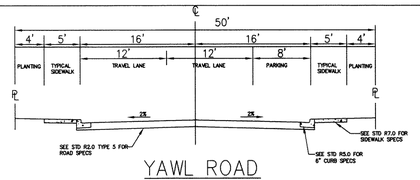
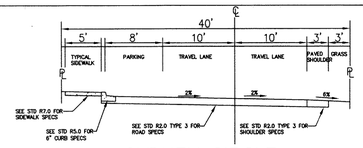


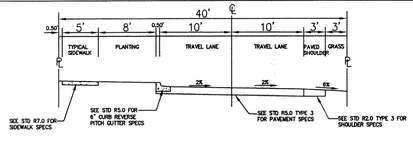
YAWL ROAD

PARKING ONE-SIDE TYPICAL SECTION
STA 09+38.24 – 20+74.98



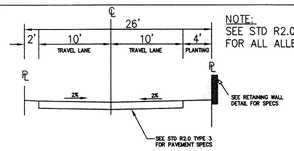
SYDNEY CIRCLE

PARKING ONE-SIDE TYPICAL SECTION
STA 10+00 – 14+80.68



SYDNEY CIRCLE

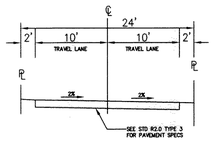
NO PARKING TYPICAL SECTION
STA 10+00 – 14+80.68



