

ROAD CONSTRUCTION PLANS

WHISKEY BOTTOM POINT

LOTS 1-6 , OPEN SPACE LOTS 7-9

AND NON-BUILDABLE BULK PARCEL "A"

SIXTH ELECTION DISTRICT

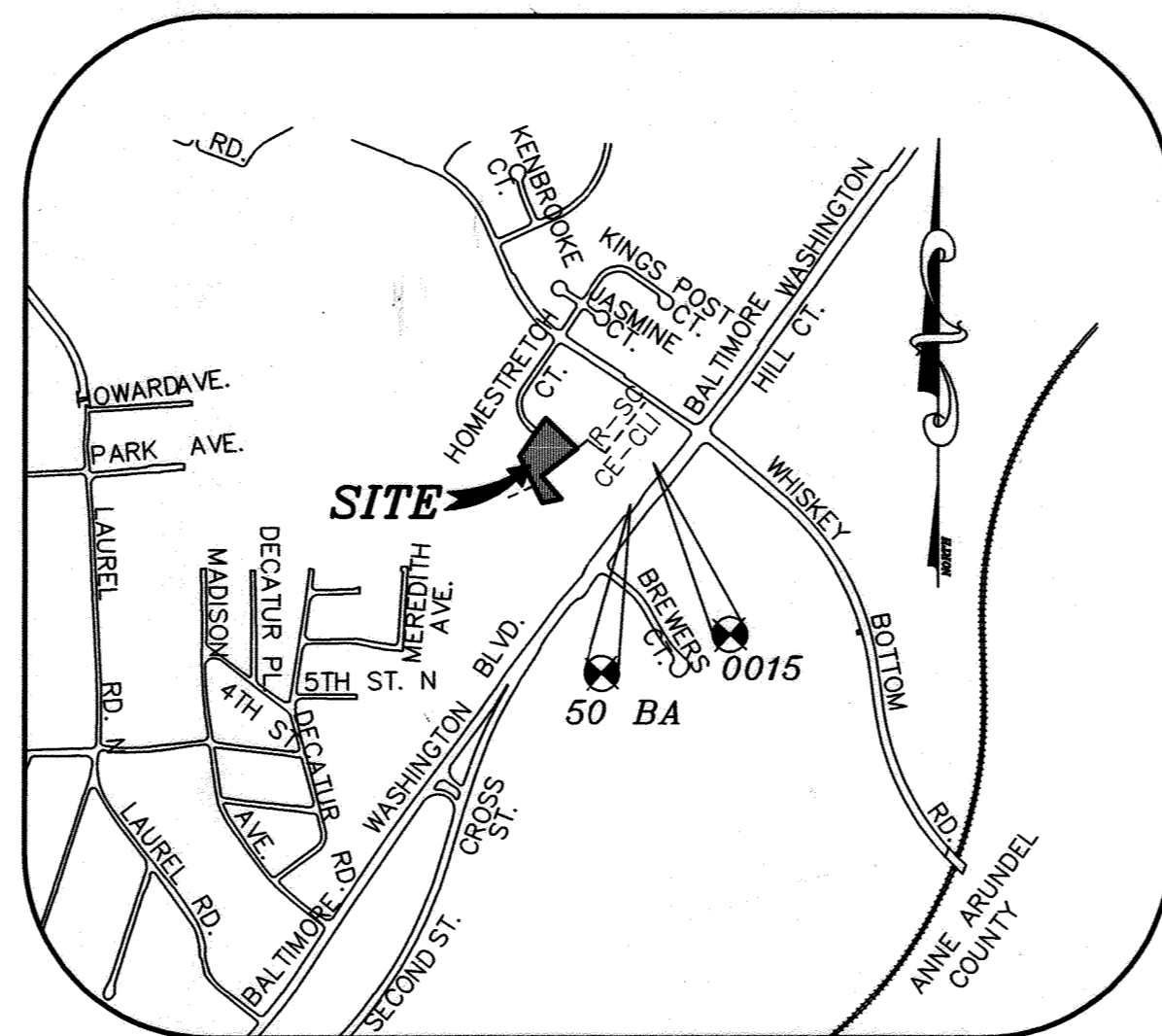
HOWARD COUNTY, MARYLAND

SHEET INDEX

| NO | TITLE |
|----|------------------------------------------------------|
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GENERAL NOTES:

- THIS SUBJECT PROPERTY IS ZONED R-SC PER THE OCTOBER 6, 2013 COMPREHENSIVE ZONING PLAN.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/ BUREAU OF ENGINEERING/ CONSTRUCTION INSPECTION DIVISION AT (410)313-1880 AT LEAST FIVE (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.
- ALL TRAFFIC CONTROL DEVICES AND THEIR LOCATIONS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "MARYLAND MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MMUTCD).
- TOPOGRAPHY WITHIN 200' OF SITE BOUNDARY SHOWN HEREON IS BASED ON FIELD RUN TOPOGRAPHY BY MILDENBERG, BOENDER, & ASSOCIATES, ON OR ABOUT FEBRUARY, 2006. OTHER TOPOGRAPHY SHOWN IS BASED ON HOWARD COUNTY GIS.
- BOUNDARY SHOWN HEREON IS BASED ON A FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT FEBRUARY, 2006 BY MILDENBERG, BOENDER & ASSOC., INC.
- COORDINATES BASED ON NAD '83 (HORIZONTAL) AND NAD '88 (VERTICAL) MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS
 STA. No. 50B1 N 527,561.667, E 1,359,772.600, ELEV. 248.655
 STA. No. 0015 N 527,889.354, E 1,360,017.060, ELEV. 239.581
- PROJECT BACKGROUND:**
 TAX MAP: 50, GRID: 4, PARCEL: 488 / BULK PARCEL B-3
 ELECTION DISTRICT: SIXTH
 ZONING: R-SC
 DEED REFERENCE: 11026/111
 PREVIOUS PROJECT NUMBERS: ECP-13-055, F-12-065, F-07-036, WP-10-158
- SITE DATA TABULATION**
 GROSS AREA OF PROPERTY TRACT: 1.72 AC ±
 AREA OF FLOODPLAIN: 0 AC
 AREA OF STEEP SLOPES: 0 AC
 NET AREA OF PROPERTY TRACT: 1.72 AC ±
 DISTURBED AREA: 1.72 AC ±
 MINIMUM LOT SIZE PROPOSED: 6,000 SQ.FT.
 NUMBER OF BUILDABLE LOTS PROPOSED: 6 (SFD)
 NUMBER OF OPEN SPACE LOTS PROPOSED: 3
 TOTAL LOTS / PARCELS PROPOSED: 10
 REQUIRED OPEN SPACE (25% OF TOTAL SITE AREA): 18,731 S.F.
 PROVIDED CREDITED OPEN SPACE AREA: 19,072 S.F.
 PROVIDED NON-CREDITED OPEN SPACE AREA: 4,360 S.F.
 AREA TO BE DEDICATED FOR USE AS A PUBLIC ROAD: 11,359 S.F. / 0.26 AC ±
 WATER IS PUBLIC, CONTRACT # 24-4872-D.
 SEWER IS PUBLIC, CONTRACT # 24-4872-D.
- STORMWATER MANAGEMENT IS PROVIDED BY 2 M-6 MICRO-BIORETENTION FACILITIES IN ACCORDANCE WITH THE 2007 MARYLAND STORMWATER DESIGN MANUAL AND THE HOWARD COUNTY DESIGN MANUAL (REGARDING MANAGEMENT OF THE 10-YEAR STORM EVENT), ALL STORMWATER MANAGEMENT FACILITIES ARE PRIVATELY OWNED AND MAINTAINED.
- NO AREAS OF THE 100-YEAR FLOODPLAIN, STREAMS, STREAM BUFFERS, WETLANDS, WETLAND BUFFERS, OR CONTIGUOUS AREAS OF 10,000 SQUARE FEET OR MORE OF STEEP SLOPES EXIST ON-SITE.
- DURING A FIELD VISIT ON JANUARY 31, 2013 BY MILDENBERG, BOENDER & ASSOCIATES, INC. IT WAS DETERMINED THAT NO AREAS OF FOREST STAND EXIST ON-SITE.
- DURING A FIELD VISIT ON JANUARY 31, 2013 BY MILDENBERG, BOENDER & ASSOCIATES, INC. IT WAS DETERMINED THAT NO AREAS OF WETLAND EXIST ON-SITE.
- FOREST CONSERVATION OBLIGATIONS IN ACCORDANCE WITH SECTION 16.1200 OF THE HOWARD COUNTY CODE AND FOREST CONSERVATION ACT FOR THIS SUBDIVISION WILL BE FULFILLED BY PAYMENT OF FEE-IN-LIEU IN THE AMOUNT OF \$14,048.10 FOR 0.43 ACRES OF REFORESTATION.
- SOIL DELINEATION IS BASED ON HOWARD COUNTY SOIL SURVEY MAP 2003.
- LANDSCAPING FOR LOTS 1 THRU 6 IS PROVIDED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. A LANDSCAPE SURETY FOR THE REQUIRED LANDSCAPING IN THE AMOUNT OF \$7,800.00 (21 SHADE TREES, 2 EVERGREEN TREES, 20 SHRUBS AND 4 ORNAMENTAL TREES) WILL BE POSTED AT THE SITE DEVELOPMENT PLAN STAGE.
- PER SECTION 16.121(a) OF THE HOWARD COUNTY SUBDIVISION AND LAND USE REGULATIONS, OPEN SPACE FOR THIS SUBDIVISION HAS BEEN PROVIDED THROUGH THE CREATION OF OPEN SPACE LOTS 7 AND 9.
- A PRE-SUBMISSION COMMUNITY MEETING WAS HELD FOR THIS PROJECT ON JANUARY 10, 2014 AT HOWARD COUNTY SAVAGE BRANCH PUBLIC LIBRARY.
- THIS DEVELOPMENT PLAN IS SUBJECT TO THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE ZONING REGULATIONS. DEVELOPMENT OR CONSTRUCTION ON LOTS MUST COMPLY WITH SETBACK AND BUFFER REGULATIONS IN EFFECT AT THE TIME OF SUBMISSION OF THE BUILDING / GRADING PERMIT.
- AN APPO TRAFFIC STUDY FOR THIS PROJECT WAS APPROVED ON SEPTEMBER 8, 2014. FEE-IN-LIEU IN THE AMOUNT OF \$5,466.75 FOR ROAD IMPROVEMENTS WILL BE REQUIRED FOR APPROVAL OF THE FINAL ROAD CONSTRUCTION PLANS.
- WAIVER PETITION WP-10-158 TO WAIVE SECTION 16.120(c)(2)(IV) OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS WAS APPROVED ON AUGUST 17, 2010. SECTION 16.120(c)(2)(IV) REQUIRES THAT SHARED USE AND MAINTENANCE OF A SINGLE USE-IN-COMMON DRIVEWAY IS LIMITED TO SIX (6) SINGLE-FAMILY LOTS. WP-10-158 ALLOWS FOR SEVEN (7) LOTS TO HAVE ACCESS TO THE USE-IN-COMMON DRIVEWAY THAT IS REFERRED TO AS "DAVENE LANE".
- PER SECTION 110.0.E OF THE HOWARD COUNTY ZONING REGULATIONS, AT LEAST 10% OF THE DWELLINGS SHALL BE MODERATE INCOME HOUSING UNITS.
- DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO ENSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
 A) WIDTH - 12 FEET (16 FEET SERVING MORE THAN ONE RESIDENT).
 B) SURFACE - 6 INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1.5" MIN).
 C) GEOMETRY - MAX. 14% GRADE, MAX. 10% GRADE CHANGE AND MIN. OF 45 FOOT TURNING RADIUS.
 D) STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING).
 E) DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOOD PLAIN WITH NO MORE THAN 1 FOOT OF DEPTH OVER DRIVEWAY SURFACE.
 F) STRUCTURE CLEARANCES - MINIMUM 12 INCHES
 G) MAINTENANCE - SUFFICIENT TO ENSURE ALL WEATHER USE.
- NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN LIMITS OF WETLANDS, STREAMS OR THEIR REQUIRED BUFFERS, FLOODPLAIN AND FOREST CONSERVATION EASEMENT AREAS, EXCEPT AS DETERMINED TO BE NECESSARY DISTURBANCE.
- STREET LIGHT PLACEMENT AND THE TYPE OF FIXTURES AND POLES SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME III (2006), SECTION 5.5.A. A MINIMUM OF 20' SHALL BE MAINTAINED BETWEEN ANY STREET LIGHT AND ANY TREE.
- THE SUBDIVISION WILL CREATE SIX (6) NEW LOTS WHICH WILL BE SUBJECT TO THE MHU FEE-IN-LIEU REQUIREMENT THAT IS TO BE CALCULATED AND PAID TO THE DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS BY THE PERMIT APPLICANT AT THE TIME OF BUILDING PERMIT ISSUANCE.
- THE OPEN SPACES SHOWN HEREON ARE HEREBY DEDICATED TO A HOMEOWNERS ASSOCIATION AND HOWARD COUNTY RECREATION AND PARKS.



