

**COMPLETE THIS FORM WHEN DROPPING OFF ANY  
CORRESPONDENCE AND/OR PLANS TO THE HOWARD COUNTY  
DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS COUNTER:**

Date: 5-18-2017

To: DILP HEALTH DEPT  
(Person's Name and Division)

From: GREEN LEAF BUILDERS LLC (410) 977-1328 STEPHEN FORNEY  
(Your Name, Company Name and Telephone Number)

Subject: Project name SINGH RESIDENCE

Project site address 11859 LINE KIRK RD FULTON, MD 20759

Permit # B17000726 SDP # \_\_\_\_\_

Other information pertinent to this project \_\_\_\_\_

Please check the attachments below that you are submitting with this transmittal:

- Letter of response to address plan review comment letter
- Revised plans and/or revised details: When submitting for a complete re-review, **duplicate sets shall be submitted.**
- Letter Summarizing Changes
- Energy conservation calculations
- 2 Copies of \_\_\_\_\_ (be specific). Remove Retaining Wall @ Drive + TURNAWAY
- Health Department Request  DPZ/ DED Request  Applicant's Request
- Two sets of single family dwelling model plans to be placed on permanent file: Model name and/or # \_\_\_\_\_
- Other \_\_\_\_\_

**Contact Person Information: (Required)**

STEPHEN F. FORNEY  
Please Print Name

Telephone No: 410-977-1328

E-Mail Address: hfbuilder@comcast.net

**PLEASE ASSURE ALL DOCUMENTS AND/OR REVISIONS ARE APPROPRIATELY SIGNED AND SEALED, IF NECESSARY, BY A LICENSED ARCHITECT OR ENGINEER. PLEASE BE ADVISED THAT INSUFFICIENT INFORMATION MAY RESULT IN THE DELAY OF REVIEW BY THE PLANS EXAMINER. THE DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS WILL CONTACT YOU IF THERE IS A PROBLEM. IN ADDITION, ONCE THE BUILDING PERMIT IS APPROVED BY THE PLAN REVIEW DIVISION AND ALL OTHER REQUIRED SIGNATORY AGENCIES, AND THE BUILDING PERMIT IS READY FOR ISSUANCE, THE PERMIT DIVISION WILL NOTIFY THE APPROPRIATE CONTACT PERSON FOR PERMIT PICK UP. ALL PERMIT STATUS INQUIRIES SHALL BE DIRECTED TO THE PERMIT DIVISION AT 410-313-2455. CODE RELATED QUESTIONS AND PLAN REVIEW INQUIRIES SHALL BE DIRECTED TO THE PLAN REVIEW DIVISION AT 410-313-2436. PLEASE ALLOW A MINIMUM OF FIVE (5) WORKING DAYS FOR ANY PLAN SUBMITTALS TO BE REVIEWED. THANK YOU.**

Received by [Signature]

cc: Health  
DPZ  
DED

DILP 2017 MAY 18 PM 12:21

11859 Lime Kiln Rd.

Building - 2017 Plot  
1/2<sup>1/2</sup> Plan revisions

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Two Plot Plan revisions  
for scanning.

