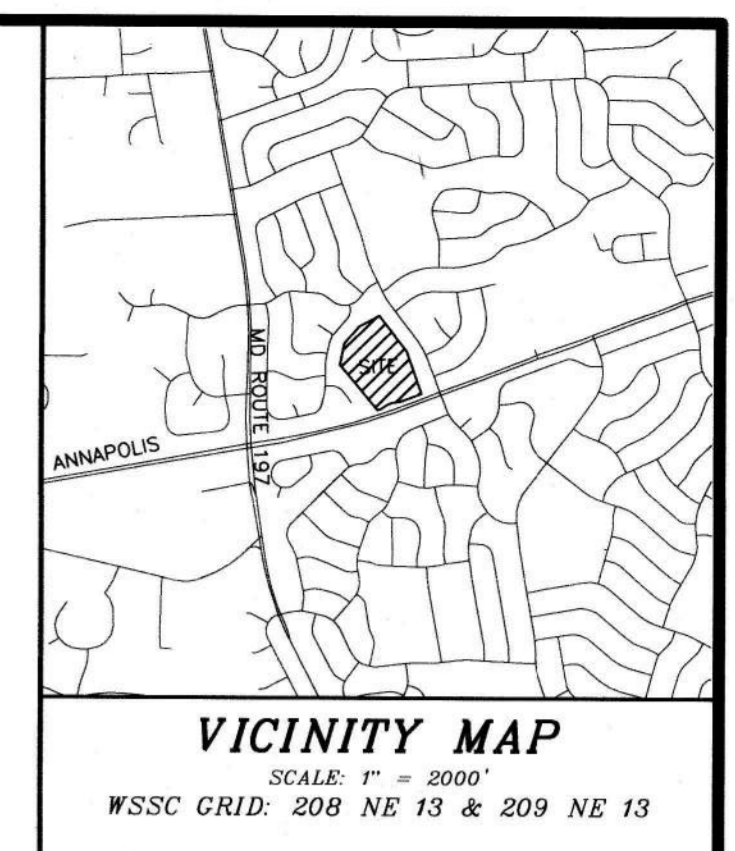




GENERAL STORM DRAIN AND STORMWATER MANAGEMENT NOTES

- All storm drain shall be constructed in accordance with the latest edition of the general conditions and standard specifications of the City of Bowie Department of Public Works, Washington Suburban Sanitary Commission, and Maryland State Highway Administration. For bedding specifications, refer to standard details R-70 type 'D' of the City of Bowie Department of Public Works, unless otherwise shown.
- Thickness of the granular bedding for all the private storm drain pipes shall be in accordance with the City of Bowie Department of Public Works standard details R-70 type 'D', unless otherwise determined by the Geotechnical Engineer at the time of construction and/or per the manufacturer's recommendation.
- Type of structure refers to the latest Standard Storm Drain Details of The Prince George's County Department of Environmental Resources, unless otherwise noted.
- Information concerning underground utilities was obtained from available records, but the contractor must determine the exact location and elevation of the mains by digging test pits by hand at all utility crossings well in advance of trenching. If clearances are less than shown on this plan or twelve (12) inches, whichever is less, contact Atwell, LLC.
- The installation of the private storm drain system must be inspected by a Registered Professional Engineer. The contractor shall notify the inspecting engineer 48 hours prior to commencing work and shall not backfill any private storm drain pipe prior to its inspection.
- The installation of the stormwater management facility shall be inspected by the City of Bowie Department of Public Works according to Notice of Required Stormwater Management Inspections at (301) 262-6200.
- Remove all unsuitable material and backfill with compacted bank run gravel to provide firm bearing for storm drain pipe. (See Prince George's County DER STD SD 130.0 for further details.)
- All inlets with throat openings must have the sign "Chesapeake Bay Watershed" and "Don't Dump". If you have specific questions, please call Department of Permitting, Inspections and Enforcement at (301) 883-6191.
- Call "Miss Utility" at 1-800-257-7777 forty-eight (48) hours prior to beginning excavation to determine the location of existing facilities.
- The "Miss Utility" Verification Number (ticket number) must be updated every ten (10) days.
- Any damage to underground utilities and existing structures is the responsibility of the contractor.
- During water, sewer, stormwater management, and storm drain construction, inspections are required in accordance with the approved plans and codes.
- Upon completion of the work, site grading, drainage, property corner and landscape observations and certifications must be performed by a licensed professional, confirming that all work has been completed in accordance with the permit, approved plans, and codes. These certifications are required to finalize the permit and release bonds.
- All grades, elevations, earth quantities, etc., are to be verified by the contractor. Any earth quantities shown or implied are measured to final grades and are approximate. No allowance has been made for unsuitable material encountered during construction. Suitability of soil for use in fill areas or stability of cut areas, compaction, etc., should be determined by a soils engineer.
- The contractor will have sole responsibility for the construction means, methods, and techniques of executing his work, including safety.
- All RCP storm drain pipes must have a minimum cover of 1-foot.
- All HDPE and PVC must have a minimum cover of 2-feet.



LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- LIMIT OF DISTURBANCE
- PROPOSED FLOW ARROW
- PROPOSED CONCRETE PAVING
- PROPOSED DOOR LOCATIONS
- PROPOSED FIRE HYDRANT
- EXISTING SEWER
- EXISTING WATER
- EXISTING STORM DRAIN
- EXISTING CURB & GUTTER
- PROPOSED CURB & GUTTER
- EXISTING FIBER OPTIC
- EXISTING UNDERGROUND UTILITY
- EXISTING UNDERGROUND ELECTRIC
- EXISTING OVERHEAD UTILITY
- DRAINAGE DIVIDE
- FLOW PATH
- PROPERTY BOUNDARY

THE CONTRACTOR SHALL NOTIFY MISS UTILITY 1-800-257-7777, FORTY EIGHT (48) HOURS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS.

Stormwater Management Fee-In-Lieu Summary

Total New Impervious Area (SF): 5,245
 Water Quality Fee-In-Lieu = \$1.00/SF x (5,245) = \$5,245
 Quantity Management Fee-In-Lieu=\$1.00/SF x (5,245) = \$5,245
 Total Fee-In-Lieu = \$10,490

CONSTRUCTION NOTES

- MEET EXISTING LINE AND AT GRADE.
- REMOVE EXISTING CONCRETE WALK.
- 12" NYLOPLAST DRAIN BASIN WITH SOLID COVER PER DETAILS.

UTILITY CERTIFICATION I HEREBY CERTIFY THAT THE EXISTING AND/OR PROPOSED UNDERGROUND UTILITY INFORMATION SHOWN HEREON HAS BEEN CORRECTLY DUPLICATED FROM UTILITY COMPANY RECORDS, FURTHER, THAT THIS PROJECT HAS BEEN CAREFULLY COORDINATED WITH EACH INVOLVED UTILITY COMPANY, AND ALL AVAILABLE UNDERGROUND UTILITY INFORMATION RELATIVE TO THIS PLAN HAS BEEN SOLICITED FROM THEM.

Date: 2024.03.15
 11:50:03 -04'00"
 MORGAN M. WALUBITA ATWELL, LLC
 MD REGISTRATION NO. 34788
 EXPIRATION DATE: 10/23/25

STABILIZATION PRACTICES ON ALL PROJECTS MUST BE IN COMPLIANCE WITH THE REQUIREMENTS OF COMAR 26.17.08.3 REGULATIONS BY JANUARY 9, 2013, REGARDLESS OF WHEN AN EROSION AND SEDIMENT CONTROL PLAN WAS APPROVED.

- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN:
- THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND
 - SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.

FIELD VERIFICATION CERTIFICATION

I CERTIFY THAT I COMPLETED A FIELD VERIFICATION ON 10/26/2022 AND THAT THE INFORMATION SHOWN ON THE PLANS IS IN AGREEMENT WITH THE ACTUAL FIELD CONDITIONS.

