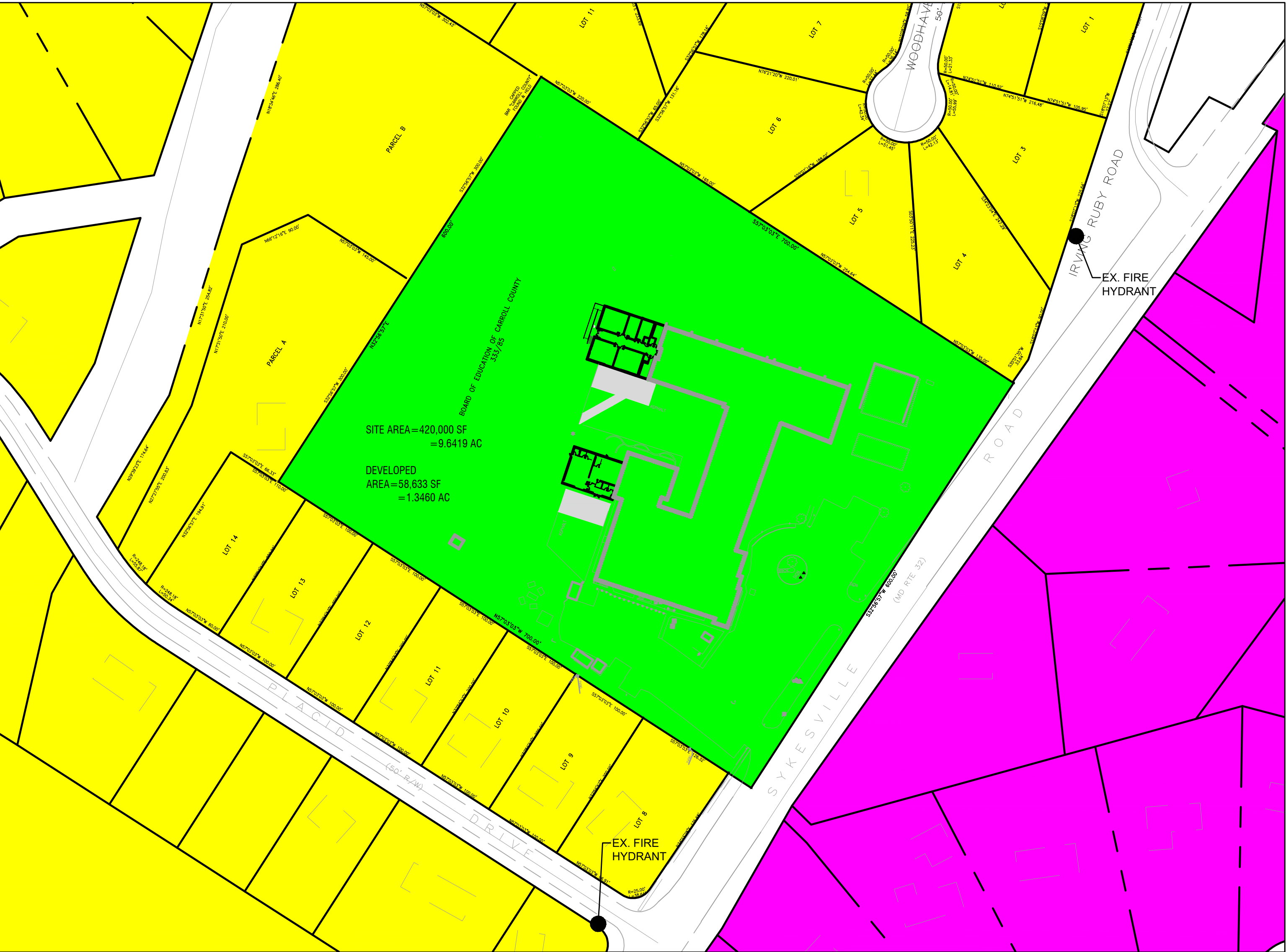


FREEDOM ELEMENTARY SCHOOL

CLASSROOM ADDITION

CARROLL COUNTY PUBLIC SCHOOLS



ZONING LEGEND

Green	CONSERVATION
Yellow	R-20,000
Magenta	R-40,000

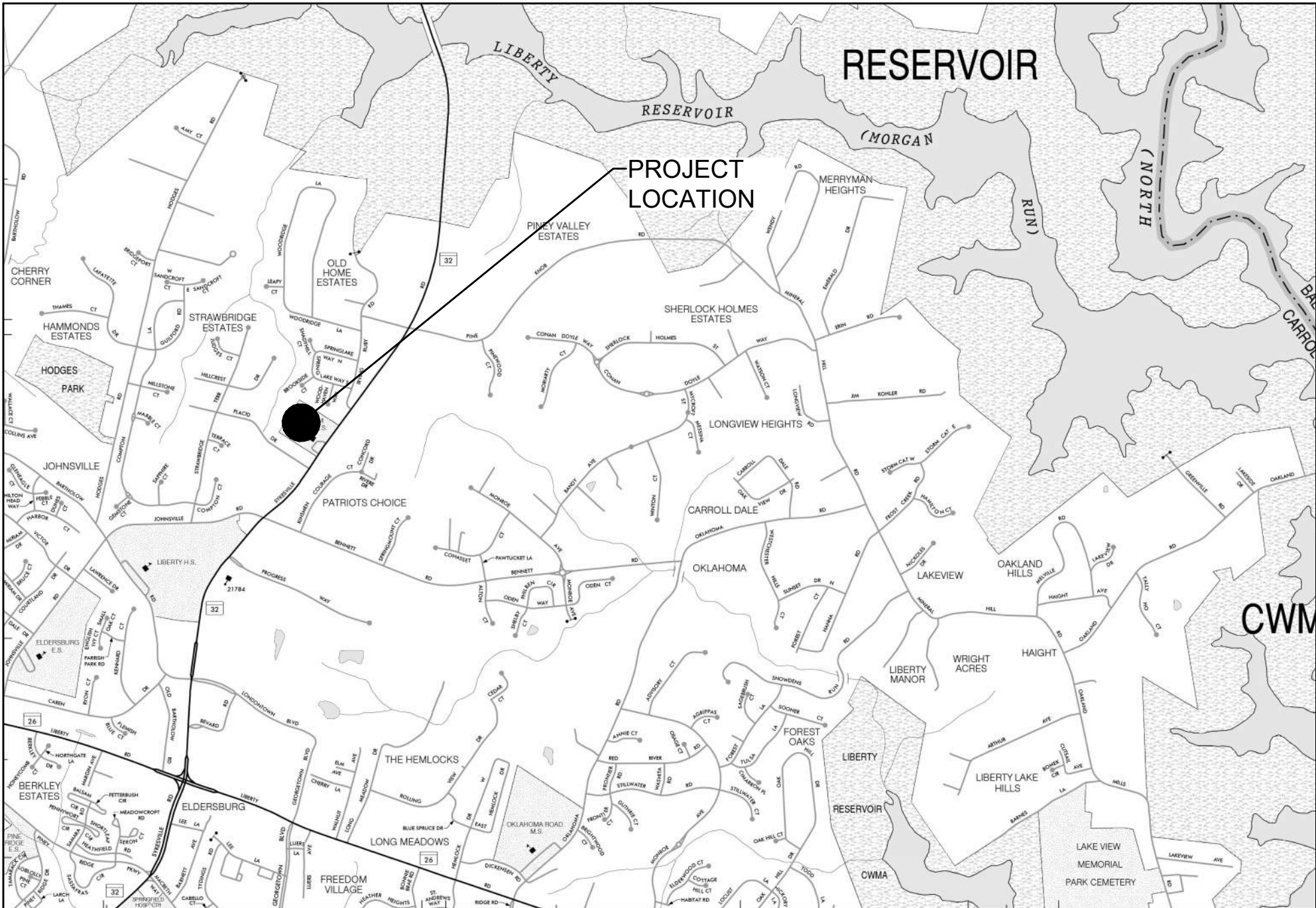
2 OVERALL SITE PLAN AND ZONING MAP

SCALE: 1"=100'

EXISTING FACULTY AND STAFF:
EXISTING STUDENTS:
PROPOSED FACULTY AND STAFF:
PROPOSED STUDENTS:

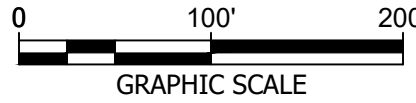
GENERAL NOTES

- 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
- ADDRESS: FREEDOM ELEMENTARY SCHOOL
5626 SYKESVILLE ROAD
SYKESVILLE, MD 21784
- MAP GRID: 68 BLOCK: 24 PARCEL: 51
- ELECTION DISTRICT: 5
- ZONING: CONSERVATION
- SITE AREA: 9.6419 AC
- DEVELOPED AREA: 58,633 SF
- FIRE PROTECTION WATER SUPPLY: EXISTING FIRE HYDRANT ON-SITE
- TAX ACCOUNT ID: 003210
- TOPOGRAPHY SURVEY PERFORMED BY DIETZ SURVEYING INC., DATED JANUARY 2025.
- THE HORIZONTAL DATUM OF THIS SURVEY IS MARYLAND STATE PLANE (NAD83-2011), AS ESTABLISHED BY GPS OBSERVATION. THE COMBINED FACTOR IS 0.99997699.
- THE VERTICAL DATUM OF THIS SURVEY IS NAVD 88
- THE LOCATION OF UNDERGROUND UTILITIES IS BASED ON UTILITY LOCATING PROVIDED BY AI DATA DATED FEBRUARY 2025. 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.
- NRCS WEB SOIL SURVEY IDENTIFIES SOILS AT THIS SITE AS BRINKLOW CHANNERY LOAM (HSG "C"), GLENELG LOAM (HSG "B"), AND GLENELG-URBAN LAND COMPLEX (HSG "B"), AND URBAN LAND-UDORTHEMIS COMPLEX (HSG "D")
- THERE IS NO MAPPED FLOODPLAIN ASSOCIATED WITH THIS SITE PER FEMA FLOOD INSURANCE RATE MAP NUMBER 24013C0312D, DATED OCT. 2, 2015.
- DETAIL DRAWINGS AND SCHEDULES DESCRIBE CONSTRUCTION AT GIVEN AREAS. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL UTILIZE EQUIVALENT CONSTRUCTION METHODS IN ALL AREAS NOT DETAILED.
- ALL NOTES ON DRAWINGS SHALL BE ASSUMED AS TYPICAL, UNLESS OTHERWISE SHOWN OR NOTED ON THE DRAWINGS.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL TRADE PERMITS AND PAY FEES ASSOCIATED WITH SAID PERMITS.
- 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.



1 VICINITY MAP

SCALE: 1"=2000'



CC FILE # S-24-0034

PROJECT NAME
**FREEDOM ELEMENTARY
SCHOOL - ADDITION**

PROJECT ADDRESS
5626 Sykesville Rd. Sykesville, MD 21784

DC Project No. 24-P-0490

Owner Project No. XXXX

OWNER / DEVELOPER
**CARROLL COUNTY
PUBLIC SCHOOLS**

PROJECT SUBMISSION

SCHEMATIC DESIGN SET

REVISION#	ISSUED FOR	DATE
1	SCHEMATIC DESIGN	11/01/2024
2	DESIGN DEVELOPMENT	03/21/2025

**Design
Collective**

601 East Pratt Street, Suite 300
Baltimore, Maryland 21202
P 410 685 9551 | www.designcollective.com

ARCHITECTURE PLANNING INTERIORS
LANDSCAPE ARCHITECTURE GRAPHICS

DESIGN COLLECTIVE, INC. ALL RIGHTS RESERVED

CONSULTANT



KEY PLAN
CLARK | AZAR & ASSOCIATES

EX. USE: EDUCATION
PROP. USE: EDUCATION
TOWN: NONE
ELECTION DISTRICT: 5
COUNTY: CARROLL COUNTY
STATE: MARYLAND

OWNER: BOARD OF EDUCATION OF CARROLL COUNTY
125 N. COURT STREET, WESTMINSTER, MD 21157

DEVELOPER: CARROLL COUNTY PUBLIC SCHOOLS
125 N. COURT STREET, WESTMINSTER, MD 21157
WILLIAM CAINE, WECAINE@CARROLLK12.ORG, 410-386-1817

SEAL



3/31/2025

AFFIRMATION

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

LICENSE NO. 31168

EXPIRATION DATE: 01/12/2027

SHEET TITLE

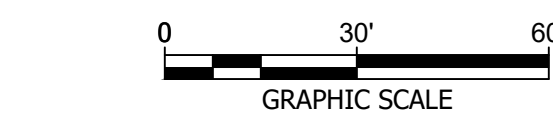
COVER SHEET

SCALE: SEE PLAN

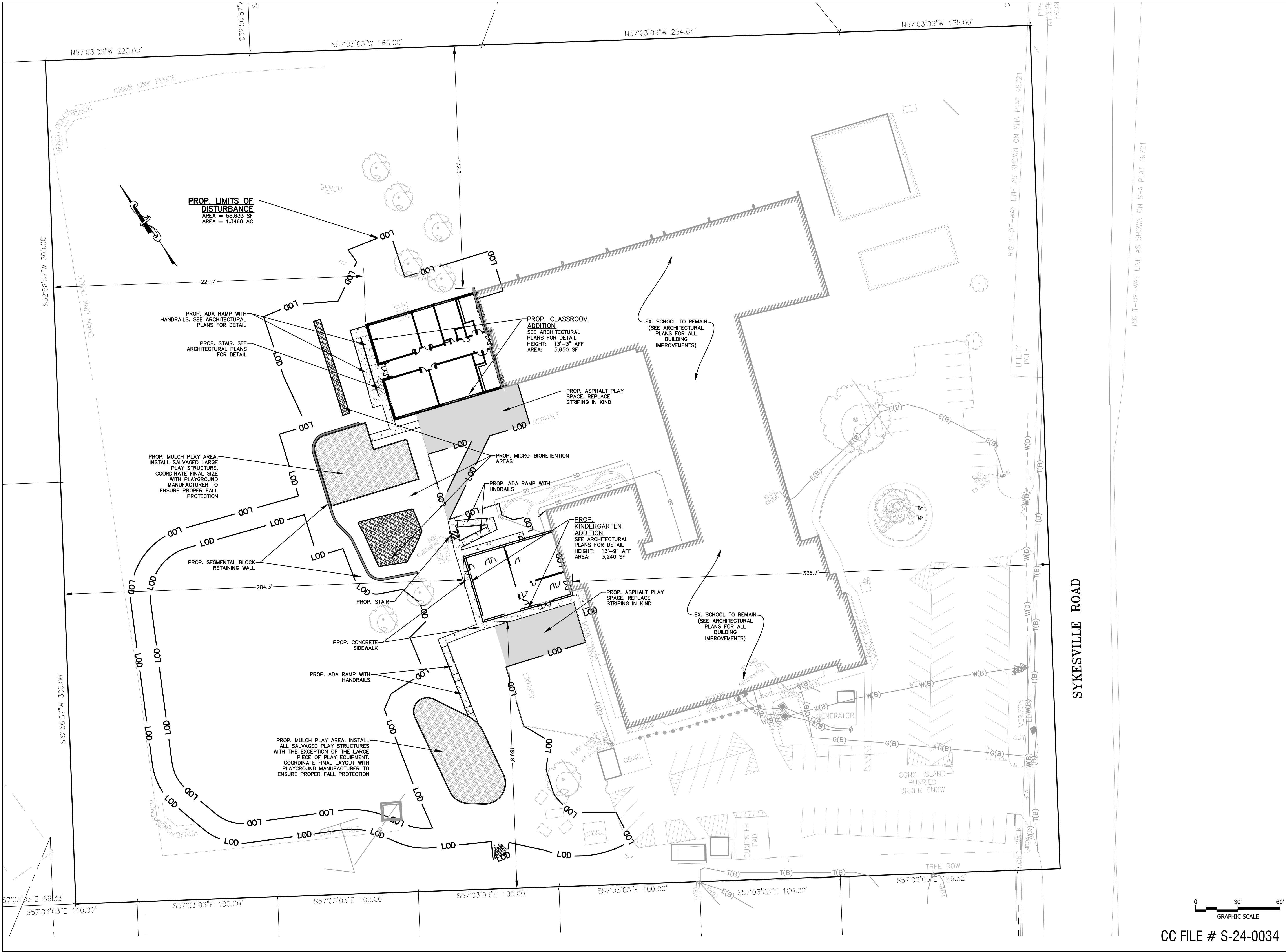
SHEET NUMBER

C001

SHEET 1 OF 18



SHEET 2 OF 18



PROJECT NAME
**FREEDOM ELEMENTARY
SCHOOL - ADDITION**

PROJECT ADDRESS
5626 Sykesville Rd. Sykesville, MD 21784

DC Project No. 24-P-0490

Owner Project No. XXXX

OWNER / DEVELOPER
**CARROLL COUNTY
PUBLIC SCHOOLS**

PROJECT SUBMISSION

SCHEMATIC DESIGN SET

REVISION#	ISSUED FOR	DATE
1	SCHEMATIC DESIGN	11/01/2024
2	DESIGN DEVELOPMENT	03/21/2025

**Design
Collective**

601 East Pratt Street, Suite 300
Baltimore, Maryland 21202
P 410 685 9555 | www.designcollective.com

ARCHITECTURE PLANNING INTERIORS
LANDSCAPE ARCHITECTURE GRAPHICS

DESIGN COLLECTIVE, INC. ALL RIGHTS RESERVED

CONSULTANT



20501 Seneca Meadows Pkwy, Suite 230
Germantown, MD 20876
T (301) 528-2010
www.clarkazar.com
A Woman Owned Small Business

KEY PLAN
CLARK | AZAR & ASSOCIATES

EX. USE: EDUCATION
PROP. USE: EDUCATION
TOWN: NONE
ELECTION DISTRICT: 5
COUNTY: CARROLL COUNTY
STATE: MARYLAND

OWNER: BOARD OF EDUCATION OF CARROLL COUNTY
125 N. COURT STREET, WESTMINSTER, MD 21157

DEVELOPER: CARROLL COUNTY PUBLIC SCHOOLS
125 N. COURT STREET, WESTMINSTER, MD 21157
WILLIAM CAINE, WECAINE@CARROLLK12.ORG, 410-386-1817

SEAL



3/31/2025

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

LICENSE NO. 31168

EXPIRATION DATE: 01/12/2027

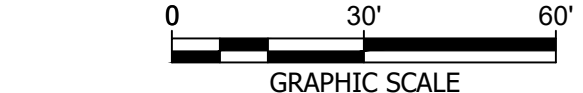
SHEET TITLE
SITE PLAN

SCALE: SEE PLAN

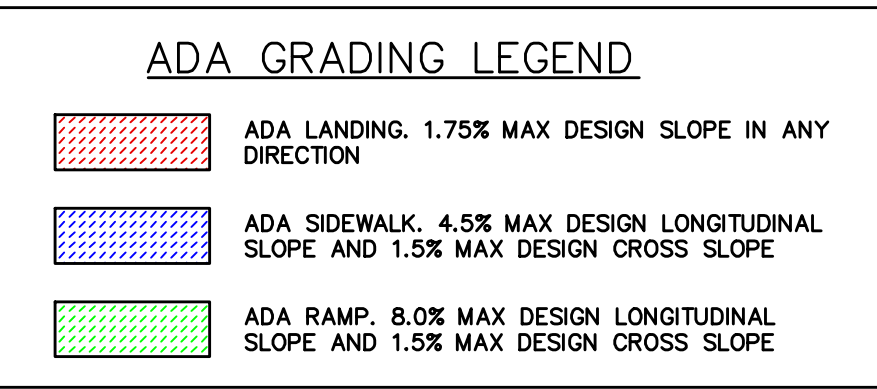
SHEET NUMBER

C200

SHEET 3 OF 18



CC FILE # S-24-0034



CC FILE # S-24-0034



PROJECT NAME
**FREEDOM ELEMENTARY
SCHOOL - ADDITION**

PROJECT ADDRESS
5626 Sykesville Rd. Sykesville, MD 21784

DC Project No. 24-P-0490

Owner Project No. XXXX

OWNER / DEVELOPER
**CARROLL COUNTY
PUBLIC SCHOOLS**

PROJECT SUBMISSION

SCHEMATIC DESIGN SET

REVISION#	ISSUED FOR	DATE
1	SCHEMATIC DESIGN	11/01/2024
2	DESIGN DEVELOPMENT	03/21/2025

ADA GRADING NOTE:
ALL ADA GRADING WILL BE STRICTLY ENFORCED. ANY VARIANCE OUTSIDE THE LIMITS NOTED BELOW FOR ALL ADA AREAS NOTED ON THIS SHEET WILL NOT BE ACCEPTED BY CCPS. EACH PANEL WILL BE MEASURED WITH A 2' SMART LEVEL PER DOJ REQUIREMENTS

ADA SIDEWALK: 5% MAX LONGITUDINAL SLOPE AND 2% MAX CROSS SLOPE

ADA LANDING: 2% MAX SLOPE IN ANY DIRECTION

ADA RAMP: 8.3% MAX LONGITUDINAL SLOPE AND 2% MAX CROSS SLOPE.

