and Maintenance Schedule for Micro Bio-Retention Areas (M-6)**

- The owner shall maintain the plant material, mulch layer and soil layer annually, maintenance of mulch and soil is limited to correcting areas of erosion or wash out. Any mulch replacement shall be done in the spring. Plant material shall be checked for disease and insect infestation and maintenance will address dead material and pruning. Acceptable replacement plant material is limited to the following: 2000 Maryland stormwater design manual volume II, table A.4.1 and 2.
- The owner shall perform a plant in the spring and in the fall each year, during the inspection, the owner shall remove dead and diseased vegetation considered beyond treatment, replace dead plant material with acceptable replacement plant material, treat diseased trees and shrubs and replace all deficient stakes and wires.
- The owner shall inspect the mulch each spring. The mulch shall be replaced every two to three years. The previous mulch layer shall be removed before the new layer is applied.
- The owner shall correct soil erosion on an as needed basis, with a minimum of once per month and after each heavy storm.



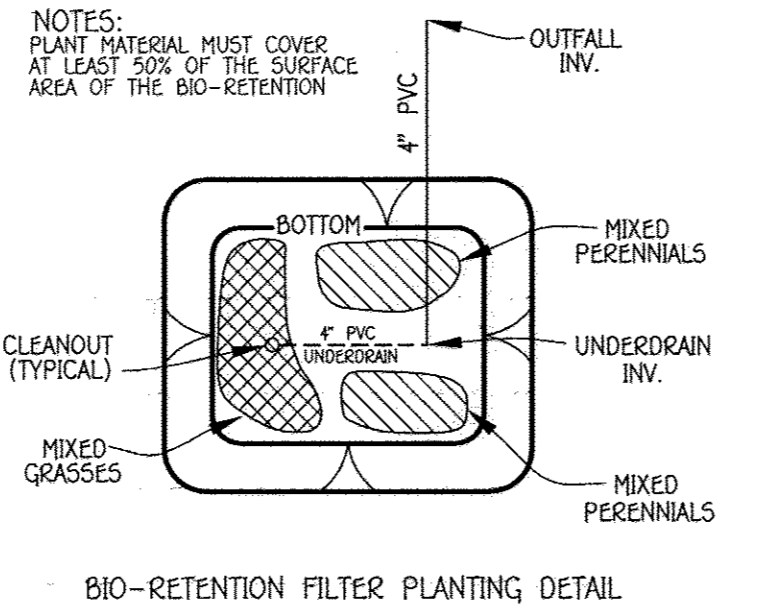
**DRY WELL CHART**

LOT NO.	NO. OF DOWNSPOUTS	AREA OF ROOF PER DOWN SPOUT	VOLUME REQUIRED	AREA OF STORAGE	AREA OF TREATMENT	NO. OF DRYWELLS	* O L W
LOT 1	4	424 SF, 423 SF, 491 SF, 222 SF	125 CF	100%	100%	2	6.5' x 8' x 4'
LOT 2	2	418 SF, 420 SF	67 CF	100%	100%	1	6.5' x 8' x 4'
LOT 4	2	498 SF, 498 SF	80 CF	100%	100%	1	6.5' x 8' x 4'



**PLANT MATERIAL-BIO-RETENTION FILTER No. 1**

QUANTITY	NAME	MAXIMUM SPACING (FT.)
30	MIXED PERENNIALS	1 FT.
30	MIXED GRASSES	1 FT.



**MICRO BIO-RETENTION DATA**

LOT NO.	NO.	LENGTH	WIDTH	BOTTOM	UNDERDRAIN INV.	OUTFALL INV.
4	1	25'	6'	208.0	205.0	204.0

**STORMWATER MANAGEMENT NOTES**

- STORMWATER MANAGEMENT IS PROVIDED IN ACCORDANCE WITH THE 2000 MARYLAND STORMWATER DESIGN MANUAL.
- CREDITS ARE GIVEN FOR DISCONNECTION OF IMPERVIOUS COVERS.
- MAXIMUM CONTRIBUTING ROOF TOP AREA TO EACH DOWNSPOUT SHALL BE LESS THAN 500 SF.
- DRYWELLS SHALL BE PROVIDED AT LOCATIONS WHERE THE LENGTH OF DISCONNECTION IS LESS THAN 75' AT 5% THE SIZE AND CONSTRUCTION OF THE DRYWELL SHALL BE IN ACCORDANCE WITH THE FIGURE 5.2 OF THE MANUAL AND THE DETAIL SHOWN ON THIS SHEET.
- FINAL GRADING IS SHOWN ON THIS SITE DEVELOPMENT PLAN.

Professional Engineer  
 State of Maryland  
 License No. 20748, Expiration Date 2-22-13

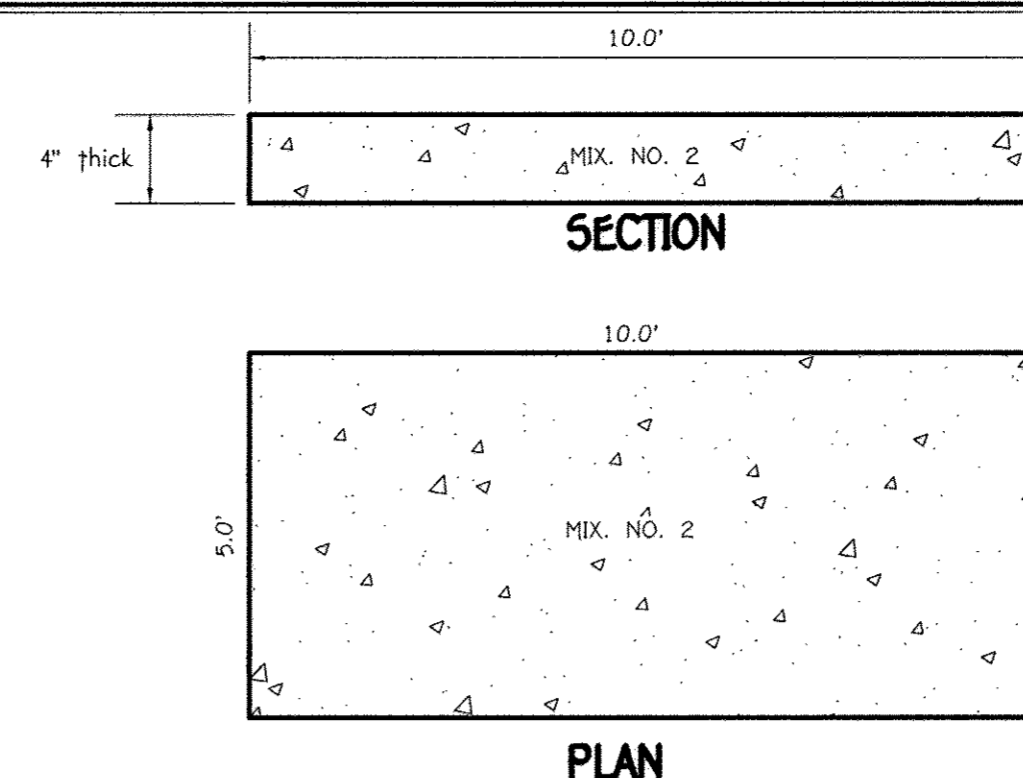
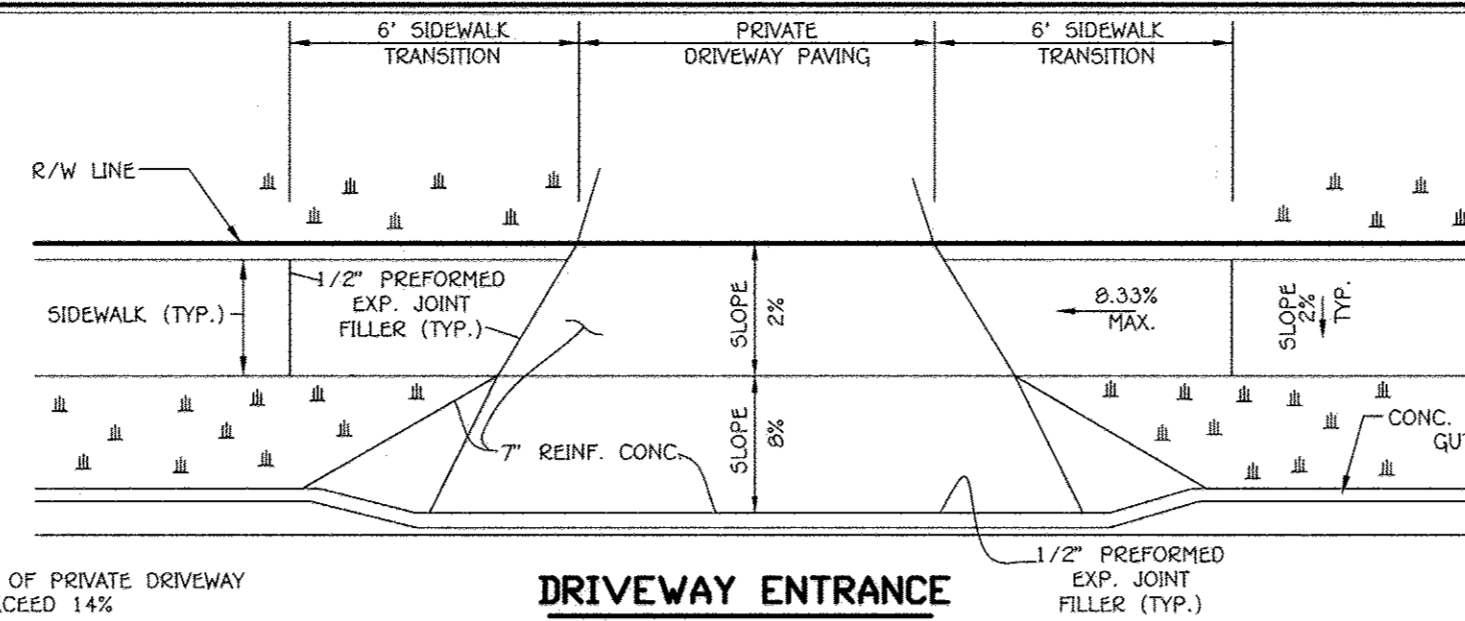
**Stormwater Management Details & Soil Borings**

**Winter Crest**  
 Buildable Lots 1 Thru 8 And  
 Open Space Lot 9

(Being A Resubdivision Of Lot 2, As Shown On A Plat Entitled "Norris E. Pool, Lots 1, 2 & 3, Winters La. & Hanover Rd." Recorded Among The Land Records Of Howard County, Maryland As Plat No. 3342)