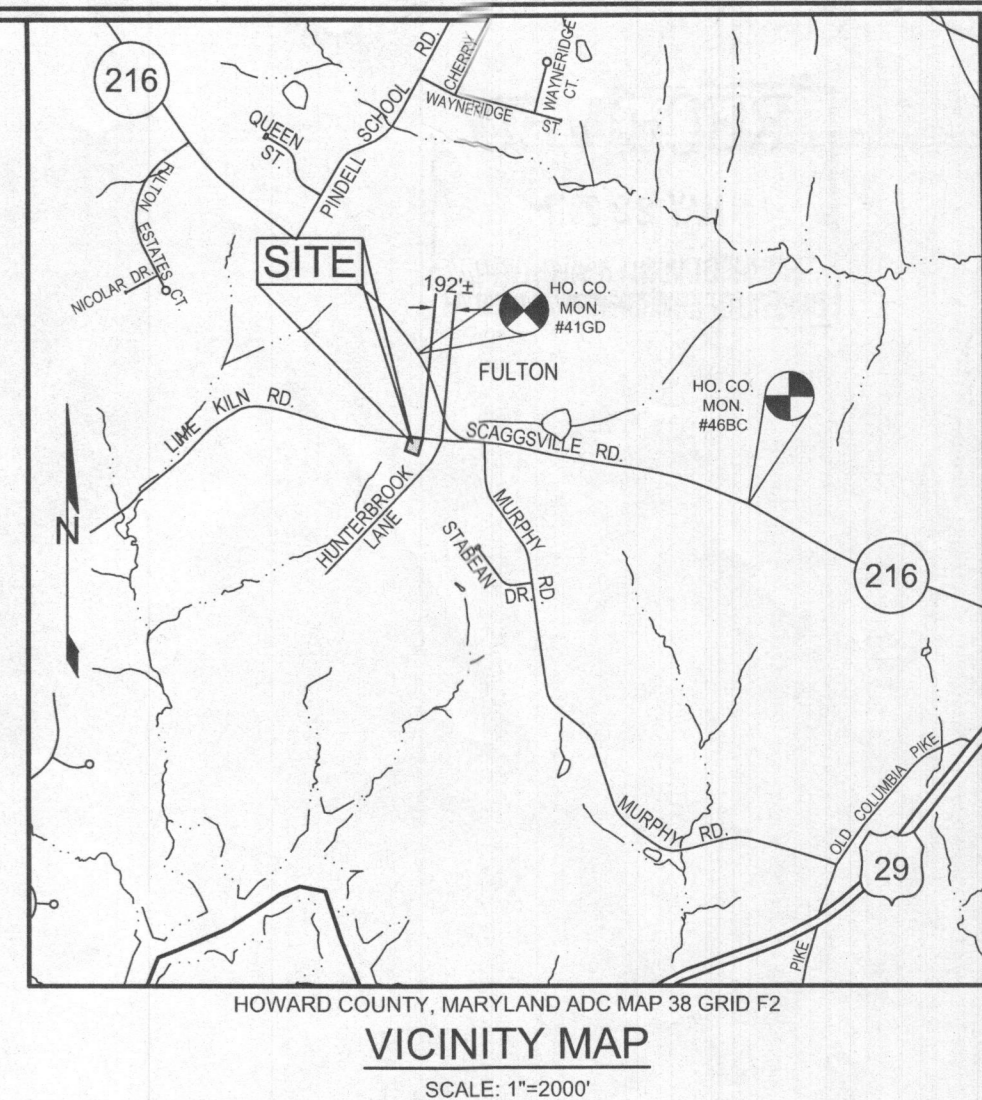
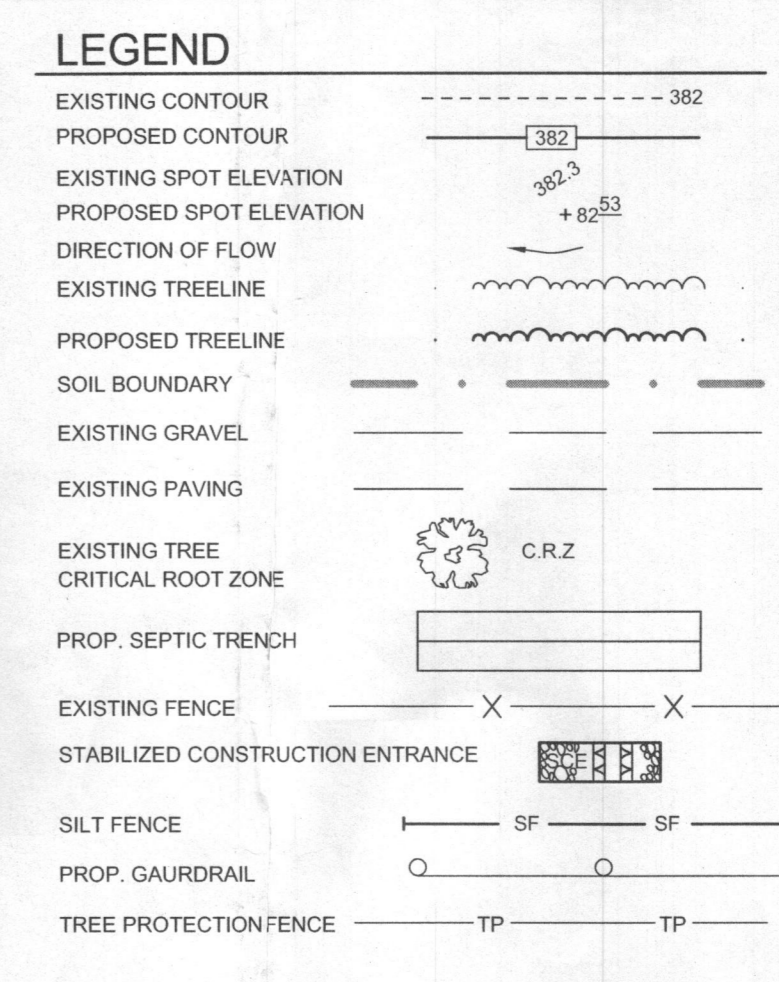
Robert