MINIMUM SLOPES:
CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE ACROSS SITE. ALL SITE GRADING SHALL PROVIDE A MINIMUM SLOPE IN AT LEAST ONE DIRECTION UNLESS OTHERWISE NOTED. BELOW ARE THE MINIMUM SLOPE REQUIREMENTS:

GRASS: 1.0%
ASPHALT: 0.7%
CONCRETE: 0.5%

PONDING OF WATER SHALL BE RESTRICTED OUTSIDE OF STORMWATER MANAGEMENT PRACTICES

COMPACTION NOTE:
GEOTECHNICAL ENGINEER SHALL CONFIRM PROPER COMPACTION IN ALL AREAS OF FILL TO PREVENT UNEVEN SETTLEMENT BETWEEN AREAS OF FILL AND AREAS OF CUT ACROSS SITE, TYP.

HANDRAIL NOTE:
ALL ADA RAMPS WITH TOTAL VERTICAL RISE GREATER THAN 6" REQUIRES THE INSTALLATION OF HANDRAILS ON BOTH SIDES OF RAMP. ANY RAMP WITH TOTAL VERTICAL RISE EQUAL TO OR LESS THAN 6" DOES NOT REQUIRE HANDRAILS.

ADA GRADING LEGEND

	ADA LANDING. 1.75% MAX DESIGN SLOPE IN ANY DIRECTION
	ADA SIDEWALK. 4.5% MAX DESIGN LONGITUDINAL SLOPE AND 1.5% MAX DESIGN CROSS SLOPE
	ADA RAMP. 8.0% MAX DESIGN LONGITUDINAL SLOPE AND 1.5% MAX DESIGN CROSS SLOPE

0 10' 20'
GRAPHIC SCALE

CC FILE # S-24-0034

Design Collective

601 East Pratt Street, Suite 300
Baltimore, Maryland 21202
P 410 685 9551 | www.designcollective.com

ARCHITECTURE PLANNING INTERIORS
LANDSCAPE ARCHITECTURE GRAPHICS

DESIGN COLLECTIVE, INC. ALL RIGHTS RESERVED

CONSULTANT

CLARK | AZAR & ASSOCIATES

20501 Seneca Meadows Pkwy, Suite 230
Germantown, MD 20876
T(301) 528-2010
www.clarkazar.com
A Woman Owned Small Business

KEY PLAN

EX. USE: EDUCATION
PROP. USE: EDUCATION
TOWN: NONE
ELECTION DISTRICT: 5
COUNTY: CARROLL COUNTY
STATE: MARYLAND

OWNER: BOARD OF EDUCATION OF CARROLL COUNTY
125 N. COURT STREET, WESTMINSTER, MD 21157

DEVELOPER: CARROLL COUNTY PUBLIC SCHOOLS
125 N. COURT STREET, WESTMINSTER, MD 21157
WILLIAM CAINE, WCAINE@CARROLLK12.ORG, 410-386-1817

SEAL

AFFIRMATION

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

LICENSE NO. 31168

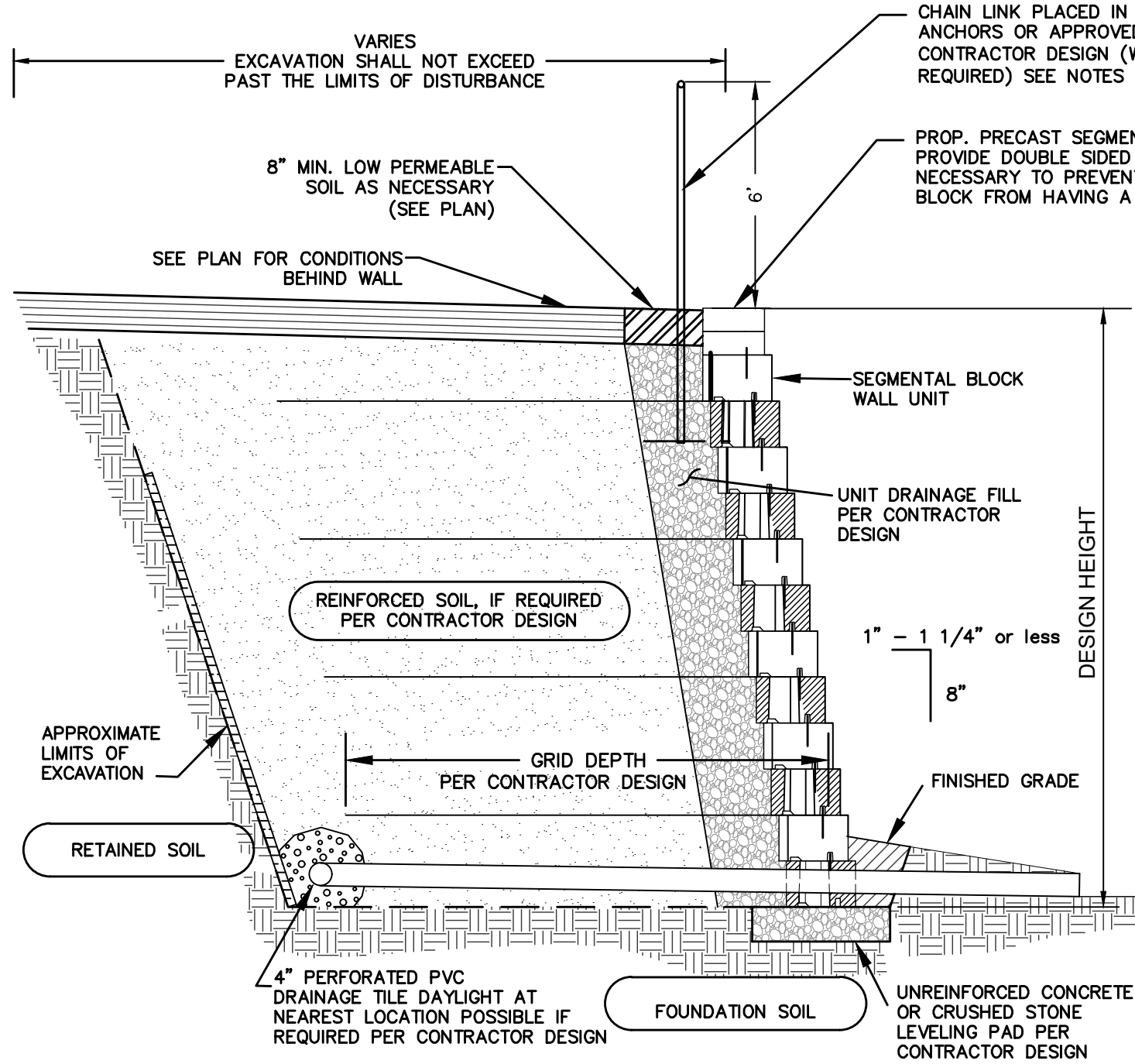
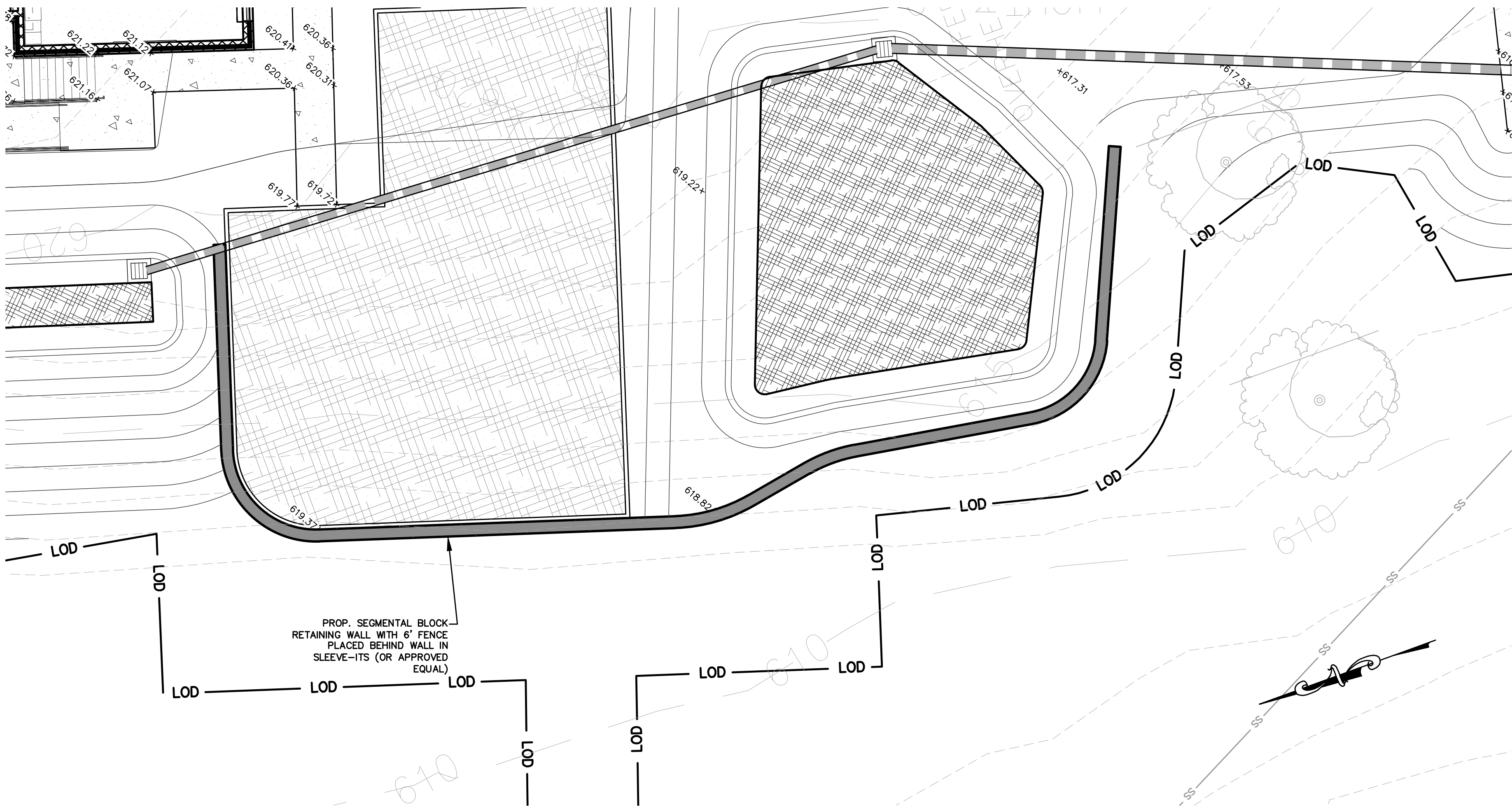
EXPIRATION DATE: 01/12/2027

SHEET TITLE
GRADING PLAN

SCALE: SEE PLAN

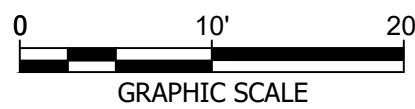
SHEET NUMBER
C221

SHEET 6 OF 18



- NOTES:
1. PROVIDE KEYSTONE WALL OR APPROVED EQUAL. CONTRACTOR SHALL SUBMIT PRODUCT DATA TO OWNER FOR REVIEW PRIOR TO USING ANOTHER PRODUCT.
 2. PROVIDE CERTIFIED SHOP DRAWINGS STAMPED BY A MD. LICENSED PROFESSIONAL ENGINEER FOR ALL SEGMENTAL BLOCK WALLS AND FOR THE FENCE TO THE OWNERS/ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE ORDERING OF MATERIALS AND PRIOR OF INSTALLATION.
 3. INSTALL WALL PER MANUFACTURERS CONSTRUCTION DETAILS AND CONTRACTORS DESIGN.
 4. THIS DETAIL IS FOR INFORMATION ONLY. FOLLOW MANUFACTURERS RECOMMENDED INSTALLATION.
 5. PROCEDURES, INSTALLATION PROCEDURES CAN BE OBTAINED AT WWW.KEYSTONEWALLS.COM OR FROM THE SELECTED MANUFACTURER.
 6. WHEN SITE CONDITIONS REQUIRE, WRAP DRAINAGE TILE IN 3/4" AGGREGATE AND FILTER FABRIC WITH DRAINAGE COMPOSITE OR AGGREGATE BACK DRAIN SYSTEM, AS DIRECTED BY GEOTECHNICAL ENGINEER.
 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING REQUIRED PERMITS FOR ALL RETAINING WALLS ON THE SITE IF NECESSARY.
 8. CONTRACTOR TO ADJUST GEOGRID REINFORCEMENT AROUND LIGHT POLE BASES OR OTHER OBSTRUCTIONS WHERE APPLICABLE.
 9. CONTRACTORS DESIGN MUST ACCOUNT FOR CONDITIONS BEHIND WALL SUCH AS SLOPES, SURCHARGE FROM VEHICLES, ETC.

11 SEGMENTAL BLOCK RETAINING WALL DETAIL
NOT TO SCALE



CC FILE # S-24-0034

PROJECT NAME
**FREEDOM ELEMENTARY
SCHOOL - ADDITION**

PROJECT ADDRESS
5626 Sykesville Rd. Sykesville, MD 21784

DC Project No. 24-P-0490

Owner Project No. XXXX

OWNER / DEVELOPER
**CARROLL COUNTY
PUBLIC SCHOOLS**

PROJECT SUBMISSION

SCHEMATIC DESIGN SET

REVISION#	ISSUED FOR	DATE
1	SCHEMATIC DESIGN	11/01/2024
2	DESIGN DEVELOPMENT	03/21/2025

Design Collective

601 East Pratt Street, Suite 300
Baltimore, Maryland 21202
P 410 685 9551 | www.designcollective.com

ARCHITECTURE PLANNING INTERIORS
LANDSCAPE ARCHITECTURE GRAPHICS

DESIGN COLLECTIVE, INC. ALL RIGHTS RESERVED

CONSULTANT



KEY PLAN
CLARK | AZAR & ASSOCIATES

EX. USE: EDUCATION
PROP. USE: EDUCATION
TOWN: NONE
ELECTION DISTRICT: 5
COUNTY: CARROLL COUNTY
STATE: MARYLAND

OWNER: BOARD OF EDUCATION OF CARROLL COUNTY
125 N. COURT STREET, WESTMINSTER, MD 21157

DEVELOPER: CARROLL COUNTY PUBLIC SCHOOLS
125 N. COURT STREET, WESTMINSTER, MD 21157
WILLIAM CAINE, WCAINE@CARROLLK12.ORG, 410-386-1817

