



FOR STAFF ONLY:
HAWP# 1125394
DATE ASSIGNED _____

**APPLICATION FOR
HISTORIC AREA WORK PERMIT**
HISTORIC PRESERVATION COMMISSION
301.563.3400

APPLICANT:

Name: _____

E-mail: _____

Address: _____

City: _____ Zip: _____

Daytime Phone: _____

Tax Account No.: _____

AGENT/CONTACT (if applicable):

Name: _____

E-mail: _____

Address: _____

City: _____ Zip: _____

Daytime Phone: _____

Contractor Registration No.: _____

LOCATION OF BUILDING/PREMISE: MIHP # of Historic Property _____

Is the Property Located within an Historic District? Yes/District Name _____

No/Individual Site Name _____

Is there an Historic Preservation/Land Trust/Environmental Easement on the Property? If YES, include a map of the easement, and documentation from the Easement Holder supporting this application.

Are other Planning and/or Hearing Examiner Approvals /Reviews Required as part of this Application? (Conditional Use, Variance, Record Plat, etc.?) If YES, include information on these reviews as supplemental information.

Building Number: _____ Street: _____

Town/City: _____ Nearest Cross Street: _____

Lot: _____ Block: _____ Subdivision: _____ Parcel: _____

TYPE OF WORK PROPOSED: See the checklist on Page 4 to verify that all supporting items for proposed work are submitted with this application. Incomplete Applications will not be accepted for review. Check all that apply:

☐ New Construction

☐ Deck/Porch

☐ Shed/Garage/Accessory Structure

☐ Addition

☐ Fence

☐ Solar

☐ Demolition

☐ Hardscape/Landscape

☐ Tree removal/planting

☐ Grading/Excavation

☐ Roof

☐ Window/Door

☐ Other: _____

I hereby certify that I have the authority to make the foregoing application, that the application is correct and accurate and that the construction will comply with plans reviewed and approved by all necessary agencies and hereby acknowledge and accept this to be a condition for the issuance of this permit.

Signature of owner or authorized agent

Date

HAWP APPLICATION: MAILING ADDRESSES FOR NOTIFYING
[Owner, Owner's Agent, Adjacent and Confronting Property Owners]

Owner's mailing address

Owner's Agent's mailing address

Adjacent and confronting Property Owners mailing addresses

Description of Property: Please describe the building and surrounding environment. Include information on significant structures, landscape features, or other significant features of the property:

Description of Work Proposed: Please give an overview of the work to be undertaken:

Work Item 1: _____

Description of Current Condition:

Proposed Work:

Work Item 2: _____

Description of Current Condition:

Proposed Work:

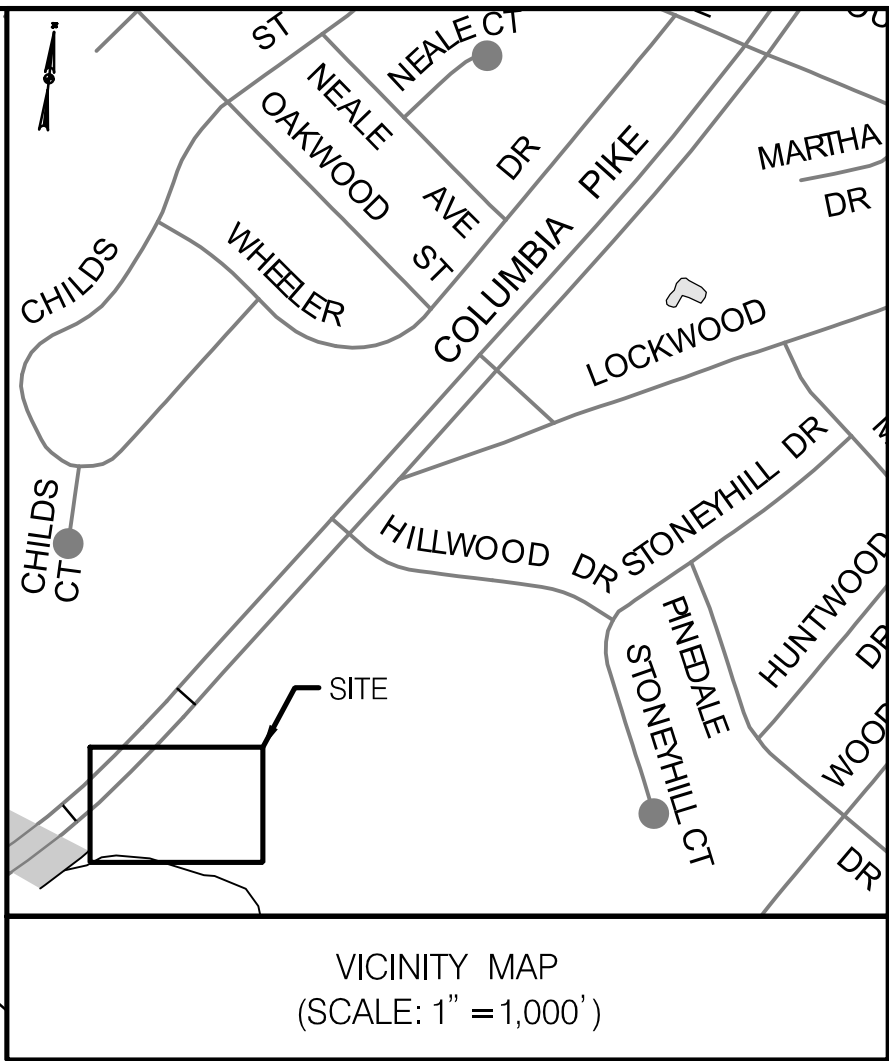
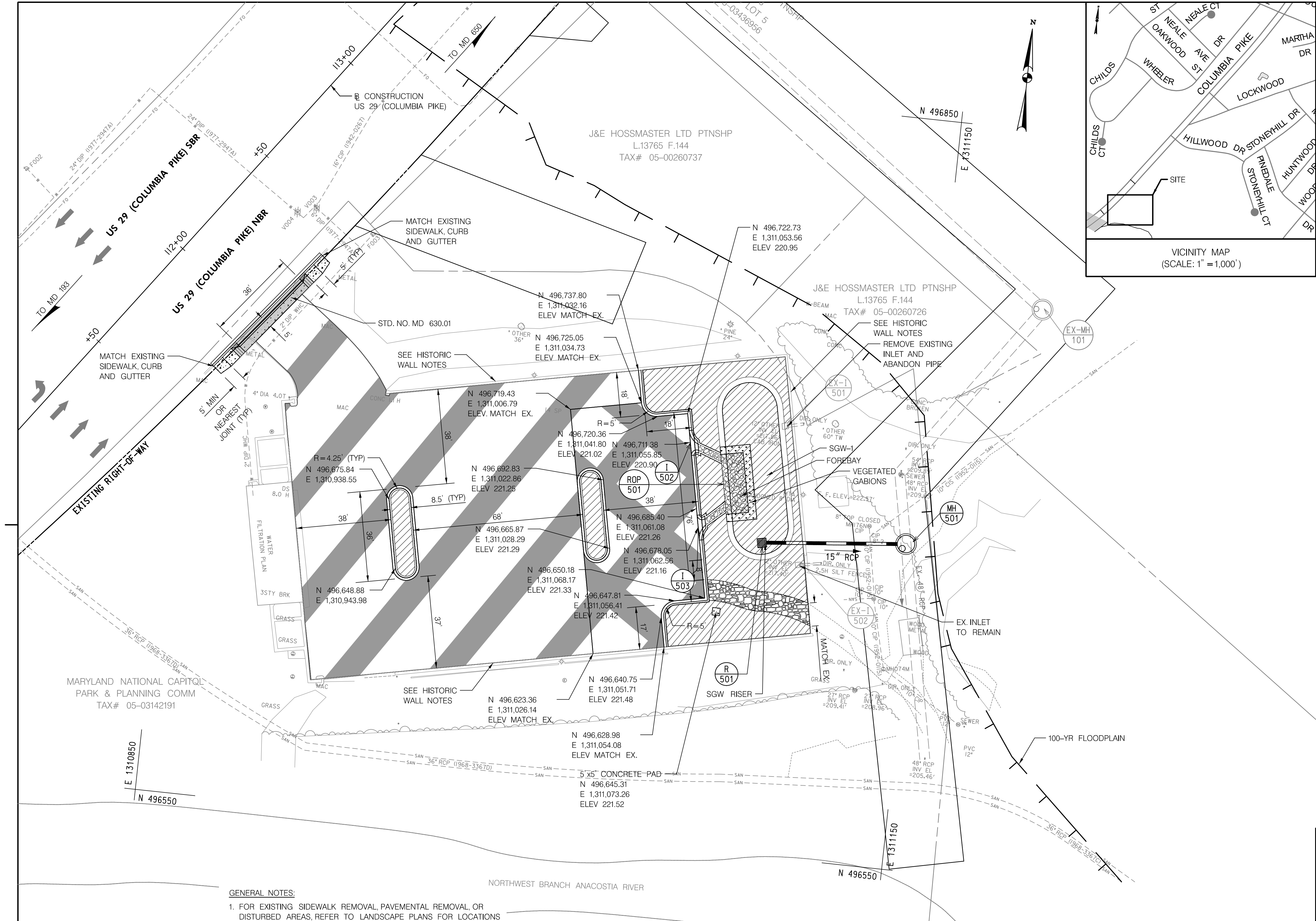
Work Item 3: _____

Description of Current Condition:

Proposed Work:

HISTORIC AREA WORK PERMIT CHECKLIST OF APPLICATION REQUIREMENTS

	Required Attachments						
Proposed Work	I. Written Description	2. Site Plan	3. Plans/ Elevations	4. Material Specifications	5. Photographs	6. Tree Survey	7. Property Owner Addresses
New Construction	*	*	*	*	*	*	*
Additions/ Alterations	*	*	*	*	*	*	*
Demolition	*	*	*		*		*
Deck/Porch	*	*	*	*	*	*	*
Fence/Wall	*	*	*	*	*	*	*
Driveway/ Parking Area	*	*		*	*	*	*
Grading/Excavation/ Landscaping	*	*		*	*	*	*
Tree Removal	*	*		*	*	*	*
Siding/ Roof Changes	*	*	*	*	*		*
Window/ Door Changes	*	*	*	*	*		*
Masonry Repair/ Repoint	*	*	*	*	*		*
Signs	*	*	*	*	*		*



FINE MILLING ASPHALT PAVEMENT 1 INCH TO 2.5 INCH DEPTH

1,948 S.Y. STA. III+07 TO STA. II2+87, RT

8 INCH PORTLAND CEMENT CONCRETE PAVEMENT FOR DRIVEWAY MIX 9

24 S.Y. STA. III+83 TO STA. II2+25, RT

TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH MINIMUM DEPTH (STD. NO. MD 620.02)

82 L.F. STA. III+61 TO STA. III+89, RT
62 L.F. STA. III+74 TO STA. II2+36, RT
58 L.F. STA. II2+12 TO STA. II2+53, RT
82 L.F. STA. II2+18 TO STA. II2+45, RT
24 L.F. STA. II2+60 TO STA. II2+76, RT
42 L.F. STA. II2+83 TO STA. II2+87, RT

5 INCH CONCRETE SIDEWALK

48 S.F. STA. III+73 TO STA. III+84, RT
48 S.F. STA. II2+25 TO STA. II2+35, RT

REMOVAL OF EXISTING SIDEWALK (PAID FOR AS CLASS 2 EXCAVATION)

1 C.Y. STA. III+73 TO STA. III+84, RT
1 C.Y. STA. II2+25 TO STA. II2+35, RT

COMPACTED GRAVEL PATH (PAID FOR AS 4 INCH GRADED AGGREGATE BASE COURSE)

38 S.Y. STA. II2+37 TO STA. II2+63, RT

BURNT MILLS EAST SPECIAL PARK - PARKING LOT NOTE:


- BASED ON SOIL BORINGS, THE PARKING LOT AT THE BURNT MILLS EAST SPECIAL PARK HAS THE FOLLOWING PAVEMENT SECTION:
 - 5" ASPHALT MIX ON 11 INCH CRUSHED STONE/AGGREGATE BASE

SWM FACILITY NOTES:

- SEE STORMWATER MANAGEMENT PLANS FOR SUBMERGED GRAVEL WETLAND (SGW-1) DETAILS.
- SEE LANDSCAPE PLANS FOR PLANTING DETAILS WITHIN THE SUBMERGED GRAVEL WETLAND (SGW-1).
- AREA OF WEDGE AND LEVEL SHALL ENSURE POSITIVE DRAINAGE TOWARDS CURB CUT OPENINGS FOR THE SUBMERGED GRAVEL WETLAND (SGM-1).

