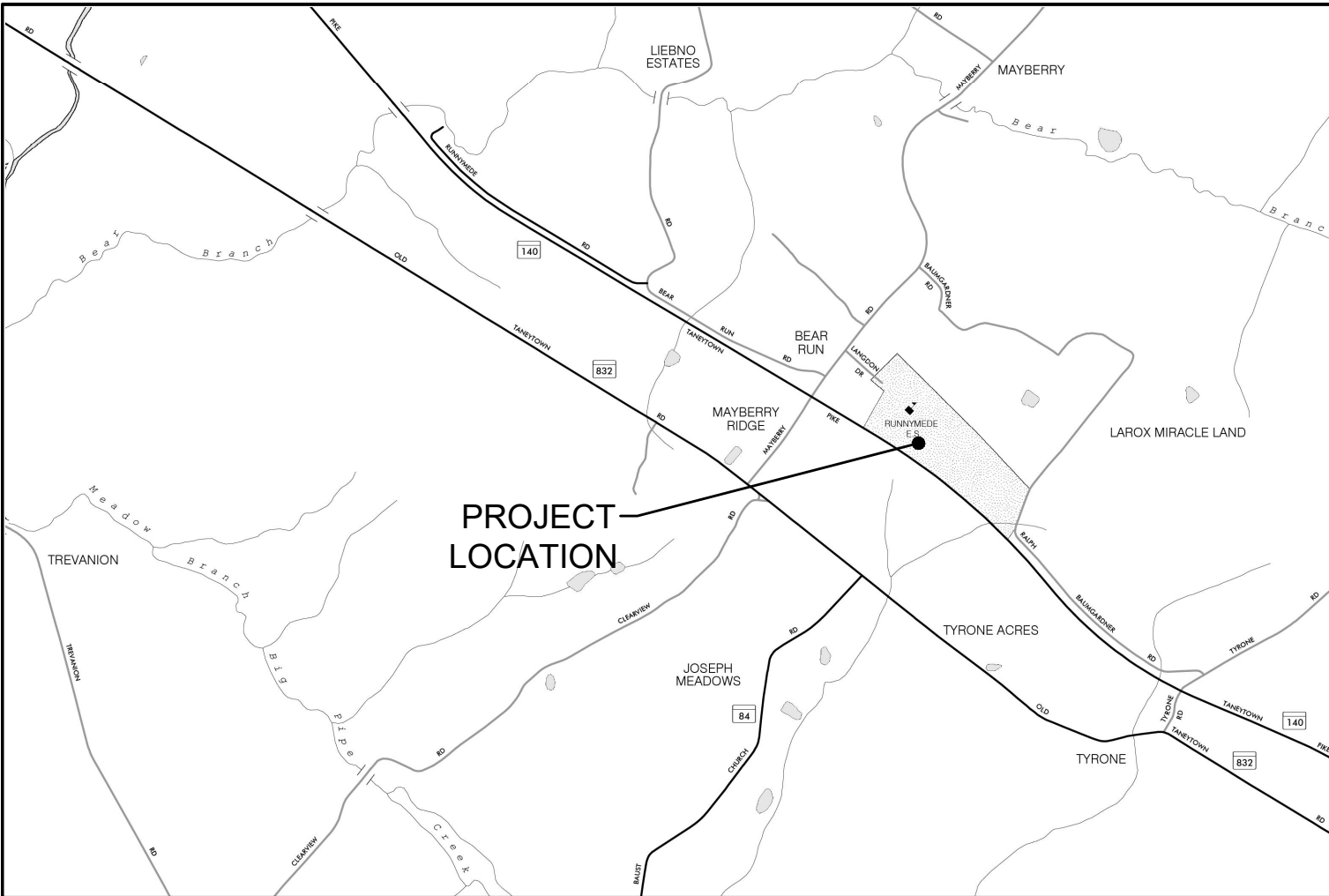


RUNNYMEDE ELEMENTARY SCHOOL

PRE-KINDERGARTEN ADDITION CARROLL COUNTY PUBLIC SCHOOLS



1 VICINITY MAP
SCALE: 1"=2000'



EXISTING FACULTY AND STAFF: 102
EXISTING STUDENTS: 625
PROPOSED FACULTY AND STAFF: 102
PROPOSED STUDENTS: 637

ZONING LEGEND

AGRICULTURE

GENERAL NOTES

- THE PROPERTY SHOWN HEREON IS OWNED BY BOARD OF EDUCATION OF CARROLL COUNTY, BY DEED DATED MAY 26, 1992, RECORDED AMONG THE LAND RECORDS OF CARROLL COUNTY IN LIBER 1368 FOLIO 261
- TOPOGRAPHY SHOWN HEREON IS FIELD RUN, DATED OCTOBER 2024 AND PREPARED BY DIETZ SURVEYING INC.
- LOCATION OF THE NEAREST WATER SUPPLY AVAILABLE FOR FIRE PROTECTION: EXISTING UNDERGROUND 30,000 GALLON SPRINKLER STORAGE SYSTEM LOCATED AT SOUTHEAST CORNER OF SCHOOL (PER 1996 STORMWATER AS-BUILTS).
- THE LOCATION OF EXISTING UTILITIES SHOWN HEREON ARE APPROXIMATE ONLY. CONTRACTOR SHALL VERIFY THE EXISTENCE, LOCATION, AND DEPTH OF ANY EXISTING UTILITIES AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 THREE WORKING DAYS PRIOR TO BEGINNING ANY WORK IN THE VICINITY OF EXISTING UTILITIES.
- THE CONTRACTOR SHALL NOTE THAT IN CASE OF A DISCREPANCY BETWEEN THE SCALED AND FIGURED DIMENSIONS SHOWN ON THESE PLANS, THE FIGURED DIMENSIONS SHALL GOVERN.
- ANY CHANGES TO THIS PLAN WILL REQUIRE AN AMENDED SITE DEVELOPMENT PLAN TO BE APPROVED BY THE CARROLL COUNTY PLANNING AND ZONING COMMISSION.
- THIS SITE PLAN SHALL BECOME VOID EIGHTEEN MONTHS AFTER THE DATE OF APPROVAL IF NO BUILDING PERMIT OR ZONING CERTIFICATE HAS BEEN ISSUED FOR THIS PROJECT, UNLESS AN EXTENSION OF THIS TIME LIMIT IS ISSUED BY THE DIRECTOR OF THE DEPARTMENT OF PLANNING AND LAND MANAGEMENT.
- OWNER: BOARD OF EDUCATION OF CARROLL COUNTY
125 N. COURT ST
WESTMINSTER, MD 21157

CARROLL COUNTY PUBLIC SCHOOLS
125 N. COURT ST
WESTMINSTER, MD 21157

10. ADDRESS: RUNNYMEDE ELEMENTARY SCHOOL
3000 LANGDON DR
WESTMINSTER, MD 21158

11. MAP GRID: 29 BLOCK: 15 PARCEL: 418

12. ELECTION DISTRICT: 1

13. ZONING: AGRICULTURE

14. TAX ACCOUNT ID: 019671

15. SITE AREA: 35.09 AC

16. DEVELOPED AREA: 6,913 SF

17. THE HORIZONTAL DATUM OF THIS SURVEY IS MARYLAND STATE PLANE (NAD83-2011), AS ESTABLISHED BY GPS OBSERVATION. THE COMBINED FACTOR IS 0.99997699.

18. THE VERTICAL DATUM OF THIS SURVEY IS NAVD 88

19. THE LOCATION OF UNDERGROUND UTILITIES IS BASED ON UTILITY LOCATING PROVIDED BY AI DATA DATED NOVEMBER 2024. ALL UTILITIES REPRESENT A PROFESSIONAL OPINION AND INTERPRETATION BASED ON RECORD INDICATIONS AND FIELD EVIDENCE INCLUDING THE USE OF ELECTRONIC UTILITY DETECTION EQUIPMENT. CONTRACTOR TO CONFIRM ALL UTILITY INFORMATION IN THE FIELD PRIOR TO EXCAVATION.

20. NRCS WEB SOIL SURVEY IDENTIFIES SOILS AT THIS SITE AS BRINKLOW CHANNERY LOAM (HSG "C"), GLENELG CHANNERY LOAM (HSG "C"), LEWISBERRY GRAVELLY SANDY LOAM (HSG "C"), & WHEATON-GLENELG COMPLEX (HSG "B").

21. THERE IS NO MAPPED FLOODPLAIN ASSOCIATED WITH THIS SITE PER FEMA FLOOD INSURANCE RATE MAP NUMBER 24013C0075D, DATED OCT. 2, 2015.

22. DETAIL DRAWINGS AND SCHEDULES DESCRIBE CONSTRUCTION AT GIVEN AREAS. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL UTILIZE EQUIVALENT CONSTRUCTION METHODS IN ALL AREAS NOT DETAILED.

23. ALL NOTES ON DRAWINGS SHALL BE ASSUMED AS TYPICAL, UNLESS OTHERWISE SHOWN OR NOTED ON THE DRAWINGS.

24. IT SHALL BE THE DUTY OF THE CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS GIVEN ON THE DRAWINGS AND TO REPORT TO THE ENGINEER ANY ERROR OR INCONSISTENCY WITH THE ACTUAL CIRCUMSTANCES IN THE FIELD BEFORE COMMENCING WORK.

25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL ITEMS REQUIRED TO PROVIDE A SITE CLEAR OF OBSTRUCTIONS (ABOVE & BELOW GRADE) AND GRADED TO SPECIFIED ELEVATIONS.

26. ALL BIDDERS: THE CONTRACTOR SHALL VISIT THE SITE TO FAMILIARIZE HIM/HERSELF WITH THE EXISTING CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED PRIOR TO SUBMITTING BID.

27. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL SITE SUB-CONTRACTORS/BIDDERS WITH FULL AND COMPLETE SETS OF ALL CIVIL DRAWINGS AND SPECIFICATIONS FOR THEIR USE IN PREPARING BIDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DELAYS AND COSTS ARISING DURING CONSTRUCTION FROM BIDS BASED UPON INCOMPLETE SETS OF SITE BID DOCUMENTS.

28. ANY WORK WITHIN THE PUBLIC RIGHT-OF-WAY, SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST CARROLL COUNTY STANDARDS AND SPECIFICATIONS. THIS WORK INCLUDES, BUT NOT LIMITED TO: REPAIRING; RESTORING; AND OBTAINING FINAL INSPECTION APPROVALS.

29. PRIOR TO VEGETATIVE STABILIZATION, ALL DISTURBED AREAS MUST BE TOPSOILED PER THE SPECIFICATION FOR TOPSOIL (SEE SHEET C-XXX) AND TECHNICAL SPECIFICATIONS. IF ON-SITE MATERIALS DO NOT MEET REQUIREMENTS OF TOPSOIL, COORDINATE WITH CCPS REGARDING TILLING-IN OF CERTIFIED COMPOST TO ON-SITE SOILS IN ORDER TO MEET SPECIFICATION.

30. ANY DISCREPANCIES, OMISSIONS, AMBIGUITIES, OR CONFLICTS IN AND AMONG THE CONSTRUCTION DOCUMENTS OR DOUBT ABOUT THEIR MEANING, SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER FOR DIRECTION BEFORE PROCEEDING WITH WORK. IF AMBIGUITIES EXIST, THE BETTER QUALITY AND GREATER QUANTITY OF WORK SHALL BE BID UPON AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE INDICATED BY THE OWNER IN WRITING.

31. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL TRADE PERMITS AND PAY FEES ASSOCIATED WITH SAID PERMITS.

32. CLARK | AZAR & ASSOCIATES WILL RELEASE CAD BASE FILES OF THE SITE CIVIL DRAWINGS TO THE SUCCESSFUL CONTRACTOR WITHOUT FEE AFTER A RELEASE IS SIGNED. NO CAD FILES WILL BE RELEASED PRIOR TO AWARD OF CONTRACT.

OWNER'S CERTIFICATION

I/We hereby certify that all proposed work shown on these construction drawings(s) has been reviewed by me/us and that I/we fully understand what is necessary to accomplish this work and that the work will be conducted in strict accordance with these plans. I/We also understand that any changes to these plans will require an amended plan to be reviewed and approved by the Carroll County Planning and Zoning Commission before any change in the work is made.

Name(s) Printed/Date
Signed/Date

CARROLL COUNTY PLANNING AND ZONING COMMISSION

BY _____ DATE _____

CARROLL COUNTY DEPARTMENT OF PUBLIC WORKS BUREAU OF UTILITIES

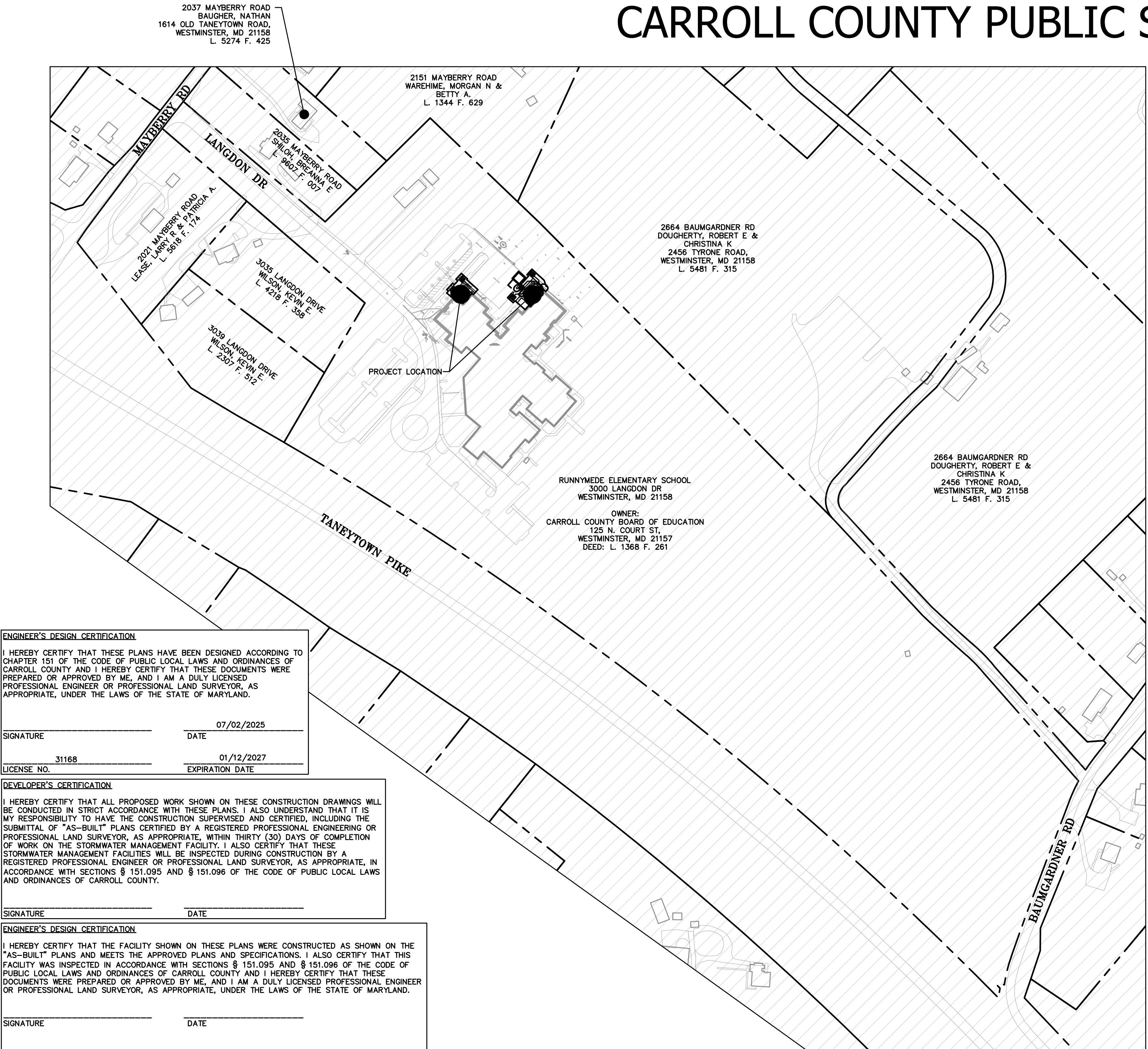
BY _____ DATE _____

CARROLL COUNTY HEALTH DEPARTMENT

BY _____ DATE _____

0 150' 300'
GRAPHIC SCALE

PROFESSIONAL CERTIFICATION:
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 31168
EXPIRATION DATE: 01/12/2027



1 OVERALL SITE PLAN
SCALE: 1"=150'

ENGINEER'S DESIGN CERTIFICATION

I HEREBY CERTIFY THAT THESE PLANS HAVE BEEN DESIGNED ACCORDING TO CHAPTER 151 OF THE CODE OF PUBLIC LOCAL LAWS AND ORDINANCES OF CARROLL COUNTY AND I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND I AM A DULY LICENSED PROFESSIONAL ENGINEER OR PROFESSIONAL LAND SURVEYOR, AS APPROPRIATE, UNDER THE LAWS OF THE STATE OF MARYLAND.