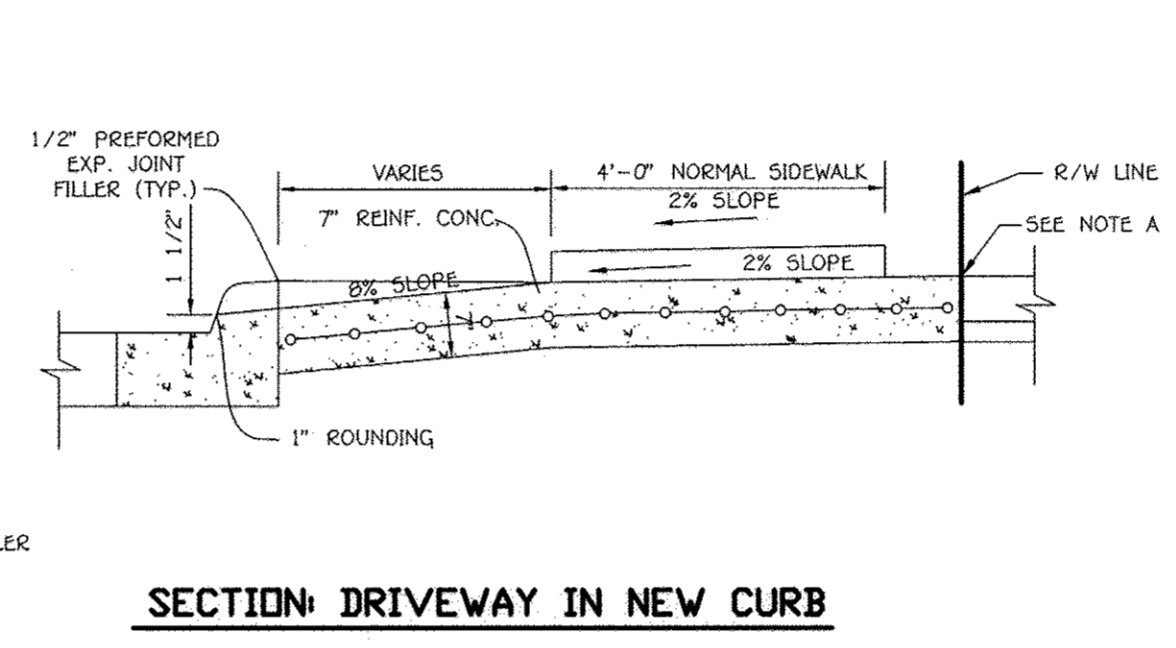
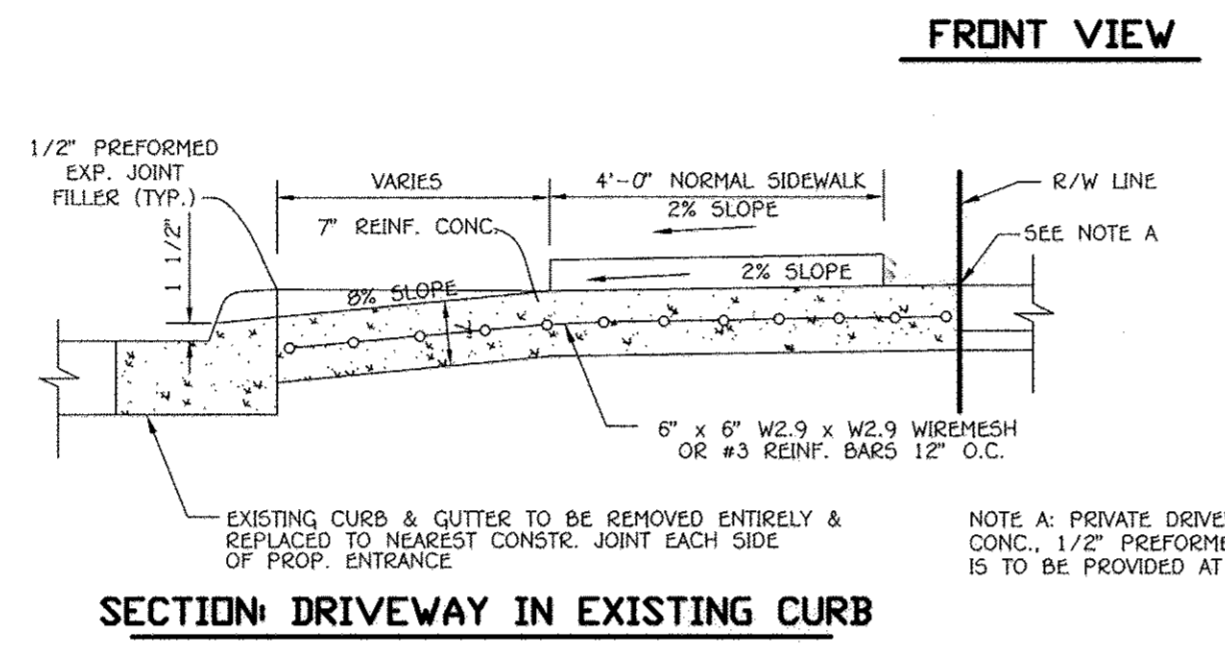
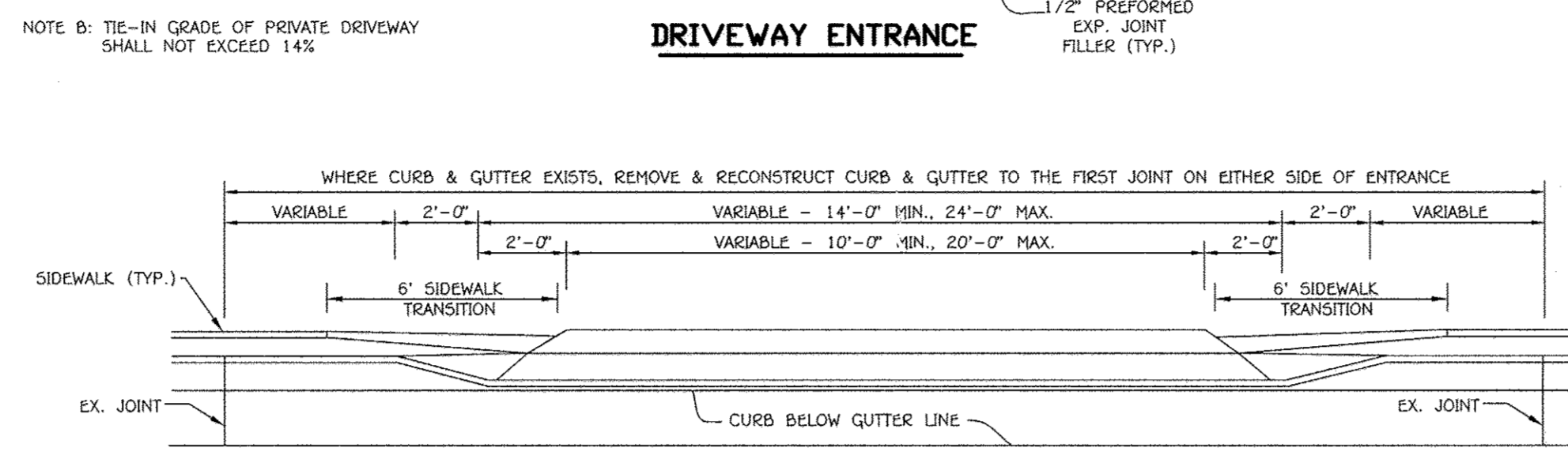
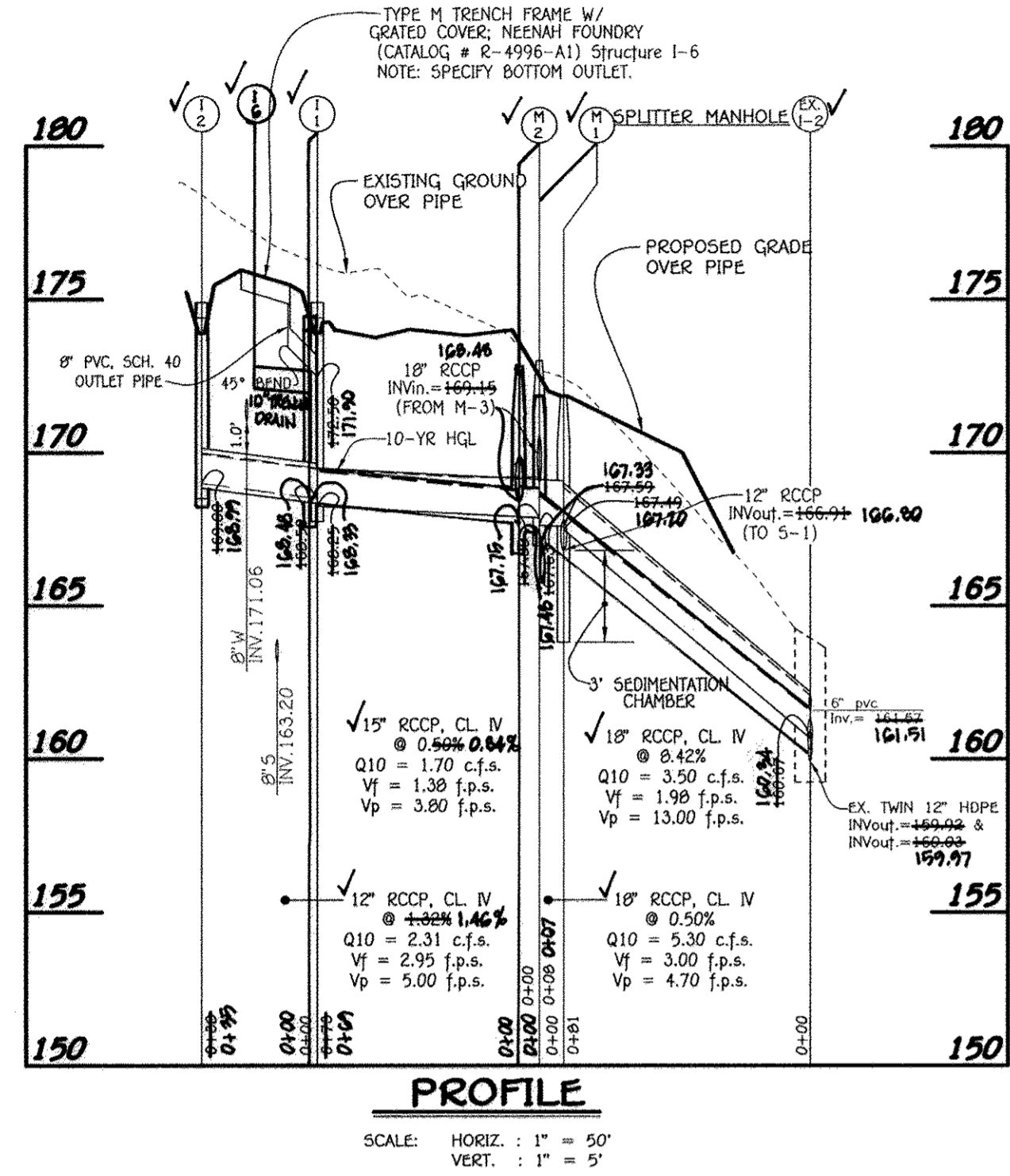
Tax Map: 3B, Grid: 15, Parcel: 86B  
 First Election District - Howard County, Maryland  
 Date: August 28, 2012 Scale: As Shown  
 Sheet 5 of 10

SECTION NUMBER	ROAD AND STREET CLASSIFICATION	CALIFORNIA BEARING RATIO (CBR)		MIN HMA WITH GAB		HMA WITH CONSTANT GAB		
		3 TO <5	5 TO <7	≥7	3 TO <5	5 TO <7	≥7	
P-1	PARKING BAYS: RESIDENTIAL AND NON-RESIDENTIAL PARKING DRIVE ASLES: RESIDENTIAL AND NON-RESIDENTIAL WITH NO MORE THAN 2 HEAVY TRUCKS PER DAY	PAVEMENT MATERIAL (INCHES)		MIN HMA WITH GAB		HMA WITH CONSTANT GAB		
		HMA SUPERPAVE FINAL SURFACE 9.5 MM, PG 64-22, LEVEL 1 (ESAL)		1.5	1.5	1.5	1.5	1.5
		HMA SUPERPAVE INTERMEDIATE SURFACE N/A		N/A	N/A	N/A	N/A	N/A
		HMA SUPERPAVE BASE 19.0 MM, PG 64-22, LEVEL 1 (ESAL)		2.0	2.0	2.0	3.5	3.0
		GRADED AGGREGATE BASE (GAB)		0.5	7.0	5.0	4.0	

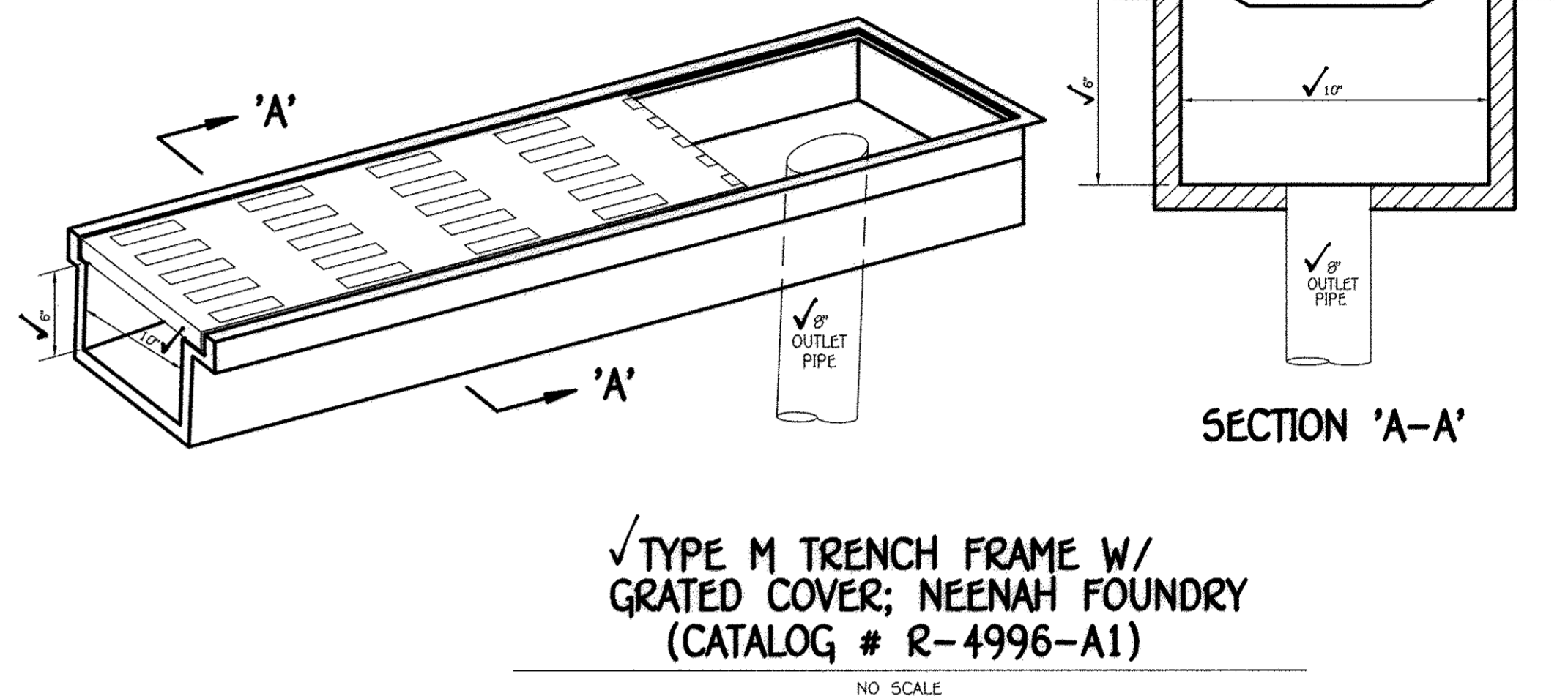


Approved: Department Of Planning And Zoning  
 Chief, Division Of Land Development  
 Chief, Development Engineering Division