SEAL



3/31/2025

AFFIRMATION

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

LICENSE NO. 31168

EXPIRATION DATE: 01/12/2027

SHEET TITLE

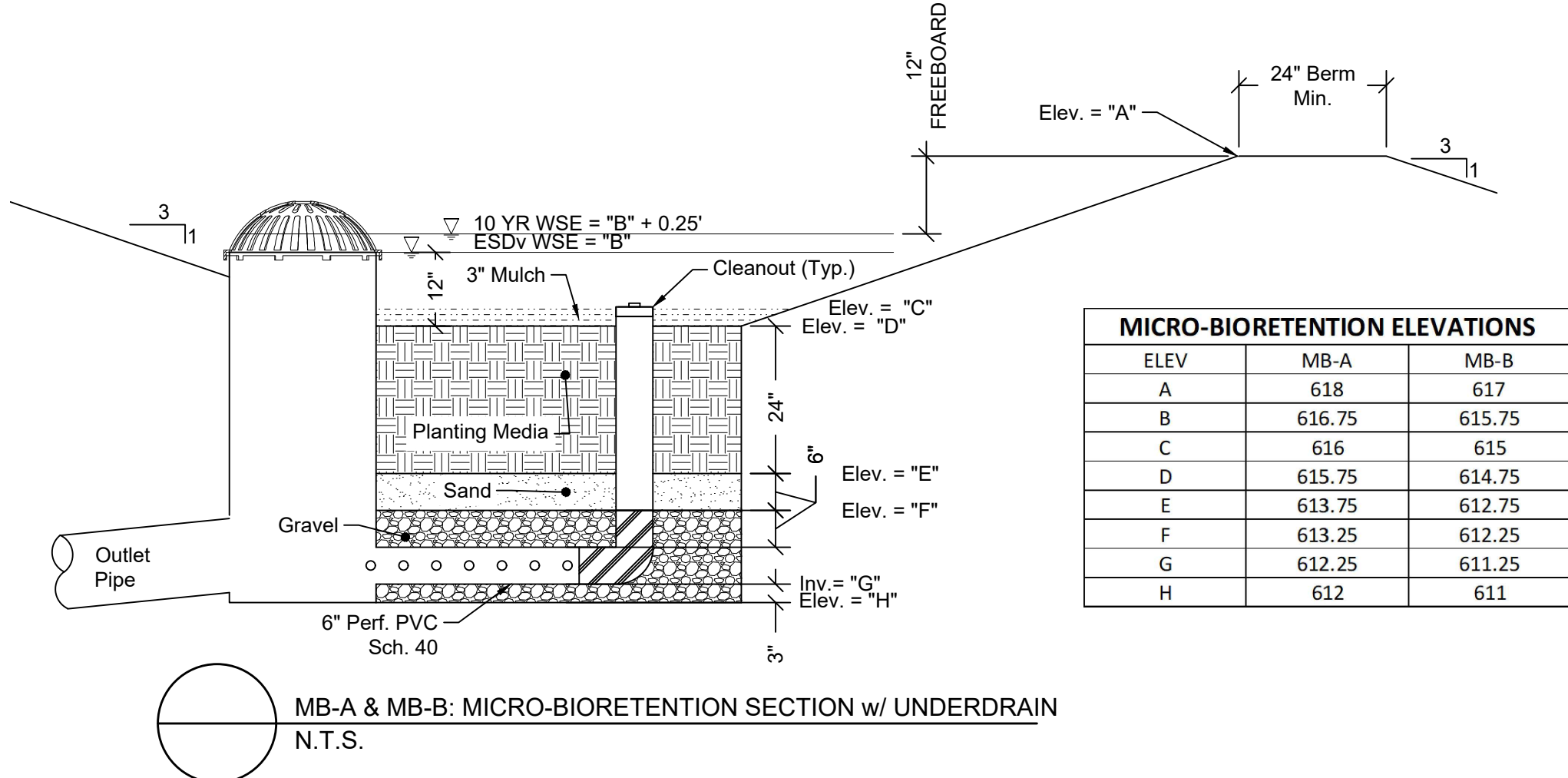
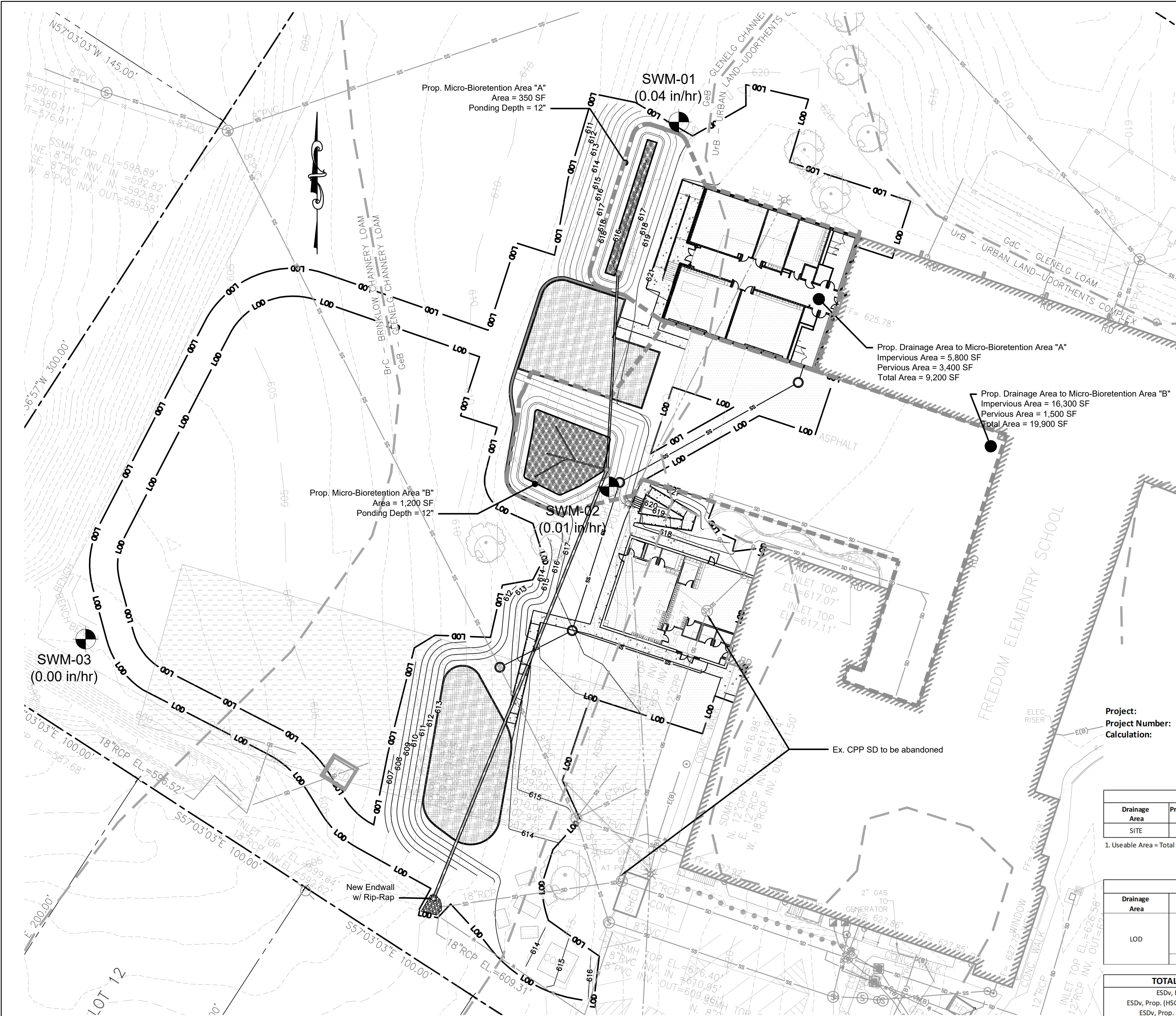
RETAINING WALL PLAN

SCALE: SEE PLAN

SHEET NUMBER

C230

SHEET 7 OF 18



MICRO-BIORETENTION ELEVATIONS		
ELEV	MB-A	MB-B
A	618	617
B	616.75	615.75
C	616	615
D	615.75	614.75
E	613.75	612.75
F	613.25	612.25
G	612.25	611.25
H	612	611



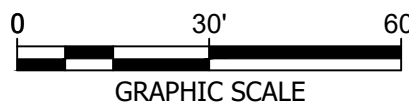
Project: Freedom Elementary School
Project Number: Area Summary & ESDv Required Calculations
Date: 2/19/2025
Calculated by: PCW
Reviewed by:

EXISTING Property Area Summary for ESDv Computations					
Drainage Area	Property Area ¹ (sf)	Useable Area ¹ (sf)	Total Pre-Development Impervious Area (sf)	% Impervious (Useable Area)	New or Re Development
SITE	420,000	328,470	140,124	42.7%	REDEV

1. Useable Area = Total property area minus unusable area including Forest Retained, Afforestation Area, and Septic Field A

REDEVELOPMENT ESD COMPUTATIONS FOR LOD ONLY									
Drainage Area	LOD Area SF (Ac.)	Total Pre-Development IA, SF (Ac.)	Total Post Development IA, SF (Ac.)	Net Increase IA, SF (Ac.)	Prop. % IA	Prop. LOD Rv	ESDv, Existing, CF	HSG	ESDv, Proposed, CF
LOD	58,633	9,700	21,700	12,000	37.0%	0.383	384	A & B	1,750
	(1.35)	(0.22)	(0.50)	(0.28)				C	165
								D	350

TOTAL ESDv REQUIRED		TOTAL ESDv PROVIDED	
ESDv, Existing, CF =	384	BMP	ESDv (cf)
ESDv, Prop. (HSG A & B), CF =	1,750	MB-A	780
ESDv, Prop. (HSG C), CF =	165	MB-B	1900
ESDv, Prop. (HSG D), CF =	350	TOTAL ESDv =	2680
TOTAL ESDv Required =	2,649	PE Provided =	1.43
PE Required =	1.42		



CC FILE # S-24-0034

PROJECT NAME
FREEDOM ELEMENTARY SCHOOL - ADDITION

PROJECT ADDRESS
5626 Sykesville Rd. Sykesville, MD 21784

DC Project No. 24-P-0490

Owner Project No. XXXX

OWNER / DEVELOPER
CARROLL COUNTY PUBLIC SCHOOLS

PROJECT SUBMISSION

SCHEMATIC DESIGN SET

REVISION#	ISSUED FOR	DATE
1	SCHEMATIC DESIGN	11/01/2024
2	DESIGN DEVELOPMENT	03/21/2025

Design Collective

601 East Pratt Street, Suite 300
Baltimore, Maryland 21202
P 410 685 9555 | www.designcollective.com

ARCHITECTURE PLANNING INTERIORS
LANDSCAPE ARCHITECTURE GRAPHICS

DESIGN COLLECTIVE, INC. ALL RIGHTS RESERVED

CONSULTANT



KEY PLAN
CLARK | AZAR & ASSOCIATES

EX. USE: EDUCATION
PROP. USE: EDUCATION
TOWN: NONE
ELECTION DISTRICT: 5
COUNTY: CARROLL COUNTY
STATE: MARYLAND

OWNER: BOARD OF EDUCATION OF CARROLL COUNTY
125 N. COURT STREET, WESTMINSTER, MD 21157

DEVELOPER: CARROLL COUNTY PUBLIC SCHOOLS
125 N. COURT STREET, WESTMINSTER, MD 21157
WILLIAM CAINE, WECAINE@CARROLLK12.ORG, 410-386-1817

SEAL



3/31/2025

AFFIRMATION

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

LICENSE NO. 31168

EXPIRATION DATE: 01/12/2027

SHEET TITLE

STORMWATER MANAGEMENT PLAN

SCALE: SEE PLAN

SHEET NUMBER

C300

SHEET 8 OF 18



PROJECT NAME
**FREEDOM ELEMENTARY
SCHOOL - ADDITION**

PROJECT ADDRESS
5626 Sykesville Rd. Sykesville, MD 21784

DC Project No. 24-P-0490

Owner Project No. XXXX

OWNER / DEVELOPER
**CARROLL COUNTY
PUBLIC SCHOOLS**

PROJECT SUBMISSION

SCHEMATIC DESIGN SET

REVISION#	ISSUED FOR	DATE
1	SCHEMATIC DESIGN	11/01/2024
2	DESIGN DEVELOPMENT	03/21/2025

**Design
Collective**

601 East Pratt Street, Suite 300
Baltimore, Maryland 21202
P 410 685 9555 | www.designcollective.com

ARCHITECTURE PLANNING INTERIORS
LANDSCAPE ARCHITECTURE GRAPHICS

DESIGN COLLECTIVE, INC. ALL RIGHTS RESERVED

CONSULTANT



20501 Seneca Meadows Pkwy, Suite 230
Germantown, MD 20876
T(301) 528-2010
www.clarkazar.com
A Woman Owned Small Business

KEY PLAN
CLARK | AZAR & ASSOCIATES

EX. USE: EDUCATION
PROP. USE: EDUCATION
TOWN: NONE
ELECTION DISTRICT: 5
COUNTY: CARROLL COUNTY
STATE: MARYLAND

OWNER: BOARD OF EDUCATION OF CARROLL COUNTY
125 N. COURT STREET, WESTMINSTER, MD 21157

DEVELOPER: CARROLL COUNTY PUBLIC SCHOOLS
125 N. COURT STREET, WESTMINSTER, MD 21157
WILLIAM CAINE, WECAINE@CARROLLK12.ORG, 410-386-1817

SEAL



3/31/2025

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

LICENSE NO. 31168

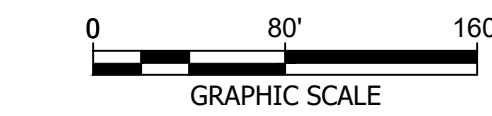
EXPIRATION DATE: 01/12/2027

SHEET TITLE
**STORMWATER
DRAINAGE AREA MAP**

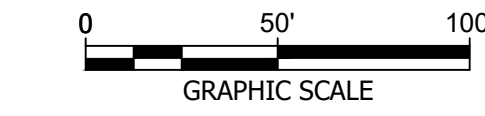
SCALE: SEE PLAN

SHEET NUMBER
C310

SHEET 9 OF 18



CC FILE # S-24-0034



CC FILE # S-24-0034

PROJECT NAME
**FREEDOM ELEMENTARY
SCHOOL - ADDITION**

PROJECT ADDRESS
5626 Sykesville Rd. Sykesville, MD 21784

DC Project No. 24-P-0490

Owner Project No. XXXX

OWNER / DEVELOPER
**CARROLL COUNTY
PUBLIC SCHOOLS**

PROJECT SUBMISSION

SCHEMATIC DESIGN SET

REVISION#	ISSUED FOR	DATE
1	SCHEMATIC DESIGN	11/01/2024
2	DESIGN DEVELOPMENT	03/21/2025

**Design
Collective**

601 East Pratt Street, Suite 300
Baltimore, Maryland 21202
P 410 685 9555 | www.designcollective.com

ARCHITECTURE PLANNING INTERIORS
LANDSCAPE ARCHITECTURE GRAPHICS

DESIGN COLLECTIVE, INC. ALL RIGHTS RESERVED

CONSULTANT



20501 Seneca Meadows Pkwy, Suite 230
Germantown, MD 20876
T(301) 528-2010
www.clarkazar.com
A Woman Owned Small Business

KEY PLAN
CLARK | AZAR & ASSOCIATES

EX. USE: EDUCATION
PROP. USE: EDUCATION
TOWN: NONE
ELECTION DISTRICT: 5
COUNTY: CARROLL COUNTY
STATE: MARYLAND

OWNER: BOARD OF EDUCATION OF CARROLL COUNTY
125 N. COURT STREET, WESTMINSTER, MD 21157

DEVELOPER: CARROLL COUNTY PUBLIC SCHOOLS
125 N. COURT STREET, WESTMINSTER, MD 21157
WILLIAM CAINE, WECAINE@CARROLLK12.ORG, 410-386-1817

SEAL



3/31/2025

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

LICENSE NO. 31168

EXPIRATION DATE: 01/12/2027

SHEET TITLE
EXISTING CONDITIONS

SCALE: SEE PLAN

SHEET NUMBER
C350



PROJECT NAME
**FREEDOM ELEMENTARY
SCHOOL - ADDITION**

PROJECT ADDRESS
5626 Sykesville Rd. Sykesville, MD 21784

DC Project No. 24-P-0490

Owner Project No. XXXX

OWNER / DEVELOPER
**CARROLL COUNTY
PUBLIC SCHOOLS**

PROJECT SUBMISSION

SCHEMATIC DESIGN SET

REVISION#	ISSUED FOR	DATE
1	SCHEMATIC DESIGN	11/01/2024
2	DESIGN DEVELOPMENT	03/21/2025

Design Collective
ARCHITECTURE PLANNING INTERIORS
LANDSCAPE ARCHITECTURE GRAPHICS
601 East Pratt Street, Suite 300
Baltimore, Maryland 21202
P 410 685 9555 | www.designcollective.com

DESIGN COLLECTIVE, INC. ALL RIGHTS RESERVED

CONSULTANT

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

EX. USE: EDUCATION
PROP. USE: EDUCATION
TOWN: NONE
ELECTION DISTRICT: 5
COUNTY: CARROLL COUNTY
STATE: MARYLAND

OWNER: BOARD OF EDUCATION OF CARROLL COUNTY
125 N. COURT STREET, WESTMINSTER, MD 21157

DEVELOPER: CARROLL COUNTY PUBLIC SCHOOLS
125 N. COURT STREET, WESTMINSTER, MD 21157
WILLIAM CAINE, WECAINE@CARROLLK12.ORG, 410-386-1817

