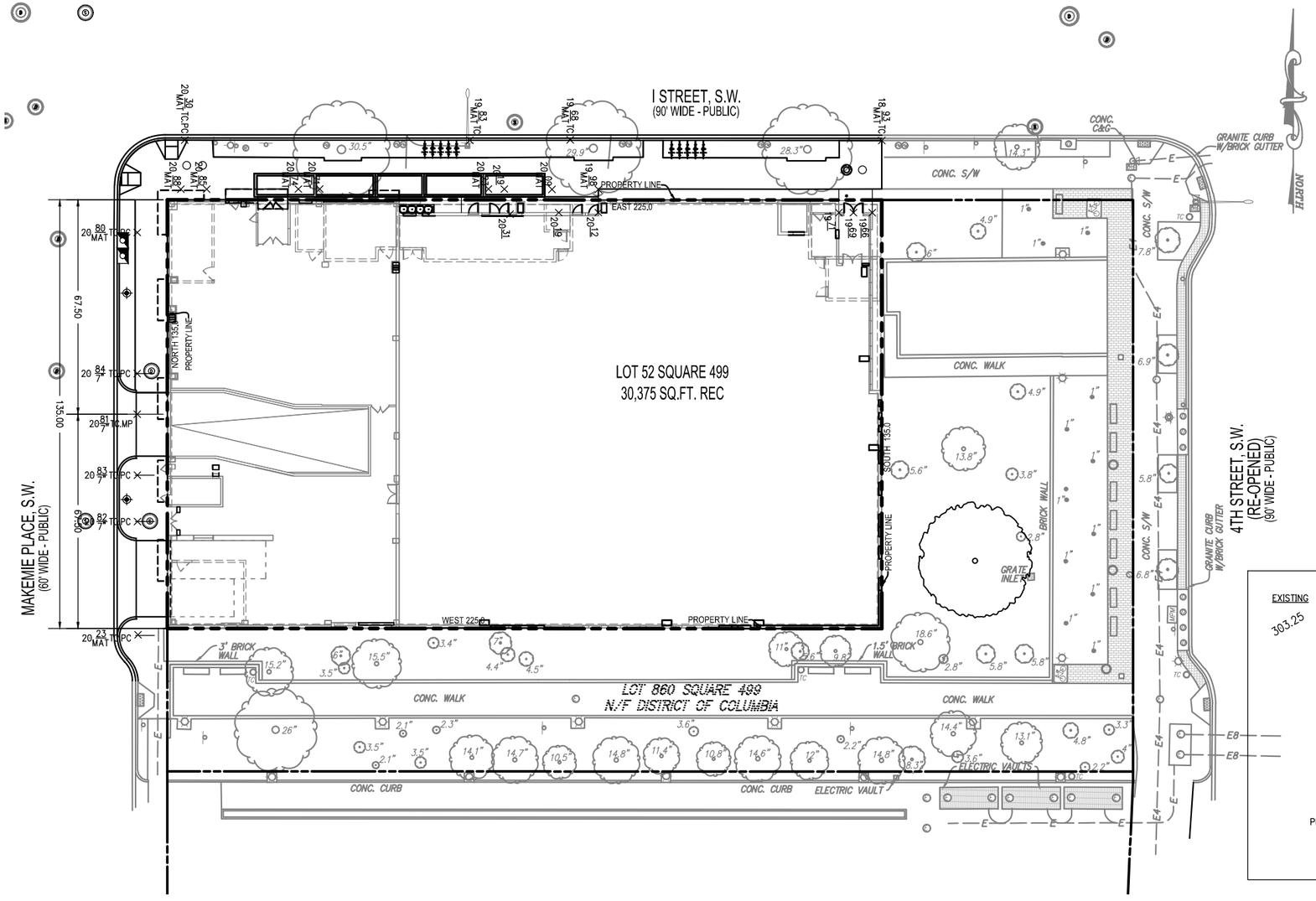


40' 20' 0 40' 80'

1' = 40'

EXISTING	LEGEND	BY OTHERS	PROPOSED	
303.25	SPOT ELEVATIONS	03 25 *	03 25	HUNDREDS PLACE TRUNCATED
	SPOT ELEVATIONS (WITH NOTATION)	03 25 *TC	03 25 TC	NOTATION & REVEAL

BY OTHERS: DESIGN INFORMATION FROM PLANS OTHER THAN THIS CONTRACT.

SLOPE 2%

PEDESTRIAN ACCESS ROUTE

BC: BOTTOM OF CURB
CRN: CROWN
GB: GRADE BREAK
INV: INVERT
MAT: MATCH (EXISTING CONDITION)
LP: LOW POINT
TC: TOP OF CURB
BW: BOTTOM OF WALL
BR: BOTTOM OF RAMP
TR: TOP OF RAMP
TS: TOP OF STAIRS
BS: BOTTOM OF STAIRS
HP: HIGH POINT
ES: EDGE OF SIDEWALK
PAR: PEDESTRIAN ACCESS ROUTE
PC: POINT OF CURVATURE
MH: MANHOLE
MP: MEASURING POINT

NOTE:

THE MEASURING POINT IS TAKEN AT THE MIDPOINT OF THE PROPERTY LINE PER THE SUBDIVISION. SINCE THE MEASURING POINT LANDS WITHIN THE CURB CUT, THE POINT HAS BEEN TAKEN AS THOUGH IT WAS A TOP OF CURB ELEVATION, ADDING 7" TO THE FLOW LINE AT THE POINT PER STANDARD DDOT CURB HEIGHT.

EXISTING MANHOLE AND VAULT TOPS (SEWER/WATER/GAS/TELECOMM/ELECTRIC) TO BE ADJUSTED (IF REQUIRED) TO MATCH PROPOSED GRADE.