HISTORIC WALL NOTES:

- THE CONTRACTOR SHALL MAINTAIN AND PROTECT THE HISTORIC WALL AND LAMP AT ALL TIMES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL FORM EXTERIOR BORDER OF PLYWOOD BEFORE CONSTRUCTION BEGINS TO PROTECT THE WALL FROM PHYSICAL DAMAGE.
- THE CONTRACTOR SHALL COVER THE HISTORIC WALLS WITH PLASTIC SHEETING BEFORE THE CONSTRUCTION BEGINS TO PROTECT THE WALLS FROM ASPHALT SPLATTER.
- THE CONTRACTOR SHALL IDENTIFY ANY OTHER ITEMS THAT MAY CAUSE DAMAGE TO THE HISTORIC WALLS AND TAKE MEASURES TO PROTECT THE HISTORIC WALLS AT ALL COST.



MARYLAND DEPARTMENT OF TRANSPORTATION

STATE HIGHWAY ADMINISTRATION

DISTRICT 3 - E.S.T.

US 29 (COLUMBIA PIKE)
FROM LOCKWOOD DRIVE TO
BURNT MILLS AVENUE

SAFETY AND SPOT IMPROVEMENT PROJECT

ROADWAY PLANS

SCALE 1" = 20' ADVERTISED DATE CONTRACT NO. XX2296A76

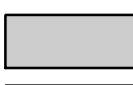


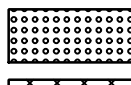


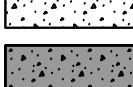

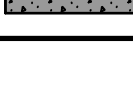

DESIGNED BY RML COUNTY MONTGOMERY
DRAWN BY KG LOGMILE 15002903.86 TO 15002904.09
CHECKED BY RDB
PRD NO. 24-PR-0036-01

DRAWING NO. PS-04 OF 05 SHEET NO. 12 OF 67

GENERAL NOTES:

- FOR EXISTING SIDEWALK REMOVAL, PAVEMENTAL REMOVAL, OR DISTURBED AREAS, REFER TO LANDSCAPE PLANS FOR LOCATIONS TO BE RESTORED WITH SUBSOIL, TOPSOIL, AND TURFGRASS SOD ESTABLISHMENT.
- REMOVAL OF EXISTING SIDEWALK OR MONOLITHIC CONCRETE MEDIAN SHALL BE PAID FOR AS CLASS 2. ALL OTHER EXCAVATION, REGARDLESS OF WIDTH, SHALL BE CONSIDERED AND PAID FOR AS CLASS 1 EXCAVATION, UNLESS OTHERWISE NOTED
- PERMANENTLY STABILIZE ALL NON-PAVED DISTURBED AREAS AS SPECIFIED ON THE TYPICAL SECTION PLANS. SEE NOTE 3 ON DRAWING NO. HT-01 AND HT-02.

ROADWAY LEGEND

	FULL DEPTH PAVEMENT		CLASS 1 RIP RAP
	FINE MILL AND ASPHALT OVERLAY		DETECTABLE WARNING SURFACE
	WEDGE AND LEVEL		CLASS 2 EXCAVATION
	CONCRETE SIDEWALK		COMPACTED GRAVEL PATH
	PORTLAND CEMENT CONCRETE FOR DRIVEWAY		CLASS 1 EXCAVATION

R / W PLAT NUMBER

18027
18023
18024

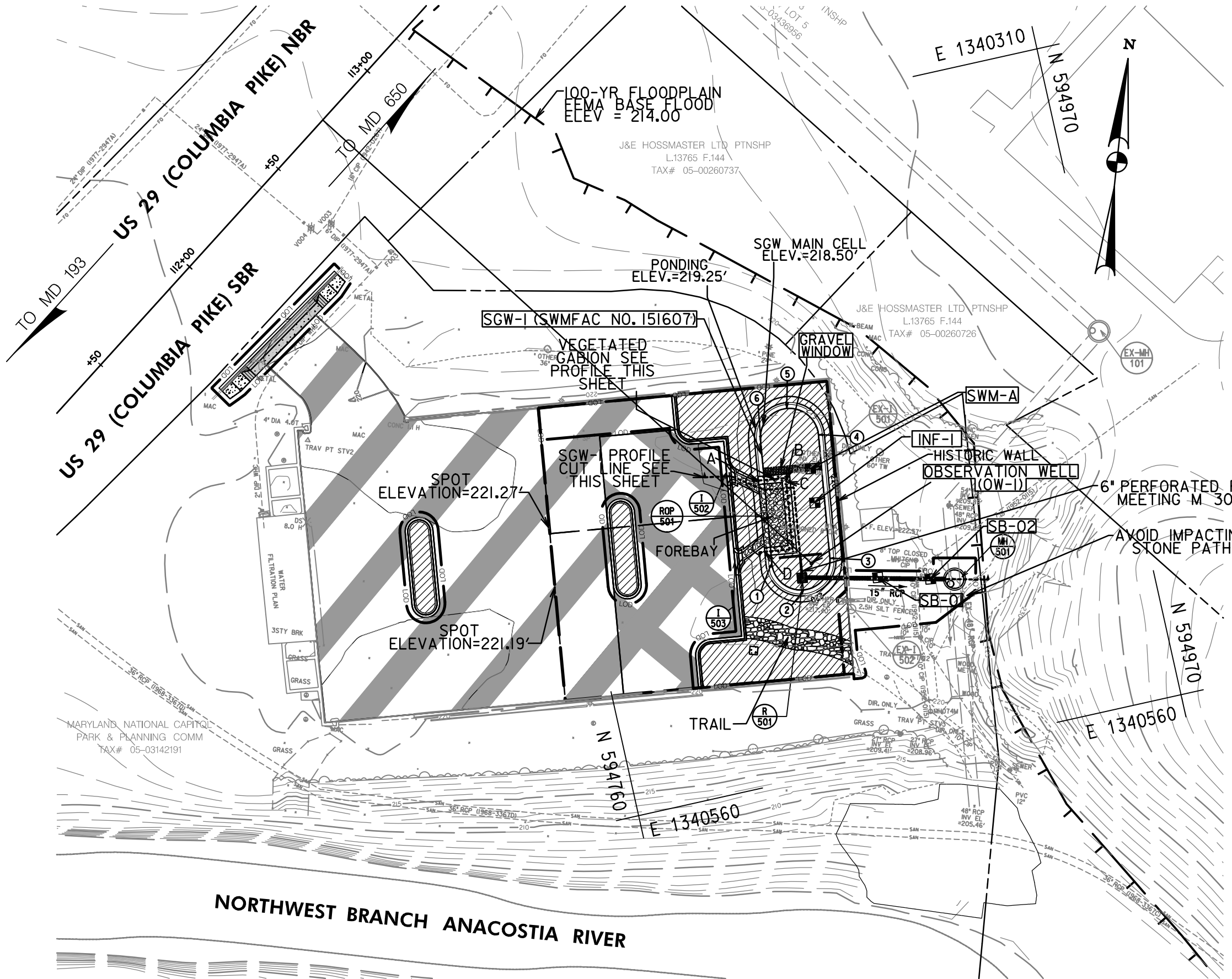
CROSS REFERENCE

ITEM	SHEET NOS.
GENERAL NOTES AND ABBREVIATIONS	2
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REVISIONS



700 Red Brook Boulevard, Suite 300
Owings Mills, Maryland, 21117
www.stvinc.com



SUBMERGED GRAVEL WETLAND SGW-1 (SWMFAC NO. 151607)

SCALE: 1" = 40'

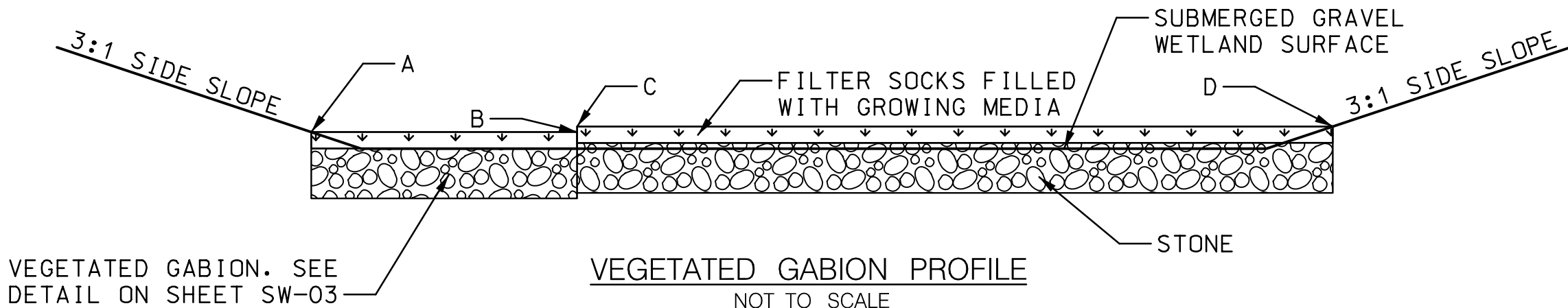
SCALE: 1" = 40'

NOTE: FOR 15" RCP INSTALLATION BORE UNDERNEATH EXISTING HISTORIC WALL. PROCEED WITH INSTALLATION WITH EXTREME CAUTION AND DO NOT DISTURB THE HISTORIC WALL OR ITS FOOTING.

OBSERVATION WELL SCHEDULE			
NO.	STATION	OFFSET	BASELINE
OW-1	112+74.9	249.4' RT	US 29 (COLUMBIA PIKE)

SUBMERGED GRAVEL WETLAND	
MATERIAL	REQUIRED AMOUNT
BIORETENTION SOIL MIX	35 CY
COARSE SAND	18 CY
NO. 7 AGGREGATE	22 CY
NO. 57 AGGREGATE	105 CY
CLASS I RIPRAP	27 SY

SGW-1 GRADING TABLE				
NO	STATION	OFFSET(FT)	NORTHING	EASTING
1	112+64.51	238.69 RT	496678.2357	1311076.7052
2	112+65.49	253.89 RT	496670.0751	1311089.5602
3	112+80.72	253.54 RT	496682.5869	1311098.2513
4	113+12.69	218.67 RT	496728.9580	1311088.9198
5	113+12.01	203.13 RT	496737.5692	1311075.9642
6	112+96.47	203.81 RT	496724.6136	1311067.3530