SOILS LEGEND			
SYMBOL	NAME / DESCRIPTION	GROUP	'K' FACTOR
GgA	GLENELG LOAM, 0 TO 3 PERCENT SLOPES	B	0.28
GgB	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	C	0.28

NOTES:  
 1) SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, WEB SOIL SURVEY.  
 2) HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SOIL ERODIBILITY FACTOR 'K' GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT.

SITE ANALYSIS DATA SHEET	
ENVIRONMENTAL AREA	SIZE OR USE
TOTAL PROJECT AREA	0.9000 ACRES ±
LIMIT OF DISTURBANCE	0.3022 ACRES ±
GREEN OPEN AREA (LAWN)	0.2144 ACRES ±
IMPERVIOUS AREA	0.0878 ACRES ±
PROPOSED SITE USES	RESIDENTIAL
WETLANDS (1)	0.50 FT±
WETLAND BUFFERS	0.50 FT±
FLOODPLAINS	0.50 FT±
FLOODPLAIN BUFFERS	0.50 FT±
EXISTING FOREST	0.50 FT±
SLOPES GREATER THAN 15% (3)	0.50 FT±
HIGHLY ERODIBLE SOILS	0 ACRES±

NOTES:  
 1. SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, WEB SOIL SURVEY.  
 2. HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SOIL ERODIBILITY FACTOR 'K' GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT.



**OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED DISCONNECTION OF ROOFTOP RUNOFF (N-1) DISCONNECTION OF NON-ROOFTOP RUNOFF (N-2)**

- MAINTENANCE OF AREAS RECEIVING DISCONNECTED RUNOFF IS GENERALLY NO DIFFERENT THAN THAT REQUIRED FOR OTHER LAWN OR LANDSCAPED AREAS. THE OWNER SHALL ENSURE THE AREAS RECEIVING RUNOFF ARE PROTECTED FROM FUTURE COMPACTION OR DEVELOPMENT OF IMPERVIOUS AREA. IN COMMERCIAL AREAS, FOOT TRAFFIC SHOULD BE DISCOURAGED AS WELL.

**OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED BIORETENTION FACILITIES (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 I, 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 OR 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.

