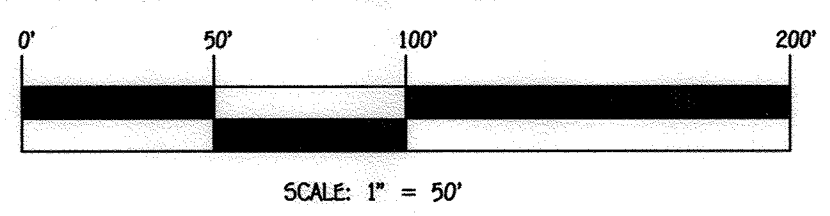


| LEGEND       |  |
|--------------|--|
| SYMBOL       | DESCRIPTION                                    |
| --- (dashed) | EXISTING CONTOUR 2' INTERVAL                   |
| --- (dotted) | EXISTING CONTOUR 10' INTERVAL                  |
| --- (solid)  | PROPOSED CONTOUR 10' INTERVAL                  |
| --- (dashed) | PROPOSED CONTOUR 2' INTERVAL                   |
| x 448.5      | SPOT ELEVATION                                 |
| --- (dashed) | EXISTING STORM DRAIN                           |
| --- (solid)  | PROPOSED STORM DRAIN PIPE                      |
| --- (solid)  | EXISTING WATER LINE                            |
| --- (dashed) | EXISTING SEWER LINE                            |
| --- (solid)  | PROPOSED SEWER                                 |
| --- (solid)  | PROPOSED WATER                                 |
| --- (dashed) | EXISTING CABLE LINE                            |
| --- (dashed) | EXISTING GAS LINE                              |
| --- (dashed) | EXISTING OVERHEAD WIRE                         |
| --- (dashed) | PROPOSED PAVING/PATH                           |
| --- (dashed) | PROPOSED SIDEWALKS                             |
| --- (dotted) | FOREST CONSERVATION EASEMENT (REFORESTATION)   |
| --- (dotted) | FOREST CONSERVATION EASEMENT FENCING           |
| --- (dotted) | LIMIT OF DISTURBANCE                           |
| --- (dotted) | SUPER SILT FENCE                               |
| --- (dotted) | SILT FENCE                                     |
| --- (dotted) | EXISTING TREE LINE                             |
| --- (dotted) | PROPOSED TREE LINE                             |
| --- (dotted) | DRYWELL (M-5)-TYPICAL                          |
| --- (dotted) | SOIL LINES AND TYPES                           |
| --- (dotted) | EXISTING WETLANDS & WETLAND BUFFER             |
| --- (dotted) | BIO RETENTION FACILITY (F-6) OR (M-6) AS NOTED |
| --- (dotted) | PROPOSED ROOF LEADER                           |
| --- (dotted) | SEC DRAINAGE AREAS                             |
| --- (dotted) | DIVERSION FENCE DRAINAGE AREA                  |
| --- (dotted) | DENOTES EXISTING TREES TO BE REMOVED           |
| --- (dotted) | DENOTES EXISTING TREES TO REMAIN               |
| --- (dotted) | CRITICAL ROOT ZONE                             |
| --- (dotted) | EXISTING TREES PER F-13-071                    |
| --- (dotted) | DENOTES 15%-24.9% SLOPES                       |
| --- (dotted) | DENOTES 25% & ~ SLOPES                         |
| --- (dotted) | SOIL STABILIZATION MATTING                     |

MATCHLINE SHEET 3

EXISTING PRIVATE AMENDED-DECLARATION AND EXTENSION OF EASEMENT AND MAINTENANCE OBLIGATIONS FOR LOTS 64 (FORMERLY LOT 44), LOT 63 (FORMERLY LOT 45), 40, 39, 50, 52 AND TAX PARCELS 76 AND 845 (L1301, F.008, L1330, F.244, L.3467, E.397, L.3579, E.434, L.3519, F.134, L.4071, F.740, L.9217, F.341)

| REVISIONS |             |      |
|-----------|-------------|------|
| NO.       | DESCRIPTION | DATE |
|           |             |      |



Approved: Howard County Department Of Planning And Zoning

Chief, Development Engineering Division *[Signature]* 8/19/24 Date

Chief, Division Of Land Development *[Signature]* 8/19/24 Date

**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTENNIAL SQUARE PARK - 10272 BALTIMORE NATIONAL PIKE  
 ELICOTT CITY, MARYLAND 21142  
 (410) 461-7995

61260 DRN: JNG CHK: FJM



**PROFESSIONAL CERTIFICATION**

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21476, EXPIRATION DATE: 7/14/25.

