JOHN WALTER SMITH PARK ENGINEERING PLANS

SNOWHILL, MARYLAND

GMB FILE NO. 250038

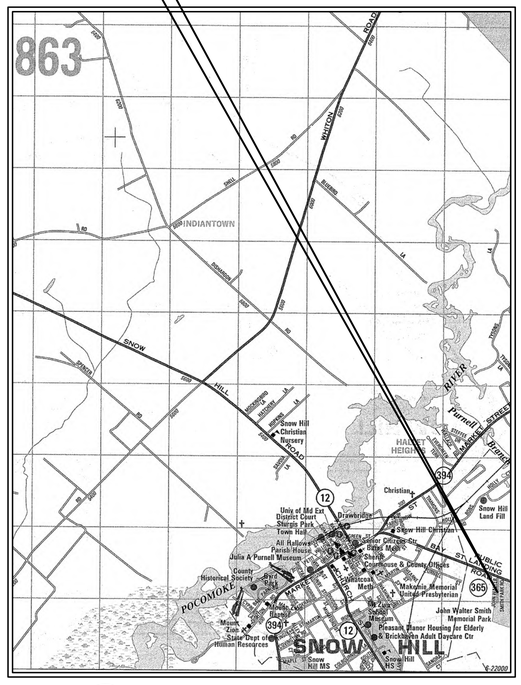
CONSTRUCTION NOTES

1. EXISTING CONDITIONS WERE DERIVED FROM SURVEY CONDUCTED BY WILKINS–NOBLE, LLC., ON APRIL 17, 2025.
2. EXISTING UTILITIES ARE SHOWN ACCORDING TO THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING UTILITIES THROUGH TEST PITTING, THE LOCATIONS, SIZE, AND INVERT ELEVATIONS OF ALL UNDERGROUND UTILITIES AS REQUIRED TO GIVE TIMELY ADVANCE NOTICE TO ENGINEERS OF ANY CONFLICT BETWEEN EXISTING AND NEW WORK.
3. THE CONTRACTOR SHALL NOTIFY BOBBY SHOCKLEY WITH THE WORCESTER COUNTY GOVERNMENT ENVIRONMENTAL PROGRAMS (410–632–1220) 48 HOURS PRIOR TO EXCAVATION TO HAVE UNDERGROUND UTILITIES MARKED. THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS PRIOR TO ANY EXCAVATION.
4. THE CONTRACTOR SHALL REPAIR OR REPLACE IN KIND ANY EXISTING FEATURES DAMAGED OR DESTROYED DURING CONSTRUCTION.
5. ALL BACK FILLED AND DISTURBED AREAS TO BE SEEDED AND MULCHED WITH 4" OF TOPSOIL TO BE PLACED IN FILL AREAS (WITHIN 14 DAYS).
6. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY STAKE OUT OF LINE AND GRADE FOR UTILITIES, STREET, DRIVEWAYS, ETC. STAKEOUT SHALL BE PERFORMED BY A MARYLAND LICENSED SURVEYOR.
7. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT, LATEST EDITION, AND ALL RULES AND REGULATIONS THERETO.
8. THE CONTRACTOR SHALL KEEP EXISTING UTILITIES IN OPERATION DURING CONSTRUCTION.
9. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF ALL PERMITS SECURED, WHICH TAKE PRECEDENCE OVER SPECIFICATIONS.
10. THE CONTRACTOR SHALL EXERCISE EXTREME CARE AND CAUTION AND TAKE MEASURES NECESSARY TO PROTECT TREES DURING CONSTRUCTION ACTIVITY.
11. THE CONTRACTOR IS RESPONSIBLE FOR SECURING AND PROTECTING UTILITY POLES BEFORE AND DURING CONSTRUCTION ACTIVITIES.
12. ANY DISTURBED AREAS OUTSIDE THE RIGHT–OF–WAY SHALL BE RESTORED TO THEIR ORIGINAL CONDITION IMMEDIATELY.
13. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE "WORCESTER COUNTY DESIGN GUIDELINES AND STANDARDS FOR COMMERCIAL USE" MANUAL.
14. ELECTRIC & TELEPHONE, CABLE, UTILITIES ARE TO BE COORDINATED & DESIGNED TO WORCESTER COUNTY, MARYLAND SPECIFICATIONS BY THE APPROPRIATE UTILITY PROVIDER.
15. MDE NOTICE OF INTENT (NOI) FOR STORMWATER DISCHARGES REGISTRATION TO BE SUBMITTED UPON APPROVAL OF EROSION & SEDIMENT CONTROL PLANS.
16. IT HAS BEEN FIELD VERIFIED THAT THE FOLLOWING NATURAL RESOURCES ARE NOT PRESENT WITHIN THE PROJECT LIMIT OF DISTURBANCE: TIDAL AND NONTIDAL WETLANDS, WETLANDS OF SPECIAL STATE CONCERN, WETLAND BUFFERS, STREAM BUFFERS, PERENNIAL STREAMS, FLOODPLAINS, FORESTS, FOREST BUFFERS, AND CRITICAL AREAS.
17. NO HABITAT PROTECTION AREA WITHIN THE NON–TIDAL WETLANDS, THREADED/ENDANGERED SPECIES OR ANADROMOUS FISH PRESENT ON SITE AS REFERENCED IN WORCESTER COUNTY CODE SECTIONS NR 3–120.

GENERAL NOTE

1. WORCESTER COUNTY ATLANTIC COASTAL BAYS CRITICAL AREA LAW: THIS PROPERTY DOES NOT LIE WITHIN THE CRITICAL AREA.
2. CONTRACTOR TO CONTACT AND COORDINATE COUNTY INSPECTION OF THE FOLLOWING CONSTRUCTION:
   WCDEP: ESC–PERIMETER CONTROLS, TEMPORARY SEDIMENT BASINS, SWM BMP'S, FINAL STABILIZATION, LANDSCAPING, REMOVAL OF CONTROLS.
3. POST–CONSTRUCTION OPERATION, MAINTENANCE, AND INSPECTION:
   THE OWNER WILL COORDINATE ROUTINE INSPECTION IN ACCORDANCE WITH THE APPROVED STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
4. A FOREST CONSERVATION PLAN WAS PREVIOUSLY COMPLETED FOR THE SITE IN 2008.

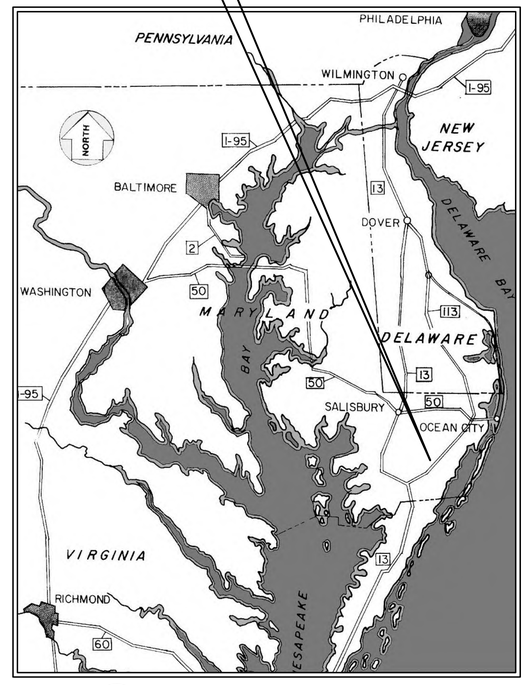
SITE



LOCATION MAP

SCALE: 1" = 2000'

SNOW HILL



VICINITY MAP

SCALE: 1" = 20 MILES

LIST OF DRAWINGS

SITE DATA

SITE ADDRESS:	APPROXIMATELY 1,500LF WEST OF INTERSECTION AT PUBLIC LANDING ROAD AND WORCESTER HIGHWAY 113, SNOW HILL, MD 21863
TAX MAP & PARCEL:	MAP: 63 GRID: 0012 PARCEL: 140
DEED REFERENCE:	SVH 442/629
PLAT BOOK:	230006 0223/0050
LATITUDE:	38.172896
LONGITUDE:	–75.378687
TOTAL SITE AREA:	±88.28 ACRES (349,773 SF)
TOTAL DISTURBED SITE AREA:	±3.04 ACRES (132,493 SF)
TOTAL CRITICAL AREA: (INTENSELY DEVELOPED AREA)	±0.00 ACRES
TOTAL WETLANDS AREA:	±0.00 ACRES
ZONING CLASSIFICATION:	R–2 (SUBURBAN RESIDENTIAL)
FLOOD PLAIN:	AREA OF MINIMAL FLOOD HAZARD ZONE X PER FEMA MAP 24047C0242H REVISED 7/16/2015
SOILS:	CEDARTOWN–ROSEDALE COMPLEX; MATTAPEX FINE SANDY LOAM; SASSAFRAS SANDY LOAM; WOODSTOWN SANDY LOAM
PROPOSED USE:	PROPOSED PARKING
EXISTING IMPERVIOUS AREA:	±2.60 ACRES (85.6%)
PROPOSED IMPERVIOUS AREA:	±2.25 ACRES (73.9%)
REDUCTION OF IMPERVIOUS AREA:	±0.35 ACRES (11.7%)
ZONING CODE:	
R–2 ZONING	
FRONT SETBACK:	N/A
SIDE YARD SETBACK:	N/A
MAX BUILDING HEIGHT:	N/A

LAND OWNER/APPLICANT CERTIFICATION:

"I, THE UNDERSIGNED, HEREBY CERTIFY THAT I ANY CLEARING, GRADING, CONSTRUCTION, OR DEVELOPMENT WILL BE DONE PURSUANT TO THE APPROVED EROSION AND SEDIMENT CONTROL PLAN, INCLUDING INSPECTING AND MAINTAINING CONTROLS, AND THAT THE RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF TRAINING AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT PRIOR TO BEGINNING THE PROJECT. ADDITIONALLY, THE OWNER OR DEVELOPER SHALL CERTIFY RIGHT OF ENTRY FOR PERIODIC ON–SITE EVALUATION BY THE APPROPRIATE ENFORCEMENT AUTHORITY AND/OR MDE.

2/13/2026
DATE

ENGINEER'S CERTIFICATION:

"I CHRISTOPHER J. PFEIFER., P.E. HEREBY CERTIFY THAT I AM A REGISTERED ENGINEER IN THE STATE OF MARYLAND AND THAT THE INFORMATION SHOWN ON DRAWINGS HAS BEEN PREPARED UNDER MY SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF REPRESENTS GOOD ENGINEERING PRACTICES AS REQUIRED BY THE LATEST EDITION OF THE TOWN STANDARDS AND ALL APPLICABLE LAWS OF THE STATE OF MARYLAND."

2/13/2026
DATE

CHRISTOPHER J. PFEIFER P.E.
LICENSE #56492 EXP. SEPTEMBER 29, 2026

OWNER'S CERTIFICATION:

"I, THE UNDERSIGNED, CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THE PLANS HAVE BEEN DEVELOPED IN GENERAL CONFORMANCE WITH ALL APPLICABLE AGREEMENTS, LAWS AND REGULATIONS OF THE AGENCIES HAVING JURISDICTION OVER THE WORK AND SPECIFICALLY WITH THE TOWN STANDARDS, TOWN CODE AND THE EXECUTED PUBLIC WORKS AGREEMENT."

2/13/2026
DATE

JACOB STEPHENS
DEPUTY DIRECTOR OF RECREATION AND PARKS
DEPARTMENT OF RECREATION AND PARKS
WORCESTER COUNTY GOVERNMENT

CONTACTS

OWNER/DEVELOPER:	OFFICE OF THE COUNTY COMMISSIONERS WORCESTER COUNTY, MARYLAND 1 WEST MARKET STREET SNOW HILL, MARYLAND 21863 PHONE: 410–632–3131 CONTACT: THEODORE J. ELDER
CIVIL ENGINEER:	GEORGE, MILES & BUHR, LLC 206 WEST MAIN STREET SALISBURY, MARYLAND 21801 PHONE: 410–742–3115 CONTACT: CHRISTOPHER J. PFEIFER, P.E.
SURVEYOR:	WILKINS–NOBLE, LLC 11729 CHURCH STREET PRINCESS ANNE, MARYLAND 21853 PHONE: 410–621–0321 CONTACT: ANDY WILKINS

GMB
GEORGE, MILES & BUHR, LLC
ARCHITECTS & ENGINEERS
SALISBURY • BALTIMORE • SEAFORD
206 WEST MAIN STREET
SALISBURY, MARYLAND 21801
410–742–3115, FAX 410–548–5790
www.gmbnet.com

OCTOBER 2025

LEGEND

EXISTING	PROPOSED
PROPERTY LINE/RIGHT OF WAY	CONTOUR
CONTOUR	LIMITS OF DISTURBANCE
EXISTING WETLANDS	SILT FENCE
WOODS LINE	SUPER SILT FENCE
CURBING & EDGE OF PAVEMENT	SOIL BOUNDARY
25' WETLAND BUFER	STORM DRAIN INLET, MANHOLE, YARD DRAIN
EX. STORMWATER UTILITY EASEMENT	SANITARY SEWER, MANHOLE AND CLEANOUT
EX. OVERHEAD UTILITY LINE	WATER
	RIPRAP OUTLET PROTECTION
	INLET PROTECTION
	CONCRETE WASHOUT
	MAINTENANCE SET ASIDE AREA
	TEMPORARY SEDIMENT BASIN
	STABILIZATION MATTING – SLOPE (SSM–II) NORTH AMERICAN GREEN ROLLMAX BIONET S150BN
	STABILIZED CONSTRUCTION ENTRANCE

PRINTS ISSUED FOR: REVIEW

NO.	REVISIONS	DATE

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JOHN WALTER SMITH PARK
SNOW HILL, MARYLAND

STATE OF MARYLAND
CHRISTOPHER J. PFEIFER
56492
PROFESSIONAL ENGINEER
10/13/2026

ENGINEERING PLAN COVER SHEET

SCALE	: AS NOTED	SHEET NO.
DESIGN BY	: JRS	G1.0
DRAWN BY	: RFT	
CHECKED BY	: CJP	
GMB FILE	: 250038	
DATE	: OCT 2025	

G:\Projects\2025\250038 John Water Smith Park Site & Civil ENG\Drawings\Working Sets\Engineering Plans\G1.0 Engineering Plan Cover Sheet.dwg, 2/12/2026 2:04 PM, Richard F. Thomas

PLOT CODE
FENZ–BLUE (.25mm) J03 INCHES (.25mm)
FENZ–GREEN (.25mm) J03 INCHES (.25mm)
FENZ–YELLOW (.25mm) J03 INCHES (.25mm)
FENZ–RED (.25mm) J06 INCHES (.25mm)
FENZ–MAGENTA (.25mm) J07 INCHES (.25mm)
FENZ–WHITE (.25mm) J09 INCHES (.25mm)

JOHN WALTER SMITH PARK SEDIMENT & STORMWATER MANAGEMENT PLANS

SNOW HILL, MARYLAND

GMB FILE NO. 250038

LIST OF DRAWINGS

GENERAL NOTES

1. EXISTING CONDITIONS WERE DERIVED FROM SURVEY CONDUCTED BY WILKINS–NOBLE, LLC., ON APRIL 17, 2025.
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16. ALL PHASES OF STORMWATER MANAGEMENT CALCULATIONS, STRUCTURE DESIGN AND CONSTRUCTION WILL ADHERE TO CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR STORMWATER MANAGEMENT AND THE STORMWATER MANAGEMENT PLAN FOR THIS SITE. ALL INFORMATION SET FORTH IN THIS PLAN ACCURATELY CONVEYS THIS SITE'S CONDITIONS TO THE BEST OF MY KNOWLEDGE. ALL STRUCTURAL DEVICES FOR STORMWATER MANAGEMENT WILL BE PROTECTED BY PROPER SOIL EROSION AND SEDIMENT CONTROL DEVICES UNTIL ALL CONTRIBUTING AREAS HAVE PASSED FINAL STABILIZATION INSPECTION. UPON COMPLETION OF THE PROJECT, AN AS–CONSTRUCTED SURVEY, NOTICE OF CONSTRUCTION COMPLETION (NOCC), AND LETTER OF CERTIFICATION MUST BE SUBMITTED TO THE DEPARTMENT, EXCEPT INDIVIDUAL SINGLE FAMILY DWELLINGS. ONCE REVIEW IS COMPLETE AND APPROVED, A CERTIFICATE OF OCCUPANCY CAN BE ISSUED.
17. THE CONTRACTOR AND OWNER SHALL PROVIDE SUPERVISION AND CERTIFICATION OF ALL CONSTRUCTION OF STORMWATER MANAGEMENT PRACTICES THAT PROVIDE INFILTRATION AND FILTERING, BY A PROFESSIONAL ENGINEER DULY LICENSED IN THE STATE OF MARYLAND.
18. THE SWM INSPECTOR SHALL BE NOTIFIED PRIOR TO INITIATION OF ANY CONSTRUCTION WORK.
19. NO HABITAT PROTECTION AREA WITHIN THE NON–TIDAL WETLANDS, THREADED/ENDANGERED SPECIES OR ANADROMOUS FISH PRESENT ON SITE AS REFERENCED IN WORCESTER COUNTY CODE SECTIONS NR 3–120.
20. WORCESTER COUNTY ATLANTIC COASTAL BAYS CRITICAL AREA LAW: THIS PROPERTY DOES NOT LIE WITHIN THE CRITICAL AREA.
21. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO ENSURE THAT STABILIZED AREAS CONTINUOUSLY MEET THE APPROPRIATE REQUIREMENTS OF "2011 MARYLAND STANDARDS OF SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL."
22. APPROVED PLANS REMAIN VALID FOR 3 YEARS FROM THE DATE OF APPROVAL, WITH THE EXCEPTION OF SURFACE MINE AND LANDFILL PLANS WHICH REMAIN VALID FOR 5 YEARS FROM THE DATE OF APPROVAL UNLESS SPECIFICALLY EXTENDED OR RENEWED BY THE APPROVAL AUTHORITY.
23. A MARYLAND DEPARTMENT OF THE ENVIRONMENT NOTICE OF INTENT (NOI) GENERAL PERMIT FOR CONSTRUCTION ACTIVITY IS REQUIRED FOR ALL CONSTRUCTION ACTIVITY IN MARYLAND WITH A PLANNED TOTAL DISTRUBANCE OF 1 ACRE OR MORE.
24. AS MANDATED BY THE NOTICE OF INTENT (NOI) GENERAL PERMIT ISSUED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT, AN INSPECTION MUST BE PERFORMED ONSITE OF ALL SEDIMENT CONTROLS ON A WEEKLY BASIS AND AFTER EVERY RAINFALL EVENT. ALL SELF INSPECTIONS MUST BE MAINTAINED ALONG WITH ALL APPLICABLE GOVERNING AGENCY INSPECTION REPORTS IN A LOG BOOK, TO BE KEPT ONSITE AT ALL TIMES.

LAND OWNER/APPLICANT CERTIFICATION:

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2/13/2026
DATE

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2/13/2026
DATE

CHRISTOPHER J. PFEIFER P.E.
LICENSE #56492 EXP. SEPTEMBER 29, 2026

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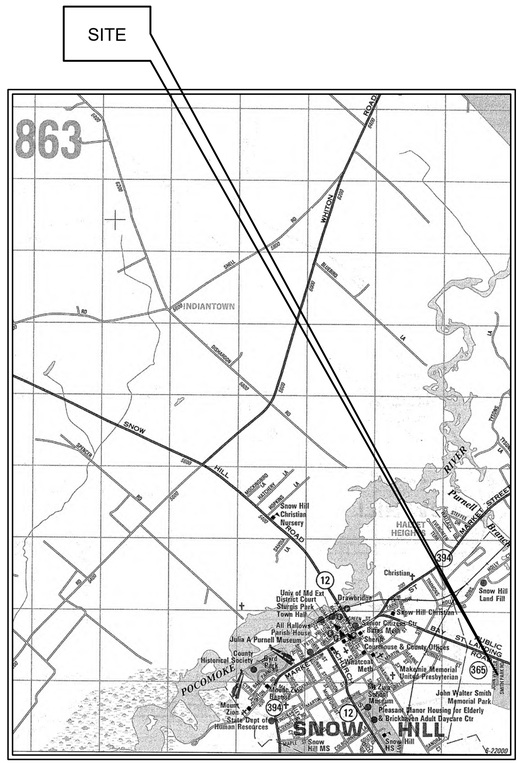
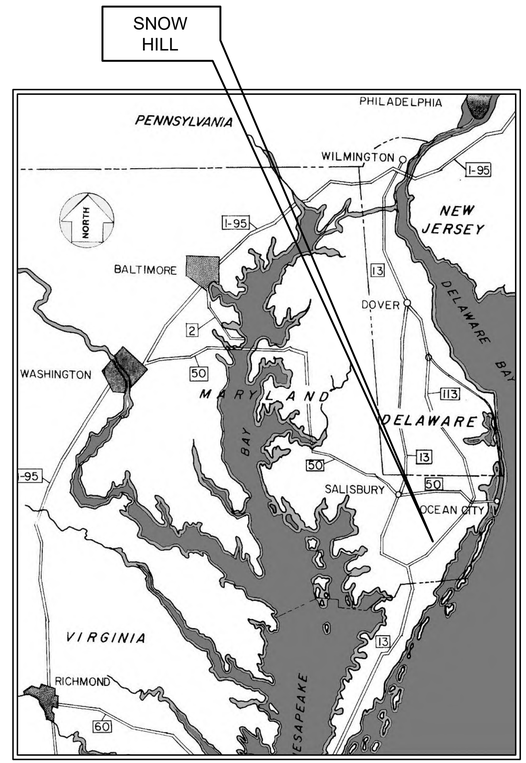
2/13/2026
DATE

JACOB STEPHENS
DEPUTY DIRECTOR OF RECREATION AND PARKS
DEPARTMENT OF RECREATION AND PARKS
WORCESTER COUNTY GOVERNMENT



LOCATION MAP
SCALE: 1" = 2000'



VICINITY MAP
SCALE: 1" = 20 MILES

SITE DATA

SITE ADDRESS:	APPROXIMATELY 1,500LF WEST OF INTERSECTION AT PUBLIC LANDING ROAD AND WORCESTER HIGHWAY 113, SNOW HILL, MD 21863
TAX MAP & PARCEL:	MAP: 63 GRID: 0012 PARCEL: 140
DEED REFERENCE:	SVH 442/629
PLAT BOOK:	230006 0223/0050
LATITUDE:	38.172896
LONGITUDE:	–75.378687
TOTAL SITE AREA:	±88.28 ACRES (349,773 SF)
DISTURBED SITE AREA:	±3.04 ACRES (132,493 SF)
INTENSELY DEVELOPED AREA:	±0.00 ACRES
EXISTING WATERS OF THE US:	±0.00 ACRES
ZONING CLASSIFICATION:	R–2 (SUBURBAN RESIDENTIAL)
FLOOD PLAIN:	AREA OF MINIMAL FLOOD HAZARD ZONE X PER FEMA MAP 24047C0242H REVISED 7/16/2015
SOILS:	CEDARTOWN–ROSEDALE COMPLEX; MATTAPEX FINE SANDY LOAM; SASSAFRAS SANDY LOAM; WOODSTOWN SANDY LOAM
PROPOSED USE:	PROPOSED PARKING
EXISTING IMPERVIOUS AREA:	±2.60 ACRES (85.6%)
PROPOSED IMPERVIOUS AREA:	±2.25 ACRES (73.9%)
REDUCTION OF IMPERVIOUS AREA:	±0.35 ACRES (11.7%)
ZONING CODE:	
R–2 ZONING	
FRONT SETBACK:	N/A
SIDE YARD SETBACK:	N/A
MAX BUILDING HEIGHT:	N/A

LEGEND

EXISTING

- PROPERTY LINE/RIGHT OF WAY
- CONTOUR
- EXISTING WETLANDS
- WOODS LINE
- CURBING & EDGE OF PAVEMENT
- 25' WETLAND BUFER
- EX. STORMWATER UTILITY EASEMENT
- EX. OVERHEAD UTILITY LINE

PROPOSED

- CONTOUR
- LIMITS OF DISTURBANCE
- SILT FENCE
- SUPER SILT FENCE
- SOIL BOUNDARY
- STORM DRAIN INLET, MANHOLE, YARD DRAIN
- SANITARY SEWER, MANHOLE AND CLEANOUT
- WATER
- RIPRAP OUTLET PROTECTION
- INLET PROTECTION
- CONCRETE WASHOUT
- MAINTENANCE SET ASIDE AREA
- TEMPORARY SEDIMENT BASIN
- STABILIZATION MATTING – SLOPE (SSM–II) NORTH AMERICAN GREEN ROLLMAX BIONET S150BN
- STABILIZED CONSTRUCTION ENTRANCE

CONTACTS

OWNER/DEVELOPER:	OFFICE OF THE COUNTY COMMISSIONERS WORCESTER COUNTY, MARYLAND 1 WEST MARKET STREET SNOW HILL, MARYLAND 21863 PHONE: 410–632–3131 CONTACT: THEODORE J. ELDER
CIVIL ENGINEER:	GEORGE, MILES & BUHR, LLC 206 WEST MAIN STREET SALISBURY, MARYLAND 21801 PHONE: 410–742–3115 CONTACT: CHRISTOPHER J. PFEIFER, P.E.
SURVEYOR:	WILKINS–NOBILE, LLC 11729 CHURCH STREET PRINCESS ANNE, MARYLAND 21853 PHONE: 410–621–0321 CONTACT: ANDY WILKINS

GMB
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NOVEMBER 2025

PRINTS ISSUED FOR: REVIEW

NO.	REVISIONS	DATE

GMB
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JOHN WALTER SMITH PARK
SNOW HILL, MARYLAND

STATE OF MARYLAND
CHRISTOPHER J. PFEIFER
56492
PROFESSIONAL ENGINEER
10/13/2026

SEDIMENT AND STORMWATER MANAGEMENT COVER SHEET

SCALE	: AS NOTED
DESIGN BY	: JRS
DRAWN BY	: RFT
CHECKED BY	: CJP
GMB FILE	: 250038
DATE	: OCT 2025

SHEET NO. G1.1

G:\Projects\2025\250038 John Walter Smith Park Site & Civil ENG\Drawings\Working Sets\Engineering Plans\G1.1 Sediment and Stormwater Management Cover Sheet.dwg, 2/12/2026 2:04 PM, Richard F. Thomas

PLOT CODE
PEN1–RED 206 INCHES (.15mm)
PEN2–YELLOW 207 INCHES (.18mm)
PEN3–GREEN 213 INCHES (.25mm)
PEN4–CYAN 214 INCHES (.35mm)
PEN5–BLUE 220 INCHES (.50mm)
PEN6–MAGENTA 227 INCHES (.70mm)
PEN7–WHITE 239 INCHES (1.00mm)

DEMOLITION NOTES

- (A) SAW CUT EXISTING PAVEMENT.
- (B) MILL EXISTING PAVEMENT AND REMOVE BASE AND SUBGRADE AS NECESSARY TO ACHIEVE FINAL GRADES WITHIN ADA PARKING AREAS.
- (C) REMOVE EXISTING BOLLARD (TYPICAL).
- (D) REMOVE COMPACT AREA (PUNCTIONALLY IMPERVIOUS).
- (E) MILL EDGE OF EXISTING ROAD 2" BELOW FINISH GRADE A WIDTH OF 1' FOR PROPOSED PARKING TIE-IN. SEE PAVEMENT TIE-IN DETAIL ON SHEET C9.1.