SIGNATURE _____ DATE 07/02/2025
31168 01/12/2027
LICENSE NO. EXPIRATION DATE

DEVELOPER'S CERTIFICATION

I HEREBY CERTIFY THAT ALL PROPOSED WORK SHOWN ON THESE CONSTRUCTION DRAWINGS WILL BE CONDUCTED IN STRICT ACCORDANCE WITH THESE PLANS. I ALSO UNDERSTAND THAT IT IS MY RESPONSIBILITY TO HAVE THE CONSTRUCTION SUPERVISED AND CERTIFIED, INCLUDING THE SUBMITTAL OF "AS-BUILT" PLANS CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEERING OR PROFESSIONAL LAND SURVEYOR, AS APPROPRIATE, WITHIN THIRTY (30) DAYS OF COMPLETION OF WORK ON THE STORMWATER MANAGEMENT FACILITY. I ALSO CERTIFY THAT THESE STORMWATER MANAGEMENT FACILITIES WILL BE INSPECTED DURING CONSTRUCTION BY A REGISTERED PROFESSIONAL ENGINEER OR PROFESSIONAL LAND SURVEYOR, AS APPROPRIATE, IN ACCORDANCE WITH SECTIONS § 151.095 AND § 151.096 OF THE CODE OF PUBLIC LOCAL LAWS AND ORDINANCES OF CARROLL COUNTY.

SIGNATURE _____ DATE _____

ENGINEER'S DESIGN CERTIFICATION

I HEREBY CERTIFY THAT THE FACILITY SHOWN ON THESE PLANS WERE CONSTRUCTED AS SHOWN ON THE "AS-BUILT" PLANS AND MEETS THE APPROVED PLANS AND SPECIFICATIONS. I ALSO CERTIFY THAT THIS FACILITY WAS INSPECTED IN ACCORDANCE WITH SECTIONS § 151.095 AND § 151.096 OF THE CODE OF PUBLIC LOCAL LAWS AND ORDINANCES OF CARROLL COUNTY AND I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND I AM A DULY LICENSED PROFESSIONAL ENGINEER OR PROFESSIONAL LAND SURVEYOR, AS APPROPRIATE, UNDER THE LAWS OF THE STATE OF MARYLAND.

SIGNATURE _____ DATE _____
LICENSE NO. EXPIRATION DATE

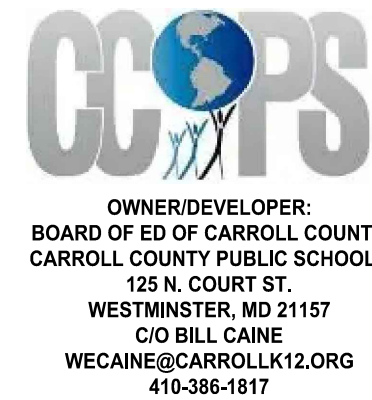
SITE DEVELOPMENT PLAN INSPECTION SEQUENCE NOTES:

- CONTRACTOR SHALL NOTIFY THE CARROLL COUNTY BUREAU OF PERMITS AND INSPECTIONS AT 410-386-2674, AT LEAST ONE DAY PRIOR TO BEGINNING ANY WORK.
- SITE COMPLIANCE INSPECTIONS ARE REQUIRED AT THE FOLLOWING STAGES DURING CONSTRUCTION:
 - PROPOSED STRUCTURES STAKED OUT IN PROPER LOCATIONS AS SHOWN ON THESE APPROVED PLANS.
 - PROPOSED FOUNDATIONS INSTALLED FOR ALL BUILDINGS SHOWN ON THESE APPROVED PLANS.
 - SUB-GRADES ESTABLISHED FOR ALL DRIVES, PARKING LOTS, AND SURROUNDING GRADING.
 - COMPLETION OF ALL DRIVES, PARKING LOTS, AND SURROUNDING GRADING.
 - COMPLETION OF ALL WORK SHOWN ON PLANS.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE CARROLL COUNTY BUREAU OF PERMITS AND INSPECTIONS AT 410-386-2674 UPON COMPLETION OF EACH PHASE OF CONSTRUCTION.

- CONTRACTOR SHALL NOTIFY CARROLL COUNTY BUREAU OF RESOURCE MANAGEMENT, ENVIRONMENTAL INSPECTION SERVICES DIVISION AT 410-386-2210 PRIOR TO BEGINNING ANY WORK. ALL FOREST CONSERVATION PLAN DEVICES MUST BE IN PLACE PRIOR TO ANY CONSTRUCTION.
- FINAL LANDSCAPING INSPECTION SHALL BE ARRANGED THROUGH BUREAU OF RESOURCE MANAGEMENT, ENVIRONMENTAL INSPECTION SERVICES DIVISION AT 410-386-2210 BY THE CONTRACTOR/DEVELOPER OR AGENT. WRITTEN APPROVAL FROM THE LANDSCAPE REVIEW SPECIALIST, BUREAU OF RESOURCE MANAGEMENT, MUST BE OBTAINED FOR ANY DEVIATIONS FROM THE LANDSCAPING OR FOREST CONSERVATION PLANS OR MODIFICATIONS IN THE PLANT MATERIAL.
- THE CONTRACTOR SHALL NOT PROCEED TO THE NEXT PHASE OF CONSTRUCTION UNTIL GIVEN APPROVAL OF PRIOR PHASES.

MOSELEYARCHITECTS



RUNNYMEDE ELEMENTARY SCHOOL

PRE-K ADDITION

3000 LANGDON DRIVE,
WESTMINSTER, MD 21158
ELECTION DISTRICT 02

EXISTING/PROPOSED USE: ELEMENTARY SCHOOL

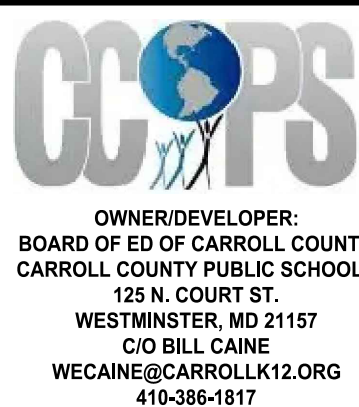
PROJECT NO. 84149
DATE: AUGUST 29, 2025
REVISIONS

DATE DESCRIPTION

CIVIL COVER
SHEET

COUNTY FILE: S-24-0028
SHEET 1 OF 13

C-001



RUNNYMEDE ELEMENTARY SCHOOL

PRE-K ADDITION

3000 LANGDON DRIVE,
WESTMINSTER, MD 21158
ELECTION DISTRICT 02

EXISTING/PROPOSED USE: ELEMENTARY SCHOOL

PROJECT NO:	84149
DATE:	AUGUST 29, 2025
REVISIONS	
DATE	DESCRIPTION

**EXISTING
CONDITIONS &
DEMOLITION PLAN**

COUNTY FILE: S-24-0028
SHEET 2 OF 13

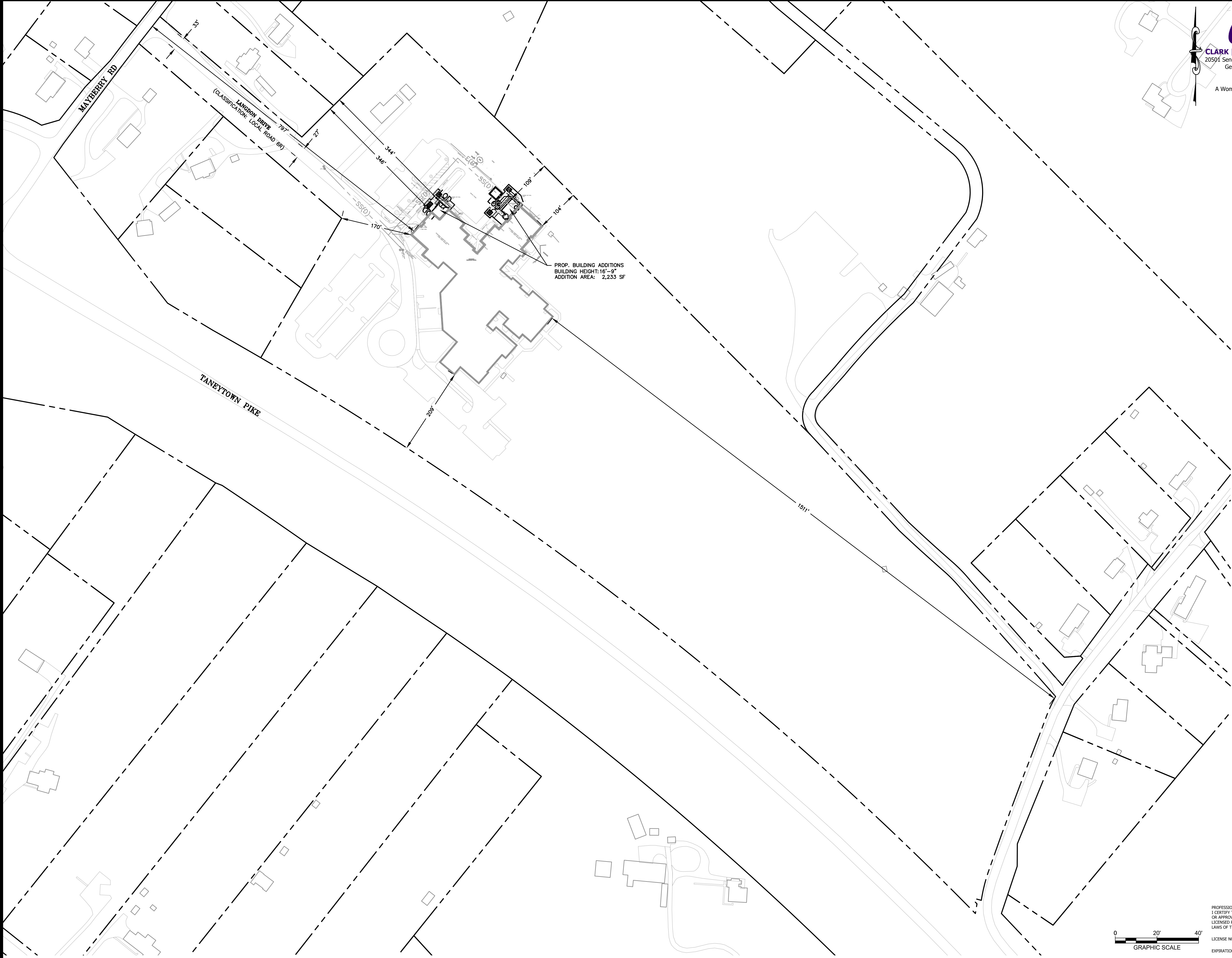
C-100

PROFESSIONAL CERTIFICATION:
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED
OR APPROVED BY ME, AND THAT I AM A DULY
LICENSED PROFESSIONAL ENGINEER UNDER THE
LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 31168
EXPIRATION DATE: 01/12/2027