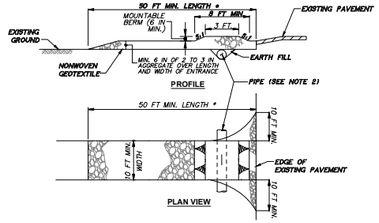
GRADING PLAN

KGD architecture | WESTMINSTER PRESBYTERIAN CHURCH DC | DP DANTES PARTNERS | BOZZUTO

WESTMINSTER CHURCH LIVING
400 I STREET SW, WASHINGTON DC

PUD & ZONING MAP AMENDMENT APPLICATION
MAY 22, 2020

CIV0107



STANDARD SYMBOL: SCE

CONSTRUCTION SPECIFICATIONS

1. PLACE THE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE SCE. USE A MINIMUM LENGTH OF 50 FEET (*30 FEET FOR SINGLE-FAMILY RESIDENCE LOT) AND A MINIMUM WIDTH OF 10 FEET. FLARE THE SCE AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
2. PIPE ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD THE SCE UNDER THE ENTRANCE MAINTAINING POSITIVE DRAINAGE. PROVIDE PIPE AS SPECIFIED ON APPROVED PLAN. PROVIDE PIPE INSTALLED THROUGH THE SCE WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 12 INCHES OF STONE OVER THE PIPE. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE IS NOT NECESSARY. A MOUNTABLE BERM IS REQUIRED WHEN THE SCE IS NOT LOCATED AT A HIGH SPOT.
3. PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE.
4. PLACE CRUSHED AGGREGATE (2 TO 3 INCHES IN SIZE) OR EQUIVALENT RECYCLED CONCRETE (WITHOUT REBAR) AT LEAST 6 INCHES DEEP OVER THE LENGTH AND WIDTH OF THE SCE.
5. MAINTAIN ENTRANCE IN A CONDITION THAT MINIMIZES TRACKING OF SEDIMENT. ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN CLEAN SURFACE, MOUNTABLE BERM, AND SPECIFIED DIMENSIONS. IMMEDIATELY REMOVE STONE AND/OR SEDIMENT SPILLED, DROPPED, OR TRACKED ONTO ADJACENT ROADWAY BY VACUUMING, SCRAPING, AND/OR SWEEPING. WASHING ROADWAY TO REMOVE MUD TRACKED ONTO PAVEMENT IS NOT ACCEPTABLE UNLESS WASH WATER IS DIRECTED TO AN APPROVED SEDIMENT CONTROL PRACTICE.

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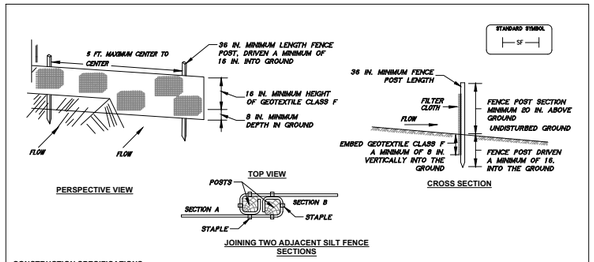
STABILIZED CONSTRUCTION ENTRANCE

DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT

DWG. NO 201.1

SOURCE: 2011 MARYLAND STANDARDS & SPECIFICATIONS



STANDARD SYMBOL: SF

CONSTRUCTION SPECIFICATIONS

1. FENCE POSTS MUST BE A MINIMUM OF 36 IN. LONG DRIVEN 16 IN. MINIMUM INTO THE GROUND. WOOD POSTS MUST BE OF SOUND QUALITY HARDWOOD WITH 1-1/2 IN. MINIMUM WIDTH WHEN SQUARE CUT, OR 1-3/4 IN. MINIMUM DIAMETER WHEN ROUND. STEEL POSTS MUST BE STANDARD T OR U SECTION WEIGHING NOT LESS THAN 1.00 POUND PER LINEAR FOOT.
2. FASTEN GEOTEXTILE SECURELY TO EACH FENCE POST WITH WIRE TIES OR STAPLES AT TOP AND MID-SECTION. GEOTEXTILE MUST MEET THE FOLLOWING REQUIREMENTS (GEOTEXTILE CLASS F):

PROPERTY	VALUE	TEST METHOD
TENSILE STRENGTH	50 LBS/IN (MIN.)	ASTM D-4595
TENSILE MODULUS	20 LBS/IN (MIN.)	ASTM D-4595
FLOW RATE	0.3 GAL/FT²/MINUTE (MAX.)	ASTM D-5141
FILTERING EFFICIENCY	75% (MIN.)	ASTM D-5141

3. WHERE ENDS OF GEOTEXTILE FABRIC COME TOGETHER, OVERLAP, FOLD, AND STAPLE THEM TO PREVENT SEDIMENT BYPASS.
4. INSPECT SILT FENCE AFTER EACH RAINFALL EVENT, AT LEAST DAILY DURING SUSTAINED RAINFALL EVENTS, AND MAINTAIN WHEN BULGES OCCUR OR WHEN SEDIMENT ACCUMULATION REACHES 30% OF THE FABRIC HEIGHT.

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SILT FENCE-1

DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT

DWG. NO 301.1

SOURCE: 2011 MARYLAND STANDARDS & SPECIFICATIONS

SILT FENCE DESIGN CRITERIA:

TABLE 3.1: SILT FENCE SLOPE LENGTH AND FENCE LENGTH CONSTRAINTS

SLOPE STEEPNESS	SLOPE LENGTH (MAXIMUM) (FEET)	SILT FENCE LENGTH (MAXIMUM) (FEET)
FLATTER THAN 50:1 (2%)	UNLIMITED	UNLIMITED
> 50:1 TO 10:1 (2% to 10%)	125	1,000
> 10:1 TO 5:1 (10% to 20%)	100	750
> 5:1 TO 3:1 (20% to 33%)	60	500
> 3:1 TO 2:1 (33% to 50%)	40	250
> 2:1 (> 50%)	20	125

NOTE:

* IN AREAS OF LESS THAN 2% SLOPE AND SANDY SOILS (USDA GENERAL CLASSIFICATION SYSTEM, SOIL CLASS A) MAXIMUM SLOPE LENGTH AND SILT FENCE LENGTH WILL BE UNLIMITED. IN THESE AREAS A SILT FENCE MAY BE THE ONLY PERIMETER CONTROL REQUIRED.
* TO AVOID CIRCUMVENTION, EXTEND THE ENDS OF THE SILT FENCE UPSLOPE TO PREVENT WATER AND SEDIMENT FROM FLOWING AROUND THE ENDS OF THE FENCE.