CONSTRUCTION NOTES

1. EXISTING CONCRETE BOLLARD TO REMAIN, TYPICAL.
2. EXISTING TREE TO REMAIN.
3. EXISTING HANDICAP PARKING SPACE TO BE REINFORCED, TYPICAL.
4. EXISTING BUILDING TO REMAIN.
5. EXISTING BASKETBALL COURTS TO REMAIN.
6. EXISTING SOFTBALL/BASEBALL FIELD TO REMAIN, TYPICAL.
7. EXISTING VOLLEYBALL COURT TO REMAIN.
8. EXISTING ASPHALT SIDEWALK TO REMAIN.
9. EXISTING PARKING APRON/ENTRANCE TO REMAIN.
10. EXISTING CONCRETE PAD TO REMAIN.
11. EXISTING CONCRETE SIDEWALK TO REMAIN.
12. EXISTING IRRIGATION VALVE TO REMAIN.
13. EXISTING WELL VALVE TO REMAIN.
14. EXISTING 18-INCH RCP CULVERT TO REMAIN.
15. EXISTING 12-INCH CMP PIPE TO REMAIN.
16. EXISTING PORTABLE BATHROOM TO REMAIN.
17. EXISTING BLEACHERS TO REMAIN, TYPICAL.
18. EXISTING BENCH TO REMAIN, TYPICAL.

LEGEND

EXISTING

- PROPERTY LINE/RIGHT OF WAY
- BUILDING — EXISTING BUILDING
- MILL PAVEMENT AND BASE
- DEMOLITION
- COMPACTED AREA (PUNCTIONALLY IMPERVIOUS)
- CURBING & EDGE OF PAVEMENT
- 8"SS — SEWER MAIN
- W — WATER MAIN
- FM — FORCE MAIN
- OHW — OVERHEAD WIRE (ELECTRIC)
- E — ELECTRIC LINE
- G — GAS LINE

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GEORGE, MILES & BUHR, LLC
ARCHITECTS & ENGINEERS
SALISBURY • BALTIMORE • SEAFORD
206 WEST MAIN STREET
SALISBURY, MARYLAND 21801
410-742-3115, FAX 410-548-5790
www.gmbnet.com

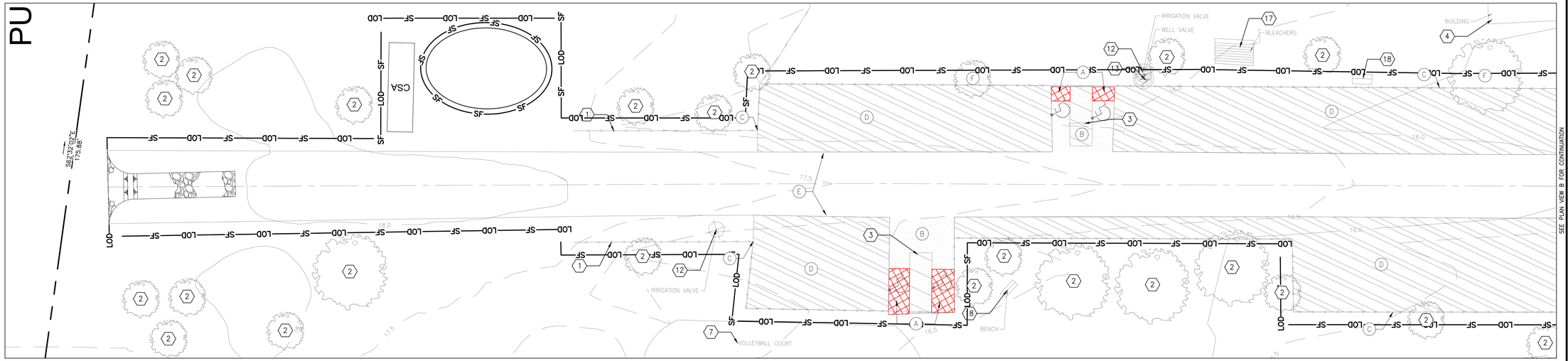
JOHN WALTER SMITH PARK
SNOW HILL, MARYLAND

STATE OF MARYLAND
RICHARD FRANCIS THOMAS III
58492
PROFESSIONAL ENGINEER
10/23/2025

OVERALL EXISTING CONDITIONS PLAN

SCALE	: 1" = 150'
DESIGN BY	: JRS
DRAWN BY	: RFT
CHECKED BY	: CJP
GMB FILE	: 250038
DATE	: OCT 2025

SHEET NO.
C1.0



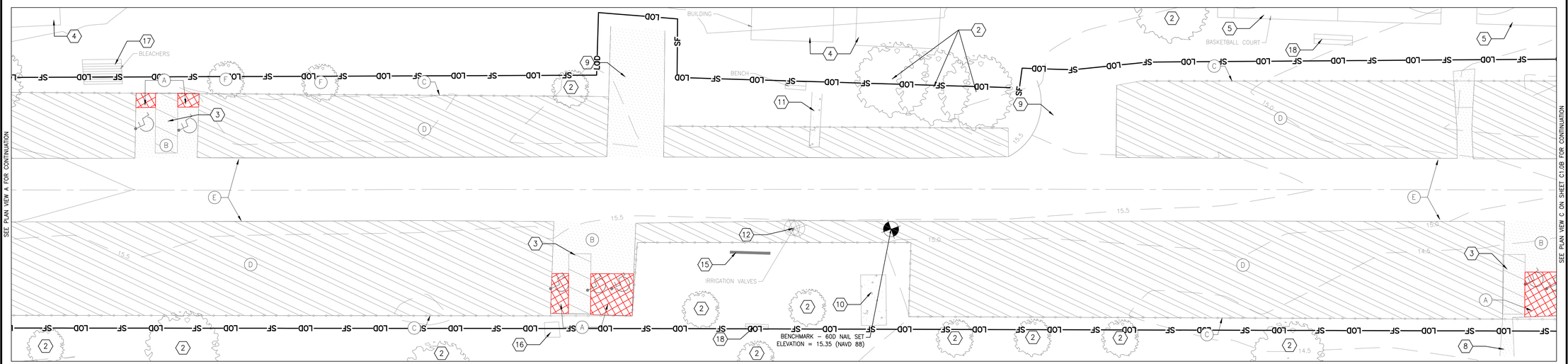
PLAN VIEW A

DEMOLITION NOTES

- (A) SAW CUT EXISTING PAVEMENT.
- (B) MILL EXISTING PAVEMENT AND REMOVE BASE AND SUBGRADE AS NECESSARY TO ACHIEVE FINAL GRADES WITHIN ADA PARKING AREAS.
- (C) REMOVE EXISTING CONCRETE BOLLARD, TYPICAL.
- (D) REMOVE COMPACTED AREA (PUNCTIONALLY IMPERVIOUS).
- (E) SAW CUT EDGE OF EXISTING ROAD FULL DEPTH TO A WIDTH OF 1' AND MILL EDGE OF EXISTING ROAD 2" BELOW FINISH GRADE AN ADDITIONAL WIDTH OF 1' FOR PROPOSED PARKING TIE-IN. SEE PAVEMENT TIE-IN DETAIL ON SHEET C9.1.
- (F) EXISTING TREE TO BE REMOVED.

CONSTRUCTION NOTES

1. EXISTING CONCRETE BOLLARD TO REMAIN, TYPICAL.
2. EXISTING TREE TO REMAIN.
3. EXISTING HANDICAP PARKING SPACE TO BE RECONSTRUCTED, TYPICAL.
4. EXISTING BUILDING TO REMAIN.
5. EXISTING BASKETBALL COURTS TO REMAIN.
6. EXISTING SOFTBALL/BASEBALL FIELD TO REMAIN, TYPICAL.
7. EXISTING VOLLEYBALL COURT TO REMAIN.
8. EXISTING ASPHALT SIDEWALK TO REMAIN.
9. EXISTING PARKING APRON/ENTRANCE TO REMAIN.
10. EXISTING CONCRETE PAD TO REMAIN.
11. EXISTING CONCRETE SIDEWALK TO REMAIN.
12. EXISTING IRRIGATION VALVE TO REMAIN.
13. EXISTING WELL VALVE TO REMAIN.
14. EXISTING 18-INCH RCP CULVERT TO REMAIN.
15. EXISTING 12-INCH CMP PIPE TO REMAIN.
16. EXISTING PORTABLE BATHROOM TO REMAIN.
17. EXISTING BLEACHERS TO REMAIN, TYPICAL.
18. EXISTING BENCH TO REMAIN, TYPICAL.



PLAN VIEW B

MARYLAND STATE PLANE NAD 83/2011
VERTICAL DATUM NAVD 88

0 10 20 40 60
SCALE: 1" = 20'

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SALISBURY • BALTIMORE • SEAFORD
206 WEST MAIN STREET
SALISBURY, MARYLAND 21801
410-742-3115, FAX 410-548-5790
www.gmbnet.com

JOHN WALTER SMITH PARK
SNOW HILL, MARYLAND

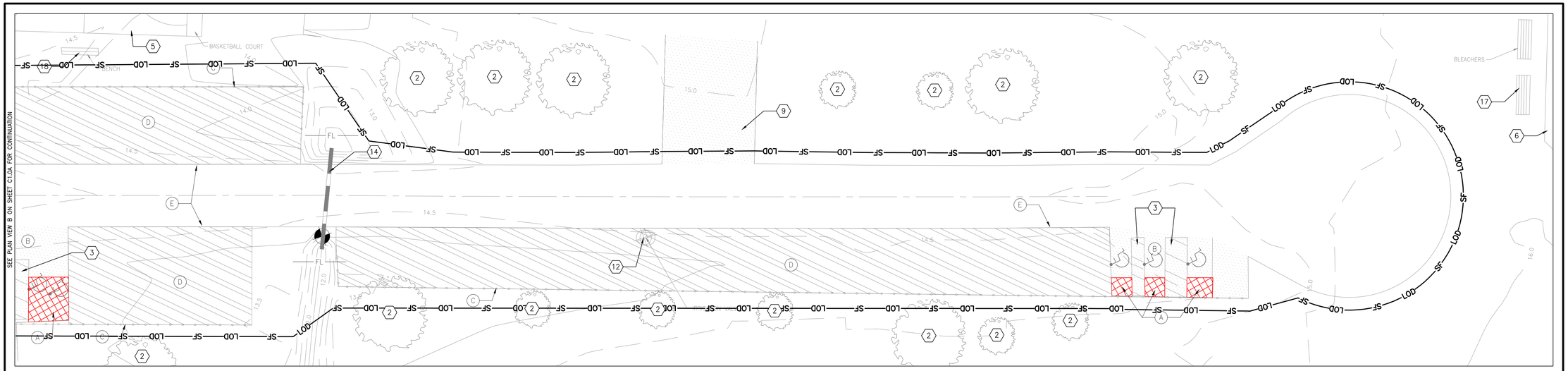
STATE OF MARYLAND
CHRISTOPHER J. PETERS
LICENSED PROFESSIONAL ENGINEER
E 6492
PROFESSIONAL ENGINEER
10/13/2026

EXISTING CONDITIONS PLAN

SCALE	: 1"=20'_XREF
DESIGN BY	: JRS
DRAWN BY	: RFT
CHECKED BY	: CJP
GMB FILE	: 250038
DATE	: OCT 2025

SHEET NO.
C1.0A

G:\Projects\2025\250038 John Water Smith Park Site & Civil ENG\Drawings\Working Sets\Engineering Plans\C1.0A Existing Conditions Plan.dwg, 2/2/2026 2:09 PM, Richard F. Thomas
PLOT CODE
PEN1-RED 206 INCHES (15mm)
PEN2-YELLOW 207 INCHES (18mm)
PEN3-GREEN 210 INCHES (25mm)
PEN4-CYAN 214 INCHES (35mm)
PEN5-BLUE 203 INCHES (50mm)
PEN6-MAGENTA 207 INCHES (75mm)
PEN7-WHITE 209 INCHES (100mm)



PLAN VIEW C

DEMOLITION NOTES

- (A) SAW CUT EXISTING PAVEMENT.
- (B) MILL EXISTING PAVEMENT AND REMOVE BASE AND SUBGRADE AS NECESSARY TO ACHIEVE FINAL GRADES WITHIN ADA PARKING AREAS.
- (C) REMOVE EXISTING CONCRETE BOLLARD, TYPICAL.
- (D) REMOVE COMPACTED AREA (PUNCTIONALLY IMPERVIOUS).
- (E) SAW CUT EDGE OF EXISTING ROAD FULL DEPTH TO A WIDTH OF 1' AND MILL EDGE OF EXISTING ROAD 2" BELOW FINISH GRADE AN ADDITIONAL WIDTH OF 1' FOR PROPOSED PARKING TIE-IN. SEE PAVEMENT TIE-IN DETAIL ON SHEET C9.1.

CONSTRUCTION NOTES

1. EXISTING CONCRETE BOLLARD TO REMAIN, TYPICAL.
2. EXISTING TREE TO REMAIN.
3. EXISTING HANDICAP PARKING SPACE TO BE RECONSTRUCTED, TYPICAL.
4. EXISTING BUILDING TO REMAIN.
5. EXISTING BASKETBALL COURTS TO REMAIN.
6. EXISTING SOFTBALL/BASEBALL FIELD TO REMAIN, TYPICAL.
7. EXISTING VOLLEYBALL COURT TO REMAIN.
8. EXISTING ASPHALT SIDEWALK TO REMAIN.
9. EXISTING PARKING APRON/ENTRANCE TO REMAIN.
10. EXISTING CONCRETE PAD TO REMAIN.
11. EXISTING CONCRETE SIDEWALK TO REMAIN.
12. EXISTING IRRIGATION VALVE TO REMAIN.
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14. EXISTING 18-INCH RCP CULVERT TO REMAIN.
15. EXISTING 12-INCH CMP PIPE TO REMAIN.
16. EXISTING PORTABLE BATHROOM TO REMAIN.
17. EXISTING BLEACHERS TO REMAIN, TYPICAL.
18. EXISTING BENCH TO REMAIN, TYPICAL.

0 10 20 40 60
SCALE: 1" = 20'

MARYLAND STATE PLANE NAD 83/2011
VERTICAL DATUM NAVD 88

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206 WEST MAIN STREET
SALISBURY, MARYLAND 21801
410-742-3115, FAX 410-548-5790
www.gmbnet.com

JOHN WALTER SMITH PARK
SNOW HILL, MARYLAND

STATE OF MARYLAND
CHRISTOPHER J. PETERS
No. 24492
PROFESSIONAL ENGINEER
10/23/2026

EXISTING CONDITIONS PLAN

SCALE	: 1" = 20'	SHEET NO.
DESIGN BY	: JRS	C1.0B
DRAWN BY	: RFT	
CHECKED BY	: CJP	
GMB FILE	: 250038	
DATE	: OCT 2025	

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PLOT CODE
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PEN2-YELLOW 007 INCHES (.18mm)
PEN3-GREEN 009 INCHES (.23mm)
PEN4-CYAN 014 INCHES (.35mm)
PEN5-BLUE 020 INCHES (.50mm)
PEN6-MAGENTA 027 INCHES (.70mm)
PEN7-WHITE 039 INCHES (1.00mm)

CONSTRUCTION NOTES

1. LIMITS OF PROPOSED SILT FENCE. SEE DETAIL ON SHEET C1.3.
2. INSTALL SOIL STOCKPILE. SEE STANDARDS AND SPECIFICATIONS ON SHEET C1.4.
3. CONSTRUCTION STAGING AREA.
4. STABILIZED MATTING CHANNEL. SEE DETAIL ON SHEET C1.3.
5. INSTALL STABILIZED CONSTRUCTION ENTRANCE. SEE DETAIL ON SHEET C1.3.
6. INSTALL 6" DIA. FILTER LOG. LINE SWALE BOTTOM AND EMBANKMENTS. SEE DETAIL ON SHEET C1.3.
7. GRADE AND STABILIZE SWALE. SEE SHEETS C2.1 AND C2.2 FOR SWALE PROFILES. SEE SHEET C9.1 FOR CROSS-SECTION DETAIL.
8. INSTALL CULVERT CROSSINGS TO CONNECT SWALE SECTIONS. SEE SHEETS C2.1 AND C2.2 FOR PIPE DETAILS ON SWALE PROFILES.
9. INSTALL ROCK OUTLET PROTECTION II ON DOWNSTREAM END OF CULVERT CROSSINGS.

LEGEND

EXISTING

- PROPERTY LINE/RIGHT OF WAY
- BUILDING — EXISTING BUILDING
- MILL PAVEMENT AND BASE
- CURBING & EDGE OF PAVEMENT
- 8"SS — SEWER MAIN
- W — WATER MAIN
- FM — FORCE MAIN
- OHW — OVERHEAD WIRE (ELECTRIC)
- E — ELECTRIC LINE
- G — GAS LINE

PROPOSED

- FULL DEPTH PAVEMENT
- X — SWALE
- PERMANENT SEEDING
- LOD — LIMIT OF DISTURBANCE
- FL — FILTER LOG
- STOCKPILE
- CSA — CONSTRUCTION STAGE AREA
- STABILIZED CONSTRUCTION ENTRANCE

0 75 150 300 450
SCALE: 1" = 150'

MARYLAND STATE PLANE NAD 83/2011
VERTICAL DATUM NAVD 88

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GEORGE, MILES & BUHR, LLC
ARCHITECTS & ENGINEERS
SALISBURY • BALTIMORE • SEAFORD
206 WEST MAIN STREET
SALISBURY, MARYLAND 21801
410-742-3115, FAX 410-548-5790
www.gmbnet.com

JOHN WALTER SMITH PARK
SNOW HILL, MARYLAND

STATE OF MARYLAND
CHRISTOPHER J. PORTER
PROFESSIONAL ENGINEER
10/13/2026

OVERALL EROSION & SEDIMENT CONTROL PLAN

SCALE	: 1" = 150'
DESIGN BY	: JRS
DRAWN BY	: RFT
CHECKED BY	: CJP
GMB FILE	: 250038
DATE	: OCT 2025

SHEET NO.
C1.1

G:\Projects\2025\250038 John Walter Smith Park Site & Civil ENG\Drawings\Working Set\Engineering Plans\C1.1 Overall Erosion & Sediment Control Plan.dwg, 2/2/2026 2:13 PM, Richard F. Thomas
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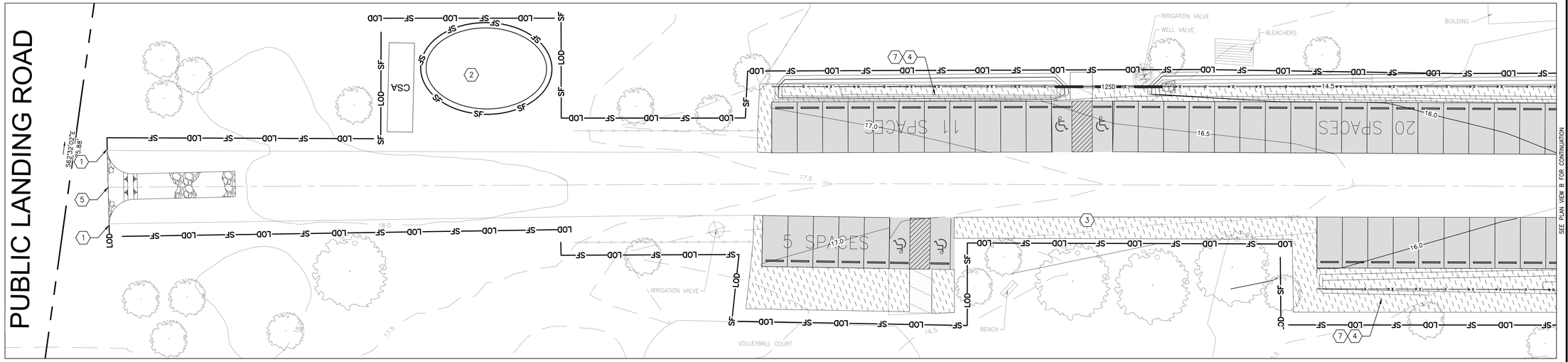
PEN2-YELLOW .007 INCHES (.18mm)
PEN3-GREEN .009 INCHES (.23mm)
PEN4-CYAN .014 INCHES (.35mm)
PEN5-BLUE .020 INCHES (.50mm)
PEN6-MAGENTA .027 INCHES (.70mm)
PEN7-WHITE .039 INCHES (1.00mm)



PLAN VIEW A

CONSTRUCTION NOTES

1. LIMITS OF PROPOSED SILT FENCE. SEE DETAIL ON SHEET C1.3.
2. INSTALL SOIL STOCKPILE. SEE STANDARDS AND SPECIFICATIONS ON SHEET C1.4.
3. CONSTRUCTION STAGING AREA.
4. STABILIZED MATTING CHANNEL. SEE DETAIL ON SHEET C1.3.
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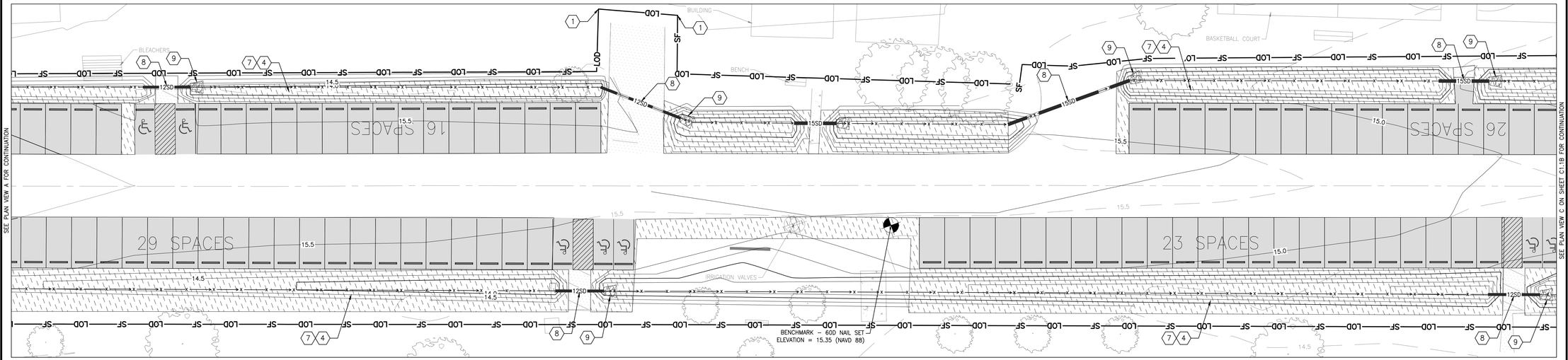
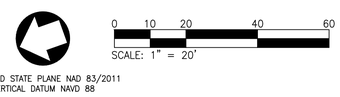
7. GRADE AND STABILIZE SWALE. SEE SHEETS C2.1 AND C2.2 FOR SWALE PROFILES. SEE SHEET C9.1 FOR CROSS-SECTION DETAIL.
8. INSTALL CULVERT CROSSINGS TO CONNECT SWALE SECTIONS. SEE SHEETS C2.1 AND C2.2 FOR PIPE DETAILS ON SWALE PROFILES.
9. INSTALL ROCK OUTLET PROTECTION II ON DOWNSTREAM END OF CULVERT CROSSINGS.