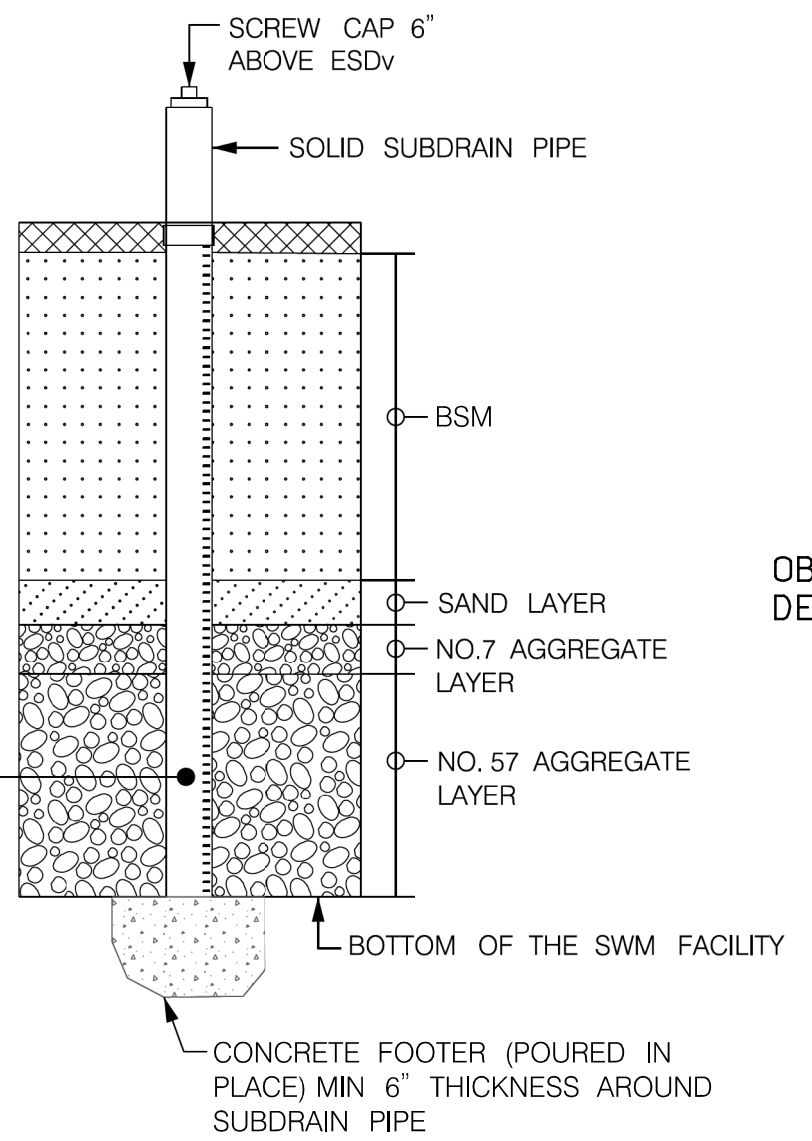
VEGETATED GABION PROFILE
NOT TO SCALE

POINT	ELEVATION
A	219.25
B	219.25
C	219.50
D	219.50

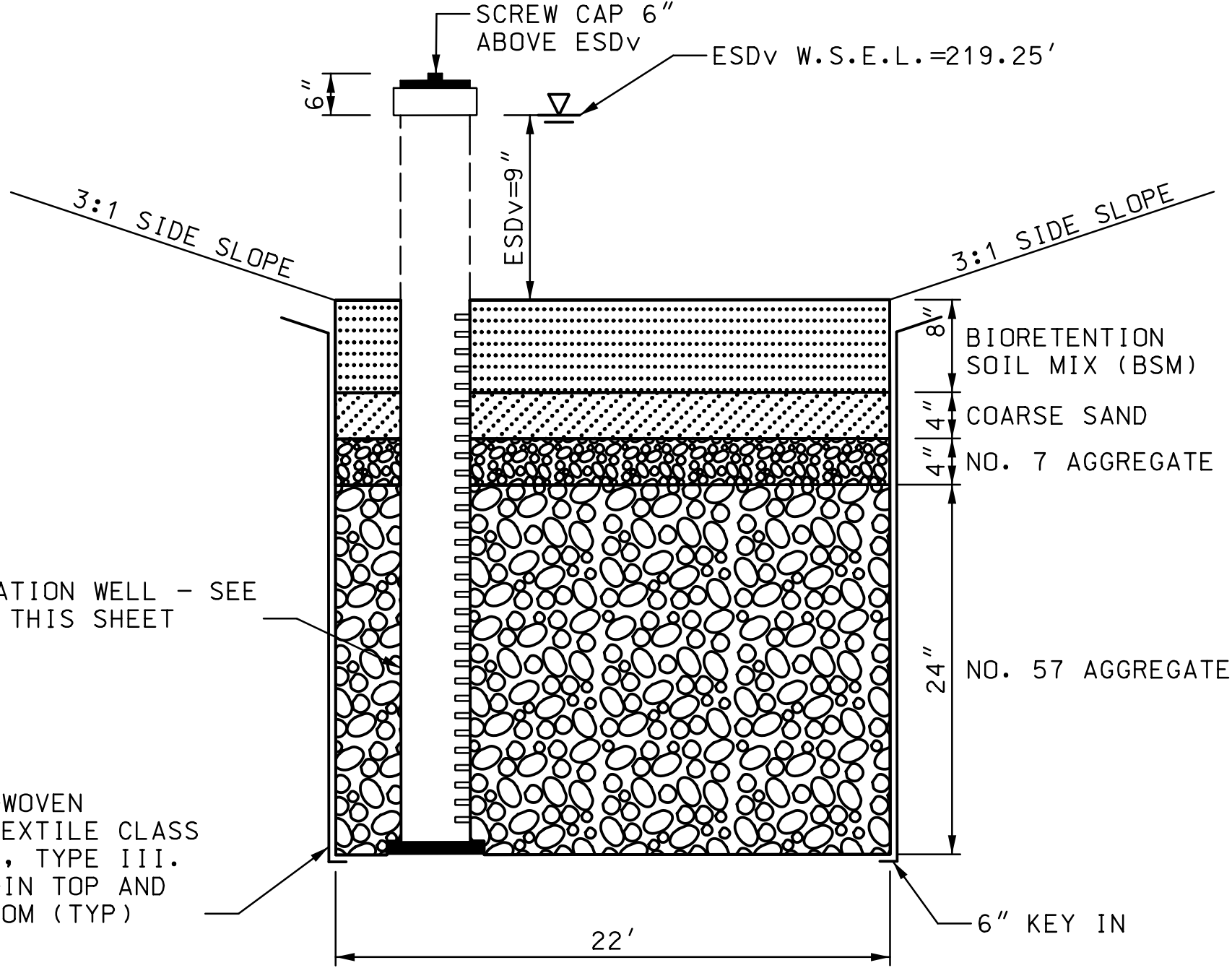
NOTE: SEE SHEET SW-03 FOR DETAIL

LEGEND

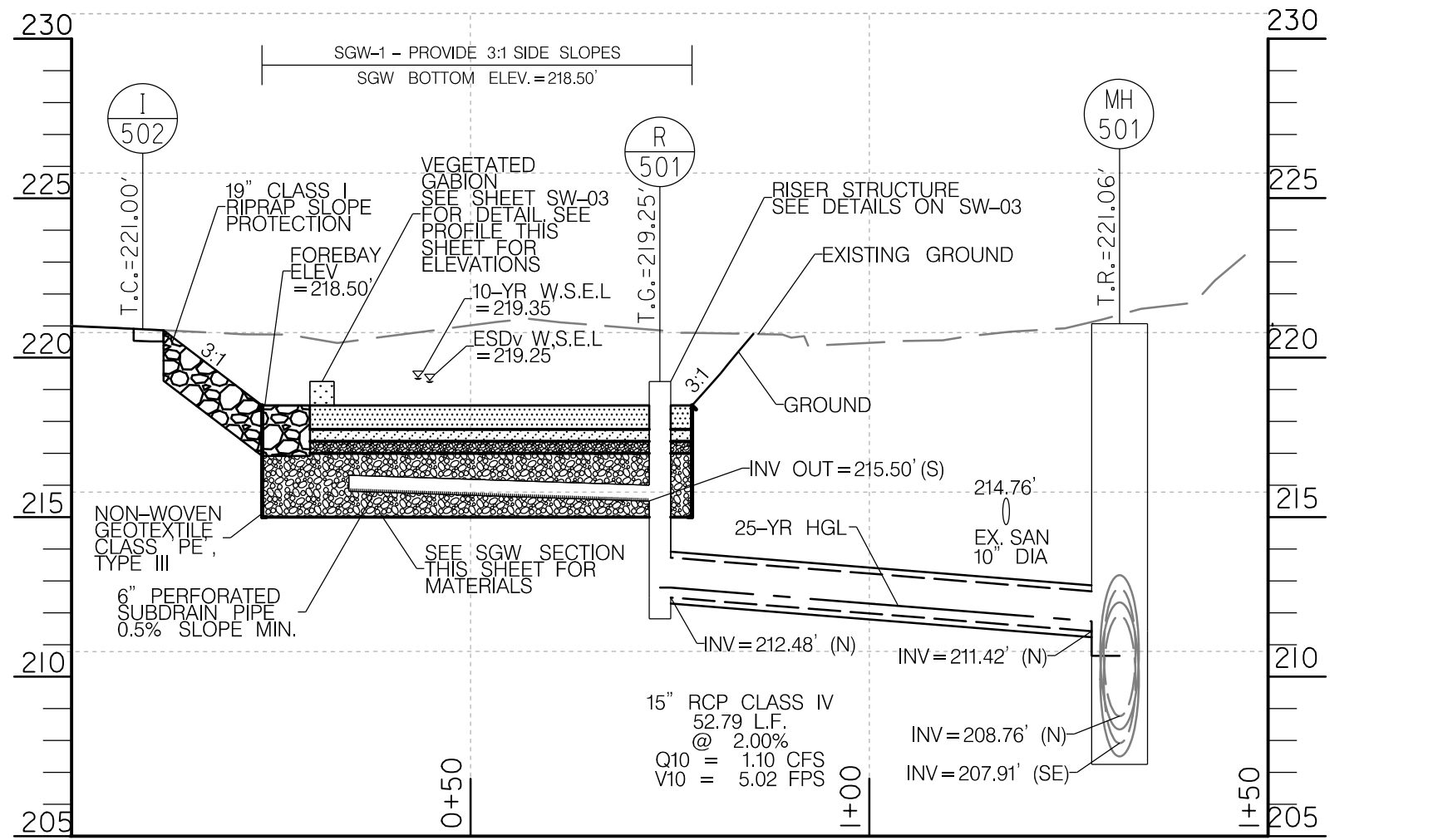
- FULL DEPTH PAVEMENT
- MILL AND RESURFACE
- WEDGE AND LEVEL
- CONCRETE SIDEWALK
- 8 INCH PORTLAND CEMENT CONCRETE FOR DRIVEWAY
- CLASS 1 EXCAVATION
- RIPRAP
- VEGETATED GABION
- 2' GIS EXISTING CONTOUR
- 1' SURVEY EXISTING CONTOUR
- EXISTING RIGHT OF WAY
- 100-YR FLOODPLAIN
- STORM DRAIN
- DRAINAGE BOUNDARY



TYPICAL OBSERVATION WELL DETAIL
NOT TO SCALE



SUBMERGED GRAVEL WETLAND SECTION
NOT TO SCALE

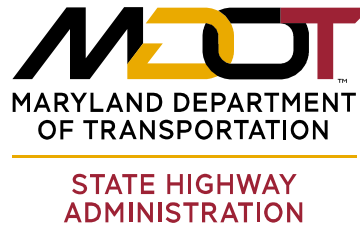


SGW-1 (SWMFAC NO. 151607) PROFILE
SCALE: HORIZONTAL: 1" = 20'
VERTICAL: 1" = 5'
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 5'



700 Red Brook Boulevard, Suite 300
Owings Mills, Maryland, 21117
www.stvinc.com

STORMWATER & SEDIMENT CONTROL FINAL APPROVAL	APPROVED MODIFICATIONS	CROSS REFERENCE	REVISIONS
1	05/15/25	ITEM SHEET NOS.	
APPROVED PLAN REVIEW DIVISION CHIEF 3/19/25 DATE PRD No. 24-PR-0036-01		GENERAL NOTES AND ABBREVIATIONS.....2 TYPICAL SECTIONS AND ROADWAY DETAILS.....3-7 GEOMETRY SHEET.....8 ROADWAY PLANS.....9-13 MAINTENANCE OF TRAFFIC.....14-24 DRAINAGE PIPE PROFILES, STRUCTURE SCHEDULE AND DETAILS.....25-29 STORMWATER MANAGEMENT PLANS CERTIFICATION AND DETAILS.....30-32 EROSION AND SEDIMENT CONTROL NOTES AND DETAILS.....33-36 LIMIT OF DISTURBANCE.....37 SEQUENCE OF CONSTRUCTION.....38 EROSION AND SEDIMENT CONTROL PLANS.....39-43 WALL TYPICAL SECTION.....44-48 RETAINING WALL - GENERAL PLAN, ELEVATION AND NOTES.....49 BORING AND DRIVE TESTS.....50-54 STRUCTURAL STANDARD DETAILS.....51 TRAFFIC SIGNALIZATION PLANS, DETAILS AND NOTES.....55-60 SIGNING AND PAVEMENT MARKING NOTES, PLANS, INDEX OF QUANTITIES.....61-67	