SEAL

3/31/2025

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

LICENSE NO. 31168

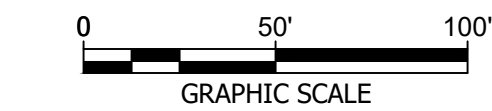
EXPIRATION DATE: 01/12/2027

SHEET TITLE
PROPOSED CONDITIONS

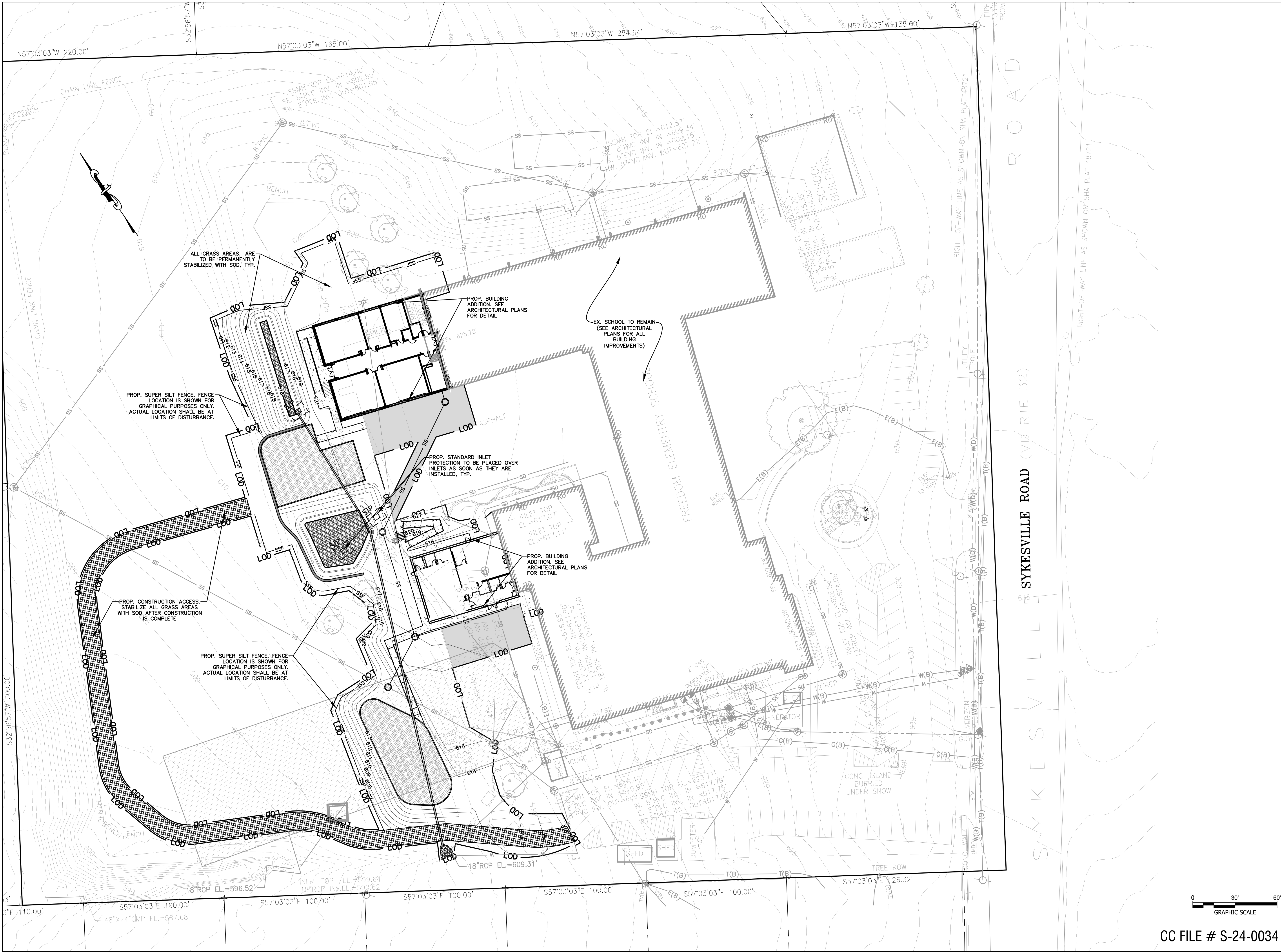
SCALE: SEE PLAN

SHEET NUMBER

C351



CC FILE # S-24-0034



PROJECT NAME
**FREEDOM ELEMENTARY
SCHOOL - ADDITION**

PROJECT ADDRESS
5626 Sykesville Rd. Sykesville, MD 21784

DC Project No. 24-P-0490

Owner Project No. XXXX

OWNER/DEVELOPER
**CARROLL COUNTY
PUBLIC SCHOOLS**

PROJECT SUBMISSION

SCHEMATIC DESIGN SET

REVISION#	ISSUED FOR	DATE
1	SCHEMATIC DESIGN	11/01/2024
2	DESIGN DEVELOPMENT	03/21/2025

**Design
Collective**

601 East Pratt Street, Suite 300
Baltimore, Maryland 21202
P 410 685 9555 | www.designcollective.com

ARCHITECTURE PLANNING INTERIORS
LANDSCAPE ARCHITECTURE GRAPHICS

DESIGN COLLECTIVE, INC. ALL RIGHTS RESERVED

CONSULTANT



KEY PLAN
CLARK | AZAR & ASSOCIATES

EX. USE: EDUCATION
PROP. USE: EDUCATION
TOWN: NONE
ELECTION DISTRICT: 5
COUNTY: CARROLL COUNTY
STATE: MARYLAND

OWNER: BOARD OF EDUCATION OF CARROLL COUNTY
125 N. COURT STREET, WESTMINSTER, MD 21157

DEVELOPER: CARROLL COUNTY PUBLIC SCHOOLS
125 N. COURT STREET, WESTMINSTER, MD 21157
WILLIAM CAINE, WECAINE@CARROLLK12.ORG, 410-386-1817