VICINITY MAP
SCALE: 1" = 2000'
ADC MAP 40, GRID D-7

- MB-1 MICRO-BIORETENTION FACILITY I.D.
- 8' ASPHALT PATH
- 5' CONC. SIDEWALK
- EXISTING CONTOUR
- PROPOSED CONTOUR
- SOIL BORING LOCATION
- PROPOSED SPOT GRADE
- LIMIT OF DISTURBANCE
- SUPER SILT FENCE
- SILT FENCE
- SILT DIVERSION FENCE
- STABILIZED CONSTRUCTION ENTRANCE
- ZONING DISTRICT BOUNDARY

APPROVED: DEPT OF PUBLIC WORKS
 [Signature] 6/3/2016
 CHIEF, BUREAU OF HIGHWAYS

DEVELOPERS CERTIFICATE
 I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.
 [Signature] 7-17-16
 ISAAK CHELCEA
 PRINTED NAME OF DEVELOPER

ENGINEER'S CERTIFICATE
 I 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 NATURAL RESOURCE CONSERVATION SERVICE.
 [Signature] 4/14/16
 R. JACOB HIKMAT P.E.
 PRINTED NAME OF ENGINEER

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT
 [Signature] 5/4/16
 HOWARD COUNTY SOIL CONSERVATION DISTRICT

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 [Signature] 5-20-16
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 [Signature] 6-6-16
 CHIEF, DIVISION OF LAND DEVELOPMENT
 [Signature] N/A
 DIRECTOR

OWNER
 JENMAR HOMES AT
 WHISKEY BOTTOM, LLC
 3403 OLD POST DRIVE
 BALTIMORE, MD. 21208
 (410) 486-5693

DEVELOPER
 JENMAR HOMES, INC.
 3403 OLD POST DRIVE
 BALTIMORE, MD. 21208
 (410) 486-5693

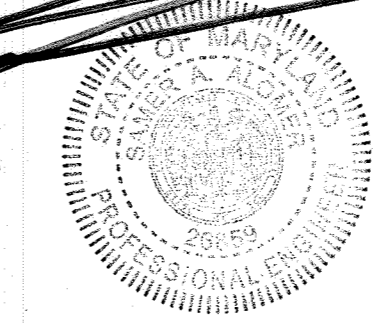


I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 17942, EXP DATE 09/03/16
 [Signature] 4/14/16
 R. JACOB HIKMAT P.E.

| LOT # | ADDRESS | STORMWATER MANAGEMENT PRACTICES | | | | | | | | | | | |
|-------|------------------------|---------------------------------|-----------------------|-------------------------------------------|-----------------------------------------------------------|------------------------------------------|-------------------------------|------------------------------------|---------------------------------|--------------------|-----------------------------|-----------------------|-----------------|
| | | GREEN ROOF PERMEABLE ROOF (Y/N) | REINFORCED TURF (Y/N) | DISCONNECTION OF ROOF FOR RUNOFF (NUMBER) | DISCONNECTION OF NON-ROOF TOP CONSERVATION AREAS (NUMBER) | SHEETFLOW TO CONSERVATION AREAS (NUMBER) | RAINWATER HARVESTING (NUMBER) | SUBMERGED GRAVEL WETLANDS (NUMBER) | LANDSCAPE INFILTRATION (NUMBER) | DRY WELLS (NUMBER) | MICRO-BIORETENTION (NUMBER) | RAIN GARDENS (NUMBER) | SWALES (NUMBER) |
| 1 | 9252 HOMESTRETCH COURT | N | N | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 9256 HOMESTRETCH COURT | N | N | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 9260 HOMESTRETCH COURT | N | N | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 9259 HOMESTRETCH COURT | N | N | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 9255 HOMESTRETCH COURT | N | N | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 9251 HOMESTRETCH COURT | N | N | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DURING CONSTRUCTION, ACCESS FROM LOTS ON THE "WATSON DEVELOPMENT" TO HOMESTRETCH COURT IS TO BE MAINTAINED.

THERE IS NO AS-BUILT INFORMATION PROVIDED ON THIS SHEET

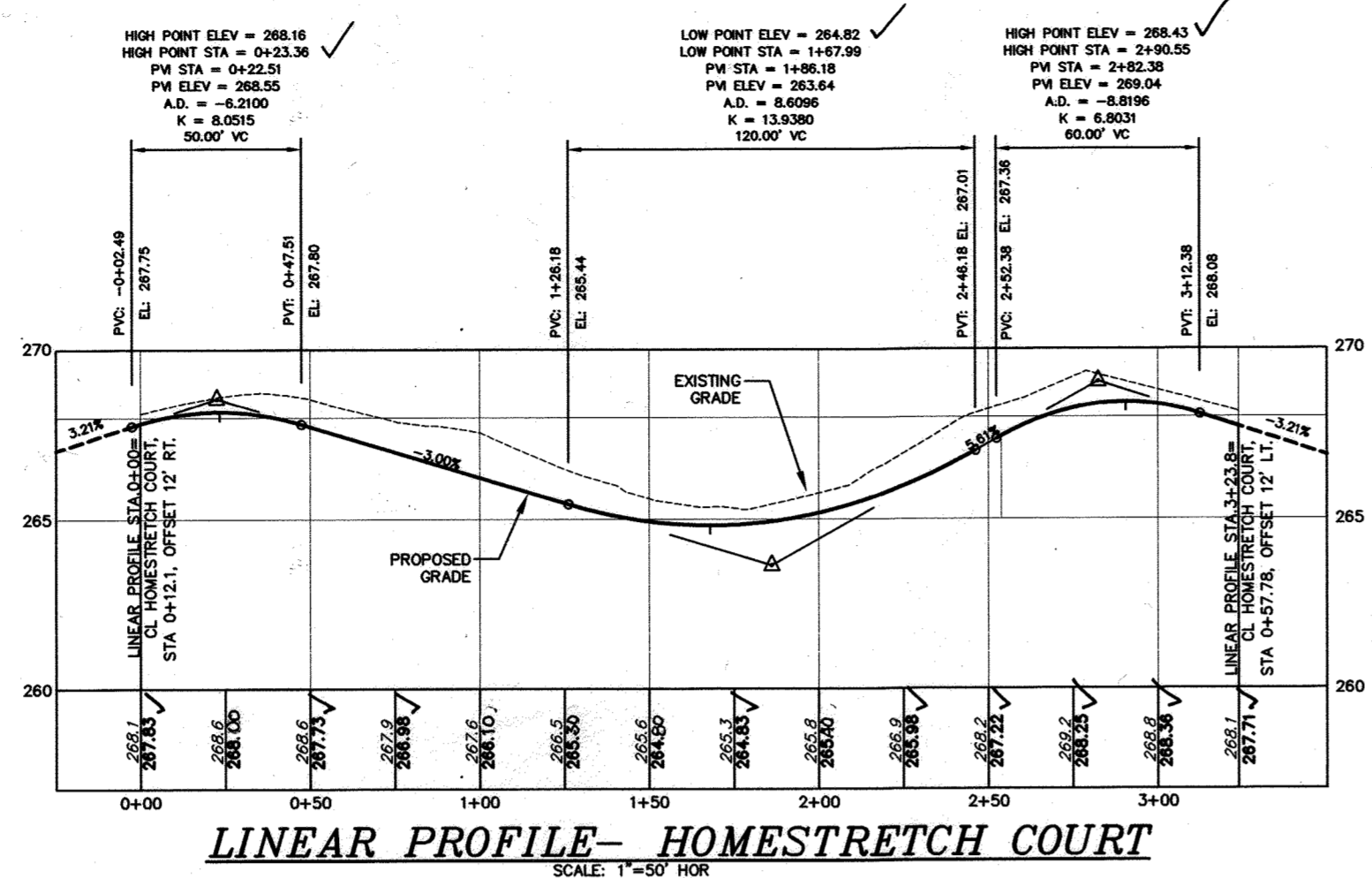
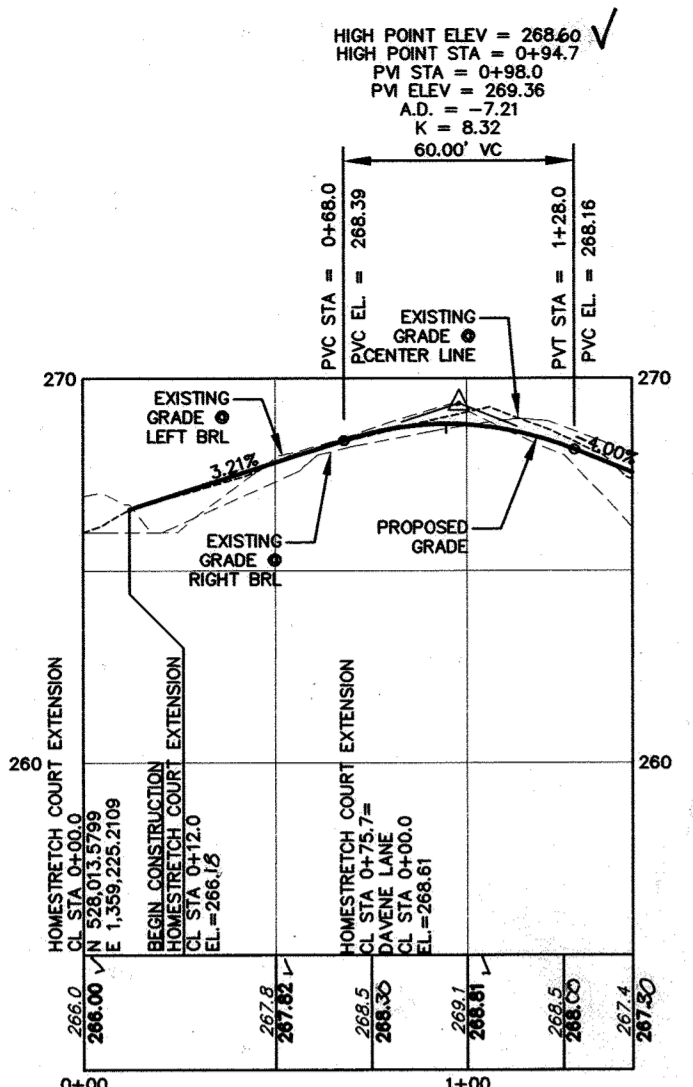


project 12-007
 illustration MMT/MMM
 date APR. 2016
 engineering MMM
 approval R/H
 scale 1"=60'

description
 revisions
 no.