PLAN VIEW B



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ARCHITECTS & ENGINEERS
SALISBURY • BALTIMORE • SEAFORD
206 WEST MAIN STREET
SALISBURY, MARYLAND 21801
410-742-3115, FAX 410-548-5790
www.gmbnet.com

JOHN WALTER SMITH PARK
SNOW HILL, MARYLAND

STATE OF MARYLAND
CHRISTOPHER J. PAPPAS
16493
PROFESSIONAL ENGINEER
10/03/2026

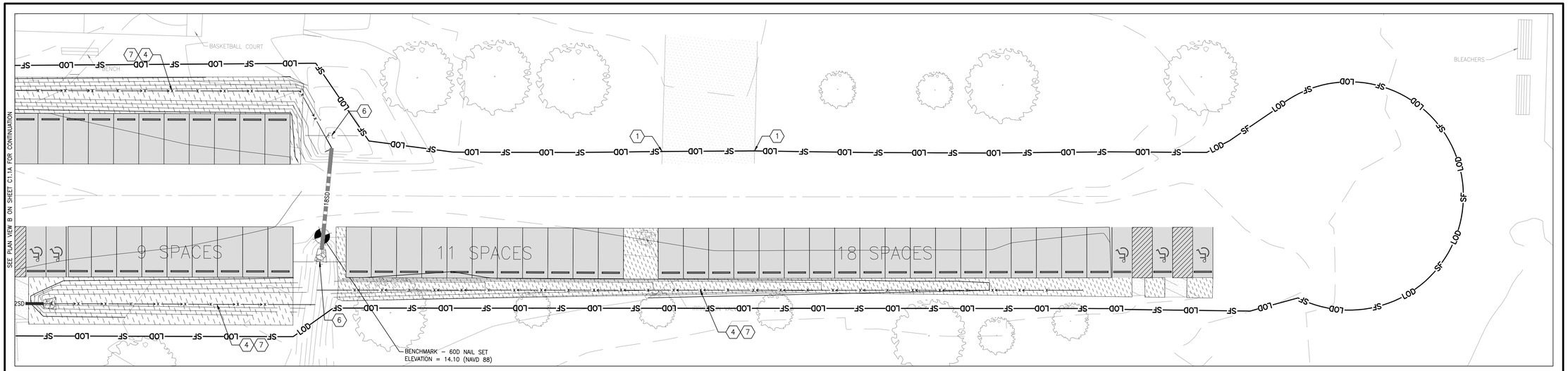
EROSION & SEDIMENT CONTROL PLAN

SCALE	: 1" = 20'
DESIGN BY	: JRS
DRAWN BY	: RFT
CHECKED BY	: CJP
GMB FILE	: 250038
DATE	: OCT 2025

SHEET NO.
C1.1A

PLOT CODE
PEN1-RED 206 INCHES (.15mm)
PEN2-YELLOW 207 INCHES (.18mm)
PEN3-GREEN 208 INCHES (.25mm)
PEN4-CYAN 209 INCHES (.35mm)
PEN5-BLUE 210 INCHES (.50mm)
PEN6-MAGENTA 211 INCHES (.70mm)
PEN7-WHITE 212 INCHES (1.00mm)

G:\Projects\2025\250038 John Water Smith Park Site & Civil ENG\Drawings\Working Sets\Engineering Plans\C1.1A Erosion & Sediment Control Plan.dwg, 2/2/2026 2:17 PM, Richard F. Thomas



PLAN VIEW C

CONSTRUCTION NOTES

1. LIMITS OF PROPOSED SILT FENCE. SEE DETAIL ON SHEET C1.3.
4. STABILIZED MATTING CHANNEL. SEE DETAIL ON SHEET C1.3.
6. INSTALL 6" FILTER LOG. LINE SWALE BOTTOM AND EMBANKMENTS. SEE DETAIL ON SHEET C1.3.
7. GRADE AND STABILIZE SWALE. SEE SHEETS C2.1 AND C2.2 FOR SWALE PROFILES. SEE SHEET C9.1 FOR CROSS-SECTION DETAIL.

MARYLAND STATE PLANE NAD 83/2011
VERTICAL DATUM NAVD 88

0 10 20 40 60
SCALE: 1" = 20'

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CHRISTOPHER J. PETERS
LICENSED PROFESSIONAL ENGINEER
25492
10/13/2026

EROSION &
SEDIMENT
CONTROL PLAN

SCALE	: 1" = 20'
DESIGN BY	: JRS
DRAWN BY	: RFT
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GMB FILE	: 250038
DATE	: OCT 2025

SHEET NO.
C1.1B

G:\Projects\2025\250038 John Walter Smith Park Site & Civil ENG\Drawings\Working Sets\Engineering Plans\C1-1B Erosion & Sediment Control Plan.dwg, 2/2/2026 2:19 PM, Richard F. Thomas

PEN1-RED 005 INCHES (.13mm) | PEN2-YELLOW 007 INCHES (.18mm) | PEN3-GREEN 010 INCHES (.25mm) | PLOT CODE PEN4-CYAN 014 INCHES (.35mm) | PEN5-BLUE 020 INCHES (.50mm) | PEN6-MAGENTA 027 INCHES (.70mm) | PEN7-WHITE 039 INCHES (1.00mm)

STANDARD EROSION & SEDIMENT CONTROL NOTES

THE WATER MANAGEMENT ADMINISTRATION REQUIRES THAT THESE NOTES, IN THEIR ENTIRETY, BE INCLUDED ON THE EROSION AND SEDIMENT CONTROL PLAN. IT IS RECOGNIZED THAT EVERY NOTE MAY NOT APPLY TO ALL PROJECTS. THE REQUIREMENT OF ANY INDIVIDUAL NOTE NOT APPLICABLE TO THE SUBJECT PROJECT IS NOT BINDING UPON THE APPLICANT OR THE APPLICANT'S CONTRACTOR.

1. THE CONTRACTOR SHALL NOTIFY THE MARYLAND DEPARTMENT OF ENVIRONMENT (MDE) BEFORE COMMENCING ANY LAND DISTURBING ACTIVITY AND SHALL BE REQUIRED TO HOLD A PRE–CONSTRUCTION MEETING BETWEEN PROJECT REPRESENTATIVES AND A REPRESENTATIVE OF THE MDE. MDE CONSTRUCTION COMPLIANCE NOTIFICATION FOR THE PRE–CONSTRUCTION MEETING HERE AS WELL.

2. THE CONTRACTOR MUST NOTIFY THE MDE IN WRITING AND BY TELEPHONE AT THE FOLLOWING POINTS:
   A. THE REQUIRED PRE–CONSTRUCTION MEETING.
   B. FOLLOWING INSTALLATION OF SEDIMENT CONTROL MEASURES.
   C. DURING THE INSTALLATION OF SEDIMENT BASINS (TO BE CONVERTED INTO PERMANENT STORMWATER MANAGEMENT STRUCTURES) AT THE REQUIRED INSPECTION POINTS (SEE INSPECTION CHECKLIST ON PLAN). NOTIFICATION PRIOR TO COMMENCING CONSTRUCTION OF EACH STEP IS MANDATORY.
   D. PRIOR TO REMOVAL OR MODIFICATION OF ANY SEDIMENT CONTROL STRUCTURE(S).
   E. PRIOR TO REMOVAL OF ALL SEDIMENT CONTROL DEVICES.
   F. PRIOR TO FINAL ACCEPTANCE.

3. THE CONTRACTOR SHALL CONSTRUCT ALL EROSION AND SEDIMENT CONTROL MEASURES PER THE APPROVED PLAN AND CONSTRUCTION SEQUENCE AND SHALL HAVE THEM INSPECTED AND APPROVED BY MDE INSPECTOR PRIOR TO BEGINNING ANY OTHER LAND DISTURBANCES. MINOR SEDIMENT CONTROL DEVICE LOCATION ADJUSTMENTS MAY BE MADE IN THE FIELD WITH THE APPROVAL OF THE MDE INSPECTOR. THE CONTRACTOR SHALL ENSURE THAT ALL RUNOFF FROM DISTURBED AREAS IS DIRECTED TO THE SEDIMENT CONTROL DEVICES AND SHALL NOT REMOVE ANY EROSION OR SEDIMENT CONTROL MEASURE WITHOUT PRIOR PERMISSION FROM MDE INSPECTOR. THE CONTRACTOR MUST OBTAIN PRIOR AGENCY AND COUNTY SOIL CONSERVATION APPROVAL FOR CHANGES TO THE SEDIMENT CONTROL PLAN AND/OR SEQUENCE OF CONSTRUCTION

4. THE CONTRACTOR SHALL PROTECT ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS TO PREVENT THE DEPOSITION OF MATERIALS ONTO PUBLIC ROADS. ALL MATERIALS DEPOSITED ONTO PUBLIC ROADS SHALL BE REMOVED IMMEDIATELY.

5. THE CONTRACTOR SHALL INSPECT DAILY AND MAINTAIN CONTINUOUSLY IN AN EFFECTIVE OPERATING CONDITION ALL EROSION AND SEDIMENT CONTROL MEASURES UNTIL SUCH TIMES AS THEY ARE REMOVED WITH PRIOR PERMISSION FROM MDE INSPECTOR AND AGENCY INSPECTOR.

6. ALL SEDIMENT BASINS, TRAP EMBANKMENTS AND SLOPES, PERIMETER DIKES, SWALES AND ALL DISTURBED SLOPES STEEPER OR EQUAL TO 3:1 SHALL BE STABILIZED WITH SOD OR SEED, OR OTHER APPROVED STABILIZATION MEASURES, AS SOON AS POSSIBLE BUT NO LATER THAN THREE (3) CALENDAR DAYS AFTER ESTABLISHMENT. ALL AREAS DISTURBED OUTSIDE OF THE PERIMETER SEDIMENT CONTROL SYSTEM MUST BE MINIMIZED. MAINTENANCE MUST BE PERFORMED AS NECESSARY TO ENSURE CONTINUED STABILIZATION.

7. THE CONTRACTOR SHALL APPLY SOD OR SEED, OR OTHER APPROVED STABILIZATION MEASURES TO ALL DISTURBED AREAS AND STOCKPILES WITHIN SEVEN (7) CALENDAR DAYS AFTER STRIPPING AND GRADING ACTIVITIES HAVE CEASED IN THE AREA. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO ENSURE CONTINUED STABILIZATION.

8. PRIOR TO REMOVAL OF SEDIMENT CONTROL MEASURES, THE CONTRACTOR SHALL STABILIZE AND HAVE ESTABLISHED PERMANENT STABILIZATION FOR ALL CONTRIBUTORY DISTURBED AREAS USING SOD OR AN APPROVED PERMANENT SEED MIXTURE WITH REQUIRED SOIL AMENDMENTS. WOOD FIBER MULCH MAY ONLY BE USED IN SEEDING SEASON WHERE THE SLOPE DOES NOT EXCEED 10% AND GRADING HAS BEEN DONE TO PROMOTE SHEET FLOW DRAINAGE. AREAS BROUGHT TO FINISHED GRADE DURING THE SEEDING SEASON SHALL BE PERMANENTLY STABILIZED AS SOON AS POSSIBLE, BUT NOT LATER THAN SEVEN (7) CALENDAR DAYS AFTER ESTABLISHMENT. WHEN PROPERTY IS BROUGHT TO FINISHED GRADE DURING THE MONTHS OF NOVEMBER THROUGH FEBRUARY, AND PERMANENT STABILIZATION IS FOUND TO BE IMPRACTICAL, TEMPORARY SEED SHALL BE APPLIED TO DISTURBED AREAS. THE FINAL PERMANENT STABILIZATION OF SUCH PROPERTY SHALL BE APPLIED BY MARCH 15 OR EARLIER IF GROUND AND WEATHER CONDITIONS ALLOW.

9. THE SITE'S APPROVAL LETTER, APPROVED EROSION AND SEDIMENT CONTROL PLANS, DAILY LOG BOOKS, AND TEST REPORTS SHALL BE AVAILABLE AT THE SITE FOR INSPECTION BY DULY AUTHORIZED OFFICIALS OF MDE.

10. SURFACE DRAINAGE FLOWS OVER UNSTABILIZED CUT AND FILL SLOPES SHALL BE CONTROLLED BY EITHER PREVENTING DRAINAGE FLOWS FROM TRAVERSING THE SLOPES OR BY INSTALLING PROTECTIVE DEVICES TO LOWER THE WATER DOWN SLOPE WITHOUT CAUSING EROSION. DIKES SHALL BE INSTALLED AND MAINTAINED AT THE TOP OF A CUT OR FILL SLOPE UNTIL THE SLOPE AND DRAINAGE AREA TO IT ARE FULLY STABILIZED, AT WHICH TIME THEY MUST BE REMOVED AND FINAL GRADING DONE TO PROMOTE SHEET FLOW DRAINAGE. PROTECTIVE METHODS MUST BE PROVIDED AT POINTS OF CONCENTRATED FLOWS WHERE EROSION IS LIKELY TO OCCUR.

11. PERMANENT SWALES OR OTHER POINTS OF CONCENTRATED WATER FLOW SHALL BE STABILIZED WITH SOD OR SEED WITH AN APPROVED EROSION CONTROL MATTING, RIP–RAP, OR BY OTHER APPROVED STABILIZED MEASURES.

12. TEMPORARY SEDIMENT CONTROL DEVICES MAY BE REMOVED, WITH PERMISSION OF THE MDE INSPECTOR AND AGENCY INSPECTORS, WITHIN THIRTY (30) CALENDAR DAYS FOLLOWING ESTABLISHMENT OF PERMANENT STABILIZATION IN ALL CONTRIBUTORY DRAINAGE AREAS. STORMWATER MANAGEMENT STRUCTURES USED TEMPORARILY FOR SEDIMENT CONTROL SHALL BE CONVERTED TO THE PERMANENT CONFIGURATION WITHIN THIS TIME PERIOD AS WELL.

13. NO PERMANENT CUT OR FILL SLOPE WITH A GRADIENT STEEPER THAN 3:1 WILL BE PERMITTED IN LAWN MAINTENANCE AREAS. A SLOPE GRADIENT OF UP TO 2:1 WILL BE PERMITTED IN NON–MAINTENANCE AREAS PROVIDED THAT THOSE AREAS ARE INDICATED ON THE EROSION AND SEDIMENT CONTROL PLAN WITH LOW–MAINTENANCE GROUND COVER SPECIFIED FOR PERMANENT STABILIZATION. SLOPE GRADIENT STEEPER THAN 2:1 WILL NOT BE PERMITTED WITH VEGETATIVE STABILIZATION.

14. FOR FINISHED GRADING, THE CONTRACTOR SHALL PROVIDE ADEQUATE GRADIENTS TO PREVENT WATER FROM PONDING F0R MORE THAN TWENTY FOUR (24) HOURS AFTER THE END OF A RAINFALL EVENT. DRAINAGE COURSES AND SWALE FLOW AREAS MAY TAKE AS LONG AS FORTY–EIGHT (48) HOURS AFTER THE END OF A RAINFALL EVENT TO DRAIN. AREAS DESIGNED TO HAVE STANDING WATER SHALL NOT BE REQUIRED TO MEET THIS REQUIREMENT.

15. SEDIMENT TRAPS OR BASINS ARE NOT PERMITTED WITHIN 20 FEET OF A FOUNDATION THAT EXISTS OR IS UNDER CONSTRUCTION. NO STRUCTURE MAY BE CONSTRUCTED WITHIN 20 FEET OF AN ACTIVE SEDIMENT TRAP OR BASIN.

16. THE MDE INSPECTOR HAS THE OPTION OF REQUIRING ADDITIONAL SAFETY OR SEDIMENT CONTROL MEASURES, IF DEEMED NECESSARY.

17. ALL TRAP DEPTH DIMENSIONS ARE RELATIVE TO THE OUTLET ELEVATION. ALL TRAPS MUST HAVE A STABLE OUTFALL. ALL TRAPS AND BASINS SHALL HAVE STABLE INFLOW POINTS.

18. VEGETATIVE STABILIZATION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. REFER TO APPROPRIATE SPECIFICATIONS FOR TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, SODDING, AND GROUND COVERS.

19. SEDIMENT SHALL BE REMOVED AND THE TRAP OR BASIN RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE QUARTER OF THE TOTAL DEPTH OF THE TRAP OR BASIN. TOTAL DEPTH SHALL BE MEASURED FROM THE TRAP OR BASIN BOTTOM TO THE CREST OF THE OUTLET.

20. SEDIMENT REMOVED FROM TRAPS (AND BASINS) SHALL BE PLACED AND STABILIZED IN APPROVED AREAS, BUT NOT WITHIN A FLOODPLAIN, WETLAND OR TREE–SAVE AREA. WHEN PUMPING SEDIMENT LADEN WATER, THE DISCHARGE MUST BE DIRECTED TO A SEDIMENT TRAPPING DEVICE PRIOR TO RELEASE FROM THE SITE. A SUMP PIT MAY BE USED IF SEDIMENT TRAPS THEMSELVES ARE BEING PUMPED OUT.

21. ALL WATER REMOVED FROM EXCAVATED AREAS SHALL BE PASSED THROUGH AN APPROVED DEWATERING PRACTICE OR PUMPED TO A SEDIMENT TRAP OR BASIN PRIOR TO DISCHARGE TO A FUNCTIONAL STORM DRAIN SYSTEM OR TO STABLE GROUND SURFACE. IN THE EVENT THAT DEWATERING IS REQUIRED, A FILTER BAG SHOULD BE INSTALLED IN ACCORDANCE WITH DETAIL F–4 AND BE PLACED IN A LOCATION THAT ALLOWS FOR EASE OF DISPOSAL OF THE TRAPPED SEDIMENT AND HAS MINIMAL INTERFERENCE WITH CONSTRUCTION ACTIVITIES AND PEDESTRIAN TRAFFIC.

22. SEDIMENT CONTROL FOR UTILITY CONSTRUCTION FOR AREAS OUTSIDE OF DESIGNED CONTROLS OR AS DIRECTED BY ENGINEER OR MDE INSPECTOR:
   A. CALL "MISS UTILITY" AT 1–800–257–7777 48 HOURS PRIOR TO THE START OF WORK.
   B. EXCAVATED TRENCH MATERIAL SHALL BE PLACED ON THE HIGH SIDE OF THE TRENCH.
   C. TRENCHES FOR UTILITY INSTALLATION SHALL BE BACKFILLED, COMPACTED, AND STABILIZED AT THE END OF EACH WORKING DAY. NO MORE TRENCH SHALL BE OPENED THAN CAN BE COMPLETED THE SAME DAY, UNLESS;
   D. TEMPORARY SILT FENCE SHALL BE PLACED IMMEDIATELY DOWNSTREAM OF ANY DISTURBED AREA INTENDED TO REMAIN DISTURBED FOR MORE THAN ONE DAY.

23. WHERE DEEMED APPROPRIATE BY THE ENGINEER OR INSPECTOR, SEDIMENT BASINS AND TRAPS MAY NEED TO BE SURROUNDED WITH AN APPROVED SAFETY FENCE. THE FENCE MUST CONFORM TO LOCAL ORDINANCES AND REGULATIONS. THE DEVELOPER OR OWNER SHALL CHECK WITH LOCAL BUILDING OFFICIALS ON APPLICABLE SAFETY REQUIREMENTS. WHERE SAFETY FENCE IS DEEMED APPROPRIATE AND LOCAL ORDINANCES DO NOT SPECIFY FENCING SIZE AND TYPES, THE FOLLOWING SHALL BE USED AS A MINIMUM STANDARD: THE SAFETY FENCE MUST BE MADE OF WELDED WIRE AND AT LEAST 42 INCHES HIGH, HAVE POSTS SPACED NO FARTHER APART THAN 8 FEET, HAVE MESH OPENINGS NO GREATER THAN 2 INCHES IN WIDTH AND 4 INCHES IN HEIGHT WITH A MINIMUM OF 14 GAUGE WIRE. SAFETY FENCE MUST BE MAINTAINED AND IN GOOD CONDITION AT ALL TIMES.

24. OFF–SITE SPOIL OR BORROW AREAS ON STATE OR FEDERAL PROPERTY MUST HAVE PRIOR APPROVAL BY COUNTY SOIL CONSERVATION AND OTHER APPLICABLE STATE, FEDERAL, AND LOCAL AGENCIES; OTHERWISE APPROVAL MUST BE GRANTED BY THE LOCAL AUTHORITIES. ALL WASTE AND BORROW AREAS OFF–SITE MUST BE PROTECTED BY SEDIMENT CONTROL MEASURES AND STABILIZED.

25. SITES WHERE INFILTRATION DEVICES ARE USED FOR THE CONTROL OF STORMWATER, EXTREME CARE MUST BE TAKEN TO PREVENT RUNOFF FROM UNSTABILIZED AREAS FROM ENTERING THE STRUCTURE DURING CONSTRUCTION. SEDIMENT CONTROL DEVICES PLACED IN INFILTRATION AREAS MUST HAVE BOTTOM ELEVATIONS AT LEAST TWO (2) FEET HIGHER THAN THE FINISH GRADE BOTTOM ELEVATION OF THE INFILTRATION PRACTICE. WHEN CONVERTING A SEDIMENT TRAP TO AN INFILTRATION DEVICE, ALL ACCUMULATED SEDIMENT MUST BE REMOVED AND DISPOSED OF PRIOR TO FINAL GRADING OF INFILTRATION DEVICE.

26. WHEN A STORM DRAIN SYSTEM OUTFALL IS DIRECTED TO A SEDIMENT TRAP OR SEDIMENT BASIN AND THE SYSTEM IS TO BE USED FOR TEMPORARILY CONVEYING SEDIMENT LADEN WATER, ALL STORM DRAIN INLETS IN NON–SUMP AREAS SHALL HAVE TEMPORARY ASPHALT BERMS CONSTRUCTED AT THE TIME OF BASE PAVING TO DIRECT GUTTER FLOW INTO THE INLETS TO AVOID SURCHARGING AND OVERFLOW OF INLETS IN SUMP AREAS.

27. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, DETAILS OF TEMPORARY OR PERMANENT STABILIZATION SHALL BE COMPLETED WITHIN 3 CALENDAR DAYS ON ALL SURFACES OF PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1). WITHIN 7 DAYS FOLLOWING FINAL GRADING, ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT WILL BE PERMANENTLY STABILIZED BY SEEDING OR MULCH. PERMANENT MULCH CAN INCLUDE BUT IS NOT LIMITED TO STONE, GRAVEL, BLACKTOP, OR CONCRETE SURFACING. IF CONSTRUCTION IS TEMPORARILY STOPPED ON A PROJECT SITE FOR MORE THAN FOURTEEN DAYS, ALL DISTURBED AND GRADED AREAS WILL BE STABILIZED. THE REQUIREMENTS OF THIS SUBPARAGRAPH DO NOT APPLY TO THOSE AREAS WHICH ARE SHOWN ON THE PLAN AND ARE CURRENTLY BEING USED FOR MATERIAL STORAGE, OR FOR THOSE AREAS ON WHICH ACTUAL CONSTRUCTION ACTIVITIES ARE CURRENTLY BEING PERFORMED OR TO INTERIOR AREAS OF SURFACE MINE SITE WHERE STABILIZATION MATERIAL WOULD CONTAMINATE THE RECOVERABLE RESOURCE. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO ENSURE THE STABILIZED AREAS CONTINUOUSLY MEET THE APPROPRIATE REQUIREMENTS OF THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

28. STRIPPED TOPSOIL WILL BE UTILIZED ON SITE, NO MATERIAL WILL BE IMPORTED.

29. SITE INFORMATION:
   A. TOTAL PARCEL AREA ±88.28 ACRES
   B. AREA DISTURBED ±3.34 ACRES (LOD AREA)
   B.A. A NOTICE OF INTENT (NOI) FOR STORMWATER DISCHARGE FROM CONSTRUCTION IN ACTIVITIES WILL BE FILED WITH MDE PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
   C. IMPERVIOUS AREA ±0.012 ACRES

SEQUENCE OF CONSTRUCTION

GENERAL NOTES

1. CONTACT THE WORCESTER COUNTY DEPARTMENT OF ENVIRONMENTAL PROGRAMS AT 410–632–1220 AND MARYLAND DEPARTMENT OF THE ENVIRONMENT AT 410–537–3000 TO SCHEDULE A PRE–CONSTRUCTION MEETING AT LEAST 48 HOURS PRIOR TO COMMENCING ANY SITE WORK. FAILURE TO DO SO MAY RESULT IN AN IMMEDIATE "STOP WORK ORDER".
2. ALL PERIMETER CONTROLS ARE TO BE INSPECTED AND REVIEW BY THE EROSION CONTROL REPRESENTATIVE PRIOR TO PROCEEDING WITH FURTHER SITE DISTURBANCE OR CONSTRUCTION.
3. THE CONTRACTOR SHALL AT ALL TIMES PROTECT AGAINST SEDIMENT OR DEBRIS LADEN RUNOFF OR WIND FROM LEAVING THE SITE. PERIMETER CONTROLS SHOULD BE CHECKED DAILY AND ADJUSTED AND/OR REPAIRED TO FULLY CONTAIN AND CONTROL SEDIMENTATION ON THE SITE. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT HAS REACHED HALF OF THE EFFECTIVE CAPACITY OF THE CONTROL. IN ADDITION, THE CONTRACTOR MAY NEED TO ADJUST OR REPAIR MEASURES IN TIMES OF ADVERSE WEATHER CONDITIONS, OR AS DIRECTED BY THE AGENCY CONSTRUCTION SITE REVIEWER.
4. EROSION AND SEDIMENT CONTROL DEVICES SHOULD BE REMOVED ONLY AFTER WORK IN AN AREA HAS BEEN COMPLETED AND STABILIZED.
5. GREAT CARE SHALL BE TAKEN TO PROTECT ANY ADJACENT WATERWAY DURING CONSTRUCTION OPERATIONS. COORDINATE ALL WATERWAY WORK SHALL BE COORDINATED WITH MDE INSPECTOR AND ERI CONSULTANTS. CONTACT ED LAUNAY.
6. ANY WORK WITHIN THE DITCH CHANNEL AND FLOOD PLAIN SHALL BE COORDINATED WITH MDE INSPECTOR. COORDINATE ALL FLOOD PLAIN AND WATERWAY WORK SHALL BE COORDINATED WITH ERI CONSULTANTS. CONTACT ED LAUNAY (302)436–9637.
7. THE CONTRACTOR SHALL ENSURE THAT ALL EXISTING UTILITIES, INCLUDING BUT NOT LIMITED TO OVERHEAD AND UNDERGROUND ELECTRIC, SANITARY SEWER WATER AND COMMUNICATION IS PROTECTED AND IN WORKING ORDER DURING CONSTRUCTION.
8. MAINTAIN ONE–LANE OPEN FOR PARK TRAFFIC AT ALL TIMES.

SITE WORK

10. BEGIN CONSTRUCTION WITH MDE AUTHORIZATION. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
11. CLEAR AND GRUB AS NECESSARY TO INSTALL PERIMETER CONTROLS PER PLAN SHEETS C1.1, C1.1A, AND C1.1B.
12. STRIP TOPSOIL AND STOCKPILE. WRAP STOCKPILE WITH SILT FENCE PER THE MDE STANDARDS AND SPECIFICATIONS FOR STOCKPILE AREA (B–4–8) AS SHOWN ON SHEET C1.4.
13. REMOVE FULL DEPTH PAVEMENT AND CURB AS SPECIFIED ON THE DEMOLITION PLAN. STABILIZE UPON REMOVAL.
14. INSTALL CONCRETE WASHOUT.
15. BEGIN ROUGH GRADE OPERATIONS FOR PROPOSED SWALES. AREAS WITH GREATER THAN 3H:1V SLOPE TO BE STABILIZED WITH EROSION CONTROL MATTING IMMEDIATELY.
16. INSTALL PROPOSED CULVERTS AS SHOWN ON SHEETS C1.1A AND C1.1B. SEE SWALE PROFILES ON SHEETS C2.1 AND C2.2. RE–INSTALL EXISTING SURFACE ABOVE PROPOSED CULVERTS AS NEEDED.
17. FINE GRADE AREA DESIGNATED FOR PAVING AND PARKING. GRADE REMAINDER OF DISTURBED AREA AND STABILIZE WITH SEED, MULCH, FERTILIZER, ETC. CONDUCT A CONSTRUCTION REVIEW PRIOR TO INITIATING THIS WORK.
18. INSTALL ROAD BASE SECTION. PROVIDE SMOOTH TRANSITION TO EXISTING SURFACES.
19. FINE GRADE THE SWALE TO MATCH THE PROFILES SHOWN ON C2.1 AND C2.2.
20. PRIOR TO FINAL SWM BMP STABILIZATION, CONDUCT A SITE REVIEW TO ENSURE ALL DISTURBED AREAS HAS BEEN SATISFACTORILY STABILIZED.

FINAL STABILIZATION

21. PERMANENTLY STABILIZE ALL REMAINING DISTURBED AREA. INSPECT AREA OF STEEP SLOPE TO ENSURE PROPER STABILIZATION. RESTABILIZE AS NECESSARY.
22. ONCE THE SITE HAS BEEN ADEQUATELY STABILIZED, REMOVE INLET PROTECTION DEVICES AND DISPOSE OF SEDIMENTS IN AN APPROVED MANNER. THE USE OF ROAD SWEEPERS IS RECOMMENDED. REMOVE ANY ACCUMULATED SEDIMENTS IN THE STORM DRAIN SYSTEM.
23. REMOVE/HAUL EXCESS SOIL FROM STOCKPILE LOCATION (IF APPLICABLE).
24. CONDUCT FINAL CONSTRUCTION REVIEW WITH TOWN AND COUNTY INSPECTORS. PERFORM A FINAL WALK THROUGH THE SITE TO ENSURE ALL STABILIZATION REQUIREMENT ARE ADEQUATE AND THEN WITH THE APPROVAL OF THE AGENCY CONSTRUCTION SITE REVIEWER, REMOVE REMAINING SEDIMENT CONTROL DEVICES.

CONSTRUCTION START DATE: MARCH 2026 (TENTATIVE)
CONSTRUCTION END DATE: MAY 2026 (TENTATIVE)

TEMPORARY STABILIZATION

DEFINITION

TO STABILIZE DISTURBED SOILS WITH VEGETATION FOR UP TO 6 MONTHS.

PURPOSE

TO USE FAST GROWING VEGETATION THAT PROVIDES COVER ON DISTURBED SOILS.

CONDITIONS WHERE PRACTICE APPLIES

EXPOSED SOILS WHERE GROUND COVER IS NEEDED FOR A PERIOD OF 6 MONTHS OR LESS. FOR LONGER DURATION OF TIME, PERMANENT STABILIZATION PRACTICES ARE REQUIRED.

CRITERIA

1. SELECT ONE OR MORE OF THE SPECIES OR SEED MIXTURES LISTED IN TABLE B.1 FOR THE APPROPRIATE PLANT HARDINESS ZONE (FROM FIGURE B.3), AND ENTER THEM IN THE TEMPORARY SEEDING SUMMARY BELOW ALONG WITH APPLICATION RATES, SEEDING DATES AND SEEDING DEPTHS. IF THIS SUMMARY IS NOT PUT ON THE PLAN AND COMPLETED, THEN TABLE B.1 PLUS FERTILIZER AND LIME RATES MUST BE PUT ON THE PLAN.
2. FOR SITES HAVING SOIL TESTS PERFORMED, USE AND SHOW THE RECOMMENDED RATES BY THE TESTING AGENCY. SOIL TESTS ARE NOT REQUIRED FOR TEMPORARY SEEDING.
3. WHEN STABILIZATION IS REQUIRED OUTSIDE OF A SEEDING SEASON, APPLY SEED AND MULCH OR STRAW MULCH ALONE AS PRESCRIBED IN SECTION B–4–3.A.1.B AND MAINTAIN UNTIL THE NEXT SEEDING SEASON.

TEMPORARY SEEDING SUMMARY
SEE TABLE

PERMANENT STABILIZATION

DEFINITION

TO STABILIZE DISTURBED SOILS WITH PERMANENT VEGETATION.

PURPOSE

TO USE LONG–LIVED PERENNIAL GRASSES AND LEGUMES TO ESTABLISH PERMANENT GROUND COVER ON DISTURBED SOILS.

CONDITIONS WHERE PRACTICE APPLIES

EXPOSED SOILS WHERE GROUND COVER IS NEEDED FOR 6 MONTHS OR MORE.

CRITERIA

A. SEED MIXTURES
   1. GENERAL USE
      a. SELECT ONE OR MORE OF THE SPECIES OR MIXTURES LISTED IN TABLE B.3 FOR THE APPROPRIATE PLANT HARDINESS ZONE (FROM FIGURE B.3) AND BASED ON THE SITE CONDITION OR PURPOSE FOUND ON TABLE B.2. ENTER SELECTED MIXTURE(S), APPLICATION RATES, AND SEEDING DATES IN THE PERMANENT SEEDING SUMMARY. THE SUMMARY IS TO BE PLACED ON THE PLAN.
      b. ADDITIONAL PLANTING SPECIFICATIONS FOR EXCEPTIONAL SITES SUCH AS SHORELINES, STREAM BANKS, OR DUNES OR FOR SPECIAL PURPOSES SUCH AS WILDLIFE OR AESTHETIC TREATMENT MAY BE FOUND IN USDA–NRCS TECHNICAL FIELD OFFICE GUIDE, SECTION 342 – CRITICAL AREA PLANTING.
      c. FOR SITES HAVING DISTURBED AREA OVER 5 ACRES, USE AND SHOW THE RATES RECOMMENDED BY THE SOIL TESTING AGENCY.
      d. FOR AREAS RECEIVING LOW MAINTENANCE, APPLY UREA FORM FERTILIZER (46–0–0) AT 3 ½ POUNDS PER 1000 SQUARE FEET (150 POUNDS PER ACRE) AT THE TIME OF SEEDING IN ADDITION TO THE SOIL AMENDMENTS SHOWN IN THE PERMANENT SEEDING SUMMARY .
   1. TURF GRASS MIXTURES
      a. AREAS WHERE TURF GRASS MAY BE DESIRED INCLUDE LAWNS, PARKS, PLAYGROUNDS, AND COMMERCIAL SITES WHICH WILL RECEIVE A MEDIUM TO HIGH LEVEL OF MAINTENANCE.
      b. SELECT ONE OR MORE OF THE SPECIES OR MIXTURES LISTED BELOW BASED ON THE SITE CONDITIONS OR PURPOSE. ENTER SELECTED MIXTURE(S), APPLICATION RATES, AND SEEDING DATES IN THE PERMANENT SEEDING SUMMARY. THE SUMMARY IS TO BE PLACED ON THE PLAN.

      i. KENTUCKY BLUEGRASS: FULL SUN MIXTURE: FOR USE IN AREAS THAT RECEIVE INTENSIVE MANAGEMENT. IRRIGATION REQUIRED IN THE AREAS OF CENTRAL MARYLAND AND EASTERN SHORE. RECOMMENDED CERTIFIED KENTUCKY BLUEGRASS CULTIVARS SEEDING RATE: 1.5 TO 2.0 POUNDS PER 1000 SQUARE FEET. CHOOSE A MINIMUM OF THREE KENTUCKY BLUEGRASS CULTIVARS WITH EACH RANGING FROM 10 TO 35 PERCENT OF THE TOTAL MIXTURE BY WEIGHT.
      ii. KENTUCKY BLUEGRASS/PERENNIAL RYE: FULL SUN MIXTURE: FOR USE IN FULL SUN AREAS WHERE B.22 RAPID ESTABLISHMENT IS NECESSARY AND WHEN TURF WILL RECEIVE MEDIUM TO INTENSIVE MANAGEMENT. CERTIFIED PERENNIAL RYEGRASS CULTIVARS/CERTIFIED KENTUCKY BLUEGRASS SEEDING RATE: 2 POUNDS MIXTURE PER 1000 SQUARE FEET. CHOOSE A MINIMUM OF THREE KENTUCKY BLUEGRASS CULTIVARS WITH EACH RANGING FROM 10 TO 35 PERCENT OF THE TOTAL MIXTURE BY WEIGHT.
      iii. TALL FESCUE/KENTUCKY BLUEGRASS: FULL SUN MIXTURE: FOR USE IN DROUGHT PRONE AREAS AND/OR FOR AREAS RECEIVING LOW TO MEDIUM MANAGEMENT IN FULL SUN TO MEDIUM SHADE. RECOMMENDED MIXTURE INCLUDES; CERTIFIED TALL FESCUE CULTIVARS 95 TO 100 PERCENT, CERTIFIED KENTUCKY BLUEGRASS CULTIVARS 0 TO 5 PERCENT. SEEDING RATE: 5 TO 8 POUNDS PER 1000 SQUARE FEET. ONE OR MORE CULTIVARS MAY BE BLENDED.
      iv. KENTUCKY BLUEGRASS/FINE FESCUE: SHADE MIXTURE: FOR USE IN AREAS WITH SHADE IN BLUEGRASS LAWNS. FOR ESTABLISHMENT IN HIGH QUALITY, INTENSIVELY MANAGED TURF AREA. MIXTURE INCLUDES; CERTIFIED KENTUCKY BLUEGRASS CULTIVARS 30 TO 40 PERCENT AND CERTIFIED FINE FESCUE AND 60 TO 70 PERCENT. SEEDING RATE: 1½ TO 3 POUNDS PER 1000 SQUARE FEET.

         NOTES:
         SELECT TURF GRASS VARIETIES FROM THOSE LISTED IN THE MOST CURRENT UNIVERSITY OF MARYLAND PUBLICATION, AGRONOMY MEMO #77, "TURF GRASS CULTIVAR RECOMMENDATIONS FOR MARYLAND" CHOOSE CERTIFIED MATERIAL. CERTIFIED MATERIAL IS THE BEST GUARANTEE OF CULTIVAR PURITY. THE CERTIFICATION PROGRAM OF THE MARYLAND DEPARTMENT OF AGRICULTURE, TURF AND SEED SECTION, PROVIDES A RELIABLE MEANS OF CONSUMER PROTECTION AND ASSURES A PURE GENETIC LINE.

      c. IDEAL TIMES OF SEEDING FOR TURF GRASS MIXTURES
         WESTERN MD: MARCH 15 TO JUNE 1, AUGUST 1 TO OCTOBER 1 (HARDINESS ZONES: 5B, 6A)
         CENTRAL MD: MARCH 1 TO MAY 15, AUGUST 15 TO OCTOBER 15 (HARDINESS ZONE: 6B)
         SOUTHERN MD, EASTERN SHORE: MARCH 1 TO MAY 15, AUGUST 15 TO OCTOBER 15 (HARDINESS ZONES: 7A, 7B)
      d. TILL AREAS TO RECEIVE SEED BY DISKING OR OTHER APPROVED METHODS TO A DEPTH OF 2 TO 4 INCHES, LEVEL AND RAKE THE AREAS TO PREPARE A PROPER SEEDBED. REMOVE STONES AND DEBRIS OVER 1½ INCHES IN DIAMETER. THE RESULTING SEEDBED MUST BE IN SUCH CONDITION THAT FUTURE MOWING OF GRASSES WILL POSE NO DIFFICULTY.
      e. IF SOIL MOISTURE IS DEFICIENT, SUPPLY NEW SEEDINGS WITH ADEQUATE WATER FOR PLANT GROWTH (½ TO 1 INCH EVERY 3 TO 4 DAYS DEPENDING ON SOIL TEXTURE) UNTIL THEY ARE FIRMLY ESTABLISHED. THIS IS ESPECIALLY TRUE WHEN SEEDINGS ARE MADE LATE IN THE PLANTING SEASON, IN ABNORMALLY DRY OR HOT SEASONS, OR ON ADVERSE SITES.

PERMANENT SEEDING SUMMARY
SEE TABLE

B. SOD: TO PROVIDE QUICK COVER ON DISTURBED AREAS (2:1 GRADE OR FLATTER).
   1. GENERAL SPECIFICATIONS
      a. CLASS OF TURF GRASS SOD MUST BE MARYLAND STATE CERTIFIED. SOD LABELS MUST BE MADE AVAILABLE TO THE JOB FOREMAN AND INSPECTOR.
      b. SOD MUST BE MACHINE CUT AT A UNIFORM SOIL THICKNESS OF ¾ INCH, PLUS OR MINUS ¼ INCH, AT THE TIME OF CUTTING. MEASUREMENT FOR THICKNESS MUST EXCLUDE TOP GROWTH AND THATCH. BROKEN PADS AND TORN OR UNEVEN ENDS WILL NOT BE ACCEPTABLE.
      c. STANDARD SIZE SECTIONS OF SOD MUST BE STRONG ENOUGH TO SUPPORT THEIR OWN WEIGHT AND RETAIN THEIR SIZE AND SHAPE WHEN SUSPENDED VERTICALLY WITH A FIRM GRASP ON THE UPPER 10 PERCENT OF THE SECTION.
      d. SOD MUST NOT BE HARVESTED OR TRANSPLANTED WHEN MOISTURE CONTENT (EXCESSIVELY DRY OR WET) MAY ADVERSELY AFFECT ITS SURVIVAL.
      e. SOD MUST BE HARVESTED, DELIVERED, AND INSTALLED WITHIN A PERIOD OF 36 HOURS. SOD NOT TRANSPLANTED WITHIN THIS PERIOD MUST BE APPROVED BY AN AGRONOMIST OR SOIL SCIENTIST PRIOR TO ITS INSTALLATION.
   1. SOD INSTALLATION
      a. DURING PERIODS OF EXCESSIVELY HIGH TEMPERATURE OR IN AREAS HAVING DRY SUBSOIL, LIGHTLY IRRIGATE THE SUBSOIL IMMEDIATELY PRIOR TO LAYING THE SOD.
      b. LAY THE FIRST ROW OF SOD IN A STRAIGHT LINE WITH SUBSEQUENT ROWS PLACED PARALLEL TO IT AND TIGHTLY WEDGED AGAINST EACH OTHER. STAGGER LATERAL JOINTS TO PROMOTE MORE UNIFORM GROWTH AND STRENGTH. ENSURE THAT SOD IS NOT STRETCHED OR OVERLAPPED AND THAT ALL JOINTS ARE BUTTED TIGHT IN ORDER TO PREVENT VOIDS WHICH WOULD CAUSE AIR DRYING OF THE ROOTS.
      c. WHEREVER POSSIBLE, LAY SOD WITH THE LONG EDGES PARALLEL TO THE CONTOUR AND WITH STAGGERING JOINTS. ROLL AND TAMP, PEG OR OTHERWISE SECURE THE SOD TO PREVENT SLIPPAGE ON SLOPES. ENSURE SOLID CONTACT EXISTS BETWEEN SOD ROOTS AND THE UNDERLYING SOIL SURFACE.
      d. WATER THE SOD IMMEDIATELY FOLLOWING ROLLING AND TAMPING UNTIL THE UNDERSIDE OF THE NEW SOD PAD AND SOIL SURFACE BELOW THE SOD ARE THOROUGHLY WET. COMPLETE THE OPERATIONS OF LAYING, TAMPING AND IRRIGATING FOR ANY PIECE OF SOD WITHIN EIGHT HOURS.
   3. SOD MAINTENANCE
      a. IN THE ABSENCE OF ADEQUATE RAINFALL, WATER DAILY DURING THE FIRST WEEK OR AS OFTEN AND SUFFICIENTLY AS NECESSARY TO MAINTAIN MOIST SOIL TO A DEPTH OF 4 INCHES. WATER SOD DURING THE HEAT OF THE DAY TO PREVENT WILTING.
      b. AFTER THE FIRST WEEK, SOD WATERING IS REQUIRED AS NECESSARY TO MAINTAIN ADEQUATE MOISTURE CONTENT.
      c. DO NOT MOW UNTIL THE SOD IS FIRMLY ROOTED. NO MORE THAN ½ OF THE GRASS LEAF MUST BE REMOVED BY THE INITIAL CUTTING OR SUBSEQUENT CUTTINGS. MAINTAIN A GRASS HEIGHT OF AT LEAST 3 INCHES UNLESS OTHERWISE SPECIFIED.

DEWATERING PROCEDURE NOTES

1. WHENEVER GROUNDWATER IS ENCOUNTERED DURING CONSTRUCTION OR EXCAVATION OPERATIONS, DEWATERING PRACTICE SHALL BE APPLIED USING THE COUNTY SOIL CONSERVATION AND MDE APPROVED PROCEDURE AS SPECIFIED IN THE MOST CURRENT EROSION AND SEDIMENT CONTROL MANUAL.
2. A PORTABLE PUMP SHALL BE UTILIZED FOR DEWATERING ACTIVITY AS NECESSARY. USE FILTER BAGS AS REQUIRED.
3. NO SEDIMENT LADEN RUNOFF SHALL BE DISCHARGED OUTSIDE OF THE LIMIT OF DISTURBANCE.
4. DISPOSE OF ACCUMULATED SEDIMENTS DURING DEWATERING PROCEDURE IN AN APPROVED MANNER.

STANDARDS AND SPECIFICATIONS FOR SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS

DEFINITION

–THE PROCESS OF PREPARING THE SOILS TO SUSTAIN ADEQUATE VEGETATIVE STABILIZATION.

PURPOSE

–TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH.

CONDITIONS WHERE PRACTICE APPLIES

–WHERE VEGETATIVE STABILIZATION IS TO BE ESTABLISHED

CRITERIA

A. SOIL PREPARATION
   1. TEMPORARY STABILIZATION
      a. SEEDBED PREPARATION CONSISTS OF LOOSENING SOIL TO A DEPTH OF 3 TO 5 INCHES BY MEANS OF SUITABLE AGRICULTURAL OR CONSTRUCTION EQUIPMENT, SUCH AS DISC HARROWS OR CHISEL PLOWS OR RIPPERS MOUNTED ON CONSTRUCTION EQUIPMENT. AFTER THE SOIL IS LOOSENED, IT MUST NOT BE ROLLED OR DRAGGED SMOOTH BUT LEFT IN THE ROUGHENED CONDITION. SLOPES 3:1 OR FLATTER ARE TO BE TRACKED WITH RIDGES RUNNING PARALLEL TO THE CONTOUR OF THE SLOPE.
      b. APPLY FERTILIZER AND LIME AS PRESCRIBED ON THE PLANS.
      c. INCORPORATE LIME AND FERTILIZER INTO THE TOP 3 TO 5 INCHES OF SOIL BY DISKING OR OTHER SUITABLE MEANS.
   2. PERMANENT STABILIZATION
      a. A SOIL TEST IS REQUIRED FOR ANY EARTH DISTURBANCE OF 5 ACRES OR MORE. THE MINIMUM SOIL CONDITIONS REQUIRED FOR PERMANENT VEGETATIVE ESTABLISHMENTS ARE:

      i. SOIL PH BETWEEN 6.0 AND 7.0.
      ii. SOLUBLE SALTS LESS THAN 500 PARTS PER MILLION (ppm).
      iii. SOIL CONTAINS LESS THAN 40 PERCENT CLAY BUT ENOUGH FINE GRAINED MATERIAL (GREATER THAN 30 PERCENT SILT PLUS CLAY) TO PROVIDE THE CAPACITY TO HOLD A MODERATE AMOUNT OF MOISTURE. AN EXCEPTION: IF LOVEGRASS WILL BE PLANTED, THEN A SANDY SOIL (LESS THAN 30 PERCENT SILT PLUS CLAY) WOULD BE ACCEPTABLE.
      iv. SOIL CONTAINS 1.5 PERCENT MINIMUM ORGANIC MATTER BY WEIGHT.
      v. SOIL CONTAINS PORE SPACE TO PERMIT ADEQUATE ROOT PENETRATION.

      b. APPLICATION OF AMENDMENTS OR TOPSOIL IS REQUIRED IF ON–SITE SOILS DO NOT MEET THE ABOVE CONDITIONS.
      c. GRADED AREAS MUST BE MAINTAINED IN A TRUE AND EVEN GRADE AS SPECIFIED ON THE APPROVED PLAN, THEN SCARIFIED OR OTHERWISE LOOSENED TO A DEPTH OF 3 TO 5 INCHES.
      d. APPLY SOIL AMENDMENTS AS SPECIFIED ON THE APPROVED PLAN OR AS INDICATED BY THE RESULTS OF A SOIL TEST.
      e. MIX SOIL AMENDMENTS INTO THE TOP 3 TO 5 INCHES OF SOIL BY DISKING OR OTHER SUITABLE MEANS. RAKE LAWN AREAS TO SMOOTH THE SURFACE, REMOVE LARGE OBJECTS LIKE STONES AND BRANCHES, AND READY THE AREA FOR SEED APPLICATION. LOOSEN SURFACE SOIL BE DRAGGING WITH A HEAVY CHAIN OR OTHER EQUIPMENT TO ROUGHEN THE SURFACE WHERE SITE CONDITIONS WILL NOT PERMIT NORMAL SEEDBED PREPARATION. TRACK SLOPES 3:1 OR FLATTER WITH TRACKED EQUIPMENT LEAVING THE SOIL IN AN IRREGULAR CONDITION WITH RIDGES RUNNING PARALLEL TO THE CONTOUR OF THE SLOPE. LEAVE THE TOP 1 TO 3 INCHES OF SOIL LOOSE AND FRIABLE. SEEDBED LOOSENING MAY BE UNNECESSARY ON NEWLY DISTURBED AREAS.