*[Signature]* 8/19/24 Date  
 FRANK JOHN MANALANSAN II

**OWNER**

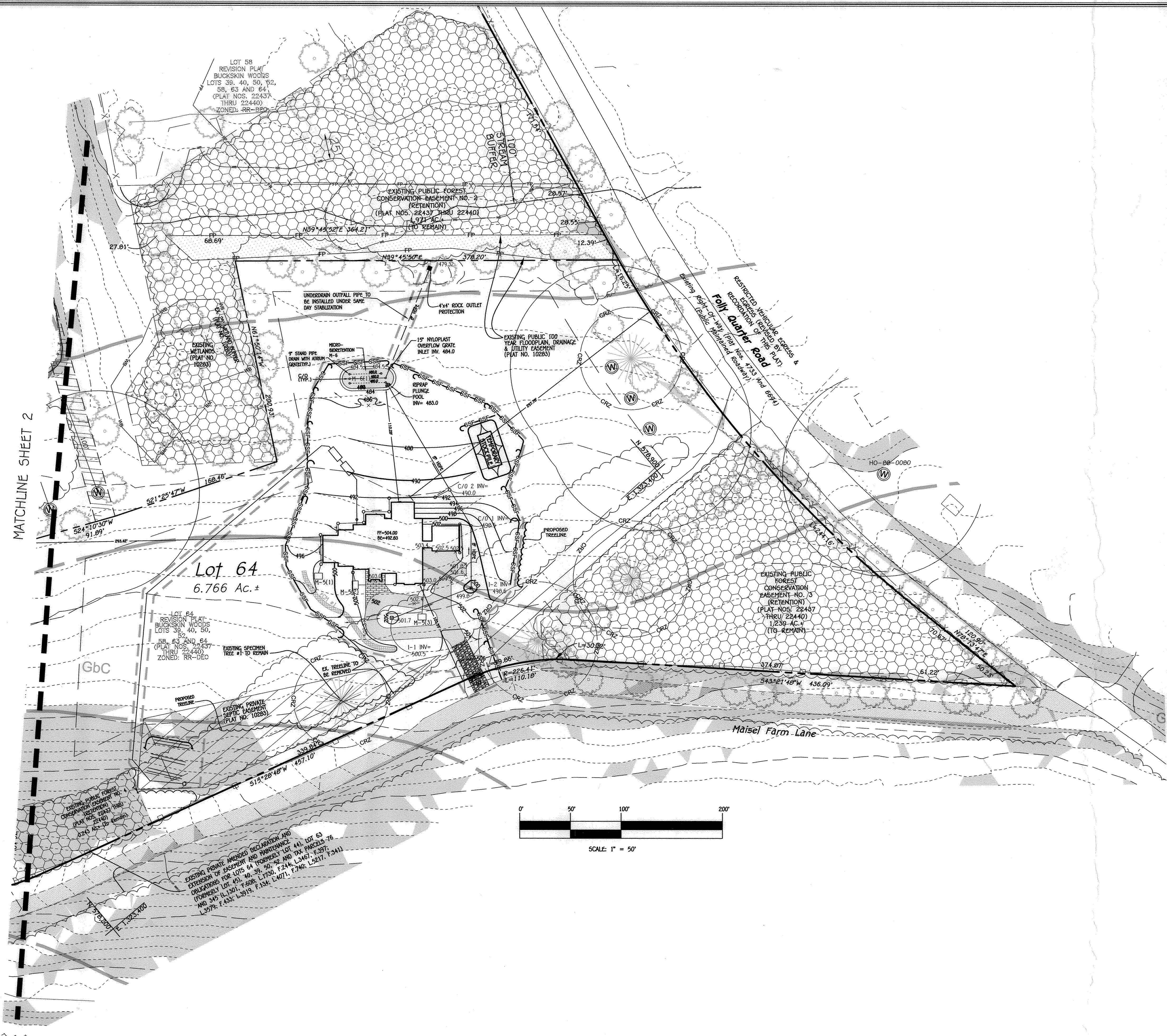
WILLIAMSBURG BUILDERS  
 5405 HARPERS FARM ROAD  
 COLUMBIA, MARYLAND 21044  
 410-997-8800