MORGAN M. WALUBITA, P.E.
 PRINTED NAME Date: 2024.03.15
 SIGNED 11:50:14 -04'00" DATE

CITY OF BOWIE
 FOR STORMWATER MANAGEMENT PLANS

ENGINEER'S CERTIFICATION

I certify that these plans were prepared under my direct supervision and represent practicable and workable plans based on my personal knowledge of the site. The entire watershed draining through the site has been considered in the design, based on the information compiled from field survey conducted by ATWELL, LLC, dated 10/26/2022. These plans meet with stormwater management design requirements provided by City Ordinance Chapter 21-B and the latest edition of City standards and specifications and comply with SCD and MDE requirements.

Signature: MORGAN M. WALUBITA, P.E. Date: 2024.03.15
 11:49:50 -04'00" MD Reg. No.: 34788

OWNER'S CERTIFICATION

I certify that, in addition to meeting all requirements of the Bowie City Code and standards, I will obtain all applicable federal, state, county, and local permits and approvals required before beginning any land disturbing activities. All clearing, grading, construction and development will be done strictly according to the plans approved by the City.

Signature: Fr. Michael Jones Date: 1/6/24
 Name: Fr. Michael Jones

DATE	NO.	REVISION

CITY OF BOWIE, MARYLAND

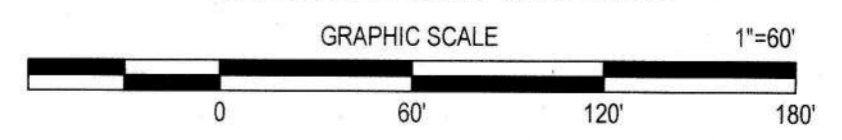
THIS PLAN HAS BEEN REVIEWED AND APPROVED FOR GENERAL CONFORMANCE WITH PROVISIONS OF THE CITY CODE. APPROVAL THEREOF DOES NOT RELIEVE THE DEVELOPER OF ANY REQUIRED PROVISIONS OF THE CODE OR STANDARDS.

CITY MANAGER
 PLANNING DIRECTOR
 COMMUNITY SERVICES DIRECTOR

OWNER / DEVELOPER
 ST PIUS X
 3300 MORELAND PL BOWIE, MD 20715
 FATHER MICHAEL JONES
 (301) 262-2141

STORM DRAIN AND STORMWATER MANAGEMENT PLAN

PARCEL "C"
ST. PIUS X CHURCH
 DISTRICT No. # 14
 PRINCE GEORGE'S COUNTY, MARYLAND



CERTIFICATION OF COMPLIANCE

I HEREBY CERTIFY THAT THESE PLANS REPRESENT A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE, AND THAT THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE PRINCE GEORGE'S COUNTY SWM DESIGN MANUAL AND THE RELATED COUNTY PERMITS.

Signature: Date: 2024.03.15
 11:50:32 -04'00" DATE

SUBTITLE 32, DIVISION 2 CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN CONFORMS TO THE REQUIREMENTS OF SUBTITLE 32, DIVISION 2 OF THE CODE OF PRINCE GEORGE'S COUNTY WATER RESOURCES PROTECTION AND GRADING CODE AND THAT I OR MY STAFF HAVE INSPECTED THIS SITE AND THAT DRAINAGE FLOWS FROM UPHILL PROPERTIES ONTO THIS SITE, AND FROM THIS SITE ONTO DOWNHILL PROPERTIES, HAVE BEEN ADDRESSED IN SUBSTANTIAL ACCORDANCE WITH APPLICABLE CODES.

Signature: Date: 2024.03.15
 11:50:23 -04'00"

CALL MISS UTILITY
 1-800-257-7777
 48 hrs, Before Excavation

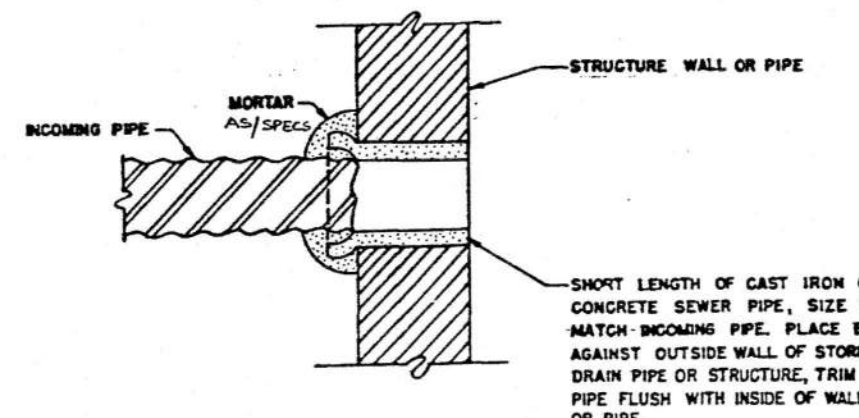
APPLICANT
 St Pius X
 3300 Moreland Place
 Bowie, MD, 20715
 ATTN: Father Michael Jones
 PHONE: (301) 262-2141
 EMAIL: pastor@spxbowie.org

OWNER
 Roman Catholic Archdiocese of Washington
 1727 R I Ave NW
 Washington, DC 20006
 ATTN: Father Michael Jones
 PHONE: (301) 262-2141
 EMAIL: pastor@spxbowie.org

SHEET 1 OF 3 (FOR SHEETS 1 THRU 3, REFER TO ATWELL DWG No'S REFER TO BDAI DWG No'S 8.002-Y THRU 8.004-Y)

ATWELL
 866.850.4200 www.atwell-group.com
 11721 WOODMOORE RD, SUITE 200
 MITCHELLVILLE, MD 20712
 801.682.9900

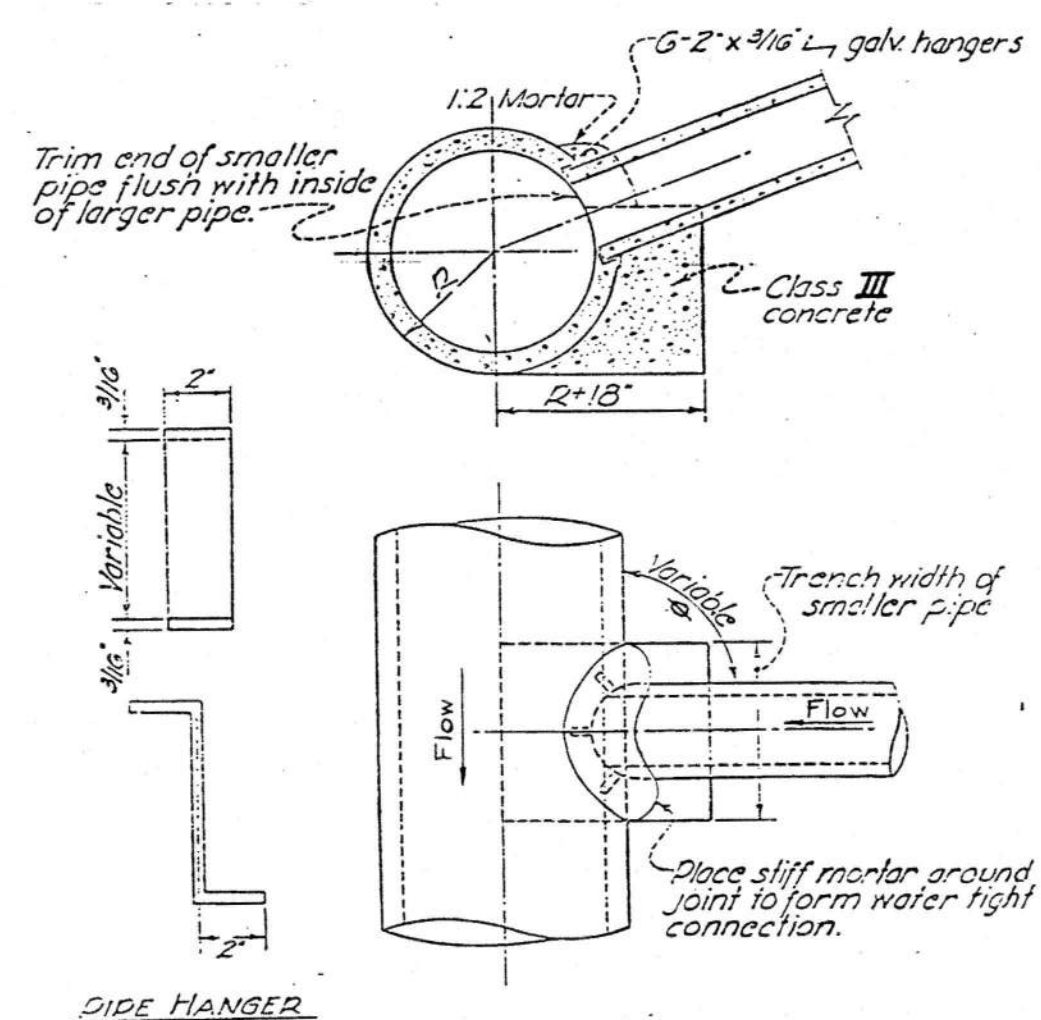
DATE: OCTOBER 2023
 DESCRIPTION: REVISIONS
 BY: MMW
 SCALE: 1"=60'
 RECORD NO.: A-84071
 8.002