B. TOPSOILING
   1. TOPSOIL IN PLACED OVER PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION. THE PURPOSE IS TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH. SOILS OF CONCERN HAVE A LOW MOISTURE CONTENT, LOW NUTRIENT LEVELS, LOW PH, MATERIALS TOXIC TO PLANTS, AND/OR UNACCEPTABLE SOIL GRADATION.
   2. TOPSOIL SALVAGED FROM AN EXISTING SITE MAY BE USED PROVIDED IT MEETS THE STANDARDS AS SET FORTH IN THE SPECIFICATION. TYPICALLY, THE DEPTH OF TOPSOIL TO BE SALVAGED FOR A GIVEN SOIL TYPE CAN BE FOUND IN THE REPRESENTATIVE SOIL PROFILE SECTION IN THE SOIL SURVEY PUBLISHED BY USDA–NRCS.
   3. TOPSOILING IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPED WHERE:
      a. THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS NOT ADEQUATE TO PRODUCE VEGETATIVE GROWTH.
      b. THE SOIL MATERIAL IS SO SHALLOW THAT THE ROOTING ZONE IS NOT DEEP ENOUGH TO SUPPORT PLANTS OR FURNISH CONTINUING SUPPLIES OF MOISTURE AND PLANT NUTRIENTS.
      c. THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIALS TOXIC TO PLANT GROWTH.
      d. THE SOIL IS SO ACIDIC THAT TREATMENT WITH LIMESTONE IS NOT FEASIBLE.
   4. AREAS HAVING SLOPES STEEPER THAN 2:1 REQUIRE SPECIAL CONSIDERATION AND DESIGN.
   5. TOPSOIL SPECIFICATIONS: SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING CRITERIA:
      a. TOPSOIL MUST BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, OR LOAMY SAND. OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY.
      b. TOPSOIL MUST BE FREE OF NOXIOUS PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACK GRASS, JOHNSON GRASS, NUT SEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.
      c. TOPSOIL SUBSTITUTES OR AMENDMENTS, AS RECOMMENDED BY A QUALIFIED AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY, MAY BE USED IN LIEU OF NATURAL TOPSOIL.
   6. TOPSOIL APPLICATION
      a. EROSION AND SEDIMENT CONTROL PRACTICES MUST BE MAINTAINED WHEN APPLYING TOPSOIL.
      b. UNIFORMLY DISTRIBUTE TOPSOIL IN A 5 TO 8 INCH LAYER AND LIGHTLY COMPACT TO A MINIMUM THICKNESS OF 4 INCHES. SPREADING IS TO BE PERFORMED IN SUCH A MANNER THAT SODDING OR SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL SOIL PREPARATION AND TILLAGE. ANY IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS MUST BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS.
      c. TOPSOIL MUST NOT BE PLACED IS THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION.

C. SOIL AMENDMENTS (FERTILIZER AND LIME SPECIFICATIONS)
   1. SOIL TESTS MUST BE PERFORMED TO DETERMINE THE EXACT RATIOS AND APPLICATION RATES FOR BOTH LIME AND FERTILIZER ON SITES HAVING DISTURBED AREAS OF 5 ACRES OR MORE. SOIL ANALYSIS MAY BE PERFORMED BY A RECOGNIZED PRIVATE LABORATORY. SOIL SAMPLES TAKEN FOR ENGINEERING PURPOSES MAY ALSO BE USED FOR CHEMICAL ANALYSES.
   2. FERTILIZERS MUST BE UNIFORM IN COMPOSITION, FREE FLOWING AND SUITABLE FOR ACCURATE APPLICATION BY APPROPRIATE EQUIPMENT. MANURE MAY BE SUBSTITUTED FOR FERTILIZER WITH PRIOR APPROVAL FROM THE APPROPRIATE APPROVAL AUTHORITY. FERTILIZERS MUST ALL BE DELIVERED TO THE SITE FULLY LABELED ACCORDING TO THE APPLICABLE LAWS AND MUST BEAR THE NAME, TRADE NAME, OR TRADEMARK AND WARRANTY OF THE PRODUCER.
   3. LIME MATERIALS MUST BE GROUND LIMESTONE (HYDRATED OR BURNT LIME MAY BE SUBSTITUTED EXCEPT WHEN HYDROSEEDING) WHICH CONTAINS AT LEAST 50 PERCENT TOTAL OXIDES (CALCIUM OXIDE PLUS MAGNESIUM OXIDE). LIMESTONE MUST BE GROUND TO SUCH FINENESS THAT AT LEAST 50 PERCENT WILL PASS THROUGH A #100 MESH SIEVE AND 98 TO 100 PERCENT WILL PASS THROUGH A #20 MESH SIEVE.
   4. LIME AND FERTILIZER ARE TO BE EVENLY DISTRIBUTED AND INCORPORATED INTO THE TOP 3 TO 5 INCHES OF SOIL BY DISKING OR OTHER SUITABLE MEANS.
   5. WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC COMPOSED OF HEAVY CLAYS, SPREAD GROUND LIMESTONE AT THE RATE OF 4 TO 8 TONS/ACRE (200–400 POUNDS PER 1,000 SQUARE FEET) PRIOR TO THE PLACEMENT OF TOPSOIL.

SOIL INFORMATION

SYMBOL	NAME	HYDROLOGIC SOIL GROUP
CeB	CEDARTOWN–ROSEDALE COMPLEX	A
MpB	MATTAPEX FINE SANDY LOAM	C
SadB	SASSAFRAS SANDY LOAM	B
WddB	WOODSTOWN SANDY LOAM	C

SOIL CLASSIFICATION OBTAINED FROM NRCS–WEB SOIL SURVEY

CUT/FILL ANALYSIS

CUT = 1035 Cy
FILL = 245 Cy
NET = 791 Cy <CUT>

TEMPORARY SEEDING SUMMARY

HARDINESS ZONE (FROM FIGURE B.3): 7B SEED MIXTURE (FROM TABLE B.1):					FERTILIZER RATE (10-20-20)	LIME RATE
NO.	SPECIES	APPL. RATE (LBS/AC)	SEEDING DATES	SEEDING DEPTHS		
	ANNUAL RYEGRASS	40	2/15 TO 4/30 8/15 TO 11/30	0.5	436LBS/AC. 10LBS/1000SF	2 TONS/AC 90LBS/1000SF

PERMANENT SEEDING SUMMARY

HARDINESS ZONE (FROM FIGURE B.3): 7B SEED MIXTURE (FROM TABLE B.3): 1					FERTILIZER RATE (10-20-20)			LIME RATE
NO.	SPECIES	APPL. RATE (LBS/AC)	SEEDING DATES	SEEDING DEPTHS	N	P205	K20	
1	COASTAL PANIC GRASS	10	2/15 TO 4/30 5/1 TO 5/31	¼ TO ½	45LBS/AC 1LBS/1000SF	90LBS/AC 2LBS/1000SF	90LBS/AC 2LBS/1000SF	2 TONS/AC 90LBS/1000SF
	CREEPING RED FESCUE	15	2/15 TO 4/30 5/1 TO 5/31	¼ TO ½				
	PARTRIDGE PEA	4	2/15 TO 4/30 5/1 TO 5/31	¼ TO ½				

PRINTS ISSUED FOR:
REVIEW

NO.	REVISIONS	DATE

GMB
GEORGE, MILES & BUHR, LLC
ARCHITECTS & ENGINEERS
SALISBURY · BALTIMORE · SEAFORD
206 WEST MAIN STREET
SALISBURY, MARYLAND 21801
410–742–3115, FAX 410–548–5790
www.gmbnet.com

JOHN WALTER SMITH PARK
SNOW HILL, MARYLAND

STATE OF MARYLAND
CHRISTOPHER J. PFEIFER
56492
PROFESSIONAL ENGINEER
02/13/2026

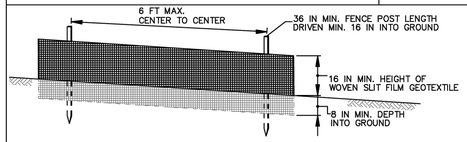
EROSION & SEDIMENT CONTROL NOTES

SCALE : N/A
DESIGN BY : JRS
DRAWN BY : RFT
CHECKED BY : CJP
GMB FILE : 250038
DATE : OCT 2025

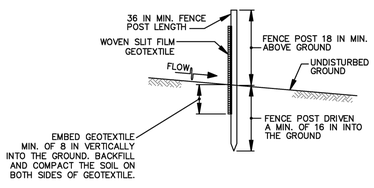
SHEET NO.
C1.2

DETAIL E-1 SILT FENCE

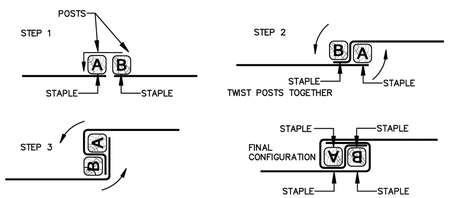
STANDARD SYMBOL —SF—



ELEVATION



CROSS SECTION



JOINING TWO ADJACENT SILT FENCE SECTIONS (TOP VIEW)

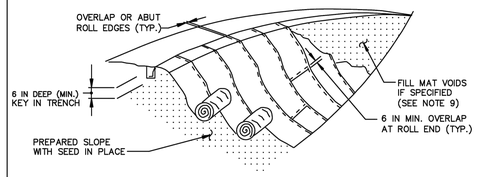
1 OF 2

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL B-4-6-D PERMANENT SOIL STABILIZATION MATTING SLOPE APPLICATION

STANDARD SYMBOL PSSMS – * lb/ft² (* INCLUDE SHEAR STRESS)



ISOMETRIC VIEW

CONSTRUCTION SPECIFICATIONS

1. USE MATTING THAT HAS A DESIGN VALUE FOR SHEAR STRESS EQUAL TO OR HIGHER THAN THE SHEAR STRESS DESIGNATED ON APPROVED PLANS.
2. USE PERMANENT SOIL STABILIZATION MATTING MADE OF OPEN WEAVE SYNTHETIC, NON–DEGRADABLE FIBERS OR ELEMENTS OF UNIFORM THICKNESS AND DISTRIBUTION THROUGHOUT. CHEMICALS USED IN THE MAT MUST BE NON–LEACHING AND NON–TOXIC TO VEGETATION AND SEED GERMINATION AND NON–INJURIOUS TO THE SKIN. IF PRESENT, NETTING MUST BE EXTRUDED PLASTIC WITH A MAXIMUM MESH OPENING OF 2x2 INCHES AND SUFFICIENTLY BONDED OR SEWN ON 2 INCH CENTERS ALONG LONGITUDINAL AXIS OF THE MATERIAL TO PREVENT SEPARATION OF THE NET FROM THE PARENT MATERIAL.
3. SECURE MATTING USING STEEL STAPLES OR WOOD STAKES. STAPLES MUST BE "U" OR "T" SHAPED STEEL WIRE HAVING A MINIMUM GAUGE OF NO. 11 AND NO. 8 RESPECTIVELY. "U" SHAPED STAPLES MUST AVERAGE 1 TO 1½ INCHES WIDE AND BE A MINIMUM OF 6 INCHES LONG. "T" SHAPED STAPLES MUST HAVE A MINIMUM 8 INCH MAIN LEG, A MINIMUM 1 INCH SECONDARY LEG, AND MINIMUM 4 INCH HEAD. WOOD STAKES MUST BE ROUGH–SAWN HARDWOOD, 12 TO 24 INCHES IN LENGTH, 1x3 INCH IN CROSS SECTION, AND WEDGE SHAPE AT THE BOTTOM.
4. PERFORM FINAL GRADING, TOPSOIL APPLICATION, SEEDBED PREPARATION, AND PERMANENT SEEDING IN ACCORDANCE WITH SPECIFICATIONS. PLACE MATTING WITHIN 48 HOURS OF COMPLETING SEEDING OPERATIONS, UNLESS END OF WORKDAY STABILIZATION IS SPECIFIED ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
5. UNROLL MATTING DOWN SLOPE. LAY MATTING SMOOTHLY AND FIRMLY UPON THE SEEDED SURFACE. AVOID STRETCHING THE MATTING.
6. OVERLAP OR ABUT EDGES OF MATTING ROLLS PER MANUFACTURER RECOMMENDATIONS. OVERLAP ROLL ENDS BY 6 INCHES (MINIMUM), WITH THE UPSTREAM MAT OVERLAPPING ON TOP OF THE DOWNSLOPE MAT.
7. KEY IN THE TOP OF SLOPE END OF MAT 6 INCHES (MINIMUM) BY DIGGING A TRENCH, PLACING THE MATTING ROLL END IN THE TRENCH, STAPLING THE MAT IN PLACE, REPLACING THE EXCAVATED MATERIAL, AND TAMPING TO SECURE THE MAT END IN THE KEY.
8. STAPLE/STAKE MAT IN A STAGGERED PATTERN ON 4 FOOT (MAXIMUM) CENTERS THROUGHOUT AND 2 FOOT (MAXIMUM) CENTERS ALONG SEAMS, JOINTS, AND ROLL ENDS.
9. IF SPECIFIED BY THE DESIGNER OR MANUFACTURER AND DEPENDING ON THE TYPE OF MAT BEING INSTALLED, ONCE THE MATTING IS KEYED AND STAPLED IN PLACE, FILL THE MAT VOIDS WITH TOP SOIL OR GRANULAR MATERIAL AND LIGHTLY COMPACT OR ROLL TO MAXIMIZE SOIL/MAT CONTACT WITHOUT CRUSHING MAT.
10. ESTABLISH AND MAINTAIN VEGETATION SO THAT REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT ARE CONTINUOUSLY MET IN ACCORDANCE WITH SECTION B–4 VEGETATIVE STABILIZATION.

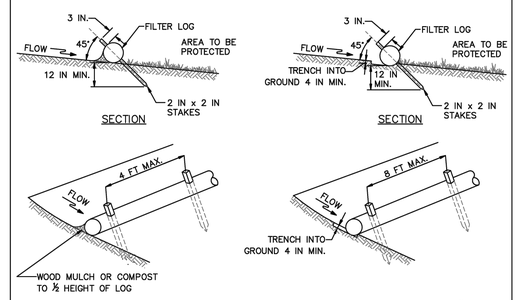
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL E-6 FILTER LOG

STANDARD SYMBOL —FL–18—

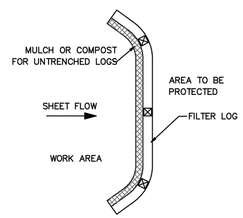
DESIGNATION FL–18 REFERS TO 18 INCH DIAMETER FILTER LOG.



UNTRENCHED INSTALLATION OR ENTRENCHED INSTALLATION*

*THIS APPLICATION MAY NOT BE USED WITH LOGS SMALLER THAN 12 IN.

ISOMETRIC VIEW



PLAN

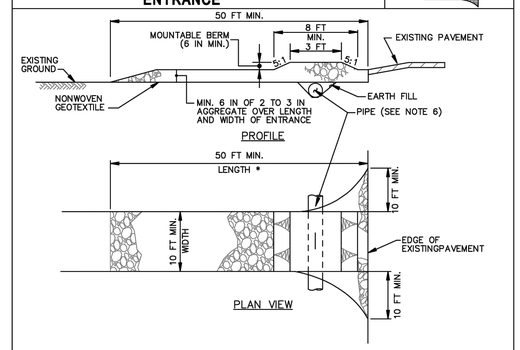
1 OF 2

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL B-1 STABILIZED CONSTRUCTION ENTRANCE

STANDARD SYMBOL SCE



CONSTRUCTION SPECIFICATIONS

1. PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE SCE. USE MINIMUM LENGTH OF 50 FEET (*30 FEET FOR SINGLE RESIDENCE LOT). USE MINIMUM WIDTH OF 10 FEET. FLARE SCE 10 FEET MINIMUM 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. PROTECT PIPE INSTALLED THROUGH THE SCE WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 12 INCHES OF STONE OVER THE PIPE. PROVIDE PIPE AS SPECIFIED ON APPROVED PLAN. 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 SCE IS NOT LOCATED AT A HIGH SPOT.
3. PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H–1 MATERIALS.
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.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL E-1 SILT FENCE

STANDARD SYMBOL —SF—

CONSTRUCTION SPECIFICATIONS

1. USE WOOD POSTS 1¾ X 1¾ ± ⅛ INCH (MINIMUM) SQUARE CUT OF SOUND QUALITY HARDWOOD. AS AN ALTERNATIVE TO WOODEN POST USE STANDARD "T" OR "U" SECTION STEEL POSTS WEIGHING NOT LESS THAN 1 POUND PER LINEAR FOOT.
2. USE 36 INCH MINIMUM POSTS DRIVEN 16 INCH MINIMUM INTO GROUND NO MORE THAN 6 FEET APART.
3. USE WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H–1 MATERIALS AND FASTEN GEOTEXTILE SECURELY TO UPSLOPE SIDE OF FENCE POSTS WITH WIRE TIES OR STAPLES AT TOP AND MID–SECTION.
4. PROVIDE MANUFACTURER CERTIFICATION TO THE AUTHORIZED REPRESENTATIVE OF THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT THE GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H–1 MATERIALS.
5. EMBED GEOTEXTILE A MINIMUM OF 8 INCHES VERTICALLY INTO THE GROUND. BACKFILL AND COMPACT THE SOIL ON BOTH SIDES OF FABRIC.
6. WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN: OVERLAP, TWIST, AND STAPLE TO POST IN ACCORDANCE WITH THIS DETAIL.
7. EXTEND BOTH ENDS OF THE SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SILT FENCE.
8. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN SILT FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL FENCE.

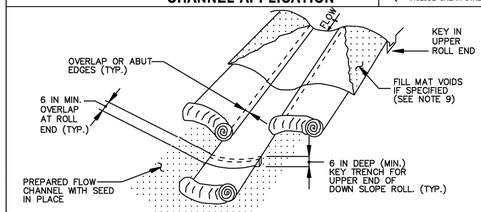
2 OF 2

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL B-4-6-C PERMANENT SOIL STABILIZATION MATTING CHANNEL APPLICATION

STANDARD SYMBOL PSSMC – * lb/ft² (* INCLUDE SHEAR STRESS)



ISOMETRIC VIEW

CONSTRUCTION SPECIFICATIONS

1. USE MATTING THAT HAS A DESIGN VALUE FOR SHEAR STRESS EQUAL TO OR HIGHER THAN THE SHEAR STRESS DESIGNATED ON APPROVED PLANS.
2. USE PERMANENT SOIL STABILIZATION MATTING MADE OF OPEN WEAVE SYNTHETIC, NON–DEGRADABLE FIBERS OR ELEMENTS OF UNIFORM THICKNESS AND DISTRIBUTION THROUGHOUT. CHEMICALS USED IN THE MAT MUST BE NON–LEACHING AND NON–TOXIC TO VEGETATION AND SEED GERMINATION AND NON–INJURIOUS TO THE SKIN. IF PRESENT, NETTING MUST BE EXTRUDED PLASTIC WITH A MAXIMUM MESH OPENING OF 2x2 INCHES AND SUFFICIENTLY BONDED OR SEWN ON 2 INCH CENTERS ALONG LONGITUDINAL AXIS OF THE MATERIAL TO PREVENT SEPARATION OF THE NET FROM THE PARENT MATERIAL.
3. SECURE MATTING USING STEEL STAPLES OR WOOD STAKES. STAPLES MUST BE "U" OR "T" SHAPED STEEL WIRE HAVING A MINIMUM GAUGE OF NO. 11 AND NO. 8 RESPECTIVELY. "U" SHAPED STAPLES MUST AVERAGE 1 TO 1½ INCHES WIDE AND BE A MINIMUM OF 6 INCHES LONG. "T" SHAPED STAPLES MUST HAVE A MINIMUM 8 INCH MAIN LEG, A MINIMUM 1 INCH SECONDARY LEG, AND MINIMUM 4 INCH HEAD. WOOD STAKES MUST BE ROUGH–SAWN HARDWOOD, 12 TO 24 INCHES IN LENGTH, 1x3 INCH IN CROSS SECTION, AND WEDGE SHAPE AT THE BOTTOM.
4. PERFORM FINAL GRADING, TOPSOIL APPLICATION, SEEDBED PREPARATION, AND PERMANENT SEEDING IN ACCORDANCE WITH SPECIFICATIONS. PLACE MATTING WITHIN 48 HOURS OF COMPLETING SEEDING OPERATIONS, UNLESS END OF WORKDAY STABILIZATION IS SPECIFIED ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
5. UNROLL MATTING IN DIRECTION OF WATER FLOW, CENTERING THE FIRST ROLL ON THE CHANNEL CENTER LINE. WORK FROM CENTER OF CHANNEL OUTWARD WHEN PLACING ROLLS. LAY MATTING SMOOTHLY AND FIRMLY UPON THE SEEDED SURFACE. AVOID STRETCHING THE MATTING.
6. OVERLAP OR ABUT EDGES OF MATTING ROLLS PER MANUFACTURER RECOMMENDATIONS. OVERLAP ROLL ENDS BY 6 INCHES (MINIMUM), WITH THE UPSTREAM MAT OVERLAPPING ON TOP OF THE NEXT DOWNSTREAM MAT.
7. KEY IN THE TOP OF SLOPE END OF MAT 6 INCHES (MINIMUM) BY DIGGING A TRENCH, PLACING THE MATTING ROLL END IN THE TRENCH, STAPLING THE MAT IN PLACE, REPLACING THE EXCAVATED MATERIAL, AND TAMPING TO SECURE THE MAT END IN THE KEY.
8. STAPLE/STAKE MAT IN A STAGGERED PATTERN ON 4 FOOT (MAXIMUM) CENTERS THROUGHOUT AND 2 FOOT (MAXIMUM) CENTERS ALONG SEAMS, JOINTS, AND ROLL ENDS.
9. IF SPECIFIED BY THE DESIGNER OR MANUFACTURER AND DEPENDING ON THE TYPE OF MAT BEING INSTALLED, ONCE THE MATTING IS KEYED AND STAPLED IN PLACE, FILL THE MAT VOIDS WITH TOP SOIL OR GRANULAR MATERIAL AND LIGHTLY COMPACT OR ROLL TO MAXIMIZE SOIL/MAT CONTACT WITHOUT CRUSHING MAT.
10. ESTABLISH AND MAINTAIN VEGETATION SO THAT REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT ARE CONTINUOUSLY MET IN ACCORDANCE WITH SECTION B–4 VEGETATIVE STABILIZATION.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL E-6 FILTER LOG

STANDARD SYMBOL —FL–18—

DESIGNATION FL–18 REFERS TO 18 INCH DIAMETER FILTER LOG.