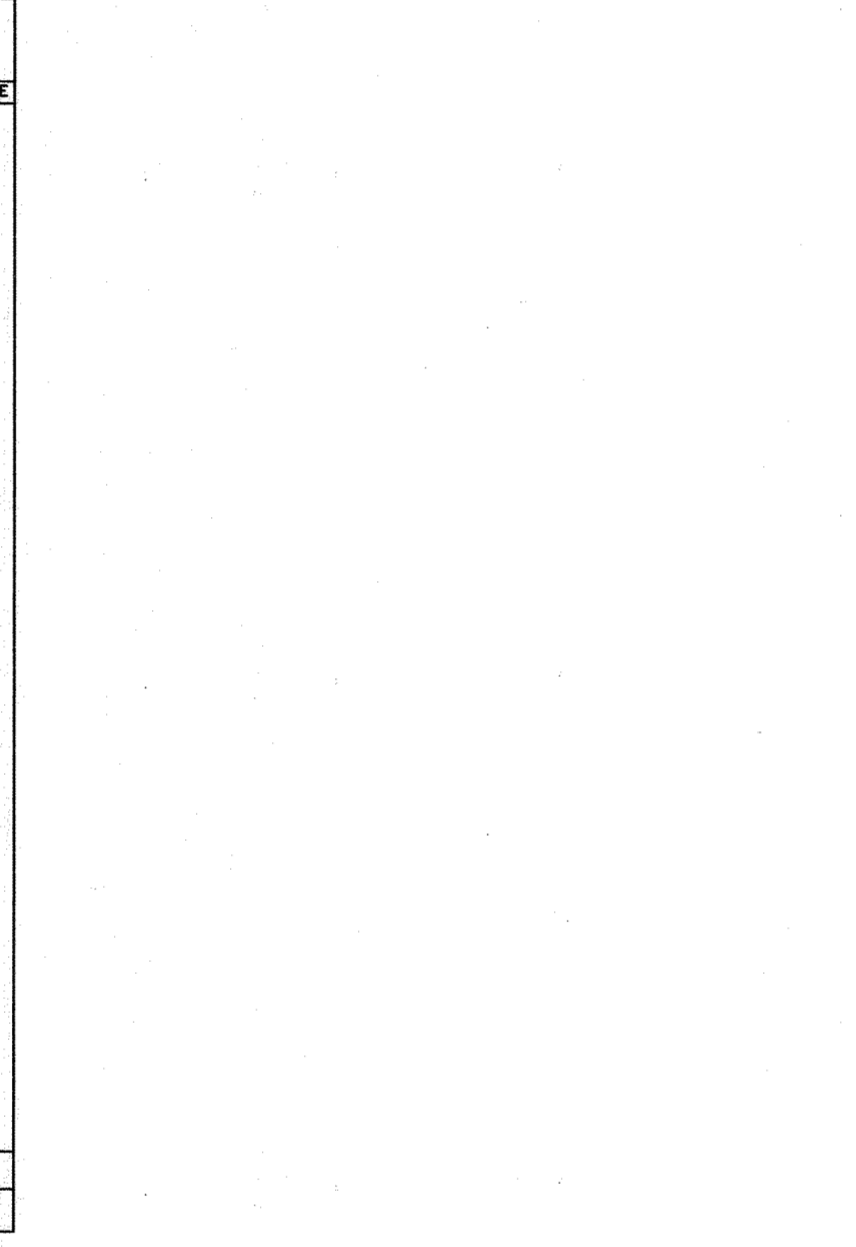
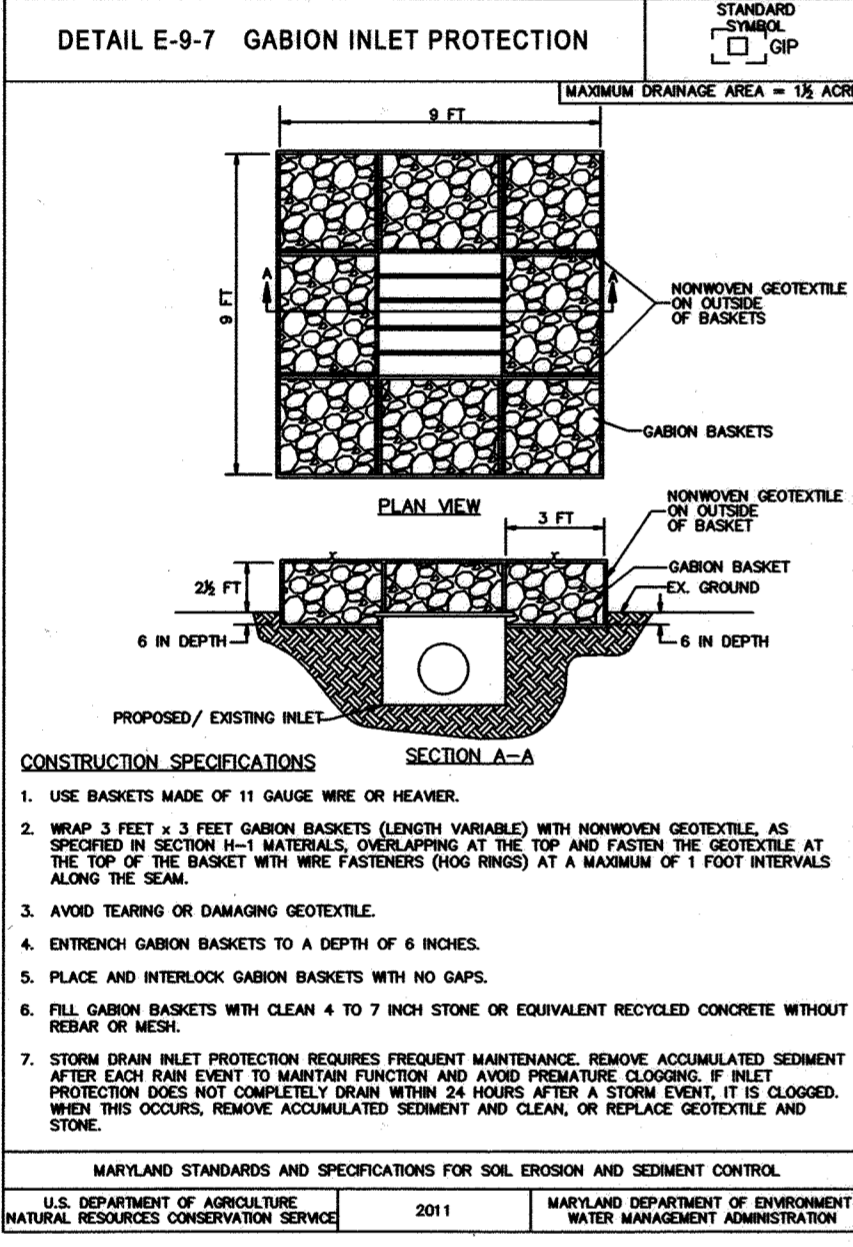
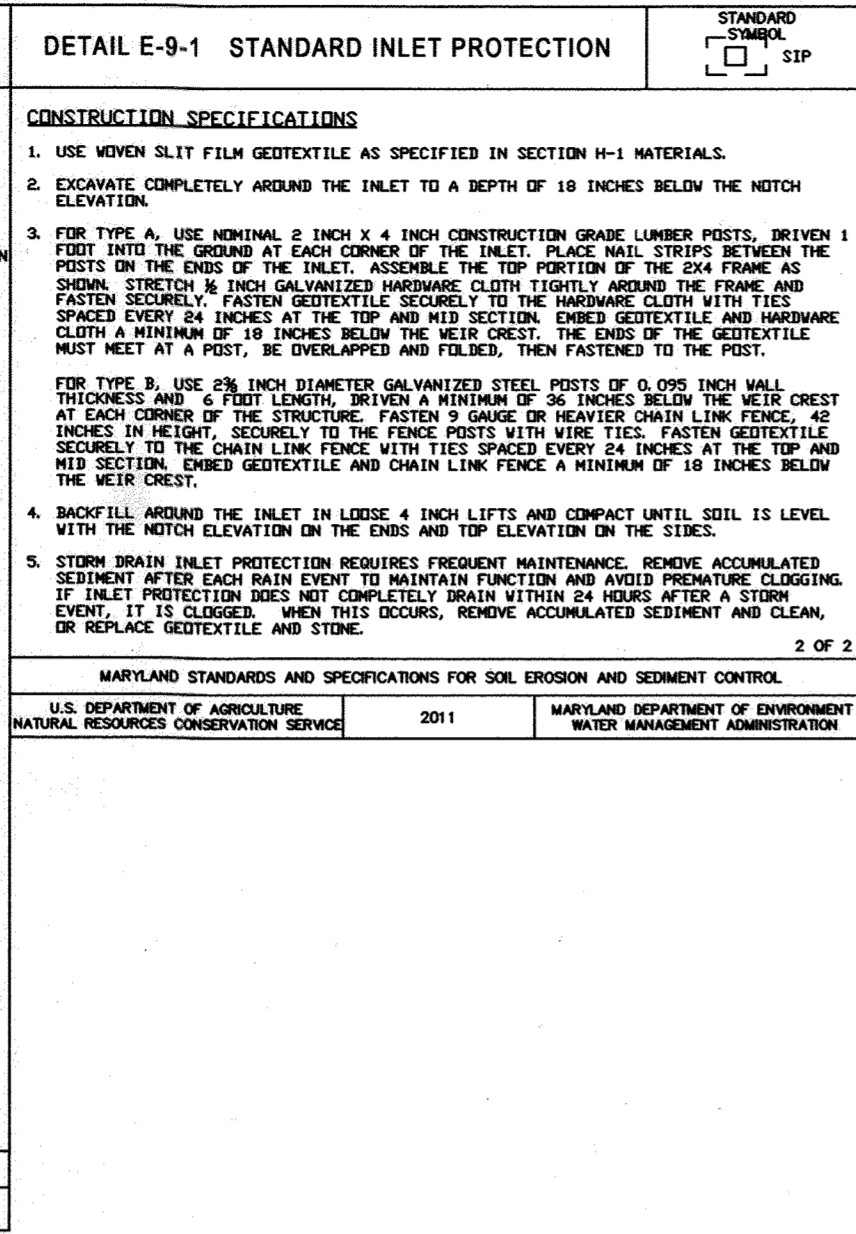
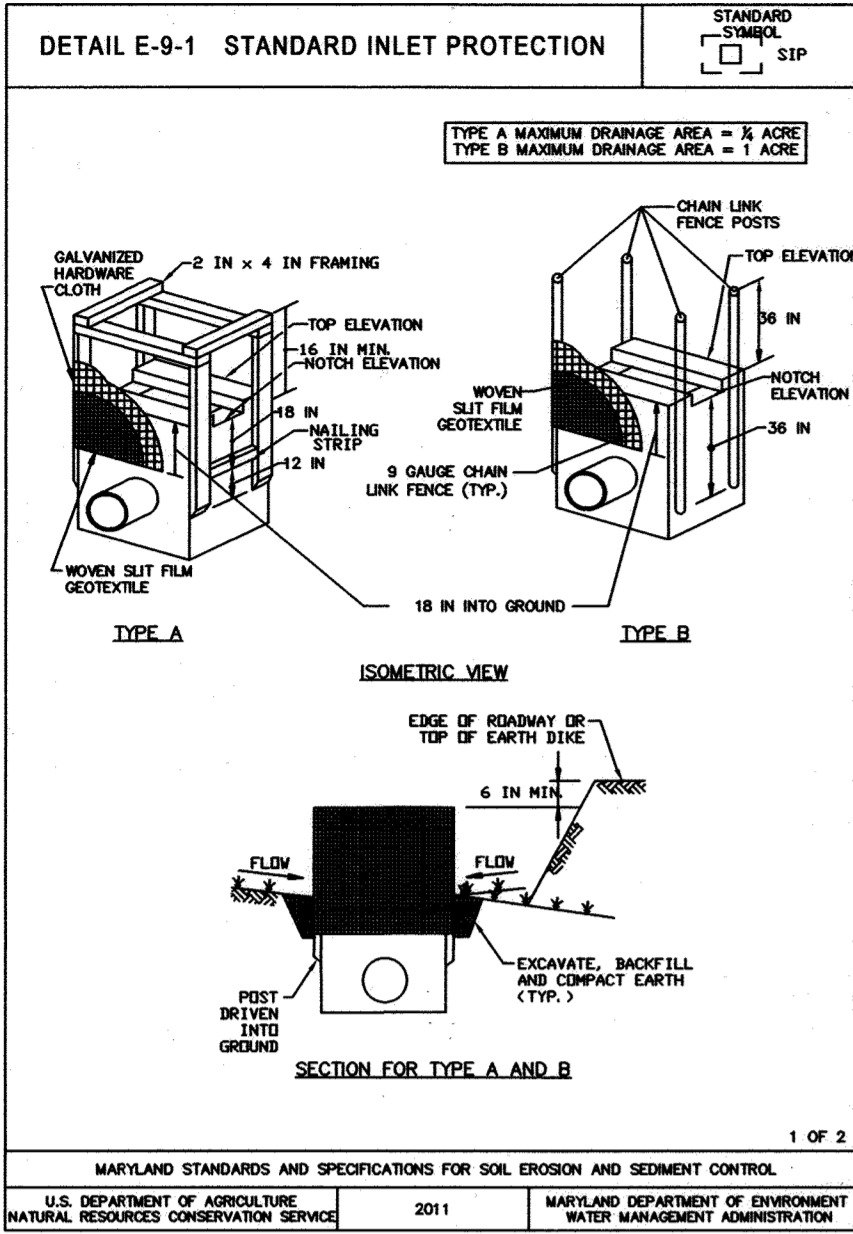
WHISKEY BOTTOM POINT, LOTS 1 THRU 6, OPEN SPACE LOTS 7-9 AND NON-BUILDABLE BULK PARCEL 'A', A RESUBDIVISION OF NON-BUILDABLE BULK PARCEL B-3 (PLAT#10576)
 TAX MAP 50, PARCEL 488, BULK PARCEL B-3, BLOCK 4
 SIXTH ELECTION DISTRICT
 HOWARD COUNTY
 COVER SHEET

MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 7350-B Grace Drive, Columbia, Maryland 21044
 (410) 997-0296 Fax: (410) 997-0288 Fax



SOILS DESCRIPTION

| SYMBOL | RATING | NAME | K FACTOR | PAGE |
|--------|--------|-----------------------------------------------------------|----------|------|
| U8B | D) | URBAN LAND-SASSAFRASS-BELTSVILLE COMPLEX, 0% TO 5% SLOPES | .37 | 24 |



OWNER
JENMAR HOMES AT
WHISKEY BOTTOM, LLC
3403 OLD POST DRIVE
BALTIMORE, MD. 21208

DEVELOPER
JENMAR HOMES, INC.
3403 OLD POST DRIVE
BALTIMORE, MD. 21208

DEVELOPERS CERTIFICATE

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

James J. Hilde 4/19/16
SIGNATURE OF DEVELOPER DATE

Barc GWEILGER
PRINTED NAME OF DEVELOPER

ENGINEER'S CERTIFICATE

I 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 NATURAL RESOURCE CONSERVATION SERVICE.