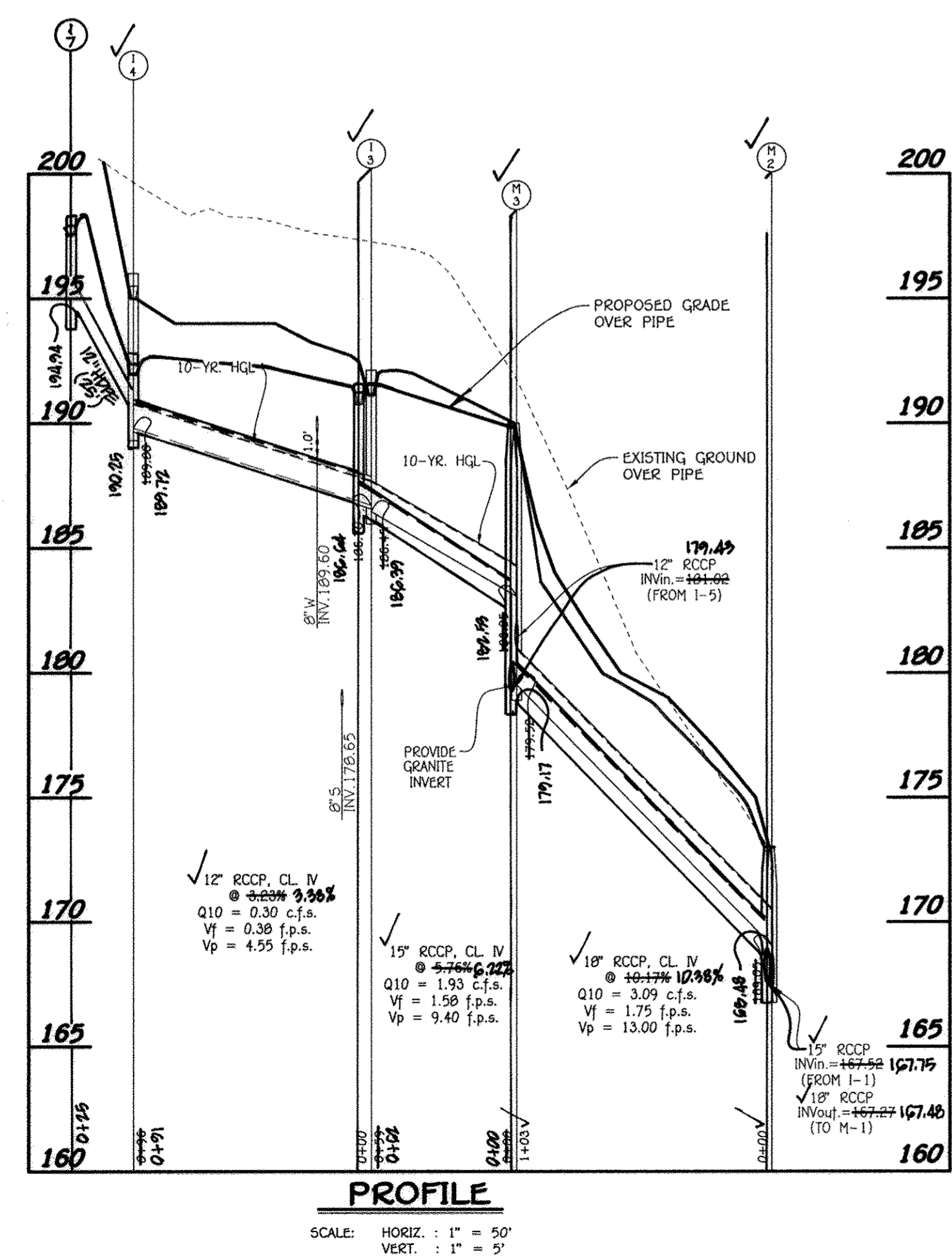
10/08/12  
 9/27/12



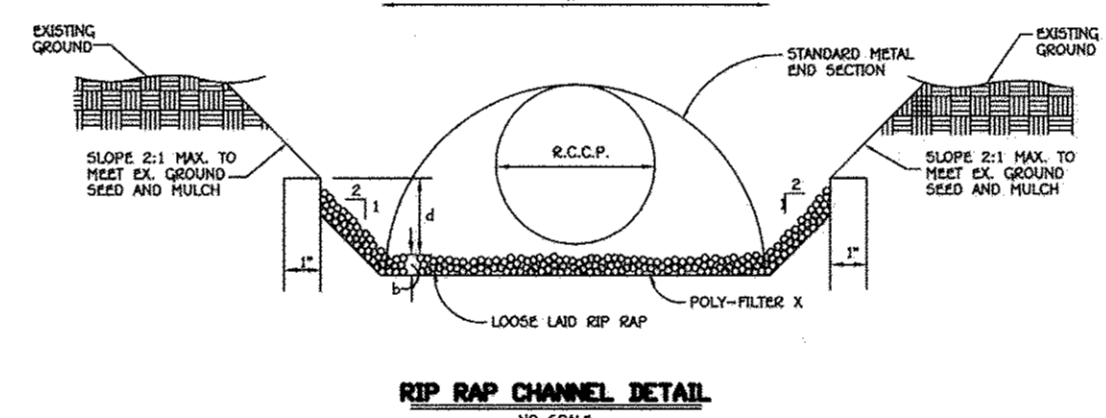
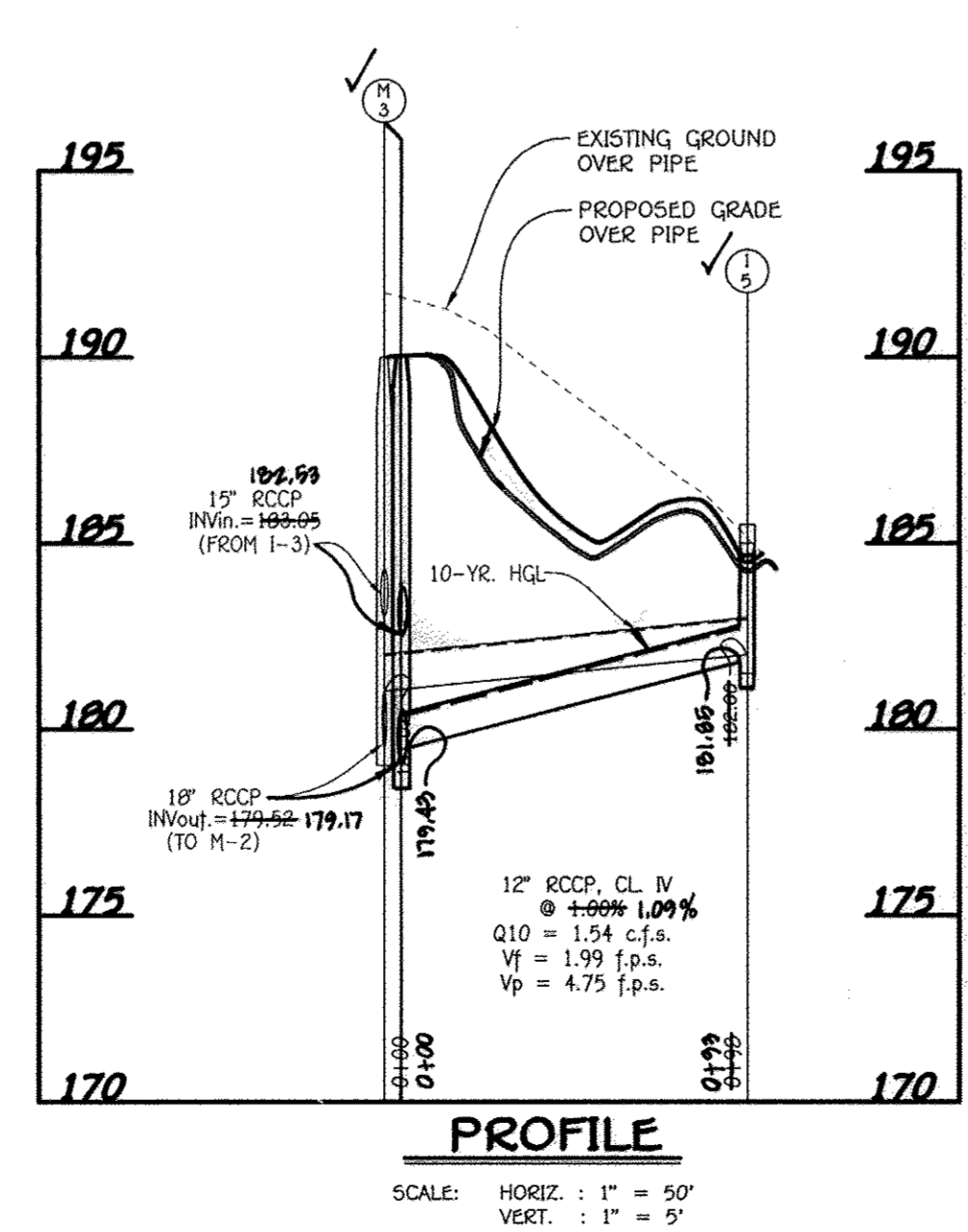
**RESIDENTIAL DRIVEWAY ENTRANCE  
 CLOSED SECTION WITH STD. 7\"/>
 NO SCALE**



**TYPE M TRENCH FRAME W/  
 GRATED COVER; NEENAH FOUNDRY  
 (CATALOG # R-4996-A1)**  
 NO SCALE



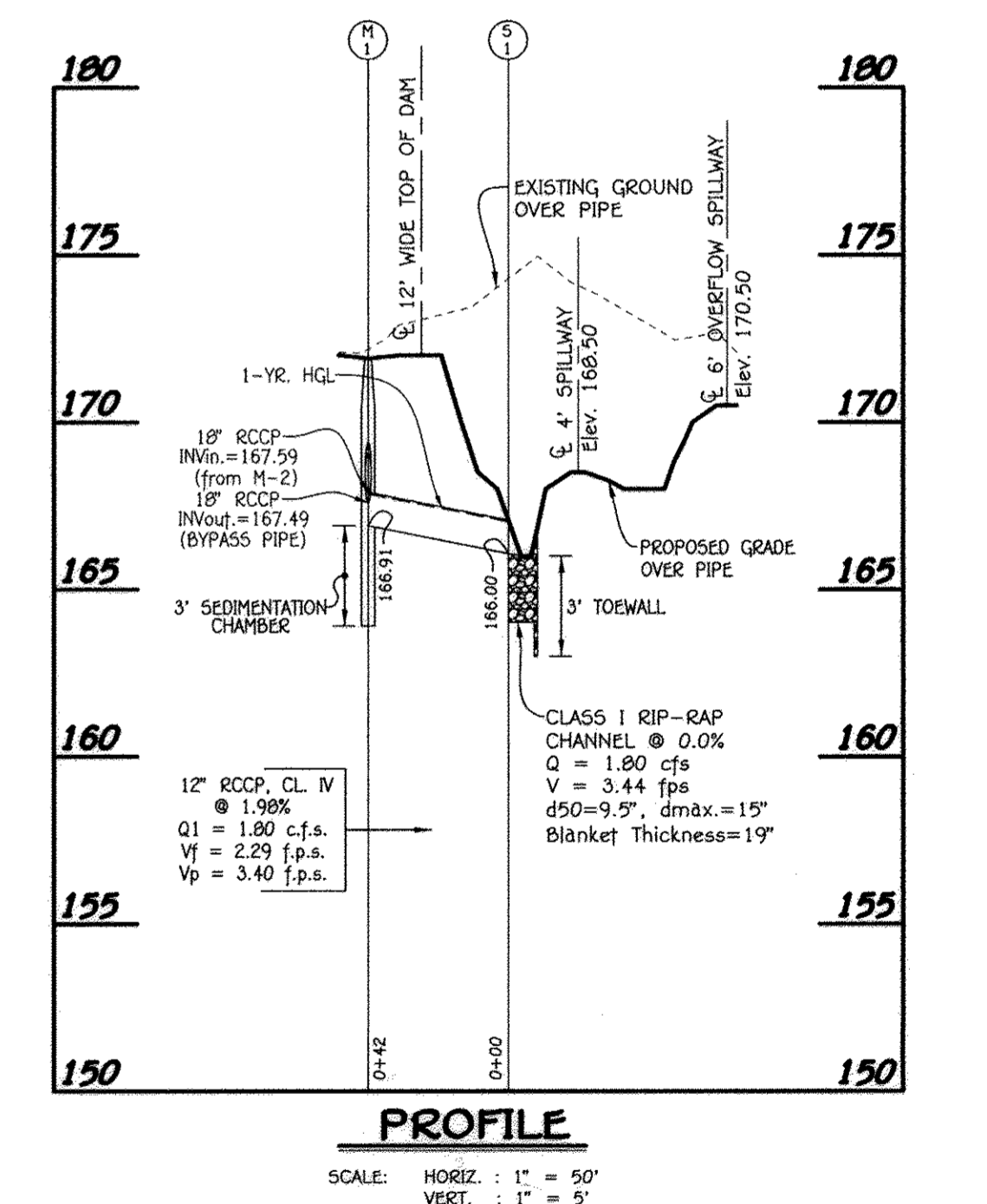
SIZE	CLASS	LENGTH
8"	RCCP	16'
12"	RCCP	274'
15"	RCCP	132'
18"	RCCP	192'



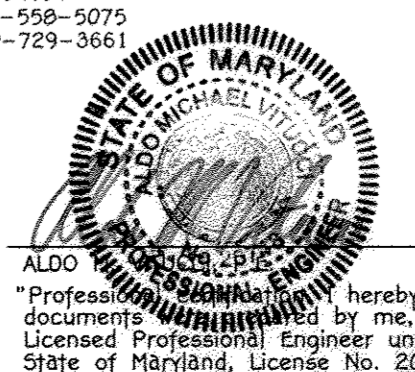
STRUCTURE NO.	AREA	WETTED PERIMETER	E	R/W	S	S	S	D	N	V	Q	RIP-RAP SIZE	BLANKET THICKNESS
S-1	0.5248	1.7852	0.2870	0.4128	0.005	0.0707	1.007	0.432	0.04	3.44	1.80	1.80	19"

- CONSTRUCTION SPECIFICATIONS FOR RIP-RAP OUTFALLS**
- The substrate for the filter, rip-rap or gaban shall be prepared to the required lines and grades. Any fill required in the substrate shall be compacted to a density of approximately that of the surrounding undisturbed materials.
  - The rock or gravel shall conform to the specified grading limits when installed respectively in the rip-rap or filter.
  - Filter cloth shall be protected from sunbaking, cutting or tearing. Any damage other than an occasional hole shall be repaired by placing another piece of cloth over the damaged sheet or by completely replacing the cloth. All overlaps whether for repairs or for joining two pieces of cloth shall be a minimum of one foot.
  - Stone for the rip-rap or gaban outlet may be placed by equipment. Both shall be constructed in a manner that will insure that it is reasonably homogeneous with the smaller stones and rip-rap filling the voids between the larger stones. Rip-rap shall be placed in a manner to prevent damage to the filter blanket or filter cloth. Hand placement will be required to the extent necessary to prevent damage to the permanent works.