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SILT FENCE-2

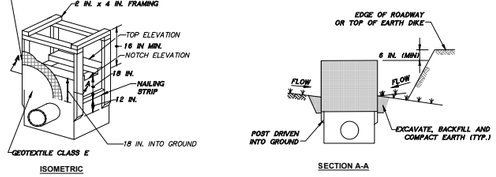
DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT

DWG. NO 301.2

SOURCE: 2011 MARYLAND STANDARDS & SPECIFICATIONS

MAXIMUM DRAINAGE AREA = ¼ ACRE

STANDARD SYMBOL: SIP



CONSTRUCTION SPECIFICATIONS

1. EXCAVATE COMPLETELY AROUND THE INLET TO A DEPTH OF 18 INCHES BELOW THE NOTCH ELEVATION.
2. DRIVE 2-INCH x 4-INCH CONSTRUCTION GRADE LUMBER POSTS 1 FOOT INTO THE GROUND AT EACH CORNER OF THE INLET. PLACE NAIL STRIPS BETWEEN THE POSTS ON THE ENDS OF THE INLET. ASSEMBLE THE TOP PORTION OF THE 2-INCH x 4-INCH FRAME USING THE OVERLAP JOINT SHOWN ON DETAIL 307.1. THE TOP OF THE FRAME (WEIR) MUST BE 6 INCHES BELOW ADJACENT ROADWAYS WHERE FLOODING AND SAFETY ISSUES MAY ARISE.
3. STRETCH 1/2-INCH x 1/2-INCH WIRE MESH TIGHTLY AROUND THE FRAME AND FASTEN SECURELY. THE ENDS MUST MEET AND OVERLAP AT A POST.
4. STRETCH THE GEOTEXTILE CLASS E TIGHTLY OVER THE WIRE MESH WITH THE GEOTEXTILE EXTENDING FROM THE TOP OF THE FRAME TO 18 INCHES BELOW THE INLET NOTCH ELEVATION. FASTEN THE GEOTEXTILE FIRMLY TO THE FRAME. THE ENDS OF THE GEOTEXTILE MUST MEET AT A POST, BE OVERLAPPED AND FOLDED, THEN FASTENED DOWN.
5. BACKFILL AROUND THE INLET IN COMPACTED 6-INCH LAYERS UNTIL THE LAYER OF EARTH IS LEVEL WITH THE NOTCH ELEVATION ON THE ENDS AND TOP ELEVATION ON THE SIDES.
6. IF THE INLET IS NOT IN A SUMP, CONSTRUCT A COMPACTED EARTH DIKE ACROSS THE DITCH LINE DIRECTLY BELOW IT. THE TOP OF THE EARTH DIKE SHOULD BE AT LEAST 6 INCHES HIGHER THAN THE TOP OF THE FRAME.
7. THE STRUCTURE MUST BE INSPECTED PERIODICALLY AND AFTER EACH RAIN AND THE GEOTEXTILE REPLACED WHEN IT BECOMES CLOGGED.

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STANDARD INLET PROTECTION
STORM DRAIN INLET PROTECTION

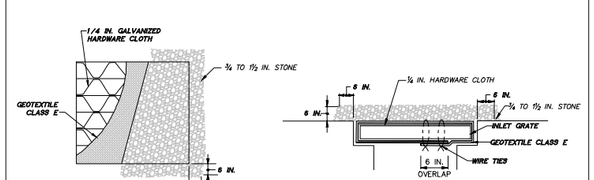
DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT

DWG. NO 307.1

SOURCE: 2011 MARYLAND STANDARDS AND SPECIFICATIONS

MAXIMUM DRAINAGE AREA = ¼ ACRE

STANDARD SYMBOL: AGIP



CONSTRUCTION SPECIFICATIONS

1. LIFT GRATE AND WRAP WITH GEOTEXTILE CLASS E TO COMPLETELY COVER ALL OPENINGS, SECURE WITH WIRE TIES, THEN SET GRATE BACK IN PLACE.
2. PLACE CLEAN ¾ TO 1-½ INCH STONE OR EQUIVALENT RECYCLED CONCRETE, 4 TO 6 INCHES THICK ON THE GRATE TO SECURE THE FABRIC.
3. IF THERE ARE ANY SIGNS OF STREET FLOODING OR WATER PONDING, THIS STRUCTURE MUST BE CLEANED OR REPLACED, OR REDESIGNED WITH A VIABLE ALTERNATIVE.

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AT GRADE INLET PROTECTION
STORM DRAIN INLET PROTECTION

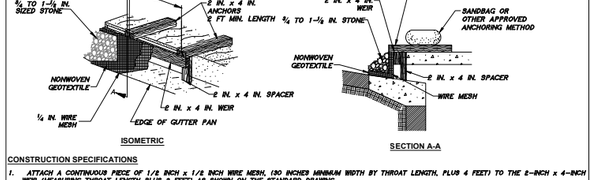
DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT

DWG. NO 307.2

SOURCE: 2011 MARYLAND STANDARDS AND SPECIFICATIONS

MAXIMUM DRAINAGE AREA = ¼ ACRE

STANDARD SYMBOL: CIP



CONSTRUCTION SPECIFICATIONS

1. ATTACH A CONTINUOUS PIECE OF 1/2 INCH x 1/2 INCH WIRE MESH, (30 INCHES MINIMUM WIDTH BY THROAT LENGTH, PLUS 4 FEET) TO THE 2-INCH x 4-INCH WEIR (MEASURING THROAT LENGTH PLUS 2 FEET) AS SHOWN ON THE STANDARD DRAWING.
2. PLACE A CONTINUOUS PIECE OF GEOTEXTILE CLASS E OF THE SAME DIMENSIONS AS THE WIRE MESH OVER THE WIRE MESH AND SECURELY ATTACH TO THE 2-INCH x 4-INCH WEIR.
3. SECURELY NAIL THE 2-INCH x 4-INCH WEIR TO A 9-INCH LONG VERTICAL SPACER TO BE LOCATED BETWEEN THE WEIR AND THE INLET FACE (MAXIMUM 4 FEET APART).
4. PLACE THE ASSEMBLY AGAINST THE INLET THROAT AND NAIL (MINIMUM 2-FOOT LENGTHS OF 2-INCHES x 4-INCHES TO THE TOP OF THE WEIR AT SPACER LOCATIONS). EXTEND THESE 2-INCH x 4-INCH ANCHORS ACROSS THE INLET TOP AND BE HELD IN PLACE BY BANDBAGS OR ALTERNATE WEIGHT.
5. PLACE THE ASSEMBLY SO THAT THE END SPACERS ARE 1 FOOT BEYOND BOTH ENDS OF THE THROAT OPENING.
6. FORM THE 1/2-INCH x 1/2-INCH WIRE MESH AND THE GEOTEXTILE FABRIC TO THE CONCRETE GUTTER AND AGAINST THE FACE OF THE CURB ON BOTH SIDES OF THE INLET. PLACE CLEAN 3/4 TO 1-1/2 INCH STONE OVER THE WIRE MESH AND GEOTEXTILE IN SUCH A MANNER AS TO PREVENT WATER FROM ENTERING THE INLET UNDER OR AROUND THE GEOTEXTILE.
7. THIS TYPE OF PROTECTION MUST BE INSPECTED FREQUENTLY AND THE GEOTEXTILE FABRIC AND STONE REPLACED WHEN CLOGGED WITH SEDIMENT.
8. ASSURE THAT STORM FLOWS DO NOT BYPASS THE INLET BY INSTALLING A TEMPORARY EARTH OR ASPHALT DIKE TO DIRECT THE FLOW TO THE INLET.
9. IF THERE ARE ANY SIGNS OF STREET FLOODING OR WATER PONDING, THIS STRUCTURE MUST BE CLEANED OR REPLACED, OR REDESIGNED WITH A VIABLE ALTERNATIVE SUCH AS S.3 FILTER SOCK.

*NOTE: FILTER SOCK IS AN ALTERNATIVE WHICH IS EASIER TO INSTALL AND MAINTAIN THAN THIS STANDARD DESIGN.

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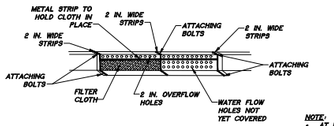
CURB INLET PROTECTION
STORM DRAIN INLET PROTECTION

DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT

DWG. NO 307.3

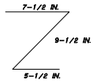
SOURCE: 2011 MARYLAND STANDARDS AND SPECIFICATIONS

EROSION AND SEDIMENT CONTROL DETAILS



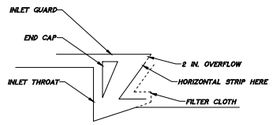
STANDARD INLET GUARD ATTACHMENT METHOD

NOTE:
- AT EACH INTERSECTION OF INLET PROTECTION OVERLAP A MINIMUM OF 2 IN.



NOTE:
- THE TOP MEASUREMENT OF 7-1/2 IN. IS SET TO PROVIDE A 2 IN. EXTENSION FOR OVERFLOW WHILE AVOIDING BLOCKAGE OF THE MANHOLE COVER.
- MAKE A WATERTIGHT CONNECTION ALONG THE SIDES AND BOTTOM OF THE INLET GUARD WITH THE STREET AND CURB.

STANDARD INLET GUARD DIMENSIONS



STANDARD INLET GUARD CROSS SECTION

STANDARD SYMBOL SIG

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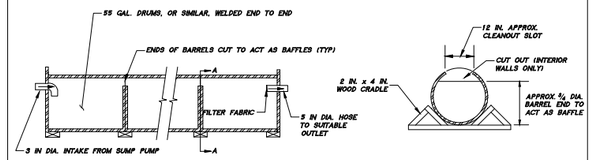
STANDARD INLET GUARD
STORM DRAIN INLET PROTECTION

DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT

DWG. NO 307.5

SOURCE: 2011 MARYLAND STANDARDS AND SPECIFICATIONS



ELEVATION SECTION A-A

CONSTRUCTION SPECIFICATIONS

1. CONSTRUCT THE STRUCTURE WITH STEEL DRUMS, STURDY WOOD, OR OTHER MATERIAL SUITABLE FOR HANDLING THE PRESSURE EXERTED BY THE VOLUME OF WATER.
2. SEDIMENT TANKS HAVE A MINIMUM DEPTH OF 2 FEET.
3. ONCE THE WATER LEVEL NEARS THE TOP OF THE TANK, SHUT OFF THE PUMP WHILE THE TANK DRAINS AND ADDITIONAL CAPACITY IS MADE AVAILABLE.
4. DESIGN THE TANK TO ALLOW FOR EMERGENCY FLOW OVER TOP OF THE TANK.