SEAL



3/31/2025

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

LICENSE NO. 31168

EXPIRATION DATE: 01/12/2027

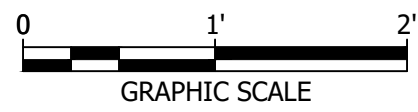
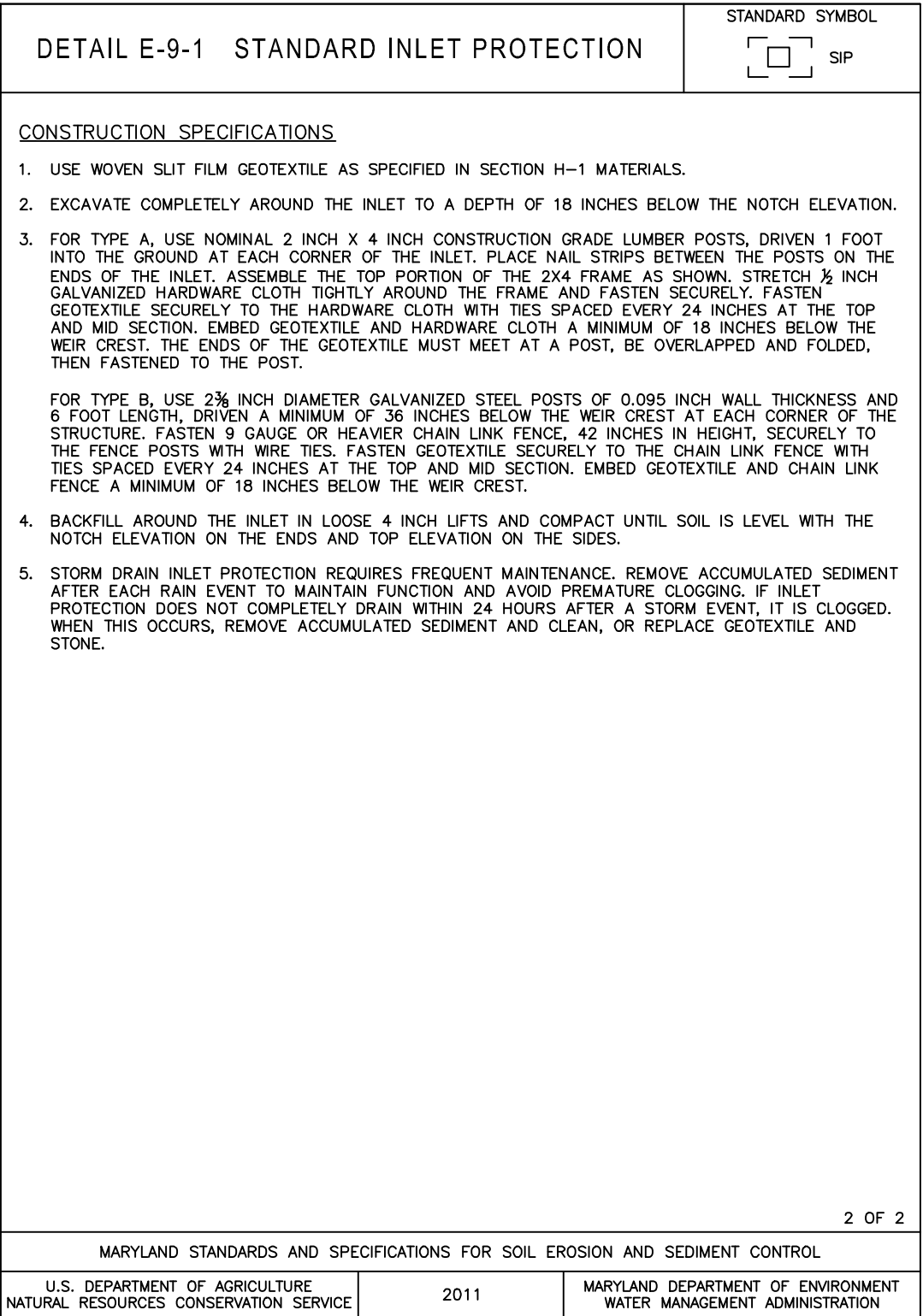
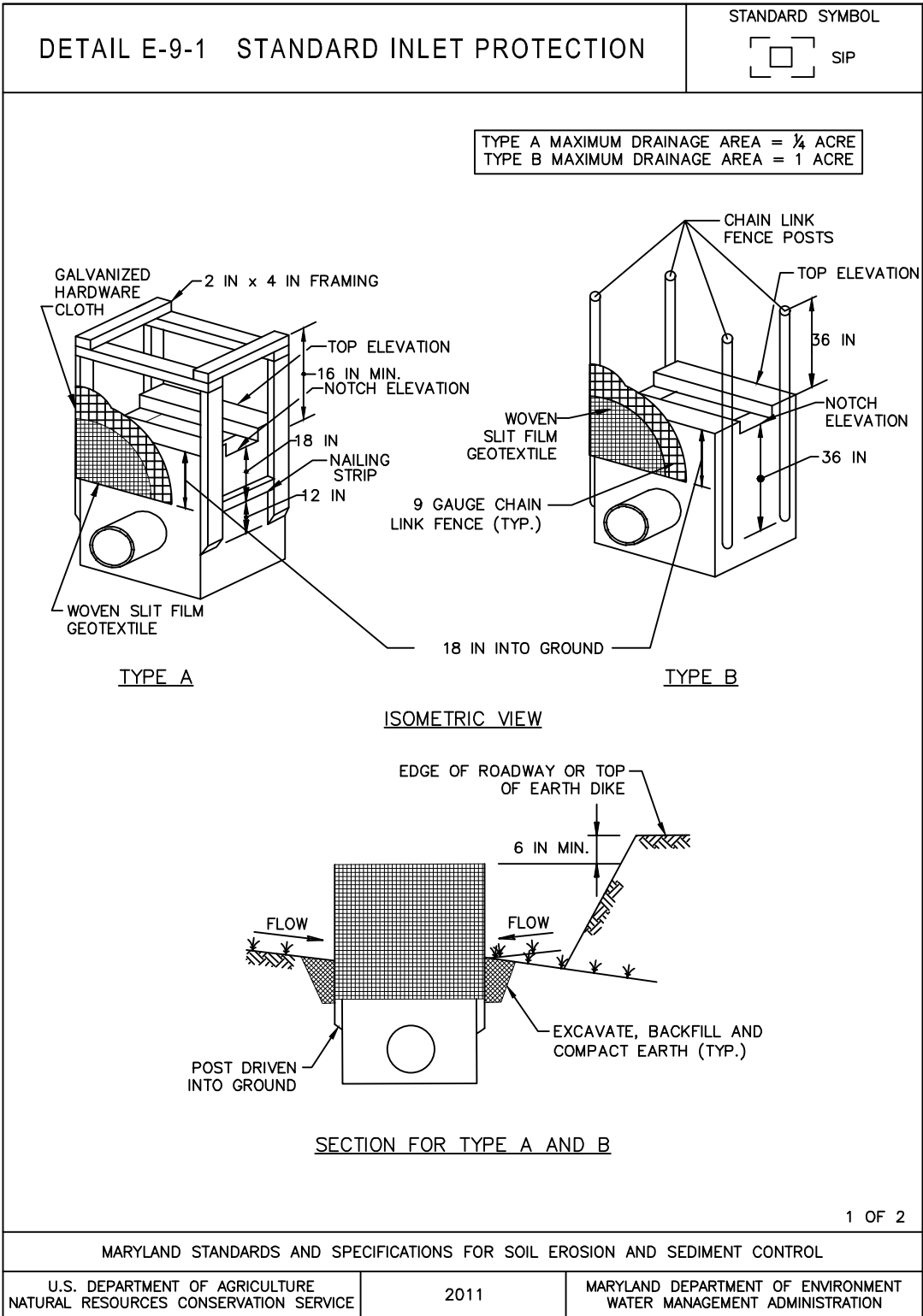
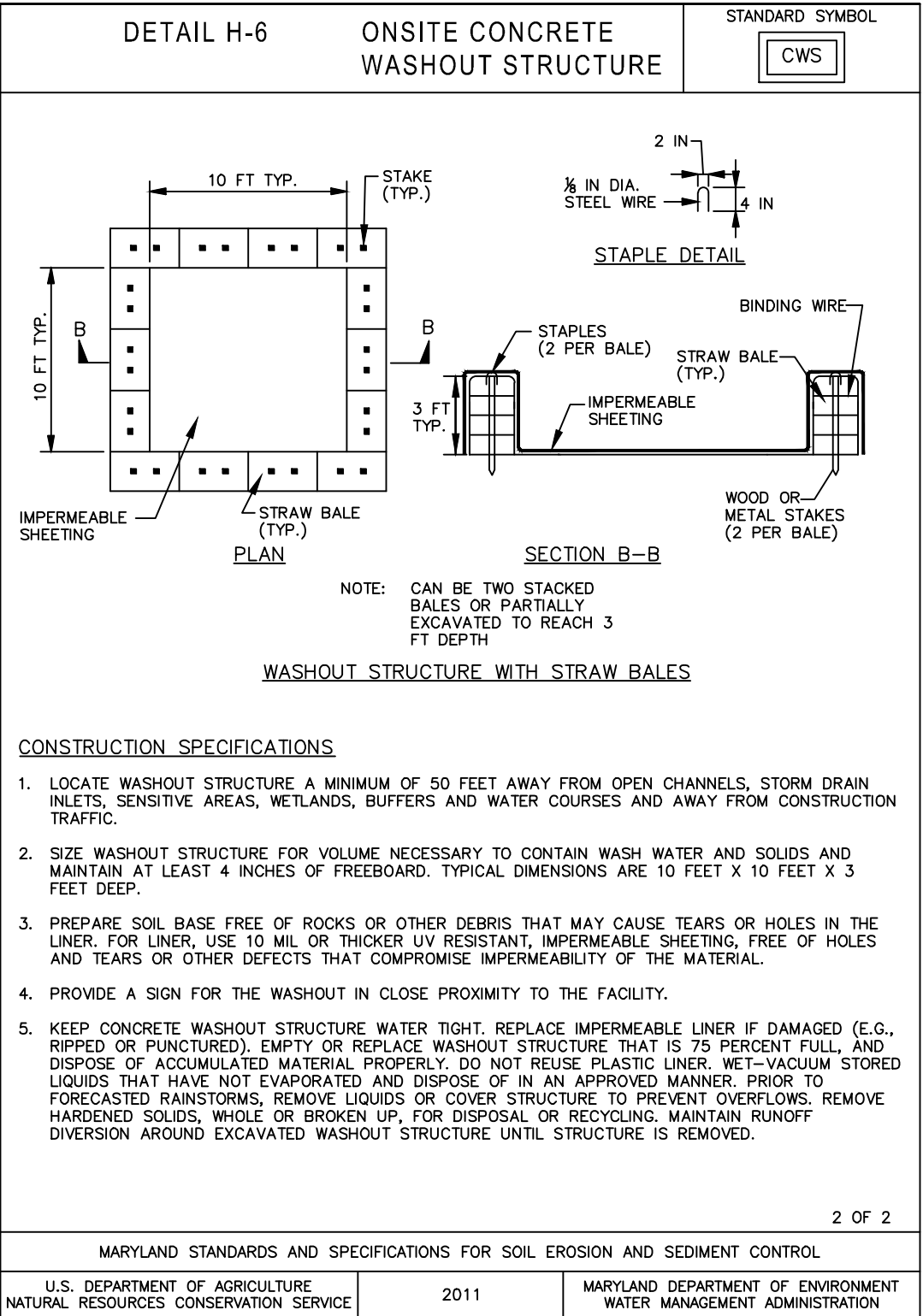
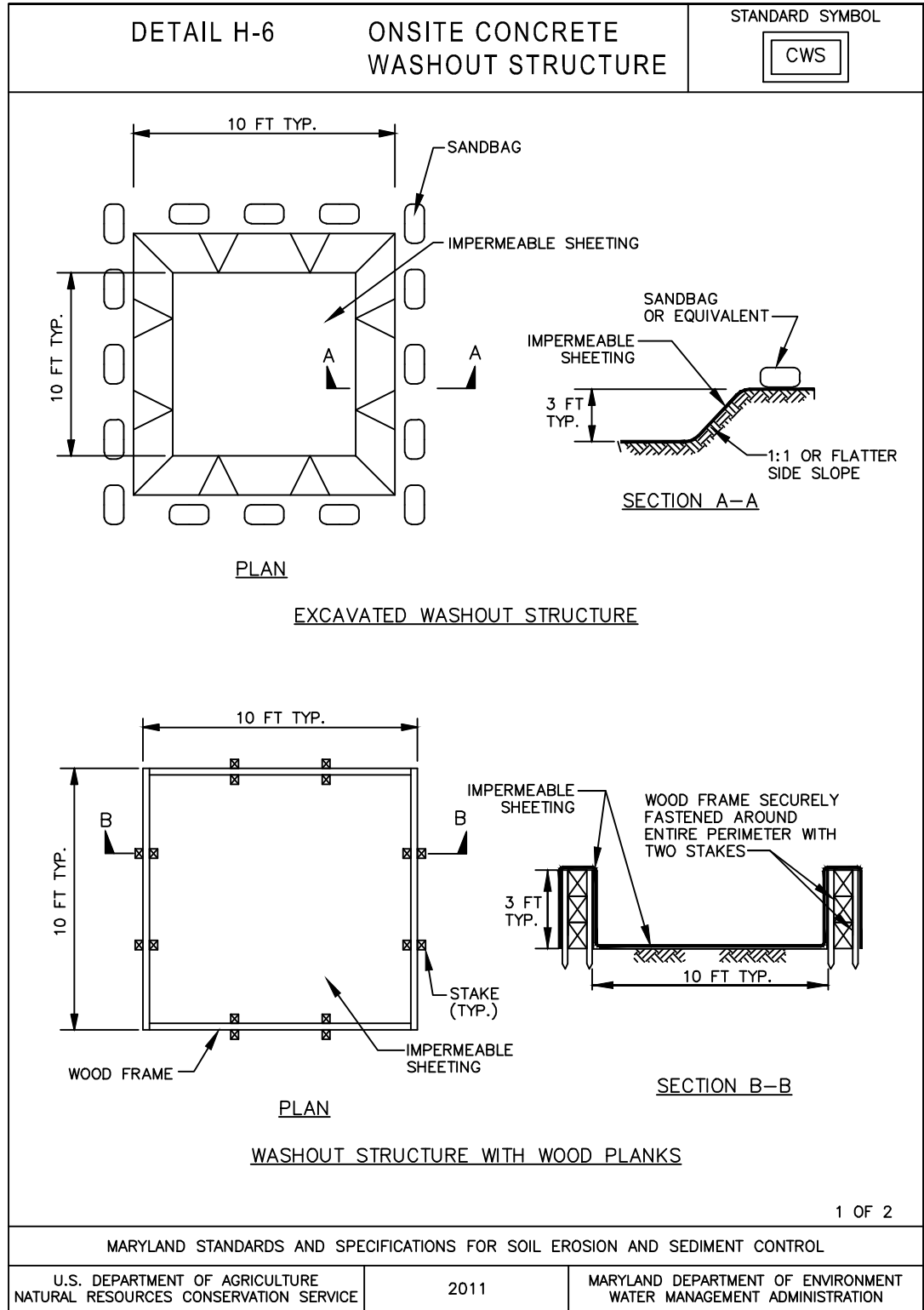
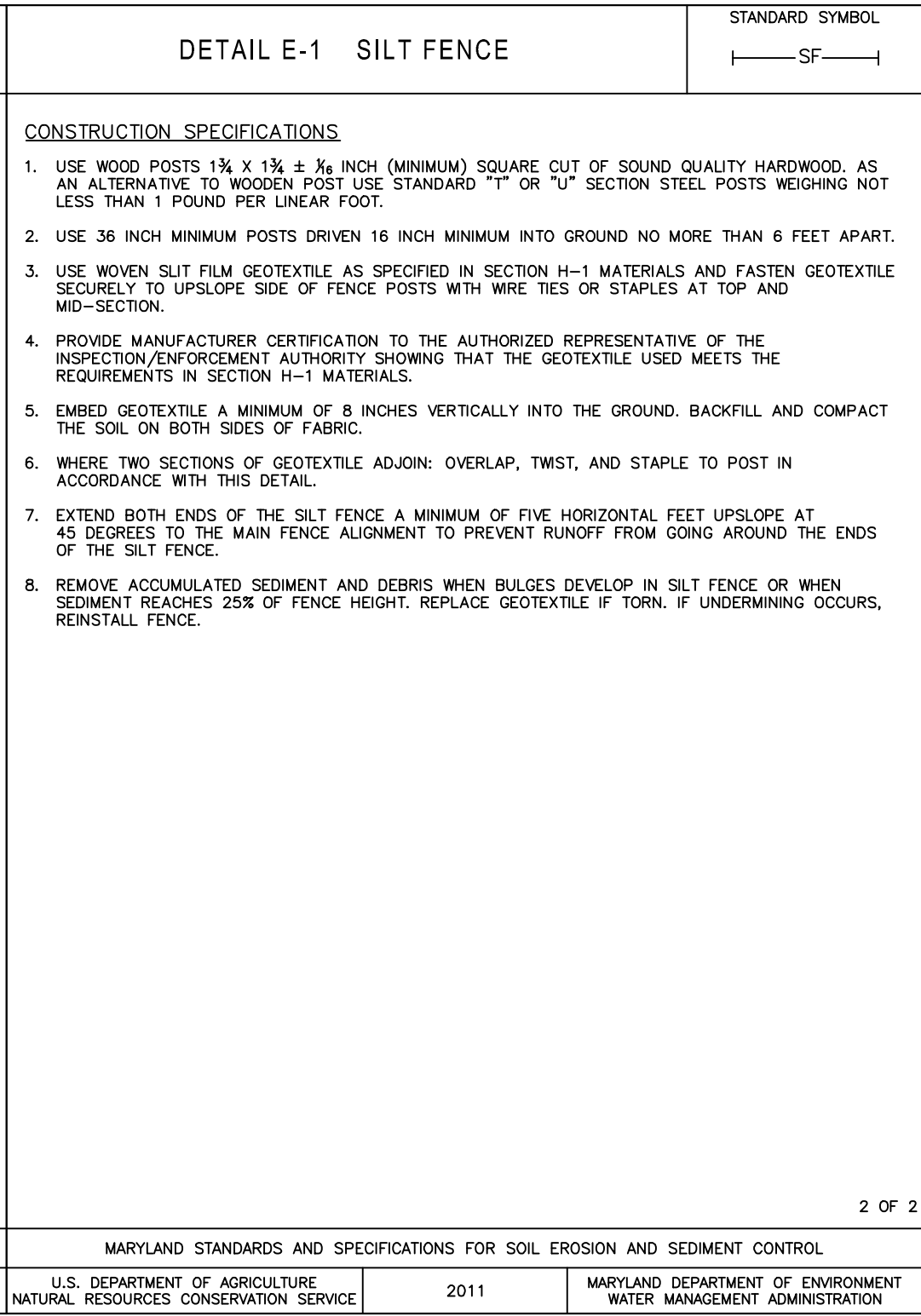
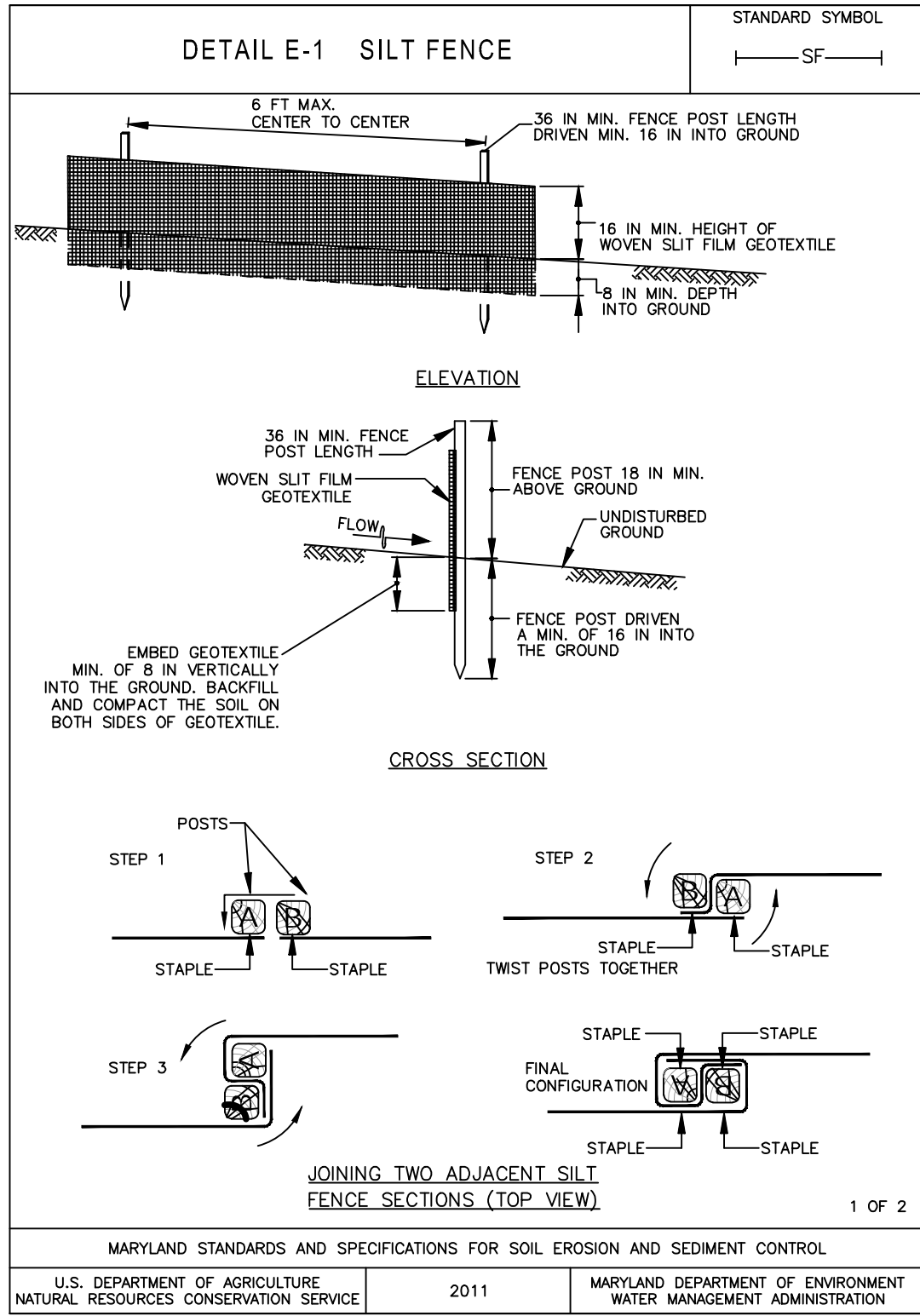
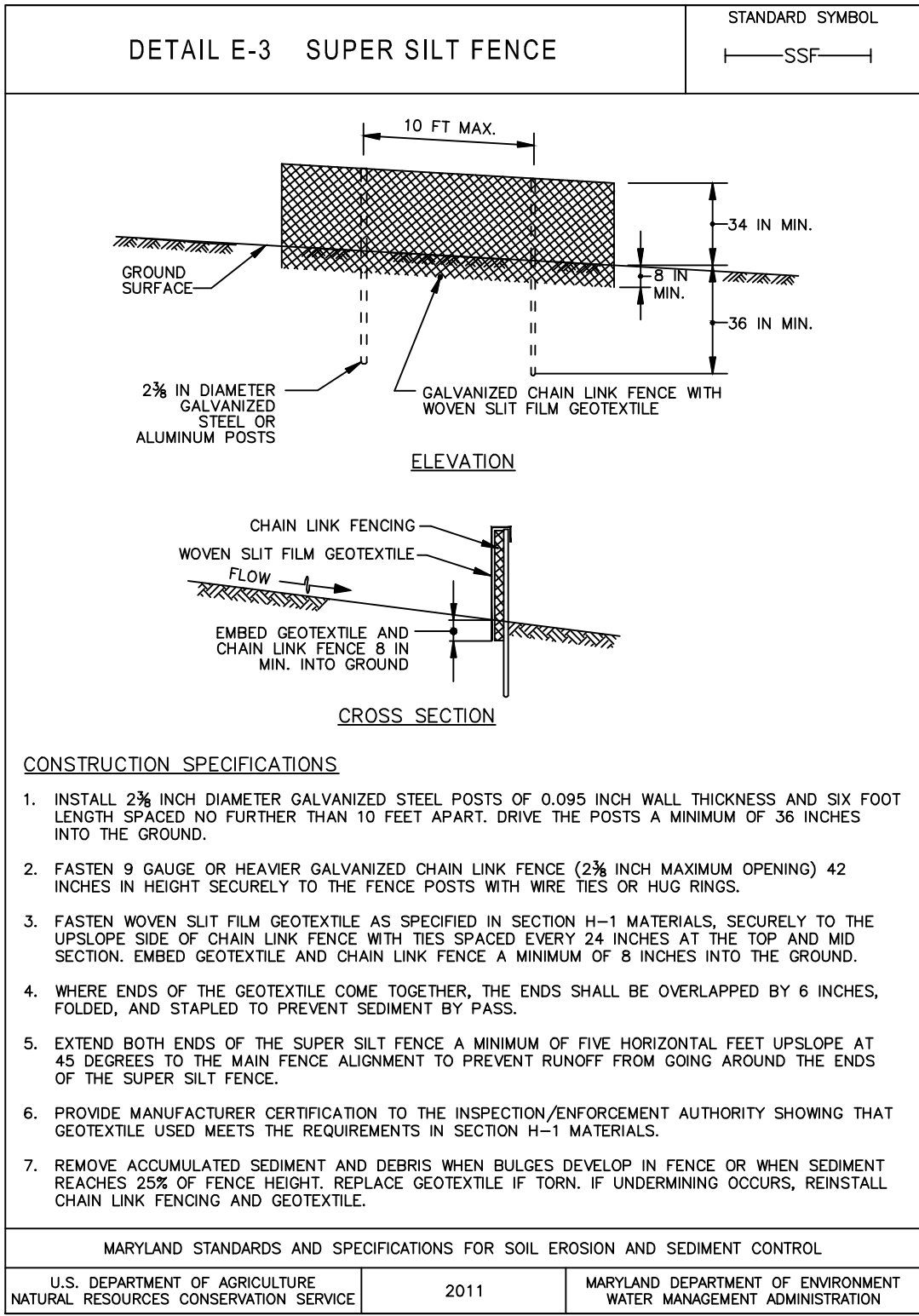
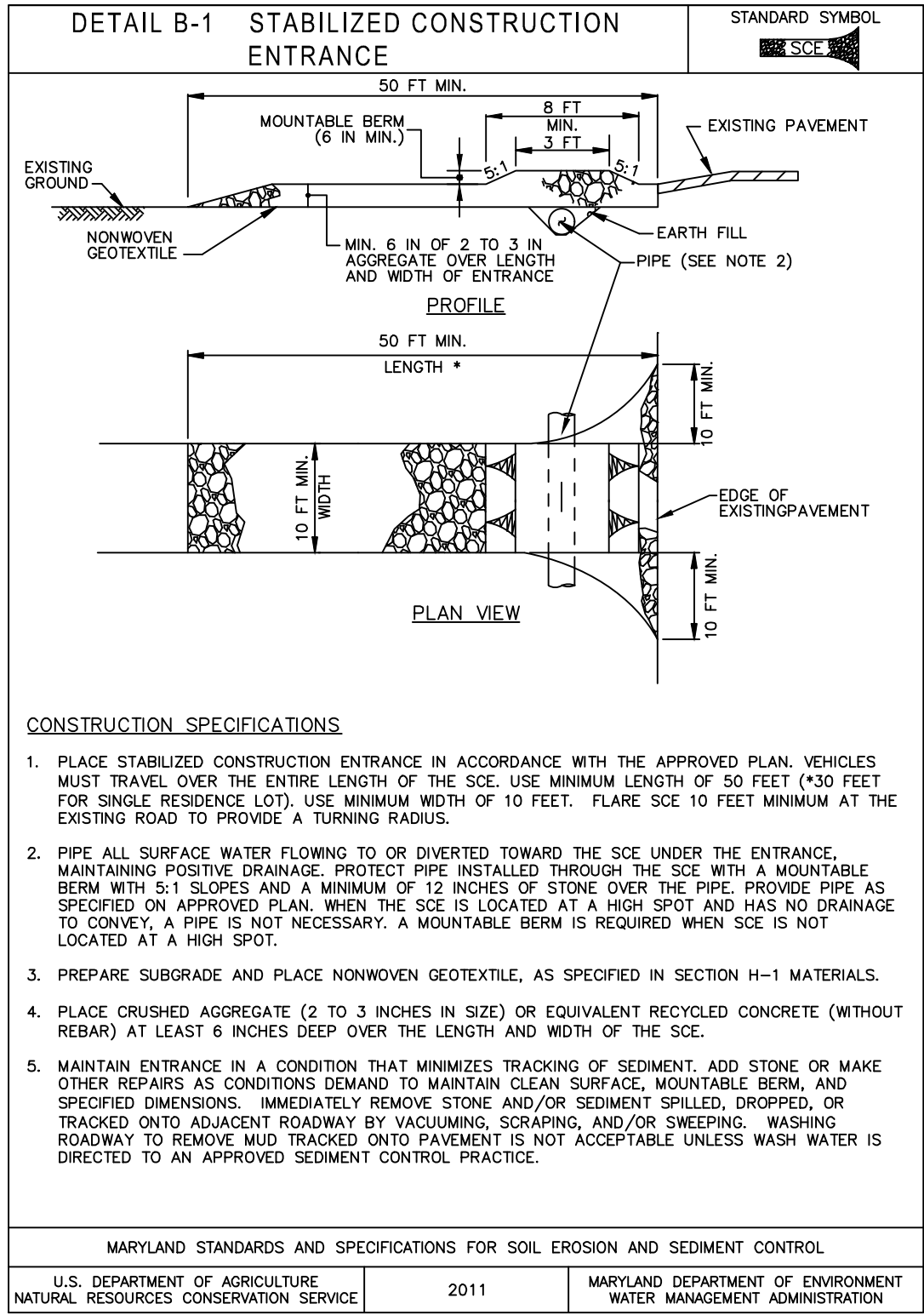
SHEET TITLE
**EROSION AND SEDIMENT
CONTROL PLAN**

SCALE: SEE PLAN

SHEET NUMBER

C400

CC FILE # S-24-0034



CC FILE # S-24-0034

PROJECT NAME

FREEDOM ELEMENTARY SCHOOL - ADDITION

PROJECT ADDRESS

5626 Sykesville Rd. Sykesville, MD 21784

DC Project No.

24-P-0490

Owner Project No.

XXXX

OWNER/DEVELOPER

CARROLL COUNTY PUBLIC SCHOOLS

PROJECT SUBMISSION

SCHEMATIC DESIGN SET

REVISION#	ISSUED FOR	DATE
1	SCHEMATIC DESIGN	11/01/2024
2	DESIGN DEVELOPMENT	03/21/2025

Design Collective

601 East Pratt Street, Suite 300
Baltimore, Maryland 21202
P 410 685 6555 | www.designcollective.com

ARCHITECTURE PLANNING INTERIORS
LANDSCAPE ARCHITECTURE GRAPHICS

DESIGN COLLECTIVE, INC. ALL RIGHTS RESERVED

CONSULTANT



KEY PLAN
CLARK | AZAR & ASSOCIATES

EX. USE EDUCATION
PROP. USE EDUCATION
TOWN: NONE
ELECTION DISTRICT: 5
COUNTY: CARROLL COUNTY
STATE: MARYLAND

OWNER: BOARD OF EDUCATION OF CARROLL COUNTY
125 N. COURT STREET, WESTMINSTER, MD 21157

DEVELOPER: CARROLL COUNTY PUBLIC SCHOOLS
125 N. COURT STREET, WESTMINSTER, MD 21157
WILLIAM CANINE, WECANINE@CARROLLK12.ORG, 410-386-1817

SEAL



3/31/2025

AFFIRMATION

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

LICENSE NO. 31168

EXPIRATION DATE: 01/12/2027

SHEET TITLE

EROSION AND SEDIMENT CONTROL DETAILS

SCALE: SEE PLAN

SHEET NUMBER

C405

SHEET 13 OF 18

STANDARD EROSION AND SEDIMENT CONTROL NOTES

THE WATER MANAGEMENT ADMINISTRATION REQUIRES THAT THESE NOTES, IN THEIR ENTIRETY, BE INCLUDED ON ALL EROSION AND SEDIMENT CONTROL PLANS. IT IS THE POLICY OF THE AGENCY 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 ADMINISTRATION (WMA) AT (410) 537-3510 SEVEN (7) DAYS BEFORE COMMENCING ANY LAND DISTURBING ACTING AND, UNLESS WAIVED BY THE ADMINISTRATION, SHALL BE REQUIRED TO HOLD A PRE-CONSTRUCTION MEETING BETWEEN PROJECT REPRESENTATIVES AND A REPRESENTATIVE OF WMA.

2. THE CONTRACTOR MUST NOTIFY WMA 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 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 ANY EROSION OR SEDIMENT CONTROL MEASURE 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.

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 WMA 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 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 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 AND ANCHORED STRAW MULCH, 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 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 PROPERTY IS BROUGHT 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.