**BUILDER/DEVELOPER**

WILLIAMSBURG BUILDERS  
 5405 HARPERS FARM ROAD  
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SUPPLEMENTAL PLAN  
**BUCKSKIN WOODS**  
 LOTS 39, 40, 50, 63, & 64  
 P.B. 5, F. 4  
 TAX MAP NO.: 35 GRID NO.: 19 PARCEL NO.:205  
 ZONED RR-DEO  
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 SCALE: AS SHOWN DATE: JUNE, 2024  
 SHEET 2 OF 4





| LEGEND |  |
|--------|--|
| SYMBOL | DESCRIPTION                                    |
| ---    | EXISTING CONTOUR 2' INTERVAL                   |
| ---    | EXISTING CONTOUR 10' INTERVAL                  |
| ---    | PROPOSED CONTOUR 10' INTERVAL                  |
| ---    | PROPOSED CONTOUR 2' INTERVAL                   |
| ×      | SPOT ELEVATION                                 |
| ---    | EXISTING STORM DRAIN                           |
| ---    | PROPOSED STORM DRAIN PIPE                      |
| ---    | EXISTING WATER LINE                            |
| ---    | EXISTING SEWER LINE                            |
| ---    | PROPOSED SEWER                                 |
| ---    | PROPOSED WATER                                 |
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| ---    | PROPOSED SIDEWALKS                             |
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| ---    | FOREST CONSERVATION EASEMENT FENCING           |
| ---    | LIMIT OF DISTURBANCE                           |
| ---    | SUPER SILT FENCE                               |
| ---    | SILT FENCE                                     |
| ---    | STABILIZED CONSTRUCTION ENTRANCE               |
| ---    | EXISTING TREE LINE                             |
| ---    | PROPOSED TREE LINE                             |
| ---    | DRYWELL (M-5)-TYPICAL                          |
| ---    | SOIL LINES AND TYPES                           |
| ---    | EXISTING WETLANDS & WETLAND BUFFER             |
| ---    | BIO RETENTION FACILITY (F-6) OR (M-6) AS NOTED |
| ---    | PROPOSED ROOF LEADER                           |
| ---    | DENOTES EXISTING TREES TO BE REMOVED           |
| ---    | DENOTES EXISTING TREES TO REMAIN               |
| ---    | CRITICAL ROOT ZONE                             |
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| ---    | DENOTES 15%-24.9% SLOPES                       |
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| REVISIONS |             |      |
|-----------|-------------|------|
| NO.       | DESCRIPTION | DATE |
|           |             |      |
|           |             |      |

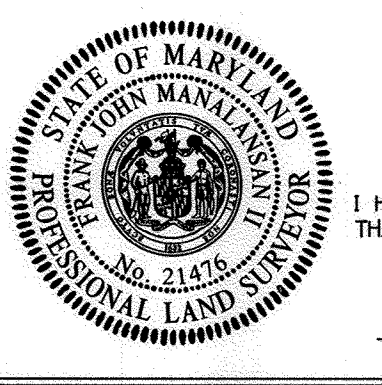
Approved: Howard County Department Of Planning And Zoning

Chief, Development Engineering Division *[Signature]* Date *5/12/24*

Chief, Division Of Land Development *[Signature]* Date *5/12/24*

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61260 DRN: JNG CHK: FJM



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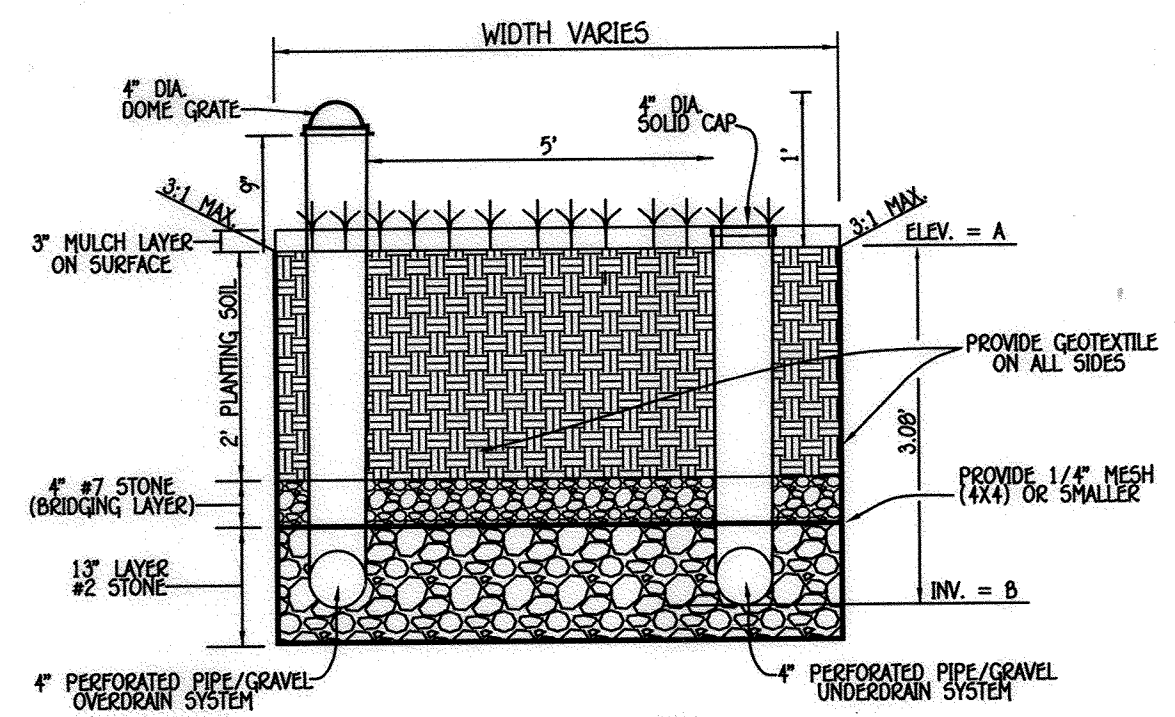
*[Signature]* Date *7/12/24*  
 FRANK JOHN MANALANSAN II