**GENERAL NOTES**

- SUBJECT PROPERTY ZONED RR-DEO PER 10/06/13 COMPREHENSIVE ZONING PLAN.
- TOTAL AREA OF PROPERTY, PARCEL 183 = 21,780 SF OR ±0.50 AC ±
- THIS PROPERTY IS ADJACENT TO THE FULTON COMMUNITY.
- PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
- THE BOUNDARY SHOWN HEREON IS BASED ON A FIELD RUN SURVEY PERFORMED BY SHANABERGER & LANE IN AUGUST, 2016.
- THE TOPOGRAPHY SHOWN HEREON IS BASED ON A FIELD RUN TOPOGRAPHY SURVEY PREPARED BY SHANABERGER & LANE IN AUGUST, 2016.
- NO WETLANDS, STREAMS, OR 100 YEAR FLOODPLAIN ARE PRESENT ON THE SITE.
- PROPERTY ADDRESS: 11859 LIME KILN ROAD, FULTON, MD 20759.
- THIS SITE IS SUBJECT TO THE HO CO B O A CASE BA-16-032V, TO REDUCE THE FRONT SETBACK FROM 75' TO 23.3' AND WAS APPROVED ON JANUARY 10, 2017.
- THE EXISTING CENTERLINE SHOWN ON THIS DRAWING IS TAKEN FROM THE ACTUAL PAVING EDGE, AS IT EXISTED, AS SHOWN ON THE DATE OF THE SURVEY OF THE SUBJECT PROPERTY.
- PARKING: EXISTING PROVIDED: 2 SPACES; PROPOSED: 2 SPACES WITHIN GARAGE.
- FLOOR AREA = 2,972 SQ. FT.; TOTAL; LOWER LEVEL = 1,423 SQ. FT.; UPPER LEVEL = 1,549 SQ. FT.
- BUILDING HEIGHT = 33 FT. ±
- LIMIT OF DISTURBANCE = 13,166 SF
- THIS DEVELOPMENT IS CONDITIONALLY EXEMPT FROM THE REQUIREMENTS OF SECTION 18.1200 OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION PER SECTION 18.1202(b)(1)(i) BECAUSE THE PROPERTY IS LESS THAN 40,000 SQUARE FEET IN SIZE AND NO FOREST EXISTS ON SITE.
- APPROVAL OF THIS SIMPLIFIED EOP PLAN DOES NOT CONSTITUTE ANY APPROVAL OF SUBSEQUENT SUBDIVISION PLANS, SITE DEVELOPMENT PLANS OR RED-LINE REVISIONS TO APPROVED SDP PLANS, FOREST CONSERVATION PLANS AND GRADING OR BUILDING PERMITS. THE APPLICANT AND CONSULTANT SHOULD EXPECT ADDITIONAL AND MORE DETAILED COMMENTS THAT MAY ALTER THE SITE DESIGN, HOUSE OR STRUCTURE LOCATION, DRIVEWAY LOCATION, GRADING, TREE CLEARING AND/OR OTHER REQUIREMENTS AS THE DEVELOPMENT PLAN PROGRESSES THROUGH THE PLAN REVIEW AND/OR PERMIT APPLICATION PROCESS IN ACCORDANCE WITH THE SUBDIVISION LAND DEVELOPMENT AND ZONING REGULATIONS AND THE FOREST CONSERVATION REQUIREMENTS.

**STORMWATER MANAGEMENT NOTES & DESIGN NARRATIVE**

BELOW IS A LIST TO DESCRIBE THE STORMWATER MANAGEMENT REQUIREMENTS AND ACHIEVEMENTS FOR THE SITE PER THE 2000 MARYLAND STORMWATER DESIGN MANUAL, VOLUMES I AND II, AS AMENDED BY THE STORMWATER MANAGEMENT ACT OF 2007.

- ENVIRONMENTALLY SENSITIVE AREAS (STREAMS AND STEEP SLOPES) DO NOT EXIST ON-SITE IN THE AREA OF DEVELOPMENT. THE LOT IS NOT BEING MASS GRADED AND THE ONLY TREES BEING REMOVED ARE THE ONES NECESSARY FOR THE GRADING SHOWN.
- WE HAVE MAINTAINED TO THE GREATEST EXTENT PRACTICABLE THE NATURAL FLOW PATTERNS OF THE SITE BY DIRECTING STORMWATER RUNOFF TO THE STORMWATER MANAGEMENT FACILITY WITHIN THE NATURAL DRAINAGE DIVIDES.
- WE HAVE REDUCED IMPERVIOUS AREAS BY UTILIZING THE SMALLEST DRIVEWAY WIDTH ALLOWED AND BY UTILIZING PERVIOUS AREAS FOR TREATMENT AND BY POSITIONING THE BUILDING AS CLOSE TO THE STREET AS THE BRL WILL ALLOW.
- EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN SHOWN AND HAVE BEEN INTEGRATED INTO THE DESIGN.
- A MICRO-BIORETENTION FACILITY (M-6) AND DISCONNECTION OF NON-ROOFTOP RUNOFF (N-2) HAVE BEEN UTILIZED FOR STORMWATER MANAGEMENT PRACTICES, AND HAVE PROVIDED ENVIRONMENTAL SITE DESIGN TO MAXIMUM EXTENT PRACTICABLE.
- NO DESIGN MANUAL OR WAIVER PETITION REQUESTS HAVE BEEN MADE.