0 20' 40'
GRAPHIC SCALE

GENERAL DEMOLITION NOTES

1. THE CONTRACTOR SHALL BE LIMITED TO STORING MATERIALS WITHIN THE LIMITS OF DISTURBANCE FOR THIS PROJECT.
2. ALL CONSTRUCTION ACTIVITY SHALL BE COORDINATED WITH CCOPS.
3. CONTRACTOR SHALL PROVIDE REQUIRED SIGNAGE AND FLAGMEN ALONG ALL PUBLIC STREETS ADJACENT TO THE SITE, TO ASSURE THE SAFETY OF ALL VEHICULAR AND PEDESTRIAN TRAFFIC IF REQUIRED. ALL TRAFFIC CONTROLS MUST BE IN ACCORDANCE WITH THE MOST CURRENT MUTCD AND MCMUTCD REQUIREMENTS AND WITH THE MOST CURRENT CARROLL COUNTY WORK ZONE TRAFFIC CONTROL STANDARDS AND DETAILS.
4. ALL WORK SHALL BE PERFORMED IN STRICT CONFORMANCE WITH THE MOST CURRENT APPLICABLE EPA, OSHA, AND MOSHA REGULATIONS AND MUST COMPLY WITH THE MOST CURRENT FEDERAL, STATE AND/OR LOCAL REGULATIONS AND CODES APPLICABLE TO SAID WORK.
5. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WORK WITH REPRESENTATIVE UTILITY COMPANIES AND IMPLEMENTING REQUIRED UTILITY-RELATED WORK ACCORDINGLY.
6. THE CONTRACTOR SHALL NOTIFY THE OWNER AND/OR OWNERS REPRESENTATIVE IMMEDIATELY UPON ENCOUNTERING ANY HAZARDOUS MATERIALS. THE CONTRACTOR SHALL DOCUMENT SAME TO THE OWNER TO OBTAIN DIRECTION AS TO THE APPROPRIATE ACTION(S) TO BE TAKEN.
7. WHERE NEW WORK IS TO BE DONE, CARE SHALL BE TAKEN TO PROTECT ALL EXISTING ADJACENT SURFACES, STRUCTURES, AND AREAS FROM DAMAGE. ANY ITEM SHOWN TO REMAIN THAT IS DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
8. CONTRACTOR SHALL BACKFILL EXCAVATED AREAS WITH ACCEPTABLE MATERIAL AS SPECIFIED IN THE CONTRACT DOCUMENTS.
9. THE CONTRACTOR SHALL SHEET/SHORE AND BRACE ANY AND ALL STRUCTURES EXPOSED BY EXCAVATION/CONSTRUCTION IF REQUIRED AND SHALL CONTAIN ALL EXCAVATION WITHIN THE LIMITS OF DISTURBANCE. CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN OF SHEETING AND SHORING IN ACCORDANCE WITH LOCAL, STATE, OR FEDERAL REQUIREMENTS.
10. IN THE EVENT THAT, DURING DEMOLITION OR CONSTRUCTION ACTIVITIES THE CONTRACTOR ENCOUNTERS ANY EXISTING UTILITIES/STRUCTURES NOT SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE OWNER FOR DIRECTIONS PRIOR TO PROCEEDING WITH ANY WORK.
11. ALL SAWCUTS ARE TO BE STRAIGHT AND EVEN, JAGGED EDGES WILL NOT BE ACCEPTED.
12. IT IS THE INTENT OF THE DEMOLITION PHASE TO PROVIDE A SITE CLEAR OF ALL PHYSICAL CONSTRUCTIONS THAT WILL IMPEDE NEW CONSTRUCTION. PHASE STORM DRAIN REMOVAL AND GRADING AS NECESSARY TO MAINTAIN POSITIVE DRAINAGE THROUGHOUT CONSTRUCTION.
13. THE DEMOLITION PLAN IS INTENDED TO PROVIDE AN OVERALL INTENT OF DEMOLITION THAT WILL BE PERFORMED THROUGHOUT CONSTRUCTION. SOME DEMOLITION IS PHASED AND PROGRESSES AS CONSTRUCTION CONTINUES. ALL DEMOLITION, AND MOST IMPORTANTLY UTILITY DEMOLITION, MUST BE PERFORMED IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND THE SEQUENCE OF CONSTRUCTION.
14. PRIOR TO THE START OF CONSTRUCTION AN ON-SITE MEETING WITH CCOPS AND THEIR GENERAL CONTRACTOR SHALL BE HELD TO DISCUSS TIMING OF OPERATIONS AND CONSTRUCTION COORDINATION.
15. BEFORE ANY EXCAVATION BELOW SUBGRADE IS ALLOWED, THE CONTRACTOR SHALL VERIFY THAT NO UTILITY PIPING IS IN THE VICINITY OF EXCAVATION.
16. THE CONTRACTOR SHALL CALL "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL UNDERGROUND UTILITIES IN THE AREA OF PROPOSED WORK ARE LOCATED PRIOR TO COMMENCING CONSTRUCTION WORK. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS THE CARROLL COUNTY CODE.
17. THE CONTRACTOR IS ALSO RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES (NOT LOCATED BY MISS UTILITY) WITHIN THE PROPERTY AT THEIR EXPENSE. ALL UTILITIES SHOWN ON THE PLANS ARE PROVIDED FOR INFORMATION ONLY AND SHALL BE CONSIDERED APPROXIMATE. CCOPS WILL NOT LOCATE ANY OF THE EXISTING UNDERGROUND UTILITIES. ANY UTILITIES OR OTHER UNDERGROUND FACILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED/REPLACED AT THE CONTRACTOR'S EXPENSE.
18. WHEN AN ITEM IS STATED TO BE REMOVED, IT SHALL INCLUDE REMOVAL OF ANY AND ALL APPURTENANCES ABOVE OR BELOW GRADE ASSOCIATED WITH SAID ITEM.
19. ALL SIDEWALKS ARE TO BE REMOVED AT THE NEAREST WHOLE PANEL.
20. ANY MANHOLE, VALVE, OR OTHER UTILITY THAT IS TO REMAIN WITHIN THE LIMITS OF DISTURBANCE SHALL HAVE THEIR LIDS MODIFIED TO MEET PROPOSED GRADE.



CLARK | AZAR & ASSOCIATES
20501 Seneca Meadows Parkway, St 230
Germantown, MD. 20876
T(301) 528-2010
www.clarkazar.com
A Woman Owned Small Business



OWNER/DEVELOPER:
BOARD OF ED OF CARROLL COUNTY
CARROLL COUNTY PUBLIC SCHOOLS
125 N. COURT ST.
WESTMINSTER, MD 21157
C/O BILL CAGNE
WECAINE@CARROLLK12.ORG
410-386-1817

**RUNNYMEDE ELEMENTARY SCHOOL
PRE-K ADDITION**
3000 LANGDON DRIVE,
WESTMINSTER, MD 21158
ELECTION DISTRICT 02
EXISTING/PROPOSED USE: ELEMENTARY SCHOOL

PROJECT NO. 841449
DATE: AUGUST 29, 2025

REVISIONS

DATE DESCRIPTION

PROFESSIONAL CERTIFICATION:
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED
OR APPROVED BY ME, AND THAT I AM A DULY
LICENSED PROFESSIONAL ENGINEER UNDER THE
LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 31168
EXPIRATION DATE: 01/12/2027

**OVERALL SITE
PLAN**

COUNTY FILE: S-24-0028
SHEET 3 OF 13

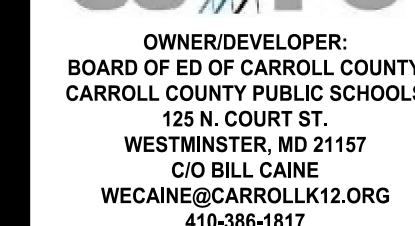
C-200

MOSELEYARCHITECTS

1414 KEY HIGHWAY, SECOND FLOOR, BALTIMORE, MD 21230
PHONE (410) 539-4900 FAX (410) 539-0660
MOSELEYARCHITECTS.COM



1414 KEY HIGHWAY, SECOND FLOOR, BALTIMORE, MD 21230
PHONE (410) 539-4300 FAX (410) 539-0660
MOSELEYARCHITECTS.COM



**3000 LANGDON DRIVE,
WESTMINSTER, MD 21158
ELECTION DISTRICT 02
EXISTING/PROPOSED USE**

C-201

LICENSE NO. 31168

EXPIRATION DATE: 01/12/2027





1414 KEY HIGHWAY, SECOND FLOOR, BALTIMORE, MD 21230
PHONE (410) 539-4300 FAX (410) 539-0660
MOSELEYARCHITECTS.COM



RUNNYMEDE ELEMENTARY SCHOOL

PRE-K ADDITION
3300 LANGDON DRIVE,
WESTMINSTER, MD 21158
ELECTION DISTRICT 02
EXISTING/PROPOSED USE

SITE DETAILS

PROFESSIONAL CERTIFICATION:
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED
OR APPROVED BY ME, AND THAT I AM A DULY
LICENSED PROFESSIONAL ENGINEER UNDER THE
LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 31168

EXPIRATION DATE: 01/12/2027

COUNTY FILE: S-24-0028
SHEET 5 OF 13

C-205

LEGEND

- LOD PROPOSED LIMITS OF DISTURBANCE
- SD EXISTING STORM DRAIN LINE
- CONTOUR
- PROPERTY LINE
- DRAINAGE AREA TO POI
- SOIL CLASSIFICATION BOUNDARY
- WOODED AREA
- GRASSED AREA
- EXISTING IMPERVIOUS
- MEADOW AREA

CLARK | AZAR & ASSOCIATES
20501 Seneca Meadows Parkway, St 230
Germantown, MD. 20876
T(301) 528-2010
www.clarkazar.com
A Woman Owned Small Business

MOSELEYARCHITECTS

1414 KEY HIGHWAY, SECOND FLOOR, BALTIMORE, MD 21230
PHONE (410) 539-4300 FAX (410) 539-0660
MOSELEYARCHITECTS.COM



CCOPS
OWNER/DEVELOPER:
BOARD OF ED OF CARROLL COUNTY
CARROLL COUNTY PUBLIC SCHOOLS
125 N. COURT ST.
WESTMINSTER, MD 21157
C/O BILL CAINE
WECAINE@CARROLLK12.ORG
410-386-1817

**RUNNYMEDE ELEMENTARY SCHOOL
PRE-K ADDITION**

3000 LANGDON DRIVE,
WESTMINSTER, MD 21158
ELECTION DISTRICT 02
EXISTING/PROPOSED USE: ELEMENTARY SCHOOL

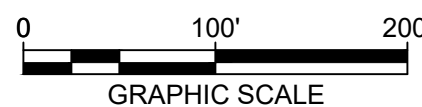
PROJECT NO. 841449
DATE: AUGUST 29, 2025
REVISIONS
DATE DESCRIPTION

**SWM PROPOSED
CONDITIONS PLAN**

COUNTY FILE: S-24-0028
SHEET 8 OF 13

C-351

PROFESSIONAL CERTIFICATION:
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED
OR APPROVED BY ME, AND THAT I AM A DULY
LICENSED PROFESSIONAL ENGINEER UNDER THE
LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 31168
EXPIRATION DATE: 01/12/2027



Pre-Development Drainage Area Summary					
Number	Point	Drainage Area (ac)	Impervious Area (ac)	Q2	Q10
A	SWM FACILITY	9.03	3.799	14.73	28.27
B	OFF-SITE	4.87	0.921	6.67	14.05
	TOTAL SITE	13.90	4.720	21.27	42.03

Post-Development Drainage Area Summary					
Number	Point	Drainage Area (ac)	Impervious Area (ac)	Q2	Q10
A	SWM FACILITY	9.03	3.807	14.73	28.27
B	OFF-SITE	4.87	0.938	6.30	14.05
	TOTAL SITE	13.90	4.745	20.94	42.03

LEGEND

LOD PROPOSED LIMITS OF DISTURBANCE

SD EXISTING STORM DRAIN LINE

CONTOUR

TIME OF CONCENTRATION PATH

DRAINAGE AREA TO POI

SOIL CLASSIFICATION BOUNDARY

WOODED AREA

GRASSED AREA

EXISTING IMPERVIOUS

STUDY POINT B
OFF SITE
DA = 4.87 AC

CLARK | AZAR & ASSOCIATES
20501 Seneca Meadows Parkway, St 230
Germantown, MD, 20876
T(301) 528-2010
www.clarkazar.com
A Woman Owned Small Business

MOSELEYARCHITECTS

1414 KEY HIGHWAY, SECOND FLOOR, BALTIMORE, MD 21230
PHONE (410) 539-4300 FAX (410) 539-0660
MOSELEYARCHITECTS.COM

STATE OF MARYLAND
PROFESSIONAL ENGINEERING
08/29/25

CCOPS
OWNER/DEVELOPER:
BOARD OF ED OF CARROLL COUNTY
CARROLL COUNTY PUBLIC SCHOOLS
125 N. COURT ST.
WESTMINSTER, MD 21157
C/O BILL CAME
WECAINED@CARROLLK12.ORG
410-386-1817

**RUNNYMEDE ELEMENTARY SCHOOL
PRE-K ADDITION**
3000 LANGDON DRIVE,
WESTMINSTER, MD 21158
ELECTION DISTRICT 02
EXISTING/PROPOSED USE: ELEMENTARY SCHOOL

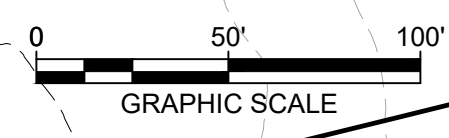
PROJECT NO.	841449
DATE:	AUGUST 29, 2025
REVISIONS	
DATE	DESCRIPTION

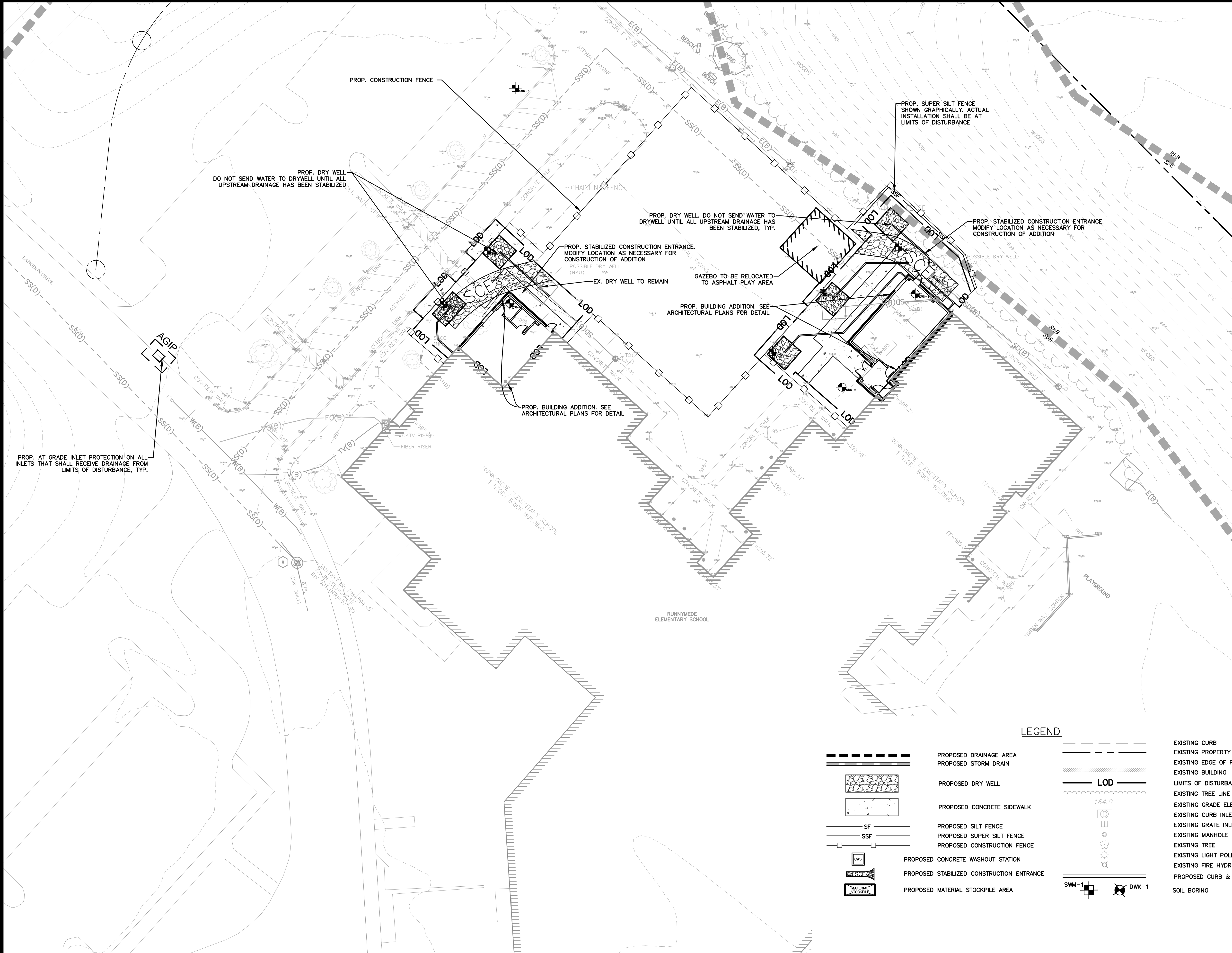
**DOWNSTREAM
ANALYSIS**

COUNTY FILE: S-24-0028
SHEET 10 OF 13

C-355

PROFESSIONAL CERTIFICATION:
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED
OR APPROVED BY ME, AND THAT I AM A DULY
LICENSED PROFESSIONAL ENGINEER UNDER THE
LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 21158
EXPIRATION DATE: 01/12/2027





SAME DAY STABILIZATION NOTE

THE WORK IN THIS AREA SHALL BE DONE USING THE METHOD OF "SAME DAY STABILIZATION". NO MORE AREA SHALL BE DISTURBED THAN CAN BE STABILIZED BY THE END OF THE WORKDAY. ALL DISTURBED AREAS THAT DO NOT DRAIN TO A SEDIMENT CONTROL DEVICE SHALL BE STABILIZED AT THE END OF THE WORKDAY. NO DISTURBED AREA SHALL BE LEFT UNSTABILIZED OVERNIGHT UNLESS THE RUNOFF IS DIRECTED TO AN ADE APPROVED SEDIMENT CONTROL DEVICE.