CONSTRUCTION SPECIFICATIONS

1. PRIOR TO INSTALLATION, CLEAR ALL OBSTRUCTIONS INCLUDING ROCKS, CLODS, AND DEBRIS GREATER THAN ONE INCH THAT MAY INTERFERE WITH PROPER FUNCTION OF FILTER LOG.
2. FILL LOG NETTING UNIFORMLY WITH COMPOST (IN ACCORDANCE WITH SECTION H–1 MATERIALS), OR OTHER APPROVED BIODEGRADABLE MATERIAL TO DESIRED LENGTH SUCH THAT LOGS DO NOT DEFORM.
3. INSTALL FILTER LOGS PERPENDICULAR TO THE FLOW DIRECTION AND PARALLEL TO THE SLOPE WITH THE BEGINNING AND END OF THE INSTALLATION POINTING SLIGHTLY UP THE SLOPE CREATING A "J" SHAPE AT EACH END TO PREVENT BYPASS.
4. FOR UNTRENCHED INSTALLATION BLOW OR HAND PLACE MULCH OR COMPOST ON UPHILL SIDE OF THE SLOPE ALONG LOG.
5. STAKE FILTER LOG EVERY 4 FEET OR CLOSER ALONG ENTIRE LENGTH OF LOG OR TRENCH LOG INTO GROUND A MINIMUM OF 4 INCHES AND STAKE LOG EVERY 8 FEET OR CLOSER.
6. USE STAKES WITH A MINIMUM NOMINAL CROSS SECTION OF 2X2 INCH AND OF SUFFICIENT LENGTH TO ATTAIN A MINIMUM OF 12 INCHES INTO THE GROUND AND 3 INCHES PROTRUDING ABOVE LOG.
7. WHEN MORE THAN ONE LOG IS NEEDED, OVERLAP ENDS 12 INCHES MINIMUM AND STAKE.
8. REMOVE SEDIMENT WHEN IT HAS ACCUMULATED TO A DEPTH OF ½ THE EXPOSED HEIGHT OF LOG AND REPLACE MULCH. REPLACE FILTER LOG IF TORN. REINSTALL FILTER LOG IF UNDERMINING OR DISLODGING OCCURS. REPLACE CLOGGED FILTER LOGS. FOR PERMANENT APPLICATIONS, ESTABLISH AND CONTINUOUSLY MEET REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT IN ACCORDANCE WITH SECTION B–4 VEGETATIVE STABILIZATION.

2 OF 2

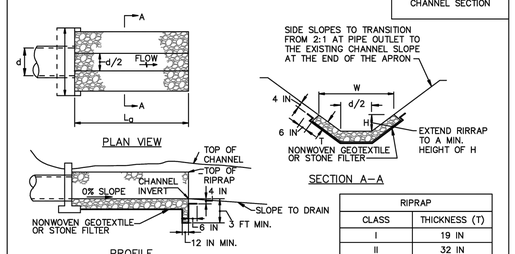
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL D-4-1-B ROCK OUTLET PROTECTION II

STANDARD SYMBOL ROPII

DISCHARGE TO CONFINED CHANNEL SECTION



RIPRAP	
CLASS	THICKNESS (T)
I	19 IN
II	32 IN
III	46 IN

CONSTRUCTION SPECIFICATIONS

1. RIPRAP AND STONE MUST CONFORM TO THE SPECIFIED CLASS.
2. USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H–1 MATERIALS, AND PROTECT FROM PUNCTURING, CUTTING, OR TEARING. REPAIR ANY DAMAGE OTHER THAN AN OCCASIONAL SMALL HOLE BY PLACING ANOTHER PIECE OF GEOTEXTILE OVER THE DAMAGED PART OR BY COMPLETELY REPLACING THE GEOTEXTILE. PROVIDE A MINIMUM OF ONE FOOT OVERLAP FOR ALL REPAIRS AND FOR JOINING TWO PIECES OF GEOTEXTILE TOGETHER.
3. PREPARE THE SUBGRADE FOR GEOTEXTILE OR STONE FILTER (⅜ TO 1½ INCH STONE FOR 6 INCH MINIMUM DEPTH) AND RIPRAP TO THE REQUIRED LINES AND GRADES. COMPACT ANY FILL REQUIRED IN THE SUBGRADE TO A DENSITY OF APPROXIMATELY THAT OF THE SURROUNDING UNDISTURBED MATERIAL.
4. EXTEND GEOTEXTILE AT LEAST 6 INCHES BEYOND EDGES OF RIPRAP AND EMBED AT LEAST 4 INCHES AT SIDES OF RIPRAP.
5. CONSTRUCT RIPRAP OUTLET TO FULL COURSE THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO AVOID DISPLACEMENT OF UNDERLYING MATERIALS. PLACE STONE FOR RIPRAP OUTLET IN A MANNER THAT WILL ENSURE THAT IT IS REASONABLY HOMOGENOUS WITH THE SMALLER STONES AND SPALLS FILLING THE VOIDS BETWEEN THE LARGER STONES. PLACE RIPRAP IN A MANNER TO PREVENT DAMAGE TO THE STONE FILTER BLANKET OR GEOTEXTILE. HAND PLACE TO THE EXTENT NECESSARY.
6. WHERE NO ENDWALL IS USED, CONSTRUCT THE UPSTREAM END OF THE APRON SO THAT THE WIDTH IS TWO TIMES THE DIAMETER OF THE OUTLET PIPE, AND EXTEND THE STONE UNDER THE OUTLET BY A MINIMUM OF 18 INCHES.
7. CONSTRUCT APRON WITH 0% SLOPE ALONG ITS LENGTH AND WITHOUT OBSTRUCTIONS. PLACE STONE SO THAT IT BLENDS IN WITH EXISTING GROUND.
8. MAINTAIN LINE, GRADE, AND CROSS SECTION. KEEP OUTLET FREE OF EROSION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. AFTER HIGH FLOWS INSPECT FOR SCOUR AND DISLODGED RIPRAP. MAKE NECESSARY REPAIRS IMMEDIATELY.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

PRINTS ISSUED FOR: REVIEW

DATE	REVISIONS	NO.

GMB
GEORGE, MILES & BUHR, LLC
ARCHITECTS & ENGINEERS
SALISBURY · BALTIMORE · SEAFORD
206 WEST MAIN STREET
SALISBURY, MARYLAND 21801
410–742–3115, FAX 410–548–5790
www.gmbnet.com

JOHN WALTER SMITH PARK
SNOW HILL, MARYLAND

STATE OF MARYLAND · RICHARD FRANKLIN THOMAS · 56492 · PROFESSIONAL ENGINEER · 02/23/2026

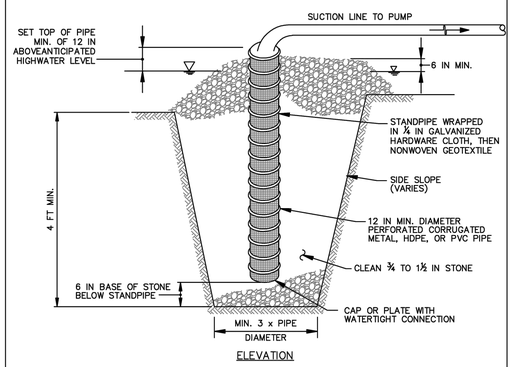
EROSION & SEDIMENT CONTROL DETAILS

		SHEET NO.
SCALE	: NO SCALE	C1.3
DESIGN BY	: JRS	
DRAWN BY	: RFT	
CHECKED BY	: CJP	
GMB FILE	: 250038	
DATE	: OCT 2025	

G:\Projects\2025\250038 John Water Smith Park Site & Civil ENG\Drawings\Working Set\Engineering Plans\C1.3 Erosion & Sediment Control Details.dwg, 2/2/2026 2:20 PM, Richard F. Thomas
PLOT CODE
PEN1–RED 006 INCHES (.15mm)
PEN2–YELLOW 007 INCHES (.18mm)
PEN3–GREEN 010 INCHES (.25mm)
PEN4–BLUE 014 INCHES (.35mm)
PEN5–MAGENTA 020 INCHES (.50mm)
PEN7–WHITE 028 INCHES (.70mm)

DETAIL F-2 SUMP PIT

STANDARD SYMBOL
⊠SP



ELEVATION

CONSTRUCTION SPECIFICATIONS

1. USE 12 INCH OR LARGER DIAMETER CORRUGATED METAL, HDPE, OR PVC PIPE WITH 1 INCH DIAMETER PERFORATIONS, 6 INCHES ON CENTER. BOTTOM OF PIPE MUST BE CAPPED WITH WATERTIGHT SEAL.
2. WRAP PIPE WITH ¼ INCH GALVANIZED HARDWARE CLOTH AND WRAP NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS, OVER THE HARDWARE CLOTH.
3. EXCAVATE PIT TO THREE TIMES THE PIPE DIAMETER AND FOUR FEET IN DEPTH. PLACE ¾ TO 1½ INCH STONE OR EQUIVALENT RECYCLED CONCRETE, 6 INCHES IN DEPTH PRIOR TO PIPE PLACEMENT.
4. SET TOP OF PIPE MINIMUM 12 INCHES ABOVE ANTICIPATED WATER SURFACE ELEVATION.
5. BACKFILL PIT AROUND THE PIPE WITH ¾ TO 1½ INCH CLEAN STONE OR EQUIVALENT RECYCLED CONCRETE AND EXTEND STONE A MINIMUM OF 6 INCHES ABOVE ANTICIPATED WATER SURFACE ELEVATION.
6. DISCHARGE TO A STABLE AREA AT A NONEROSIVE RATE.
7. A SUMP PIT REQUIRES FREQUENT MAINTENANCE. IF SYSTEM CLOGS, REMOVE PERFORATED PIPE AND REPLACE GEOTEXTILE AND STONE. KEEP POINT OF DISCHARGE FREE OF EROSION.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

B-4-8 STANDARDS AND SPECIFICATIONS FOR STOCKPILE AREA

Definition

A mound or pile of soil protected by appropriately designed erosion and sediment control measures.

Purpose

To provide a designated location for the temporary storage of soil that controls the potential for erosion, sedimentation, and changes to drainage patterns.

Conditions Where Practice Applies

Stockpile areas are utilized when it is necessary to salvage and store soil for later use.

Criteria

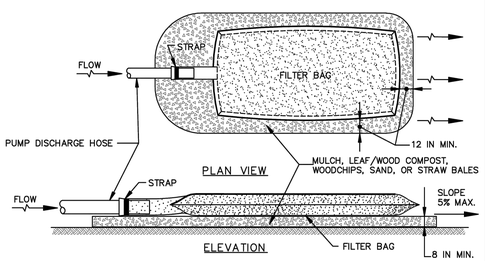
1. The stockpile location and all related sediment control practices must be clearly indicated on the erosion and sediment control plan.
2. The footprint of the stockpile must be sized to accommodate the anticipated volume of material and based on a side slope ratio no steeper than 2:1. Benching must be provided in accordance with Section B-3 Land Grading.
3. Runoff from the stockpile area must drain to a suitable sediment control practice.
4. Access the stockpile area from the upgrade side.
5. Clear water runoff into the stockpile area must be minimized by use of a diversion device such as an earth dike, temporary swale or diversion fence. Provisions must be made for discharging concentrated flow in a non-erosive manner.
6. Where runoff concentrates along the toe of the stockpile fill, an appropriate erosion/sediment control practice must be used to intercept the discharge.
7. Stockpiles must be stabilized in accordance with the 3/7 day stabilization requirement as well as Standard B-4-1 Incremental Stabilization and Standard B-4-4 Temporary Stabilization.
8. If the stockpile is located on an impervious surface, a liner should be provided below the stockpile to facilitate cleanup. Stockpiles containing contaminated material must be covered with impermeable sheeting.

Maintenance

The stockpile area must continuously meet the requirements for Adequate Vegetative Establishment in accordance with Section B-4 Vegetative Stabilization. Side slopes must be maintained at no steeper than a 2:1 ratio. The stockpile area must be kept free of erosion. If the vertical height of a stockpile exceeds 20 feet for 2:1 slopes, 30 feet for 3:1 slopes, or 40 feet for 4:1 slopes, benching must be provided in accordance with Section B-3 Land Grading.

DETAIL F-4 FILTER BAG

STANDARD SYMBOL
⊠FB



ELEVATION

CONSTRUCTION SPECIFICATIONS

1. TIGHTLY SEAL SLEEVE AROUND THE PUMP DISCHARGE HOSE WITH A STRAP OR SIMILAR DEVICE.
2. PLACE FILTER BAG ON SUITABLE BASE (E.G., MULCH, LEAF/WOOD COMPOST, WOODCHIPS, SAND, OR STRAW BALES) LOCATED ON A LEVEL OR 5% MAXIMUM SLOPING SURFACE. DISCHARGE TO A STABILIZED AREA. EXTEND BASE A MINIMUM OF 12 INCHES FROM EDGES OF BAG.
3. CONTROL PUMPING RATE TO PREVENT EXCESSIVE PRESSURE WITHIN THE FILTER BAG IN ACCORDANCE WITH THE MANUFACTURER RECOMMENDATIONS. AS THE BAG FILLS WITH SEDIMENT, REDUCE PUMPING RATE.
4. REMOVE AND PROPERLY DISPOSE OF FILTER BAG UPON COMPLETION OF PUMPING OPERATIONS OR AFTER BAG HAS REACHED CAPACITY, WHICHEVER OCCURS FIRST. SPREAD THE DEWATERED SEDIMENT FROM THE BAG IN AN APPROVED UPLAND AREA AND STABILIZE WITH SEED AND MULCH BY THE END OF THE WORK DAY. RESTORE THE SURFACE AREA BENEATH THE BAG TO ORIGINAL CONDITION UPON REMOVAL OF THE DEVICE.
5. USE NONWOVEN GEOTEXTILE WITH DOUBLE STITCHED SEAMS USING HIGH STRENGTH THREAD. SIZE SLEEVE TO ACCOMMODATE A MAXIMUM 4 INCH DIAMETER PUMP DISCHARGE HOSE. THE BAG MUST BE MANUFACTURED FROM A NONWOVEN GEOTEXTILE THAT MEETS OR EXCEEDS MINIMUM AVERAGE ROLL VALUES (MARV) FOR THE FOLLOWING:

GRAB TENSILE	250 LB	ASTM D-4632
PUNCTURE	150 LB	ASTM D-4833
FLOW RATE	70 GAL/MIN/FT^2	ASTM D-4491
PERMITTIVITY (SEC^{-1})	1.2 SEC^{-1}	ASTM D-4491
UV RESISTANCE	70% STRENGTH @ 500 HOURS	ASTM D-4355
APPARENT OPENING SIZE (AOS)	0.15-0.18 MM	ASTM D-4751
SEAM STRENGTH	90%	ASTM D-4632

6. REPLACE FILTER BAG IF BAG CLOGS OR HAS RIPS, TEARS, OR PUNCTURES. DURING OPERATION KEEP CONNECTION BETWEEN PUMP HOSE AND FILTER BAG WATER TIGHT. REPLACE BEDDING IF IT BECOMES DISPLACED.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

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ARCHITECTS & ENGINEERS
SALISBURY • BALTIMORE • SEAFORD
206 WEST MAIN STREET
SALISBURY, MARYLAND 21801
410-742-3115, FAX 410-548-5790
www.gmbnet.com

JOHN WALTER SMITH PARK
SNOW HILL, MARYLAND

STATE OF MARYLAND
CHRISTOPHER J. PETRUCCI
No. 54492
PROFESSIONAL ENGINEER
02/13/2026

EROSION & SEDIMENT CONTROL DETAILS

SCALE	: NO SCALE	SHEET NO.
DESIGN BY	: JRS	C1.4
DRAWN BY	: RFT	
CHECKED BY	: CJP	
GMB FILE	: 250038	
DATE	: OCT 2025	

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PLOT CODE
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PEN2-YELLOW 203 INCHES (.18mm)
PEN3-GREEN 270 INCHES (.25mm)
PEN4-CYAN 314 INCHES (.30mm)
PEN5-BLUE 203 INCHES (.20mm)
PEN6-MAGENTA 203 INCHES (.20mm)
PEN7-WHITE 203 INCHES (.10mm)

LEGEND

EXISTING

- PROPERTY LINE/RIGHT OF WAY
- BUILDING — EXISTING BUILDING
- MILL PAVEMENT AND BASE
- CURBING & EDGE OF PAVEMENT
- 8"SS — SEWER MAIN
- W — WATER MAIN
- FM — FORCE MAIN
- OHW — OVERHEAD WIRE (ELECTRIC)
- E — ELECTRIC LINE
- G — GAS LINE

PROPOSED

- FULL DEPTH PAVEMENT
- X — SWALE
- PERMANENT SEEDING

0 75 150 300 450

SCALE: 1" = 150'

MARYLAND STATE PLANE NAD 83/2011
VERTICAL DATUM NAVD 88

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SALISBURY • BALTIMORE • SEAFORD
206 WEST MAIN STREET
SALISBURY, MARYLAND 21801
410-742-3115, FAX 410-548-5790
www.gmbnet.com

JOHN WALTER SMITH PARK
SNOW HILL, MARYLAND

STATE OF MARYLAND
CHRISTOPHER J. PETERS
56452
PROFESSIONAL ENGINEER
10/23/2026

OVERALL STORMWATER MANAGEMENT CONSTRUCTION PLAN

SCALE	: 1" = 150'
DESIGN BY	: JRS
DRAWN BY	: RFT
CHECKED BY	: CJP
GMB FILE	: 250038
DATE	: OCT 2025

SHEET NO.
C2.0

G:\Projects\2025\250038 John Water Smith Park Site & Civil ENG\Drawings\Working Set\Engineering Plans\C2.0 Overall Stormwater Management Construction Plan.dwg, 2/2/2026 2:20 PM, Richard F. Thomas

PLOT CODE
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PEN2-YELLOW 207 INCHES (1.0mm)
PEN3-GREEN 209 INCHES (1.0mm)
PEN4-CYAN 214 INCHES (1.0mm)
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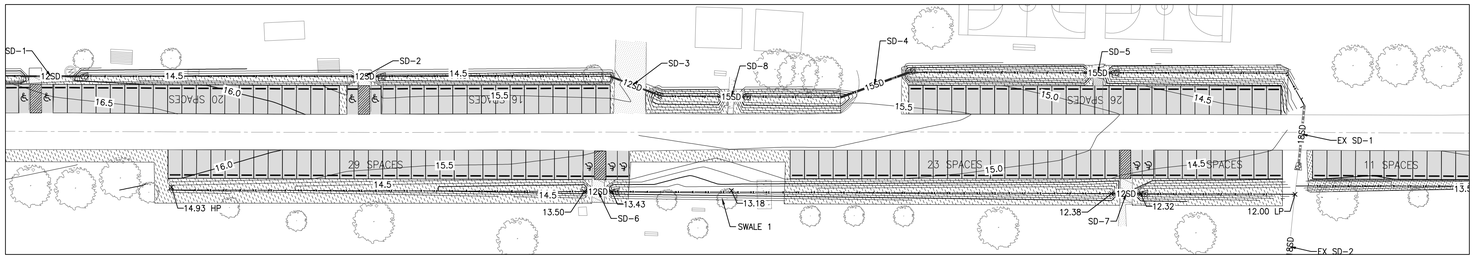
PEN6-MAGENTA 207 INCHES (1.0mm)
PEN7-WHITE 209 INCHES (1.0mm)

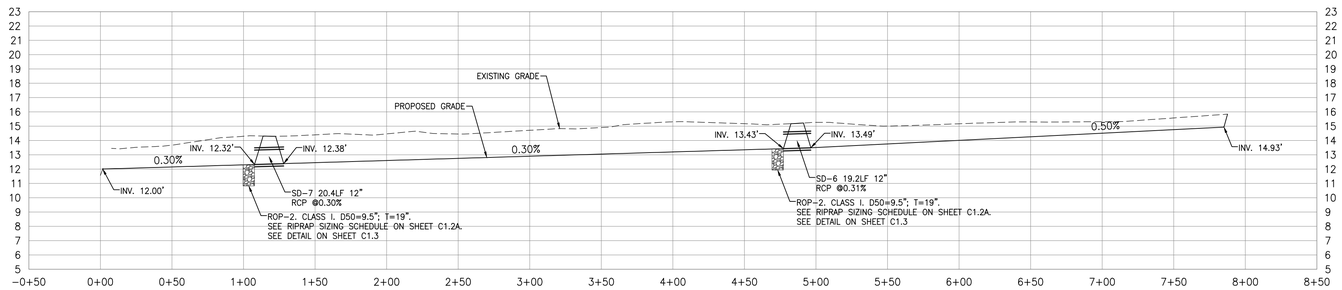


PLAN VIEW - SWALE 1

MARYLAND STATE PLANE NAD 83/2011
VERTICAL DATUM NAVD 88

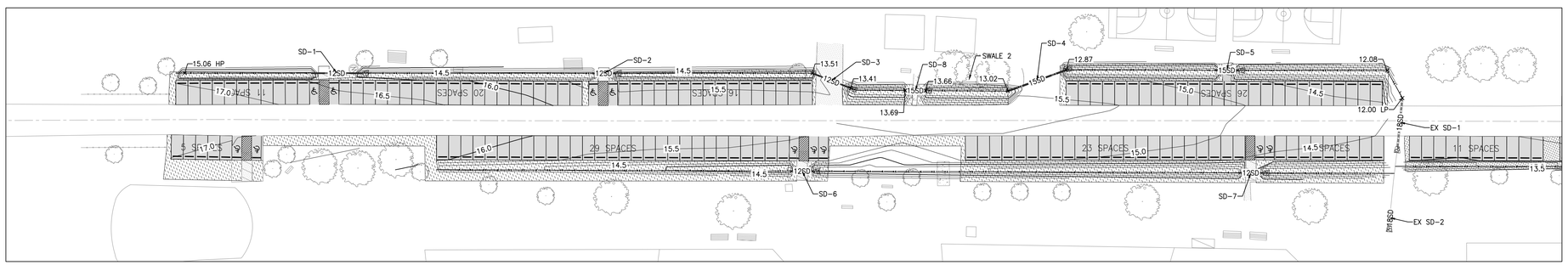
VERTICAL SCALE: 1" = 5'

HORIZONTAL SCALE: 1" = 50'



PROFILE OF SWALE 1

VERTICAL SCALE: 1"=5'
HORIZONTAL SCALE: 1"=50'

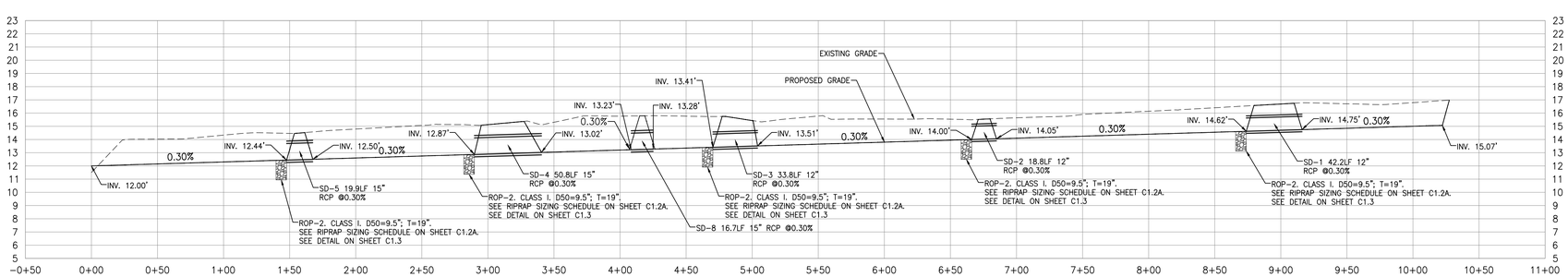


PLAN VIEW - SWALE 2

MARYLAND STATE PLANE NAD 83/2011
VERTICAL DATUM NAVD 88

VERTICAL SCALE: 1" = 5'

HORIZONTAL SCALE: 1" = 50'



PROFILE OF SWALE 2

VERTICAL SCALE: 1"=5'
HORIZONTAL SCALE: 1"=50'

PRINTS ISSUED FOR:
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ARCHITECTS & ENGINEERS
SALISBURY • BALTIMORE • SEAFORD
206 WEST MAIN STREET
SALISBURY, MARYLAND 21801
410-742-3115, FAX 410-548-5790
www.gmbnet.com

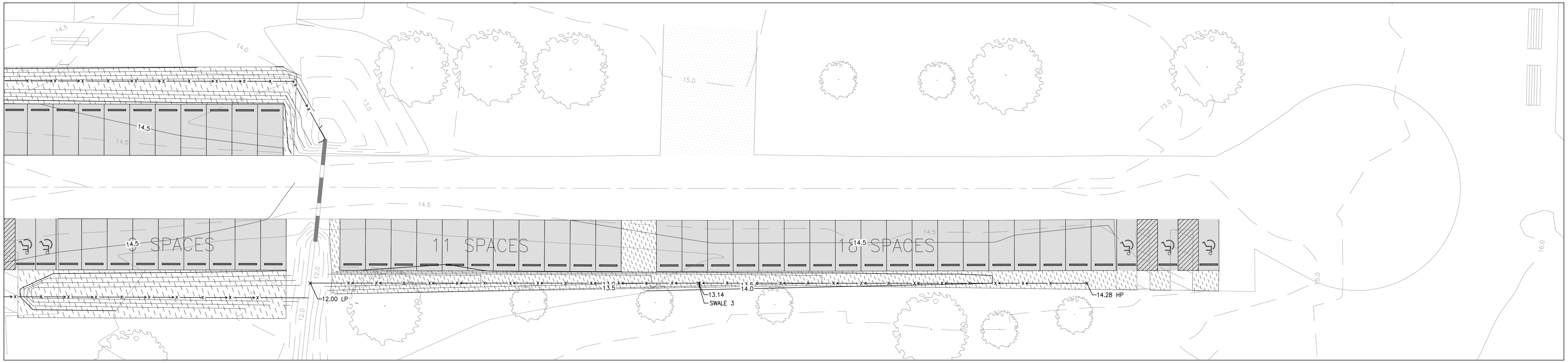
JOHN WALTER SMITH PARK
SNOW HILL, MARYLAND