Jacob Hikmat 4/14/16
SIGNATURE OF ENGINEER DATE

R. JACOB HIKMAT P.E.
PRINTED NAME OF ENGINEER

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

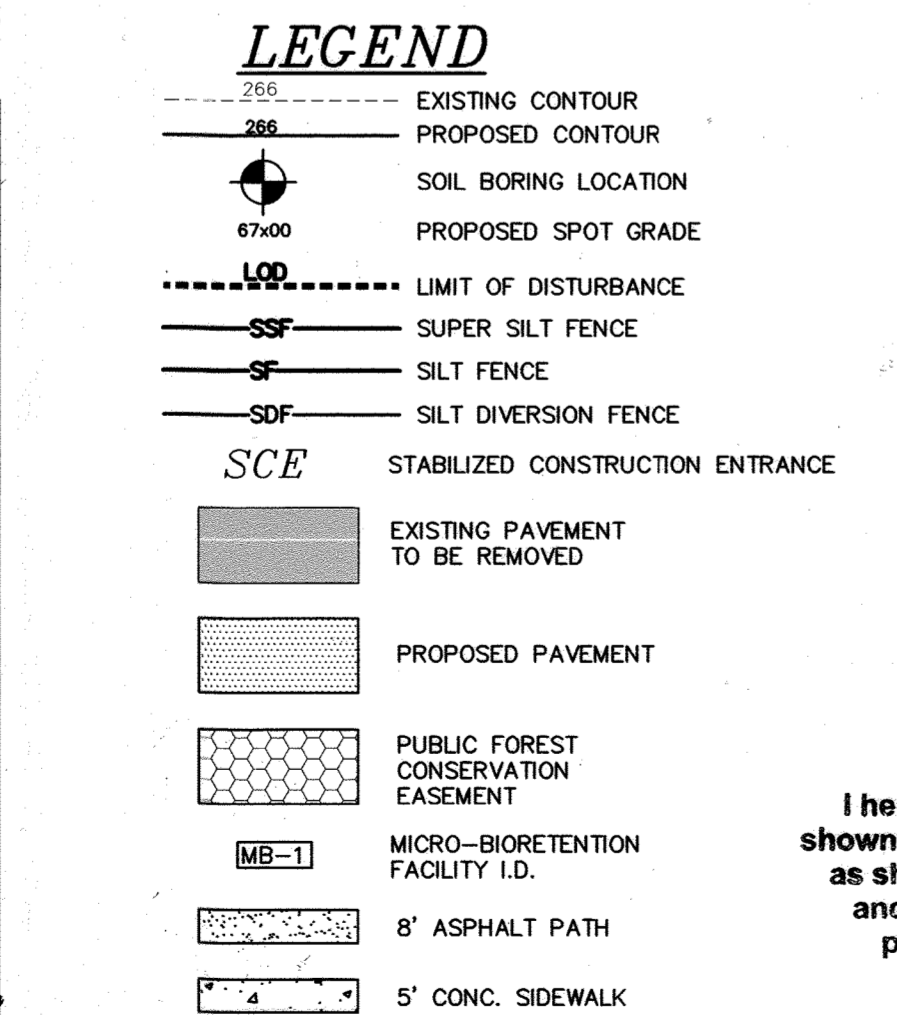
John L. Robertson 5/4/16
HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chad Edm 5-20-16
CHIEF, DEVELOPMENT ENGINEERING DIVISION 108 DATE

Keat She 6-6-16
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

DIA
DIRECTOR DATE



I hereby certify that the facility shown on this plan was constructed as shown on the 'As-Built' plans and meets with the approved plans and specifications.

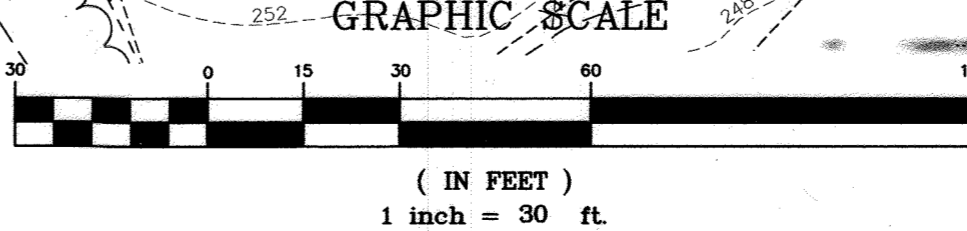
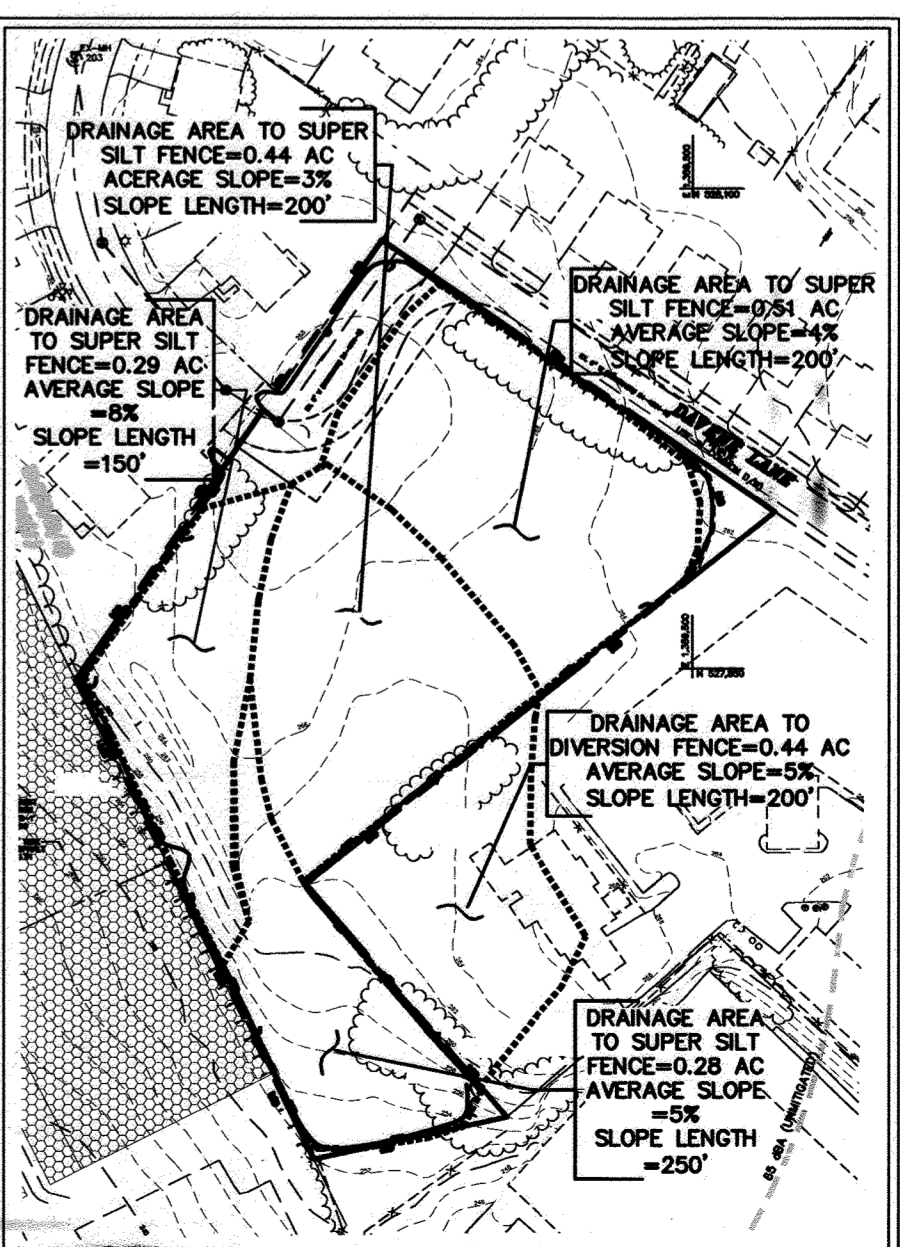
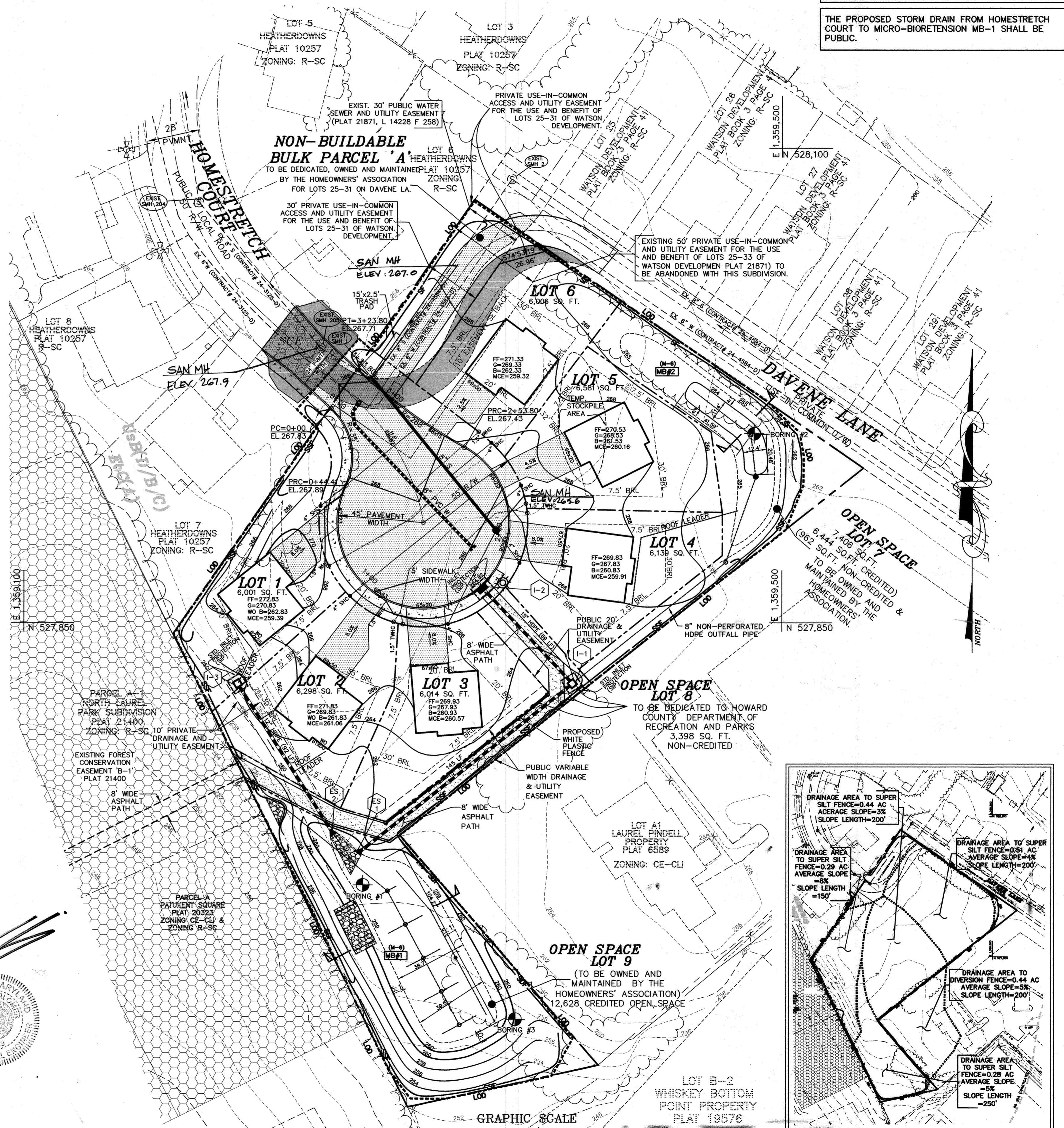


I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 17942-EXP DATE 09/03/16

R. Jacob Hikmat 4/14/16
R. JACOB HIKMAT P.E. DATE

APPROVED: DEPT OF PUBLIC WORKS

Melanie 6/3/2016
CHIEF, BOARD OF HIGHWAYS DATE



DURING CONSTRUCTION, ACCESS FROM LOTS ON THE "WATSON DEVELOPMENT" TO HOMESTRETCH COURT IS TO BE MAINTAINED.

MICRO-BIORETENTION FACILITY 'MB-2' TO BE PRIVATELY OWNED AND MAINTAINED.

MICRO-BIORETENTION FACILITY 'MB-1' TO BE PRIVATELY OWNED AND JOINTLY MAINTAINED.

THE PROPOSED STORM DRAIN FROM HOMESTRETCH COURT TO MICRO-BIORETENTION MB-1 SHALL BE PUBLIC.

| | | |
|--------------|-------------|----------|
| project | date | approval |
| 12-007 | APR. 2016 | JLS |
| illustration | engineering | MM/M |
| MM/M | scale | 1"=30' |

| | | |
|-----|------------------------|---------|
| no. | description | date |
| 1 | APPROVED AS-BUILT DATA | 1/11/22 |
| 2 | revisions | |

WHISKEY BOTTOM POINT, LOTS 1 THRU 6, OPEN SPACE LOTS 7-9
AND NON-BUILDABLE BULK PARCEL A, A RESUBDIVISION OF NON-BUILDABLE BULK PARCEL B-3 (PLAT#19576)
TAX MAP 50, PARCEL 488, BULK PARCEL B-3, BLOCK 4
SIXTH ELECTION DISTRICT HOWARD COUNTY

FINAL GRADING, EROSION AND SEDIMENT CONTROL PLAN

MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
7350-B Grace Drive, Columbia, Maryland 21044
(410) 997-0296 Fax: (410) 997-0298 Fax

(B-4-2) STANDARDS AND SPECIFICATIONS FOR SOIL PREPARATION, TOPSOILING, AND 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: A. SOIL PREPARATION 1. TEMPORARY STABILIZATION... 2. PERMANENT STABILIZATION...

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

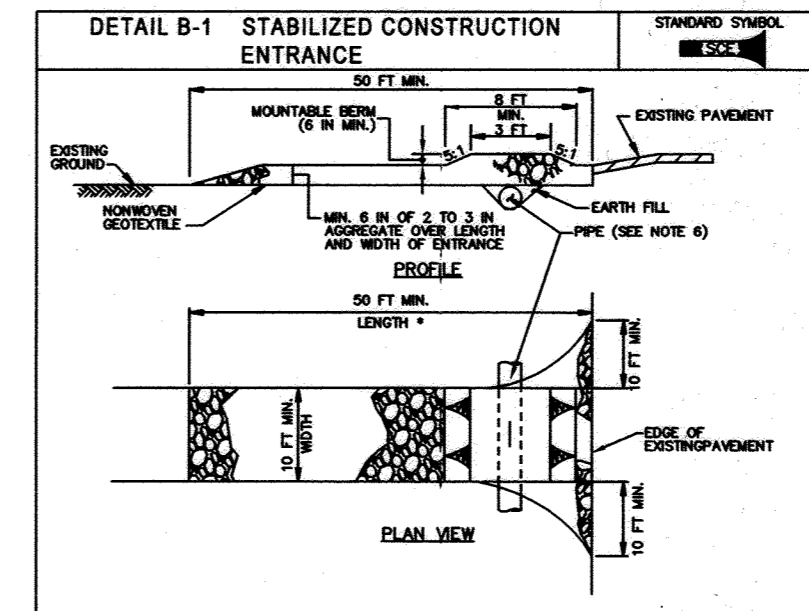
DEFINITION: THE APPLICATION OF SEED AND MULCH TO ESTABLISH VEGETATIVE COVER. PURPOSE: TO PROTECT DISTURBED SOILS FROM EROSION DURING AND AT THE END OF CONSTRUCTION. CRITERIA: A. SEEDING 1. SPECIFICATIONS... 2. APPLICATION... B. MULCHING 1. MULCH MATERIALS... 2. APPLICATION... 3. ANCHORING...

(B-4-4) STANDARDS AND SPECIFICATIONS FOR TEMPORARY STABILIZATION

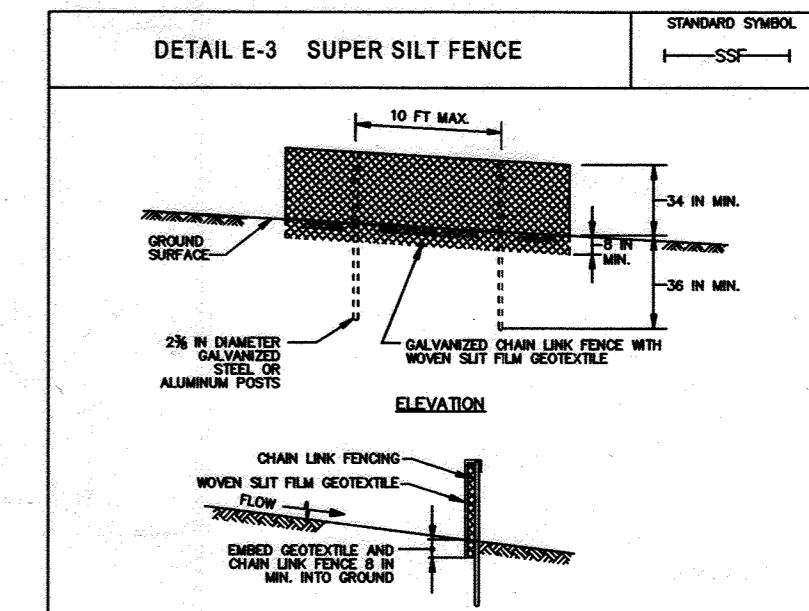
DEFINITION: TO STABILIZE DISTURBED SOIL WITH VEGETATION FOR UP TO 6 MONTHS. PURPOSE: TO USE FAST GROWING VEGETATION THAT PROVIDES COVER ON DISTURBED SOIL. CRITERIA: 1. SELECT ONE OR MORE OF THE SPECIES OR SEED MIXTURES LISTED IN TABLE B.1... 2. FOR SITES HAVING SOIL TESTS PERFORMED... 3. WHEN STABILIZATION IS REQUIRED OUTSIDE OF A SEEDING SEASON...

(B-4-5) STANDARDS AND SPECIFICATIONS FOR PERMANENT STABILIZATION

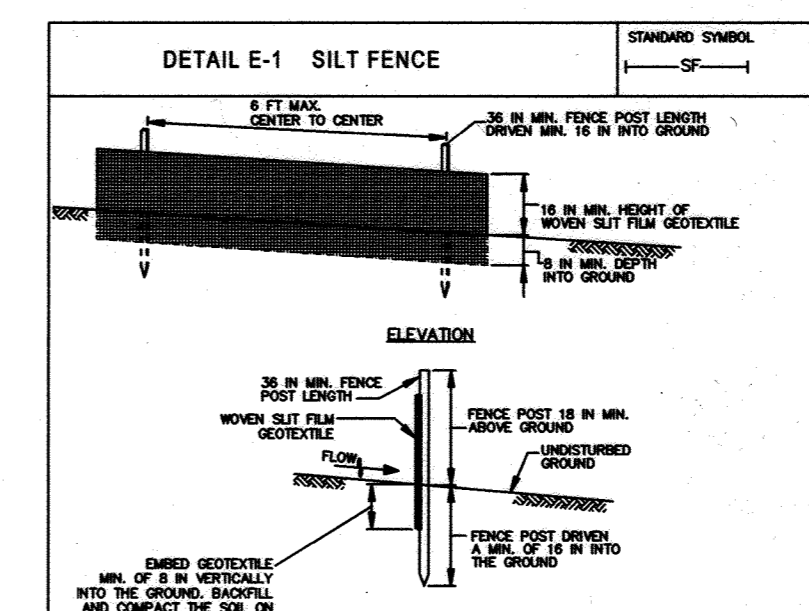
DEFINITION: TO STABILIZE DISTURBED SOIL WITH PERMANENT VEGETATION. PURPOSE: TO USE LONG-LIVED PERENNIAL GRASSES AND LEGUMES TO ESTABLISH PERMANENT GROUND COVER OF DISTURBED AREAS. CRITERIA: A. SEED MIXTURES 1. GENERAL USE... 2. TURFGRASS MIXTURES... 3. IDEAL TIMES OF SEEDING... B. TILL AREAS... C. SOIL AMENDMENTS...



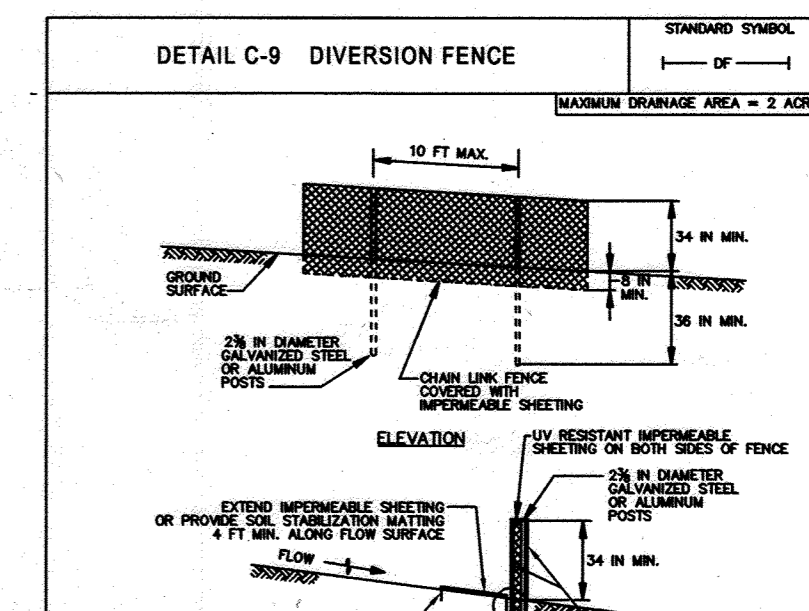
CONSTRUCTION SPECIFICATIONS: 1. PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN... 2. PREPARE SURFACE AND PLACE NONWOOL CELLULOSE... 3. PLACE CURBED ASPHALT... 4. MAINTAIN ENTRANCE IN A CONDITION THAT MINIMIZES TRACKING OF SEDIMENT...



CONSTRUCTION SPECIFICATIONS: 1. INSTALL 24 INCH DIAMETER GALVANIZED STEEL POSTS OF 1/2 INCH WALL THICKNESS AND SIX FOOT LENGTHS SPACED AT LEAST 10 FEET APART... 2. FASTEN A GAUGE OF HEAVY GALVANIZED CHAIN LINK FENCING... 3. FASTEN WOODEN 2x4 PLANKS TO THE FENCE POSTS WITH NAIL HEADS ON THE INSIDE...



CONSTRUCTION SPECIFICATIONS: 1. USE 42 HIGH RING, 9 GAUGE OR THICKER CHAIN LINK FENCING... 2. USE 24 INCH DIAMETER GALVANIZED STEEL POSTS OF 1/2 INCH WALL THICKNESS AND SIX FOOT LENGTHS SPACED AT LEAST 10 FEET APART... 3. FASTEN CHAIN LINK FENCE SECURELY TO THE FENCE POSTS WITH WIRE TIES...



CONSTRUCTION SPECIFICATIONS: 1. USE 42 HIGH RING, 9 GAUGE OR THICKER CHAIN LINK FENCING... 2. USE 24 INCH DIAMETER GALVANIZED STEEL POSTS OF 1/2 INCH WALL THICKNESS AND SIX FOOT LENGTHS SPACED AT LEAST 10 FEET APART... 3. FASTEN CHAIN LINK FENCE SECURELY TO THE FENCE POSTS WITH WIRE TIES...