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 410-997-8800

**BUILDER/DEVELOPER**  
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SUPPLEMENTAL PLAN  
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 P.B. 5, F. 4  
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 ZONED RR-DEO  
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 SCALE: AS SHOWN DATE: JUNE, 2024  
 SHEET 3 OF 4



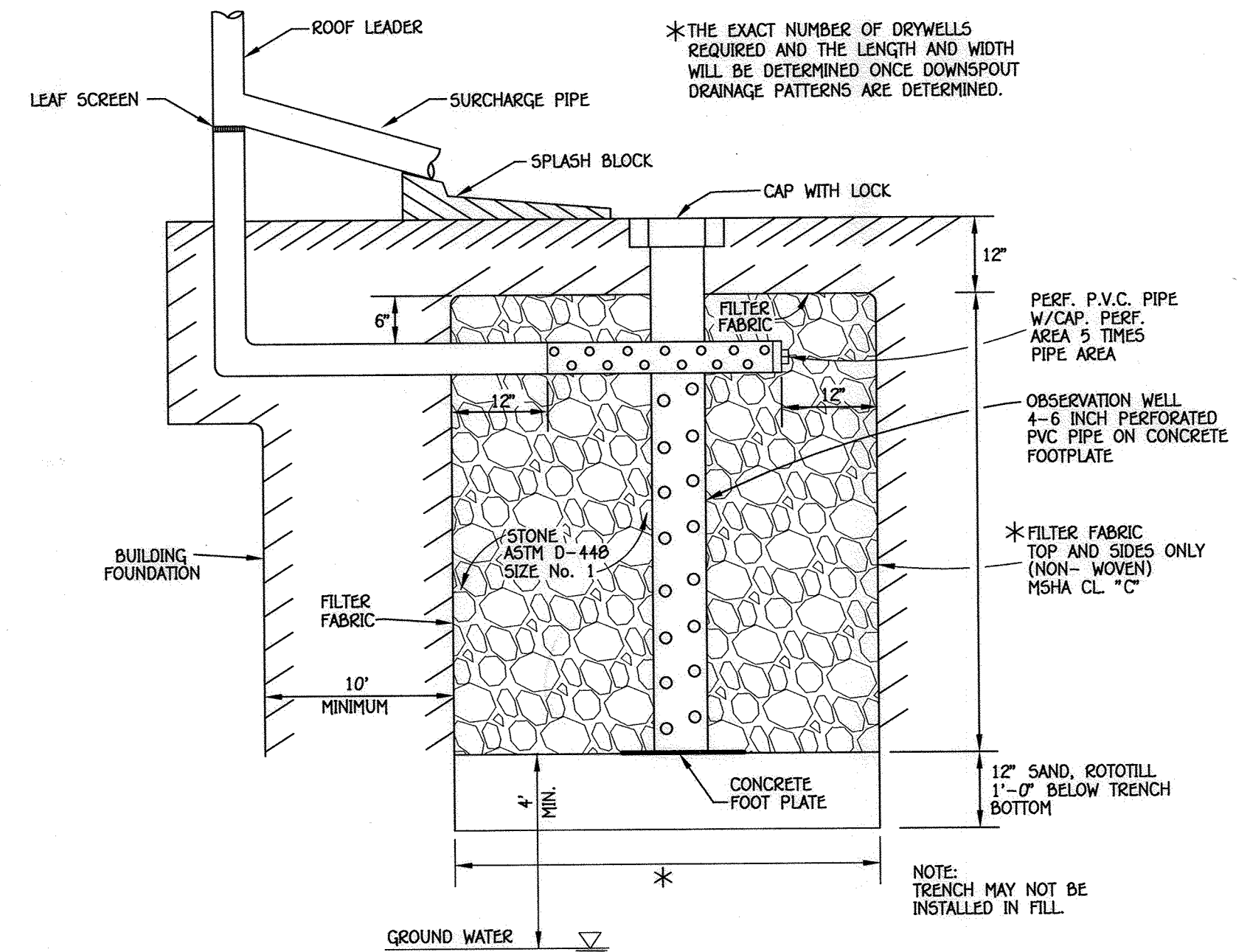


**TYPICAL SECTION MICRO-BIORETENTION FACILITY (M-6)**  
NO NOT SCALE

| FACILITY NO. | A     | B     |
|--------------|-------|-------|
| M-6 LOT 50   | 493.3 | 490.3 |
| M-6 LOT 64   | 483.0 | 479.5 |

**OPERATION & MAINTENANCE SCHEDULE FOR MICRO-BIORETENTION (M-6)**

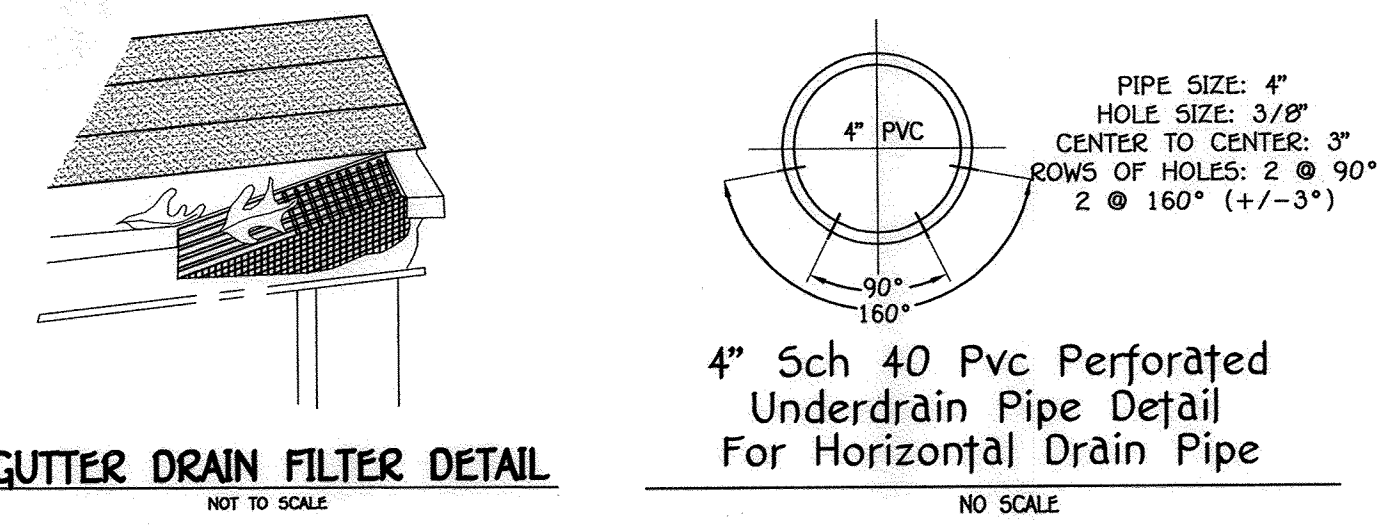
- THE OWNER SHALL MAINTAIN THE PLANT MATERIAL, MULCH LAYER AND SOIL LAYER ANNUALLY. MAINTENANCE OF MULCH AND SOIL IS LIMITED TO CORRECTING AREAS OF EROSION OR WASH OUT. ANY MULCH REPLACEMENT SHALL BE DONE IN THE SPRING. PLANT MATERIAL SHALL BE CHECKED FOR DISEASE AND INSECT INFESTATION AND MAINTENANCE 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.
- 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.



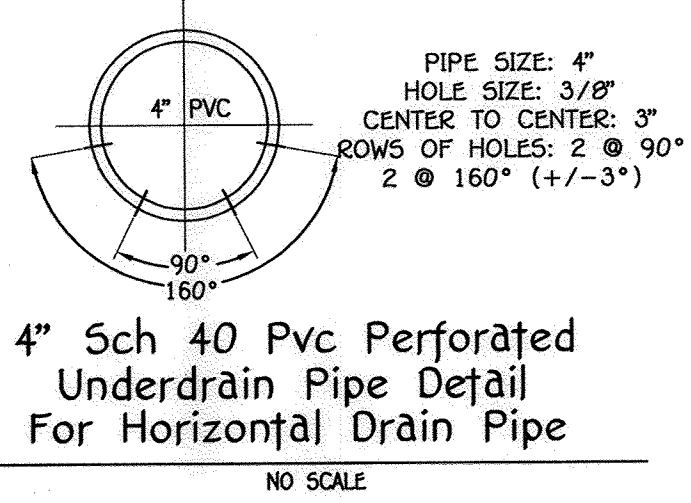
**DRY WELL DETAIL**  
NOT TO SCALE

**OPERATION AND MAINTENANCE SCHEDULE FOR DRYWELLS (M-5)**

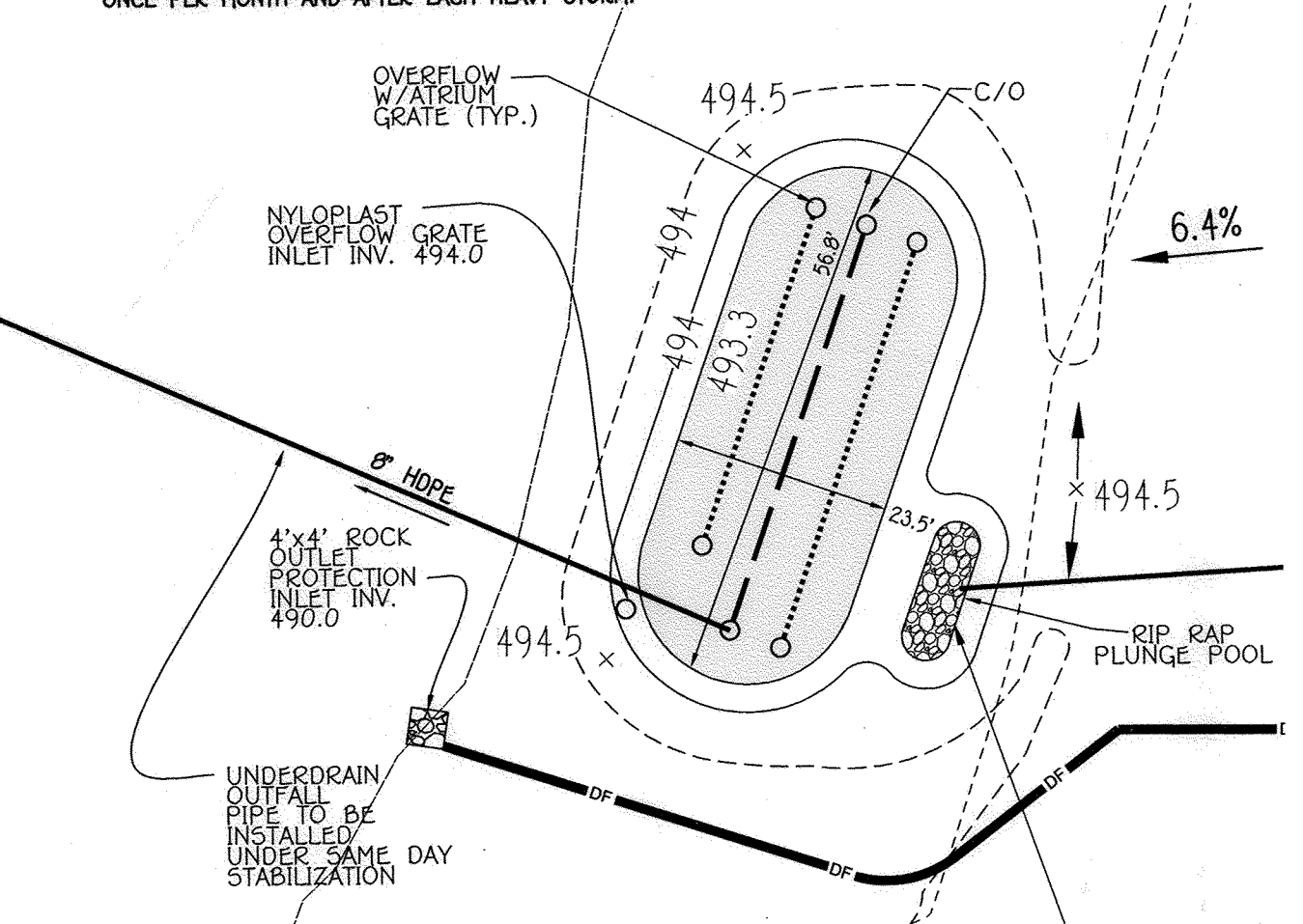
- THE OWNER SHALL INSPECT THE MONITORING WELLS AND STRUCTURES ON A QUARTERLY BASIS AND AFTER EVERY HEAVY STORM EVENT.
- THE OWNER SHALL RECORD THE WATER LEVELS AND SEDIMENT BUILD UP IN THE MONITORING WELLS OVER A PERIOD OF SEVERAL DAYS TO INSURE TRENCH DRAINAGE.
- THE OWNER SHALL MAINTAIN A LOG BOOK 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.



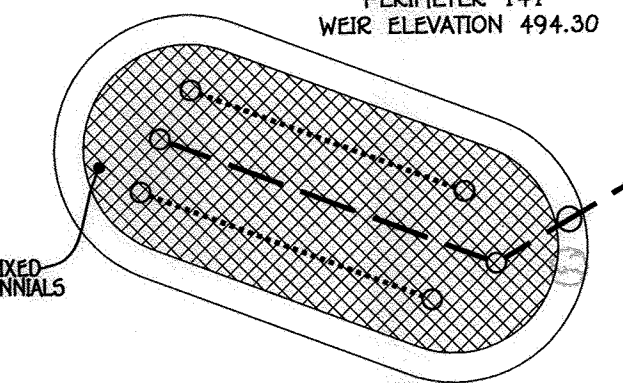
**GUTTER DRAIN FILTER DETAIL**  
NOT TO SCALE



**4\"/>**

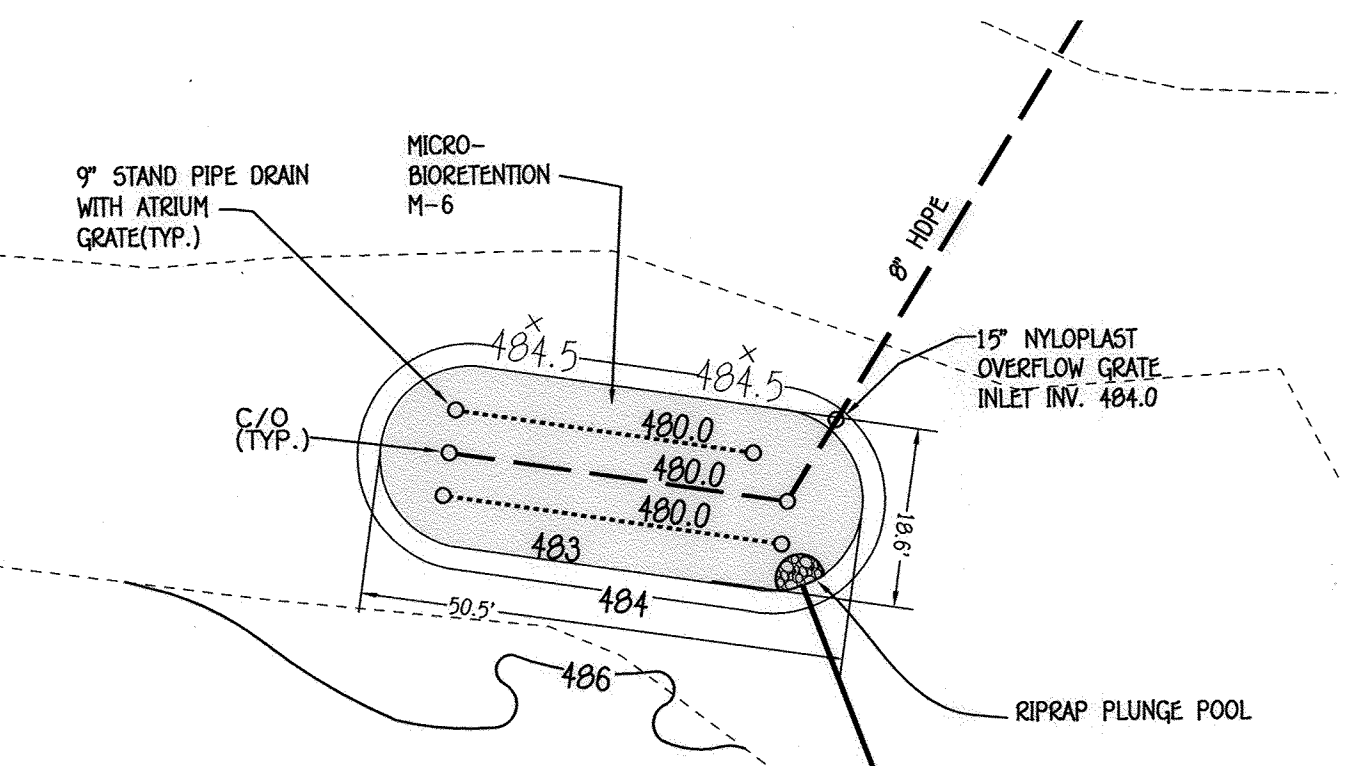


**M-6 LOT 50**  
SCALE: 1" = 20'  
DRAINAGE AREA: 31,821 Sqft.  
FILTER AREA: 1,225 Sqft.  
ELEVATION: 493.30  
PERIMETER: 141'  
WEIR ELEVATION: 494.30

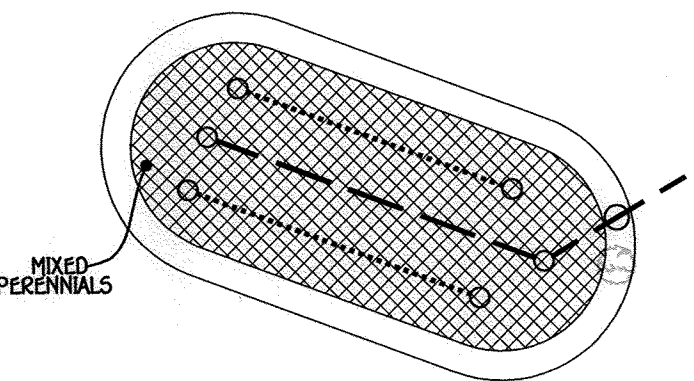


**MICRO-BIORETENTION PLANTING DETAIL LOT 50**  
NOT TO SCALE

| MICRO-BIO QUANTITY | NAME             | MAXIMUM SPACING (FT.) |
|--------------------|------------------|-----------------------|
| 47                 | MIXED PERENNIALS | 36" o.c.              |
| 1                  | SILK BERRY       |                       |



**M-6 LOT 64**  
SCALE: 1" = 20'  
DRAINAGE AREA: 15,754 Sqft.  
FILTER AREA: 876 Sqft.  
ELEVATION: 483.00  
PERIMETER: 123'  
WEIR ELEVATION: 484.00



**MICRO-BIORETENTION PLANTING DETAIL LOT 64**  
NOT TO SCALE

| MICRO-BIO QUANTITY | NAME             | MAXIMUM SPACING (FT.) |
|--------------------|------------------|-----------------------|
| 41                 | MIXED PERENNIALS | 36" o.c.              |
| 1                  | SILK BERRY       |                       |

| SOIL | NAME                                       | CLASS | "K" VALUE |
|------|--|-------|-----------|
| MAD  | Manor loam, 15 to 25 percent slopes        | B     | .28       |
| WhA  | Wiltshire silt loam, 0 to 3 percent slopes | C     | .32       |
| W    | Water loam                                 | X     | X         |
| GbC  | Gladstone loam, 8 to 15 percent slopes     | A     | .28       |
| Ha   | Hatboro-Codorus, 0 to 3 percent slopes     | B/D   | .37       |

| LOT | ADDRESS               | DRYWELLS (M-5) Y/N, NUMBER | ROOFTOP DISCONNECTION (N-1) Y/N, NUMBER | NON-ROOFTOP DISCONNECTION (N-2) Y/N, NUMBER | RAINWATER HARVESTING (M-1) Y/N, NUMBER | MICRO-BIO (M-6) Y/N, NUMBER | GRASS CHANNEL (M-8) Y/N, NUMBER |
|-----|-----------------------|----------------------------|---|---|--|-----------------------------|---------------------------------|
| 50  | 4264 MAISEL FARM LANE | Y (3)                      | N                                       | N   | N                                      | Y (1)                       | N                               |
| 64  | 4248 MAISEL FARM LANE | Y (3)                      | N                                       | N   | N                                      | Y (1)                       | N                               |

| LOT No. | DRYWELL No. | AREA OF ROOF PER DRYWELL | VOLUME REQUIRED | VOLUME PROVIDED | AREA OF TREATMENT | L   | W  | D  |
|---------|-------------|--------------------------|-----------------|-----------------|-------------------|-----|----|----|
| LOT 50  | 1           | 762 SQ.FT.               | 162 CU.FT.      | 162 CU.FT.      | 100%*             | 9'  | 9' | 5' |
| LOT 50  | 2           | 659 SQ.FT.               | 144 CU.FT.      | 144 CU.FT.      | 100%*             | 9'  | 8' | 5' |
| LOT 50  | 3           | 831 SQ.FT.               | 180 CU.FT.      | 180 CU.FT.      | 100%*             | 10' | 9' | 5' |
| LOT 64  | 1           | 653 SQ.FT.               | 77 CU.FT.       | 77 CU.FT.       | 100%*             | 8'  | 6' | 4' |
| LOT 64  | 2           | 926 SQ.FT.               | 77 CU.FT.       | 77 CU.FT.       | 100%*             | 8'  | 6' | 4' |
| LOT 64  | 3           | 580 SQ.FT.               | 77 CU.FT.       | 77 CU.FT.       | 100%*             | 8'  | 6' | 4' |

| NO. | DESCRIPTION | DATE |
|-----|-------------|------|
|     |             |      |

Approved: Howard County Department Of Planning And Zoning

Chief, Development Engineering Division *[Signature]* Date: *8/1/24*

Chief, Division Of Land Development *[Signature]* Date: *8/1/24*

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SHEET 4 OF 4