STATE OF MARYLAND
CHRISTOPHER J. PETERS
No. 56492
PROFESSIONAL ENGINEER
10/3/2026

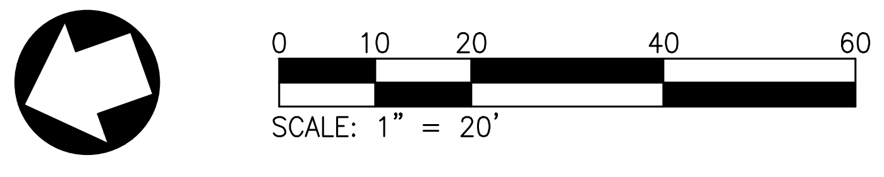
STORMWATER MANAGEMENT CONSTRUCTION PLAN

SCALE	: AS NOTED
DESIGN BY	: JRS
DRAWN BY	: RFT
CHECKED BY	: CJP
GMB FILE	: 250038
DATE	: OCT 2025

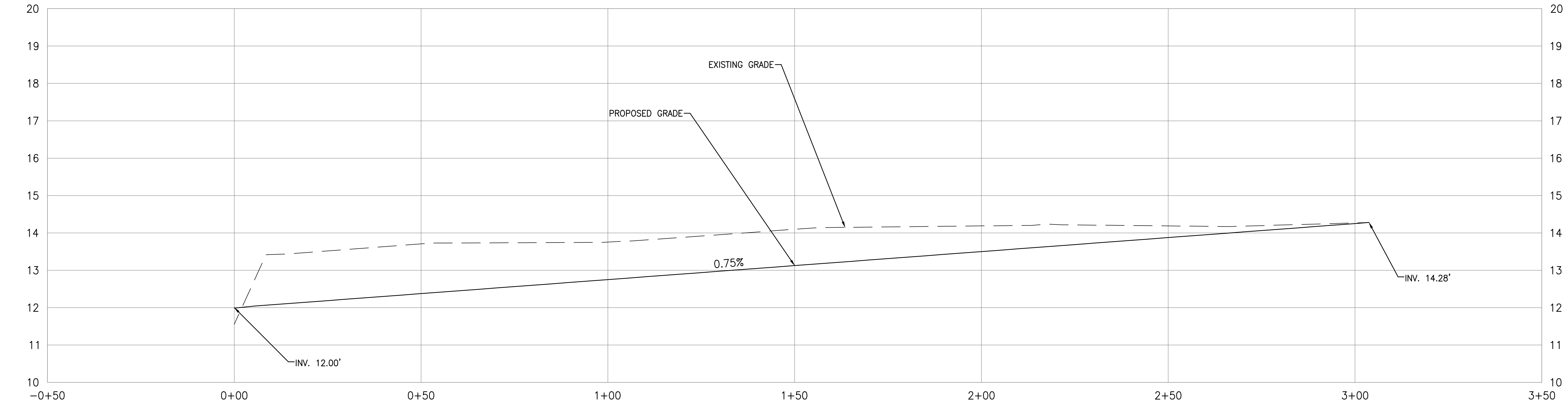
SHEET NO.
C2.1



PLAN VIEW - SWALE 3



MARYLAND STATE PLANE NAD 83/2011
VERTICAL DATUM NAVD 88



PROFILE OF SWALE 3

VERTICAL SCALE: 1"=2'
HORIZONTAL SCALE: 1"=20'

OPERATIONS AND MAINTENANCE: BMP

1. BMP OPERATION AND MAINTENANCE PLANS

I. THE FOLLOWING ITEMS SHOULD BE ADDRESSED TO ENSURE PROPER MAINTENANCE AND LONG−TERM PERFORMANCE OF THE SWALES:

1. REGULAR MOWING (AT LEAST BI−ANNUALLY) IS CRITICAL TO REDUCE COMPETITION FROM WEEDS AND IRRIGATION MAY BE NEEDED

DURING DRY WEATHER TO ESTABLISH VEGETATION. SPARSELY VEGETATED AREAS NEED TO BE RE−SEEDED TO MAINTAIN DENSE COVERAGE.

2. IF WATER DOES NOT DRAIN WITHIN 48 HOURS, THE BOTTOM SOIL SHOULD BE TILLED AND REVEGETATED.

3. INSPECTIONS SHOULD BE PERFORMED ONCE A YEAR TO ASSESS SLOPE INTEGRITY, VEGETATIVE HEALTH, SOUL STABILITY, COMPACTION, EROSION, PONDING, AND SEDIMENTATION.

PERIODIC REMOVAL OF SEDIMENT, LITTER, OR OBSTRUCTIONS SHOULD BE DONE AS NEEDED. ERODED SIDE SLOPES AND THE SWALE BOTTOM SHOULD BE REPAIRED AND STABILIZED WHERE NEEDED.

2. BMP INSPECTION SCHEDULE

I. REGULAR INSPECTIONS SHALL BE MADE DURING THE FOLLOWING STAGES OF CONSTRUCTION:

1. DURING PLACEMENT AND BACKFILL OF UNDERDRAINS AND THE INSTALLATION OF DIAPHRAGMS, FOREBAYS, CHECK DAMS, OR WEIRS.

2. UPON COMPLETION OF FINAL GRADING AND ESTABLISHMENT OF PERMANENT STABILIZATION.

SWALE CROSSINGS PIPE SCHEDULE

PIPE NAME	SIZE	LENGTH	SLOPE	MATERIAL	DS INVERT	US INVERT
EX SD−1	18"	40'	−0.13%		11.50'	11.55'
EX SD−2	18"	13'	0.00%		11.59'	11.59'
SD−1	12"	42'	0.30%	RCP	14.75'	14.62'
SD−2	12"	19'	0.30%	RCP	14.05'	14.00'
SD−3	12"	34'	0.30%	RCP	13.51'	13.41'
SD−4	15"	51'	0.30%	RCP	13.02'	12.87'
SD−5	15"	20'	0.30%	RCP	12.50'	12.44'
SD−6	12"	19'	0.31%	RCP	13.49'	13.43'
SD−7	12"	20'	0.30%	RCP	12.38'	12.32'
SD−8	15"	17'	0.30%	RCP	13.28'	13.23'

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www.gmbnet.com

JOHN WALTER SMITH PARK
SNOW HILL, MARYLAND

CHRISTOPHER J. PFEIFER
56492
02/13/2026

STORMWATER
MANAGEMENT
CONSTRUCTION
PLAN

SCALE	: AS NOTED
DESIGN BY	: JRS
DRAWN BY	: RFT
CHECKED BY	: CJP
GMB FILE	: 250038
DATE	: OCT 2025

SHEET NO.
C2.2

G:\Projects\2025\250038 John Water Smith Park Site & Civil ENG\Drawings\Working Sets\Engineering Plans\C2.2 Stormwater Management Construction Plan.dwg, 2/2/2026 2:26 PM, Richard F. Thomas

PLOT CODE

PEN1−RED	PEN2−YELLOW	PEN3−GREEN	PEN4−CYAN	PEN5−BLUE	PEN6−MAGENTA	PEN7−WHITE
.006 INCHES (.15mm)	.007 INCHES (.18mm)	.010 INCHES (.25mm)	.014 INCHES (.35mm)	.020 INCHES (.50mm)	.027 INCHES (.70mm)	.039 INCHES (1.00mm)

CONSTRUCTION NOTES

1. INSTALL ASPHALT PAVEMENT. SEE PAVEMENT SECTION DETAIL ON SHEET C9.1.
2. PROVIDE SMOOTH TRANSITION OF LINE AND GRADE TO EXISTING PAVEMENT. SEE PAVEMENT TIE-IN DETAIL ON SHEET C9.1.
3. INSTALL CONCRETE PARKING WHEEL STOP(TYP.). SEE DETAIL ON SHEET C9.1.
4. INSTALL ADA COMPLIANT PARKING SPACE. SEE DETAIL ON SHEET C9.1.
5. PARKING SPOT (10'x20'), TYPICAL. SEE DETAIL ON SHEET C9.1.
6. DRAINAGE SWALE. SEE DETAIL ON SHEET C9.1.
7. PERMANENT SEEDING. SEE SEEDING NOTES ON SHEET C1.2.
8. PROPOSED SWALE CULVERT.
9. PAVE/CONCRETE INTO EXISTING PAVED PATH. CONTRACTOR TO MATCH EXISTING MATERIAL OF EXISTING PATH.

LEGEND

EXISTING

- PROPERTY LINE/RIGHT OF WAY
- BUILDING — EXISTING BUILDING
- MILL PAVEMENT AND BASE
- CURBING & EDGE OF PAVEMENT
- 8"SS — SEWER MAIN
- W — WATER MAIN
- FM — FORCE MAIN
- OHW — OVERHEAD WIRE (ELECTRIC)
- E — ELECTRIC LINE
- G — GAS LINE

PROPOSED

- FULL DEPTH PAVEMENT
- X — SWALE
- PERMANENT SEEDING

0 75 150 300 450

SCALE: 1" = 150'

MARYLAND STATE PLANE NAD 83/2011
VERTICAL DATUM NAVD 88

PRINTS ISSUED FOR:
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JOHN WALTER SMITH PARK
SNOW HILL, MARYLAND

STATE OF MARYLAND
CHRISTOPHER J. PETERS
No. 54492
PROFESSIONAL ENGINEER
10/13/2026

OVERALL SITE AND GRADING PLAN

SCALE	: 1" = 150'
DESIGN BY	: JRS
DRAWN BY	: RFT
CHECKED BY	: CJP
GMB FILE	: 250038
DATE	: OCT 2025

SHEET NO.
C8.0

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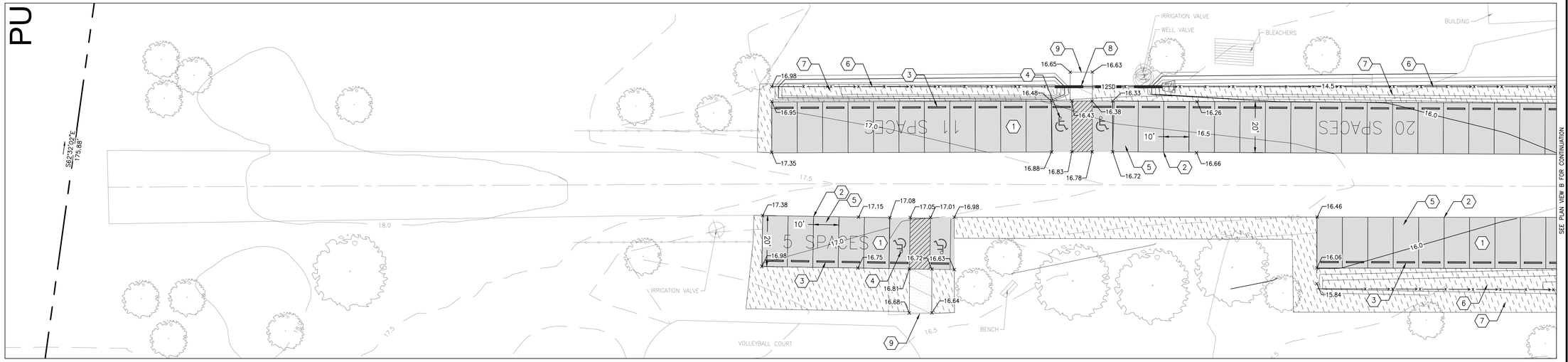
PLOT CODE
PEN1-RED 200 INCHES (.5mm)
PEN2-YELLOW 200 INCHES (.5mm)
PEN3-GREEN 200 INCHES (.5mm)
PEN4-CYAN 200 INCHES (.5mm)
PEN5-BLUE 200 INCHES (.5mm)
PEN6-MAGENTA 200 INCHES (.5mm)
PEN7-WHITE 200 INCHES (.5mm)



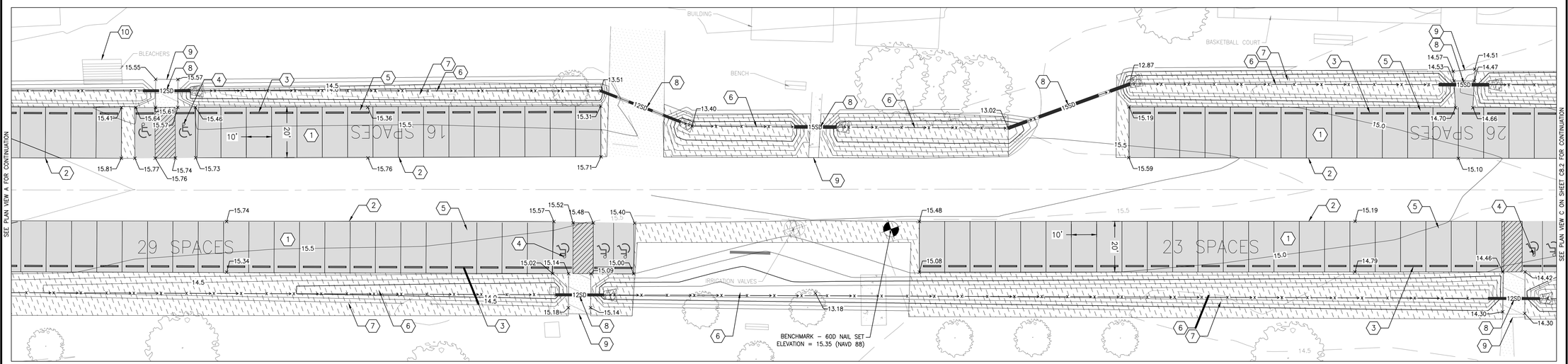
PLAN VIEW A

CONSTRUCTION NOTES

1. INSTALL ASPHALT PAVEMENT. SEE PAVEMENT SECTION DETAIL ON SHEET C9.1.
2. PROVIDE SMOOTH TRANSITION OF LINE AND GRADE TO EXISTING PAVEMENT. SEE PAVEMENT TIE-IN DETAIL ON SHEET C9.1.
3. INSTALL CONCRETE PARKING WHEEL STOP(TYP.). SEE DETAIL ON SHEET C9.1.
4. INSTALL ADA COMPLIANT PARKING SPACE. SEE DETAIL ON SHEET C9.1.
5. PARKING SPOT (10'x20'), TYPICAL. SEE DETAIL ON SHEET C9.1.
6. DRAINAGE SWALE. SEE DETAIL ON SHEET C9.1.
7. PERMANENT SEEDING. SEE SEEDING NOTES ON SHEET C1.2.
8. PROPOSED SWALE CULVERT.
9. PAVE/CONCRETE INTO EXISTING PAVED PATH. CONTRACTOR TO MATCH EXISTING MATERIAL OF EXISTING PATH.
10. RELOCATE BLEACHER

NOTE:

CONTRACTOR TO REPAIR ANY WALKWAY OR PAVEMENT DAMAGED DURING CONSTRUCTION OF SWALE.



PLAN VIEW B

MARYLAND STATE PLANE NAD 83/2011
VERTICAL DATUM NAVD 88

0 10 20 40 60
SCALE: 1" = 20'

PRINTS ISSUED FOR:
REVIEW

NO.	REVISIONS	DATE

GEORGE, MILES & BUHR, LLC
ARCHITECTS & ENGINEERS
SALISBURY • BALTIMORE • SEAFORD
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SALISBURY, MARYLAND 21801
410-742-3115, FAX 410-548-5790
www.gmbnet.com

JOHN WALTER SMITH PARK
SNOW HILL, MARYLAND

STATE OF MARYLAND
CHRISTOPHER J. PETERS
No. 54492
PROFESSIONAL ENGINEER
10/13/2026

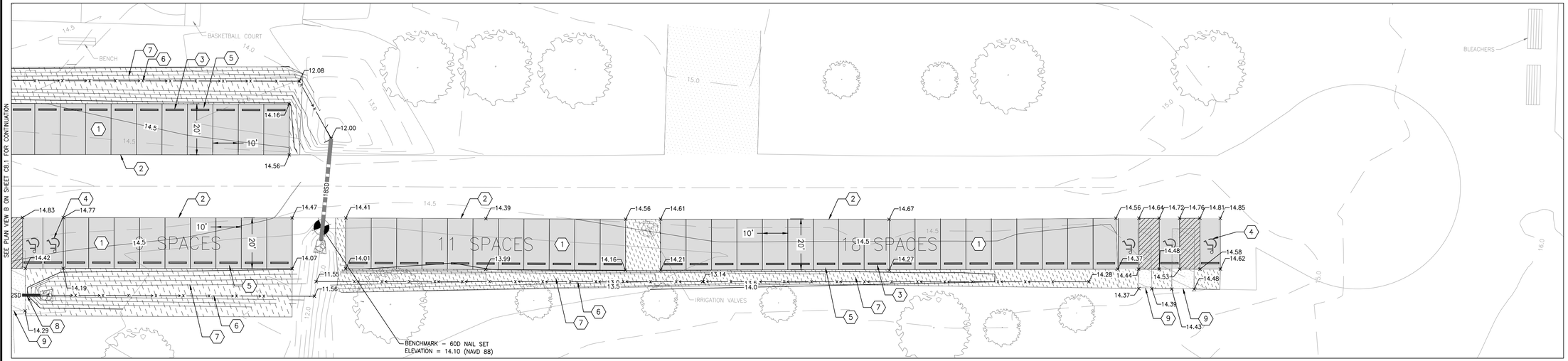
SITE AND GRADING PLAN

SCALE	: 1" = 20'
DESIGN BY	: JRS
DRAWN BY	: RFT
CHECKED BY	: CJP
GMB FILE	: 250038
DATE	: OCT 2025

SHEET NO.
C8.1

G:\Projects\2025\250038 John Water Smith Park Site & Civil ENG\Drawings\Working Sets\Engineering Plans\C8.1 Site and Grading Plan.dwg, 2/2/2026 2:31 PM, Richard F. Thomas

PLOT CODE
PEN4-CYAN 014 INCHES (.25mm)
PEN3-BLUE 020 INCHES (.50mm)
PEN2-GREEN 030 INCHES (.75mm)
PEN1-YELLOW 007 INCHES (.18mm)
PEN1-RED 006 INCHES (.15mm)
PEN2-MAGENTA 027 INCHES (.70mm)
PEN3-WHITE 039 INCHES (1.00mm)



PLAN VIEW C

CONSTRUCTION NOTES

1. INSTALL ASPHALT PAVEMENT. SEE PAVEMENT SECTION DETAIL ON SHEET C9.1.
2. PROVIDE SMOOTH TRANSITION OF LINE AND GRADE TO EXISTING PAVEMENT. SEE PAVEMENT TIE-IN DETAIL ON SHEET C9.1.
3. INSTALL CONCRETE PARKING WHEEL STOP (TYP.). SEE DETAIL ON SHEET C9.1.
4. INSTALL ADA COMPLIANT PARKING SPACE. SEE DETAIL ON SHEET C9.1.
5. PARKING SPOT (10'x20'), TYPICAL. SEE DETAIL ON SHEET C9.1.
6. DRAINAGE SWALE. SEE DETAIL ON SHEET C9.1.
7. PERMANENT SEEDING. SEE SEEDING NOTES ON SHEET C1.2.
8. PROPOSED SWALE CULVERT.
9. PAVE/CONCRETE INTO EXISTING PAVED PATH. CONTRACTOR TO MATCH EXISTING MATERIAL OF EXISTING PATH.

NOTE:

CONTRACTOR TO REPAIR ANY WALKWAY OR PAVEMENT DAMAGED DURING CONSTRUCTION OF SWALE.

MARYLAND STATE PLANE NAD 83/2011
VERTICAL DATUM NAVD 88

0 10 20 40 60
SCALE: 1" = 20'

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REVIEW

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SALISBURY, MARYLAND 21801
410-742-3115, FAX 410-548-5790
www.gmbnet.com

JOHN WALTER SMITH PARK
SNOW HILL, MARYLAND

STATE OF MARYLAND
CHRISTOPHER J. PETERS
No. 54492
PROFESSIONAL ENGINEER
02/13/2026

SITE AND GRADING PLAN

SCALE	: 1" = 20'
DESIGN BY	: JRS
DRAWN BY	: RFT
CHECKED BY	: CJP
GMB FILE	: 250038
DATE	: OCT 2025

SHEET NO.
C8.2

G:\Projects\2025\250038 John Walter Smith Park Site & Civil ENG\Drawings\Working Sets\Engineering Plans\C8.2 Site and Grading Plan.dwg, 2/2/2026 3:34 PM, Richard F. Thomas
PLOT CODE
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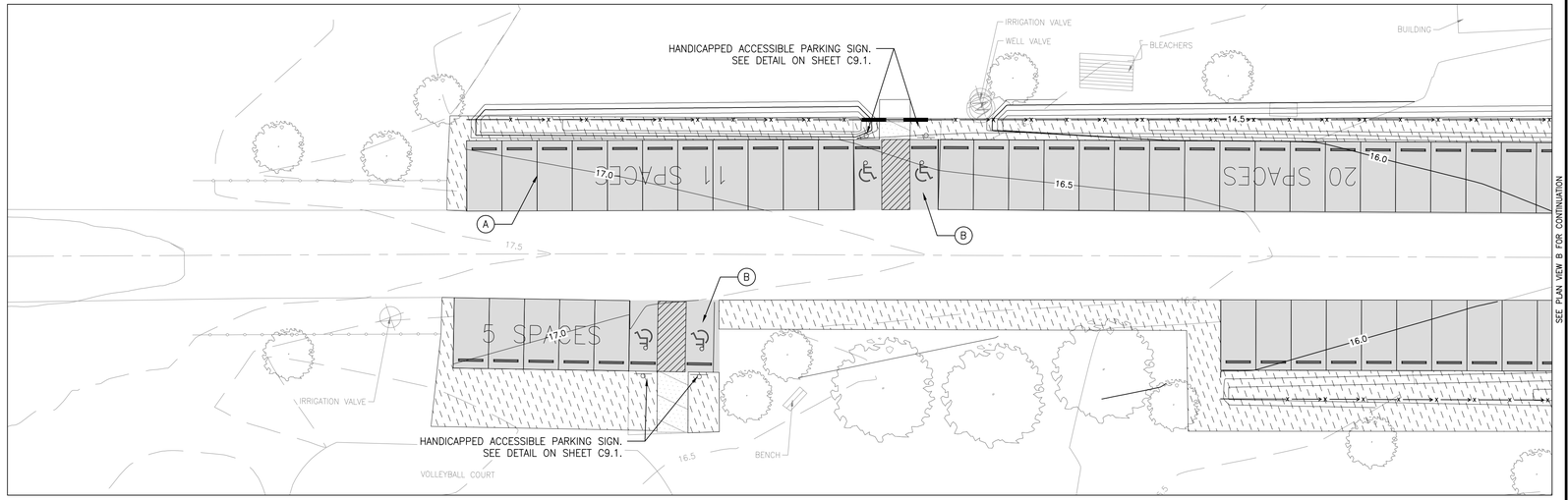
PEN2-YELLOW 207 INCHES (.5mm)
PEN3-GREEN 209 INCHES (.5mm)
PEN4-CYAN 214 INCHES (.5mm)
PEN5-BLUE 203 INCHES (.5mm)
PEN6-MAGENTA 207 INCHES (.5mm)
PEN7-WHITE 209 INCHES (.5mm)