STORMWATER MANAGEMENT PRACTICES			
PARCEL #	ADDRESS	NON-ROOFTOP DISCONNECT N-2 (Y/N)	MICRO-BIO M-6 (NUMBER)
183	11859 LIME KILN ROAD	Y	1

**SHEET INDEX**

SHEET NO.	DESCRIPTION
1	STORMWATER MANAGEMENT PLAN
2	SIMPLIFIED FOREST STAND DELINEATION AND STORMWATER MANAGEMENT NOTES AND DETAILS

**OWNER**

SURJIT SINGH & KAMALJIT KAUR  
 2634 RAFTOR DRIVE  
 ODENTON, MD 21113  
 (410) 977-1325

**DEVELOPER**

GREEN LEAF BUILDERS  
 STEVE FORNEY  
 1601 JACKSON STREET  
 BALTIMORE, MD 21230  
 (443) 250-5483

**PLOT PLAN**

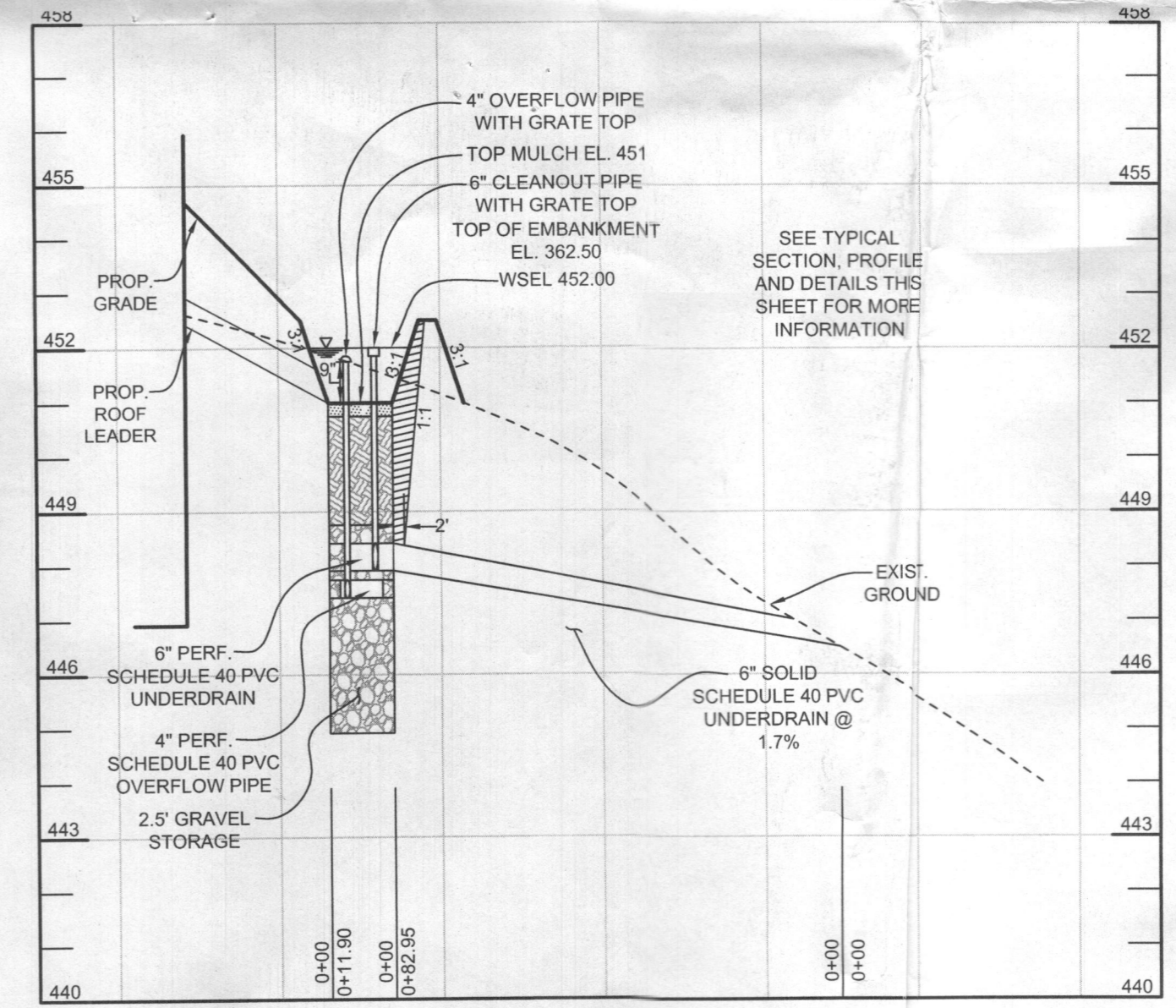
**SINGH PROPERTY**

11859 LIME KILN ROAD

TAX MAP 46 GRID 1 PARCEL 183  
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**SILL ENGINEERING GROUP, LLC**  
 11130 Dovedale Court, Suite 200  
 Marriottsville, Maryland 21104  
 Phone: 443.325.5076  
 Fax: 410.696.2022  
 Email: info@sillengineering.com  
 Civil Engineering for Land Development