NOTE: A RECORD SHALL BE KEPT OF ALL SUCH PROPOSED CONNECTIONS TO THE APPROVED SYSTEM, AND REPORTED TO THE DEPT. OF PUBLIC WORKS BEFORE ACTUAL INSTALLATION.

REVISED DATE	BY	CITY OF BOWIE DEPARTMENT OF PUBLIC WORKS	UNDERDRAIN & YARD DRAIN CONNECTION DETAIL	STANDARD R-39
	APPROVED	<i>[Signature]</i>		
		DIRECTOR	CITY MANAGER	

The minimum diameter of larger pipe shall be 36"
 ϕ = Maximum 90° in the direction of flow



REVISED DATE	BY	CITY OF BOWIE DEPARTMENT OF PUBLIC WORKS	FIELD CONNECTION OF PIPES	STANDARD R-64
	APPROVED	<i>[Signature]</i>		
		DIRECTOR	CITY MANAGER	

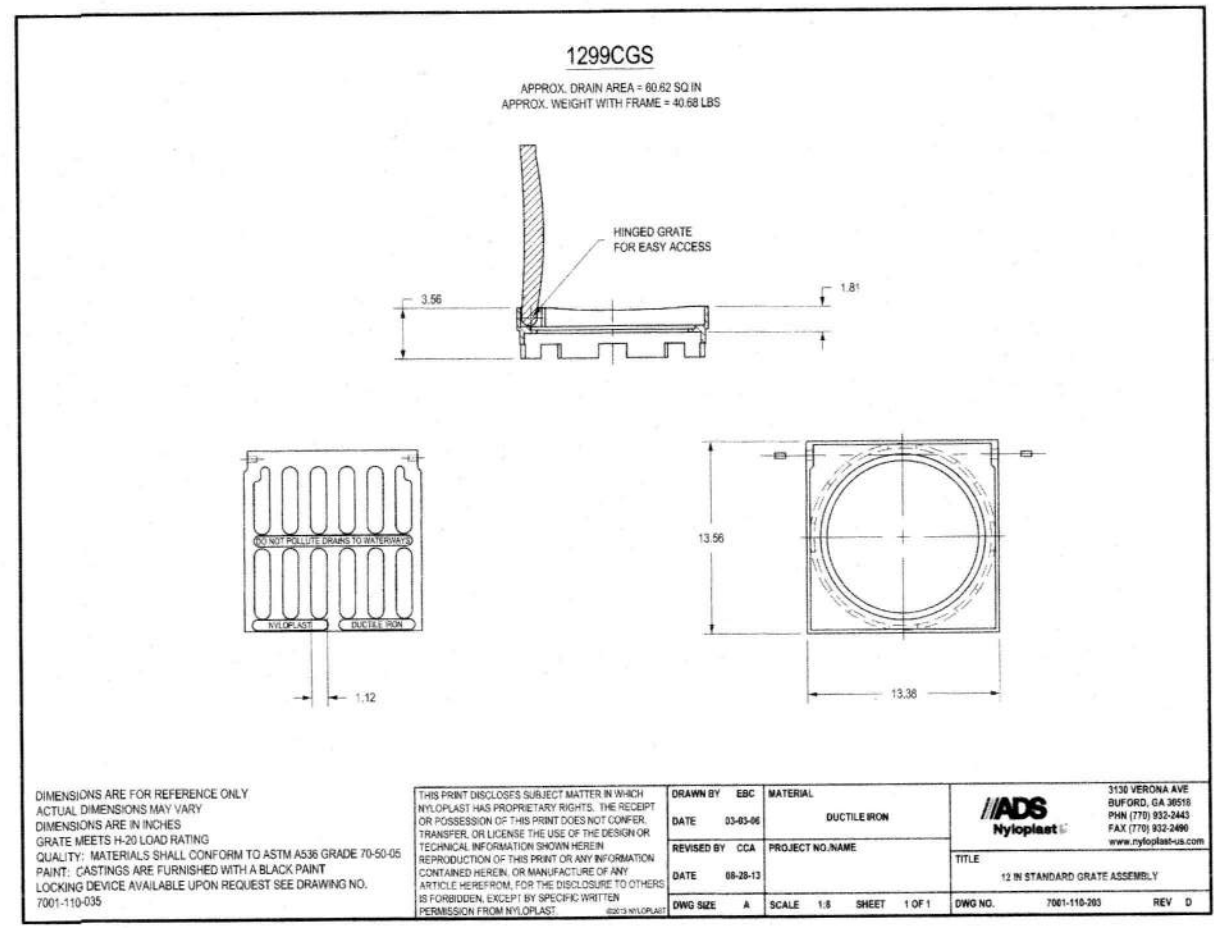
CITY OF BOWIE GENERAL NOTES

- All stormwater management, storm drain pavements and related structures shall be constructed in accordance with the latest edition of the general specification of the City of Bowie.
- For types of structures, refer to the Standard Storm Drainage and Road Details of the City of Bowie or the Maryland State Highway Administration's book of standards unless otherwise noted and shown in the details.
- All storm drain construction shown on this plan is to be maintained by the owner.
- All information concerning underground utilities was obtained from available records, but the contractor must determine the exact location and elevations of the utilities by digging test pits by hand at all utility crossings, well in advance of trenching. If clearances are less than shown on this plan or twelve (12) inches, which ever is less, contact the City of Bowie Manager before proceeding with construction.
- The contractor shall take all necessary precautions to protect the existing utilities and maintain uninterrupted services. Any damage incurred due to contractor's operation shall be repaired immediately at contractor's expense.
- The contractor shall notify the following utilities at least 72 hours before starting any work on these drawings:
 - Mass Utility: 1-800-257-7777
 - Verizon Telephone: 1-800-495-2211
 - Baltimore Gas and Electric Co.: 301-596-1420
 - P.G. County Bureau of Utilities: (insert ph.)
 - P.G. County Construction / Inspection Survey Division: (insert ph.)
 - Potomac Electric Power Co.: 301-559-0100
 - Washington Gas Light Co.: 301-559-0100
 - Prime Cable: (insert ph.)
 - City of Bowie Construction / Inspection Division: 301-809-2336
 - Any other Utility Co. in the area: (insert ph.)
- All street curb returns shall have a radii of:
 - 25 foot residential
 - 50 foot commercial on local roads, 75 foot on major collector.
- All backfill and any other fill within roadway and under structures shall be compacted to a minimum of 95% compaction of proctor value (ASTM D 1557) in accordance with City of Bowie Standards.
- Installation of traffic control devices, markings and signs shall be in accordance with the manual of uniform traffic control devices, latest edition.