Project information table with columns for project number (12-007), date (APR 2016), engineer (M/M), scale (1"=30'), and other details.

WHISKEY BOTTOM POINT, LOTS 1 THRU 6, OPEN SPACE LOTS 7-9 AND NON-BUILDABLE BULK PARCEL A, A RESUBDIVISION OF NON-BUILDABLE BULK PARCEL B-3 (PLAN#19876) AND NON-BUILDABLE BULK PARCEL A, A RESUBDIVISION OF NON-BUILDABLE BULK PARCEL B-3, BLOCK 4 TAX MAP 50, PARCEL 468, BULK PARCEL B-3, HOWARD COUNTY SIXTH ELECTION DISTRICT SEDIMENT CONTROL NOTES AND DETAILS

MILDENBERG, BOENDER & ASSOC., INC. Engineers Planners Surveyors 7850-B Crocus Drive, Columbia, Maryland 21044 (410) 997-0286

ENGINEER'S CERTIFICATE: I 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 NATURAL RESOURCE CONSERVATION SERVICE.

DEVELOPER'S CERTIFICATE: I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.

APPROVED: DEPARTMENT OF PLANNING AND ZONING. DATE: 5-20-16. CHIEF, DIVISION OF ENGINEERING.

APPROVED: DEPARTMENT OF PLANNING AND ZONING. DATE: 6-6-16. CHIEF, DIVISION OF LAND DEVELOPMENT.

STANDARD SEDIMENT CONTROL NOTES

1. A PRE-CONSTRUCTION MEETING MUST OCCUR WITH THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS... 2. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL... 3. FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION IS REQUIRED WITHIN THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERMETER CONTROLS, DITCHES, SWALEWAYS, TRENCHES, AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) AND SEVENTY-SEVEN (77) CALENDAR DAYS AS TO ALL OTHER DISTURBED AREAS ON THE PROJECT SITE EXCEPT FOR THOSE AREAS UNDER ACTIVE GRADING...

ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE CID, THE SITE AND ALL CONTROLS SHALL BE INSPECTED BY THE CONTRACTOR... 1. INSPECTION DATE... 2. NAME AND TITLE OF INSPECTOR... 3. WEATHER INFORMATION (CURRENT CONDITIONS AS WELL AS TIME AND AMOUNT OF LAST RECORDED PRECIPITATION)...

OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE... 1. INSPECTION DATE... 2. NAME AND TITLE OF INSPECTOR... 3. WEATHER INFORMATION (CURRENT CONDITIONS AS WELL AS TIME AND AMOUNT OF LAST RECORDED PRECIPITATION)...

THIS IS NO AS-BUILT INFORMATION PROVIDED ON THIS SHEET. OWNER/DEVELOPER: JENMAR HOMES, INC. 3403 OLD POST DRIVE BALTIMORE, MD. 21208

EROSION AND SEDIMENT CONTROL NOTES

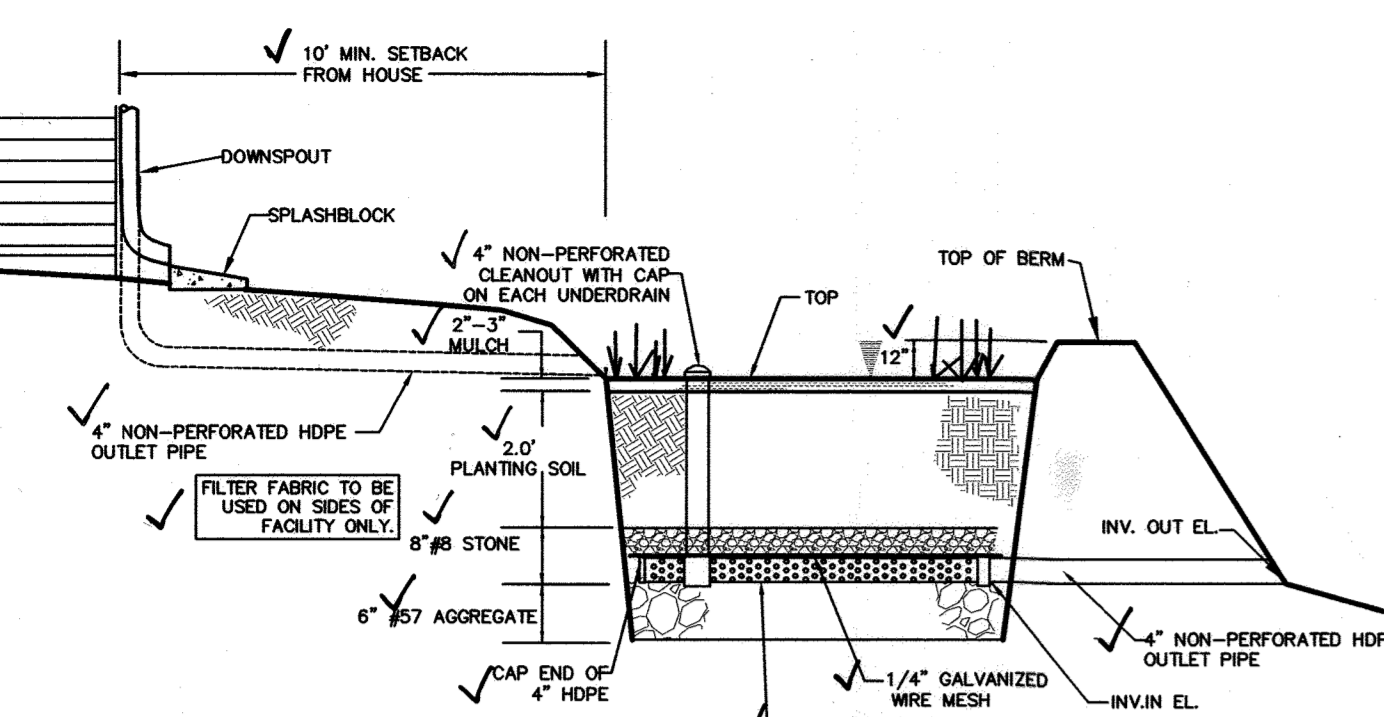
1. ALL SEDIMENT CONTROL OPERATIONS ARE TO BE DONE IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY VOLUME IV DESIGN MANUAL AND THE STANDARDS AND SPECIFICATIONS FOR SEDIMENT CONTROL IN DEVELOPING AREAS... 2. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED AS THE FIRST ORDER OF BUSINESS...

TEMPORARY SEEDING FOR SITE STABILIZATION table with columns for PLANT SPECIES, SEEDING RATE (LB/AC), SEEDING DEPTH (INCHES), RECOMMENDED SEEDING DATED BY PLANT HARDINESS ZONE (5B AND 6A, 6B, 7A AND 7B).

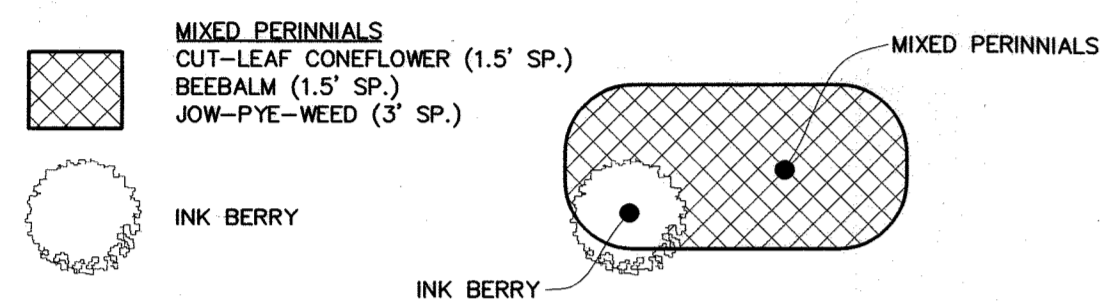
PERMANENT SEEDING SUMMARY table with columns for HARDINESS ZONE (FROM FIGURE B.3), FERTILIZER RATE (10-20-20), LIME RATE, NO., SPECIES, APPLICATION RATE (LB/AC), SEEDING DATES, SEEDING DEPTHS, N, P2O5, K2O, PER ACRE, PER ACRE (2 LB./1000 SF), 2 TONS / ACRE (90 LBS / 1000 SF).

SOILS DESCRIPTION

| SYMBOL | RATING | NAME | K FACTOR | PAGE |
|--------|--------|-----------------------------------------------------------|----------|------|
| UsB | D) | URBAN LAND-SASSAFRASS-BELTSVILLE COMPLEX, 0% TO 5% SLOPES | .37 | 24 |



TYP. MICRO-BIORETENTION (M-6) DETAIL
NOT TO SCALE



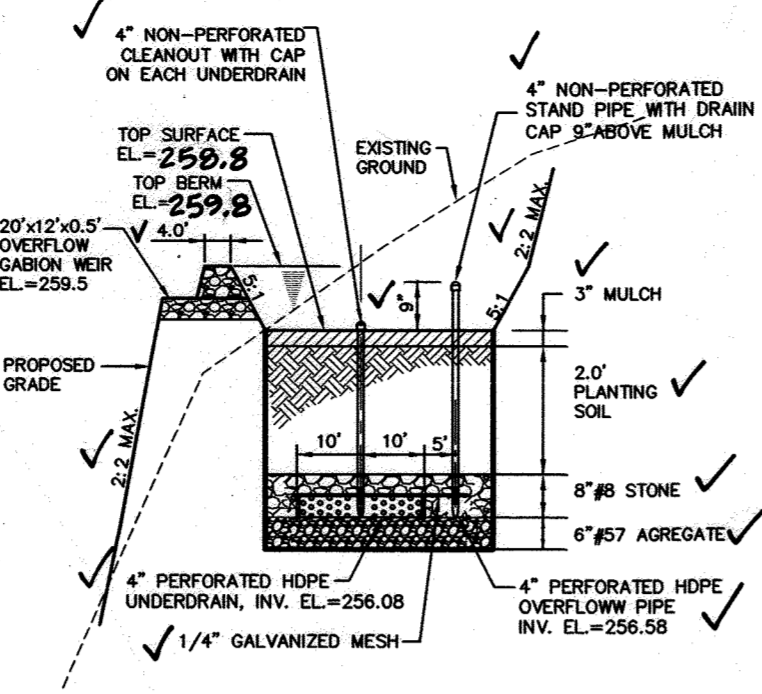
TYP. MICRO-BIORETENTION (M-6) DETAIL
SCALE: NTS

MICRO-BIORETENTION SCHEDULE

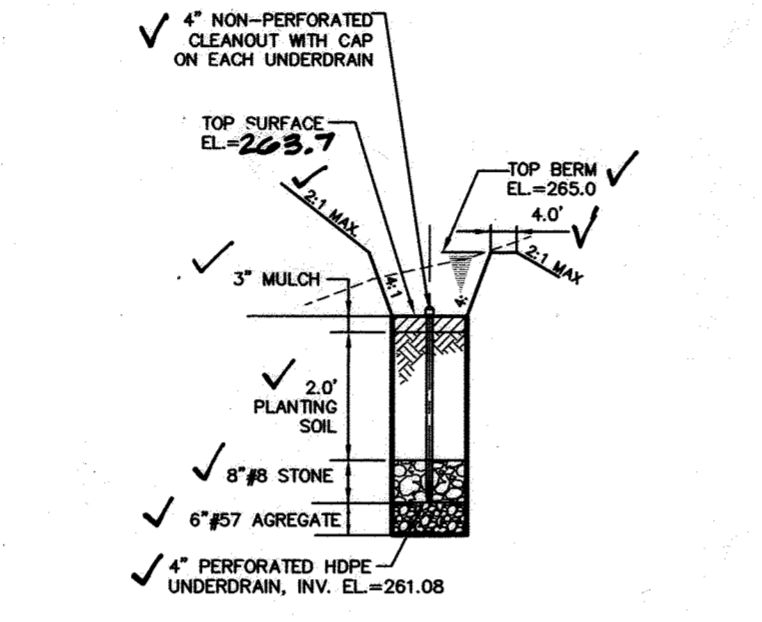
| FACILITY | TOP EL. | TOP OF BERM | INV. IN UNDERDRAIN | INV. OUT. UNDERDRAIN | AREA AT TOP EL. | AREA AT BERM EL. | INV. EL. OVERFLOW PIPE |
|----------|---------|-------------|--------------------|----------------------|-----------------|------------------|------------------------|
| MB #1 | 259.8 | 259.8 | 256.08 | 255.70 | 3,210 SF | 6,400 SF | 256.08 |
| MB #2 | 263.7 | 265.00 | 261.08 | 260.70 | 700 SF | 2,580 SF | 261.08 |

SWM SUMMARY

| FACILITY# | LOTS | REQUIRED ES&V | PROVIDED ES&V |
|-----------|---------|---------------|---------------|
| MB #1 | 1, 2 | 5,432.2 C.F. | 5,989 C.F. |
| MB #2 | 4, 5, 6 | 1,744 C.F. | 1,920 C.F. |
| TOTAL: | | 7,176.2 C.F. | 7,909 C.F. |



TYP. SECTION MICRO-BIORETENTION (M-6) #1
NOT TO SCALE



TYP. SECTION MICRO-BIORETENTION (M-6) #2
NOT TO SCALE

GEOTECHNICAL ENVIRONMENTAL TESTING CONSULTANTS, INC.
P.O. Box 2071
Columbia, MD 21045-2071
Phone: (410) 381-5330
Fax: (410) 381-1064
e-mail: mounir54@yahoo.com

April 30, 2014
Mildenberg, Boender & Associates, Inc.
6800 Deepwater Road, Suite 15
Elkridge, Maryland 21075
Attn: Mr. Jeff Sloman, P.E.
Ref: Limited Subsurface Exploration
Proposed Residential Properties
Whiskey Bottom Point
Lots 1 thru 6 and Open Space Lot 7
Savage, Howard County, Maryland
GE&T Project No. G-234

Dear Mr. Sloman,
On April 12, 2014, GE&T Consultants, Inc. utilized a hand auger to bore three (3) soil borings at the approximate locations shown on the attached sheet. The purpose of the borings was to evaluate the presence/absence of bedrock and groundwater to a depth of 6 ft below existing site grades at the locations shown. The number, location, and depth of the borings were determined by others and the borings were staked-out in the field by others.

Our field observations are summarized in Table 1 below:

| Boring No. | Depth to Groundwater (in) | Depth to Hand-auger Refusal (in) | Termination Depth (in) |
|------------|---------------------------|----------------------------------|------------------------|
| HA-1 | N/A | N/A | 75.0 |
| HA-2 | N/A | N/A | 73.0 |
| HA-3 | N/A | N/A | 77.0 |

Note: All depths are below existing ground surface.
It should be noted that the actual level of groundwater and the amount and level of perched water should be anticipated to fluctuate through the year, depending on variations in precipitation, surface run-off, infiltration, site topography, drainage, and other factors not evident at the time of our exploration. GE&T can not be responsible for changes in groundwater conditions at the site due to seasonal variations and changes caused by other factors such as grading operations at the site.

GE&T appreciates the opportunity to provide this geotechnical engineering service to you. Should you have any questions regarding this letter report, or require additional services, please feel free to contact our office.

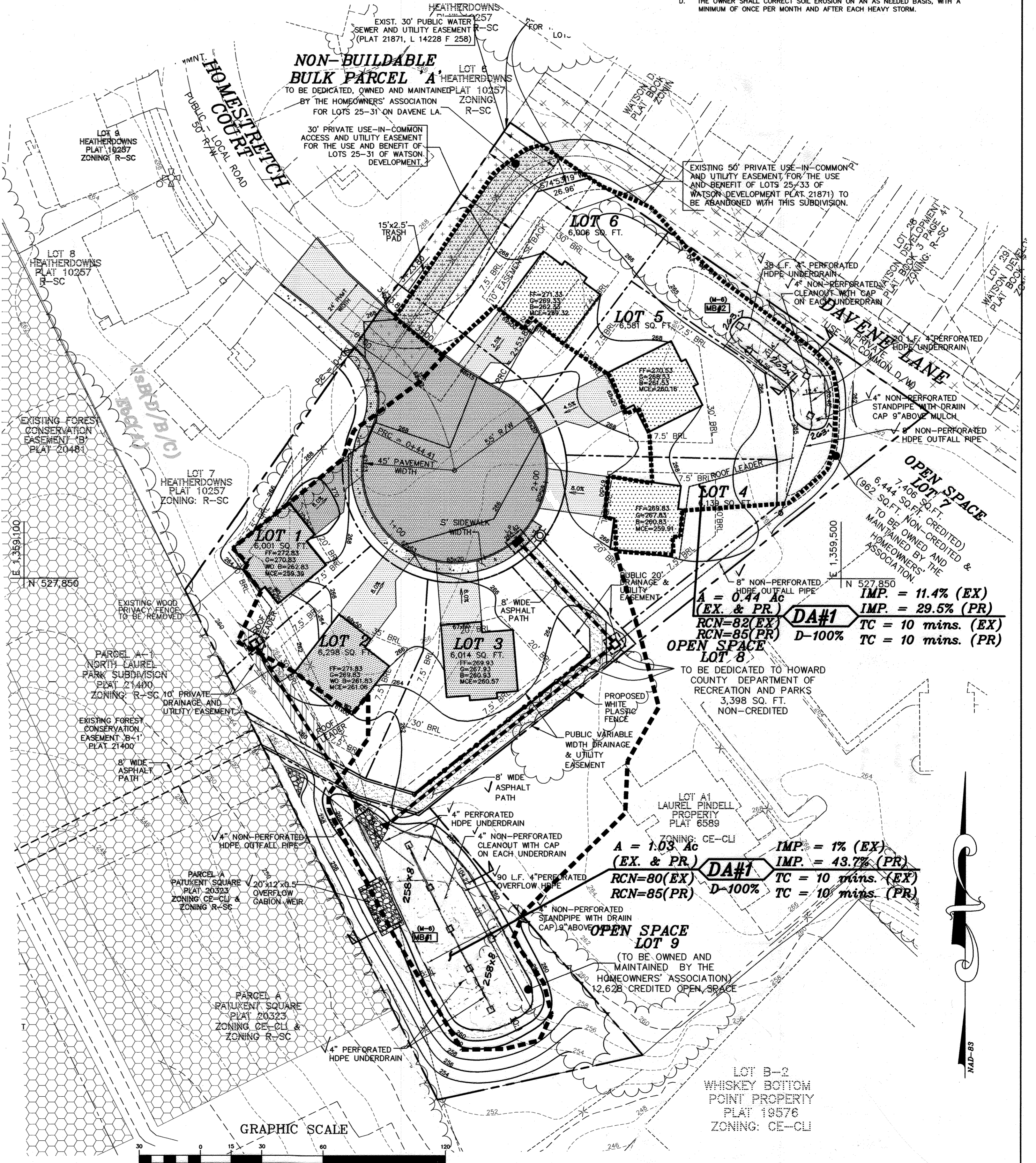
Sincerely,
GE&T Consultants, Inc.
Mounir Abouzakhm, PE

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. 17942, EXP DATE 9/3/16.
R. JACOB HIKMAT, P.E. DATE: 4/14/16

I hereby certify that the facility shown on this plan was constructed as shown on the 'As-Built' plans and meets with the approved plans and specifications.

OPERATION AND MAINTENANCE SCHEDULE FOR MICRO-BIORETENTION (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 INSPECTION IN THE SPRING AND IN THE FALL OF 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.



OWNER
JENMAR HOMES AT WHISKEY BOTTOM, LLC
3403 OLD POST DRIVE
BALTIMORE, MD. 21208

DEVELOPER
JENMAR HOMES, INC.
3403 OLD POST DRIVE
BALTIMORE, MD. 21208

ENGINEER'S CERTIFICATE
I 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 NATURAL RESOURCE CONSERVATION SERVICE.
R. JACOB HIKMAT, P.E. DATE: 4/14/16

DEVELOPER'S CERTIFICATE
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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. HOWARD SOIL CONSERVATION DISTRICT IS AUTHORIZED TO CONDUCT PERIODIC ON-SITE INSPECTION.
SAAB CHEILER DATE: 4/15/16

APPROVED: DEPARTMENT OF PUBLIC WORKS
CHIEF, BUREAU OF HIGHWAYS DATE: 6/3/2016

APPROVED: DEPARTMENT OF PLANNING AND ZONING
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE: 5-20-16
CHIEF, DIVISION OF LAND DEVELOPMENT DATE: 6-6-16

| | | | | |
|---------|-----------|--------------|-----|-----|
| date | APR. 2016 | approval | JMS | MMM |
| project | 12-007 | illustration | JLS | |
| scale | 1"=30' | | | |

| | | | |
|------|---------|-------------|---------------------|
| date | 4/28/16 | description | AS-BUILT DATA ADDED |
| no. | 1 | revisions | |

WHISKEY BOTTOM POINT, LOTS 1 THRU 6, OPEN SPACE LOTS 7-9
AND NON-BUILDABLE BULK PARCEL A, A RESUBDIVISION OF NON-BUILDABLE BULK PARCEL B-3 (PLAT#19576)
TAX MAP 50, PARCEL 488, BULK PARCEL B-3, BLOCK 4
SIXTH ELECTION DISTRICT HOWARD COUNTY
STORMWATER MANAGEMENT PLAN

MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
7850-B Grace Drive, Columbia, Maryland 21044
(410) 997-0286 Fax: (410) 997-0286 Fax

NET TRACT AREA:
A. Total tract area = 2.88
(1.16 Ac FROM RESIDENTIAL PORTION OF WATSON DEVELOPMENT)
B. Area within 100 year floodplain = 0.00
C. Area to remain in agricultural production = 0.00
D. Net tract area = 2.88

LAND USE CATEGORY:
(from table 3.2.1, page 40, Manual) Input the number "1" under the appropriate land use zoning, and limit to only one entry.

ARA MDR IDA HDR MPD CIA
0 0 0 1 0 0
E. Afforestation Threshold = 15% x D = 0.43
F. Conservation Threshold = 20% x D = 0.58

EXISTING FOREST COVER:
G. Existing forest cover (excluding floodplain) = 0.00
H. Area of forest above afforestation threshold = 0.00
I. Area of forest above conservation threshold = 0.00

BREAK EVEN POINT:
J. Forest retention above threshold with no mitigation = 0.00
K. Clearing permitted without mitigation = 0.00

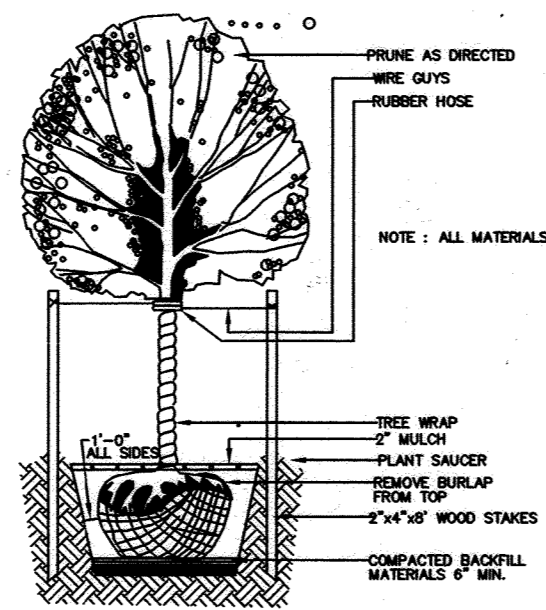
PROPOSED FOREST CLEARING:
L. Total area of forest to be cleared = 0.00
M. Total area of forest to be retained = 0.00

PLANTING REQUIREMENTS:
N. Reforestation for clearing above conservation threshold = 0.00
O. Reforestation for clearing below conservation threshold = 0.00
P. Credit for retention above conservation threshold = 0.00
R. Total reforestation required = 0.00
S. Total afforestation required = 0.43
T. Total reforestation and afforestation required = 0.43

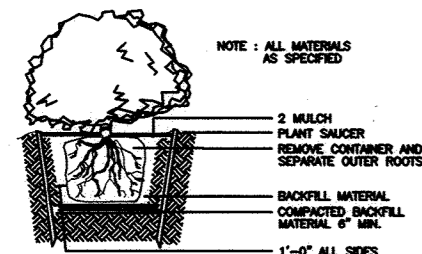
NOTE:
FOREST CONSERVATION OBLIGATIONS IN ACCORDANCE WITH SECTION 16.1200 OF THE HOWARD COUNTY CODE AND FOREST CONSERVATION ACT FOR THIS SUBDIVISION WILL BE FULFILLED BY PAYMENT OF FEE-IN-LIEU IN THE AMOUNT OF \$14,048.10 FOR 0.43 ACRES OF REFORESTATION.

LANDSCAPE NOTES

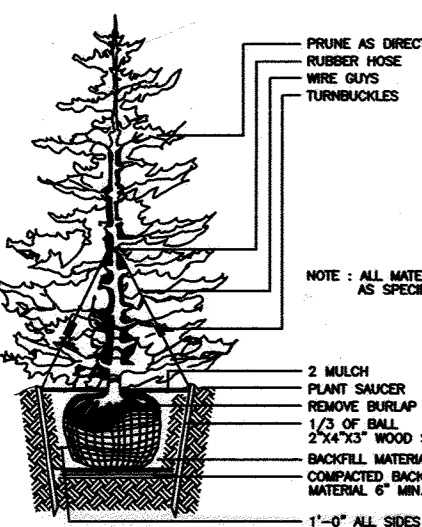
- NO CLEARING OF EXISTING VEGETATION IS PERMITTED WITHIN THE LANDSCAPE EDGE FOR WHICH CREDIT IS BEING TAKEN; HOWEVER, LANDSCAPE MAINTENANCE IS AUTHORIZED.
- THE OWNER, TENANT AND / OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING, PLANT MATERIALS, BERMS, FENCES, AND WALLS. 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 REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION, AND WHEN NECESSARY, REPAIRED OR REPLACED.
- AT THE TIME OF INSTALLMENT, ALL SHRUBS AND OTHER PLANTINGS HEREWITH LISTED AND APPROVED FOR THIS SITE SHALL BE OF THE PROPER HEIGHT REQUIREMENTS IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPE MANUAL. IN ADDITION, NO SUBSTITUTIONS OR RELOCATION OF REQUIRED PLANTINGS MAY BE MADE WITHOUT PRIOR REVIEW AND APPROVAL FROM THE DEPARTMENT OF PLANNING AND ZONING. ANY DEVIATION FROM THIS 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 APPLICABLE PLANS AND CERTIFICATES.
- SHOULD ANY TREE DESIGNATED FOR PRESERVATION, FOR WHICH CREDIT IS GIVEN, BE REMOVED OR DIE PRIOR TO RELEASE OF BONDS, THE OWNER WILL BE REQUIRED TO REPLACE THE TREE WITH THE EQUIVALENT SPECIES OR WITH A TREE WHICH WILL OBTAIN THE SAME HEIGHT, SPREAD AND GROWTH CHARACTERISTICS. THE REPLACEMENT TREE MUST BE A MINIMUM OF 3 INCHES IN CALIPER AND INSTALLED AS REQUIRED IN THE LANDSCAPE MANUAL.
- LANDSCAPING FOR LOTS 1 THRU 6 IS PROVIDED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. A LANDSCAPE SURETY FOR THE REQUIRED LANDSCAPING IN THE AMOUNT OF \$7,800.00 (21 SHADE TREES, 2 EVERGREEN TREES AND 4 ORNAMENTAL TREES) WILL BE POSTED AT THE SITE DEVELOPMENT STAGE.



DECIDUOUS TREE PLANTING DETAIL
NOT TO SCALE



TYPICAL SHRUB PLANTING DETAIL
NOT TO SCALE



TYPICAL EVERGREEN TREE PLANTING DETAIL
NOT TO SCALE

STREET TREE CALCULATIONS

| STREET NAME | PERIMETER LENGTH | PLANTING REQUIREMENT | TREES REQUIRED | TREES PROVIDED |
|-------------|------------------|----------------------|----------------|----------------|
| HOMESTRETCH | 341 L.F. | 1 TREE / 40 L.F. | 9 | 9 |

STREET TREE PLANTING SCHEDULE

| QUANTITY | SYMBOL | BOTANICAL NAME | COMMON NAME | SIZE |
|--------------------------------|--------|------------------|----------------|------------------|
| 9 | ○ | PRUNUS SARGENTII | SARGENT CHERRY | 2 1/2" - 3" CAL. |
| TOTAL 9 STREET TREES | | | | |

PERIMETER TREE PLANTING SCHEDULE

| QUANTITY | SYMBOL | BOTANICAL NAME | COMMON NAME | SIZE |
|-------------------------------------------------------------------------------|--------|------------------------------------|----------------|------------------|
| 21 | ○ | ACER RUBRUM 'RED SUNSET' (SHADE) | RED MAPLE | 2 1/2" - 3" CAL. |
| 4 | ○ | CIRCIS CANADENSIS (SUBSTITUTION) | EASTERN REDBUD | 2 1/2" - 3" CAL. |
| 2 | ☼ | ILEX OPACA (10) (EVERGREEN) | AMERICAN HOLLY | 5' - 6' HT. |
| 20 | ⊖ | TAXUS MEDIA 'HICKSI' (TM) (SHRUBS) | HICKS YEW | 2 1/2" - 3" HT. |
| TOTAL 21 SHADE TREES, 4 SUBSTITUTION TREES, 2 EVERGREENS, 20 SHRUBS | | | | |

DEVELOPER'S/OWNER'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.

James Hicks
OWNER

THERE IS NO AS-BUILT INFORMATION PROVIDED ON THIS SHEET

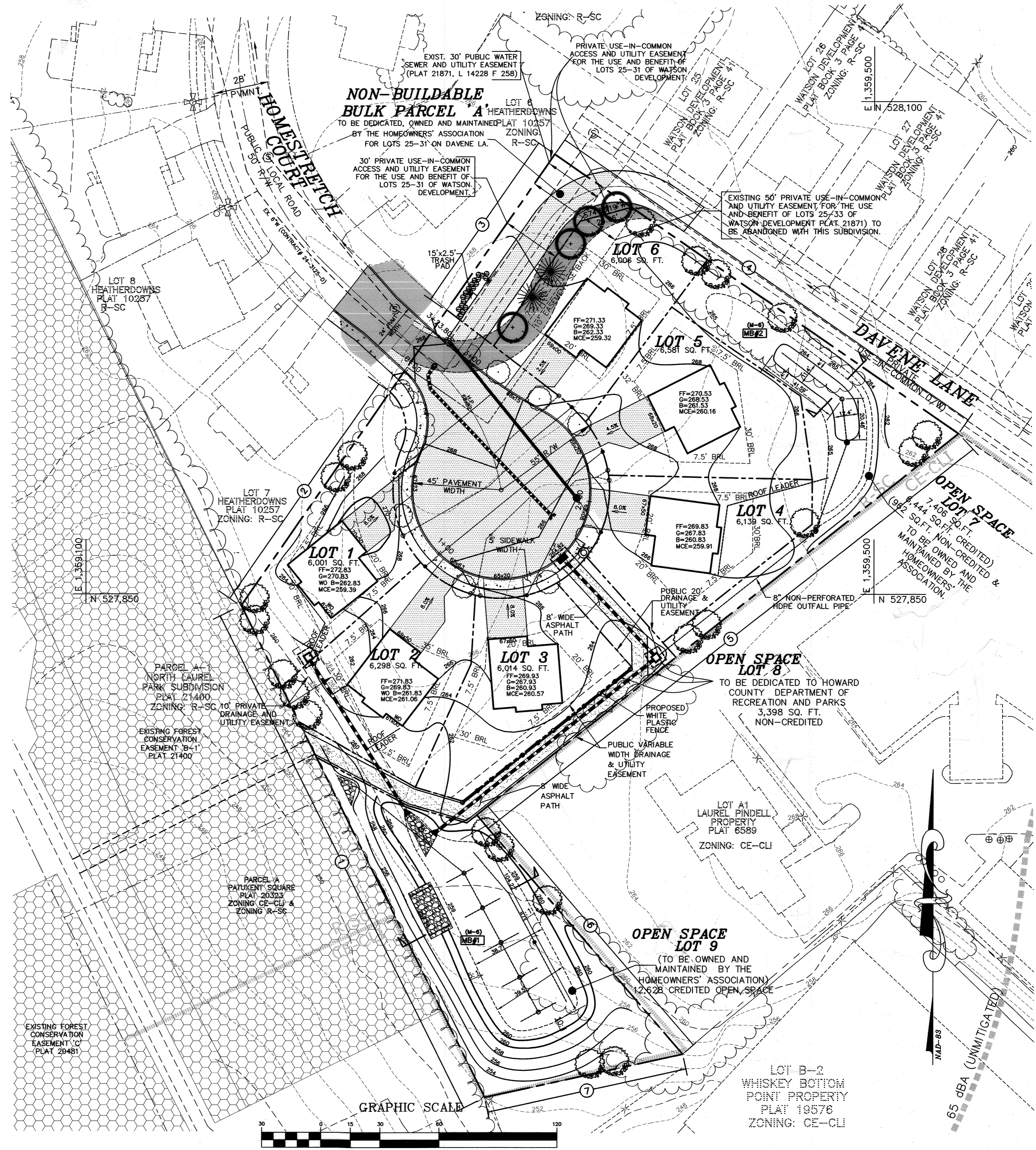
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 17942, EXP DATE 09/03/16

R. Jacob Hikmat P.E.
DATE: 4/14/16

SCHEDULE A: PERIMETER LANDSCAPED EDGE

(IN FEET)
1 inch = 30 ft.

| CATEGORY | ADJACENT TO PERIMETER PROPERTIES | | | | | | | | TOTAL |
|--------------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|--------------------------------------------------------------------------------|
| | A (PERIMETER 1) | A (PERIMETER 2) | B, PER WP-10-158 (PERIMETER 3) | A (PERIMETER 4) | A (PERIMETER 5) | A (PERIMETER 6) | A (PERIMETER 7) | C (TRASH PAD) | |
| LANDSCAPE TYPE | 278.6 LF | 132.5 LF | 96.5 LF | 249.3 LF | 312.3 LF | 160.0 LF | 102.9 LF | 20 LF | |
| CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) | NO | NO | NO | NO | NO | NO | NO | NO | |
| CREDIT FOR WALL, FENCE, OR BERM (YES, NO, LINEAR FEET) | NO | NO | NO | NO | NO | NO | NO | NO | |
| NUMBER OF PLANTS REQUIRED | 5 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS | 2 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS | 2 SHADE TREES 2 EVERGREEN TREES 0 SHRUBS | 4 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS | 5 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS | 3 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS | 2 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS | 1 SHADE TREE 1 EVERGREEN TREE 0 SHRUBS | 24 SHADE TREES 3 EVERGREEN TREES 0 SHRUBS |
| NUMBER OF PLANTS PROVIDED | 5 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS | 2 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS | 0 SHADE TREES 2 EVERGREEN TREES 4 SUBSTITUTION TREES (2:1) 0 SHRUBS | 4 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS | 5 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS | 3 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS | 2 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS | 0 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS | 21 SHADE TREES 2 EVERGREEN TREES 4 SUBSTITUTION TREES (2:1) 20 SHRUBS |



Masha Pring 4/13/16
MASHID TRINGA, DNR QUALIFIED PROFESSIONAL

OWNER
JENMAR HOMES AT WHISKEY BOTTOM, LLC
3403 OLD POST DRIVE
BALTIMORE, MD. 21208

DEVELOPER
JENMAR HOMES, INC.
3403 OLD POST DRIVE
BALTIMORE, MD. 21208

APPROVED: DEPARTMENT OF PUBLIC WORKS
M. M... 6/3/2016
CHIEF BUREAU OF HIGHWAYS

APPROVED: DEPARTMENT OF PLANNING AND ZONING
R. J. ... 6/1/16
CHIEF, DIVISION OF LAND DEVELOPMENT

Chad E... 5.20.16
CHIEF, DEVELOPMENT ENGINEERING DIVISION



| | |
|--------------|-----------|
| date | APR. 2016 |
| project | 12-007 |
| illustration | MMT |
| scale | 1"=30' |
| approval | JLS |
| | MMM |

| | |
|-------------|--|
| date | |
| description | |
| revisions | |

WHISKEY BOTTOM POINT, LOTS 1 THRU 6, OPEN SPACE LOTS 7-9
LOTS 1 THRU 6, OPEN SPACE LOT 7, AND NON-BUILDABLE BULK PARCEL 'A'
TAX MAP 50, PARCEL 488, BULK PARCEL B-3, BLOCK 4
SIXTH ELECTION DISTRICT
HOWARD COUNTY
LANDSCAPE AND FOREST CONSERVATION PLAN AND DETAILS

MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
7350-B Cruse Drive, Columbia, Maryland 21044
(410) 997-0286 Fax