DESIGN BY: PS  
 DRAWN BY: RA  
 CHECKED BY: PS  
 SCALE: AS SHOWN  
 DATE: MAY 15, 2017  
 PROJECT #: 16-050  
 SHEET #: 1 of 2



**MICRO-BIORETENTION PROFILE**

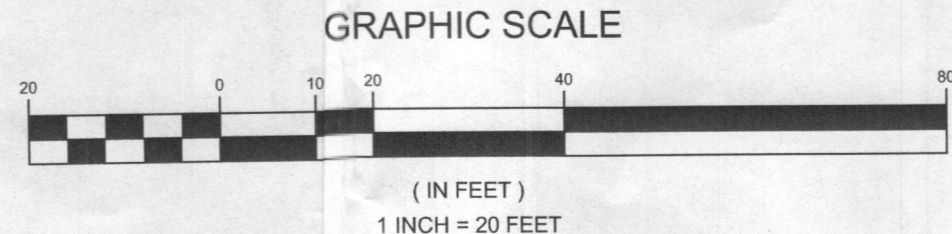
HORIZONTAL SCALE: 1" = 30'  
 VERTICAL SCALE: 1" = 3'

**BIORETENTION ELEVATIONS AND DIMENSIONS**

DESCRIPTION	BID
'A' PONDING DEPTH	1.00'
'B' WSEL	452.00'
'C' TOP OF MULCH	451.00'
'D' FACILITY LENGTH	20.00'
'E' FACILITY WIDTH	22.50'
'F' PERF. UNDERDRAIN DIMENSION	20.00'
'G' UNDERDRAIN INVERT	447.92'
'H' SOLID UNDERDRAIN DIMENSION	82.95'
'I' OUTFALL INVERT	448.50'
'J' OVERFLOW PIPE	447.41'