DISTRICT 3 - E.S.T.
US 29 (COLUMBIA PIKE)
FROM LOCKWOOD DRIVE TO
BURNT MILLS AVENUE
SAFETY AND SPOT IMPROVEMENT PROJECT

STORMWATER MANAGEMENT PLAN

SCALE AS SHOWN ADVERTISED DATE CONTRACT NO. XX2295A76

DESIGNED BY BLS COUNTY MONTGOMERY
DRAWN BY BLS LOGMILE 15002903.86 TO 15002904.09
CHECKED BY ETK
PRD NO. 24-PR-0036-01

DRAWING NO. SW-01 OF 03 SHEET NO. 30 OF 67

MAY ONLY BE CERTIFIED BY THE AS-BUILT ENGINEER (ABE) AS REQUIRED BY COMAR 26.17.02.10

ACTIVITY	SUPPORTING DOCUMENTATION AND INFORMATION (SUBMIT ALL OF THE FOLLOWING WITH SWM FACILITY AS-BUILT CERTIFICATION PACKAGE)	DATE(S) OF INSPECTION
PRIOR TO FOREBAY EXCAVATION, OBSERVED ESC MEASURES ARE INSTALLED AROUND THE SWM FACILITY OR CONFIRMED SURROUNDING AREA IS STABILIZED. OBSERVED FOREBAY STAKEOUT	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS	
OBSERVED EXCAVATION AND GRADING OF FOREBAY	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS	
OBSERVED INSTALLATION OF RELEASE STRUCTURE	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS	
OBSERVED EXCAVATION FOR PIPES AND PIPE END TREATMENTS (ENDWALL/END SECTIONS) FOR FOREBAY	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS	
OBSERVED PLACEMENT AND COMPACTION OF BEDDING FOR PIPES AND PIPE END TREATMENTS (ENDWALL/END SECTIONS) FOR FOREBAY	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS	
OBSERVED INSTALLATION FOR PIPES AND PIPE END TREATMENTS (ENDWALL/END SECTIONS) FOR FOREBAY	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS	
OBSERVED PLACEMENT AND COMPACTION OF BACKFILL FOR PIPES AND PIPE END TREATMENTS (ENDWALL/END SECTIONS) FOR FOREBAY, INCLUDING AGGREGATE APRON(S) AND PERMANENT STABILIZATION	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS	
OBSERVED INSTALLATION OF SPECIFIED VEGETATION, VERIFIED LOCATIONS AND SPECIES INSTALLED.	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS <input type="checkbox"/> AS-BUILT LANDSCAPE PLANS	
OBSERVED ESTABLISHED VEGETATION ONE YEAR FOLLOWING INITIAL INSTALLATION (PLUS ONE ADDITIONAL YEAR FOR WET PONDS, SHALLOW WETLANDS, ETC.) AND OBSERVED REPLACEMENT OF FAILED VEGETATION.	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS <input type="checkbox"/> SHA LPD LANDSCAPE ACCEPTANCE LETTER(S)	

**ONLY COMPLETE THE PORTION BELOW WHEN TOLERANCES ARE NOT MET.
ALSO PROVIDE COMPUTATIONS AND SWM REPORT REVISIONS.**

REVISÉD 10/25/2021

MAY ONLY BE CERTIFIED BY THE AS-BUILT ENGINEER (ABE) PER COMAR 26.17.02.10.

ACTIVITY	(SUBMIT WITH SWM FACILITY AS-BUILT CERTIFICATION PACKAGE)	DATE(S) OF INSPECTION
PRIOR TO SWM FACILITY EXCAVATION, OBSERVED ESC MEASURES ARE INSTALLED AROUND THE FACILITY OR CONFIRMED SURROUNDING AREA IS STABILIZED	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS	
OBSERVED EXCAVATION OF SWM FACILITY	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS	
OBSERVED INSTALLATION OF GEOTEXTILE AND VERIFIED INSTALLATION PERFORMED AS SPECIFIED	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS	
OBSERVED INSTALLATION OF NO. 57 AGGREGATE	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS	
OBSERVED INSTALLATION OF SUB-DRAIN. VERIFIED MATERIAL HAS SLOTTED PERFORATIONS, AND OBSERVED USE OF GEOTEXTILE SOCK	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS PIPE MATERIAL: <input type="checkbox"/> PPWP <input type="checkbox"/> CPP-S <input type="checkbox"/> GEOTEXTILE SOCK	
OBSERVED INSTALLATION OF NO. 7 AGGREGATE	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS	
OBSERVED INSTALLATION OF COARSE SAND	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS	
OBSERVED INSTALLATION OF BIORETENTION SOIL MIX (BSM) AND VERIFIED MATERIAL IS APPROVED	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS <input type="checkbox"/> SHA OMT SOIL TEST REPORT FOR BSM	
OBSERVED INSTALLATION OF RELEASE STRUCTURE	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS RELEASE STRUCTURE: <input type="checkbox"/> RISER <input type="checkbox"/> WEIR	
OBSERVED FINAL GRADING OF SWM FACILITY	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS	
OBSERVED CONSTRUCTION OF MAINTENANCE ACCESS ROAD	<input type="checkbox"/> PHOTOGRAPH-S <input type="checkbox"/> INSPECTION REPORT	
OBSERVED INSTALLATION OF SPECIFIED VEGETATION. OBSERVED AND VERIFIED INSTALLATION OF LOCATIONS, SPECIES, AND QUANTITIES SPECIFIED.	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPH-S <input type="checkbox"/> AS-BUILT LANDSCAPE PLANS	
OBSERVED ESTABLISHED VEGETATION ONE YEAR FOLLOWING INITIAL INSTALLATION IN SWM FACILITY AND OBSERVED REPLACEMENT OF FAILED VEGETATION.	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPH-S <input type="checkbox"/> SHA LPD LANDSCAPE ACCEPTANCE LETTER(S)	
OBSERVED ESTABLISHED VEGETATION TWO YEARS FOLLOWING INITIAL INSTALLATION AND VERIFIED AT LEAST A 50% SURVIVAL RATE OF VEGETATION WITHIN SWM FACILITY AND OBSERVED REPLACEMENT OF FAILED VEGETATION	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPH-S	

**ONLY COMPLETE THE PORTION BELOW WHEN TOLERANCES ARE NOT MET.
ALSO PROVIDE COMPUTATIONS AND SWM REPORT REVISIONS.**

REVISÉD 12/6/2021

MAY ONLY BE CERTIFIED BY THE AS-BUILT ENGINEER (ABE) AS REQUIRED BY COMAR 26.17.02.10.

	INSPECTION
OBSERVED EXCAVATION FOR RISER, OUTFALL PIPE, AND OUTFALL STRUCTURE	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS OUTFALL STRUCTURE (CHECK WHAT APPLIES) <input type="checkbox"/> HEADWALL <input type="checkbox"/> END SECTION <input type="checkbox"/> OTHER (SPECIFY): _____
OBSERVED PLACEMENT AND COMPACTION OF BEDDING FOR RISER, OUTFALL PIPE, AND OUTFALL STRUCTURE	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS
OBSERVED INSTALLATION OF RISER, OUTFALL PIPE, AND OUTFALL STRUCTURE	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS
OBSERVED PLACEMENT AND COMPACTION OF BACKFILL FOR RISER, OUTFALL PIPE, AND OUTFALL STRUCTURE INCLUDING AGGREGATE APRON AND PERMANENT STABILIZATION	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS
CONFIRMED RISER HAS LADDER RUNGS INSTALLED	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS
CONFIRMED TOP OF STRUCTURE (GRATE OR SLAB WITH MANHOLE) IS INSTALLED	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS CHECK ONE: <input type="checkbox"/> TOP GRATE <input type="checkbox"/> SLAB WITH MANHOLE
CONFIRMED LOW FLOW ORIFICE	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS
OBSERVED INSTALLATION OF LOW FLOW PIPE	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS
OBSERVED INSTALLATION OF RELEASE VALVE, VERIFIED FUNCTIONAL, AND CLOSED	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS
OBSERVED INSTALLATION OF TRASH RACKS	<input type="checkbox"/> INSPECTION REPORT <input type="checkbox"/> PHOTOGRAPHS

**ONLY COMPLETE THE PORTION BELOW WHEN TOLERANCES ARE NOT MET.
ALSO PROVIDE COMPUTATIONS AND SWM REPORT REVISIONS.**

REVISÉD 06/16/2021

Jeffrey J. Krumm P.E.

GENERAL NOTES AND ABBREVIATIONS.....	2
TYPICAL SECTIONS AND ROADWAY DETAILS.....	3-7
GEOMETRY SHEET.....	8
ROADWAY PLANS.....	9-12

COAL _____ TON		ADVERTISED DATE _____		CONTRACT NO. _____	
REMARKS: EM _____	DIS _____	REMARKS _____	REMARKS _____	REMARKS _____	REMARKS _____

I HEREBY CERTIFY THAT THE STORMWATER MANAGEMENT (SWM) FACILITIES AND PRACTICES SHOWN IN THE CONTRACT DOCUMENTS AND INDIVIDUALLY IDENTIFIED BELOW BY UNIQUE SWM FACILITY NUMBERS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS APPROVED UNDER THE MDTOT SHA PLAN REVIEW DIVISION NUMBER 24 - PR - 0036-0 EXCEPT AS NOTED ON THE GREENLINE "AS-BUILT" DRAWINGS. FURTHERMORE, DEVIATION FROM THE CONTRACT DOCUMENT DO NOT ADVERSELY AFFECT THE DESIGN OR INTENDED PERFORMANCE OF THE SWM FACILITIES AND PRACTICES.

SGW-I (SWMFAC NO. I51607)

Name (Printed)	Signature
Maryland P.E. License Number	Date

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. _____, EXPIRATION DATE _____."

"CERTIFY" MEANS TO STATE OR DECLARE A PROFESSIONAL OPINION BASED ON SUFFICIENT AND APPROPRIATE ONSITE INSPECTIONS, DOCUMENTATION, AND TESTING CONDUCTED DURING CONSTRUCTION, INCLUDING COMPLETION OF THE AS-BUILT DATA TABLES CONTAINED IN THE CONTRACT DOCUMENTS.

MONTHLY INSPECTION		
Inspection Item	Inspection Requirements	Remedial Action
Debris and Trash	Check for trash and debris in facility including inlets, outlets, conveyance systems, and area around facility.	Remove all trash and debris and dispose in an acceptable manner. Unplug all openings.
Plant Composition and Health	Check for plant composition with approved plans. Check for invasive species or weeds.	Remove all invasive species and weeds. Replace dead plants in accordance with approved landscaping plan.
Vegetative Cover	Check for churning/erosion, and bare spots. Check for vegetation blocking inlets and outlets.	Remove or cut back vegetation around inlet and outlet structures. Mow side slopes when grass exceeds 12 inches in height. Remove grass clippings. Re-seed or re-plant in accordance with approved landscaping plans.
Pea Gravel Chimney	Check pea gravel for sediment accumulation and evidence of erosion.	Stabilize or replace pea gravel according to plan specifications.
SEASONAL INSPECTION AND AFTER A MAJOR STORM		
Inspection Item	Inspection Requirements	Remedial Action
Dewatering	Check ponding level. Surface storage must de-water within 48 hours of arrival. Noticeable odors, stained water on the filter surface or at the outlet, or the presence of algae or aquatic vegetation are indicators of anaerobic conditions and inadequate water treatment.	Remove and replace top six inches of pea gravel in pea gravel channels. Confirm adequate dewatering with follow up inspections. If the facility does not function as intended after the above action, the entire system including underdrain may need refurbishing.
Erosion	Check inlets, wetland, outlets, and side slopes for erosion, rills, gullies, and runoff channelization.	Re-grading may be required when concentrated flow causes rills or gullies on the facility. Grass, vegetation, and or armor to provide stable conveyance in accordance with approved plans.
Sediment Accumulation	Check for accumulated sediment in forchey. Check for accumulated sediment in gravel chimneys and wetland area. Check for clogged openings	When sediment in forchey accumulates to 6 inches in depth, clean out sediment. When sediment in gravel chimney or wetland area accumulates to 1 inch in depth, remove sediment. Remove sediment from clogged openings. Discharge any sediment-laden water through a filter bag or other dewatering device. Dispose of all sediment in an acceptable location. Clear out any blockages.
ANNUAL INSPECTION		
Inspection Item	Inspection Requirements	Remedial Action
Maintenance Access	Check for accessibility to facility.	Remove excessive vegetative growth, erosion, and obstructions on access way.
Flow Conveyance System	Check overflow inlet, piping, and bypass for misalignments, breakage, and backup.	Repair any broken or faulty piping. Clean out any blockages.
Structural Components	Check for evidence of structural deterioration, spalling, or cracking. Inlet and outlet structures as well as riprap outlets must be in good condition.	Repair to good condition according to specifications on the approved plans.
Overall Function of Facility	Check that practice is functioning as designed.	Repair to good condition according to specifications on the approved plans.