STANDARD SYMBOL PST

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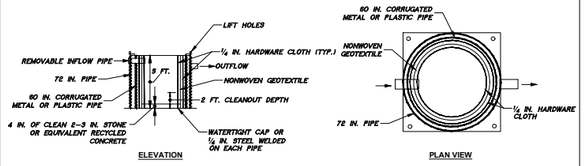
REFERENCE	

PORTABLE SEDIMENT TANK - 1
(HORIZONTAL)

DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT

DWG. NO 703.1

SOURCE: USDA-NRCS



ELEVATION PLAN VIEW

CONSTRUCTION SPECIFICATIONS

1. USE 60 INCH CORRUGATED METAL OR PLASTIC PIPE WITH 1 INCH DIAMETER PERFORATIONS, 6 INCHES ON CENTER FOR THE INNER PIPE. LINE PIPE WITH NONWOVEN GEOTEXTILE SANDWICHED BETWEEN, AND ATTACHED TO, ¼ INCH HARDWARE CLOTH.
2. OVERLAP GEOTEXTILE 8 INCHES MINIMUM AT VERTICAL SEAM AND AT THE BOTTOM PLATE.
3. ANCHOR GEOTEXTILE AT BOTTOM OF TANK WITH 4 INCHES OF 2 TO 3 INCH CLEAN STONE OR EQUIVALENT RECYCLED CONCRETE.
4. USE 72 INCH CORRUGATED METAL OR PLASTIC OUTER PIPE WITH PERMANENT OUTFLOW PIPE WITH INVERT LOWER THAN INFLOW PIPE.
5. INFLOW PIPE MUST DISCHARGE INTO INNER PIPE AND BE REMOVABLE.
6. PLACE TANK ON LEVEL SURFACE AND DISCHARGE TO A STABLE AREA AT A NON-EROSIVE RATE.

STANDARD SYMBOL PST

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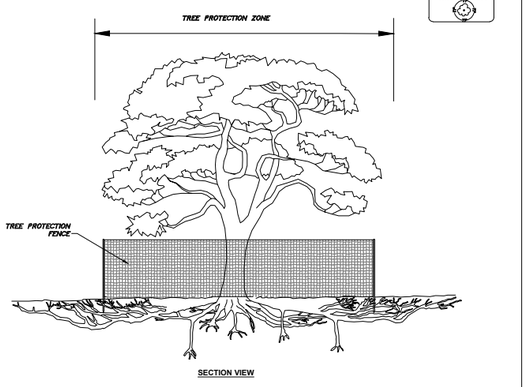
PORTABLE SEDIMENT TANK - 2
(VERTICAL)

DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT

DWG. NO 703.2

SOURCE: 2011 MARYLAND STANDARDS AND SPECIFICATIONS



SECTION VIEW

STANDARD SYMBOL

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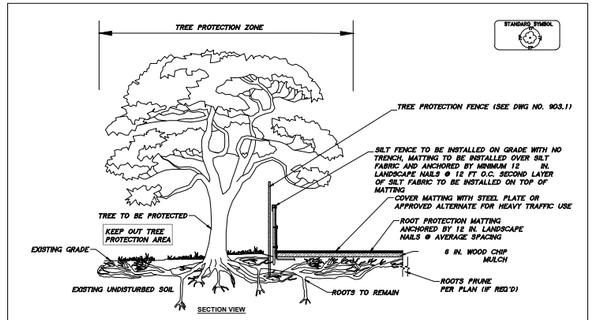
TREE PROTECTION

DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT

DWG. NO 903.1

SOURCE: URBAN TREE FOUNDATION 2014



SECTION VIEW

CONSTRUCTION SPECIFICATIONS

1. MATTING MATERIAL MUST BE DOUBLE SIDED GEOCOMPOSITE, GEONET CORE WITH NON-WOVEN COVERING (SUCH AS TENSAR ROADRAIN RD7) OR APPROVED EQUIVALENT.
2. INSTALL ROOT PROTECTION MATTING BY A CERTIFIED ARBORIST.
3. TO BE USED FOR DESIGNATED TEMPORARY CONSTRUCTION ACCESS AND STOCKPILE AREAS.
4. PLACE MATTING ON 6 IN. WOOD CHIP MULCH UNLESS OTHERWISE DIRECTED.
5. FOR HEAVY TRAFFIC AREAS, COVER MATTING WITH STEEL PLATES.

STANDARD SYMBOL

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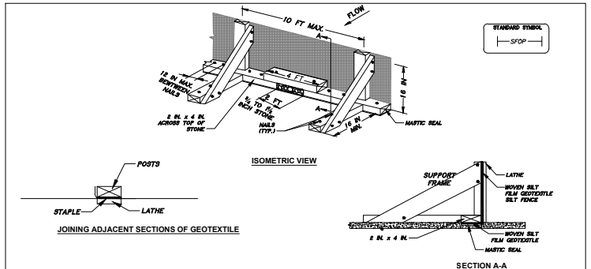
TREE ROOT PROTECTION
WITH SILT FENCE

DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT

DWG. NO 903.2

SOURCE: URBAN TREE FOUNDATION 2014



ISOMETRIC VIEW

JOINING ADJACENT SECTIONS OF GEOTEXTILE

SECTION A-A

CONSTRUCTION SPECIFICATIONS

1. USE NOMINAL 2 INCH BY 4 INCH LUMBER.
2. USE WOVEN SLIT FILM GEOTEXTILE, AS SPECIFIED IN APPENDIX A.
3. SPACE UPRIGHT SUPPORTS NO MORE THAN 10 FEET APART.
4. PROVIDE A 2-FOOT OPENING BETWEEN EVERY SET OF SUPPORTS AND PLACE STONE IN THE OPENING OVER GEOTEXTILE.
5. KEEP SILT FENCE TAUT AND SECURELY STAPLE TO THE UPSLOPE SIDE OF UPRIGHT SUPPORTS. EXTEND GEOTEXTILE UNDER 2x4.
6. WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN – OVERLAP, FOLD, AND STAPLE TO POST IN ACCORDANCE WITH THIS DETAIL. ATTACH LATHE.
7. PROVIDE A MASTIC SEAL BETWEEN PAVEMENT, GEOTEXTILE, AND 2x4 TO PREVENT SEDIMENT-LADEN WATER FROM ESCAPING BENEATH SILT FENCE INSTALLATION.
8. SECURE BOARDS TO PAVEMENT WITH 400 5-INCH MINIMUM LENGTH NAILS.
9. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN SILT FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. MAINTAIN WATER TIGHT SEAL ALONG BOTTOM. REPLACE STONE IF DISPLACED.