STRUCTURE NO.	TOP ELEVATION	INV. IN	INV. OUT	LOCATION	ROAD STA./ COORDINATE	OFFSET	TYPE AND WIDTH	REMARKS
I-1	174.49	174.49	168.95	PRIVATE DRIVEWAY	STA. 0+31.80	16.9'K	12" INLET	D - 4.39
I-2	174.32	174.32	168.95	PRIVATE DRIVEWAY	STA. 0+31.80	21.7'L	12" INLET	D - 4.39
I-3	191.39	191.39	189.39	PRIVATE DRIVEWAY	STA. 1+72.49	16.1'K	12" INLET	D - 4.39
I-4	191.90	190.25	189.72	---	N 557.567.9 E 1.390.544.6	---	YARD INLET	D - 4.14
I-5	184.14	---	181.85	---	N 557.560.7 E 1.390.688.4	---	YARD INLET	D - 4.14
I-6	174.39	---	178.05	PRIVATE DRIVEWAY	STA. 0+31.80	---	TRENCH FRAME	**
I-7	198.28	173.32	194.94	---	N 557.926.8 E 1.390.564.1	---	12" INLET	D - 4.39
M-1	171.60	171.60	167.40	---	N 557.343.1 E 1.390.519.2	---	4' DIA. MANHOLE	G - 5.12
M-2	172.89	172.89	167.40	---	N 557.349.2 E 1.390.513.8	---	4' DIA. MANHOLE	G - 5.12
M-3	189.71	189.71	179.17	---	N 557.418.6 E 1.390.588.5	---	4' DIA. MANHOLE	G - 5.12
S-1	166.79	166.00	165.99	---	N 557.346.1 E 1.390.548.8	---	12" END SECTION	D - 5.51



**AS-BUILT CERTIFICATION FOR PSWM**  
 I hereby certify that the facility shown on the plan was constructed as shown on the "AS BUILT" plans and complies with the plans and specifications. I have verified that the existing drainage area is sufficient to prevent ponding or clogging of the underdrains.  
 Date: 3/20/10



**Detail Sheet  
 Winter Crest**  
 Buildable Lots 1 Thru 8 And  
 Open Space Lot 9  
 (Being A Re-subdivision Of Lot 2, As Shown On A Plat Entitled "Norris E. Pool, Lots 1, 2 & 3, Winters La. & Hanover Rd." Recorded Among The Land Records Of Howard County, Maryland As Plat No. 3342)  
 Tax Map: 38, Grid: 15, Parcel: 868  
 First Election District - Howard County, Maryland  
 Date: August 28, 2012 Scale: As Shown  
 Sheet 6 of 10

Approved: Department Of Planning And Zoning  
 Chief, Division Of Land Development  
 Chief, Development Engineering Division

10/06/12  
 9/27/12

SOILS LEGEND		
SOIL	NAME	CLASS
CIC3	Chillum gravelly loam, 5 to 10 percent slopes, severely eroded	C
CID2	Chillum gravelly loam, 10 to 15 percent slopes, moderately eroded	C
CmC2	Chillum silt loam, 5 to 10 percent slopes, moderately eroded	?
ScB	Sandy and silty clay, gently sloping	?
SIC2	Sassafras loam, 5 to 10 percent slopes, moderately eroded	B
SeE	Sassafras soils, 15 to 40 percent slopes	B
**FB	Fallingston loam	D

NOTES:  
 \* Hydric soils and/or contains hydric inclusions  
 \*\* May contain hydric inclusions  
 † Generally only within 100-year floodplain areas

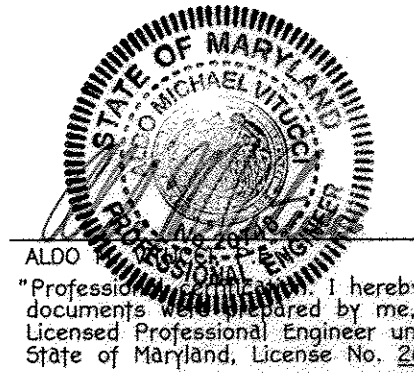
DRAINAGE AREA DATA					
STRUCTURE NO.	DRAINAGE AREA	AREA	"C"	ZONED	TC
I-1	A	0.59 AC.	0.36	R-12	10 MIN.
I-2	B	0.19 AC.	0.45	R-12	10 MIN.
I-3	C	0.26 AC.	0.65	R-12	10 MIN.
I-4	D	0.11 AC.		R-12	10 MIN.
I-5	E	0.39 AC.		R-12	10 MIN.
* I-6	F	0.16 AC.		R-12	10 MIN.

\* TRENCH DRAIN



**AS-BUILT CERTIFICATION FOR PSWM**  
 I hereby certify that the facility shown on the plan was constructed as shown on the "AS BUILT" plans and complies with the approved plans and specifications. I have verified that the contributing drainage area is sufficiently stabilized to prevent clogging of the undersized storm facility.

*[Signature]* 3/29/12  
 Date



**Drainage Area & Soils Map**  
**Winter Crest**  
 Buildable Lots 1 Thru 8 And  
 Open Space Lot 9  
 (Being A Resubdivision Of Lot 2, As Shown On A Plat Entitled "Norris E. Pool, Lots 1, 2 & 3, Winters La. & Hanover Rd." Recorded Among The Land Records Of Howard County, Maryland As Plat No. 3342)  
 Tax Map: 3B, Grid: 15, Parcel: 86B  
 First Election District - Howard County, Maryland  
 Date: August 28, 2012 Scale: As Shown  
 Sheet 7 of 10

**PLAN**  
 SCALE: 1" = 40'

**Owner/Developer**  
 Winters Lane Investments, LLC  
 c/o S. James Greenfield  
 6420 Autumn Sky Way  
 Columbia, Maryland 21044  
 Phone: (443) 324-4732

**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
 ELICOTT CITY, MARYLAND 21042  
 (410) 461-1299

1:000505129(Supplemental Plan (F DWG)05129 SHEET 7-1-6.7 SUPPLEMENTAL PLAN.dwg, SHEET 7, 8/28/2012 10:10:30 AM, 1:1

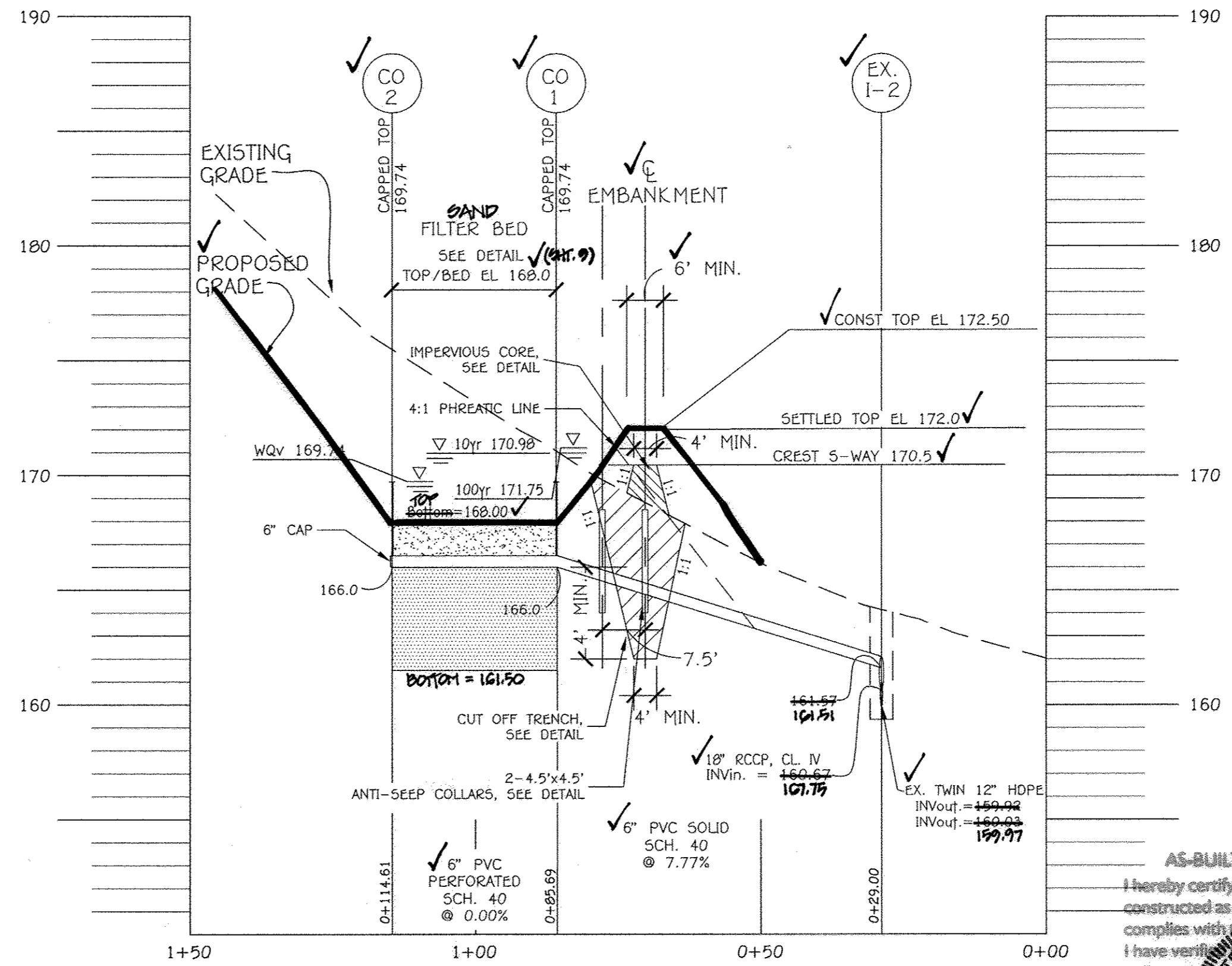
AS-BUILT F-12-076



**FACILITY SUMMARY**

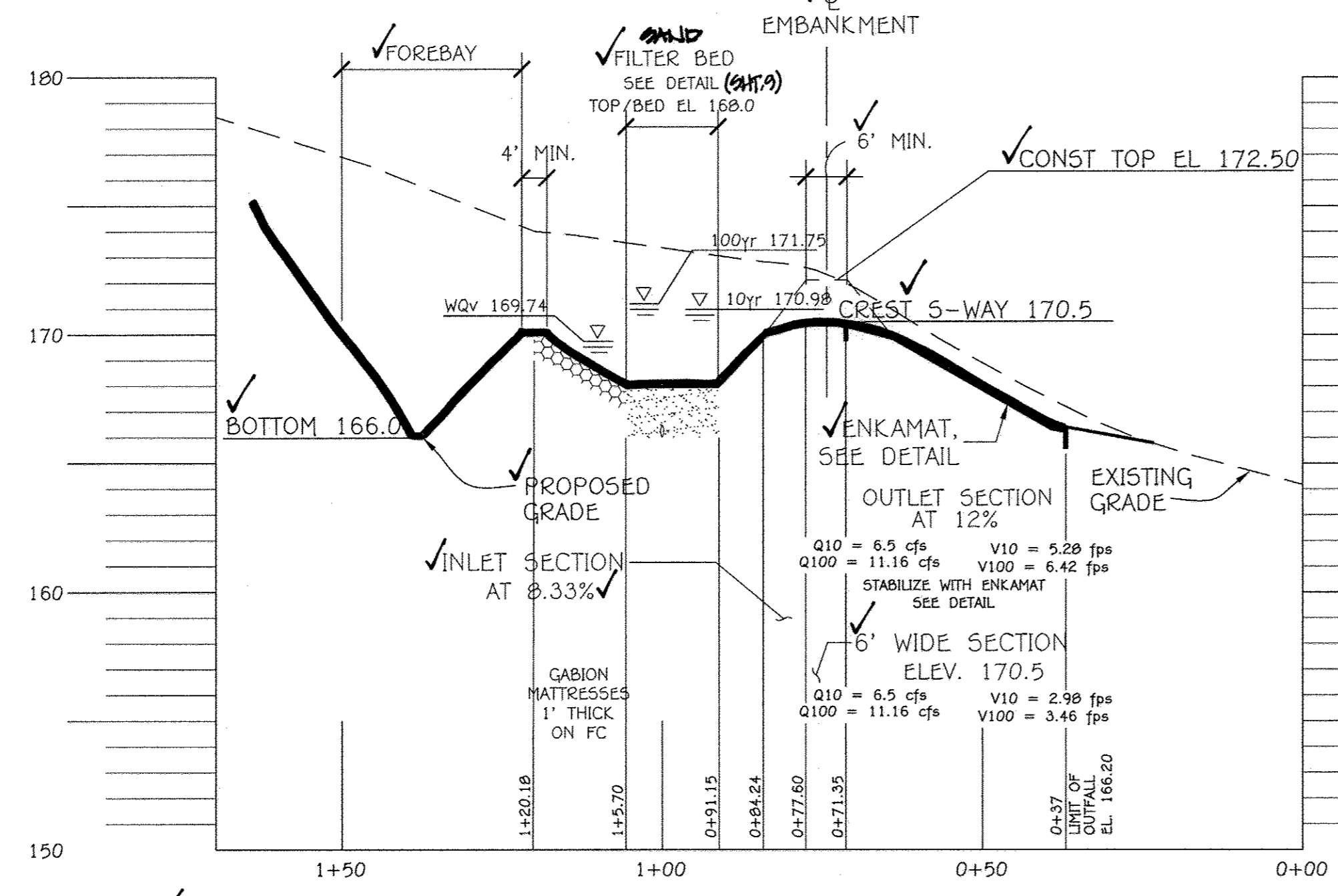
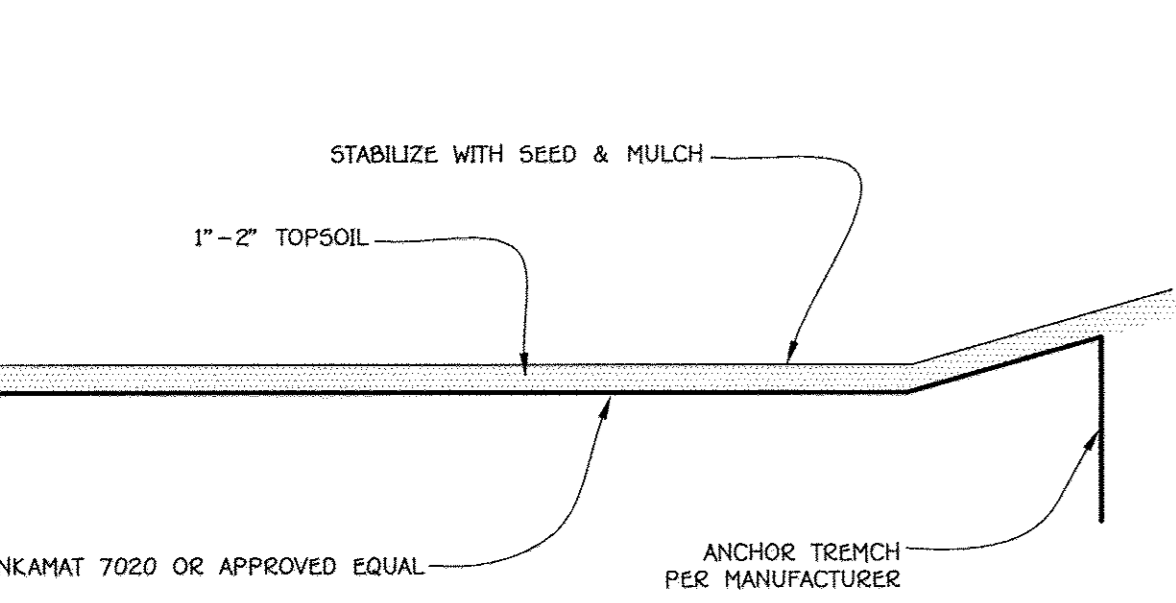
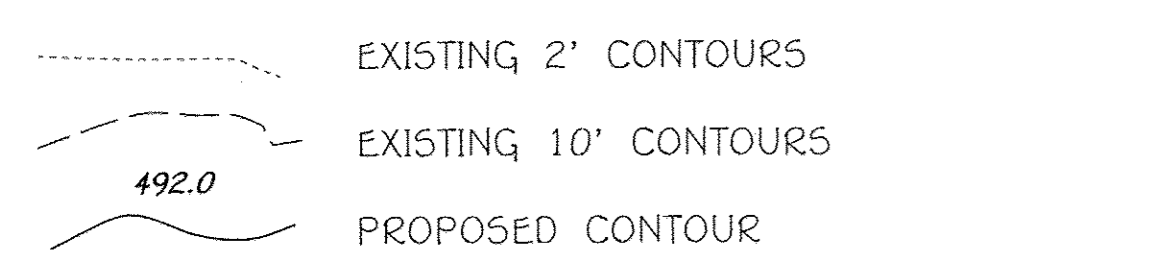
Developed Outflow (cfs)	WQV	10 YEAR	100 YEAR
Water Surface Elevation	N/A	6.5	11.16
Storage (ac. ft.)	0.043	N/A	N/A
Watershed	Little Patuxent River		
Structure Type	Surface Sand Filter (F-1)		
Structure Classification	LOW HAZARD A - 378 Exempt		
Structure Location	Urban		
Storage Height Product	N/A		
Watershed Area to Facility	1.86 acres		
Minimum Top Width Provided	6.0 feet		
Maximum Height of Fill	3.3 feet		
Maximum 10-Year Impoundment Depth	3.24 feet		
Freeboard Provided Above 10 Year	1.02 foot		