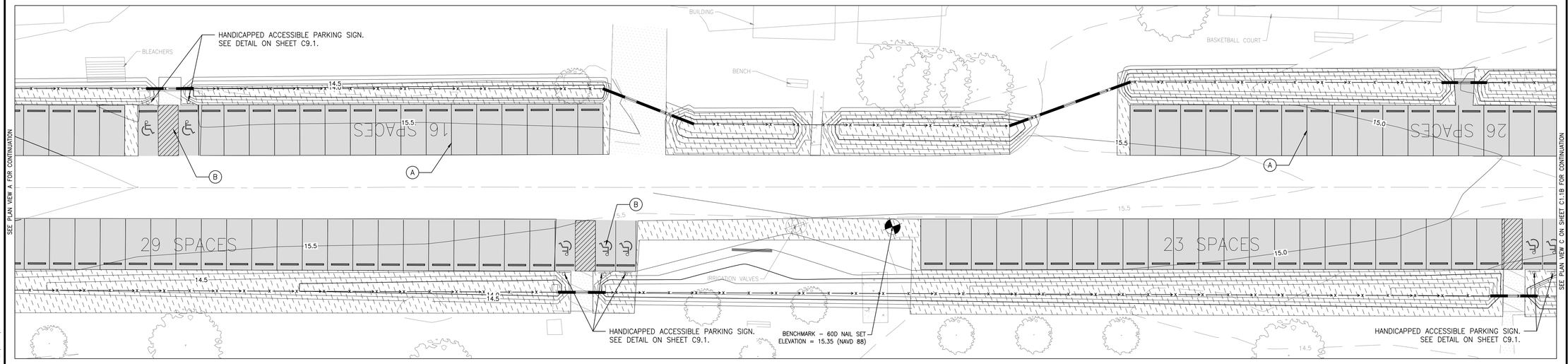
PAVEMENT MARKINGS

(A) PARKING SPACE STRIPE (TYP.) SEE SHEET C9.1 FOR DETAILS

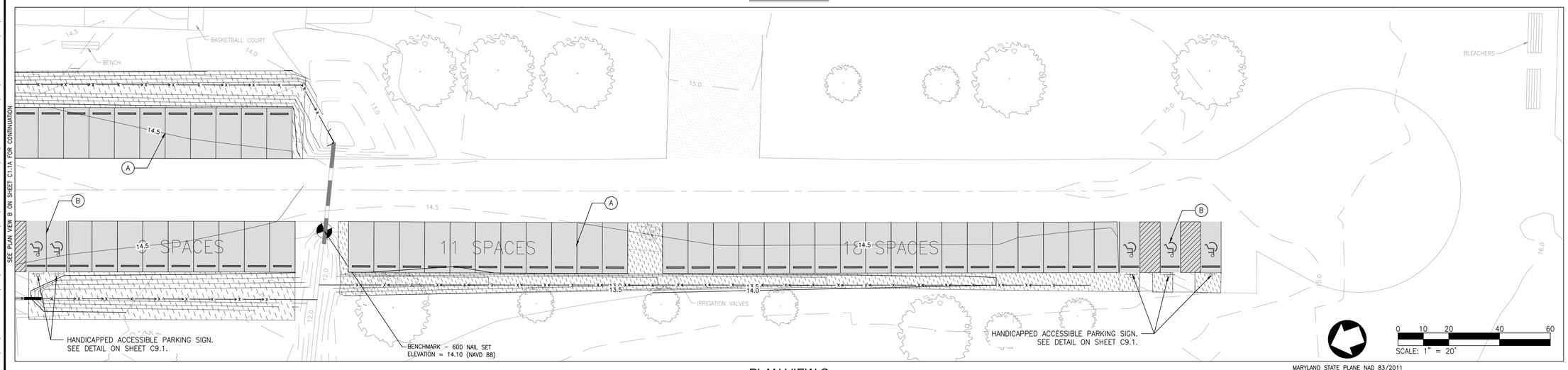
(B) HANDICAP PARKING (TYP.) SEE SHEET C9.1 FOR DETAILS



PLAN VIEW A



PLAN VIEW B



PLAN VIEW C

0 10 20 40 60
SCALE: 1" = 20'

MARYLAND STATE PLANE NAD 83/2011
VERTICAL DATUM NAVD 88

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SALISBURY, MARYLAND 21801
410-742-3115, FAX 410-548-5790
www.gmbnet.com

JOHN WALTER SMITH PARK
SNOW HILL, MARYLAND

STATE OF MARYLAND
CHRISTOPHER J. PETERS
No. 56492
PROFESSIONAL ENGINEER
10/13/2026

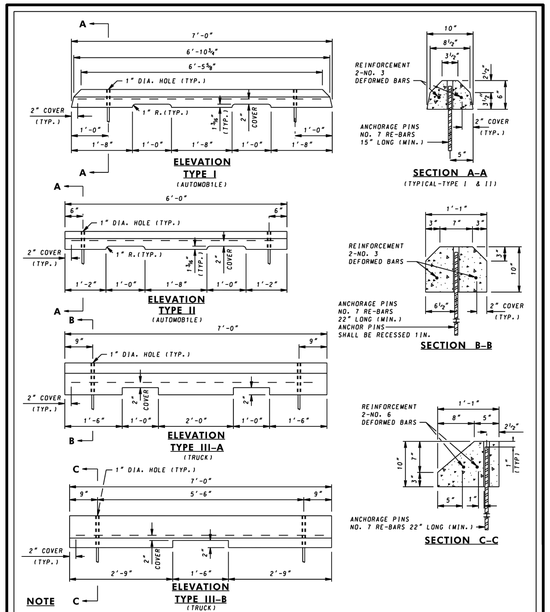
STRIPING AND SIGNAGE PLAN

SCALE	: 1" = 20'
DESIGN BY	: JRS
DRAWN BY	: RFT
CHECKED BY	: CJP
GMB FILE	: 250038
DATE	: OCT 2025

SHEET NO.
C8.3

PLOT CODE
PEN1-RED 205 INCHES (.25mm)
PEN1-YELLOW 207 INCHES (.25mm)
PEN1-GREEN 209 INCHES (.25mm)
PEN1-CYAN 214 INCHES (.25mm)
PEN1-BLUE 220 INCHES (.50mm)
PEN1-MAGENTA 227 INCHES (.25mm)
PEN1-WHITE 239 INCHES (.50mm)

G:\Projects\2025\250038 John Walter Smith Park Site & Civil ENG\Drawings\Working Sets\Engineering Plans\C8.3 Striping and Signage Plan.dwg, 2/2/2026 2:39 PM, Richard F. Thomas



NOTE

1. PRECAST CONCRETE WHEEL STOPS SHALL BE LOCATED AS SHOWN ON THE PLANS. THEN SECURED IN PLACE WITH TWO (2) NO. 7 REINFORCEMENT BARS PER WHEEL STOP.
2. COST OF THE REINFORCEMENT BARS WILL BE INCIDENTAL TO THE CONTRACT UNIT PRICE BID PER EACH FOR THE WHEEL STOPS.

SPECIFICATION	CATEGORY CODE ITEMS
608	

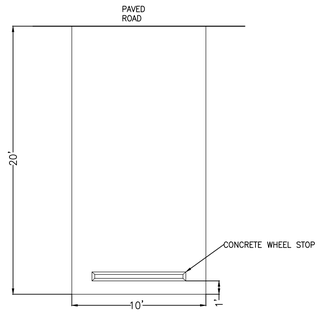
APPROVED — DIRECTOR - OFFICE OF HIGHWAY DEVELOPMENT

APPROVAL • SHA REVISIONS		APPROVAL • FEDERAL HIGHWAY ADMINISTRATION	
APPROVAL	10-26-82	APPROVAL	5-17-83
REVISED	6-20-07	REVISED	8-1-84
REVISED		REVISED	
REVISED		REVISED	

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

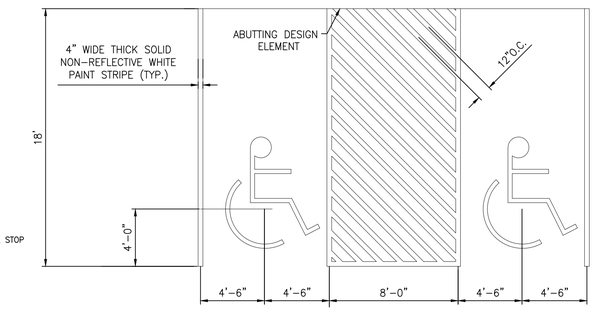
PRECAST CONCRETE WHEEL STOPS

STANDARD NO. MD 634.04



NOTE:
PARKING STRIPING SHALL BE 5" WIDE SOLID WHITE THERMO STRIPES

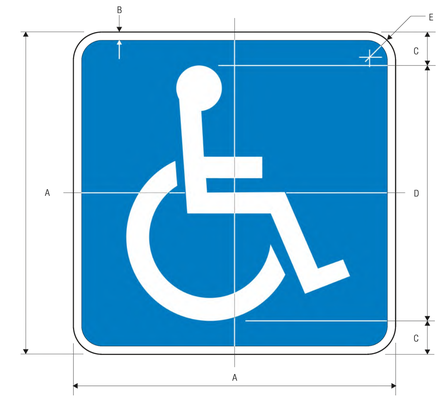
PARKING SPACE DETAIL
NOT TO SCALE



NOTES

1. STRIPING SHOULD END AT FACE OF CURB
2. STRIPING MATERIAL AND METHODS OF CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE LATEST MUTCD EDITION AND SHA STDS. & SPECS.
3. STRIPING MUST COMPLY WITH ADA REQUIREMENTS.

ADA ACCESSIBLE PARKING SPACE
NO SCALE



D9-6

HANDICAPPED ACCESSIBLE

NOTES

1. SIGN MUST BE INSTALLED SUCH THAT THE BOTTOM OF THE SIGN IS, AT MINIMUM, 7-FEET FROM GRADE.

SHA "FOR SYMBOL DESIGN REFER TO THE APPENDIX-GRID SECTION FROM FHWA'S STANDARD HIGHWAY SIGNS BOOK -APPENDIX SECTION"

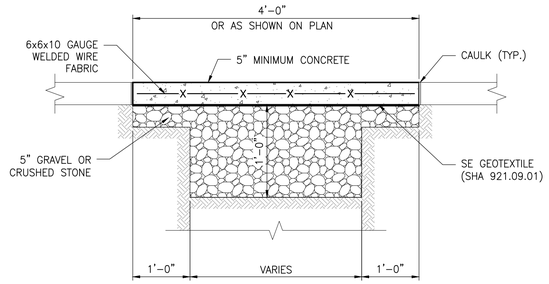
Smaller size panels may be used as applicable within terminal areas

A	B	C	D	E
18	.5	1.5	15	1.5
24	.5	2	20	1.5
30	.75	2.5	25	1.875

SHA REFERENCES
MdMUTCD SECTION - 2D.45, 2E.51, 2E.52

COLORS: SYMBOL WHITE (RETROREFLECTIVE)
BACKGROUND BLUE (RETROREFLECTIVE)

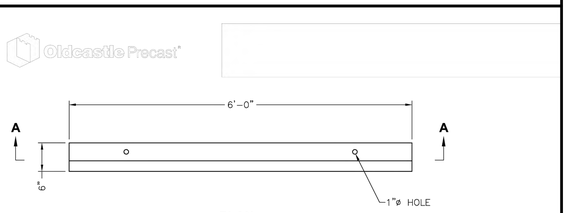
HANDICAPPED ACCESSIBLE PARKING SIGN DETAIL
NO SCALE



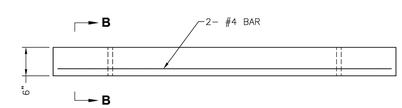
NOTES

1. THE TOP ONE (1'-0") FOOT OF THE TRENCH SHALL BE FILLED WITH CRUSHED STONE OR GRAVEL.
2. SAW CUT EXISTING SIDEWALK SO AS TO PROVIDE AN EVEN JOINT.
3. IF EXISTING SIDEWALK TO BE REMOVED HAS AN EXPANSION JOINT, PROVIDE EXPANSION JOINT MATERIAL IN SAME LOCATION.

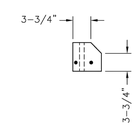
CONCRETE SIDEWALK REPAIR DETAIL
NO SCALE



PLAN



SECTION A-A

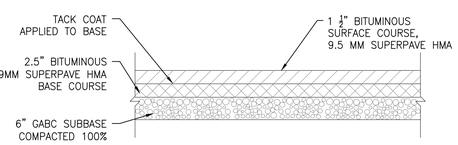


SECTION A-A

GENERAL NOTES:

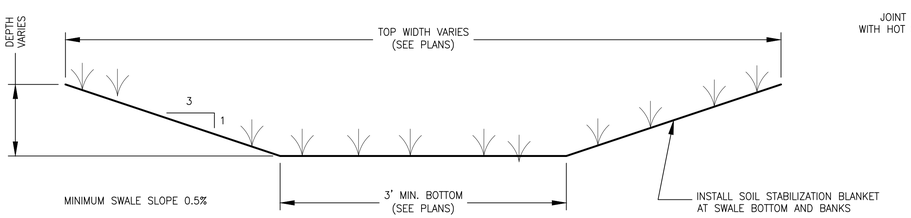
1. Concrete: 28 Day Compressive Strength f'c = 4,000 psi
2. Steel Reinforcement: ASTM A-615, Grade 60.

HANDICAPPED ACCESSIBLE PARKING SIGN DETAIL
NO SCALE

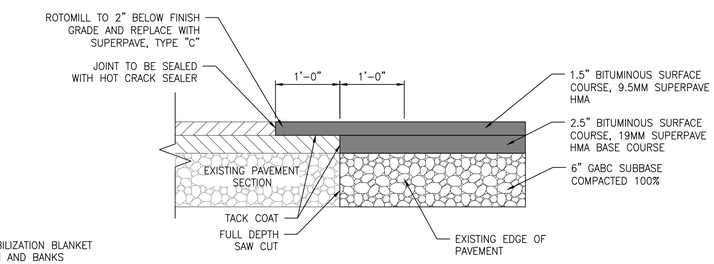


NOTE:
REFERENCE GEOTECHNICAL REPORT FOR RECOMMENDATION

PAVEMENT DETAIL: PARKING AREA/ LIGHT DUTY
NO SCALE



SWALE DETAIL
NO SCALE



TYPICAL PAVEMENT TIE-IN DETAIL
NO SCALE

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www.gmbnet.com

JOHN WALTER SMITH PARK
SNOW HILL, MARYLAND

STATE OF MARYLAND — CHRISTOPHER J. PETELLE — 56492 — PROFESSIONAL ENGINEER — 10/23/2025

SITE DETAILS

SCALE	: 1" = 1'
DESIGN BY	: JRS
DRAWN BY	: RFT
CHECKED BY	: CJP
GMB FILE	: 250038
DATE	: OCT 2025

SHEET NO. C9.1

G:\Projects\2025\250038 John Water Smith Park Site & Civil ENG\Drawings\Working Sets\Engineering Plans\C9.1 Site Details.dwg, 2/2/2026 2:39 PM, Richard F. Thomas
PLOT CODE PEN1-RED 206 INCHES (1:25mm) PEN2-YELLOW 207 INCHES (1:50mm) PEN3-GREEN 210 INCHES (1:75mm) PEN4-CYAN 211 INCHES (1:100mm) PEN5-BLUE 212 INCHES (1:200mm) PEN6-MAGENTA 213 INCHES (1:250mm) PEN7-WHITE 215 INCHES (1:300mm)

LEGEND

EXISTING

- PROPERTY LINE/RIGHT OF WAY
- BUILDING — EXISTING BUILDING
- MILL PAVEMENT AND BASE
- CURBING & EDGE OF PAVEMENT
- 8"SS — SEWER MAIN
- W — WATER MAIN
- FM — FORCE MAIN
- OHW — OVERHEAD WIRE (ELECTRIC)
- E — ELECTRIC LINE
- G — GAS LINE

PROPOSED

- FULL DEPTH PAVEMENT
- X — SWALE

0 75 150 300 450

SCALE: 1" = 150'

MARYLAND STATE PLANE NAD 83/2011
VERTICAL DATUM NAVD 88

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JOHN WALTER SMITH PARK
SNOW HILL, MARYLAND

STATE OF MARYLAND
CHRISTOPHER J. AYRES
No. 56492
PROFESSIONAL ENGINEER
10/13/2026

OVERALL STATE FIRE MARSHALL OFFICE SITE PLAN

SCALE	: 1" = 150'
DESIGN BY	: JRS
DRAWN BY	: RFT
CHECKED BY	: CJP
GMB FILE	: 250038
DATE	: OCT 2025

SHEET NO.
F2

G:\Projects\2025\250038 John Walter Smith Park Site & Civil ENG\Drawings\Working Set\Engineering Plans\F2 Overall State Fire Marshall Office Site Plan.dwg, 2/12/2026 2:40 PM, Richard F. Thomas
PLOT CODE
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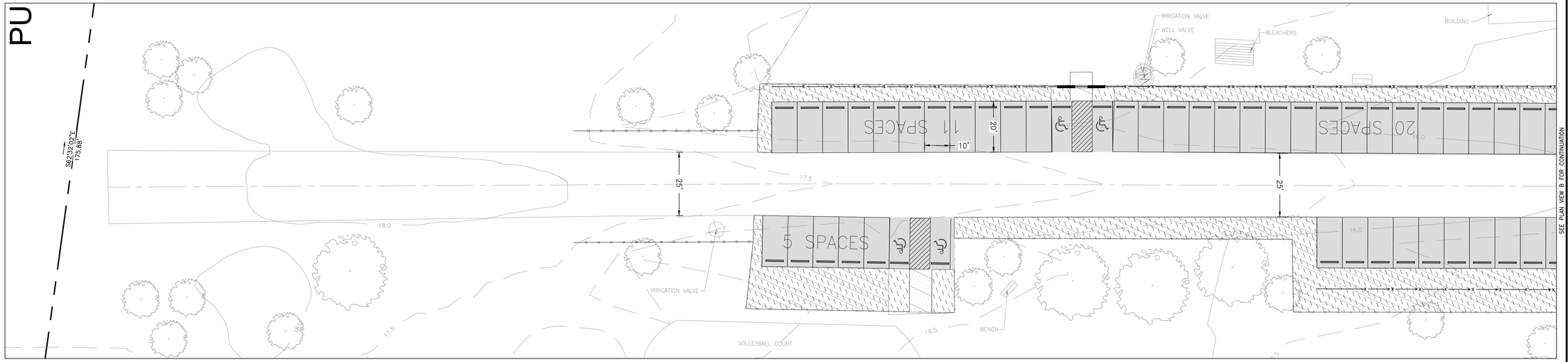
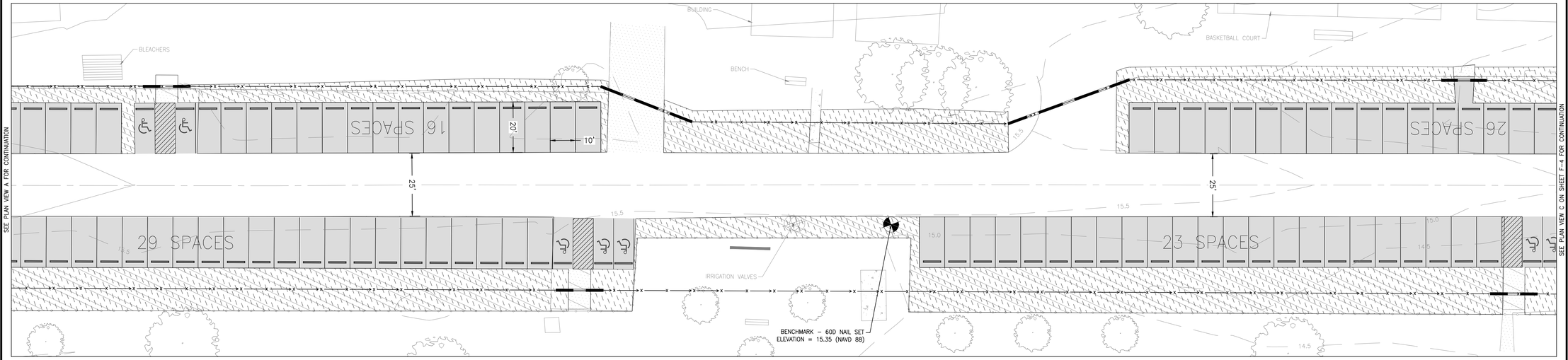
PEN2-YELLOW 200 INCHES (1.0mm)
PEN3-GREEN 200 INCHES (1.0mm)
PEN4-CYAN 214 INCHES (1.0mm)
PEN5-BLUE 200 INCHES (1.0mm)
PEN6-MAGENTA 207 INCHES (1.0mm)
PEN7-WHITE 209 INCHES (1.0mm)



PLAN VIEW A



PLAN VIEW B

MARYLAND STATE PLANE NAD 83/2011
VERTICAL DATUM NAVD 88

0 10 20 40 60
SCALE: 1" = 20'

PRINTS ISSUED FOR:
REVIEW

NO.	REVISIONS	DATE

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www.gmbnet.com

JOHN WALTER SMITH PARK
SNOW HILL, MARYLAND

STATE OF MARYLAND
CHRISTOPHER J. PERRY
No. 36492
PROFESSIONAL ENGINEER
10/13/2026

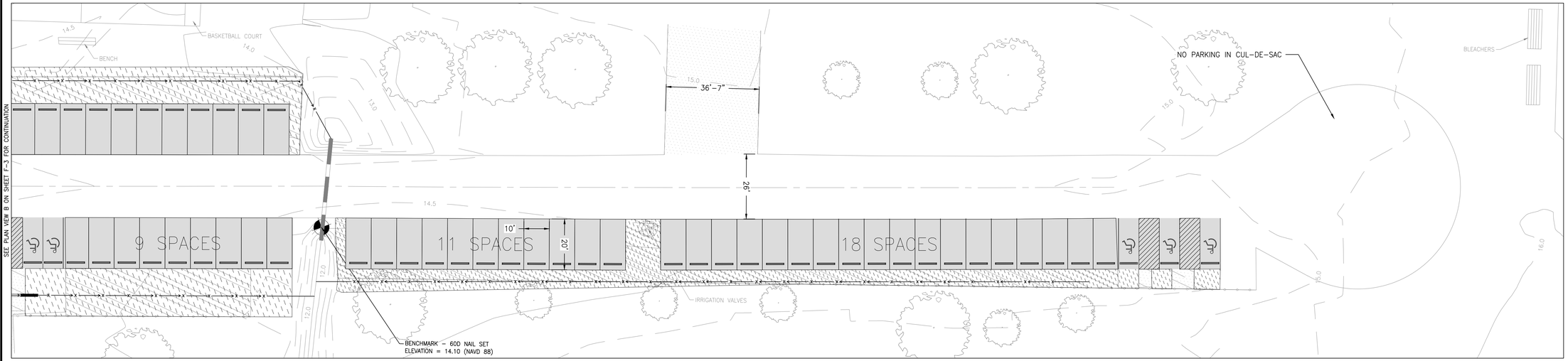
STATE FIRE MARSHALL OFFICE SITE PLAN

SCALE	: 1" = 20'
DESIGN BY	: JRS
DRAWN BY	: RFT
CHECKED BY	: CJP
GMB FILE	: 250038
DATE	: OCT 2025

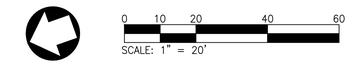
SHEET NO.
F3

PLOT CODE
PEN1-RED 006 INCHES (.15mm)
PEN2-YELLOW 007 INCHES (.18mm)
PEN3-GREEN 010 INCHES (.25mm)
PEN4-CYAN 014 INCHES (.35mm)
PEN5-BLUE 020 INCHES (.50mm)
PEN6-MAGENTA 027 INCHES (.70mm)
PEN7-WHITE 039 INCHES (1.00mm)

G:\Projects\2025\250038 John Water Smith Park Site & Civil ENG\Drawings\Working Sets\Engineering Plans\F3 State Fire Marshall Office Site Plan.dwg, 2/2/2026 2:44 PM, Richard F. Thomas



PLAN VIEW C



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VERTICAL DATUM NAVD 88

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JOHN WALTER SMITH PARK
SNOW HILL, MARYLAND

STATE OF MARYLAND
CHRISTOPHER JAMES PETITO
56492
PROFESSIONAL ENGINEER
10/23/2026

STATE FIRE
MARSHALL OFFICE
SITE PLAN

SCALE	: 1" = 20'
DESIGN BY	: JRS
DRAWN BY	: RFT
CHECKED BY	: CJP
GMB FILE	: 250038
DATE	: OCT 2025

SHEET NO.
F4

G:\Projects\2025\250038 John Walter Smith Park Site & Civil ENG\Drawings\Working Sets\Engineering Plans\F4 State Fire Marshall Office Site Plan.dwg, 2/2/2026 2:48 PM, Richard F. Thomas

PLOT CODE
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PEN2-YELLOW 007 INCHES (.18mm)
PEN3-GREEN 009 INCHES (.23mm)
PEN4-CYAN 014 INCHES (.35mm)
PEN5-BLUE 020 INCHES (.50mm)
PEN6-MAGENTA 027 INCHES (.70mm)
PEN7-WHITE 039 INCHES (1.00mm)