US 29 (COLUMBIA PIKE)
FROM LOCKWOOD DRIVE TO
BURNT MILLS AVENUE

SAFETY AND SPOT IMPROVEMENT PROJECT

STORMWATER MANAGEMENT CERTIFICATIONS

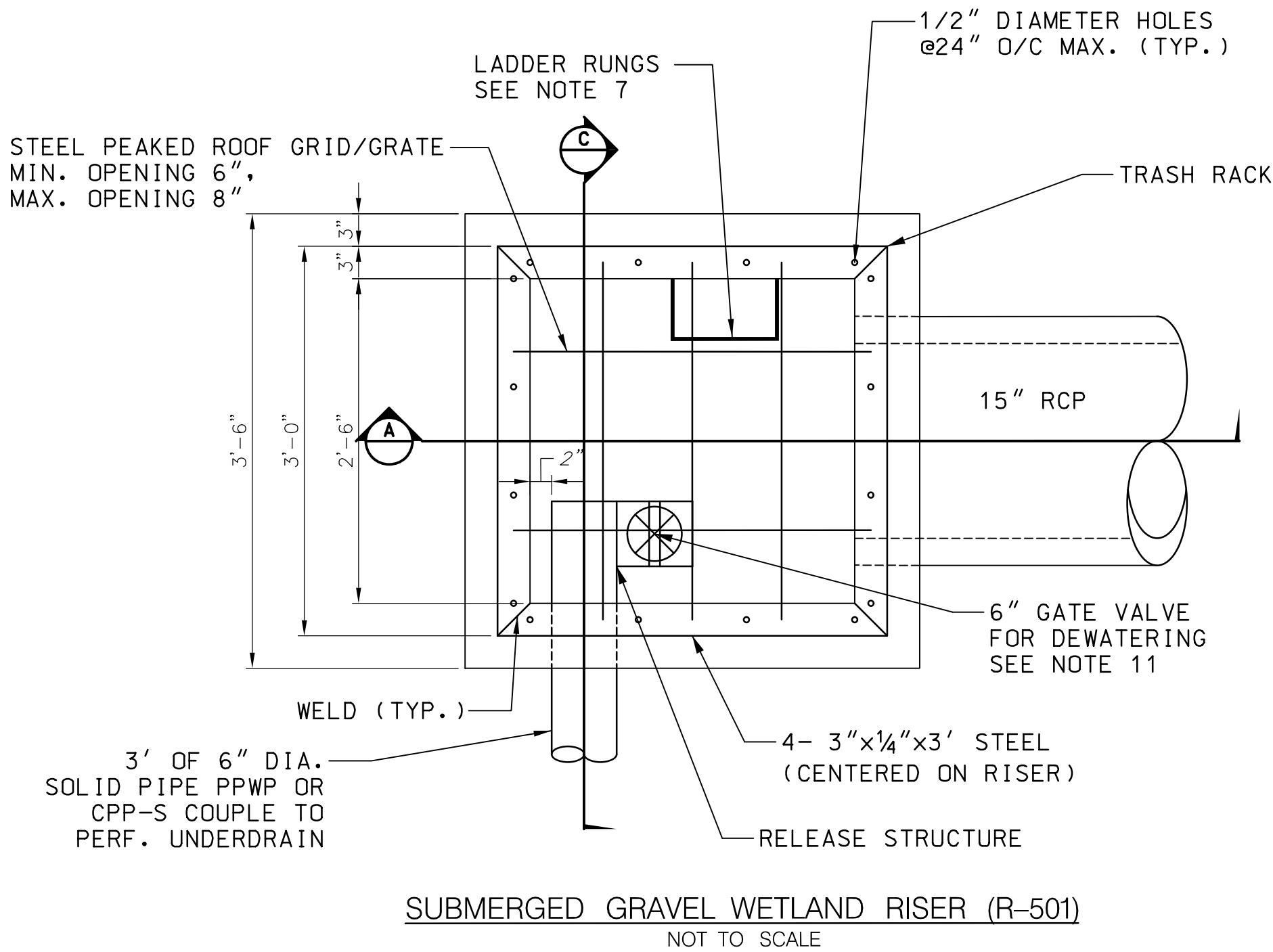
SCALE N/A ADVERTISED DATE CONTRACT NO. XX2295A76

DESIGNED BY BLS COUNTY MONTGOMERY

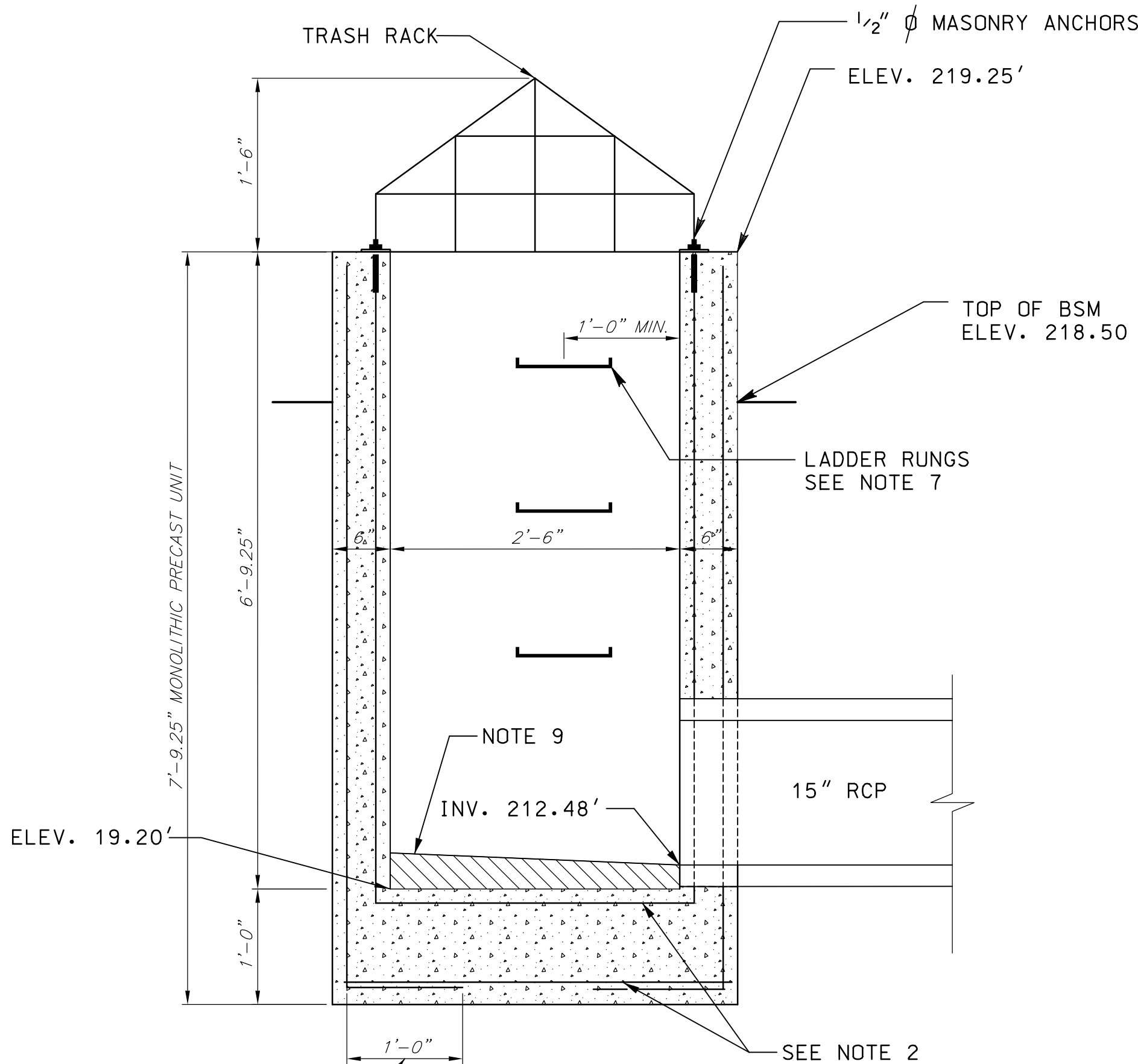
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PRD NO. 24-PR-0036-01

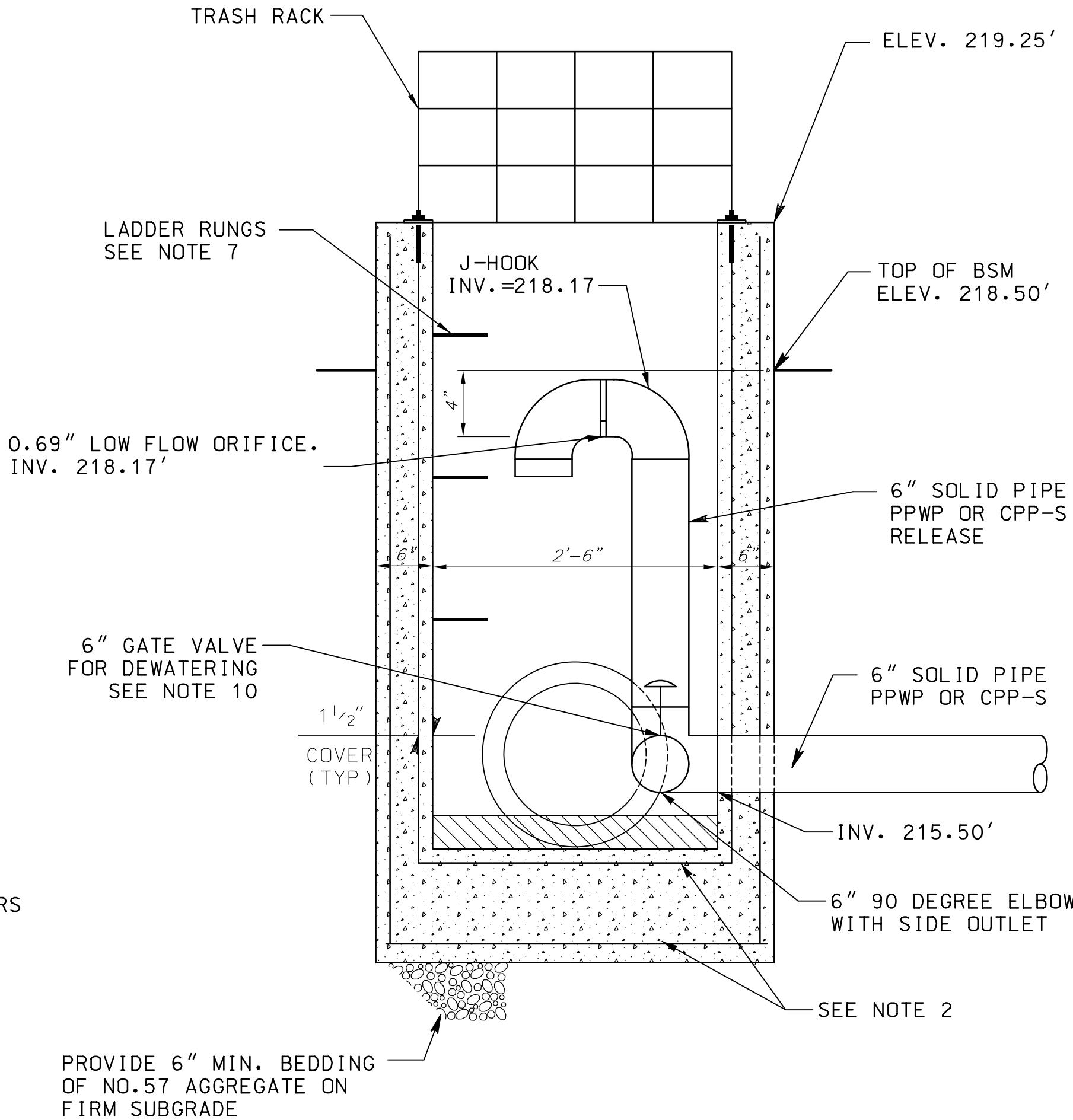
DRAWING NO.	SW-02	OF	03	SHEET NO.	31	OF	67
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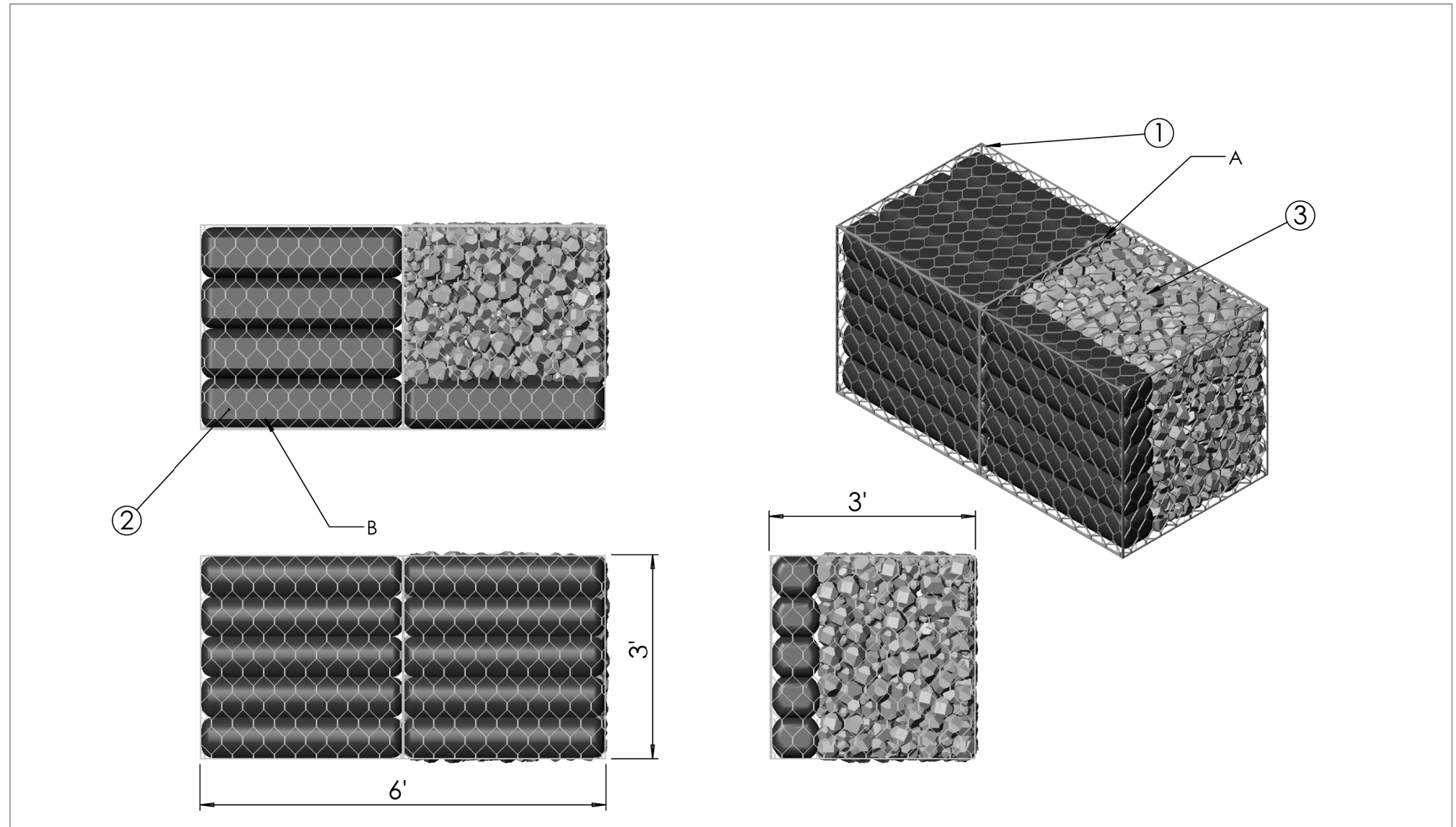
SUBMERGED GRAVEL WETLAND RISER (R-501)
NOT TO SCALE