FACILITY WILL BE PRIVATELY OWNED AND MAINTAINED.  
MANAGEMENT PROVIDED: Rev & WQV

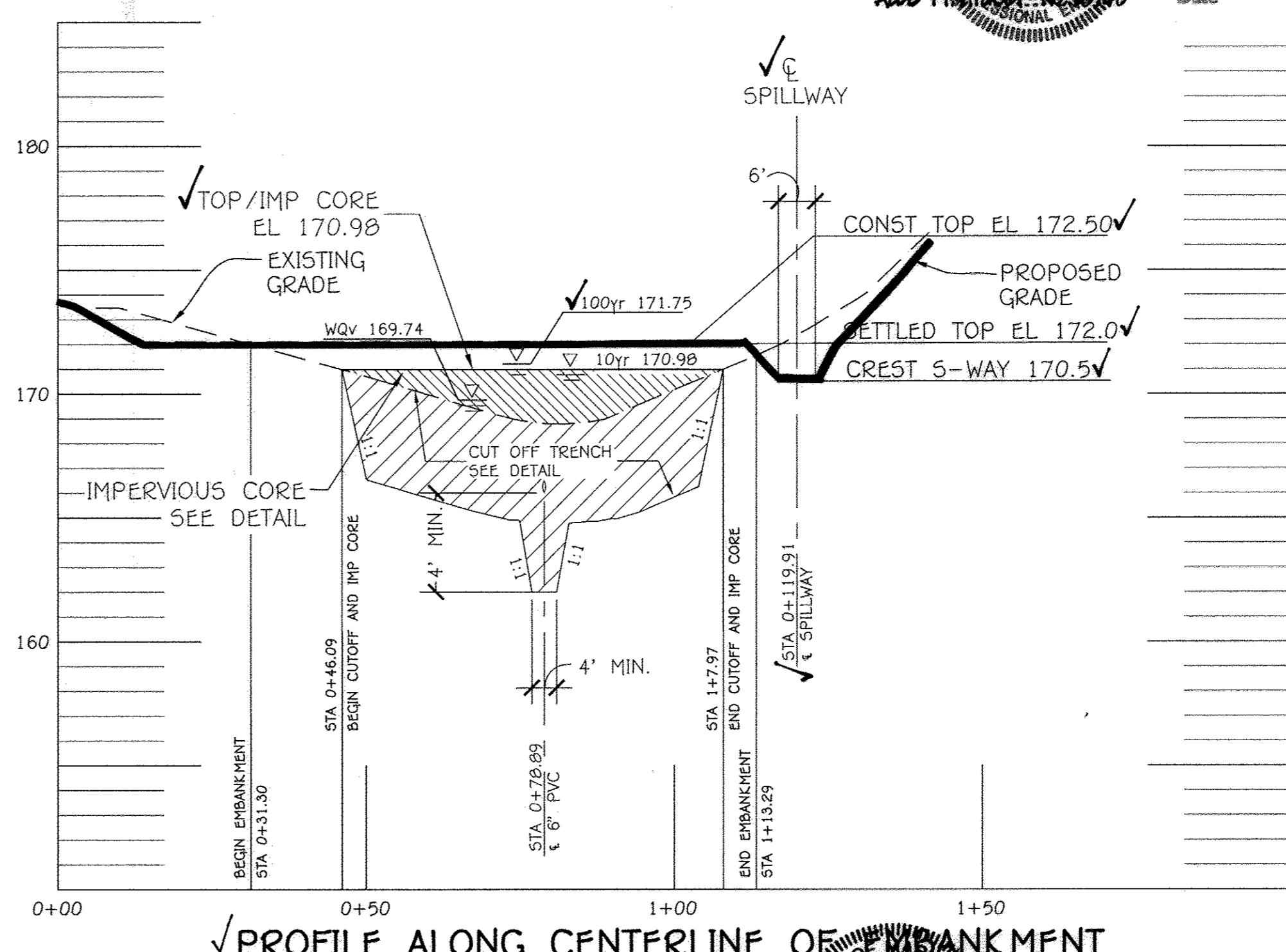


PROFILE ALONG CENTERLINE THROUGH SAND FILTER  
H: 1"=20'  
V: 1"=5'

**SAND FILTER FACILITY**  
1"=20'



PROFILE THROUGH EMERGENCY SPILLWAY AND FACILITY  
H: 1"=20'  
V: 1"=5'



PROFILE ALONG CENTERLINE OF EMBANKMENT  
H: 1"=20'  
V: 1"=5'

By The Developer:  
 "I/We Certify That All Development And/Or Construction Will Be Done According To These Plans. 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 Shall Engage A Registered Professional Engineer To Supervise Pond Construction And Provide The Howard County Department Of Public Works With All Necessary Information To Complete The Construction. I Also Authorize Periodic On-Site Inspections By The Howard Soil Conservation District."

Signature Of Developer: *JMA Greenfield*  
 Printed Name Of Developer: JMA Greenfield  
 Date: 9/12/12

By The Engineer:  
 "I Certify That This Plan For Pond Construction, Erosion And Sediment Control Represents A Practical And Feasible Plan Based On My Personal Knowledge Of The Site Conditions. This Plan Was Prepared In Accordance With The Requirements Of The Howard Soil Conservation District. I Have Not Observed Any Conditions That He/She Must Engage A Registered Professional Engineer To Supervise Construction And Provide The Howard County Department Of Public Works With All Necessary Information To Complete The Construction."

Signature: *John R. Bluta*  
 Printed Name Of Engineer: John R. Bluta  
 Date: 9/13/12

These Plans For Pond Construction, Erosion And Sediment Control Meet The Requirements Of The Howard Soil Conservation District.

Approved: Department Of Planning And Zoning  
 Chief, Division Of Land Development: *[Signature]* Date: 10/28/12  
 Chief, Development Engineering Division: *[Signature]* Date: 9/27/12

AS-BUILT CERTIFICATION  
 I Herby Certify That The Facility Shown On This Plan Was Constructed As Shown On The "As-Built" Plans And Meets The Approved Plans And Specifications.

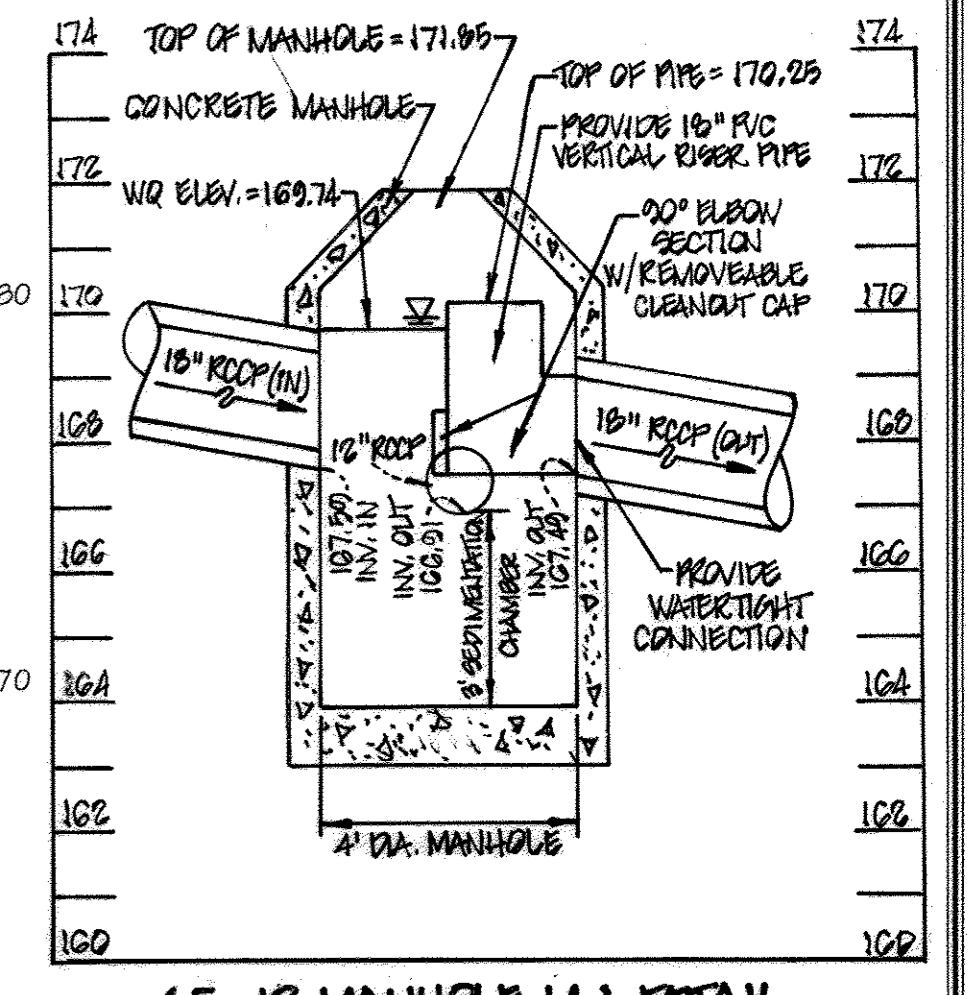
Signature: \_\_\_\_\_ P.E. No. \_\_\_\_\_  
 Date: \_\_\_\_\_

Certify Means To State Or Declare A Professional Opinion Based Upon Onsite Inspections And Material Tests Which Are Conducted During Construction. The Onsite Inspections And Material Tests Are Those Inspections And Tests Deemed Sufficient And Appropriate Commonly Accepted Engineering Standards. Certify Does Not Mean Or Imply A Guarantee By The Engineer Nor Does An Engineer's Certification Relieve Any Other Party From Meeting Requirements Imposed By Contract, Employment, Or Other Means, Including Meeting Commonly Accepted Industry Practices.

NO.	DESCRIPTION	DATE
1	ADD DETAIL TO INDICATE VERTICAL PIPE PLACED INSIDE OF THE EXISTING MANHOLE.	9/2/14

AS-BUILT CERTIFICATION FOR PSWM  
 I hereby certify that the facility shown on the plan was constructed as shown on the "AS BUILT" plans and complies with the approved plans and specifications. I have verified that the drainage area is sufficient and that the logging of the

Signature: *[Signature]*  
 Date: 3/28/15



6.5-12 MANHOLE M-1 DETAIL  
SCALE: H: 1"=30'  
V: 1"=8'

REVISED FINAL PLAN  
 STORMWATER MANAGEMENT  
 SAND FILTER FACILITY PLAN AND DETAILS  
 Winter Crest  
 Buildable Lots 1 Thru 8 And  
 Open Space Lot 9  
 (Being A Resubdivision Of Lot 2, As Shown On A Plat Entitled "Norris E. Pool, Lots 1, 2 & 3, Winters La. & Hanover Ed." Recorded Among The Land Records Of Howard County, Maryland As Plat No. 3342)  
 Zoned: R-12  
 Tax Map: 35, Grid: 15, Parcel: 868  
 First Election District - Howard County, Maryland  
 Date: August 28, 2012 Scale: As Shown  
 Sheet 8 of 10



By The Developer:

"I/We Certify That All Development And/Or Construction Will Be Done According To These Plans, 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 Shall Engage A Registered Professional Engineer To Supervise Pond Construction And Provide The Howard Soil Conservation District With An "As-Built" Plan Of The Pond Within 30 Days Of Completion. I Also Authorize Periodic On-Site Inspections Of The Howard Soil Conservation District."