STABILIZATION SHALL BE AS FOLLOWS :

- FOR AREAS TO BE PAVED : APPLICATION OF STONE SUBBASE.
- FOR AREAS TO BE VEGETATIVELY STABILIZED : PERMANENT SEED AND EROSION CONTROL MATTING FOR ALL SWALES/CHANNELS AND PERMANENT SEED AND MULCH FOR ALL OTHER AREAS

STABILIZED CONSTRUCTION ENTRANCE NOTE

WHERE A STABILIZED CONSTRUCTION ENTRANCE (SCE) IS NOT PRACTICAL, THE CONTRACTOR SHALL USE SMALL CONSTRUCTION VEHICLES, MAXIMIZE WORK WITHIN THE LIMIT OF DISTURBANCE, AND PRIOR TO DRIVING ON ANY ADJACENT AND PUBLIC ROADS, ALL EQUIPMENT AND VEHICLES MUST BE THOROUGHLY CLEANED OR WASHED TO REMOVE SEDIMENT AND DEBRIS. ALL SEDIMENT SPILLED, DROPPED OR TRACKED ONTO THE ROAD MUST BE REMOVED IMMEDIATELY BY VACUUMING, SCRAPING OR SWEEPING. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE THAT DRAINS TO AN APPROVED SEDIMENT CONTROL DEVICE

PHASING NOTE

ALL WORK AND PHASING SHALL BE COORDINATED WITH CCPS TO ENSURE THAT CONSTRUCTION DOES NOT DISRUPT NORMAL OPERATIONS OF EXISTING ELEMENTARY SCHOOL.

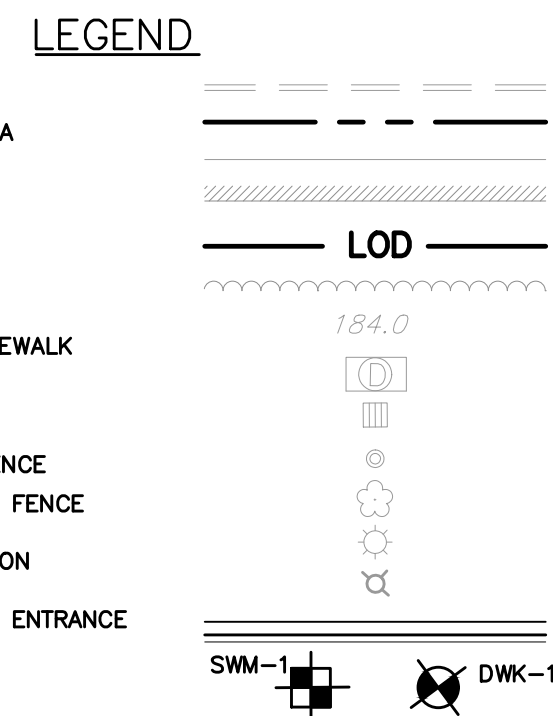
ACCESS NOTE

CONTRACTOR SHALL COORDINATE WITH CCPS FOR SITE ACCESS

GENERAL ESC NOTES

1. ALL DISTURBED AREAS SHALL BE RESTORED TO EXISTING CONDITIONS AT THE END OF CONSTRUCTION.
2. USE FILTER BAGS AS NECESSARY TO PUMP ANY NUISANCE WATER.
3. STABILIZE IMMEDIATELY ANY OFFSITE AREAS DISTURBED BY CONSTRUCTION VEHICLES OR EQUIPMENT. USE SAME DAY STABILIZATION METHOD FOR ANY DISTURBANCE.
4. DISTURBANCE SHALL BE LIMITED TO THAT WHICH CAN BE STABILIZED AT THE END OF EACH WORK DAY. IN THE EVENT THAT STABILIZATION IS NOT POSSIBLE, SILT FENCE SHOULD BE INSTALLED.
5. ALL CONSTRUCTION VEHICLES AND EQUIPMENT SHALL USE RUBBER TIRES. NO TRACKED VEHICLES OR EQUIPMENT ARE PERMITTED ON SITE.
6. ANY OFFSITE AREAS DISTURBED BY CONSTRUCTION VEHICLES OR EQUIPMENT SHALL BE STABILIZED IMMEDIATELY

- SEQUENCE OF OPERATIONS**
1. CONTACT THE CARROLL COUNTY SEDIMENT CONTROL INSPECTOR (1-410-396-2210) 24 HOURS PRIOR TO DOING ANYTHING ON THE SITE TO SET UP A PRE-CONSTRUCTION MEETING AND TO MAKE SURE ALL LOCAL ORDINANCE ITEMS HAVE BEEN SATISFIED.
 2. IF APPLICABLE, ORANGE HIGH VISIBILITY FENCE (HVF) SHALL BE MANUALLY INSTALLED ALONG THE LIMIT OF DISTURBANCE (LOD), WHERE THE LOD IS WITHIN 50 FEET OF THE FOREST BUFFER / CONSERVATION EASEMENT. THIS SHALL BE COMPLETED BY AND INSPECTED AT THE PRE-CONSTRUCTION MEETING.
 3. CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST THREE DAYS IN ADVANCE OF STARTING WORK SHOWN ON PLANS.
 4. CLEAR AND GRUB FOR SEDIMENT & EROSION CONTROL MEASURES OR DEVICES ONLY.
 5. INSTALL EROSION & SEDIMENT CONTROL MEASURES AND DEVICES AS SHOWN ON SHEET C400 INCLUDING ALL INLET PROTECTION DEVICES, AND INSTALL SUPER SILT FENCE (SSF). STOCKPILE AREA AND THE CONTRACTOR'S STAGING AREA MUST BE DESIGNATED AND PROVIDED PRIOR TO COMMENCING WORK. TEMPORARILY STABILIZE ALL STOCK PILES. CONSTRUCTION TRAFFIC SHOULD BE COORDINATED WITH CCPS AND SEDIMENT CONTROL INSPECTOR IN ACCORDANCE WITH STABILIZED CONSTRUCTION ENTRANCE NOTE, THIS SHEET.
 6. NOTIFY SEDIMENT CONTROL INSPECTOR UPON COMPLETION OF SAID INSTALLATION. CONTACT THE CARROLL COUNTY SEDIMENT CONTROL INSPECTOR PRIOR TO REMOVING ANY SEDIMENT CONTROL MEASURES. APPROVAL FROM THE SEDIMENT CONTROL INSPECTOR IS REQUIRED.
 7. BEGIN DEMOLITION TO THE EXTENTS OF LOD AS SHOWN ON C400.
 8. CONTRACTOR SHALL MAINTAIN ALL EROSION & SEDIMENT CONTROL MEASURES AND DEVICES AFTER EACH STORM EVENT. MAINTENANCE SHALL INCLUDE, BUT NOT LIMITED TO, REMOVAL OF ALL ACCUMULATED SEDIMENT. GEOTEXTILE FABRIC SHALL BE REPLACED AS NEEDED TO ENSURE PROPER FUNCTION.
 9. FINISH DEMOLITION OF SITE. BEGIN MASS GRADING, BUILDING CONSTRUCTION AND INSTALLATION OF UTILITIES, CURB AND GUTTER AS SHOWN ON C401. PROVIDE INLET PROTECTION WHERE SHOWN PRIOR TO INLETS BECOMING FUNCTIONAL. CONTRACTOR SHALL ROUGH GRADE DEPRESSIONS WHICH ARE TO BECOME STORM WATER MANAGEMENT (SWM) FACILITIES SO THAT THE INITIAL GROUND SURFACE IS LEVEL WITH RIM ELEVATION OF THE OVERFLOW INLET WHICH IS ABOVE THE FILTER BED ELEVATION. GRADING OF THE SWM FACILITIES AND INSTALLATION OF THE PLANTING MEDIA, SAND, UNDERDRAINS AND RECHARGE STONE SHALL BE DONE ONLY WHEN THE ENTIRE CONTRIBUTING AREA IS STABILIZED. BUILDING RENOVATIONS WILL OCCUR THROUGHOUT ALL STEPS OF CONSTRUCTION. FLUSH STORM DRAINS CONTRIBUTING TO DEPRESSIONS, AND CLEAN OUT DEPRESSIONS FOLLOWING EACH STORM EVENT.
 10. FINE GRADE AND STABILIZE DISTURBED AREAS TO THE EXTENT SHOWN ON C401. STABILIZE WITH SEED & MATTING WHERE SHOWN. ONCE CONTRIBUTING DRAINAGE AREA TO MICRO-BIORETENTION C IS STABILIZED WITH ESTABLISHED VEGETATION AND WITH THE APPROVAL FROM THE SEDIMENT CONTROL INSPECTOR, EXCAVATE THE SWM FACILITY TO THE APPROPRIATE DEPTH. INSTALL STONE, UNDERDRAINS, PIPE OUTFALLS, SAND, PLANTING MEDIA, ETC. IN ACCORDANCE WITH THE APPROVED SWM PLANS. CONTRACTOR SHALL EXERCISE EXTRA CARE DURING THIS PROCESS SO AS TO NOT DAMAGE THE PREVIOUSLY INSTALLED STORM DRAIN OR ALLOW SEDIMENT TO ENTER THE STORM DRAIN SYSTEMS. PRIOR TO INSTALLATION OF MULCH LAYER, FLOOD SWM FACILITIES WITH CLEAN WATER TO PONDING ELEVATION AND TIME DRAW-DOWN TO ENSURE DRAW-DOWN TIME IS LESS THAN 48 HOURS AND DRAINAGE WITHIN THE SWM FACILITY IS FUNCTIONING. CONTRACTOR SHALL NOTIFY AS-BUILT ENGINEER AT LEAST TWO WEEKS PRIOR TO CONSTRUCTION OF SWM FACILITIES.
 11. PROVIDE REMAINING LANDSCAPING INSTALLATION FOR THE SITE.
 12. UPON COMPLETION AND STABILIZATION OF SITE WITH ESTABLISHED VEGETATION AND WITH PERMISSION OF THE SEDIMENT CONTROL INSPECTOR, REMOVE REMAINING SEDIMENT CONTROL MEASURES AND STABILIZE THOSE AREAS DISTURBED BY THIS PROCESS USING PER DAILY STABILIZATION NOTE ON THIS SHEET.



EXISTING CURB
EXISTING PROPERTY LINE
EXISTING EDGE OF PAVEMENT
EXISTING BUILDING
EXISTING GRATE INLET
EXISTING TREE LINE
EXISTING GRADE ELEVATION
EXISTING CURB INLET
EXISTING MANHOLE
EXISTING LIGHT POLE
EXISTING FIRE HYDRANT
PROPOSED CURB & GUTTER
SOIL BORING

CARROLL SOIL CONSERVATION DISTRICT

The Development Plan is approved for Soil Erosion and Sediment Control by the Carroll Soil Conservation District.

Approved _____ Carroll S.C.D./Date

OWNER/DEVELOPER

I certify that this plan of Soil Erosion & Sediment Control will be implemented to the fullest extent, and all structures will be installed to the design and specifications as spelled out in this plan and that any responsible personnel involved in construction of this project will have a certification of attendance at a Department of the Environment approved training program for the control of soil erosion and sediment before beginning the project. I also authorize periodic on-site evaluation by the Carroll Soil Conservation District personnel and cooperating agencies.

Developer _____ Date _____

Printed Name of Developer _____

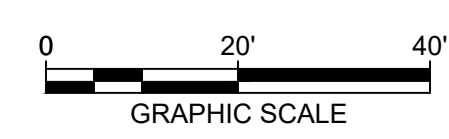
Developer Company Name _____

Developer Phone Number _____

ENGINEER

I certify that this plan of Sediment Control is designed with my personal knowledge of the site condition and has been designed to the Standards and Specifications adopted by the Carroll Soil Conservation District.

Engineer/Date _____



PROFESSIONAL CERTIFICATION:
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 31168
EXPIRATION DATE: 01/12/2027

CLARK | AZAR & ASSOCIATES
20501 Seneca Meadows Parkway, St 230
Germantown, MD, 20876
T(301) 528-2010
www.clarkazar.com
A Woman Owned Small Business

MOSELEYARCHITECTS

1414 KEY HIGHWAY, SECOND FLOOR, BALTIMORE, MD 21230
PHONE (410) 539-4500 FAX (410) 539-0660
MOSELEYARCHITECTS.COM



CCPS

OWNER/DEVELOPER:
BOARD OF ED OF CARROLL COUNTY
CARROLL COUNTY PUBLIC SCHOOLS
125 N. COURT ST.
WESTMINSTER, MD 21157
C/O BILL CAME
WECAINE@CARROLLK12.ORG
410-386-1817