SUBMERGED GRAVEL WETLAND RISER (R-501)
SECTION A-A
NOT TO SCALE



SUBMERGED GRAVEL WETLAND RISER (R-501)
SECTION C-C
NOT TO SCALE



VEGETATED GABION

SGW RISER (I-105) WITH TRASH RACK NOTES

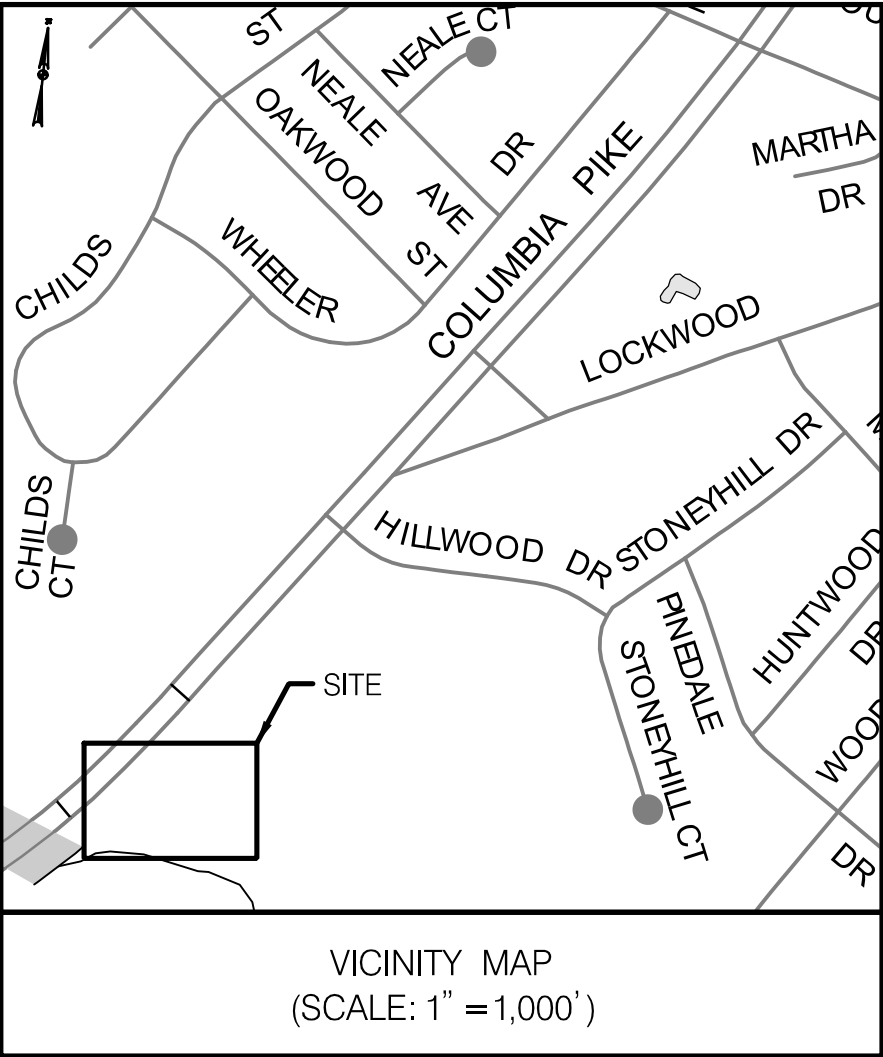
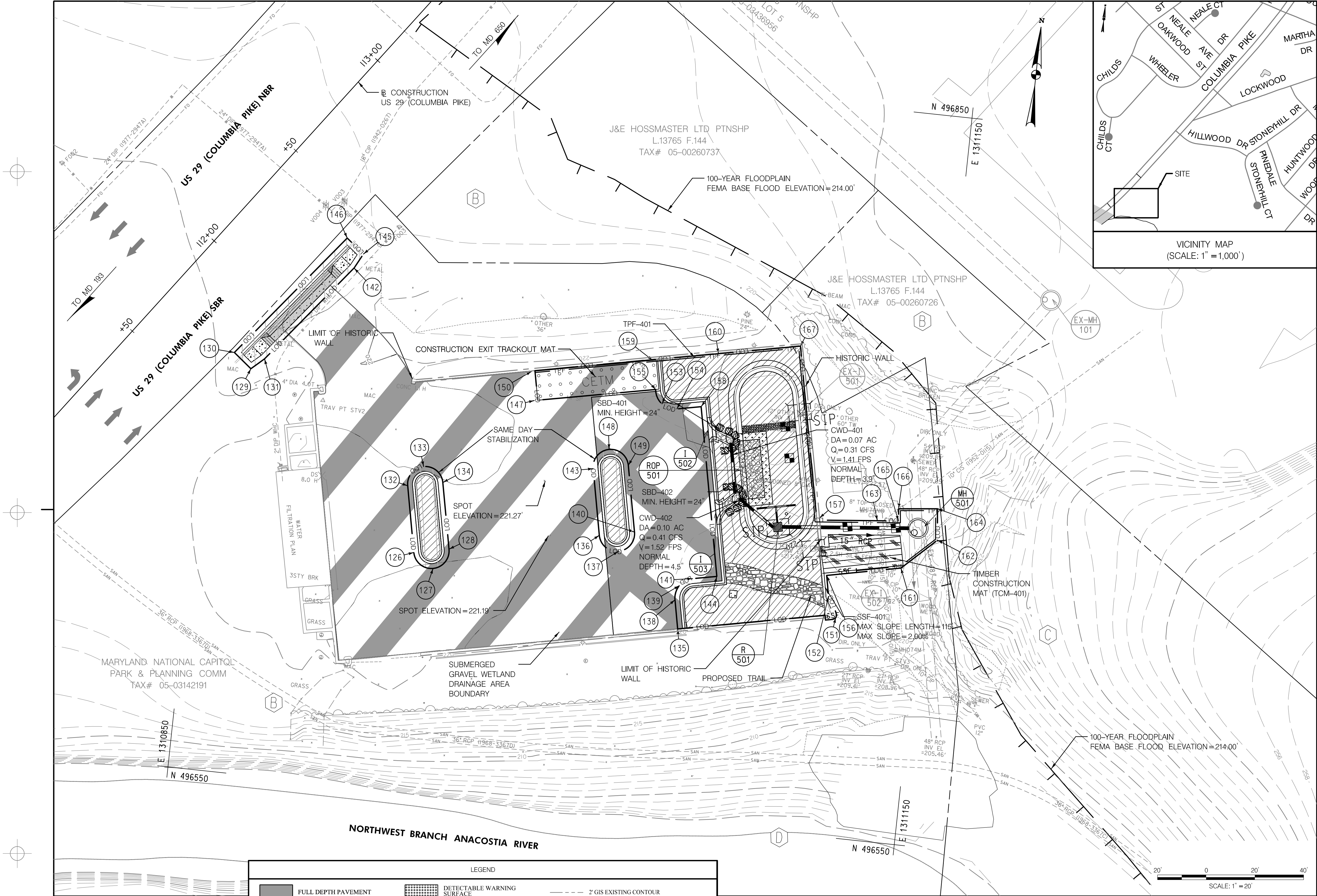
1. RISER SHALL BE MIX NO. 6 (4500) PSI FOR PRECAST OR MIX NO. 3 (3500 PSI) FOR CAST IN PLACE CONCRETE.
2. REINFORCEMENT SHALL BE AS SHOWN WITH 2" COVER FOR WELDED WIRE FABRIC (PRECAST) OR 2" COVER FOR DEFORMED BARS (CAST IN PLACE). ON BASE, REINFORCEMENT SHALL BE AS SHOWN WITH 1.5" COVER (PRECAST) AND 2" COVER (CAST IN PLACE) FROM TOP OF BASE.
3. THREADED PLASTIC INSERTS TO BE PROVIDED FOR HANDLING.
4. TRASH RACK TO BE CENTERED OVER OPENING.
5. TRASH RACK STEEL TO CONFORM TO ASTM A-36. ALL SURFACES TO BE COATED WITH ZRC COLD GALVANIZING COMPOUND (OR EQUAL) AFTER WELDING.
6. TRASH RACK TO BE FASTENED TO THE WALL WITH 1/2" MASONRY ANCHORS. TRASH RACK TO BE REMOVABLE.
7. LADDER RUNGS SHALL BE IN ACCORDANCE WITH STANDARD MD 383.91 AND MD 383.92 OR AS DIRECTED BY THE ENGINEER. LOCATE RUNGS AS FAR FROM RELEASE STRUCTURE AS PRACTICAL.
8. ALL CONNECTIONS AND JOINTS SHALL BE WATERTIGHT
9. INVERT TO BE CONCRETE. SLOPE 1/2" PER FOOT TOWARD OUTLET OR AS DIRECTED. TO BE PROVIDED IN FIELD.
10. 6" GATE VALVE TO BE CLOSED AT ALL TIMES. EXCEPT FOR MAINTENANCE. FOR DEWATERING OF THE SGW OPEN USING A GATE VALVE WRENCH.