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 WMA AND THE AGENCY RESPONSIBLE FOR PROJECT.

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 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 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 FLOW 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 STABILIZATION MEASURES.

12. 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.

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 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.

14. 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.

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 WMA 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 (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).

22. SEDIMENT CONTROL FOR UTILITY CONSTRUCTION FOR AREAS OUTSIDE OF DESIGNED CONTROLS OR AS DIRECTED BY ENGINEER OR WMA 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.

STANDARD EROSION AND SEDIMENT CONTROL NOTES (CONTINUED)

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 FENCE 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, HAVE A MINIMUM OF 14 GAUGE WIRE. SAFETY FENCE MUST BE MAINTAINED IN GOOD CONDITION AT ALL TIMES.

24. 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.

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.

SECTION I -- VEGETATIVE STABILIZATION METHODS AND MATERIALS

A. SITE PREPARATION
I. INSTALL EROSION AND SEDIMENT CONTROL STRUCTURES (EITHER TEMPORARY OR PERMANENT) SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, BERMS, WATERWAYS, OR SEDIMENT CONTROL BASINS.
II. PERFORM ALL GRADING OPERATIONS AT RIGHT ANGLES TO THE SLOPE. FINAL GRADING AND SHAPING IS NOT USUALLY NECESSARY FOR TEMPORARY SEEDING.
III. SCHEDULE REQUIRED SOIL TESTS TO DETERMINE SOIL AMENDMENT COMPOSITION AND APPLICATION RATES FOR SITES HAVING DISTURBED AREA OVER 5 ACRES.

B. SOIL AMENDMENTS AND LIME SPECIFICATIONS)
I. 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.
II. 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 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 WARRANTEE OF THE PRODUCER.
III. LIME MATERIALS SHALL BE GROUND LIMESTONE (HYDRATED OR BURNT LIME MAY BE SUBSTITUTED) WHICH CONTAINS AT LEAST 50% TOTAL OXIDE PLUS MAGNESIA. LIMESTONE SHALL BE 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.
IV. INCORPORATE LIME AND FERTILIZER INTO THE TOP 3" - 5" OF SOIL BY DISKING OR OTHER SUITABLE MEANS.

C. SEEDBED PREPARATION
I. TEMPORARY SEEDING
A. 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 RIPPERS MOUNTED ON CONSTRUCTION EQUIPMENT. AFTER THE SOIL IS LOOSENED, IT SHOULD NOT BE ROLLED OR DRAGGED SMOOTH BUT LEFT IN THE ROUGHENED CONDITION. SLOPED AREAS (GREATER THAN 3:1) SHOULD BE TRACKED LEAVING THE SURFACE IN AN IRREGULAR CONDITION 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" - 5" OF SOIL BY DISKING OR OTHER SUITABLE MEANS.
II. PERMANENT SEEDING
A. MINIMUM SOIL CONDITIONS REQUIRED FOR PERMANENT VEGETATIVE ESTABLISHMENT:
1. SOIL PH SHALL BE BETWEEN 6.0 AND 7.0
2. SOLUBLE SALTS SHALL BE LESS THAN 500 PARTS PER MILLION (PPM).
3. 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 SERECIA LESPEDEZA IS TO BE PLANTED, THEN A SANDY SOIL (< 30% SILT PLUS CLAY) WOULD BE ACCEPTABLE.
4. SOIL SHALL CONTAIN 1.5 % MINIMUM ORGANIC MATTER BY WEIGHT.
5. SOIL MUST CONTAIN SUFFICIENT PORE SPACE TO PERMIT ADEQUATE ROOT PENETRATION.
6. IF THESE CONDITIONS CANNOT BE MET BY SOILS ON SITE, ADDING TOPSOIL IS REQUIRED IN ACCORDANCE WITH SECTION 21 STANDARD AND SPECIFICATION FOR TOPSOIL.

B. AREAS PREVIOUSLY GRADED IN CONFORMANCE WITH THE DRAWINGS SHALL BE MAINTAINED IN A TRUE AND EVEN GRADE, THEN SCARIFIED OR OTHERWISE LOOSENED 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 TOPSOIL FROM SLIDING DOWN A SLOPE.
C. APPLY SOIL AMENDMENTS AS PER SOIL TEST OR AS INCLUDED ON THE PLANS.
D. 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 READY THE AREA FOR SEED APPLICATION. WHERE SITE CONDITIONS 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 FRABLE. SEEDBED LOOSENING MAY NOT BE NECESSARY ON NEWLY DISTURBED AREAS.

D. SEED SPECIFICATIONS
I. 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.
II. INOCULANT - THE INOCULANT FOR TREATING LEGUME SEED IN THE SEED MIXTURES SHALL BE A PURE CULTURE OF NITROGEN-FIXING BACTERIA PREPARED SPECIFICALLY 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.

E. METHODS OF SEEDING
I. HYDROSEEDING: APPLY SEED UNIFORMLY WITH HYDROSEEDER (SLURRY INCLUDES SEED AND FERTILIZER), BROADCAST OR DROP SEEDER, OR A CULTIPACKER SEEDER.
A. 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; K2O (POTASSIUM): 200 LBS/AC.
B. LIME - USE ONLY GROUND AGRICULTURAL LIMESTONE, (UP TO 5 TONS -PER ACRE MAY BE APPLIED BY HYDROSEEDING). NORMALLY, NOT MORE THAN 2 TONS ARE APPLIED BY HYDROSEEDING AT ANY ONE TIME. DO NOT USE BURNT OR HYDRATED LIME WHEN HYDROSEEDING.
C. SEED AND FERTILIZER SHALL BE MIXED ON SITE AND SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION.

SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS (CONTINUED)

II. DRY SEEDING: THIS INCLUDES USE OF CONVENTIONAL DROP OR BROADCAST SPREADERS.
A. SEED SPREAD DRY SHALL 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.
B. WHERE PRACTICAL, SEED SHOULD BE APPLIED IN TWO DIRECTIONS PERPENDICULAR TO EACH OTHER. APPLY HALF THE SEEDING RATE IN EACH DIRECTION.
III. DRILL OR CULTIPACKER SEEDING: MECHANIZED SEEDERS THAT APPLY AND COVER SEED WITH SOIL. A. CULTIPACKING SEEDS ARE REQUIRED TO BURY THE SEED IN SUCH A FASHION AS TO PROVIDE AT LEAST 1/4 INCH OF SOIL COVERING. SEEDBED MUST BE FIRM AFTER PLANTING.
B. WHERE PRACTICAL, SEED SHOULD BE APPLIED IN TWO DIRECTIONS PERPENDICULAR TO EACH OTHER. APPLY HALF THE SEEDING RATE IN EACH DIRECTION.
F. MULCH SPECIFICATIONS (IN ORDER OF PREFERENCE)
I. 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.
II. WOOD CELLULOSE FIBER MULCH (WCFM) SHALL BE APPLIED IN AREAS WHERE ONE SPECIES OF FIBROUS PHYSICAL STATE.
B. WCFM SHALL BE DYED GREEN OR CONTAIN A GREEN DYE IN THE PACKAGE THAT WILL PROVIDE APPROPRIATE COLOR TO FACILITATE VISUAL INSPECTIONS OF THE UNIFORMLY SPREAD SLURRY.
C. WCFM, INCLUDING DYE, SHALL CONTAIN NO GERMINATION OR GROWTH INHIBITING FACTORS.
D. 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 GRASS SEED IN CONTACT WITH THE SOIL WITHOUT INHIBITING THE GROWTH OF THE GRASS SEEDLINGS.
E. WCFM MATERIAL SHALL CONTAIN NO ELEMENTS OR COMPOUNDS AT CONCENTRATION LEVELS THAT WILL BE PHYTO-TOXIC.
F. 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.

G. MULCHING SEEDED AREAS - MULCH SHALL BE APPLIED TO ALL SEEDED AREAS IMMEDIATELY AFTER SEEDING.
I. 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.
II. 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.
III. 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.
H. 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:
I. 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 AREAS, MULCH ANCHORING SHOULD BE USED ON THE CONTOUR IF POSSIBLE.
II. 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.
III. 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, AR OR OTHER APPROVED EQUAL, MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER TO ANCHOR MULCH.
IV. 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.

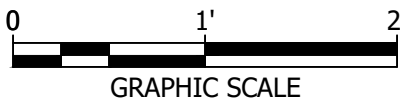
I. INCREMENTAL STABILIZATION - CUT SLOPES
I. ALL CUT SLOPES SHALL BE DRESSED, PREPARED, SEEDED AND MULCHED AS THE WORK PROGRESSES. SLOPES SHALL BE EXCAVATED AND STABILIZED IN EQUAL INCREMENTS NOT TO EXCEED 15'.
II. CONSTRUCTION SEQUENCE (REFER TO FIGURE 3 BELOW):
A. EXCAVATE AND STABILIZE ALL TEMPORARY SWALES, SIDE DITCHES, OR BERMS THAT WILL BE USED TO CONVEY RUNOFF FROM THE EXCAVATION.
B. PER-FORM PHASE 1 EXCAVATION, DRESS, AND STABILIZE.
C. PERFORM PHASE 2 EXCAVATION, DRESS, AND STABILIZE. OVERSEED PHASE 1 AREAS AS NECESSARY.
D. PERFORM FINAL PHASE EXCAVATION, DRESS, AND STABILIZE. OVERSEED PREVIOUSLY SEEDED AREAS AS NECESSARY.
NOTE: ONCE EXCAVATION HAS BEGUN, THE OPERATION SHOULD BE CONTINUOUS FROM GRUBBING 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.
J. INCREMENTAL STABILIZATION OF EMBANKMENTS - FILL SLOPES
I. EMBANKMENTS SHALL BE CONSTRUCTED IN LIFTS AS PRESCRIBED ON THE PLANS.
II. 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.
III. 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.
IV. CONSTRUCTION SEQUENCE: REFER TO FIGURE 4 (BELOW).
A. EXCAVATE AND STABILIZE ALL TEMPORARY SWALES, SIDE DITCHES, OR BERMS THAT WILL BE USED TO DIVERF FIBROFF 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.
B. PLACE PHASE 1 EMBANKMENT, DRESS AND STABILIZE.
C. PLACE PHASE 2 EMBANKMENT, DRESS AND STABILIZE.
D. PLACE FINAL PHASE EMBANKMENT, DRESS AND STABILIZE. OVERSEED PREVIOUSLY SEEDED 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 SUMMARY

SEED MIXTURE (HARDINESS ZONE ____7A_____) FROM TABLE 26					FERTILIZER RATE (10-20-20)			LIME RATE
NO.	SPECIES	APPLICATION RATE (LB/AC)	SEEDING DATES	SEEDING DEPTHS	N	P205	K2O	
1	TALL FESCUE (75%)	150	SPRING 3/1-5/15 8/15-10/15	1"	90 LB/AC	175 LB/AC	175 LB/AC	2 TONS/AC
	CANADA BLUEGRASS (10%)							
	KENTUCKY BLUEGRASS (10%)							
	REDTOP (5%)							

TEMPORARY SEEDING SUMMARY

SEED MIXTURE (HARDINESS ZONE ___7A_____) FROM TABLE 26					FERTILIZER RATE (10-10-10)	LIME RATE
NO.	SPECIES	APPLICATION RATE (LB/AC)	SEEDING DATES	SEEDING DEPTHS		
	BARLEY OR RYE	150	2/1-11/30	1"	600 LB/ACRE	2 TONS/ACRE
	FOXTAIL MILLET					



CC FILE # S-24-0034

PROJECT NAME
FREEDOM ELEMENTARY
SCHOOL - ADDITION

PROJECT ADDRESS
5626 Sykesville Rd. Sykesville, MD 21784

DC Project No. 24-P-0490

Owner Project No. XXXX

OWNER/DEVELOPER

CARROLL COUNTY
PUBLIC SCHOOLS

PROJECT SUBMISSION

SCHEMATIC DESIGN SET

REVISION#	ISSUED FOR	DATE
1	SCHEMATIC DESIGN	11/01/2024
2	DESIGN DEVELOPMENT	03/21/2025

Design Collective

601 East Pratt Street, Suite 300
Baltimore, Maryland 21202
P 410 685 9551 www.designcollective.com

ARCHITECTURE PLANNING INTERIORS
LANDSCAPE ARCHITECTURE GRAPHICS

DESIGN COLLECTIVE, INC. ALL RIGHTS RESERVED

CONSULTANT



KEY PLAN
CLARK | AZAR & ASSOCIATES

EX. USE: EDUCATION
PROP. USE: EDUCATION
TOWN: NONE
ELECTION DISTRICT: 5
COUNTY: CARROLL COUNTY
STATE: MARYLAND

OWNER: BOARD OF EDUCATION OF CARROLL COUNTY
125 N. COURT STREET, WESTMINSTER, MD 21157

DEVELOPER: CARROLL COUNTY PUBLIC SCHOOLS
125 N. COURT STREET, WESTMINSTER, MD 21157
WILLIAM CAINE, WECAINE@CARROLLK12.ORG, 410-386-1817

SEAL



3/31/2025

AFFIRMATION

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

LICENSE NO. 31168

EXPIRATION DATE: 01/12/2027

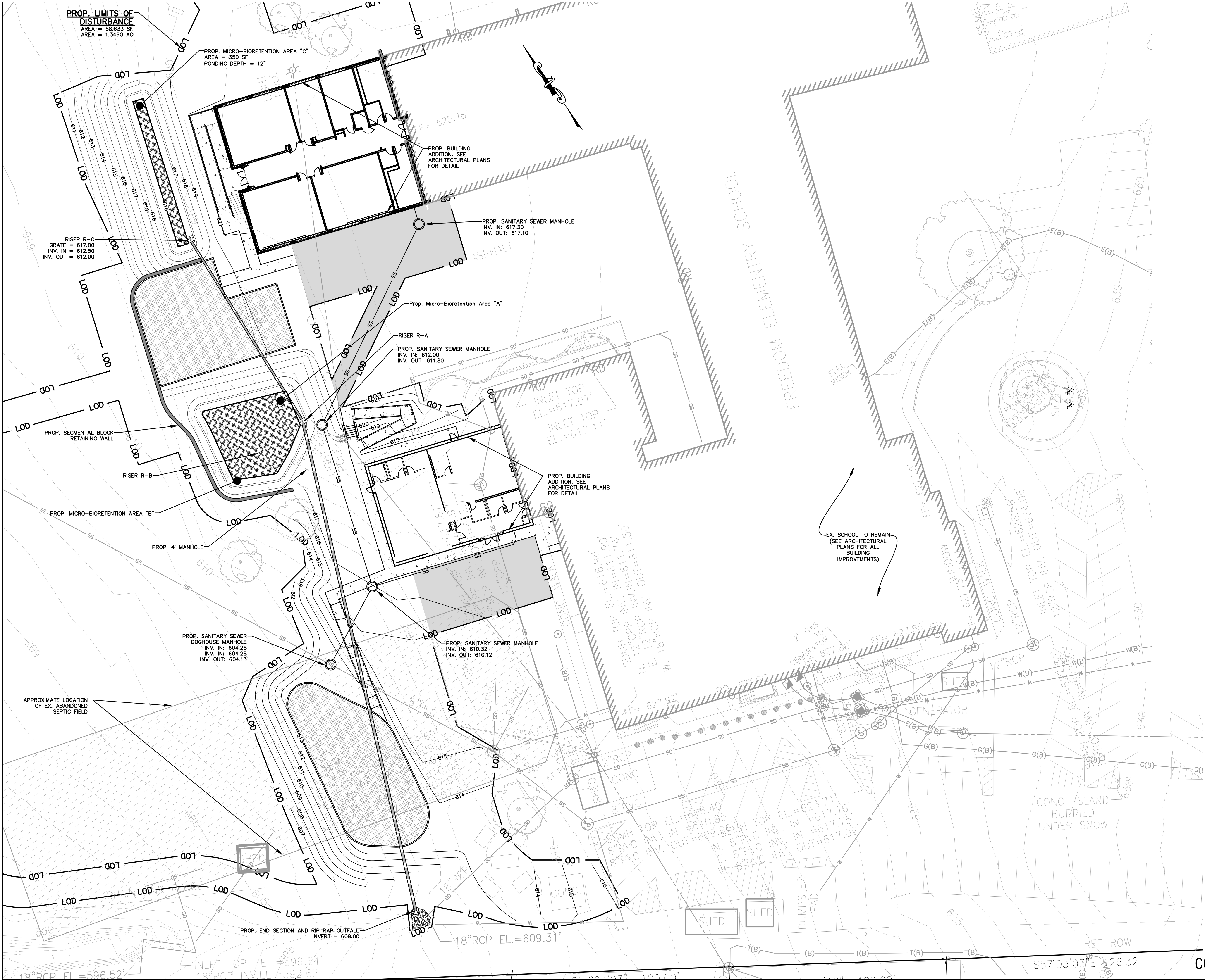
SHEET TITLE

EROSION AND SEDIMENT
CONTROL NOTES

SCALE: SEE PLAN

SHEET NUMBER

C410



PROJECT NAME
**FREEDOM ELEMENTARY
SCHOOL - ADDITION**

PROJECT ADDRESS
5626 Sykesville Rd. Sykesville, MD 21784

DC Project No. 24-P-0490

Owner Project No. XXXX

OWNER/DEVELOPER
**CARROLL COUNTY
PUBLIC SCHOOLS**

PROJECT SUBMISSION

SCHEMATIC DESIGN SET

REVISION#	ISSUED FOR	DATE
1	SCHEMATIC DESIGN	11/01/2024
2	DESIGN DEVELOPMENT	03/21/2025

**Design
Collective**

601 East Pratt Street, Suite 300
Baltimore, Maryland 21202
P 410 685 9551 | www.designcollective.com

ARCHITECTURE PLANNING INTERIORS
LANDSCAPE ARCHITECTURE GRAPHICS

DESIGN COLLECTIVE, INC. ALL RIGHTS RESERVED

CONSULTANT



KEY PLAN
CLARK | AZAR & ASSOCIATES

EX. USE: EDUCATION
PROP. USE: EDUCATION
TOWN: NONE
ELECTION DISTRICT: 5
COUNTY: CARROLL COUNTY
STATE: MARYLAND

OWNER: BOARD OF EDUCATION OF CARROLL COUNTY
125 N. COURT STREET, WESTMINSTER, MD 21157

DEVELOPER: CARROLL COUNTY PUBLIC SCHOOLS
125 N. COURT STREET, WESTMINSTER, MD 21157
WILLIAM CAINE, WECAINE@CARROLLK12.ORG, 410-386-1817

SEAL



3/31/2025

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

LICENSE NO. 31168

EXPIRATION DATE: 01/12/2027

SHEET TITLE
UTILITY PLAN

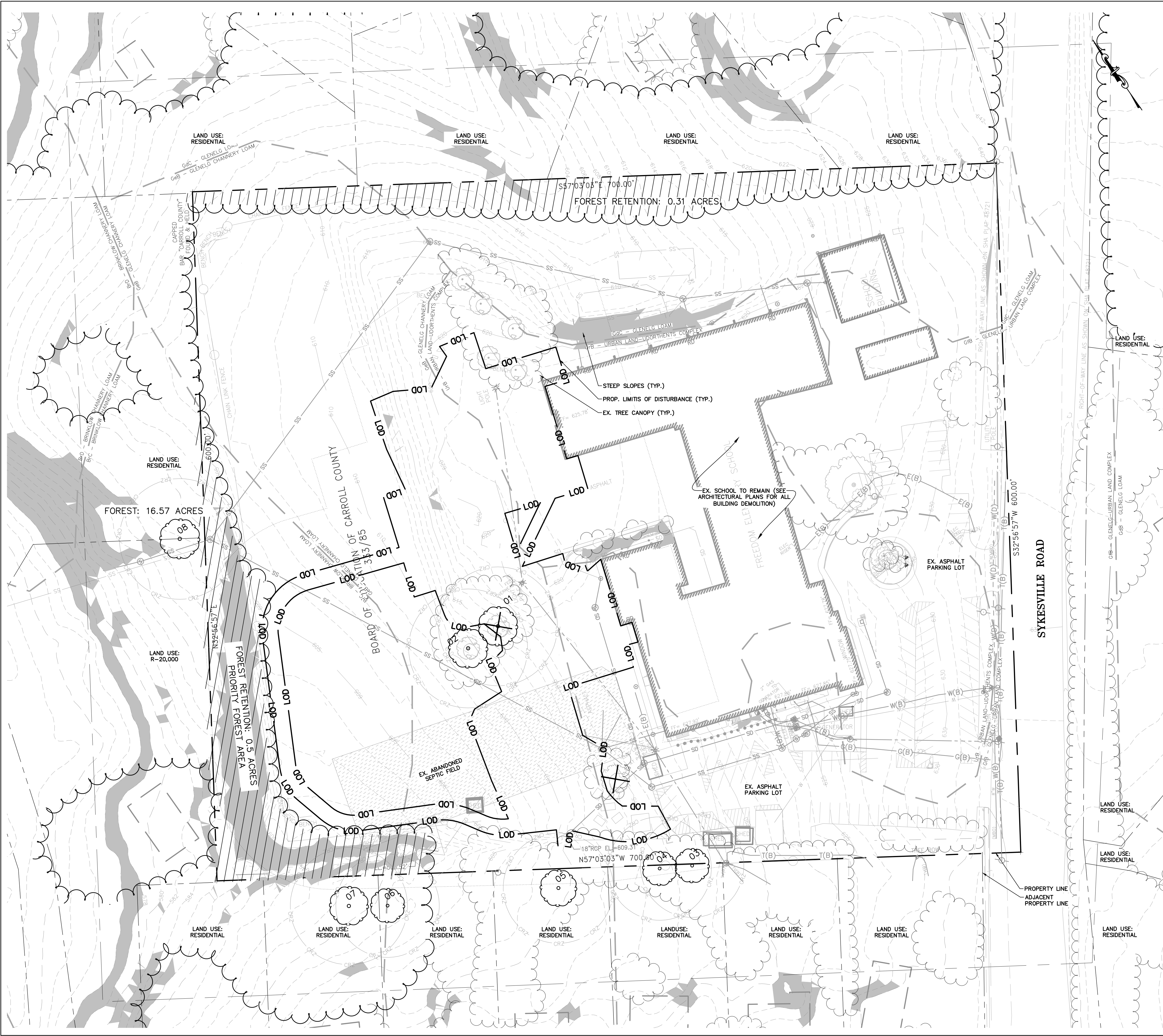
SCALE: SEE PLAN

SHEET NUMBER

C500

SHEET 15 OF 18

CC FILE # S-24-0034



VICINITY MAP
SCALE: 1"=1000'

LEGEND

---	EX. 2' INTERMEDIATE CONTOUR
---	EX. 10' INDEX CONTOUR
---	EX. PROPERTY LINE
---	EX. ADJACENT PROPERTY LINE
---	PROP. LIMITS OF DISTURBANCE
---	EX. SOIL LINE
---	EX. TREE CANOPY
---	EX. FOREST LINE
---	EX. CRITICAL ROOT ZONE
---	EX. SPECIMEN TREE
---	EX. TREE TO BE REMOVED
---	EX. STEEP SLOPES (GREATER THAN OR EQUAL TO 25%)
---	EX. ABANDONED SEPTIC FIELD

SOIL TABLE			
NAME	HYDRIC	HIGHLY ERODIBLE	K*
BrC - BRINKLOW CHANNERY LOAM, 8-15% SLOPES	N	N	0.20
GeB - GLENELG CHANNERY LOAM, 3-8% SLOPES	N	N	0.20
U/B - UBRAN LAND - UDORTHENTS COMPLEX, 0-8% SLOPES	N	N	N/A
GdC - GLENELG LOAM, 8-15% SLOPES	N	N	0.24
G/B - GLENELG - UBRAN LAND COMPLEX, 0-8% SLOPES	N	N	0.28

NATURAL RESOURCE DATA TABLE	
NET TRACT AREA (ACRES)	9.64
TOTAL FOREST (ACRES)	0.81
TOTAL WETLAND (ACRES)	0
TOTAL FOREST IN WETLAND (ACRES)	0
TOTAL FLOODPLAIN (ACRES)	0
TOTAL FOREST IN FLOODPLAIN (ACRES)	0
TOTAL STREAM BUFFERS (ACRES)	0
TOTAL FOREST IN STREAM BUFFER (ACRES)	0

FOREST STAND AND OVERALL SITE NARRATIVE

THE PROPERTY IS 9.62 ACRES, 0.81 ACRES OF WHICH IS COMPRISED OF FOREST, ALL OF WHICH IS IDENTIFIED TO BE RETAINED. REFER TO THE TWO "FOREST RETENTION" PARCELS INDICATED THIS SHEET, 0.5 ACRES AND 0.31 ACRES, RESPECTIVELY. THE DOMINANT TREE SPECIES THROUGHOUT IS YELLOW POPLAR, *Liriodendron tulipifera*.

THE REMAINDER OF THE PROPERTY IS COMPOSED OF ATHLETIC FIELDS, OPEN SPACE, GROUPINGS OF TREES, PARKING LOTS, AND BUILDINGS. THE OPEN SPACE AND ATHLETIC FIELDS SHOW EVIDENCE OF MAINTENANCE IN THE FORM OF MOWING. THE VARIOUS CLUSTERS OF TREES AND TREES PLANTED IN PARKING LOT ISLANDS SHOW EVIDENCE OF MAINTENANCE IN THE FORM OF PRUNING.

FIELD INVESTIGATION PERSONNEL

JONATHAN MALLORY, CLARK AZAR & ASSOCIATES, 301-528-2010

PARCEL INFORMATION

MAP: 0068
BLOCK: N/A
PARCEL: 0051

PROJECT NAME
FREEDOM ELEMENTARY SCHOOL - ADDITION

PROJECT ADDRESS
5626 Sykesville Rd. Sykesville, MD 21784

DC Project No. 24-P-0490

Owner Project No. XXXX

OWNER/DEVELOPER
CARROLL COUNTY PUBLIC SCHOOLS

PROJECT SUBMISSION

SCHEMATIC DESIGN SET

REVISION#	ISSUED FOR	DATE
1	SCHEMATIC DESIGN	11/01/2024
2	DESIGN DEVELOPMENT	03/21/2025

Design Collective

601 East Pratt Street, Suite 300
Baltimore, Maryland 21202
P 410 685 9555 | www.designcollective.com

ARCHITECTURE PLANNING INTERIORS
LANDSCAPE ARCHITECTURE GRAPHICS

DESIGN COLLECTIVE, INC. ALL RIGHTS RESERVED

CONSULTANT

CLARK | AZAR & ASSOCIATES

20501 Seneca Meadows Pkwy, Suite 232
Germantown, MD 20876
Tel: (301) 528-2010
www.clarkazar.com
A Woman Owned Small Business

EX. USE: EDUCATION
PROP. USE: EDUCATION
TOWN: NONE
ELECTION DISTRICT: 5
COUNTY: CARROLL COUNTY
STATE: MARYLAND

OWNER: BOARD OF EDUCATION OF CARROLL COUNTY
125 N. COURT STREET, WESTMINSTER, MD 21157

DEVELOPER: CARROLL COUNTY PUBLIC SCHOOLS
125 N. COURT STREET, WESTMINSTER, MD 21157
WILLIAM CAINE, WECAINE@CARROLLK12.ORG, 410-386-1817



AFFIRMATION

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

LICENSE NO. 3209

EXPIRATION DATE: 09/23/2025

SHEET TITLE
ENVIRONMENTAL RESOURCES MAP

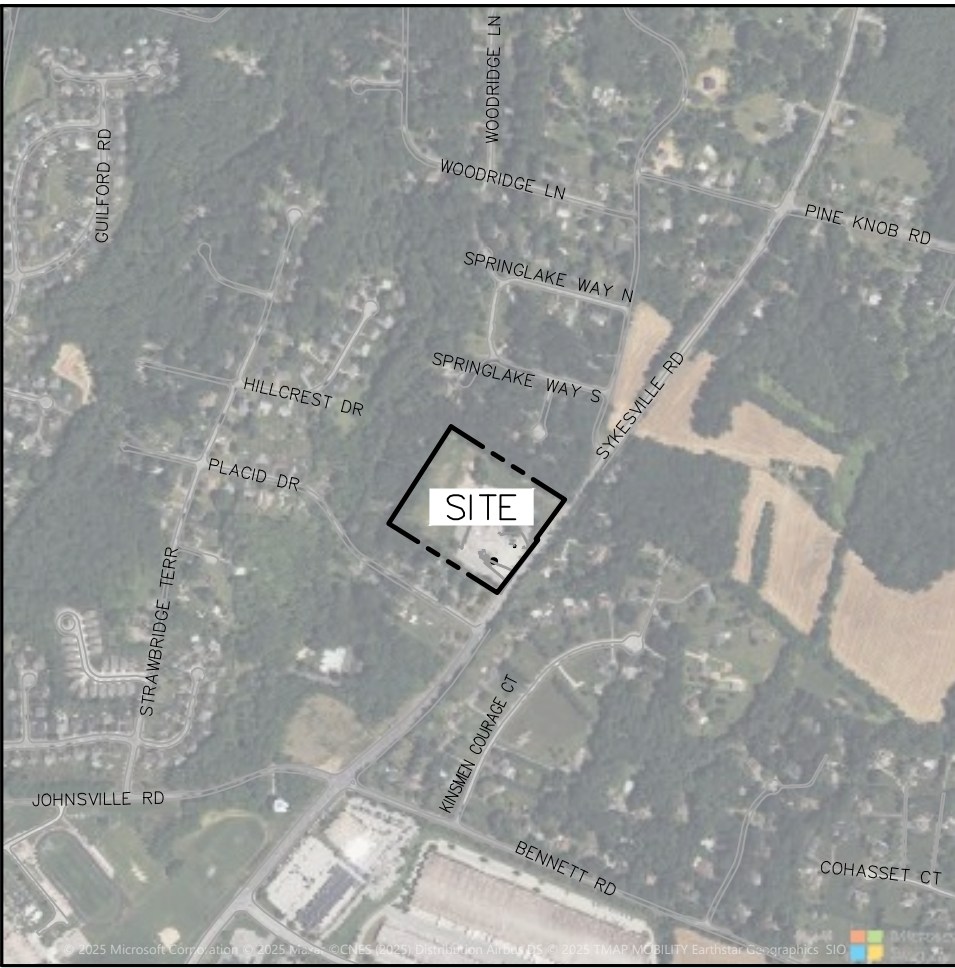
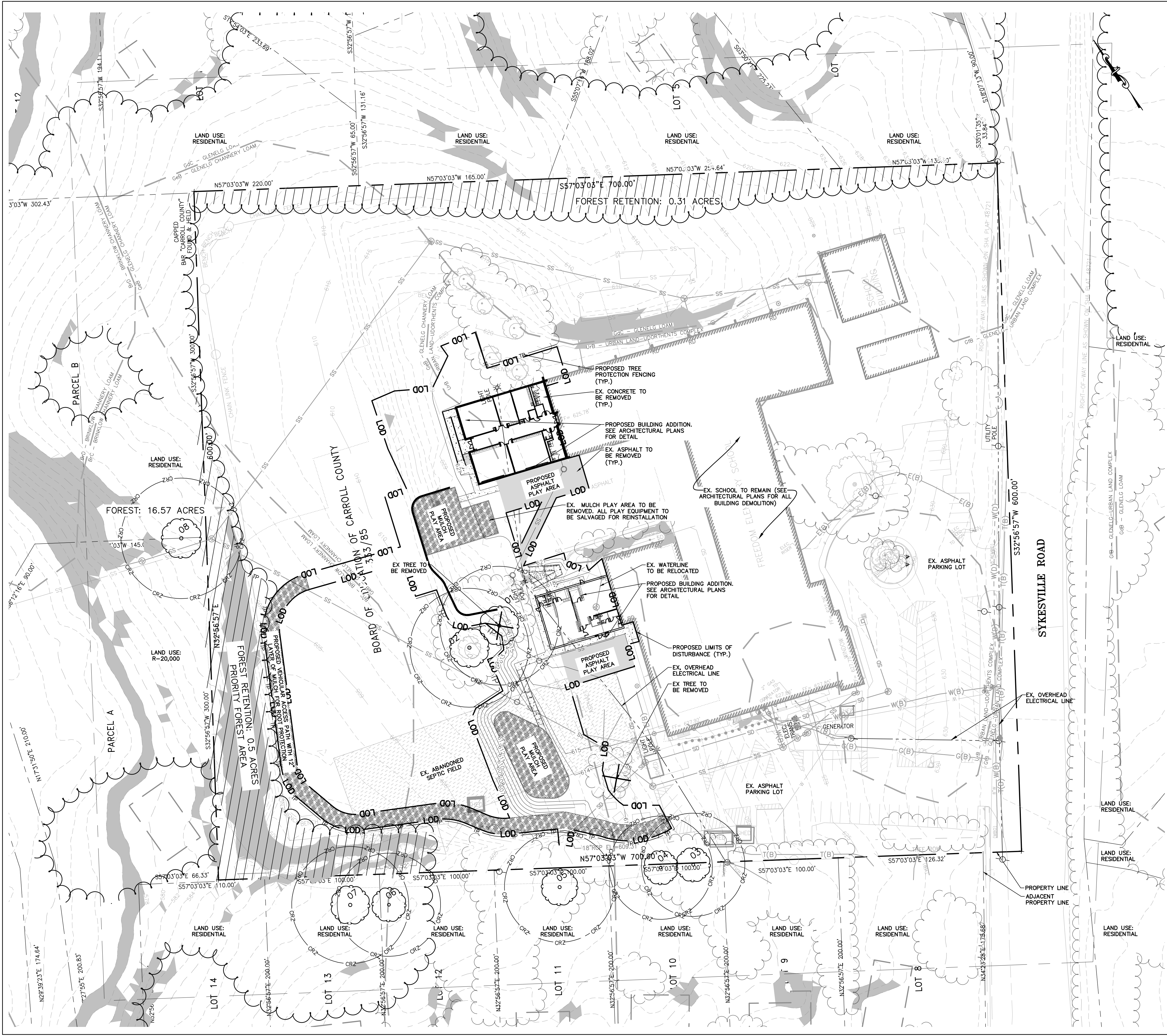
SCALE: SEE PLAN

GRAPHIC SCALE

SHEET NUMBER

CC FILE # S-24-0034

L-0.1



VICINITY MAP
SCALE: 1"=1000'

LEGEND	
	EX. 2' INTERMEDIATE CONTOUR
	EX. 10' INDEX CONTOUR
	EX. PROPERTY LINE
	EX. ADJACENT PROPERTY LINE
	PROPOSED LIMITS OF DISTURBANCE
	EX. SOIL LINE
	STUDY BOUNDARY
	EX. TREE CANOPY
	EX. FOREST LINE
	EX. CRITICAL ROOT ZONE
	EX. SPECIMEN TREE
	EX. TREE TO BE REMOVED
	EX. STEEP SLOPES (GREATER THAN OR EQUAL TO 25%)
	EX. ABANDONED SEPTIC FIELD
	PROPOSED FOREST RETENTION
	PROPOSED MULCH
	PROPOSED CONCRETE PAVEMENT
	PROPOSED ASPHALT PAVEMENT
	EX. MULCH TO BE REMOVED
	EX. CONCRETE PAVEMENT TO BE DEMOLISHED
	EX. ASPHALT PAVEMENT TO BE DEMOLISHED

NOTES:
1. WHEN TUBE SHELTERS ARE USED, THEY MUST BE REMOVED PRIOR TO RELEASE OF BONDS.

PROJECT NAME
FREEDOM ELEMENTARY SCHOOL - ADDITION

PROJECT ADDRESS
5626 Sykesville Rd. Sykesville, MD 21784

DC Project No. 24-P-0490
Owner Project No. XXXX

OWNER/DEVELOPER
CARROLL COUNTY PUBLIC SCHOOLS

PROJECT SUBMISSION
SCHEMATIC DESIGN SET

REVISION#	ISSUED FOR	DATE
1	SCHEMATIC DESIGN	11/01/2024
2	DESIGN DEVELOPMENT	03/21/2025

Design Collective

601 East Pratt Street, Suite 300
Baltimore, Maryland 21202
P 410 685 6555 | www.designcollective.com

ARCHITECTURE PLANNING INTERIORS
LANDSCAPE ARCHITECTURE GRAPHICS

DESIGN COLLECTIVE, INC. ALL RIGHTS RESERVED

CONSULTANT

CLARK | AZAR & ASSOCIATES

20501 Seneca Meadows Pkwy, Suite 230
Germantown, MD 20876
T(301) 528-2010
www.clarkazar.com
A Woman Owned Small Business

EX. USE: EDUCATION
PROP. USE: EDUCATION
TOWN: NONE
ELECTION DISTRICT: 5
COUNTY: CARROLL COUNTY
STATE: MARYLAND

OWNER: BOARD OF EDUCATION OF CARROLL COUNTY
125 N. COURT STREET, WESTMINSTER, MD 21157

DEVELOPER: CARROLL COUNTY PUBLIC SCHOOLS
125 N. COURT STREET, WESTMINSTER, MD 21157
WILLIAM CAINE, WEICANE@CARROLLK12.ORG, 410-386-1817

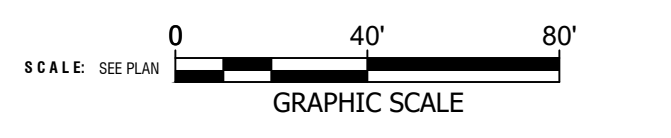


AFFIRMATION
PROFESSIONAL CERTIFICATION: I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 3209

EXPIRATION DATE: 09/23/2025

SHEET TITLE
PRELIMINARY FOREST CONSERVATION PLAN



SHEET NUMBER

L-0.2

CC FILE # S-24-0034

Forest Conservation Worksheet

A. Forest to be cleared:

0

B. Reforestation Required:

0

(Forest which is cut or cleared, measured to the nearest one-tenth acre, shall be reforested at a ratio of one acre planted or banked for every one acre of forest removed.)

C. Net Tract Area:

9.64

D. Minimum Forest Threshold:

1.93

(15% for areas zoned commercial or industrial, or institutional development areas; 20% for all other zones)

E. Existing Forest within the Net Tract Area:

0.81

F. Forest to be Retained (E – A):

0.81

G. Forest Credit (B + F):

0.81

H. Afforestation Required (D - G):

1.12

(Afforestation may be addressed by retaining in an easement forest that is within the net tract area, planting, or banking. If H < 0, no afforestation is required.)

NOTES:
1. MITIGATION WILL BE PROVIDED BY TRANSFER OF FOREST BANKING CREDITS IN THE AMOUNT OF 0.81 ACRES.

FOREST CONSERVATION WORKSHEET

1/8/25, 12:57 PM

SDAT: Real Property Data Search

Real Property Data Search ()

Search Result for CARROLL COUNTY

View Map

View GroundRent Redemption

View GroundRent Registration

Special Tax Recapture: None

Account Identifier: District - 05 Account Number - 003210

Owner Name: BOARD OF EDUCATION OF CC

Use: EXEMPT COMMERCIAL

Principal Residence: NO

Mailing Address: 125 N COURT ST

Deed Reference: /00333/ 00085

WESTMINSTER MD 21157-5192

Location & Structure Information

Premises Address: 5626 SYKESVILLE RD

Legal Description: APPROX 9.64 AC

0-0000 NW/S SYKESVILLE RD

FREEDOM ELEM SCHOOL

Map: Grid: Parcel: Neighborhood: Subdivision: Section: Block: Lot: Assessment Year: Plat No:

0068 0024 0051 10000.07 0000 2025

Town: None

Primary Structure Built Above Grade Living Area Finished Basement Area Property Land Area County Use

1955 44,499 SF 9,6400 AC

StoriesBasementType ExteriorQualityFull/Half BathGarageLast Notice of Major Improvements

ELEMENTARY SCHOOL/ C4

Value Information

Base Value Value Phase-in Assessments

As of As of As of As of

01/01/2025 07/01/2024 07/01/2025

Land: 2,519,500

Improvements: 4,598,600

Total: 7,118,100

Preferential Land: 0

2,519,500 4,843,200 7,362,700 7,118,100 7,199,633

Transfer Information

Seller: Date: Price: \$0

Type: Deed1: /00333/ 00085 Deed2:

Exemption Information

Partial Exempt Assessments: Class 07/01/2024 07/01/2025

County: 440 7,118,100.00 7,199,633.00

State: 440 7,118,100.00 7,199,633.00

Municipal: 440 0.00|0.00 0.00|0.00

Special Tax Recapture: None

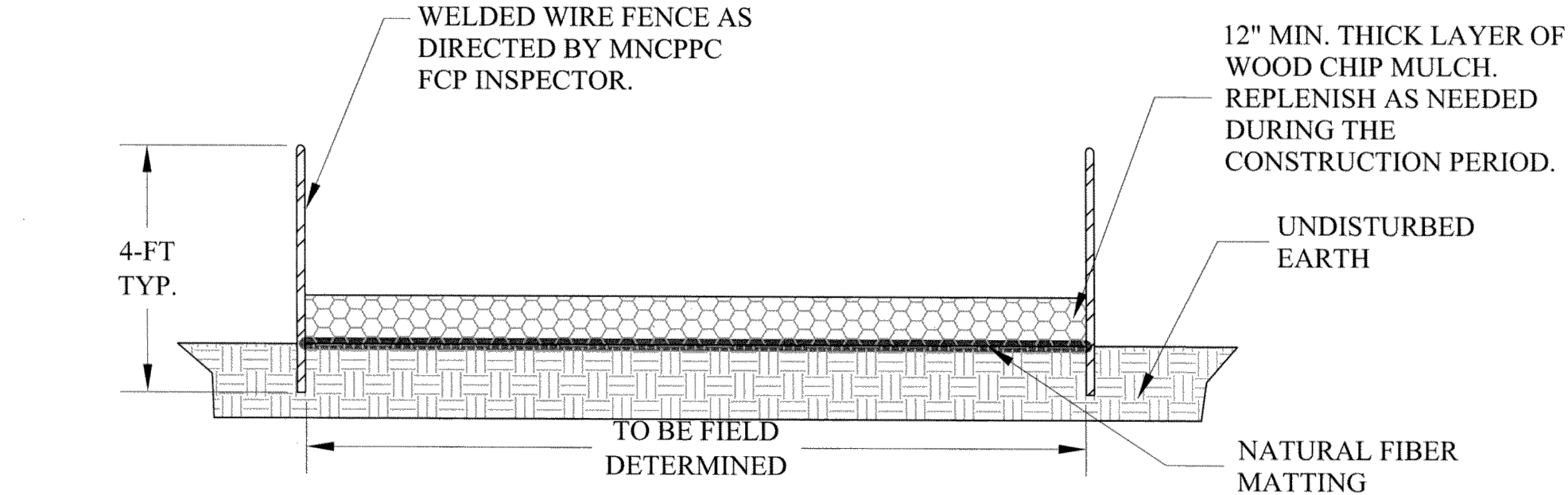
Homestead Application Information

Homestead Application Status: No Application

Homeowners' Tax Credit Application Information

Homeowners' Tax Credit Application Status: No Application Date:

REAL PROPERTY DATA SEARCH



- NOTES:
- Mulch root protection to be installed as indicted on the approved forest conservation or tree save plans in critical root zones of trees to be saved.
 - Access routes to be verified by the MNCPPC Forest Conservation Program (FCP) Inspector at the preconstruction meeting. Revisions to the alignment that minimize tree disturbance are encouraged and require review and approval by the MNCPPC FCP
 - Mulch root protection to be installed as indicted on the approved forest conservation or tree save plans in critical root zones of trees to be saved.
 - Access routes to be verified by the Inspector at the preconstruction meeting.
 - Revisions to the alignment that minimize tree disturbance are encouraged and require review and written approval by the Inspector.
 - Natural fiber matting shall be placed with seams parallel to the flow of traffic. Overlap fabric by 18" minimum at seams.
 - Natural fiber matting may be eliminated by the written direction of the Inspector.
 - Contractor shall maintain mulch mat in good condition throughout the construction period.
 - Upon completion of the project mulch can remain in place at a maximum depth of 2", unless otherwise directed.
 - Scarification of compacted mulch to occur upon removal of haul road at direction of the Inspector.
 - The root protection system is designed to prevent the compaction of existing soils and tree roots using low pressure equipment which exerts no more than 8 psi. If the contractor intends to use any equipment with higher loads, additional protection measures must be provided.

TREE PROTECTION DETAILS



April 3, 2025

To: Environmental Review Coordinator
Department of Natural Resources
Tawes State Office Building, E-1
580 Taylor Avenue
Annapolis, Maryland 21401

From: Clark | Azar & Associates, Inc.
20501 Seneca Meadows Parkway, Suite 230
Germantown, Maryland 20876

re: Letter of Request for Determination of Rare, Threatened, or Endangered Species and Habitats
Freedom Elementary School - Addition, 5626 Sykesville Road, Sykesville, Maryland 21784

To whom it may concern,

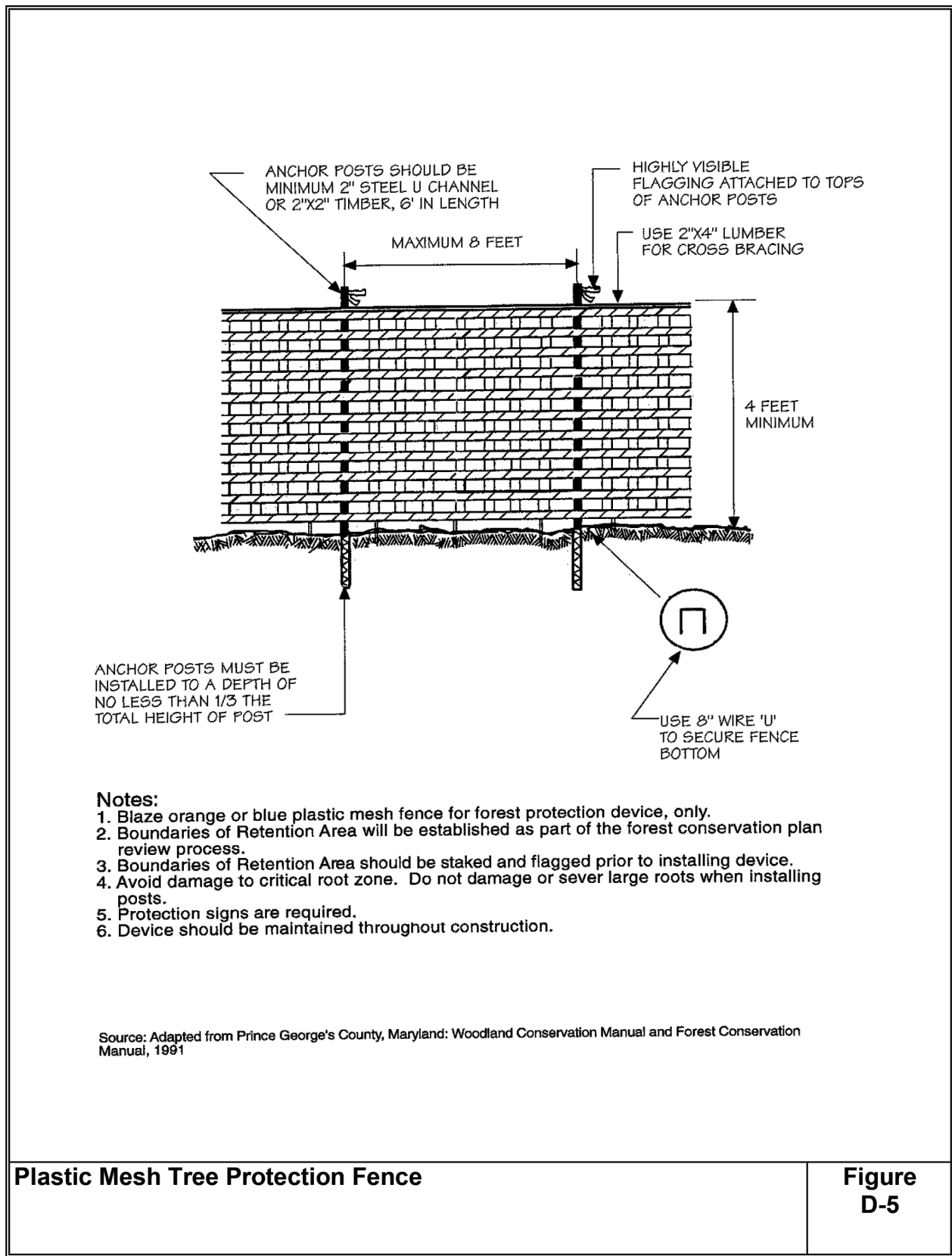
Clark | Azar & Associates, Inc. is preparing a Forest Conservation Plan and Simplified Forest Stand Delineation for proposed improvements at the 9.62-acre Freedom Elementary School located in Sykesville, Maryland. The purpose is to determine if the project qualifies for a Simplified Plan, considering there is no forest clearing within the study area. Clark | Azar & Associates requests a letter determining whether rare, threatened, or endangered species or their critical habitats have been documented on the property. Please refer to the attached vicinity map, sourced from MDOT State Highway Administration, and site map. If you have any questions, please contact us.

Thank you.

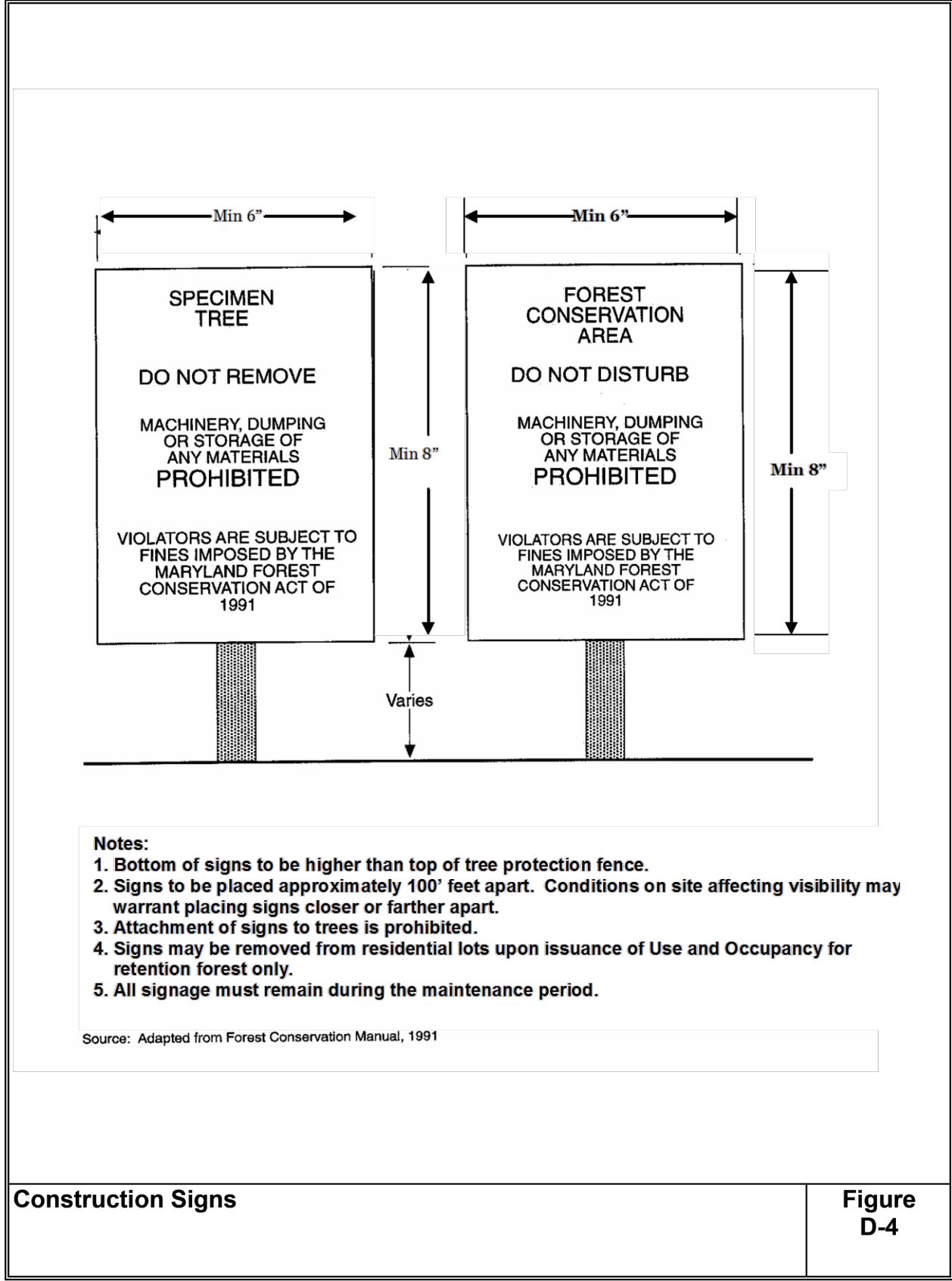
Sincerely,
Brian Jacobson
Brian Jacobson
Sr. Landscape Architect
Clark | Azar & Associates, Inc.

Clark | Azar & Associates, Inc.
20501 Seneca Meadows Parkway
Suite 230
Germantown, MD 20876
(301) 528-2010
www.clarkazar.com

LETTER OF REQUEST FROM DNR



TREE PROTECTION FENCE



CONSTRUCTION SIGNS

CC FILE # S-24-0034

FREEDOM ELEMENTARY SCHOOL - ADDITION

PROJECT ADDRESS
5626 Sykesville Rd. Sykesville, MD 21784

DC Project No. 24-P-0490

Owner Project No. XXXX

CARROLL COUNTY PUBLIC SCHOOLS

PROJECT SUBMISSION

SCHEMATIC DESIGN SET

REVISION#	ISSUED FOR	DATE
1	SCHEMATIC DESIGN	11/01/2024
2	DESIGN DEVELOPMENT	03/21/2025

Design Collective

601 East Pratt Street, Suite 300
Baltimore, Maryland 21202
P 410 685 6551 | www.designcollective.com

ARCHITECTURE PLANNING INTERIORS
LANDSCAPE ARCHITECTURE GRAPHICS

DESIGN COLLECTIVE, INC. ALL RIGHTS RESERVED

CONSULTANT



KEY PLAN
CLARK | AZAR & ASSOCIATES

EX. USE: EDUCATION
PROP. USE: EDUCATION
TOWN: NONE
ELECTION DISTRICT: 5
COUNTY: CARROLL COUNTY
STATE: MARYLAND

OWNER: BOARD OF EDUCATION OF CARROLL COUNTY
125 N. COURT STREET, WESTMINSTER, MD 21157

DEVELOPER: CARROLL COUNTY PUBLIC SCHOOLS
125 N. COURT STREET, WESTMINSTER, MD 21157
WILLIAM CAINE, WECAINE@CARROLLK12.ORG, 410-386-1817

SEAL



AFFIRMATION

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

LICENSE NO. 3209

EXPIRATION DATE: 09/23/2025

SHEET TITLE

PRELIMINARY FOREST CONSERVATION PLAN NOTES AND DETAILS

SCALE: SEE PLAN

SHEET NUMBER

L-0.3