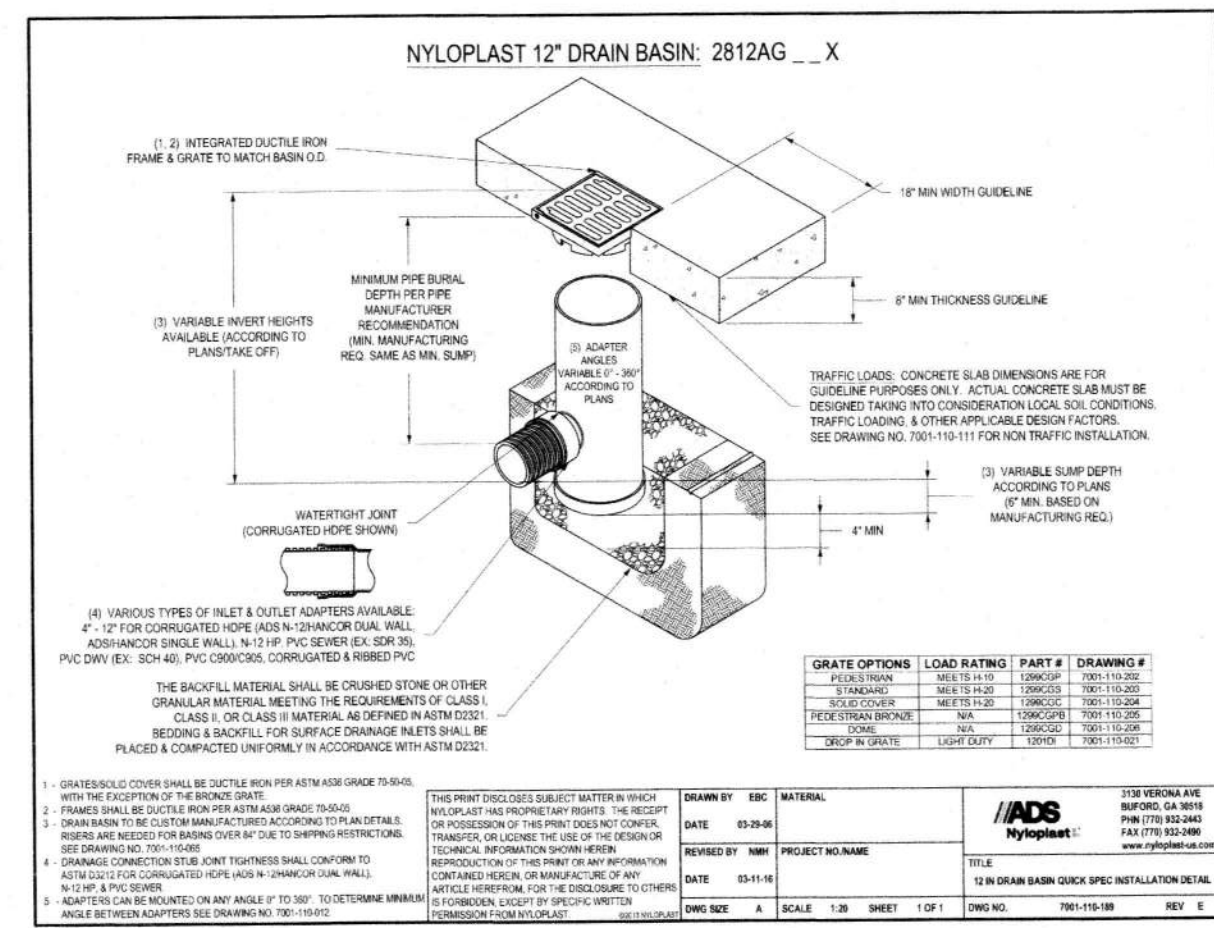
CITY OF BOWIE GENERAL NOTES FOR THE ELECTRICAL CONSTRUCTION

- All electrical installations and related work shall be constructed in accordance with the latest edition of the general specification of the City of Bowie.
- Information concerning underground utilities was obtained from available records, but the contractor must determine the exact location and elevations of the utilities by digging test pits by hand at all utility crossings, well in advance of trenching. If clearances are less than shown on this plan or twelve (12) inches, which ever is less, contact the City of Bowie Manager before proceeding with construction.
- The contractor must obtain a complete set of existing and proposed site utility drawings and become completely familiar with the drawings before starting his work.
- The contractor shall take all necessary precautions to protect the existing utilities and maintain uninterrupted services. Any damage incurred due to contractor's operation shall be repaired immediately at contractor's expense.
- The contractor shall notify the following utilities at least 72 hours before starting any work on these drawings:
 - Mass Utility: 1-800-257-7777
 - Verizon Telephone: 1-800-495-2211
 - Baltimore Gas and Electric Co.: 301-596-1420
 - P.G. County Bureau of Utilities: (insert ph.)
 - P.G. County Construction / Inspection Survey Division: (insert ph.)
 - Potomac Electric Power Co.: 301-559-0100
 - Washington Gas Light Co.: 301-559-0100
 - Prime Cable: (insert ph.)
 - City of Bowie Construction / Inspection Division: 301-809-2336
 - Any other Utility Co. in the area: (insert ph.)
- All electrical trench backfill and any other fill within roadway and under structures shall be compacted to a minimum of 95% compaction of proctor value in accordance with City of Bowie Standards.
- Any electrical fixture or cable shall not be installed by the contractor until each material has been approved by the City Inspector in the field.
- All unpaired areas within the limits of disturbance shall be sodded and seeded.
- No work in public right of way shall be done unless all the required permits are obtained.
- Add all other notes pertinent to electrical codes and installation and related to any specific problem concerning the project.