STANDARD SYMBOL SOF

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SILT FENCE ON PAVEMENT

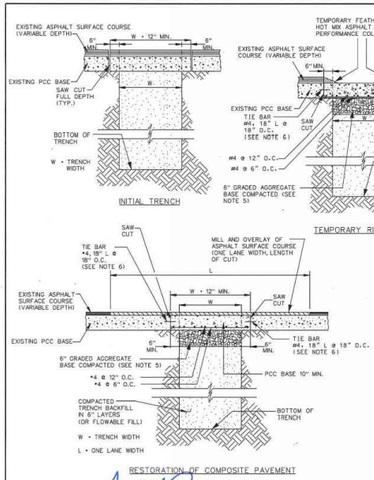
DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT

DWG. NO 310.1

SOURCE: 2011 MARYLAND STANDARDS & SPECIFICATIONS

NOTE:
REFER TO THE 2017 DOEE EROSION AND SEDIMENT CONTROL MANUAL FOR ADDITIONAL CONSTRUCTION SPECIFICATIONS FOR EACH ESC MEASURE.

EROSION AND SEDIMENT CONTROL DETAILS



NOTES:

1. RESTORATION SAW CUT SHALL BE PARALLEL TO THE ROADWAY LONGITUDINAL JOINT.
2. IF SAW CUT IS WITHIN 2 FT. OF A JOINT IN THE PCC BASE, CUT SHALL BE EXTENDED TO THE JOINT. REPAIR/RESTORATION SHALL EXTEND TO THAT JOINT.
3. IF THE UTILITY CUT IS DIAGONAL, THE CONTRACTOR MUST REPLACE THE PCC BASE SLAB(S) THROUGH WHICH THE CUT RUNS FROM JOINT TO JOINT.
4. SEE DDOT STANDARD SPECIFICATIONS, SECTION 215, FOR ADDITIONAL REQUIREMENTS.
5. SEE DDOT STANDARD SPECIFICATIONS, SECTION 804.04, FOR MATERIAL REQUIREMENTS.
6. TIE BAR SHOULD BE EMBEDDED 6" INTO EXISTING CONCRETE.
7. STEEL PLATES SHALL BE PLACED OVER NEWLY PLACED PCC BASE UNTIL IT IS CURED (SEE DDOT STANDARD SPECIFICATIONS SECTION 612.19). AFTER THE NEW BASE IS CURED, THE TRENCH EDGES SHALL BE TEMPORARILY FEATHERED UNTIL THE NEW ASPHALT SURFACE IS PLACED.
8. ALL EXPOSED EDGES OF EXISTING ASPHALT AND SURFACE OF CONCRETE BASE SHALL BE PRIMED BEFORE ASPHALT MIXTURE IS PLACED.
9. CLEAN AND WET EDGES OF CUTS BEFORE PLACING CONCRETE. COMPACT AND DAMPEN SUBGRADE BEFORE PLACING BAR.
10. THE CONCRETE BASE SHALL BE SAW CUT AT THE EXISTING PCC BASE CONTRACTION JOINTS FROM 4 TO 24 HOURS AFTER PLACEMENT OF CONCRETE TO PREVENT SHRINKAGE CRACKING.
11. THE CONTRACTOR SHALL RESTORE THE PERMANENT PAVEMENT MARKINGS AFFECTED FROM THE UTILITY CUTS.

ISSUED: 8/2015 | REVISION | APPROVAL

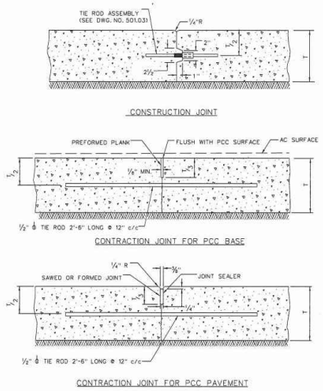
RECOMMENDED: PROJECT MANAGER

APPROVED: Mohammed Khalid, CHIEF ENGINEER

COMPOSITE PAVEMENT RESTORATION UTILITY LINES - 1

d. DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION

DWG. NO. 215.01



ISSUED: 8/2015 | REVISION | APPROVAL

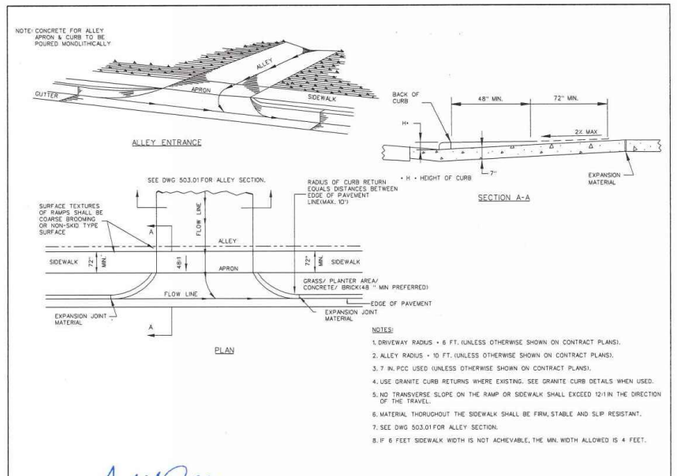
RECOMMENDED: PROJECT MANAGER

APPROVED: Mohammed Khalid, CHIEF ENGINEER

LONGITUDINAL CONTRACTION AND CONSTRUCTION JOINTS

d. DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION

DWG. NO. 501.04



NOTES:

1. DRIVEWAY RADIUS = 6 FT. (UNLESS OTHERWISE SHOWN ON CONTRACT PLANS).
2. ALLEY RADIUS = 10 FT. (UNLESS OTHERWISE SHOWN ON CONTRACT PLANS).
3. 7 IN. PCC USED (UNLESS OTHERWISE SHOWN ON CONTRACT PLANS).
4. USE GRANITE CURB RETURNS WHERE EXISTING. SEE GRANITE CURB DETAILS WHEN USED.
5. NO TRANSVERSE SLOPE ON THE RAMP OR SIDEWALK SHALL EXCEED 12:1 IN THE DIRECTION OF THE TRAVEL.
6. MATERIAL THROUGHOUT THE SIDEWALK SHALL BE FIRM, STABLE AND SLIP RESISTANT.
7. SEE DWG 503.01 FOR ALLEY SECTION.
8. IF 6 FEET SIDEWALK WIDTH IS NOT ACHIEVABLE, THE MIN. WIDTH ALLOWED IS 4 FEET.

ISSUED: 8/2015 | REVISION | APPROVAL

RECOMMENDED: PROJECT MANAGER

APPROVED: Mohammed Khalid, CHIEF ENGINEER

ALLEY-DRIVEWAY ENTRANCE WITH CURB RETURNS TYPE "A"

d. DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION

DWG. NO. 504.01

NOTES:

1. TIE ROD ASSEMBLY TO BE INSTALLED AT 5 IN. OF THE INITIAL POUR.
2. #4 BARS SHALL NOT EXTEND THROUGH THE EXPANSION JOINT.
3. * LOW SIDE = 1 IN. PER FT. TOWARD CURB. * HIGH SIDE = ½ IN. PER FT. AWAY FROM CURB.
4. 6 IN. MIN. DEPTH GRADED AGGREGATE BASE APPLIES TO AREA BENEATH ROADWAY AND CURB AND GUTTER.

ISSUED: 8/2015 | REVISION | APPROVAL

RECOMMENDED: PROJECT MANAGER

APPROVED: Mohammed Khalid, CHIEF ENGINEER

TYPES OF PCC CURB & GUTTER

d. DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION

DWG. NO. 606.01

NOTES:

1. STANDARD TRANSVERSE SLOPE OF SIDEWALK IS 2% TOWARDS CURB.
2. ALL SIDEWALKS SHALL HAVE A MINIMUM WIDTH OF 6 FT. WHEN SEPARATED FROM THE ROADWAY BY A BUFFER STRIP. THE WIDTH OF THE BUFFER STRIP SHOULD BE A MINIMUM OF 4 FT. PREFERABLY 6 FT. FOR TREE SPACE. WHERE UTILITY POLES, SIGN SUPPORTS, FIRE HYDRANTS, TREE BOXES ETC. ARE PROVIDED IN THE SIDEWALK, THE MINIMUM USABLE WIDTH OF SIDEWALK SHALL BE 4 FT. TO ALLOW FOR WHEELCHAIR PASSAGE.
3. WHEN MINIMUM SIDEWALK WIDTH REQUIREMENTS ARE MET, A WIDER TREESPACE SHALL BE PROVIDED IF THE RIGHT-OF-WAY ALLOWS.
4. ANY EXCEPTIONS TO MINIMUM SIDEWALK OR TREESPACE REQUIREMENTS REQUIRE THE ENGINEER'S APPROVAL.
5. PROVIDE, AT A MINIMUM, THE REQUIRED TREE SOIL VOLUME PER DDOT GREEN INFRASTRUCTURE STANDARDS.

ISSUED: 8/2015 | REVISION | APPROVAL

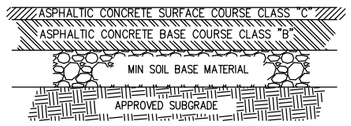
RECOMMENDED: PROJECT MANAGER

APPROVED: Mohammed Khalid, CHIEF ENGINEER

TYPICAL SIDEWALK SECTIONS

d. DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION

DWG. NO. 605.01



NOTE:

ASPHALT AND SOIL BASE MATERIALS SHALL CONFORM TO THE REFERENCED PARAGRAPHS AND TABLES OF THE DC DEPARTMENT OF HIGHWAYS AND TRAFFIC STANDARDS AND SPECIFICATIONS FOR HIGHWAYS AND STRUCTURES LATEST EDITION AND SUPPLEMENTS.

RECOMMENDED PAVEMENT SECTIONS	
RECOMMENDED PAVEMENT SECTIONS	
BITUMINOUS CONCRETE SURFACE COURSE	1.5
BITUMINOUS CONCRETE BASE COURSE	2.5
SOIL BASE MATERIALS	8.0

NEW ASPHALT PAVEMENT

(NOT TO SCALE)