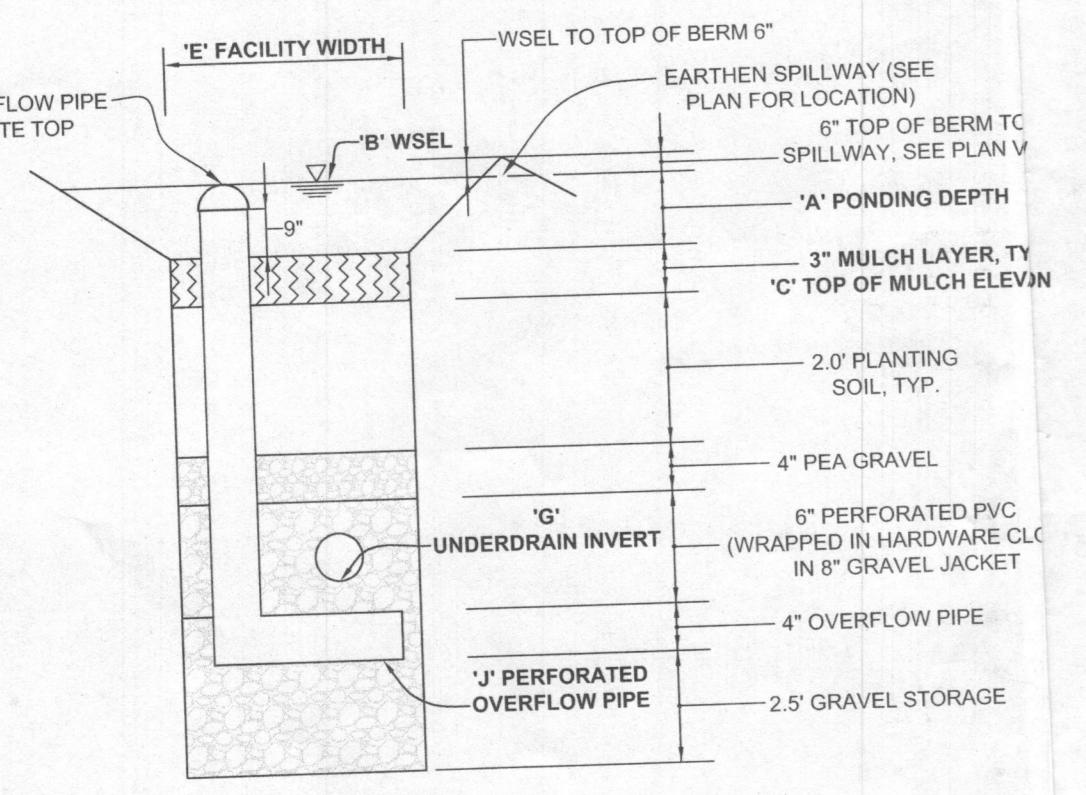
**PLAN VIEW**

SCALE: 1"=20'



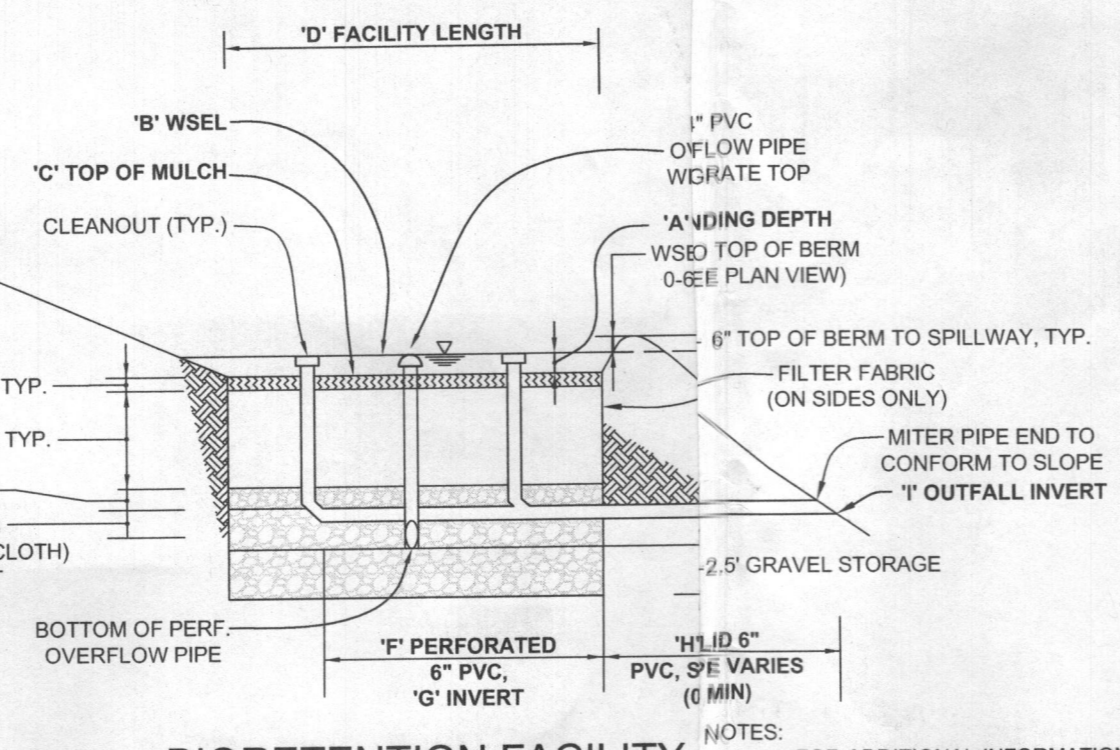
**GRAPHIC SCALE**

(IN FEET)  
 1 INCH = 20 FEET



**BIORETENTION FACILITY TYPICAL SECTION**

NOT TO SCALE



**BIORETENTION FACILITY TYPICAL PROFILE**

NOT TO SCALE

NOTES:  
 \*FOR ADDITIONAL INFORMATION, SEE THE 2000 MARYLAND STORMWATER DESIGN MANUAL, VOLUMES I AND II.  
 \*SEE CHART, THIS SHEET, FOR ELEVATIONS AND DISTANCES

REVISED  
 Date: 5/18/17  
 Comments: B1700074  
 Removed Retaining wall @ D/W + turnaround (paving) per Health Dept.