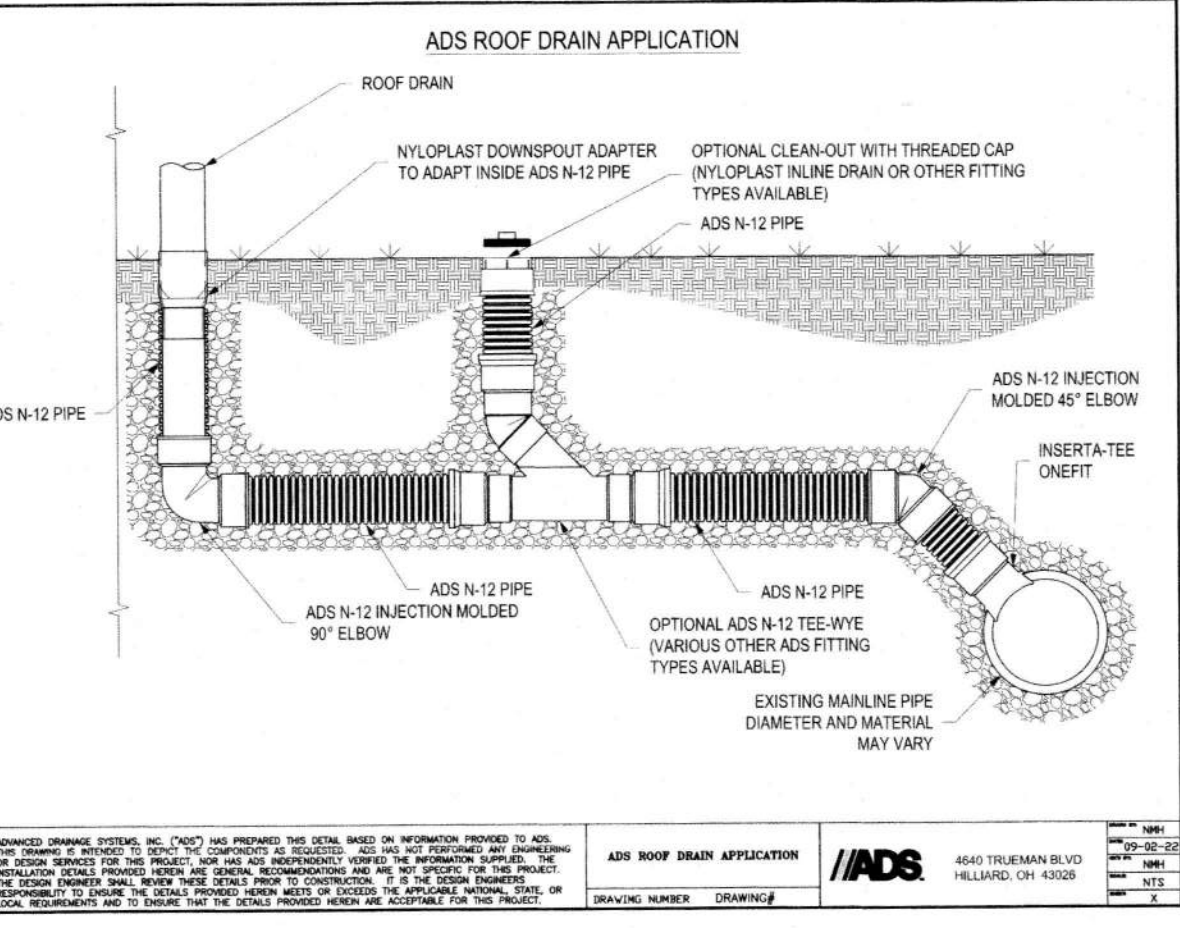
City of Bowie Forms & Specifications



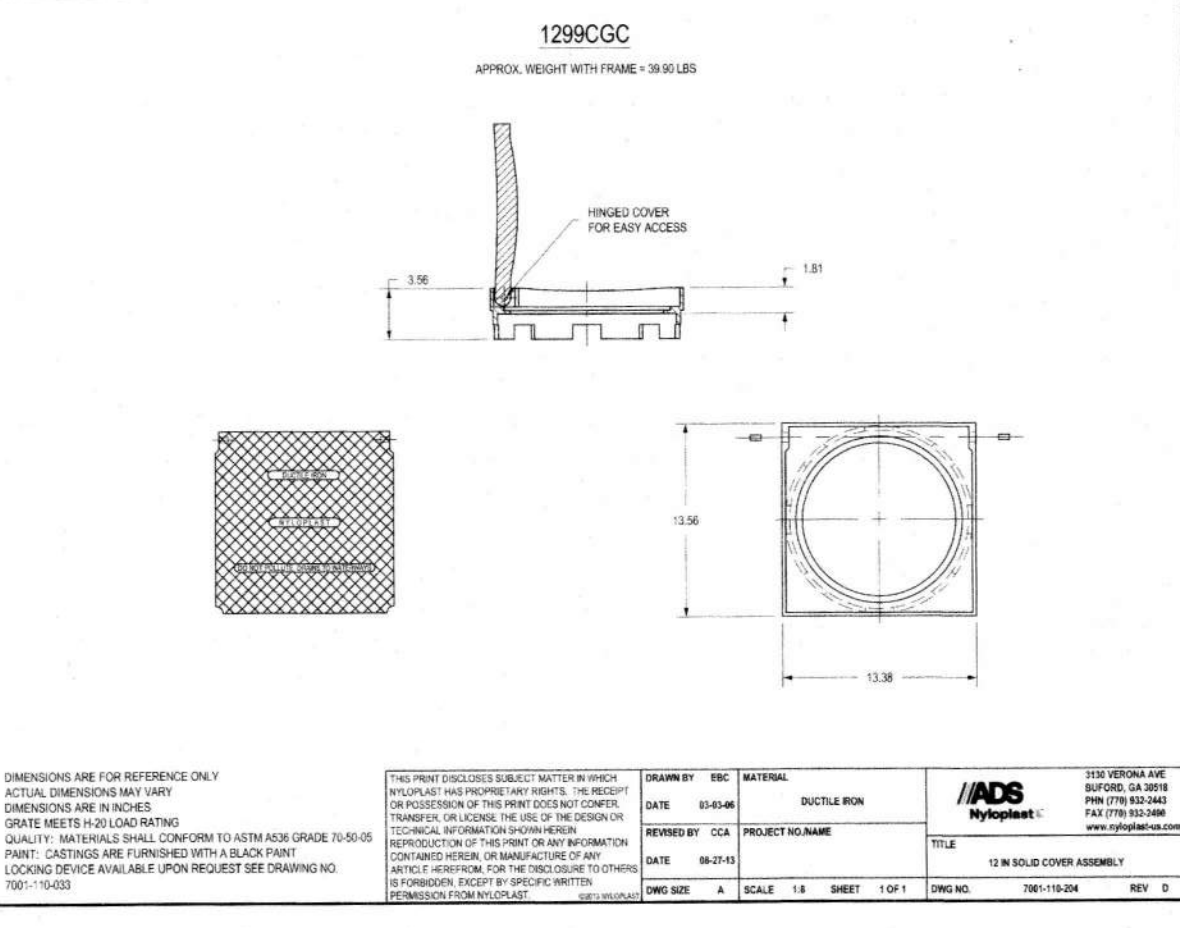
DATE	NO.	REVISION



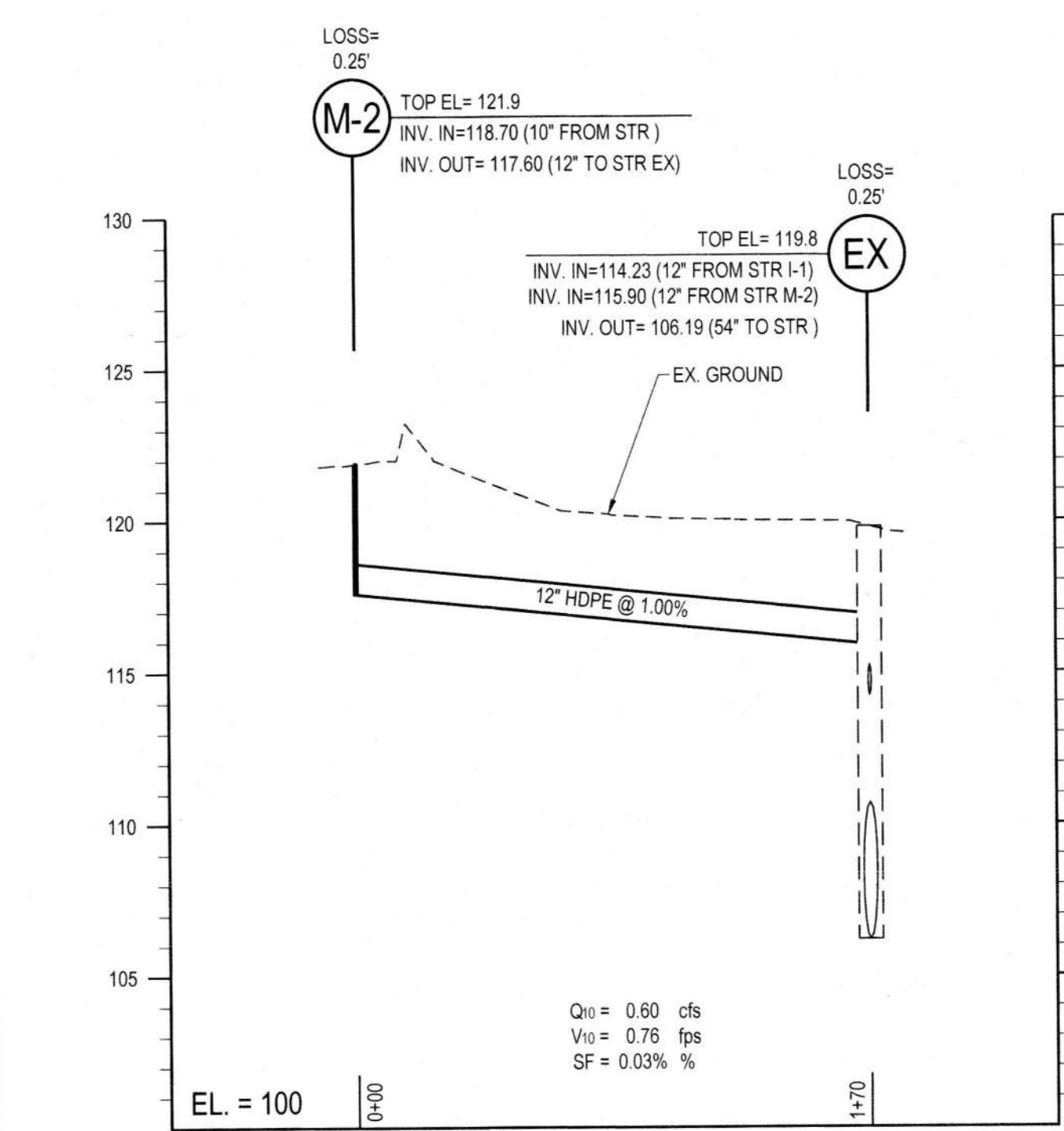
DATE	NO.	REVISION



DATE	NO.	REVISION



DATE	NO.	REVISION



PROFILE SCALE
 HORZ: 1"=50'
 VERT: 1"=5'

STRUCTURE SCHEDULE							
NOTES No.	TYPE	WIDTH / DIA.	INV. ELEV.	AS BUILT		STANDARD DETAIL	
				TOP ELEV.	AS BUILT TOP ELEV.	UPPER	LOWER
M-2	NYLOPLAST	12"	117.60	121.90			NYLOPLAST 7001-110-189 & 7001-110-204 OR APPROVED EQUAL

PRIVATE PIPE SUMMARY			
SIZE	MATERIAL	LENGTH	AS BUILT LENGTH
12"	HDPE	170'	
TOTAL:		170'	

HDPE = HIGH DENSITY POLYETHYLENE PIPE. ALL HDPE PIPE SHALL HAVE SMOOTH INTERIOR WALLS (N=0.013 OR BETTER). FOR MORE INFORMATION, CALL (1) HANCOR, INC., 1 (800) 537-9520, EXT. 256; (2) ADS, INC., 1 (800) 537-9554 ALUMINUM COATED STEEL PIPE, TYPE II (AL2CSP) WITH N=0.013 OR BETTER AND REINFORCED CONCRETE.

PRIVATE PIPE SCHEDULE			
FROM	TO	SIZE/MATERIAL	AS BUILT LENGTH
M-2	EX	12" HDPE	170'
TOTAL:			170'

STORM DRAIN AND STORMWATER MANAGEMENT DETAIL SHEET
 PARCEL "C"
ST. PIUS X CHURCH
 DISTRICT No. # 14
 PRINCE GEORGE'S COUNTY, MARYLAND

DATE	NO.	REVISION

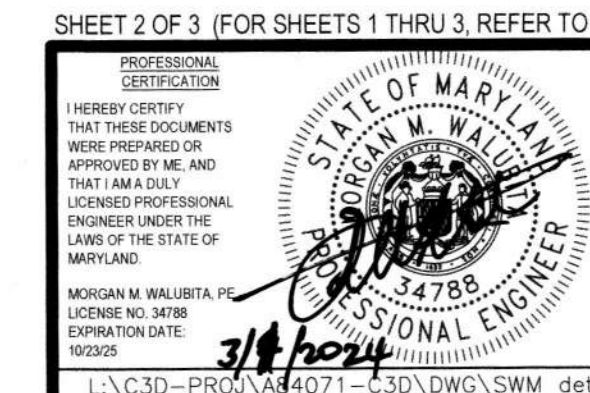
CITY OF BOWIE, MARYLAND

THIS PLAN HAS BEEN REVIEWED AND APPROVED FOR GENERAL CONFORMANCE WITH PROVISIONS OF THE CITY CODE. APPROVAL THEREOF DOES NOT RELIEVE THE DEVELOPER OF ANY REQUIRED PROVISIONS OF THE CODE OR STANDARDS.

[Signature]
 PUBLIC WORKS DIRECTOR

[Signature]
 CITY ENGINEER

OWNER / DEVELOPER
 ST PIUS X