**RUNNYMEDE ELEMENTARY SCHOOL
PRE-K ADDITION**

3000 LANGDON DRIVE,
WESTMINSTER, MD 21158
ELECTION DISTRICT 02
EXISTING/PROPOSED USE: ELEMENTARY SCHOOL

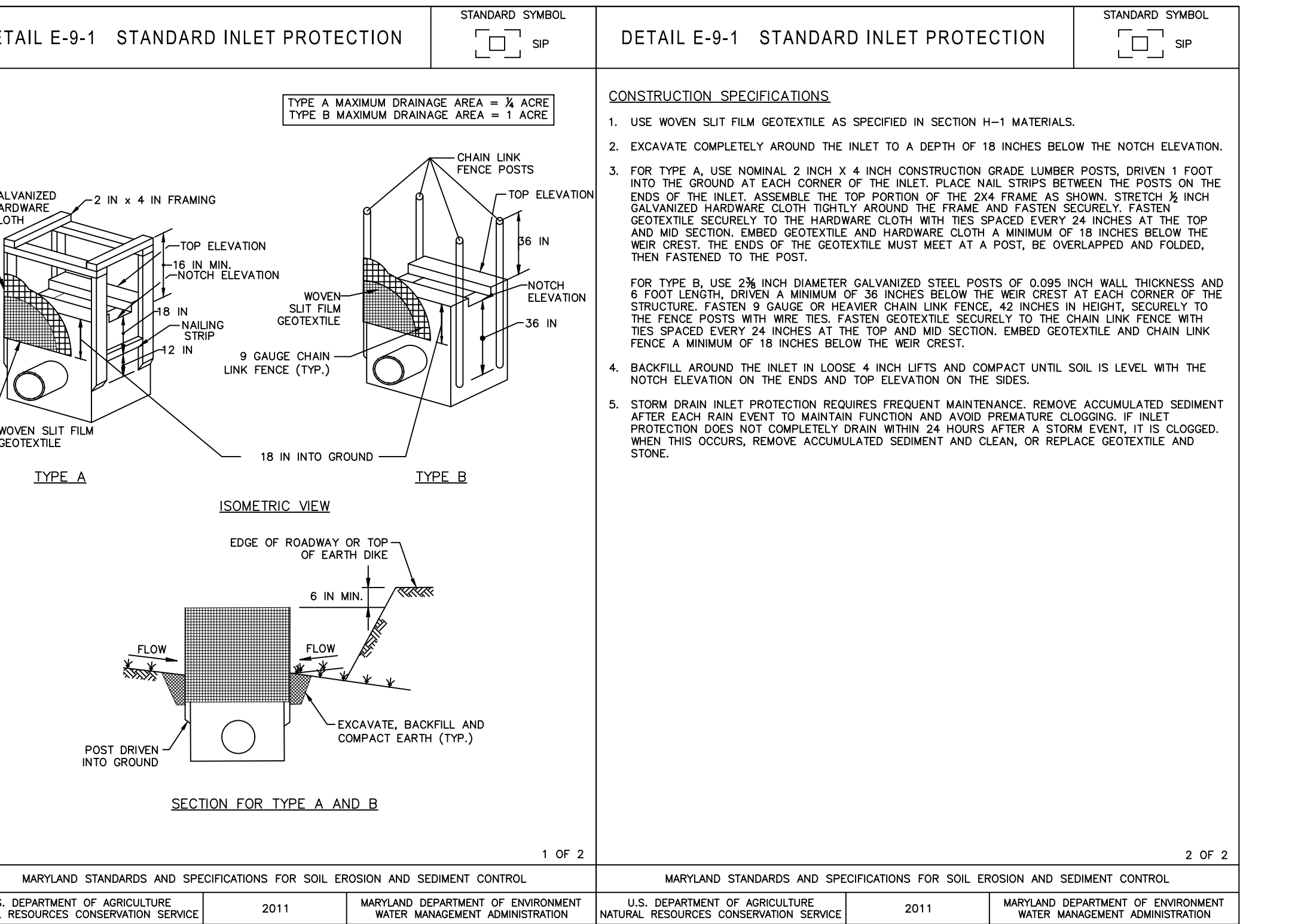
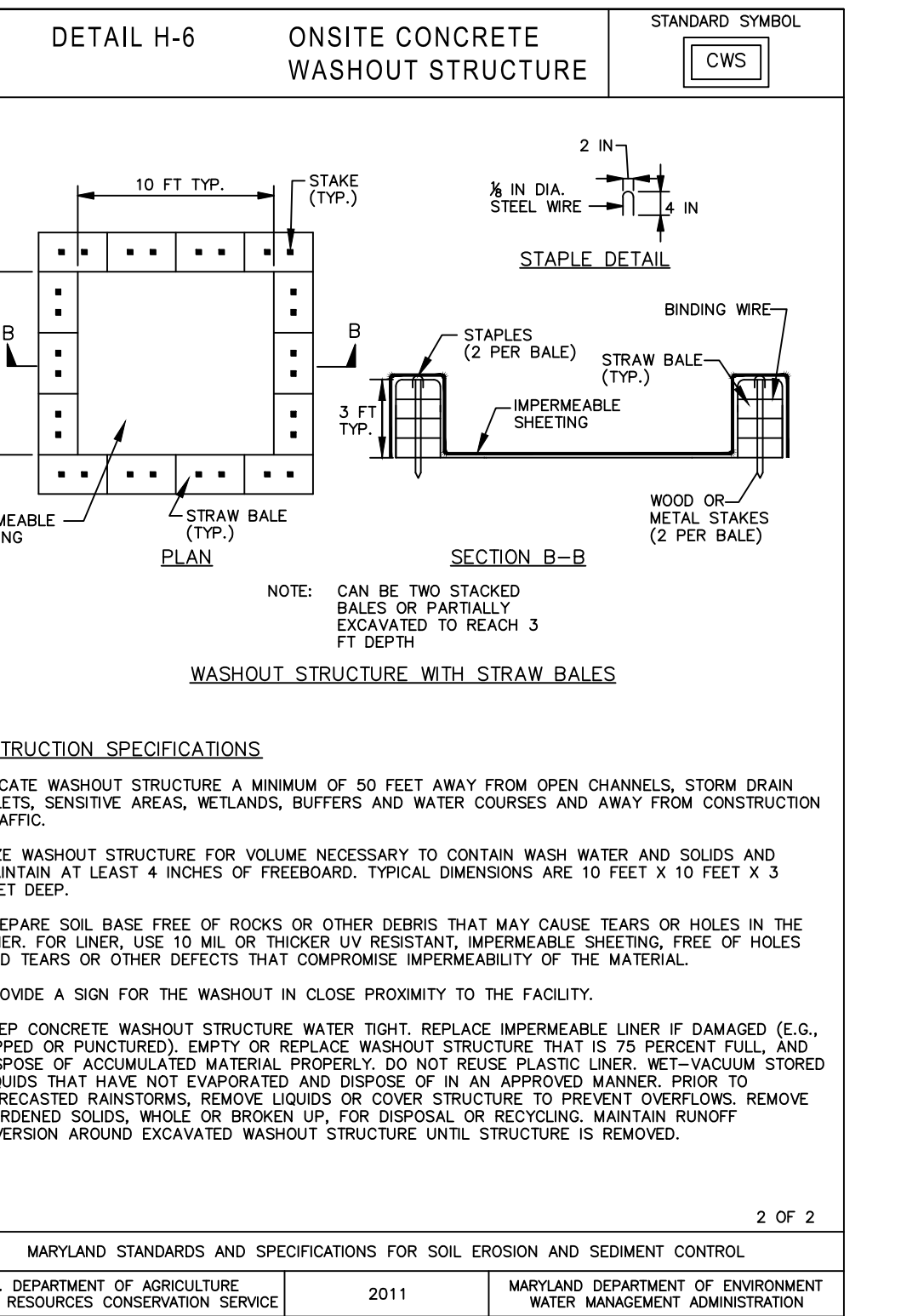
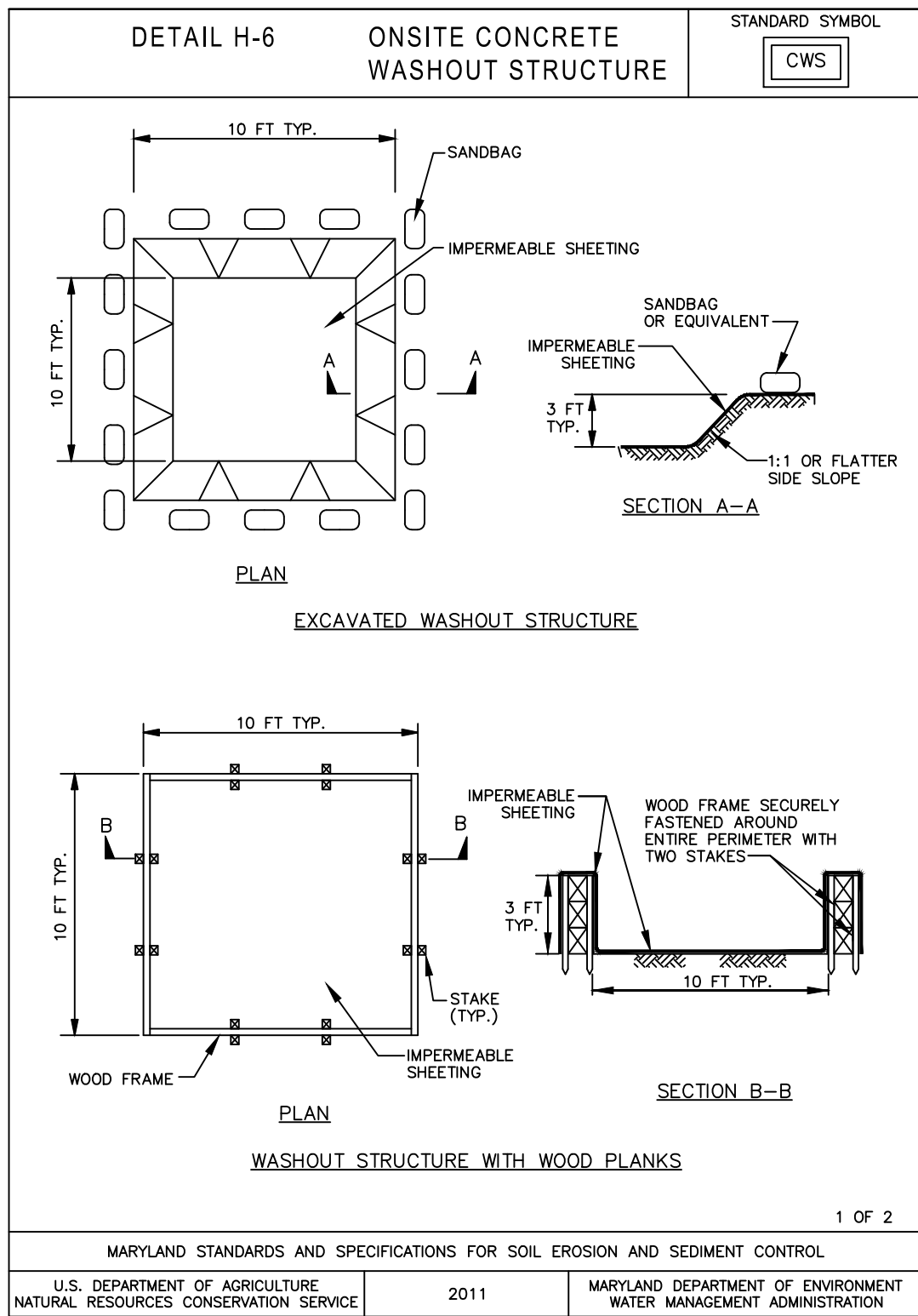
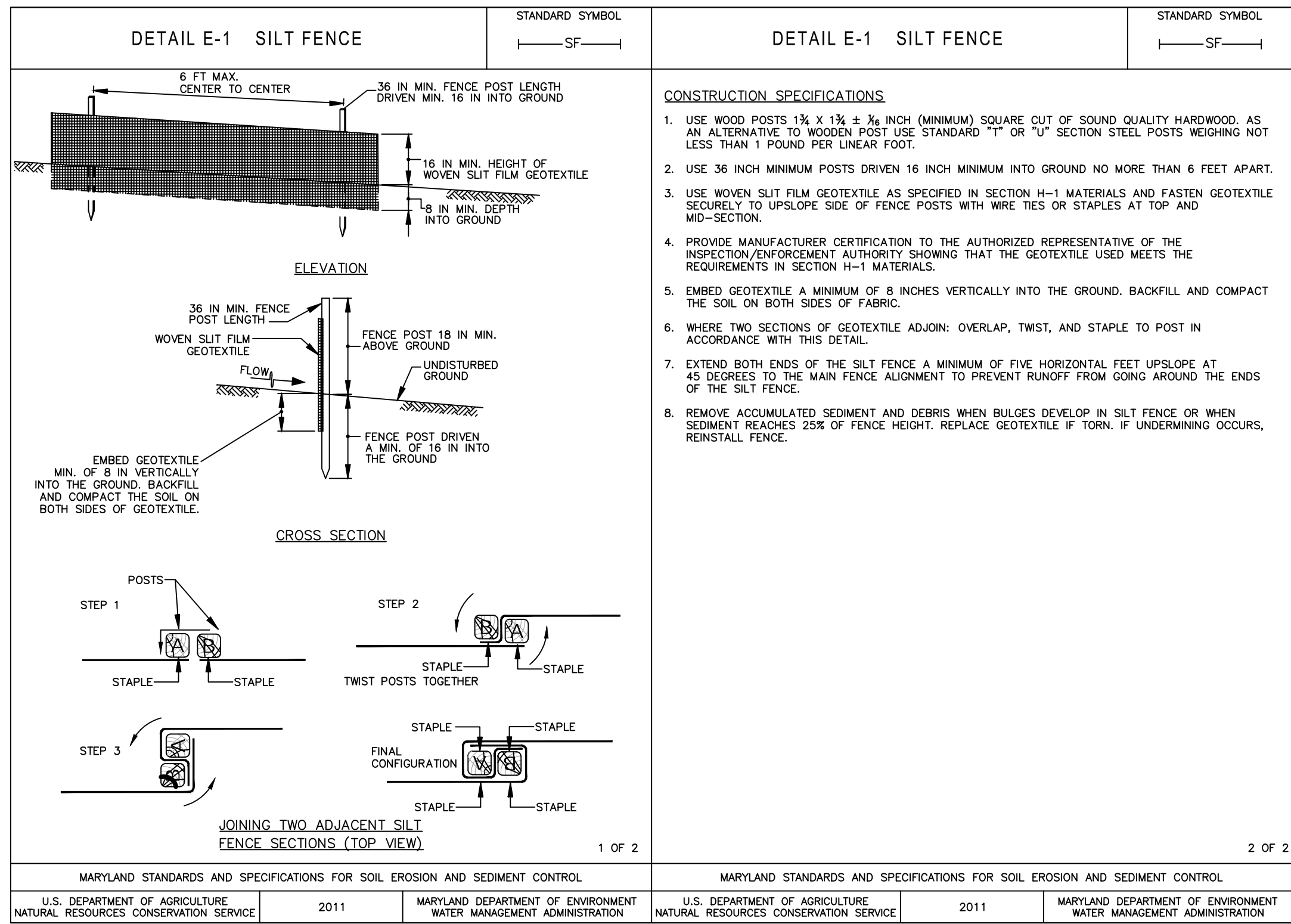
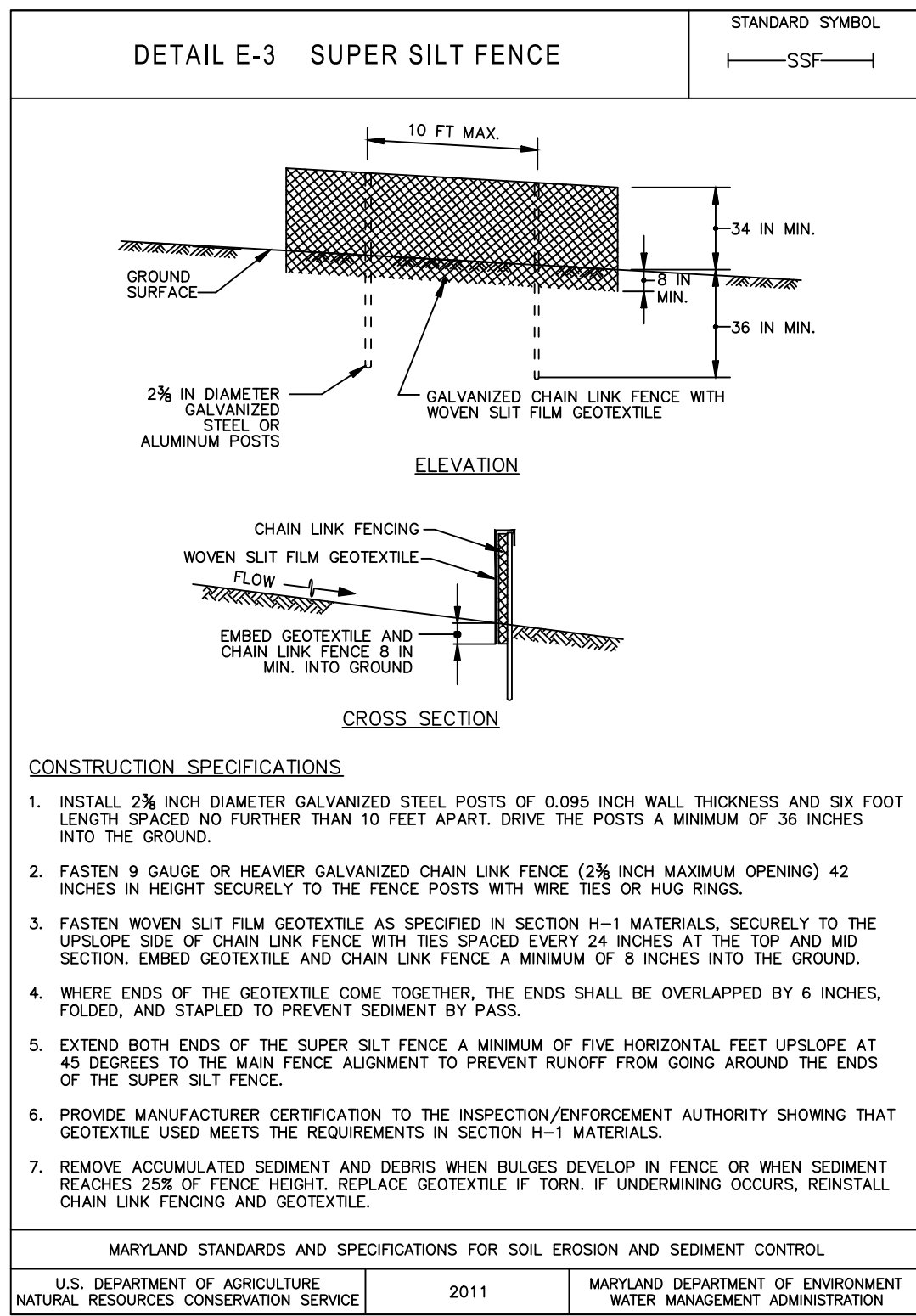
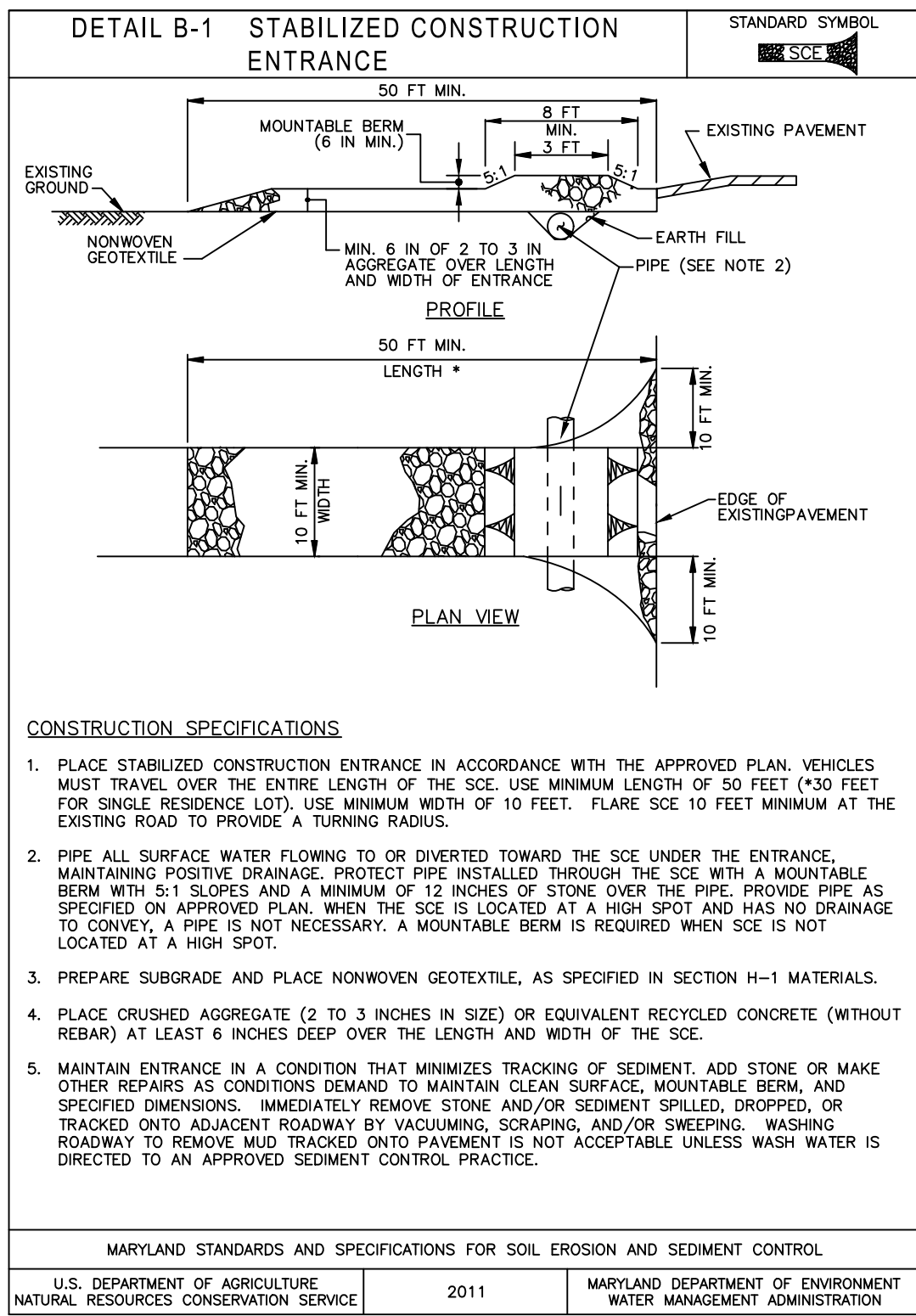
PROJECT NO. 841449
DATE: AUGUST 29, 2025