Signature Of Developer: *Jim Greenfield* Date: 9/29/12

Printed Name Of Developer: **JIM GREENFIELD**

By The Engineer:

"I Certify That This Plan For Pond Construction, Erosion And Sediment Control Represents A Practical And Workable Plan Based On My Personal Knowledge Of The Site Conditions. This Plan Was Prepared In Accordance With The Requirements Of The Howard Soil Conservation District. I Have Noted The Requirements Of The District And I Have Noted That He/She Must Engage A Registered Professional Engineer To Supervise Pond Construction And Provide The Howard Soil Conservation District With An "As-Built" Plan Within 30 Days Of Completion."

Signature: *AS - BUILT CERTIFICATION* Date: 9/29/12

Printed Name: **AS - BUILT CERTIFICATION**

These Plans For Small Pond Construction, Soil Erosion And Sediment Control Meet The Requirements Of The Howard Soil Conservation District.

Howard Soil Conservation District Date:

Approved: Department Of Planning And Zoning

Chief, Division Of Land Development: *Neil Seligson* Date: 10/29/12

Chief, Development Engineering Division: *John D. ...* Date: 9/27/12

AS-BUILT CERTIFICATION

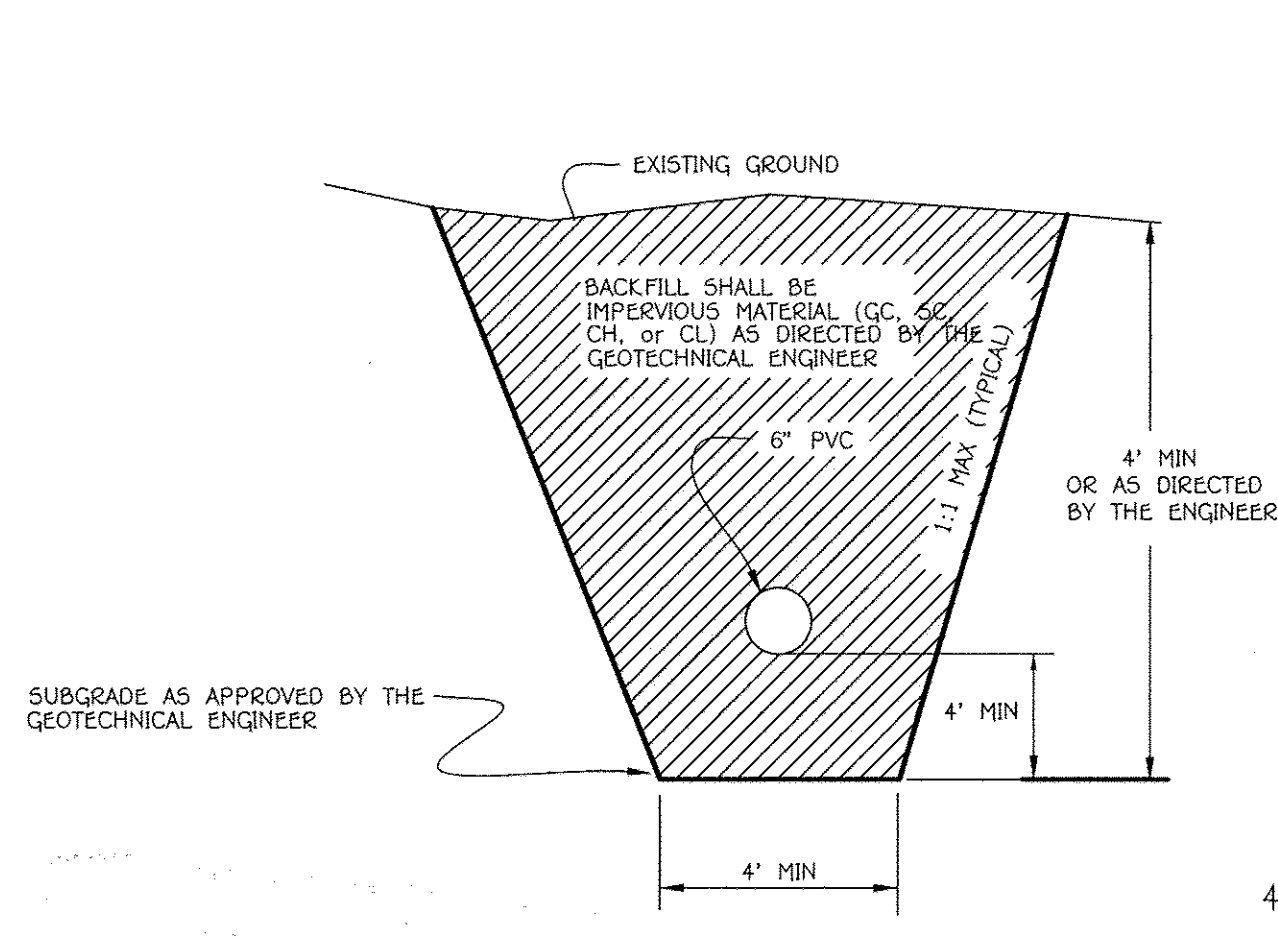
I Herby Certify That The Facility Shown On This Plan Was Constructed As Shown On The "As-Built" Plans And Meets The Approved Plans And Specifications.

Signature: \_\_\_\_\_ P.E. No: \_\_\_\_\_ Date: \_\_\_\_\_

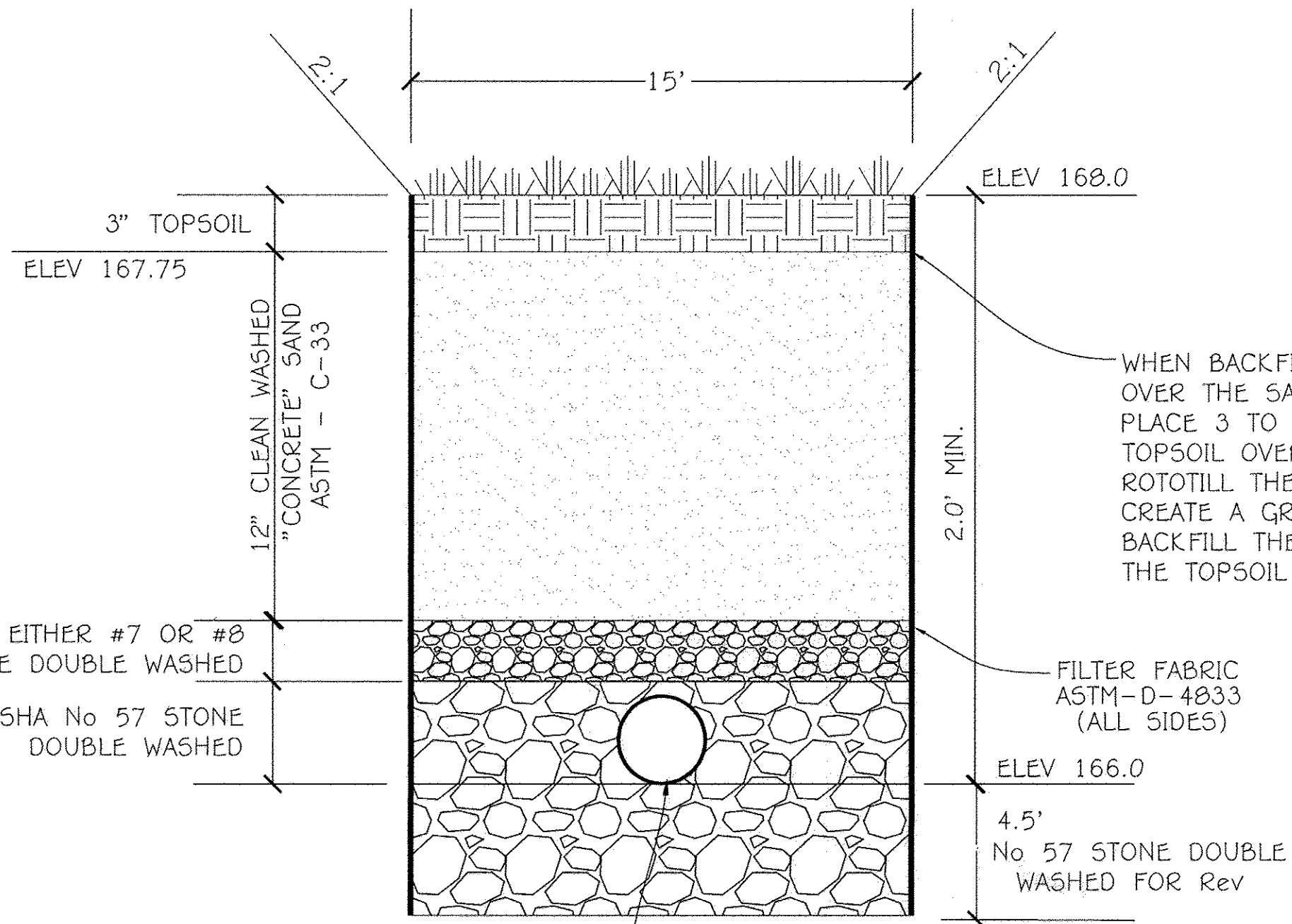
Certify Means To State Or Declare A Professional Opinion Based Upon Onsite Inspections And Material Tests Which Are Conducted During Construction. The Onsite Inspections And Material Tests Are Those Inspections And Tests Deemed Sufficient And Appropriate Commonly Accepted Engineering Standards. Certify Does Not Mean Or Imply A Guarantee By The Engineer Nor Does An Engineer's Certification Release Any Other Party From Meeting Requirements Imposed By Contract, Employment, Or Other Means, Including Meeting Commonly Accepted Industry Practices.