 3300 MORELAND PL. BOWIE, MD 20715
 FATHER MICHAEL JONES
 (301) 262-2141



DATE	DESCRIPTION	BY	SCALE	RECORD NO.	FORM NO.
	REVISIONS		NOT TO SCALE	A-84071	8.003

L:\C3D-PROJ\A4071-C3D\DWG\SWM detail.dwg, 3/1/2024 9:51:54 AM, ethomas

BIORETENTION MATERIAL AND CONSTRUCTION SPECIFICATIONS

PLANT MATERIALS:

- IF PLANT MATERIALS ARE STOCKPILED ON SITE, ROOT BALLS MUST BE KEPT WET TO ENABLE PLANTS' SURVIVAL PRIOR TO INSTALLATION.
- PLANT INSTALLATION SHOULD BE PLANNED TO MINIMIZE ADDITIONAL SOIL COMPACTION BY PERSONS ACCESSING THE BIORETENTION AREA.
- SOD FOR SIDE SLOPES SHALL BE PLACED PRIOR TO FINAL MULCH INSTALLATION.

PLANTING NON-GRASS GROUND COVER:

- THE GROUND COVER PLANTING HOLES SHALL BE DUG THROUGH THE MULCH WITH ONE OF THE FOLLOWING: HAND TROWEL, SHOVEL, BULB PLANTER, OR HOE (THIS DOES NOT APPLY TO GRASSES OR LEGUMES).
- BEFORE PLANTING, BIODEGRADABLE POTS SHALL BE SPLIT, AND NON-BIODEGRADABLE POTS SHALL BE REMOVED. ROOT SYSTEMS OF ALL POTTED PLANTS SHALL BE SPLIT OR CRUMBLED.
- THE GROUND COVER SHALL BE PLANTED TO BE IN CONTACT WITH THE SUBSOIL. PLANTS SHALL BE PLANTED WITH THE ROOT BALL A MINIMUM OF 2" ABOVE THE LEVEL OF THE SOIL MIX AND SOIL MIX IS TO BE MOUNDDED AROUND THE SIDES OF THE ROOT BALL TO PROTECT ROOTS FROM AIR EXPOSURE (SEE HERBACEOUS PLANTING DETAIL).
- NOT MORE THAN 1" OF MULCH SHALL BE SPREAD OVER THE TOP OF THE PLANTS ROOT BALL.
- TREAT THE MULCHED AND PLANTED GROUND COVER BED WITH A PRE-EMERGENT HERBICIDE.
- THE ENTIRE GROUND COVER BED SHALL BE THOROUGHLY WATERED.

FERTILIZATION:

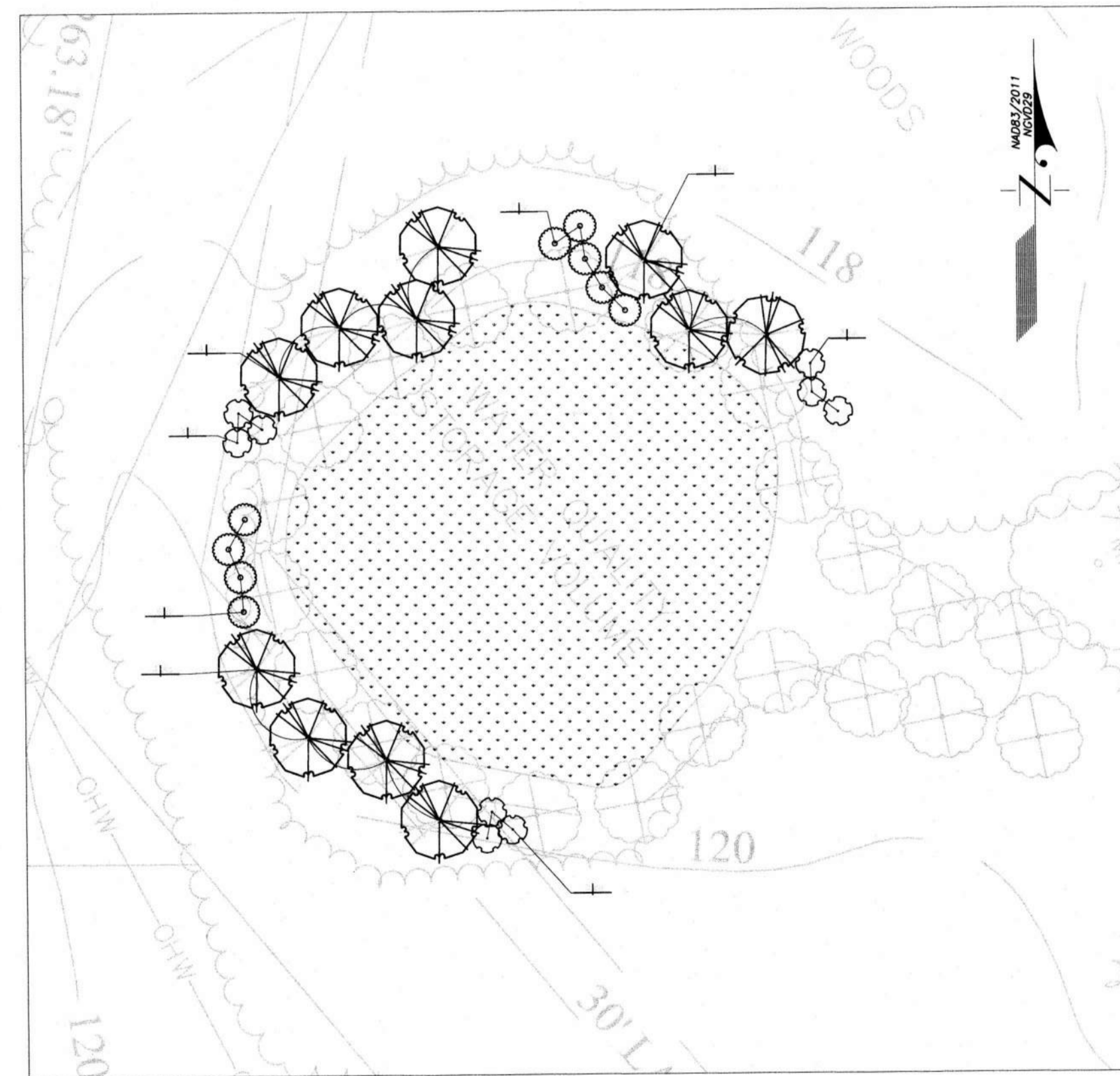
- TREE AND SHRUB FERTILIZER SHALL BE A 21 GM. TIGHTLY COMPRESSED, LONG LASTING, SLOW RELEASE (2 YEAR) FERTILIZER TABLET WITH A MINIMUM GUARANTEED ANALYSIS OF 20-10-5:
 - A. TOTAL NITROGEN (N) - 20%
 - B. WATER SOLUBLE ORGANIC NITROGEN - 7%
 - C. WATER INSOLUBLE ORGANIC NITROGEN - 13%
 - D. AVAILABLE PHOSPHORIC ACID (P2O3) - 10%
 - E. SOLUBLE POTASH (K2O) - 5%
- FOR CONTAINERIZED TREES AND SHRUBS, PLACE THE SPECIFIED FERTILIZER TABLET(S) IN THE BOTTOM OF THE PLANTING PIT ACCORDING TO THE FOLLOWING RATES:
 - A. 1 GAL. CONTAINER 1 EA. 21 GM. TABLETS
 - B. 3 GAL. CONTAINER 2 EA. 21 GM. TABLETS
 - C. 5 GAL. CONTAINER 3 EA. 21 GM. TABLETS
 - D. 7 GAL. CONTAINER 5 EA. 21 GM. TABLETS

MULCH SPECIFICATIONS & INSTALLATION:

- ACCEPTABLE MULCH SHALL BE SHREDDED HARDWOOD ONLY. MULCH MUST BE WELL AGED, UNIFORM IN COLOR, AND FREE OF FOREIGN MATERIAL INCLUDING PLANT MATERIAL. WELL AGED MULCH IS DEFINED AS MULCH THAT HAS BEEN STOCKPILED OR STORED FOR AT LEAST TWELVE (12) MONTHS.
- MULCH SHALL BE PLACED AFTER TREES, SHRUBS, GROUND COVER, SOD, ETC. HAS BEEN INSTALLED. VEGETATION SHOULD BE PROTECTED AND LIFTED TO PLACE MULCH UNDERNEATH AND BETWEEN PLANTINGS.

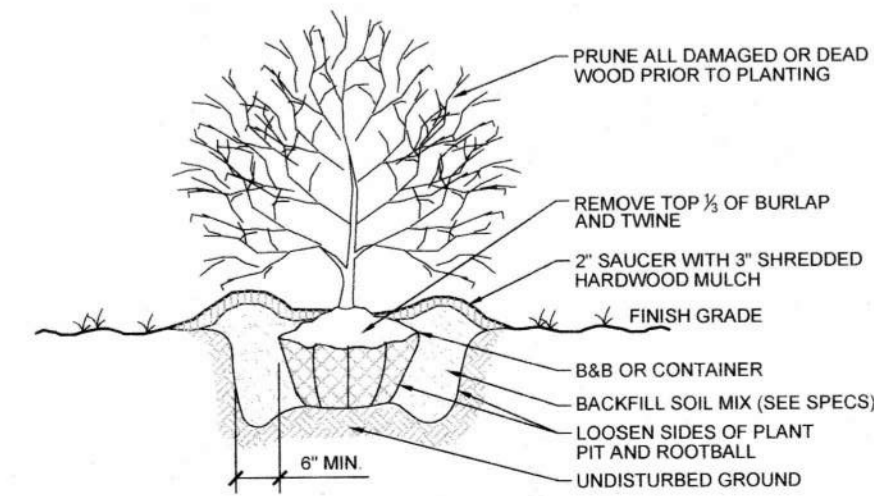
PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	SIZE	QTY	REMARKS
ORNAMENTAL TREES						
	Ac	Amelanchier canadensis	Shadblow Serviceberry	-	11	B&B
SHRUBS						
	ca	Clethra alnifolia 'Ruby Spice'	Ruby Spice Clethra	3 GAL	16	Cont.
	ig	Ilex glabra 'Nigra'	Nigra Inkberry	3 GAL	13	Cont.
	iv	Itea virginica 'Henry's Garnet'	Henry's Garnet Sweetspire	3 GAL	15	Cont.

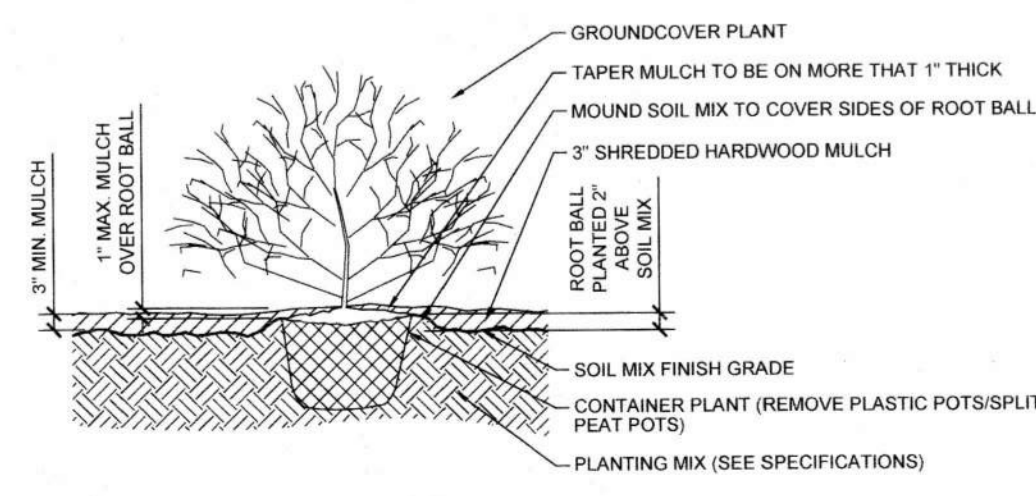


EX. WATER QUALITY POND
SCALE: 1"=20'

SYM.	QUAN.	BOTANICAL/COMMON NAME	CONT.	SPACING	NOTE
	330	Panicum virgatum 'Heavy Metal/Blue Switch Grass	1 gal	36" o.c.	Mixed planting
	335	Carex vulpinoidea/Fox Sedge	#1 cont.	12" o.c.	Mixed planting
	335	Juncus effusus/Soft Rush	plugs	12" o.c.	Mixed planting



SHRUB PLANTING DETAIL
NTS



HERBACEOUS PLANTING DETAIL
NTS

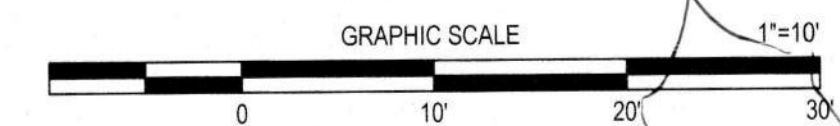
STORMWATER MAINTENANCE SCHEDULE POND

MONTHLY INSPECTION		
Inspection Item	Inspection Requirements	Remedial Action
Debris and Trash	Check for trash and debris in facility including inlets, forebay, riser, weirs, outlets, conveyance systems, and area around facility.	Remove all trash and debris and dispose in an acceptable manner. Unclog all openings.
Vegetative Cover	Check for channelizing, erosion, and bare spots. Check for vegetation blocking inlets and outlet. Check for woody growth on embankment.	Remove or cut back vegetation around inlet and outlet structures. Mow side slopes and basin surface when grass exceeds 12 inches in height. Remove grass clippings. Cut trees with 4 inch or smaller diameter flush to ground. Re-seed or re-plant bare areas in accordance with approved landscaping plans. Contact MDE Sediment, Stormwater, and Dam Safety Plan Review Division regarding removal of trees larger than 4 inch diameter.
SEASONAL INSPECTION AND AFTER A MAJOR STORM		
Inspection Item	Inspection Requirements	Remedial Action
Ponding Level/ Dewatering	Check ponding levels. The dry storage volume should dewater within 24 hours of rainfall (12 hours for Use III and IV watersheds). Check low flow device for clogging.	Returbish low flow device if clogged. Confirm adequate dewatering with follow up inspections.
Erosion	Check inlets, gravel diaphragm, forebay, filter bed, outlets, and side slopes for erosion, rills, gullies, and runoff channelization.	Re-grade if concentrated flow is causing rills or gully through the facility. Grade, vegetate, and/or armor to provide stable conveyance in accordance with approved plans.
Sediment Accumulation	Check for accumulated sediment in conveyance systems and forebay. Check for accumulated sediment on basin surface. Check for clogged openings.	When the forebay depth is less than half the approved design, remove sediment. When sediment accumulation on basin surface exceeds 1 inch, remove sediment. Remove sediment from clogged openings. Dispose of all sediment in an acceptable location.
Blockages	Check overflow inlet (riser) and piping for blockages. Check observation wells for water level.	Clear out any blockages.
ANNUAL INSPECTION		
Inspection Item	Inspection Requirements	Remedial Action
Maintenance Access	Check for accessibility to pond including riser and spillways.	Remove excessive vegetative growth and obstructions. Repair access way or road to stable condition.
Woody Vegetation	Check for woody vegetation on zones of concern: the embankment, within 15 feet of the toe of embankment, within a 25 foot radius of the control structure (riser or weir), and within 15 feet of principal spillway pipe.	Mow down woody vegetation within zones of concern. Cut trees with 4 inch or smaller diameter flush to ground. Re-seed bare areas according to plan stabilization requirements. Contact MDE Sediment, Stormwater, and Dam Safety Plan Review Division regarding removal of larger trees than 4 inch diameter.
Inlets	Check for flow blockages, erosion, rills, gullies, and displaced riprap.	Restore grades and re-seed or armor bare areas to provide stable conveyance in accordance with the approved plans.
Trash Rack	Check that trash rack is clear of blockages and in good condition.	Remove any blockages. Repair or replace to good working condition in accordance with the approved plans.
Pond Drain	Check operation. Keep drain chained and locked.	Repair in accordance with approved plans.
Riser and Barrel	Check for evidence of cracks, spalling, and joint failures. Check connection between riser and barrel for water tightness. Check spillway pipe for water tight joints. Check for seepage around and along spillway pipe.	Repair or replace to good working condition in accordance with the approved plans.
Structural Components: Endwalls, Headwalls, Weirs and Abutments.	Check for evidence of structural deterioration, spalling, or cracking. Check for seepage. Check for missing manhole covers or inlet grates.	Repair to good condition according to specifications on the approved plans.
Outfall	Check for displaced riprap, blow outs, unstable conveyance, and erosion below the outlet.	Repair and restore function in accordance with the approved plans and to achieve stable conveyance.
Embankment Integrity	Check upstream face and downstream face for soft spots and boggy areas, boils at the toe, settlements, depressions and bulges, signs of erosion, animal burrows, slope failures, and seepage. Check that ground cover is in good condition. Check for wetland type vegetation.	Repair and stabilize in accordance with the approved plans. Presence of wetland vegetation on embankment may indicate seepage and structural integrity concerns. Contact MDE Sediment, Stormwater, and Dam Safety Plan Review Division MDE Sediment before performing major pond repairs.
Emergency Spillway Channel	Check for evidence of erosion, soft or wet areas, or obstructions. Check for displaced riprap.	Remove any obstructions. Mow and cut flush trees with 4 inch or smaller diameter. Re-seed or armor bare areas to provide stable conveyance in accordance with the approved plans. Contact MDE Sediment, Stormwater, and Dam Safety Plan Review Division regarding removal of larger trees than 4 inch diameter.
Overall Function of Facility	Check that practice is functioning as designed.	Repair to good condition according to specifications on the approved plans.

DATE	NO.	REVISION
CITY OF BOWIE, MARYLAND		
THIS PLAN HAS BEEN REVIEWED AND APPROVED FOR GENERAL CONFORMANCE WITH PROVISIONS OF THE CITY CODE. APPROVAL THEREOF DOES NOT RELIEVE THE DEVELOPER OF ANY REQUIRED PROVISIONS OF THE CODE OR STANDARDS.		
CITY MANAGER	PUBLIC WORKS DIRECTOR	CITY ENGINEER
PLANNING SUPERVISOR	CITY ENGINEER	COMMUNITY SERVICES DIRECTOR
OWNER / DEVELOPER		
ST PIUS X 3300 MORELAND PL BOWIE, MD 20715 FATHER MICHAEL JONES (301) 262-2141		

STORMWATER MANAGEMENT PLANTING PLAN

PARCEL "C"
ST. PIUS X CHURCH
DISTRICT No. # 14
PRINCE GEORGE'S COUNTY, MARYLAND



SHEET 3 OF 3 (FOR SHEETS 1 THRU 3, REFER TO ATWELL DWG No's REFER TO BDAI DWG No's 8.002-Y thru 8.004-Y)

DATE	DESCRIPTION	BY	REVISIONS
10/20/23		MMW	
10/20/23		ET	
10/20/23		MMW	

ATWELL
866.850.4200 www.atwell-group.com
11721 WOODMERE RD, SUITE 200
MITCHELLVILLE, MD 20721
301.430.2000

DRAWN BY: YF
SCALE: 1"=10'
CHECKED BY: ET
DATE: OCTOBER 2023
RECORDED NO: A-84071
PRINTED NO: 8.004