REVISIONS	
DATE	DESCRIPTION

**EROSION AND
SEDIMENT CONTROL
PLAN**

COUNTY FILE: S-24-0028
SHEET 11 OF 13

C-400



STANDARD EROSION AND 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.

- THE CONTRACTOR SHALL NOTIFY THE ADMINISTRATION (WMA) AT (410) 537-3510 SEVEN (7) DAYS BEFORE COMMENCING ANY LAND DISTURBING ACTIVITY AND, UNLESS WAIVED BY THE ADMINISTRATION, A PRE-CONSTRUCTION MEETING BETWEEN PROJECT REPRESENTATIVES AND A REPRESENTATIVE OF WMA.
- THE CONTRACTOR MUST NOTIFY WMA IN WRITING AND BY TELEPHONE AT THE FOLLOWING POINTS:
 - THE REQUIRED PRE-CONSTRUCTION MEETING.
 - FOLLOWING INSTALLATION OF SEDIMENT CONTROL MEASURES.
 - 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.
 - PRIOR TO REMOVAL OR MODIFICATION OF ANY SEDIMENT CONTROL STRUCTURE(S).
 - PRIOR TO REMOVAL OF ALL SEDIMENT CONTROL DEVICES.
 - PRIOR TO FINAL ACCEPTANCE.
- THE CONTRACTOR SHALL CONSTRUCT ALL EROSION AND SEDIMENT CONTROL MEASURES PER APPROVED EROSION AND SEDIMENT CONTROL SEQUENCE. ANY AREA NOT INSPECTED AND APPROVED BY THE AGENCY INSPECTOR OR WMA 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 WMA INSPECTOR. THE CONTRACTOR SHALL ENSURE THAT ALL RUNOFF FROM DISTURBED AREAS IS DIRECTED TO THE SEDIMENT CONTROL DEVICES AND SHALL NOT REMOVE EROSION OR SEDIMENT CONTROL MEASURES WITHOUT PRIOR PERMISSION FROM WMA INSPECTOR AND AGENCY INSPECTOR. THE CONTRACTOR MUST OBTAIN PRIOR AGENCY AND WMA APPROVAL FOR CHANGES TO THE SEDIMENT CONTROL PLAN AND / OR SEQUENCE OF CONSTRUCTION.
- THE CONTRACTOR SHALL PROTECT ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS TO PREVENT WHEN STRAW MULCH MATERIALS ONTO PUBLIC ROADS. ALL MATERIALS DEPOSITED ONTO PUBLIC ROADS SHALL BE REMOVED IMMEDIATELY.
- 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 WMA INSPECTOR AND AGENCY INSPECTOR.
- ALL SEDIMENT BASINS, TRAP EMBANKMENTS AND SLOPES, PERIMETER DIKES, SWALES AND ALL DISTURBED SLOPES STEEPER OR EQUAL TO 3:1 SHALL BE LIMESTONED WITH SOD OR SEED AND ANCHORED STRAW MULCH, OR OTHER APPROVED STABILIZATION MEASURES, AS SOON AS POSSIBLE BUT NO LATER THAN THREE (3) CALENDAR DAYS AFTER ESTABLISHMENT. ALL AREAS DISTURBED OUTSIDE THE PERIMETER SEDIMENT CONTROL SYSTEM MUST BE MINIMIZED. MAINTENANCE MUST BE PERFORMED AS NECESSARY TO ENSURE CONTINUED STABILIZATION.
- THE CONTRACTOR SHALL APPLY SOD OR SEED AND ANCHORED STRAW MULCH, OR OTHER APPROVED STABILIZATION MEASURES TO ALL DISTURBED AREAS 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.
- 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 AND AN APPROVED ANCHORED MULCH. 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 PROPOSED TO FINISHED GRADE DURING THE MONTHS OF NOVEMBER THROUGH FEBRUARY, AND PERMANENT STABILIZATION IS FOUND TO BE IMPRACTICAL, TEMPORARY SEED AND ANCHORED STRAW MULCH 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.
- 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 WMA AND THE AGENCY RESPONSIBLE FOR PROJECT.
- 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 DOWNSLOPE 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 BE FULLY STABILIZED, AT WHICH TIME THEY MUST BE REMOVED AND SHEET GRADING DONE TO PROMOTE SHEET FLOW DRAINAGE. PROTECTIVE METHODS MUST BE PROVIDED AT POINTS OF CONCENTRATED FLOW WHERE EROSION IS LIKELY TO OCCUR.
- 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 STABILIZATION MEASURES.
- TEMPORARY SEDIMENT CONTROL DEVICES MAY BE REMOVED, WITH PERMISSION OF WMA 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.
- 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 NONMAINTENANCE AREAS PROVIDED THAT THOSE AREAS ARE INDICATED ON THE EROSION AND SEDIMENT CONTROL PLAN WITH A LOW-MAINTENANCE GROUND COVER SPECIFIED FOR PERMANENT STABILIZATION. SLOPE GRADIENT STEEPER THAN 2:1 WILL NOT BE PERMITTED WITH VEGETATIVE STABILIZATION.
- FOR FINISHED GRADING, THE CONTRACTOR SHALL PROVIDE ADEQUATE GRADIENTS TO PREVENT WATER FROM PONDING FOR 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.
- 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.
- THE WMA INSPECTOR HAS THE OPTION OF REQUIRING ADDITIONAL SAFETY OR SEDIMENT CONTROL MEASURES, IF DEEMED NECESSARY.
- 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.
- 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.
- 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.
- 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.
- ALL WATER REMOVED FROM EXCAVATED AREAS (E.G. UTILITY TRENCHES) SHALL BE PASSED THROUGH AN APPROVED DEWATERING PRACTICE OR PUMPED TO A SEDIMENT TRAP OR BASIN PRIOR TO DISCHARGE FROM THE SITE (I.E. VIA FUNCTIONAL STORM DRAIN SYSTEM OR TO STABLE GROUND SURFACE).
- SEDIMENT CONTROL FOR UTILITY CONSTRUCTION FOR AREAS OUTSIDE OF DESIGNED CONTROLS OR AS DIRECTED BY ENGINEER OR WMA INSPECTOR:
 - CALL "MISS UTILITY" AT 1-800-257-7777 48 HOURS PRIOR TO THE START OF WORK.
 - EXCAVATED TRENCH MATERIAL SHALL BE PLACED ON THE HIGH SIDE OF THE TRENCH.
 - 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:
- TEMPORARY SILT FENCE SHALL BE PLACED IMMEDIATELY DOWNSTREAM OF ANY DISTURBED AREA INTENDED TO REMAIN DISTURBED FOR MORE THAN ONE DAY.

STANDARD EROSION AND SEDIMENT CONTROL NOTES (CONTINUED)

- 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 SIZES 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.
- OFF-SITE SPOIL OR BORROW AREAS ON STATE OR FEDERAL PROPERTY MUST HAVE PRIOR APPROVAL BY WMA 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.
- 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.
- 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 BERMING CONSTRUCTED AT THE TIME OF BASE PAVING TO DIRECT GUTTER FLOW INTO THE INLETS TO AVOID SURCHARGING AND OVERFLOW OF INLETS IN SUMP AREAS.