REVISIONS

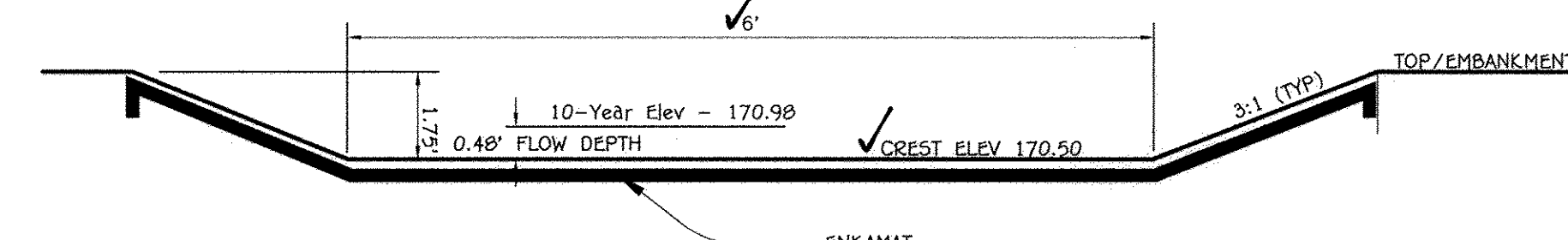
NO.	DESCRIPTION	DATE



**CUTOFF TRENCH DETAIL**  
NOT TO SCALE

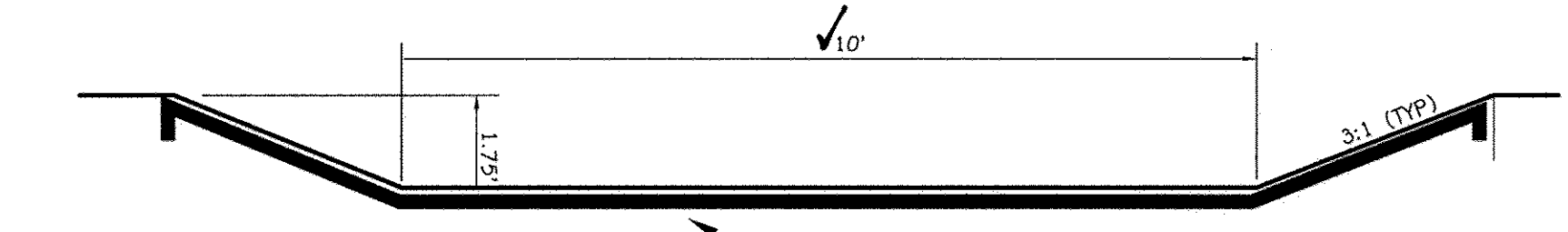


**SAND FILTER TYPICAL CROSS SECTION**  
NOT TO SCALE



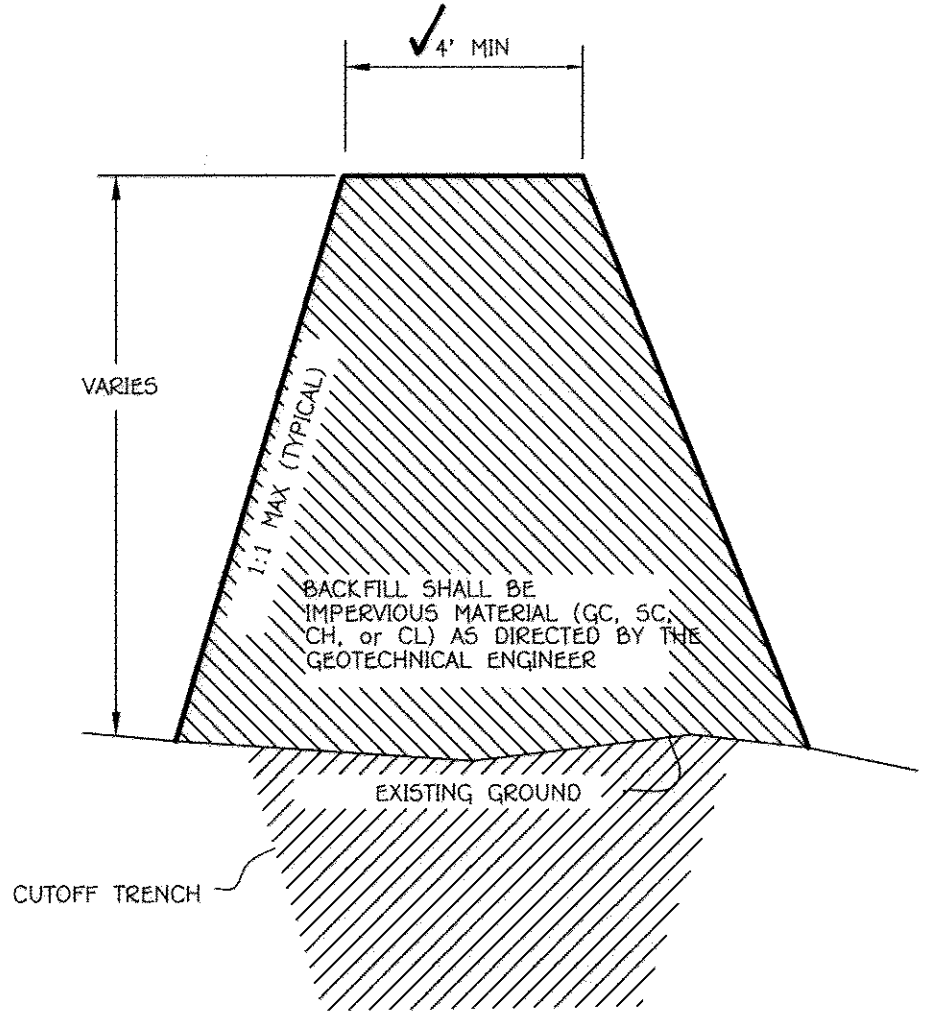
**OVERFLOW SPILLWAY TYPICAL CROSS SECTION**  
NOT TO SCALE

$Q_{up} = 6.5 \text{ cfs}$   $Q_{down} = 11.16 \text{ cfs}$   
 $V_{up} = 2.98 \text{ fps}$   $V_{down} = 3.46 \text{ fps}$



**SPILLWAY OUTFALL TYPICAL CROSS SECTION**  
NOT TO SCALE

$Q_{up} = 6.5 \text{ cfs}$   $Q_{down} = 11.16 \text{ cfs}$   
 $V_{up} = 5.28 \text{ fps}$   $V_{down} = 6.42 \text{ fps}$



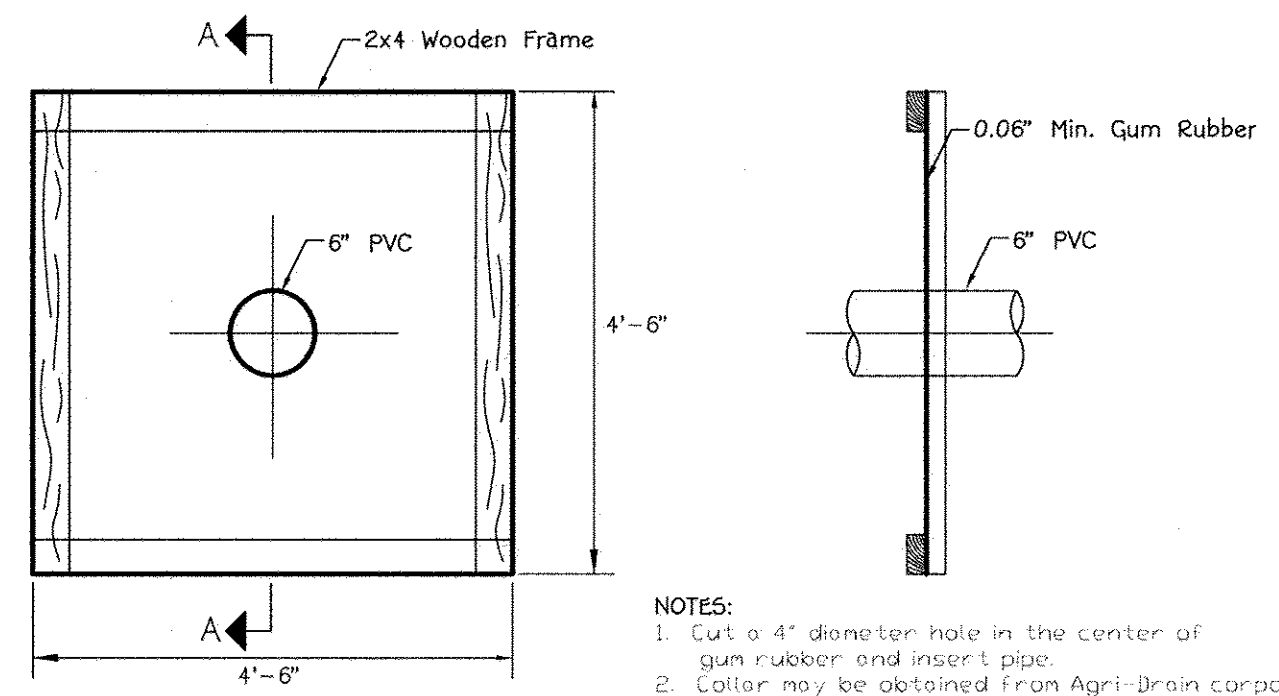
**IMPERVIOUS CORE DETAIL**  
NOT TO SCALE

**Embankment and Cut-off Trench Construction**

THE AREA OF THE PROPOSED SWM POND SHOULD BE STRIPPED OF TOPSOIL AND ANY OTHER UNSUITABLE MATERIALS FROM THE EMBANKMENT OR STRUCTURE AREA IN ACCORDANCE WITH SOIL CONSERVATION GUIDELINES. AFTER STRIPPING OPERATIONS HAVE BEEN COMPLETED, THE EXPOSED SUBGRADE MATERIALS SHOULD BE PROOFROLLED WITH A LOADED DUMP TRUCK OR SIMILAR EQUIPMENT IN THE PRESENCE OF A GEOTECHNICAL ENGINEER OR HIS REPRESENTATIVE UTILIZING A DYNAMIC CONE PENETROMETER. ANY EXCESSIVELY SOFT OR LOOSE MATERIALS IDENTIFIED BY PROOFROLLING OR PENETROMETER TESTING SHOULD BE EXCAVATED TO SUITABLE FIRM SOIL, AND THEN GRADES RE-ESTABLISHED BY BACKFILLING WITH SUITABLE SOIL.

A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER SHOULD BE PRESENT TO MONITOR PLACEMENT AND COMPACTION OF FILL FOR THE EMBANKMENT AND CUT-OFF TRENCH. IN ACCORDANCE WITH MARYLAND SOIL CONSERVATION SPECIFICATION 378 SOILS CONSIDERED SUITABLE FOR THE CENTER OF EMBANKMENT AND CUT-OFF TRENCH SHALL CONFORM TO UNIFIED SOIL CLASSIFICATION GC, SC, CH, OR CL.

IT IS OUR PROFESSIONAL OPINION THAT IN ADDITION TO THE SOIL MATERIALS DESCRIBED ABOVE A FINE GRAINED SOIL, INCLUDING SILT (ML) WITH A PLASTICITY INDEX OF 10 OR MORE CAN BE UTILIZED FOR THE CENTER OF THE EMBANKMENT AND CORE TRENCH. BASED ON OUR VISUAL CLASSIFICATIONS IT APPEARS THAT SOME OF THE ON-SITE SOILS, ESPECIALLY THE NEAR SURFACE SOILS, WILL BE SUITABLE FOR USE AS CORE TRENCH MATERIAL. IT IS RECOMMENDED THAT ADDITIONAL EXPLORATION AND LABORATORY TESTING BE PERFORMED PRIOR TO POND CONSTRUCTION TO IDENTIFY AND QUANTIFY POTENTIAL BORROW AREAS FOR CORE TRENCH MATERIAL. ALL FILL MATERIALS MUST BE PLACED AND COMPACTED WITH MD 525 378 SPECIFICATIONS.



**ANTI-SEEP COLLAR DETAIL**  
NOT TO SCALE

NOTES:  
1. Cut a 4" diameter hole in the center of gum rubber and insert pipe.  
2. Collar may be obtained from Agri-Drain corporation or approved supplier.

**AS-BUILT CERTIFICATION FOR PSWM**

I hereby certify that the facility shown on the plan was constructed as shown on the "AS BUILT" plans and complies with the plans and specifications. I have verified that the stormwater drainage area is sufficient to require the logging of the underdrain system.

Signature: *AS - BUILT CERTIFICATION* Date: 9/29/12

**Operation and Maintenance Schedule for Privately Owned and Maintained Surface Stormwater Filtration Systems**

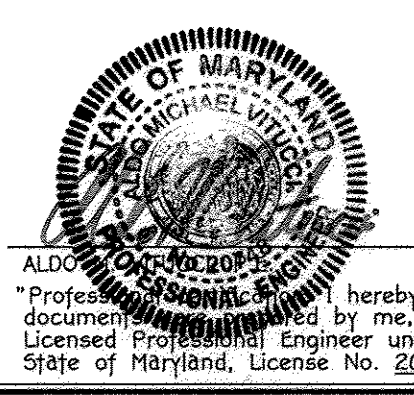
1. THE STORMWATER WETLAND FACILITY SHALL BE INSPECTED ANNUALLY AND AFTER MAJOR STORMS. INSPECTIONS SHALL BE PERFORMED DURING WET WEATHER TO DETERMINE IF THE FACILITY IS FUNCTIONING PROPERLY.
2. THE TOP AND SIDE SLOPES OF THE EMBANKMENT SHALL BE MOWED A MINIMUM OF ONCE PER YEAR, WHEN VEGETATION REACHES 18" IN HEIGHT OR AS NEEDED.
3. FILTERS THAT HAVE A GRASS COVER SHALL BE MOWED A MINIMUM OF THREE (3) TIMES PER GROWING SEASON TO MAINTAIN A MAXIMUM GRASS HEIGHT OF LESS THAN 12 INCHES.
4. DEBRIS AND LITTER SHALL BE REMOVED DURING MOWING OPERATIONS AND AS NEEDED.
5. VISIBLE SIGNS OF EROSION IN THE FACILITY SHALL BE REPAIRED AS SOON AS IT IS NOTICED.
6. REMOVE SILT WHEN IT EXCEEDS FOUR (4) INCHES DEEP IN THE FOREBAY.
7. WHEN WATER POUNDS ON THE SURFACE OF THE FILTER BED FOR MORE THAN 72 HOURS, THE TOP FEW INCHES OF DISCOLORED MATERIAL SHALL BE REPLACED WITH FRESH MATERIAL. THE OWNER MUST FOLLOW PROPER CLEANING AND DISPOSAL OF THE REMOVED MATERIALS AND LIQUID.
8. A LOGBOOK SHALL BE MAINTAINED TO DETERMINE THE RATE AT WHICH THE FACILITY DRAINS.
9. THE MAINTENANCE LOGBOOK SHALL BE AVAILABLE TO HOWARD COUNTY FOR INSPECTION TO INSURE COMPLIANCE WITH OPERATION AND MAINTENANCE CRITERIA.
10. ONCE THE PERFORMANCE CHARACTERISTICS OF THE INFILTRATION SYSTEM HAVE BEEN VERIFIED, THE MONITORING SCHEDULE CAN BE REDUCED TO AN ANNUAL BASIS UNLESS THE PERFORMANCE DATA INDICATES THAT A MORE FREQUENT SCHEDULE IS REQUIRED.

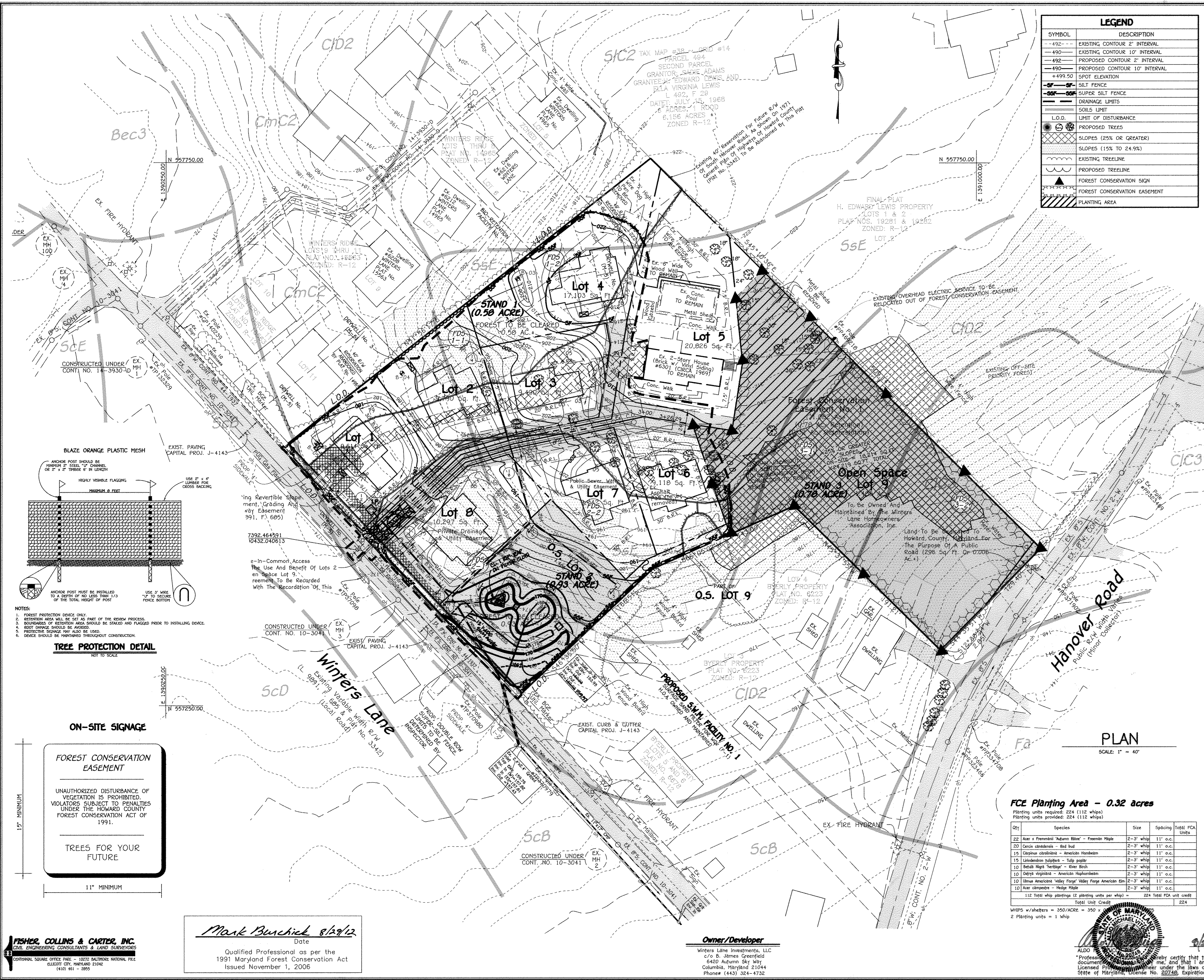
**STORMWATER MANAGEMENT SPECIFICATIONS Winter Crest**

Buildable Lots 1 Thru 8 And Open Space Lot 9

(Being A Resubdivision Of Lot 2, As Shown On A Plat Entitled "Norris E. Pool, Lots 1, 2 & 3, Winters La. & Hanover Rd." Recorded Among The Land Records Of Howard County, Maryland As Plat No. 3342)

Zone: R-12  
Tax Map: 38, Grid: 15, Parcel: 968  
First Election District - Howard County, Maryland  
Date: August 28, 2012 Scale: As Shown  
Sheet 9 of 10





**LEGEND**

SYMBOL	DESCRIPTION
---492---	EXISTING CONTOUR 2' INTERVAL
---490---	EXISTING CONTOUR 10' INTERVAL
---492---	PROPOSED CONTOUR 2' INTERVAL
---490---	PROPOSED CONTOUR 10' INTERVAL
+499.50	SPOT ELEVATION
—SF—SF—	SILT FENCE
—SOF—SOF—	SUPER SILT FENCE
---	DRAINAGE LIMITS
---	SOILS LIMIT
---	LIMIT OF DISTURBANCE
---	PROPOSED TREES
---	SLOPES (25% OR GREATER)
---	SLOPES (15% TO 24.9%)
---	EXISTING TREELINE
---	PROPOSED TREELINE
---	FOREST CONSERVATION SIGN
---	FOREST CONSERVATION EASEMENT
---	PLANTING AREA

Approved: Department Of Planning And Zoning  
 Chief, Division Of Land Development  
 Chief, Development Engineering Division

**SOILS LEGEND**

SOIL	NAME	CLASS
CiC3	Chillum gravelly loam, 5 to 10 percent slopes, severely eroded	C
CiO2	Chillum gravelly loam, 10 to 15 percent slopes, moderately eroded	C
CmC2	Chillum silt loam, 5 to 10 percent slopes, moderately eroded	C
ScB	Sandy and clayey loam, gently sloping	B
SiC2	Sassafras loam, 5 to 10 percent slopes, moderately eroded	B
SaE	Sassafras soils, 15 to 40 percent slopes	B
Fa	Fallington loam	D

NOTES:  
 • Hydric soils and/or contains hydric inclusions  
 • May contain hydric inclusions  
 † Generally only within 100-year floodplain areas

**AS-BUILT CERTIFICATION FOR PSWM**  
 I hereby certify that the facility shown on the plan was constructed as shown on the "AS BUILT" plans and complies with the approved plans and specifications. I have verified that the contributing drainage area is sufficiently stabilized to prevent clogging of the underground SWM Facility.

**FOREST CONSERVATION WORKSHEET VERSION 2.2**

**BASIC SITE DATA:**

A. TOTAL TRACT AREA	3.69
B. AREA WITHIN 100 YEAR FLOODPLAIN	---
C. AREA TO REMAIN IN AGRICULTURAL PRODUCTION	---
D. NET TRACT AREA	3.69
LAND USE CATEGORY:	HDR
<b>INFORMATION FOR CALCULATIONS:</b>	
E. AFForestation THRESHOLD	15% x D = 0.55
F. FOREST CONSERVATION THRESHOLD	20% x D = 0.74
<b>EXISTING FOREST COVER:</b>	
G. EXISTING FOREST COVER (EXCLUDING FLOODPLAIN)	2.29
H. AREA OF FOREST ABOVE CONSERVATION THRESHOLD	1.55
I. BREAK EVEN POINT	1.05
J. FOREST CLEARING PERMITTED WITHOUT MITIGATION	1.24
<b>PROPOSED FOREST CLEARING:</b>	
K. FOREST TO BE CLEARED	1.51
L. FOREST TO BE RETAINED	0.78
<b>PLANTING REQUIREMENTS:</b>	
M. REFORESTATION FOR CLEARING ABOVE THE CONSERVATION THRESHOLD	0.38
N. CREDIT FOR CLEARING BELOW THE CONSERVATION THRESHOLD	0.00
O. CREDIT FOR RETENTION ABOVE THE CONSERVATION THRESHOLD	0.04
P. TOTAL REFORESTATION REQUIRED	0.34
Q. TOTAL AFForestation REQUIRED	0.02
R. TOTAL PLANTING REQUIREMENT	0.34

**FCP NOTES**  
 THIS FOREST CONSERVATION PLAN DOCUMENTS THE PROPOSED FOREST TO BE CLEARED AND TO BE RETAINED. ACCORDING TO MARYLAND DEPARTMENT OF NATURAL RESOURCES GUIDELINES, THE REQUIRED 0.34 ACRES OF FOREST RESTORATION SHALL BE PROVIDED THROUGH THE FOREST CONSERVATION WORKSHEET. A PROPOSED FEE-IN-LIEU WILL COMPENSATE FOR ANY MITIGATION REQUIRED.

PLEASE NOTE THAT NO 100-YEAR FLOODPLAIN, WETLANDS, STREAMS OR SPECIMEN TREES WERE IDENTIFIED ON THE PROPERTY.  
 ANY FOREST CONSERVATION EASEMENT (FCE) AREA SHOWN HEREON IS SUBJECT TO PROTECTIVE COVENANTS WHICH MAY BE REQUIRED BY THE HOWARD COUNTY DEPARTMENT OF FOREST CONSERVATION. FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF FOREST CONSERVATION EASEMENT ARE ALLOWED.

FORESTED AREAS OCCURRING OUTSIDE OF THE FCE SHALL NOT BE CONSIDERED PART OF THE FCE AND SHALL NOT BE SUBJECT TO PROTECTIVE LAND COVENANTS.  
 LIMITS OF DISTURBANCE SHALL BE RESTRICTED TO AREAS OUTSIDE THE LIMIT OF TEMPORARY FENCING OR THE FCE BOUNDARY, WHICHEVER IS GREATER.

THERE SHALL BE NO CLEARING, GRADING, CONSTRUCTION OR DISTURBANCE OF VEGETATION IN THE FOREST CONSERVATION EASEMENT, EXCEPT AS PERMITTED BY HOWARD COUNTY DPZ.  
 NO STOCKPILES, PARKING AREAS, EQUIPMENT CLEANING AREAS, ETC. SHALL OCCUR WITHIN AREAS DESIGNATED AS FOREST CONSERVATION EASEMENTS.

TEMPORARY FENCING SHALL BE USED TO PROTECT FOREST RESOURCES DURING CONSTRUCTION. THE FENCING SHALL BE PLACED ALONG ALL FCE BOUNDARIES WHICH OCCUR WITHIN 15 FEET OF THE PROPOSED LIMITS OF DISTURBANCE.  
 PERMANENT SIGNAGE SHALL BE PLACED 50' - 100' APART ALONG BOUNDARIES OF ALL AREAS INCLUDED IN FOREST CONSERVATION EASEMENTS.

**AREA OF FOREST TO BE CLEARED**  
 STAND 1: 0.55 ACRES  
 STAND 2: 0.93 ACRES  
 STAND 3: 0.00 ACRES  
**TOTAL AREA OF FOREST TO BE CLEARED: 1.51 ACRES**

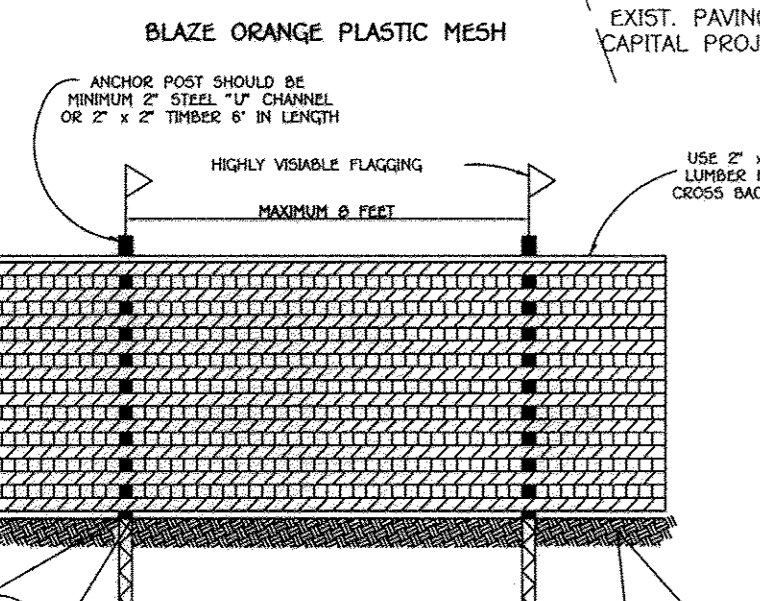
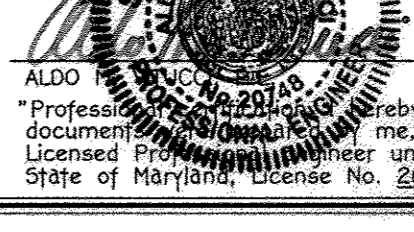
NOTES: 1. THE OVERHEAD ELECTRIC LINES LOCATED ON OPEN SPACE LOT 9 WILL BE RELOCATED TO AN AREA OUTSIDE THE PROPOSED FOREST CONSERVATION EASEMENT.  
 2. THE FOREST CONSERVATION REQUIREMENTS PER SECTION 16.1200 OF THE HOWARD COUNTY CODE AND THE FOREST CONSERVATION MANUAL FOR THIS SUBDIVISION WILL BE FULFILLED BY PROVIDING 0.78 AC OF ON-SITE RETENTION AND 0.34 AC OF ON-SITE REFORESTATION. SURETY FOR THE ON-SITE REFORESTATION @ \$0.50/SQ.FT. FOR 13,939 SQ.FT. = \$6,970.00 IS REQUIRED. THE BALANCE OF 0.34 ACRES OF FOREST CONSERVATION REQUIRED WILL BE PROVIDED VIA A FEE-IN-LIEU PAYMENT IN THE AMOUNT OF \$ 684.00 ( \$78.50/SQ.FT. X 0.75 = \$ 468.40 ).

**FOREST CONSERVATION PLAN**  
**Winter Crest**  
 Buildable Lots 1 Thru 9 And  
 Open Space Lot 9  
 (Being A Resubdivision Of Lot 2, As Shown On A Plat Entitled "Norris E. Pool, Lots 1, 2 & 3, Winters Lane, & Hanover Rd." Recorded Among The Land Records Of Howard County, Maryland As Plat No. 3342)  
 Zoned: R-12  
 Parcel: 866  
 First Election District - Howard County, Maryland  
 Date: August 28, 2012  
 Scale: As Shown  
 Sheet 10 of 10

**FCE Planting Area - 0.32 acres**  
 Planting units required: 224 (112 whips)  
 Planting units provided: 224 (112 whips)

Qty	Species	Size	Spacing	Total FCA Units
22	Acer x Fraxinifolia 'Autumn Blaze' - Freeman Maple	2-3" whip	11' o.c.	11.0
20	Cercis canadensis - Red bud	2-3" whip	11' o.c.	11.0
15	Carpinus caroliniana - American Hornbeam	2-3" whip	11' o.c.	11.0
15	Liriodendron tulipifera - Tulip poplar	2-3" whip	11' o.c.	11.0
10	Betula nigra 'Vertigo' - River Birch	2-3" whip	11' o.c.	11.0
10	Thuja virginiana - American Arborvitae	2-3" whip	11' o.c.	11.0
10	Thuja americana 'Valley Forge' - Valley Forge American Elm	2-3" whip	11' o.c.	11.0
10	Acer campestre - Hedge Maple	2-3" whip	11' o.c.	11.0
112 Total whip plantings (12 planting units per whip) = 224 Total FCA unit credit				224
Total Unit Credit				224

WHIPS w/whetters = 350/ACRE = 350 x 0.64 = 224  
 2 Planting units = 1 Whip



**TREE PROTECTION DETAIL**  
 NOT TO SCALE

**ON-SITE SIGNAGE**

**FOREST CONSERVATION EASEMENT**

UNAUTHORIZED DISTURBANCE OF VEGETATION IS PROHIBITED. VIOLATORS SUBJECT TO PENALTIES UNDER THE HOWARD COUNTY FOREST CONSERVATION ACT OF 1991.

**TREES FOR YOUR FUTURE**

*Mark Bunsieck 8/29/12*  
 Date  
 Qualified Professional as per the 1991 Maryland Forest Conservation Act Issued November 1, 2006

**Owner/Developer**  
 Winters Lane Investments, LLC  
 c/o B. James Greenfield  
 6420 Autumn Sky Way  
 Columbia, Maryland 21044  
 Phone: (443) 324-4732

**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTRAL SQUARE OFFICE PARK - 10272 MULTIPLE NATIONAL FIVE  
 ELLIOTT CITY, MARYLAND 21042  
 (410) 461-3999