NOTE:
SEE STD R2.0 TYPE 9
FOR ALL ALLEY ENTRANCES

PRIVATE ALLEY NORTH

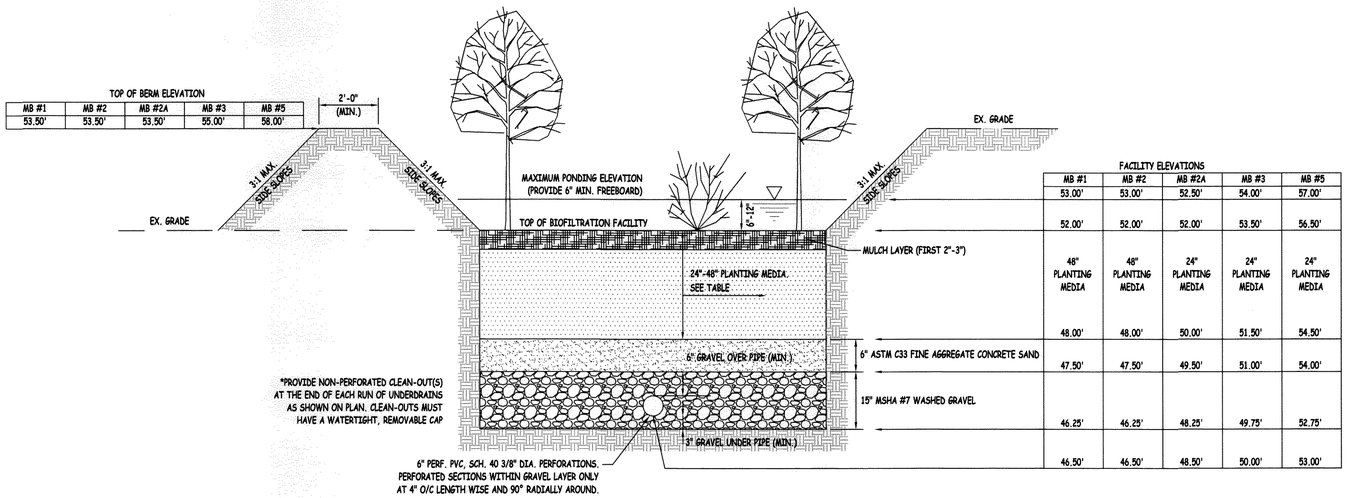
STA 10+00 – 21+23.06



PRIVATE ALLEY SOUTH

STA 10+00 TO 19+96.90

NOTE:
SEE STD R2.0 TYPE 9
FOR ALL ALLEY ENTRANCES

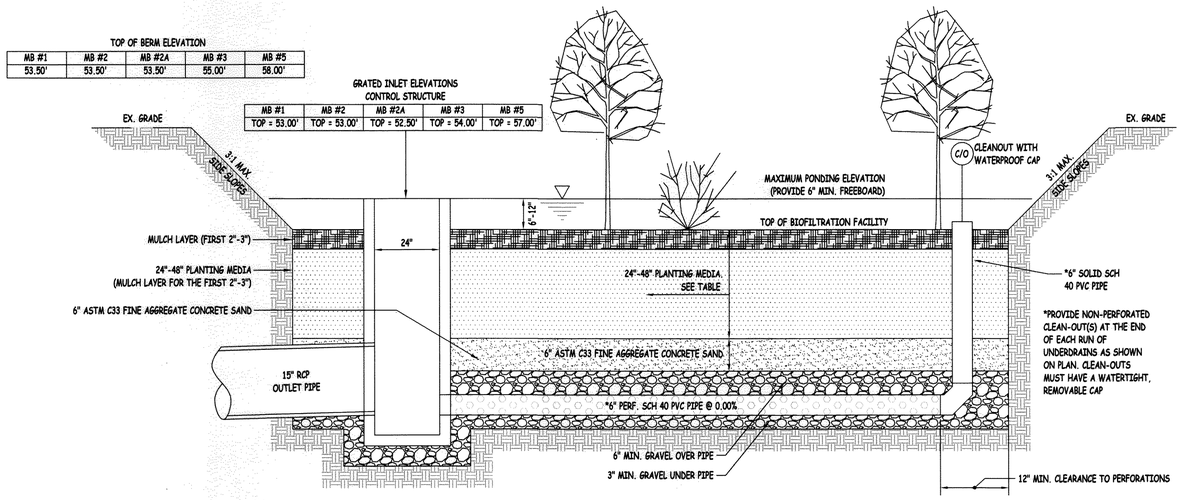


FACILITY ELEVATIONS

MB #1	MB #2	MB #2A	MB #3	MB #5
53.00'	53.00'	52.50'	54.00'	57.00'
52.00'	52.00'	52.00'	53.50'	56.50'
48" PLANTING MEDIA	48" PLANTING MEDIA	24" PLANTING MEDIA	24" PLANTING MEDIA	24" PLANTING MEDIA
48.00'	48.00'	50.00'	51.50'	54.50'
47.50'	47.50'	49.50'	51.00'	54.00'
46.25'	46.25'	48.25'	49.75'	52.75'
46.50'	46.50'	48.50'	50.00'	53.00'

TYPICAL CROSS-SECTION THRU MICRO-BIORETENTION (PERPENDICULAR TO UNDER-DRAIN)

N.T.S.



TYPICAL CROSS-SECTION THRU MICRO-BIORETENTION (PARALLEL TO UNDER-DRAIN)

N.T.S.

SPECIFICATIONS FOR BIOFILTRATION

1. MULCH: THE SURFACE MULCH LAYER WILL CONSIST OF STANDARD FINE SHREDDED AGED HARDWOOD MULCH. THE MULCH SHOULD BE APPLIED UNIFORMLY TO A DEPTH OF 2 TO 3 INCHES. YEARLY REPLENISHING MAY BE NECESSARY. PINE BARK IS NOT ACCEPTABLE.

2. SOIL FILTER/PLANTING MEDIA: THE PLANTING MEDIA SHALL CONSIST OF 1/3 PERLITE OR SOLITE, 1/3 COMPOST AND 1/3 TOPSOIL. THE PERLITE SHALL BE COURSE GRADE HORTICULTURAL PERLITE. THE COMPOST SHALL BE HIGH GRADE COMPOST FREE OF STONES AND PARTIALLY COMPOSTED WOODY MATERIAL. THE SOIL SHALL MEET THE FOLLOWING MINIMUM CRITERIA: CONTAIN NO MORE THAN 10% CLAY, 30-55% SILT AND 35-60% SAND. THE SOIL SHALL BE FREE OF STONES, STUMPS, ROOTS OR OTHER SIMILAR OBJECTS LARGER THAN 2 INCHES. THE FIRST LAYER OF THE PLANTING MEDIA SHALL BE LIGHTLY TILLED TO MIX IT INTO THE SAND LAYER, SO NOT TO CREATE A DEFINITIVE BOUNDARY. THE PLANTING MATERIAL SHALL BE FLOODED AFTER PLACEMENT. ANY SETTLEMENT THAT OCCURS SHALL BE FILLED BACK TO THE DESIGN ELEVATION.

3. SAND BED: A MINIMUM 6-INCH FINE AGGREGATE SAND LAYER SHALL BE PROVIDED BELOW THE SOIL FILTER/PLANTING MEDIA. MANUFACTURED SAND OR STONE DUST IS NOT ACCEPTABLE.

4. GRAVEL BED: THE GRAVEL LAYER SURROUNDING THE UNDERDRAIN PIPE(S) MUST MEET MSHA SIZE #7 (TABLE 901A), AND MUST PROVIDE A MINIMUM OF 6 INCHES COVER OVER THE PIPE(S), AND A MINIMUM 3 INCHES UNDER THE PIPE. NO GEOTEXTILE OR FILTER FABRIC IS ALLOWED ANYWHERE WITHIN THE FILTER MEDIA (STONE AND SAND).

5. PROVIDE RIPRAP PADS FOR ALL PIPE OUTFALLS INTO MICRO-BIORETENTION FACILITIES, AS SHOWN ON THESE PLANS.

6. PROVIDE RIPRAP LEVEL SPREADERS ALONG PAVEMENT EDGES THAT DRAIN TO MICRO-BIORETENTION FACILITIES, AS SHOWN ON THESE PLANS.

SAND SPECIFICATIONS:

WASHED ASTM C33 FINE AGGREGATE CONCRETE SAND IS UTILIZED FOR STORMWATER MANAGEMENT APPLICATIONS IN MONTGOMERY COUNTY. IN ADDITION TO THE ASTM C33 SPECIFICATION, SAND MUST MEET ALL OF THE FOLLOWING CONDITIONS:

1. SAND MUST MEET GRADATION REQUIREMENTS FOR ASTM C-33 FINE AGGREGATE CONCRETE SAND. AASHTO M-6 GRADATION IS ALSO ACCEPTABLE.

2. SAND MUST BE SILICA BASED...NO LIMESTONE BASED PRODUCTS MAY BE USED. IF THE MATERIAL IS WHITE OR GRAY IN COLOR, IT IS PROBABLY NOT ACCEPTABLE.

3. SAND MUST BE CLEAN. NATURAL, UNWASHED SAND DEPOSITS MAY NOT BE USED. LIKEWISE, SAND THAT HAS BECOME CONTAMINATED BY IMPROPER STORAGE OR INSTALLATION PRACTICES WILL BE REJECTED.

4. MANUFACTURED SAND OR STONE DUST IS NOT ACCEPTABLE UNDER ANY CIRCUMSTANCE.

THESE PLANS ARE BASED UPON PLANS TITLED 'ARIS ALLEN BOULEVARD, LLC MIXED RESIDENTIAL' CREATED BY BOWMAN CONSULTING, PORTIONS OF WHICH ARE USED HEREIN.

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NO.	DATE	REVISION	BY

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PROJECT
ARIS T. ALLEN BOULEVARD
RESIDENTIAL PLANNED DEVELOPMENT
PART 1 - LOTS 26 - 31, 47 & 48
6TH ELECTION DISTRICT
CITY OF ANNAPOLIS, MARYLAND
TAX MAP/GRID: 51/E/8

STATE OF MARYLAND
PIERO VAN MELLITS
No. 21875
REGISTERED PROFESSIONAL ENGINEER
PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
License No.: 21875 Expiration Date: 31/2/16

SHEET TITLE
SITE DETAILS

GRADING PERMIT NO.: GRD 14 - 0006

PROJECT NO.	130003.01
SCALE	AS SHOWN
DATE	5/30/2014
DRAWN BY	JDS/CLW
CHECKED BY	PVM/TJC
DRAWING NO.	C16.40

43 OF 66 SHTS

FILE NAME: P:\Proj130\130003.01 Aris T. Allen Property\10_Dwgs\CADD\Working\C16.40 SITE DETAILS.dwg PLOT TIME: Mon, 02 Jun 2014 - 1:19pm LAST SAVE: Fri, 30 May 2014 - 3:18pm BY: JStaley