SECTION I – VEGETATIVE STABILIZATION METHODS AND MATERIALS

- SITE PREPARATION
 - INSTALL EROSION AND SEDIMENT CONTROL STRUCTURES (EITHER TEMPORARY OR PERMANENT) SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, BERMS, WATERWAYS, OR SEDIMENT CONTROL BASINS.
 - PERFORM ALL GRADING OPERATIONS AT RIGHT ANGLES TO THE SLOPE. FINAL GRADING AND SHAPING IS NOT USUALLY NECESSARY FOR TEMPORARY SEEDING.
 - SCHEDULE REQUIRED SOIL TESTS TO DETERMINE SOIL AMENDMENT COMPOSITION AND APPLICATION RATES FOR SITES HAVING DISTURBED AREA OVER 5 ACRES.
- SOIL AMENDMENTS (FERTILIZER AND LIME SPECIFICATIONS)
 - SOIL TESTS MUST BE PERFORMED TO DETERMINE THE EXACT RATIOS AND APPLICATION RATES FOR BOTH LIME AND FERTILIZER ON SITES HAVING DISTURBED AREAS OVER 5 ACRES. SOIL ANALYSIS MAY BE PERFORMED BY THE UNIVERSITY OF MARYLAND OR A RECOGNIZED COMMERCIAL LABORATORY. SOIL SAMPLES TAKEN FOR ENGINEERING PURPOSES MAY ALSO BE USED FOR CHEMICAL ANALYSES.
 - FERTILIZERS SHALL BE UNIFORM IN COMPOSITION, FREE FLOWING AND SUITABLE FOR ACCURATE APPLICATION BY APPROVED EQUIPMENT. MANURE MAY BE SUBSTITUTED FOR FERTILIZER WITH PRIOR APPROVAL FROM THE APPROPRIATE APPROVAL AUTHORITY. FERTILIZERS SHALL ALL BE DELIVERED TO THE SITE FULLY LABELED ACCORDING TO THE APPLICABLE STATE FERTILIZER LAWS AND SHALL BEAR THE NAME, TRADE NAME OR TRADEMARK AND WARRANT OF THE PRODUCER.
 - LIME MATERIALS SHALL BE GROUND LIMESTONE (HYDRATED OR BURNT LIME MAY BE SUBSTITUTED) WHICH CONTAINS AT LEAST 50% TOTAL OXIDES (CALCIUM OXIDE PLUS MAGNESIUM OXIDE). LIMESTONE GROUND TO SUCH FINENESS THAT AT LEAST 50% WILL PASS THROUGH A # 100 MESH SIEVE AND 98 – 100 % WILL PASS THROUGH A #20 MESH SIEVE.
 - INCORPORATE LIME AND FERTILIZER INTO THE TOP 3" – 5" OF SOIL BY DISKING OR OTHER SUITABLE MEANS.
- SEEDING PREPARATION
 - TEMPORARY SEEDING
 - SEEDBED PREPARATION SHALL CONSIST OF LOOSENING SOIL TO A DEPTH OF 3" TO 5" BY MEANS OF SUITABLE AGRICULTURAL OR CONSTRUCTION EQUIPMENT, SUCH AS DISC HARROWS OR CHisel PLOWS OR RIPPER MOUNTED ON CONSTRUCTION EQUIPMENT. AFTER THE SOIL IS LOOSENEED, IT SHOULD NOT BE ROLLED OR DRAGGED SMOOTH BUT LEFT IN THE ROUGHENED CONDITION. SLOPED AREAS (GREATER THAN 5:1) SHOULD BE TRACKED LEAVING THE SURFACE IN AN IRREGULAR CONDITION UNLESS REQUIRED TO SUCH FINENESS PARALLEL TO THE CONTOUR OF THE SLOPE.
 - APPLY FERTILIZER AND LIME AS PRESCRIBED ON THE PLANS.
 - INCORPORATE LIME AND FERTILIZER INTO THE TOP 3" – 5" OF SOIL BY DISKING OR OTHER SUITABLE MEANS.
 - PERMANENT SEEDING
 - MINIMUM SOIL CONDITIONS REQUIRED FOR PERMANENT VEGETATIVE ESTABLISHMENT:
 - SOIL PH SHALL BE BETWEEN 6.0 AND 7.0
 - SOLUBLE SALTS SHALL BE LESS THAN 500 PARTS PER MILLION (PPM).
 - THE SOIL SHALL CONTAIN LESS THAN 40% CLAY BUT ENOUGH FINE GRAINED MATERIAL (> 30% SILT PLUS CLAY) TO PROVIDE THE CAPACITY TO HOLD A MODERATE AMOUNT OF MOISTURE. AN EXCEPTION IS IF LOVEGRASS OR SERICIA LESPEDEZA IS TO BE PLANTED, THEN A SANDY SOIL (< 30% SILT PLUS CLAY) WOULD BE ACCEPTABLE.
 - SOIL SHALL CONTAIN 1.5 % MINIMUM ORGANIC MATTER BY WEIGHT.
 - SOIL MUST CONTAIN SUFFICIENT PORE SPACE TO PERMIT ADEQUATE ROOT PENETRATION.
 - IF THESE CONDITIONS CANNOT BE MET BY SOILS ON SITE, ADDING TOPSOIL IS REQUIRED IN ACCORDANCE WITH SECTION 21 STANDARD AND SPECIFICATION FOR TOPSOIL.
 - AREAS PREVIOUSLY GRADED IN CONFORMANCE WITH THE DRAWINGS SHALL BE MAINTAINED IN A TRUE AND EVEN GRADE, THEN SCARIFIED OR OTHERWISE LOOSENEED TO A DEPTH OF 3 – 5" TO PERMIT BONDING OF THE TOPSOIL TO THE SURFACE AREA AND TO CREATE HORIZONTAL EROSION CHECK SLOTS TO PREVENT SLIDING DOWN A SLOPE.
 - APPLY SOIL AMENDMENTS AS PER SOIL TEST OR AS INCLUDED ON THE PLANS.
 - MIX SOIL AMENDMENTS INTO THE TOP 3 – 5" OF TOPSOIL BY DISKING OR OTHER SUITABLE MEANS. LAWN AREAS SHOULD BE RAKED TO SMOOTH THE SURFACE, REMOVE LARGE OBJECTS LIKE STONES AND BRANCHES, AND RAKE THE SURFACE TO THE SPECIFIED SITE CONDITIONS. THIS WILL NOT PERMIT NORMAL SEEDBED PREPARATION, LOOSEN SURFACE SOIL BY DRAGGING WITH A HEAVY CHAIN OR OTHER EQUIPMENT TO ROUGHEN THE SURFACE. STEEP SLOPES (STEEPER THAN 3:1) SHOULD BE TRACKED BY A DOZER LEAVING THE SOIL IN AN IRREGULAR CONDITION WITH RIDGES RUNNING PARALLEL TO THE CONTOUR OF THE SLOPE. THE TOP 1 – 3" OF SOIL SHOULD BE LOOSE AND FRIABLE. SEEDBED LOOSENING MAY NOT BE NECESSARY ON NEWLY DISTURBED AREAS.
- SEED SPECIFICATIONS
 - ALL SEED MUST MEET THE REQUIREMENTS OF THE MARYLAND STATE SEED LAW. ALL SEED SHALL BE SUBJECT TO RE-TESTING BY A RECOGNIZED SEED LABORATORY. ALL SEED USED SHALL HAVE BEEN TESTED WITHIN THE 6 MONTHS IMMEDIATELY PRECEDING THE DATE OF SOWING SUCH MATERIAL ON THIS JOB.
NOTE: SEED TAGS SHALL BE MADE AVAILABLE TO THE INSPECTOR TO VERIFY TYPE AND RATE OF SEED USED.
 - INOCULANT – THE INOCULANT FOR TREATING LEGUME SEED IN THE SEED MIXTURES SHALL BE A PURE CULTURE OF NITROGEN-FIXING BACTERIA PREPARED SPECIALLY FOR THE SPECIES. INOCULANTS SHALL NOT BE USED LATER THAN THE DATE INDICATED ON THE CONTAINER. ADD FRESH INOCULANT AS DIRECTED ON PACKAGE. USE FOUR TIMES THE RECOMMENDED RATE WHEN HYDROSEEDING. NOTE: IT IS VERY IMPORTANT TO KEEP INOCULANT AS COOL AS POSSIBLE UNTIL USED. TEMPERATURES ABOVE 75-80° F. CAN WEAKEN BACTERIA AND MAKE THE INOCULANT LESS EFFECTIVE.
- METHODS OF SEEDING
 - HYDROSEEDING: APPLY SEED UNIFORMLY WITH HYDROSEEDER (SLURRY INCLUDES SEED AND FERTILIZER), BROADCAST OR DROP SEEDER, OR A CULTPACKER SEEDER.
 - IF FERTILIZER IS BEING APPLIED AT THE TIME OF SEEDING, THE APPLICATION RATES AMOUNTS WILL NOT EXCEED THE FOLLOWING: NITROGEN; MAXIMUM OF 100 LBS. PER ACRE TOTAL OF SOLUBLE NITROGEN; P205 (PHOSPHOROUS); 200 LBS/AC; K20 (POTASSIUM); 200 LBS/AC.
 - LIME – USE ONLY GROUND AGRICULTURAL LIMESTONE, (UP TO 3 TONS PER ACRE MAY BE APPLIED BY HYDROSEEDING) OR NORMALLY, NOT MORE THAN 2 TONS ARE APPLIED BY HYDROSEEDING AT ANY ONE TIME. DO NOT USE BURNT OR HYDRATED LIME WHEN HYDROSEEDING.
 - SEED AND FERTILIZER SHALL BE MIXED ON SITE AND SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION.

TEMPORARY SEEDING (FROM TABLE B.1)

Plant Mixture (Hardiness Zone: 7A)					Fertilizer Rate (10–20–20)	Lime Rate
No.	Species	Application Rate (lb/ac)	Seeding Dates	Seeding Depths		
Cool–Season Grasses					436 lb/ac (10 lb/1000 sq ft)	2 tons/ac (90 lb/1000 sq ft)
	Annual Ryegrass	40	3/1–5/15; 8/15–10/15	0.5"		
	Barley	96	3/1–5/15; 8/15–10/15	1.0"		
	Oats	72	3/1–5/15; 8/15–10/15	1.0"		
	Wheat	120	3/1–5/15; 8/15–10/15	1.0"		
	Cearel Rye	112	3/1–5/15; 8/15–10/15	1.0"		
Warm–Season Grasses						
	Foxtail Millet	30	5/16–7/31	0.5"		
	Pearl Millet	20	5/16–7/31	0.5"		

SECTION I – VEGETATIVE STABILIZATION METHODS AND MATERIALS (CONTINUED)

- DRY SEEDING: THIS INCLUDES USE OF CONVENTIONAL DROP OR BROADCAST SPREADERS.
 - SEED SPREAD DRY MUST BE INCORPORATED INTO THE SUBSOIL AT THE RATES PRESCRIBED ON THE TEMPORARY OR PERMANENT SEEDING SUMMARIES OR TABLES 25 OR 26. THE SEEDED AREA SHALL THEN BE ROLLED WITH A WEIGHTED ROLLER TO PROVIDE GOOD SEED TO SOIL CONTACT.
 - WHERE PRACTICAL, SEED SHOULD BE APPLIED IN TWO DIRECTIONS PERPENDICULAR TO EACH OTHER, APPLY HALF THE SEEDING RATE IN EACH DIRECTION.
 - DRILL OR CULTPACKER SEEDING: MECHANIZED SEEDERS THAT APPLY AND COVER SEED WITH SOIL. A. CULTPACKING SEEDERS ARE REQUIRED TO BURY THE SEED IN SUCH A FASHION AS TO PROVIDE AT LEAST 1/4 INCH OF COVERING. SEEDING MUST BE FIRM AFTER PLANTING.
 - WHERE PRACTICAL, SEED SHOULD BE APPLIED IN TWO DIRECTIONS PERPENDICULAR TO EACH OTHER. APPLY HALF THE SEEDING RATE IN EACH DIRECTION.
 - MULCH SPECIFICATIONS (IN ORDER OF PREFERENCE)
 - STRAW SHALL CONSIST OF THOROUGHLY THRESHED WHEAT, RYE OR OAT STRAW, REASONABLY BRIGHT COLOR, AND SHALL NOT BE MUSTY, MOLDY, CAKED, DECAYED, OR EXCESSIVELY DUSTY AND SHALL BE FREE OF NOXIOUS WEED SEEDS AS SPECIFIED IN THE MARYLAND SEED LAW.
 - WOOD CELLULOSE FIBER MULCH (WCFM)
 - WCFM SHALL CONSIST OF SPECIALLY PREPARED WOOD CELLULOSE PROCESSED INTO A UNIFORM FIBROUS PHYSICAL STATE.
 - WCFM SHALL BE DYED GREEN OR CONTAIN A GREEN DYE IN THE PACKAGE THAT WILL PROVIDE APPROPRIATE COLOR TO FACILITATE VISUAL INSPECTION OF THE UNIFORM COVER SLURRY.
 - WCFM, INCLUDING DYE, SHALL CONTAIN NO GERMINATION OR GROWTH INHIBITING FACTORS.
 - WCFM MATERIALS SHALL BE MANUFACTURED AND PROCESSED IN SUCH A MANNER THAT THE WOOD CELLULOSE FIBER MULCH WILL REMAIN IN UNIFORM SUSPENSION IN WATER UNDER AGITATION AND WILL BLEND WITH SEED, FERTILIZER AND OTHER ADDITIVES TO FORM A HOMOGENEOUS SLURRY. THE MULCH MATERIAL SHALL FORM A BLOTTER-LIKE GROUND COVER, ON APPLICATION, HAVING MOISTURE ABSORPTION AND PERCOLATION PROPERTIES AND SHALL COVER AND HOLD COLD SEED IN CONTACT WITH THE SOIL WITHOUT INHIBITING THE GROWTH OF THE GRASS SEEDLINGS.
 - WCFM MATERIAL SHALL CONTAIN NO ELEMENTS OR COMPOUNDS AT CONCENTRATION LEVELS THAT WILL BE PHYTO-TOXIC.
 - WCFM MUST CONFORM TO THE FOLLOWING PHYSICAL REQUIREMENTS: FIBER LENGTH TO APPROXIMATELY 10 MM., DIAMETER APPROXIMATELY 1 MM., PH RANGE OF 4.0 TO 8.5, ASH CONTENT OF 1.6% MAXIMUM AND WATER HOLDING CAPACITY OF 90% MINIMUM.
NOTE: ONLY STERILE STRAW MULCH SHOULD BE USED IN AREAS WHERE ONE SPECIES OF GRASS IS DESIRED.
 - MULCHING SEEDED AREAS – MULCH SHALL BE APPLIED TO ALL SEEDED AREAS IMMEDIATELY AFTER SEEDING.
 - IF GRADING IS COMPLETED OUTSIDE OF THE SEEDING SEASON, MULCH ALONE SHALL BE APPLIED AS PRESCRIBED IN THIS SECTION AND MAINTAINED UNTIL THE SEEDING SEASON RETURNS AND SEEDING CAN BE PERFORMED IN ACCORDANCE WITH THESE SPECIFICATIONS.
 - WHEN STRAW MULCH IS USED, IT SHALL BE SPREAD OVER ALL SEEDED AREAS AT THE RATE OF 2 TONS/ACRE. MULCH SHALL BE APPLIED TO A UNIFORM LOOSE DEPTH OF BETWEEN 1" AND 2". MULCH APPLIED SHALL ACHIEVE A UNIFORM DISTRIBUTION AND DEPTH SO THAT THE SOIL SURFACE NOT EXPOSED. IF A MULCH ANCHORING TOOL IS TO BE USED, THE RATE SHOULD BE INCREASED TO 2.5 TONS/ACRE.
 - WOOD CELLULOSE FIBER USED AS A MULCH SHALL BE APPLIED AT A NET DRY WEIGHT OF 1,500 LBS. PER ACRE. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER, AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LBS. OF WOOD CELLULOSE FIBER PER 100 GALLONS OF WATER.
 - SECURING STRAW MULCH (MULCH ANCHORING): MULCH ANCHORING SHALL BE PERFORMED IMMEDIATELY FOLLOWING MULCH APPLICATION TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS (LISTED BY PREFERENCE), DEPENDING UPON SIZE OF AREA AND EROSION HAZARD:
 - A MULCH ANCHORING TOOL IS A TRACTOR DRAWN IMPLEMENT DESIGNED TO PUNCH AND ANCHOR INTO THE SOIL SURFACE A MINIMUM OF TWO (2) INCHES. THIS PRACTICE IS MOST EFFECTIVE LARGE AREAS, BUT IS LIMITED TO FLATTER SLOPES WHERE EQUIPMENT CAN OPERATE SAFELY. IF USED ON SLOPING LANDS, THE TOOL SHOULD BE USED ON THE DOWN SLOPE.
 - WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. THE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 POUNDS/ACRE. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 POUNDS OF WOOD CELLULOSE FIBER PER 100 GALLONS OF WATER.
 - APPLICATION OF LIQUID BINDERS SHOULD BE HEAVIER AT THE EDGES WHERE WIND CATCHES MULCH, SUCH AS IN VALLEYS AND ON CRESTS OF BANKS. THE REMAINDER OF AREA SHOULD BE APPEAR UNIFORM AFTER BINDER APPLICATION. SYNTHETIC BINDERS – SUCH AS ACRYLIC DLR (AGRO-TACK), DCA-70, PETROSET, TERRA TACK II, TERRA TACK AR OR OTHER APPROVED EQUAL MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER TO ANCHOR MULCH.
 - LIGHTWEIGHT PLASTIC NETTING MAY BE STAPLED OVER THE MULCH ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. NETTING IS USUALLY AVAILABLE IN ROLLS 4' TO 15' FEET WIDE AND 300 TO 3,000 FEET LONG.
- INCREMENTAL STABILIZATION – CUT SLOPES
 - ALL CUT SLOPES SHALL BE DRESSED, PREPARED, SEEDED AND MULCHED AS THE WORK PROGRESSES. SLOPES SHALL BE EXCAVATED AND STABILIZED IN EQUAL INCREMENTS NOT TO EXCEED 15'.
 - CONSTRUCTION SEQUENCE (REFER TO FIGURE 3 BELOW):
 - EXCAVATE AND STABILIZE ALL TEMPORARY SWALES, SIDE DITCHES, OR BERMS THAT WILL BE USED TO CONVEY RUNOFF FROM THE EXCAVATION.
 - PER-FORM PHASE I EXCAVATION, DRESS, AND STABILIZE.
 - PERFORM PHASE 2 EXCAVATION, DRESS, AND STABILIZE. OVERSEED PHASE I AREAS AS NECESSARY.
 - PERFORM FINAL PHASE EXCAVATION, DRESS, AND STABILIZE. OVERSEED PREVIOUSLY SEEDER AREAS AS NECESSARY.
NOTE: ONCE EXCAVATION HAS BEGUN, THE OPERATION SHOULD BE CONTINUOUS FROM THROUGH THE COMPLETION OF TOPSOIL (IF REQUIRED) AND PERMANENT SEED AND MULCH. ANY INTERRUPTIONS IN THE OPERATION OR COMPLETING THE OPERATION OUT OF THE SEEDING SEASON WILL NECESSITATE THE APPLICATION OF TEMPORARY STABILIZATION.
- GRUBBING MULCH, ANY SEEDING
 - INCREMENTAL STABILIZATION OF EMBANKMENTS – FILL SLOPES
 - EMBANKMENTS SHALL BE CONSTRUCTED IN LIFTS AS PRESCRIBED ON THE PLANS.
 - SLOPES SHALL BE STABILIZED IMMEDIATELY WHEN THE VERTICAL HEIGHT OF THE MULTIPLE LIFTS REACHES 15', OR WHEN THE GRADING OPERATION CEASES AS PRESCRIBED IN THE PLANS.
 - AT THE END OF EACH DAY, TEMPORARY BERMS AND PIPE SLOPE DRAINS SHOULD BE CONSTRUCTED ALONG THE TOP EDGE OF THE EMBANKMENT TO INTERCEPT SURFACE RUNOFF AND CONVEY IT DOWN THE SLOPE IN A NON-EROSIVE MANNER TO A SEDIMENT TRAPPING DEVICE.
- CONSTRUCTION SEQUENCE: REFER TO FIGURE 4 (BELOW).
 - EXCAVATE AND STABILIZE ALL TEMPORARY SWALES, SIDE DITCHES, OR BERMS THAT WILL BE USED TO DIVERT RUNOFF AROUND THE FILL. CONSTRUCT SLOPE SILT FENCE ON LOW SIDE OF FILL AS SHOWN IN FIGURE 5. UNLESS OTHER METHODS SHOWN ON THE PLANS ADDRESS THIS AREA.
 - PLACE PHASE I EMBANKMENT, DRESS AND STABILIZE.
 - PLACE PHASE 2 EMBANKMENT, DRESS AND STABILIZE.
 - PLACE FINAL PHASE EMBANKMENT, DRESS AND STABILIZE. OVERSEED PREVIOUSLY SEEDER AREAS AS NECESSARY.
- NOTE: ONCE THE PLACEMENT OF FILL HAS BEGUN, THE OPERATION SHOULD BE CONTINUOUS FROM GRUBBING THROUGH THE COMPLETION OF GRADING (IF REQUIRED) AND PERMANENT SEED AND MULCH. ANY INTERRUPTIONS IN THE OPERATION OR COMPLETING THE OPERATION OUT OF THE SEEDING SEASON WILL NECESSITATE THE APPLICATION OF TEMPORARY STABILIZATION