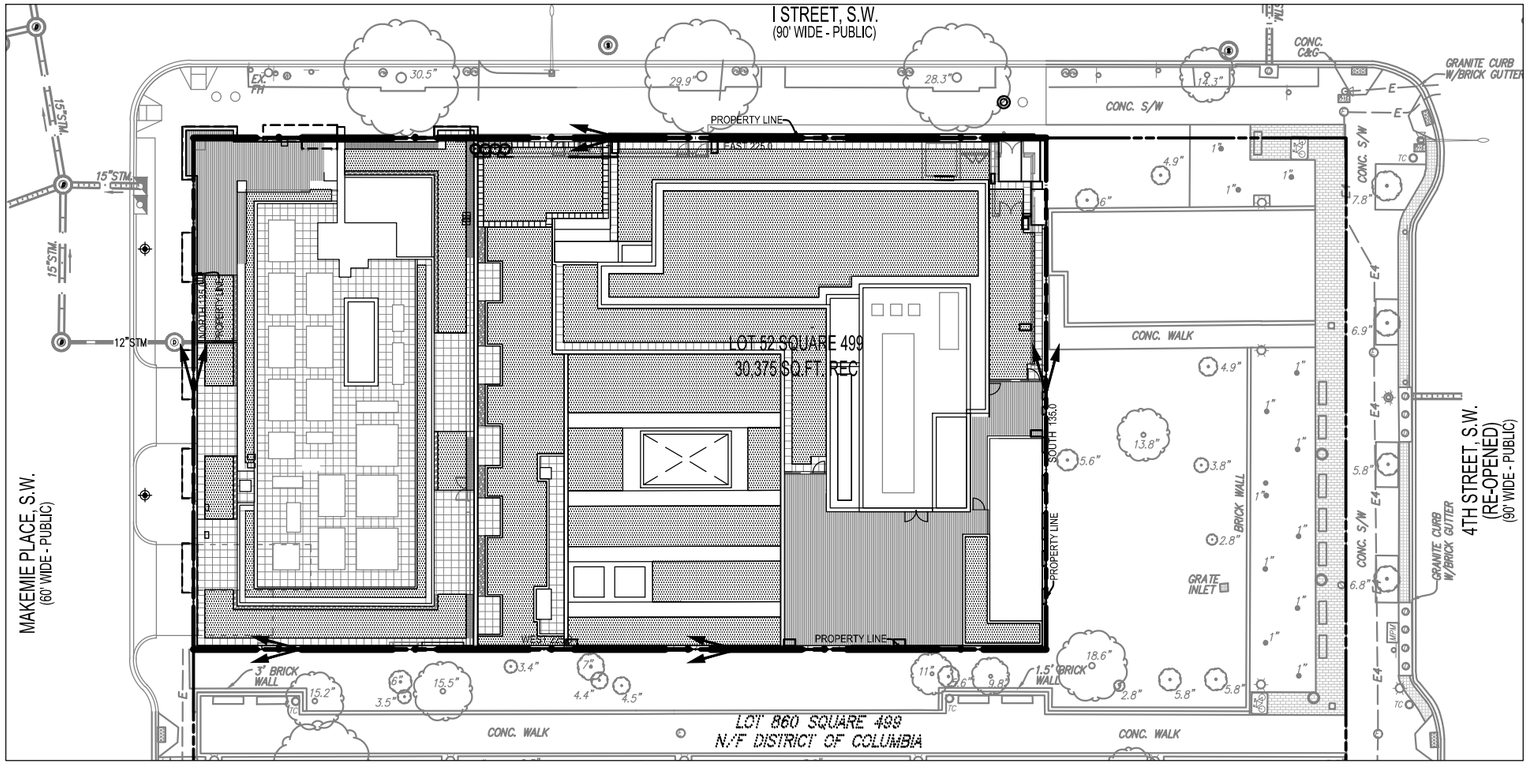
SITE DETAILS

KGD architecture | WESTMINSTER PRESBYTERIAN CHURCH DC | DP DANTES PARTNERS | BOZZUTO

WESTMINSTER CHURCH LIVING
400 I STREET SW, WASHINGTON DC

PUD & ZONING MAP AMENDMENT APPLICATION
MAY 22, 2020

CIV0503



LEGEND:

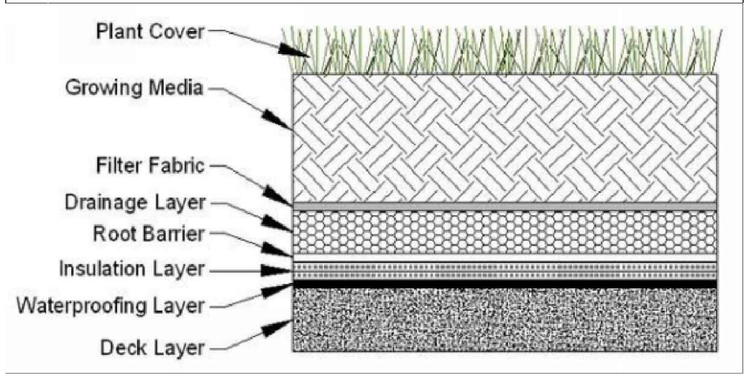
INTENSIVE GREEN ROOF

SITE DRAINAGE AREA

GREEN ROOF NOTE:

FERTILIZER IS NOT RECOMMENDED. IF APPLIED, THE FERTILIZER MUST BE A SLOW RELEASE TYPE, RATHER THAN LIQUID OR GASEOUS FORM.

GREEN ROOF DETAIL (TYPICAL):



STORMWATER MANAGEMENT NARRATIVE:

THE PROJECT WILL BE UNDER THE 2013 STORMWATER MANAGEMENT REQUIREMENTS PER THE DEPARTMENT OF ENERGY AND ENVIRONMENT. THIS WILL BE A MAJOR LAND DISTURBING ACTIVITY WITHIN THE AWDZ, THEREFORE, THE SITE WILL RETAIN 1.7" OF RAINFALL. THIS SITE IS EXEMPT FROM 2 YEAR DETENTION REQUIREMENTS. STORMWATER MANAGEMENT BEST MANAGEMENT PRACTICES (BMPS) WILL BE USED TO MEET THE RETENTION AND 15 YEAR DETENTION REQUIREMENTS.

INITIAL STORMWATER MANAGEMENT ANALYSIS

400 I (Eye) Street SW

TOTAL SITE AREA:		30,375 SF
	Impervious Area	30,375 SF
	BMP Area	0 SF
	Compacted Cover	0 SF
TOTAL RETENTION VOLUME REQUIRED:		**2,886 CF**
TOTAL 15 YR DETENTION VOLUME REQUIRED:		**2,715 CF**

THIS SITE IS EXEMPT FROM 2 YEAR DETENTION REQUIREMENTS SINCE IT:

1) DISCHARGES THROUGH THE SEPARATE SEWER SYSTEM TO THE WASHINGTON CHANNEL
2) DOES NOT FLOW INTO OR THROUGH A TRIBUTARY THAT RUNS ABOVE GROUND OR THAT DOEE EXPECTS TO BE DAYLIGHTED TO RUN ABOVE GROUND
3) WILL NOT CAUSE EROSION OF LAND OR TRANSPORT OF SEDIMENT

NOTE:

"NO PERMITTED STORM WATER BMP IS COMPLETE UNTIL FINAL INSPECTION HAS BEEN CONDUCTED AND AN AS-BUILT PLAN HAS BEEN SUBMITTED TO THE DOEE WITHIN 21 DAYS AFTER FINAL INSPECTION FOR REVIEW AND APPROVAL."

40' 20' 0 40' 80'

1' = 40'

STORMWATER MANAGEMENT PLAN