STORMWATER & SEDIMENT CONTROL FINAL APPROVAL	APPROVED MODIFICATIONS	CROSS REFERENCE	REVISIONS
ITEM		SHEET NOS.	
GENERAL NOTES AND ABBREVIATIONS		2	
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GEOMETRY SHEET		8	
ROADWAY PLANS		9-13	
MAINTENANCE OF TRAFFIC		14-24	
DRAINAGE PIPE PROFILES, STRUCTURE SCHEDULE AND DETAILS		25-29	
STORMWATER MANAGEMENT PLANS, CERTIFICATION AND DETAILS		30-32	
EROSION AND SEDIMENT CONTROL NOTES AND DETAILS		33-39	
LIMIT OF DISTURBANCE		40	
SEQUENCE OF CONSTRUCTION		41	
EROSION AND SEDIMENT CONTROL PLANS		42-43	
LANDSCAPE PLANS		44-48	
RETAINING WALL - GENERAL PLAN, ELEVATION AND NOTES		49	
WALL TYPICAL SECTION		50	
BOREHOLE AND DRIVE TESTS		51	
STRUCTURAL STANDARD DETAILS		52-64	
TRAFFIC SIGNALIZATION PLANS, DETAILS AND NOTES		65-80	
SIGNING AND PAVEMENT MARKING NOTES, PLANS, INDEX OF QUANTITIES		81-87	

DISTRICT 3 - E.S.T.	
US 29 (COLUMBIA PIKE) FROM LOCKWOOD DRIVE TO BURNT MILLS AVENUE	
SAFETY AND SPOT IMPROVEMENT PROJECT	
STORMWATER MANAGEMENT PLAN & DETAILS	
SCALE <u>N/A</u> ADVERTISED DATE <u> </u> CONTRACT NO. <u>XX2295A76</u>	
DESIGNED BY <u>BLS</u> COUNTY <u>MONTGOMERY</u>	
DRAWN BY <u>BLS</u> LOGMILE <u>15002903.86 TO 15002904.09</u>	
CHECKED BY <u>ETK</u>	
PRD NO. <u>24-PR-0036-01</u>	
DRAWING NO. SW-03 OF 03	SHEET NO. 32 OF 67



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INLET PROTECTION		
INLET NO.	DRAINAGE AREA (AC)	PROTECTION
I-501	0.28	SIP
EX-I-501	0.25	SIP
EX-I-502	0.37	SIP

SUPER SILT FENCE (SSF)		
53 L.F.	SSF-401	STA. 112+55 TO STA. 112+91, RT.

CONSTRUCTION EXIT TRACKOUT MAT		
1 EA.	CETM-401	STA. 112+40 TO STA. 112+85, RT.


12' CLEAR WATER DIVERSION (CWD)		
21 L.F.	CWD-401	STA. 112+81 TO STA. 112+67, RT.
19 L.F.	CWD-402	STA. 112+67 TO STA. 112+67, RT.

SAND BAG DIKE (SBD)		
21 L.F.	SBD-401	STA. 112+57 TO STA. 112+66, RT.
23 L.F.	SBD-402	STA. 112+76 TO STA. 112+83, RT.

TIMBER CONSTRUCTION MAT		
623 S.F.	TCM-401	STA. 112+67 TO STA. 113+04, RT.

TREE PROTECTION FENCE (TPF)		
294 L.F.	TPF-401	STA. 112+50 TO STA. 112+75, RT.

- HISTORIC WALL NOTES:**
1. PROTECT THE HISTORIC WALL THROUGHOUT CONSTRUCTION ACTIVITIES. USE PLYWOOD, PLASTIC SHEETING, AND OTHER MEANS TO PROTECT THE WALL FROM EXTERIOR DAMAGE.
 2. USE APPROPRIATE MEANS AND METHODS TO PREVENT THE WALL FROM MOVEMENT, PRESERVING THE EXISTING WALL LINES AND GRADES.
 3. THE CONTRACTOR SHALL COVER THE HISTORIC WALLS WITH PLASTIC SHEETING BEFORE THE CONSTRUCTION BEGINS TO PROTECT THE WALLS FROM ASPHALT SPLATTER.
 4. THE CONTRACTOR SHALL IDENTIFY ANY OTHER ITEMS THAT MAY CAUSE DAMAGE TO THE HISTORIC WALLS AND TAKE MEASURE TO PROTECT THE HISTORIC WALLS AT ALL COST.



MARYLAND DEPARTMENT OF TRANSPORTATION

STATE HIGHWAY ADMINISTRATION

DISTRICT 3 – E.S.T.

US 29 (COLUMBIA PIKE)
FROM LOCKWOOD DRIVE TO
BURNT MILLS AVENUE


SAFETY AND SPOT IMPROVEMENT PROJECT


EROSION AND SEDIMENT CONTROL PLANS

SCALE 1" = 20' ADVERTISED DATE CONTRACT NO. XX2296A76

DESIGNED BY BLS COUNTY MONTGOMERY
DRAWN BY BLS LOGMILE 15002903.86 TO 15002904.09
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PRD NO. 24-PR-0036-01









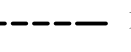




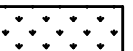
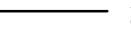


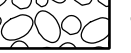


DRAWING NO. ES - 04 OF 05 SHEET NO. 42 OF 67

STORMWATER & SEDIMENT CONTROL FINAL APPROVAL	APPROVED MODIFICATIONS		CROSS REFERENCE	
<div><p>APPROVED</p><p>PLAN REVIEW DIVISION CHIEF</p><p>3/19/25</p><p>DATE</p><p>PRD No. 24-PR-0036-01</p></div>			ITEM	SHEET NOS.
			GENERAL NOTES AND ABBREVIATIONS	2
			TYPICAL SECTIONS AND ROADWAY DETAILS	3-7
			GEOMETRY SHEET	8-13
			ROADWAY PLANS	14-24
			MAINTENANCE OF TRAFFIC	25-29
			DRAINAGE PIPE PROFILES, STRUCTURE SCHEDULE AND DETAILS	30-32
			STORMWATER MANAGEMENT PLANS, CERTIFICATION AND DETAILS	33-39
			EROSION AND SEDIMENT CONTROL NOTES AND DETAILS	40-48
			LIMIT OF DISTURBANCE	49
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		LANDSCAPE PLANS	60	
		RETAINING WALL - GENERAL PLAN, ELEVATION AND NOTES	61	
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		BORING AND DRIVE TESTS	63-64	
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		TRAFFIC SIGNALIZATION PLANS, DETAILS AND NOTES	70-74	
		SIGNING AND PAVEMENT MARKING NOTES, PLANS, INDEX OF QUANTITIES	75-87	

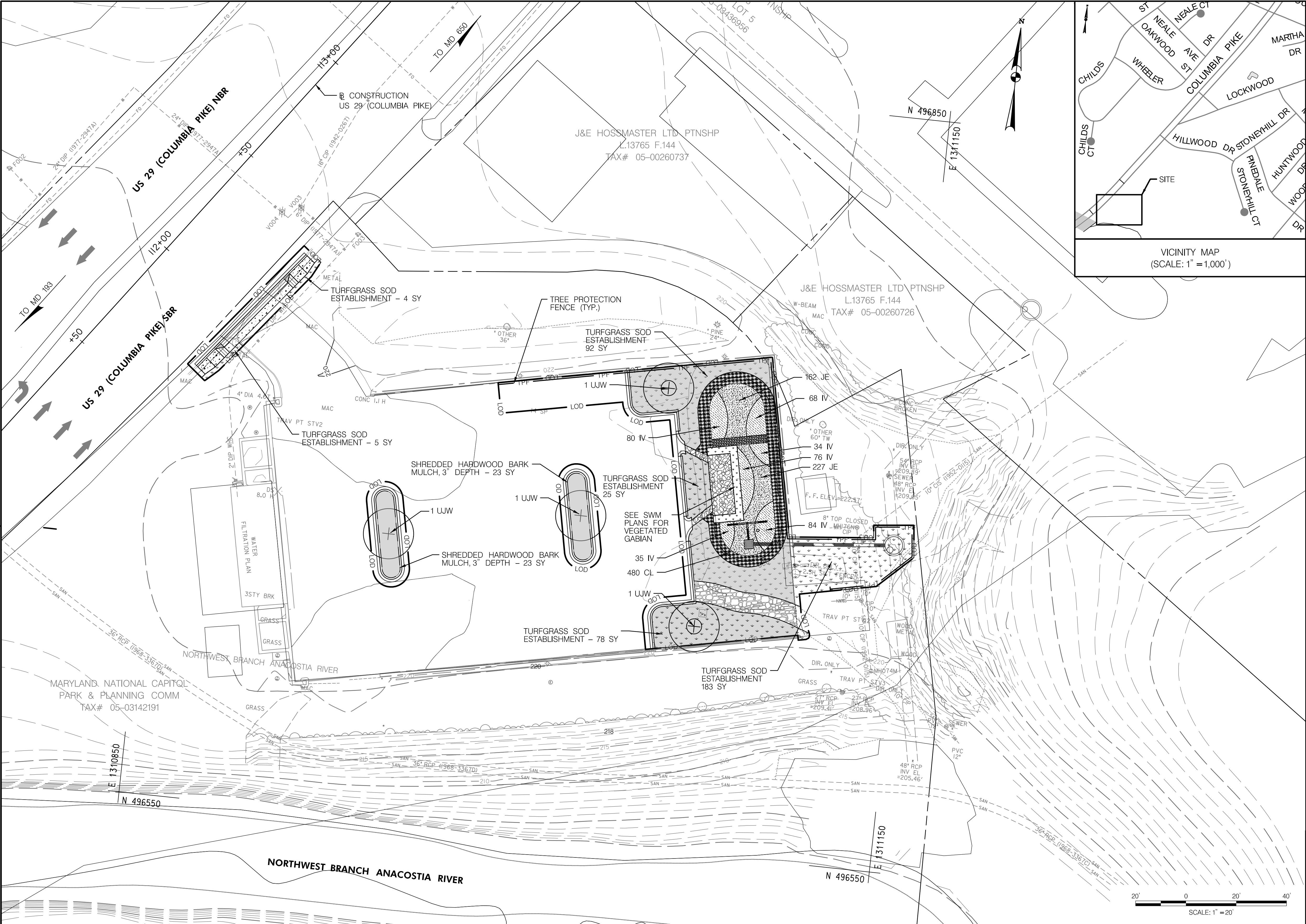


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LEGEND


	FULL DEPTH PAVEMENT		DETECTABLE WARNING SURFACE		2' GIS EXISTING CONTOUR
	MILL AND RESURFACE		SAME DAY STABILIZATION		1' SURVEY EXISTING CONTOUR
	WEDGE AND LEVEL		CLASS 1 EXCAVATION		EXISTING RIGHT OF WAY
	CONCRETE SIDEWALK		LOD STAKEOUT NUMBER		PROPOSED RIGHT OF WAY
	8 INCH PORTLAND CEMENT CONCRETE FOR DRIVEWAY		VEGETATED GABION WEIR		PROPOSED TEMPORARY CONSTRUCTION EASEMENT
	PEDESTRIAN PATH		12' CLEAR WATER DIVERSION		GRAVEL FOREBAY
	SAND BAG DIKE				TIMBER CONSTRUCTION MAT

BY: HovK -



QUANTITY NOTES					
PLANT SCHEDULE (THIS SHEET ONLY):					
QTY.	KEY	BOTANICAL / COMMON NAME	SIZE	ROOT	SPACING
DECIDUOUS TREES					
4	UJW	ULMUS JAPONICA x WILSONIANA 'MORTON' / ACCOLADE ELM	2 1/2" CAL.	B&B	AS SHOWN
PERENNIALS AND ORNAMENTAL GRASSES					
480	CL	CHASMANTHIUM LATIFOLIUM / NORTHERN SEA OATS	-	#1 CONT.	15' OC
377	IV	IRIS VERSICOLOR / NORTHERN BLUE FLAG	-	#1 CONT.	15' OC
389	JE	JUNCUS EFFUSES / SOFT RUSH	-	#1 CONT.	15' OC
MISCELLANEOUS					
TURFGRASS SOD ESTABLISHMENT					387 SY
REFERTILIZING					387 SY
SHREDDED HARDWOOD BARK MULCH, 3 IN. DEPTH					46 SY

- NOTES:
- REFER TO STORMWATER MANAGEMENT DETAILS (SHEET SW-01) FOR BIORETENTION SOIL MIX IN BOTTOM OF SUBMERGED GRAVEL WETLAND FACILITY. SIDE SLOPES TO RECEIVE 4" TOPSOIL AND BE PLANTED.
 - FOR AREAS OF PAVEMENT REMOVAL PERFORM FULL DEPTH REMOVAL OF EXISTING PAVEMENT AND AGGREGATE BASE, PLACE 18 INCH DEPTH FURNISHED SUBSOIL, 6 INCH FURNISHED TOPSOIL AND TURFGRASS SOD UNLESS OTHERWISE NOTED.
 - REFER TO ROADWAY PLAN (SHEET PS-04) FOR HISTORIC WALL PROTECTION MEASURES, MEASURES TO BE IN PLACE AT ALL TIMES DURING ALL CONSTRUCTION ACTIVITIES.
 - FOR TREE PROTECTION FENCE QUANTITIES, REFER TO EROSION AND SEDIMENT CONTROL PLANS.



MONTGOMERY COUNTY
MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION




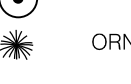



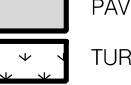

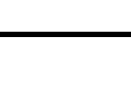

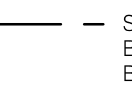
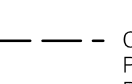
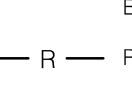
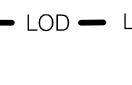
DISTRICT 3 – E.S.T.

US 29 (COLUMBIA PIKE)
FROM LOCKWOOD DRIVE TO
BURNT MILLS AVENUE

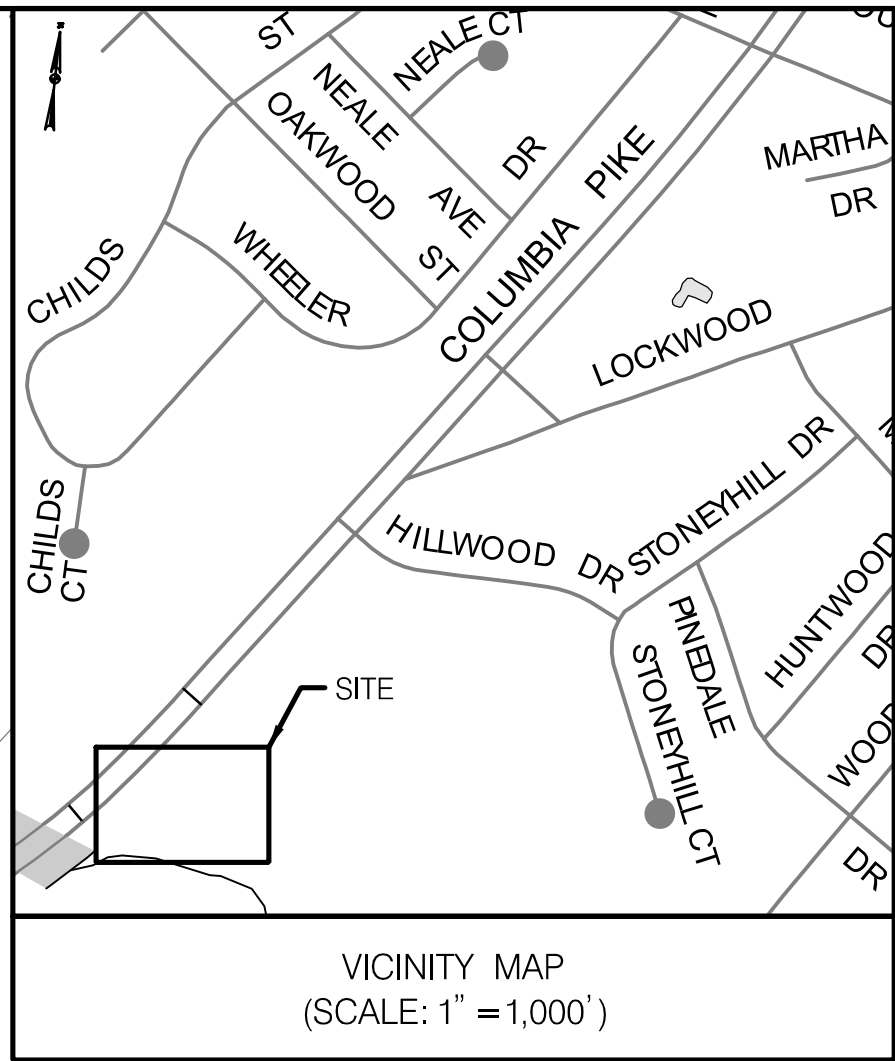
SAFETY AND SPOT IMPROVEMENT PROJECT



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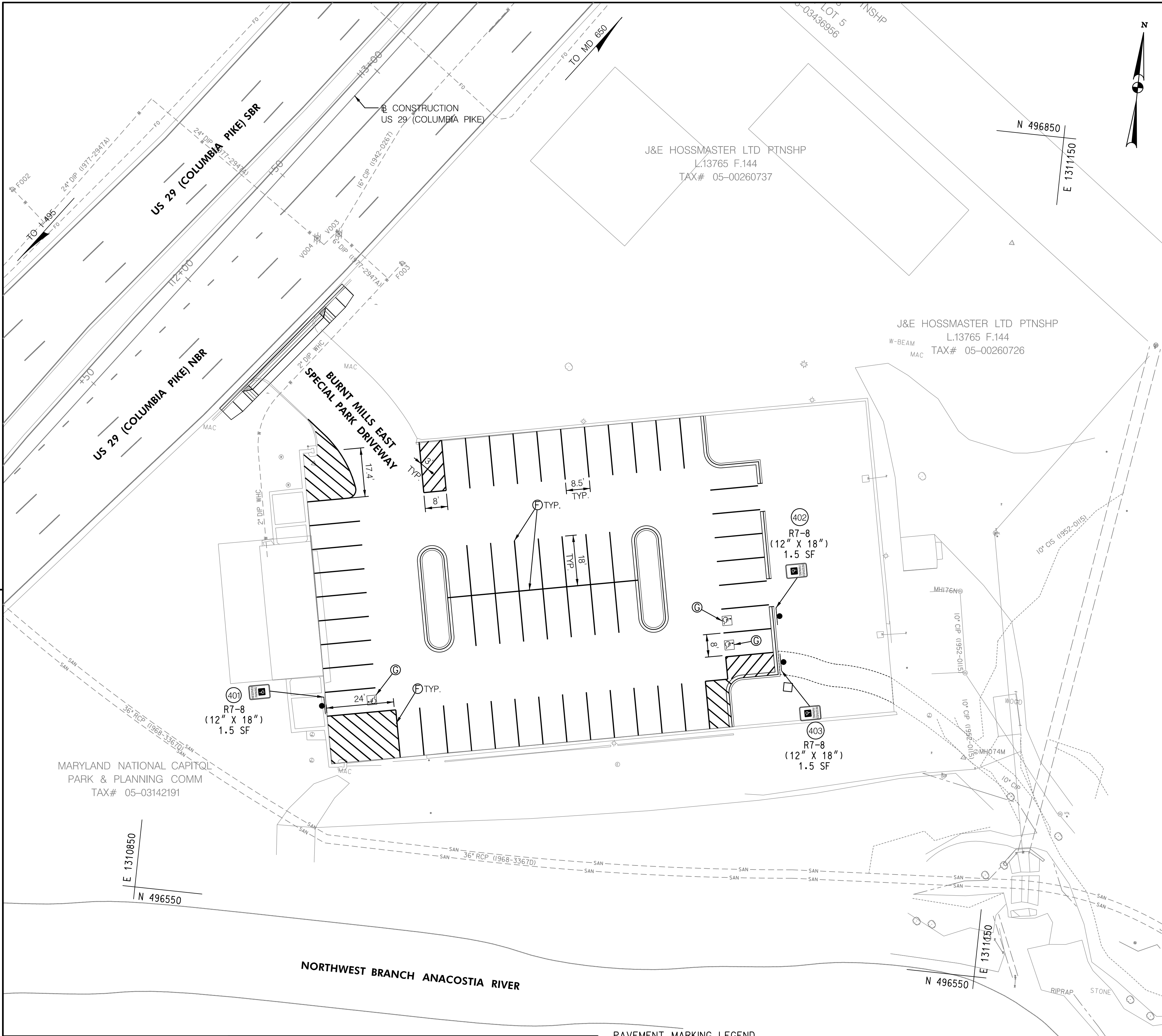
LANDSCAPE LEGEND		CROSS REFERENCE	
	EXISTING TREE (TO BE REMOVED)		EVERGREEN SHRUB
	TREE PROTECTION FENCE (TPF)		DECIDUOUS SHRUB
	DECIDUOUS TREE		ORNAMENTAL GRASS
	ORNAMENTAL TREE		PERENNIAL
	EVERGREEN TREE		PAVEMENT REMOVAL
			TURFGRASS SOD
			SHREDDED HARDWOOD BARK MULCH BOUNDARY
			CONSTRUCTING PLANTING BEDS BOUNDARY
			ROOT PRUNING
			LIMIT OF DISTURBANCE

REVISIONS	R / W PLAT NUMBER	LANDSCAPE PLAN
ITEM SHEET NOS.		SCALE 1" = 20' ADVERTISED DATE CONTRACT NO. XX2296A76
GENERAL NOTES AND ABBREVIATIONS.....2		DESIGNED BY KTL COUNTY MONTGOMERY
TYPICAL SECTIONS AND ROADWAY DETAILS.....3-7		DRAWN BY KTL LOGMILE 15002903.86 TO 15002904.09
GEOMETRY SHEET.....8		CHECKED BY HLE TMS NO. TBD
MAINTENANCE OF TRAFFIC.....9-13		PRD NO. 24-PR-0036-01 TOD NO.
DRAINAGE PIPE PROFILES STRUCTURE SCHEDULE AND DETAILS.....14-24		
STORMWATER MANAGEMENT PLANS CERTIFICATION AND DETAILS.....25-29		
EROSION AND SEDIMENT CONTROL NOTES AND DETAILS.....30-32		
LIMIT OF DISTURBANCE.....33-39		
SEQUENCE OF CONSTRUCTION.....40-43		
EROSION AND SEDIMENT CONTROL PLANS.....44-48		
RETAINING WALL - GENERAL PLAN ELEVATION AND NOTES.....49		
WALL TYPICAL SECTION.....50		
BORING AND DRIVE TESTS.....51		
STRUCTURAL STANDARD DETAILS.....52-54		
TRAFFIC SIGNALIZATION PLANS, DETAILS AND NOTES.....55-60		
SIGNING AND PAVEMENT MARKING NOTES, PLANS, INDEX OF QUANTITIES.....61-67		



GENERAL NOTES:

1. SQUARE PERFORATED TUBULAR STEEL SIGN SUPPORTS INSTALLED IN CONCRETE SHALL BE INSTALLED WITH SLEEVED FOUNDATIONS AS PER STANDARDS MD 812.05-01 AND MD 812.05-02.
2. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
3. ALL PAVEMENT MARKING LANE WIDTH DIMENSIONS ARE FROM CENTER OF MARKING TO FACE OF CURB FOR THE INSIDE/OUTSIDE LANES AND FROM CENTER OF MARKING TO CENTER OF MARKING FOR ALL OTHERS.
4. REFER TO STANDARD NO. MD 550.01 AND FIGURE 3B-22 OF THE 2011 MDMUTCD FOR INTERNATIONAL SYMBOL OF ACCESSIBILITY PARKING SPACE MARKING DETAILS.



BY: HovK -



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SIGNING LEGEND

SYMBOL	DESCRIPTION
	EXISTING GROUND MOUNTED SIGN AND SUPPORTS
	PROPOSED GROUND MOUNTED SIGN AND SUPPORTS
	EXISTING SIGN TO REMAIN
	EXISTING SIGN TO BE REMOVED
	PROPOSED SIGN TO BE INSTALLED

PAVEMENT MARKING LEGEND

- ① 5 INCH SOLID WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING
- ② 5 INCH SOLID DOUBLE YELLOW LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING
- ③ 5 INCH SOLID YELLOW LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING
- ④ 5 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING (3' STRIPE, 3' GAP, 3' STRIPE)
- ⑤ 5 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING (10' STRIPE, 30' GAP, 10' STRIPE)
- ⑥ 5 INCH WHITE PAVEMENT MARKING PAINT LINES
- ⑦ WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS
- ⑧ REMOVE EXISTING PAVEMENT MARKINGS
- ⑨ 15 INCH SOLID WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING
- ⑩ 24 INCH SOLID WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING

PLOTTED: Monday, June 09, 2025 AT 11:37 AM



DISTRICT 3 - E.S.T.

US 29 (COLUMBIA PIKE)
FROM LOCKWOOD DRIVE TO
BURNT MILLS AVENUE

SAFETY AND SPOT IMPROVEMENT PROJECT

SIGNING AND PAVEMENT MARKING PLAN

SCALE: 1" = 20' ADVERTISED DATE: _____ CONTRACT NO.: XX2296A76

DESIGNED BY: NC COUNTY: MONTGOMERY
DRAWN BY: NC LOGMILE: 15002903.86 TO 15002904.09
CHECKED BY: MCG TMS NO.: 0035
PRD NO.: 24-PR-0036-01 TOD NO.: _____

DRAWING NO. SN-2.4 OF 2.5 SHEET NO. 65 OF 67