PERMANENT SEEDING (FROM TABLE B.3)

HARDINESS ZONE: 7A (FROM TABLE B.3 MDE MANUAL)					FERTILIZER RATE (10–20–20)			
No.	SPECIES	APPLICATION RATE (lb/ac)	SEEDING DATES*	SEEDING DEPTHS	N	P205	K20	LIME RATE
9	TALL FESCUE	60	3/1–5/15; 8/15–10/15	1/4–1/2 IN	45 lb/ac (1.0 lb/1000 sq ft)	90 lb/ac (2 lb/1000 sq ft)	90 lb/ac (2 lb/1000 sq ft)	2 tons/ac (90 lb/1000 sq ft)
	KENTUCKY BLUEGRASS	40						
	PERENNIAL RYEGRASS	20						

SEDIMENT AND EROSION CONTROL NOTES

- ALL EROSION/SEDIMENT CONTROL MEASURES SHALL COMPLY WITH THE "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION IN ASSOCIATION WITH THE NATURAL RESOURCES CONSERVATION SERVICE AND THE MARYLAND ASSOCIATION OF SOIL CONSERVATION DISTRICTS (REFERENCED AS THE 2011 STANDARDS AND SPECS).
- AREAS THAT HAVE BEEN CLEARED AND/OR GRADED, BUT WILL NOT BE CONSTRUCTED ON OR PERMANENTLY VEGETATED FOR MORE THAN 7 DAYS (3 DAYS FOR SEDIMENT CONTROL MEASURES AND FOR STEEP MUST BE STABILIZED WITH MULCH OR TEMPORARY STABILIZATION. ANY AREAS THAT ARE IN TEMPORARY VEGETATION FOR OVER 6 MONTHS WILL NEED TO BE PERMANENTLY VEGETATED.
- FOR SPECIFICATIONS ON PERMANENT OR TEMPORARY STABILIZATION, SEE B-4-4 AND B-4-5.
- MULCHING ONLY IS RESTRICTED TO USE ON DISTURBED AREAS AS A TEMPORARY COVER WHERE VEGETATION IS NOT FEASIBLE OR WHERE SEEDING GERMINATION CANNOT BE COMPLETED BECAUSE OF WEATHER CONDITIONS. FOR SPECIFICATIONS SEE B-4-3, A.1-B.
- FOR SPECIFICATIONS ON THE STABILIZATION OF CUT AND FILL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL, SEE INCREMENTAL STABILIZATION B-4-1.
- THE EXISTING TOPSOIL FROM ON OR OFF SITE THAT IS USED MUST MEET THE MINIMUM SPECIFICATION IN B-4-2.
- THE REQUIRED SEQUENCE OF CONSTRUCTION MUST BE FOLLOWED DURING SITE DEVELOPMENT. ANY CHANGES IN THE SEQUENCE OF CONSTRUCTION MUST BE APPROVED BY THE SOIL CONSERVATION DISTRICT.
- ANY REVISIONS TO THE SEDIMENT CONTROL PLAN, NOT COVERED UNDER THE LIST OF PLAN MODIFICATIONS THAT CAN BE APPROVED BY THE SEDIMENT CONTROL INSPECTOR, NEED TO BE SUBMITTED TO THE SOIL CONSERVATION DISTRICT FOR APPROVAL.
- NO PROPOSED SLOPE THAT IS REQUIRED TO BE SEEDERD AND/OR MULCHED SHALL BE STEEPER THAN 2:1. SLOPES STEEPER THEN 2:1 SHALL REQUIRE A ENGINEERED DESIGN FOR STABILIZATION.
- ALL SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED ONCE A WEEK AND AFTER EACH RAINFALL AND WILL BE REPAIRED, AS NEEDED, SO THAT THE STRUCTURE MEETS THE MINIMUM SPECIFICATIONS AS SHOWN IN THE 2011 STANDARDS AND SPECS.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SEDIMENT AND EROSION CONTROL MEASURES UNTIL THE DISTURBED AREAS ARE PERMANENTLY STABILIZED.
- THE DISTRICT APPROVAL FOR THIS SEDIMENT CONTROL PLAN IS GOOD FOR 2 YEARS. AT THE END OF 2 YEARS, IF CONSTRUCTION OF THE PLAN HAS NOT STARTED, THE PLAN WILL NEED TO BE RESUBMITTED TO THE SOIL CONSERVATION DISTRICT FOR REVIEW AND RE-APPROVAL. ANY PLANS THAT ARE CURRENTLY UNDER CONSTRUCTION AFTER 2 YEARS MAY BE REQUIRED TO BE RESUBMITTED TO THE SOIL CONSERVATION DISTRICT BY THE SEDIMENT CONTROL INSPECTOR

PERMANENT SEEDING NOTES

- SCOPE: PLANTING PERMANENT, LONG LIVED VEGETATIVE COVER ON GRADED AND/OR CLEARED AREAS AND AREAS THAT HAVE BEEN IN TEMPORARY VEGETATION FOR MORE THAN 6 MONTHS.
- STANDARDS: THE FOLLOWING NOTES SHALL CONFORM TO SECTION B-4 OF THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" PUBLISHED JOINTLY BY THE MARYLAND DEPARTMENT OF ENVIRONMENT – WATER MANAGEMENT ADMINISTRATION, THE NATIONAL RESOURCE CONSERVATION SERVICE AND THE MARYLAND ASSOCIATION OF SOIL CONSERVATION DISTRICTS.
- THE SEED BED SHALL BE PREPARED BY LOOSENING THE SOIL TO A DEPTH OF 3 TO 5 INCHES AND INCORPORATING THE LIME AND FERTILIZER INTO THIS LOOSENEED LAYER OF SOIL. SEE SECTION B-4-2.
- FOR SITES OVER 5 AC. SOIL TESTS WILL BE PERFORMED. SOIL TESTS WILL BE CONDUCTED BY THE UNIVERSITY OF MARYLAND OR A RECOGNIZED COMMERCIAL LABORATORY. MINIMUM SOIL CONDITIONS SHALL MEET THE REQUIREMENTS OF SECTION B-4-2-A-2-A. OTHERWISE SOIL AMENDMENTS OR TOPSOIL WILL NEED TO BE APPLIED. TOPSOILING MAY OCCUR WHEN SOIL CONDITIONS MEET THE MINIMUM REQUIREMENTS AS STATED IN SECTION B-4-2-B. SOIL AMENDMENTS MUST MEET THE REQUIREMENTS AS SET FORTH IN SECTION B-4-2-C AND MUST BE APPLIED AS INDICATED BY THE SOILS TESTS.
 - * K20 = 90 LB. PER ACRE (2 LB. PER 1000 SQ.FT.)
- LIME SHALL BE APPLIED AT A RATE OF 2 TONS PER ACRE (90 LB. PER 1000 SQ.FT.).
- SEED TYPE, TURFGRASS OR SOD APPLICATION SHALL MEET THE REQUIREMENTS IN SECTION B-4-5. SEED TAGS SHALL BE MADE AVAILABLE TO THE INSPECTOR TO VERIFY THE TYPE AND APPLICATION RATE OF SEED USED. MULCH TYPE AND ITS APPLICATION WILL MEET THE REQUIREMENTS IN SECTION B-4-3 A, B AND C, AND WILL BE APPLIED ALONG WITH SEED OR IMMEDIATELY AFTER SEEDING

TEMPORARY SEEDING NOTES

- SCOPE: PLANTING SHORT TERM (NO MORE THAN 6 MONTHS) VEGETATION TO TEMPORARILY STABILIZE ANY AREAS WHERE SOIL DISTURBANCE HAS OCCURRED, UNTIL THE AREA CAN BE PERMANENTLY STABILIZED WITH VEGETATIVE OR NON-VEGETATIVE PRACTICES.
- TANDARDS: THE FOLLOWING NOTES SHALL CONFORM TO SECTION B-4 OF THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" PUBLISHED JOINTLY BY THE MARYLAND DEPARTMENT OF ENVIRONMENT – WATER MANAGEMENT ADMINISTRATION, THE NATIONAL RESOURCE CONSERVATION SERVICE AND THE MARYLAND ASSOCIATION OF SOIL CONSERVATION DISTRICTS.
- THE SEED BED SHALL BE PREPARED BY LOOSENING THE SOIL TO A DEPTH OF 3 TO 5 INCHES AND INCORPORATING THE LIME AND FERTILIZER INTO THIS LOOSENEED LAYER OF SOIL. SEE SECTION B-4-2.
- FOR TEMPORARY STABILIZATION, FERTILIZER SHALL CONSIST OF A MIXTURE OF 10-20-20 AND BE APPLIED AT A RATE OF 436 LB. PER ACRE (10 LB. PER 1000 SQ. FT.) AND WILL MEET THE REQUIREMENTS IN SECTION B-4-2.
- LIME SHALL BE APPLIED AT A RATE OF 2 TONS PER ACRE (90 LB. PER SQ. FT.) AND SHALL MEET THE REQUIREMENTS IN SECTION B-4-2 AND B-4-4.
- SEED TYPE AND APPLICATION SHALL MEET THE REQUIREMENTS IN SECTION B-4-3. SEED TAGS SHALL BE MADE AVAILABLE TO THE INSPECTOR TO VERIFY THE TYPE AND RATE OF SEED USED. MULCH TYPE AND ITS APPLICATION WILL MEET THE REQUIREMENTS IN SECTION B-4-3 A, B AND C AND WILL BE APPLIED ALONG WITH THE SEED OR IMMEDIATELY AFTER SEEDING.


CLARK | AZAR & ASSOCIATES
20501 Seneca Meadows Parkway, St 230
Germantown, MD. 20876
(301) 528-2010
www.clarkazar.com
A Woman Owned Small Business




OWNER/DEVELOPER:
BOARD OF EDUCATION, CARROLL COUNTY
CROWELL COUNTY PUBLIC SCHOOLS
125 N. COURT ST.
WESTMINSTER, MD 21157
C/O BILL GANE
WCANEC@CARROLLK12.ORG
410-386-1817

RUNNYMEDE ELEMENTARY SCHOOL
PRE-K ADDITION
3000 LANGDON DRIVE,
WESTMINSTER, MD 21158
ELECTION DISTRICT 02
EXISTING/PROPOSED USE: ELEMENTARY SCHOOL

PROJECT NO:	841449
DATE:	AUGUST 29, 2025
REVISIONS	
DATE	DESCRIPTION

EROSION AND SEDIMENT CONTROL NOTES

COUNTY FILE: S-24-0028
SHEET 13 OF 13

PROFESSIONAL CERTIFICATION:
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED