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Kerrie Koopman CPPB, CPPO,  
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**Purchasing Agent**  
Shane Ryberg, Purchasing Agent

## ADDENDUM

April 17, 2020

### ADDENDUM # 4

**Bid 20C11, Relocation of Multi-Classroom Portable Unit from Centerville Elementary School to Monocacy Elementary School**

**REVISED DUE DATE: Friday, April 24, 2020, prior to 11:00 A.M. at:**

**<https://secure.procurenw.com/portal/fcps> (must be signed up prior to using this link)**

This addendum is being issued to provide additions, corrections, clarifications and answers to certain questions raised referencing the original proposal packages and any resultant contracts for the above bid.

1. Please note the revised due date: **Friday, April 24, 2020, prior to 11:00 a.m.**  
**Bids will be opened and publicly read utilizing Skype Business (formerly known as Lync):**  
**(240) 236-6172 (FCPS) Conference ID: 9065784**
2. FCPS is accepting electronic bid submissions through ProcureNow. Instructions on how to do so may be found at <https://www.fcps.org/fiscal/solicitations-and-awards>. No bid submissions will be accepted via mail. If you have any issues using the ProcureNow site, please let us know so we can assist you. Scans, copies, or photos of the bid bonds can be submitted via ProcureNow. Original bid bonds are required to be mailed in, and must be postmarked no later than the day of the bid opening.
3. This Addendum includes the following attachment(s):
  - a. Questions/Answers (2 pages)
  - b. Drawings (9 pages)
  - c. Skype Conference Call I.D. 9065784 - Pre-Bid Attendance Roster (1page)
  - d. Pre-Bid Meeting Notes (2 pages)

Thank you for your interest in bidding with Frederick County Public Schools and we apologize for any inconvenience this may have caused.

Sincerely,

*Bill Meekins*

Bill Meekins CPPB, CPPO, CSBO, CPCP  
Purchasing Agent

BM/ab

cc: Tony Ray, Project Manager III, Construction Management

Relocation Bid 20C11 Questions with FCPS responses.

1. What is size of each module? In general, 14' x 66' each manufacturer will be slightly under that box size for over the road transport.
2. Will furniture be removed from building prior to start of work? FCPS will remove furniture and retains the right to salvage. Salvage requested items will be identified before demolition starts.
3. Who is responsible for paying taxes? Will FCPS be sending a tax exempt certificate? Please reference response questions from addendum 3.
4. Will FCPS be responsible for removing old sonotube footers under existing modular that are being demolished? The awarded demolition bidder will be responsible for sonotube removal and offsite disposal, the contractor will also be responsible to Back fill and compact the sonotube excavation to accommodate stable soil for the Modular classroom to be installed.
5. Can bids be sent via fed ex or hand delivered? Bids will be submitted via ProcureNow
6. Are the axles, tires, hitches still attached to buildings at Centerville? Tires and axles as well as the hitches are stored under the portable. It will be the relocation contractor responsibility to reinstall for relocation and providing hardware to reinstall those components. Tires are there the contractor will be responsible for tires necessary for transporting should there be any problems with the existing tires. A contractor's option may be, separate the modular units which could be loaded on a tractor and trailer for transportation if the over the road height is not exceeded.
7. Does the lauan underlayment need to be removed and replaced at Mate Lines or in the entire building? The Lauan sub-floor and VCT

is installed throughout the modular. Each mate line must be cut to separate the modular. The tile flooring will be required to be cut back not less than 9" on each side of the mate line, new lauan mate line sub-floor patch installed and the VCT tile floor patched with a comparable VCT floor tile. NO CARPET BARS

PERMITTED. This occurs in all classrooms and the corridor.

8. Will the buildings be placed on asphalt or grass at Monocacy? Part of the modular building will be located on asphalt requiring drive tiedown anchors, part of the modular building will be on soil requiring auger style tiedown anchors. ABS PADS on the asphalt will not require one foot deep excavation to accommodate the 1 foot deep shallow foundation system. The ABS pads that are on asphalt may be places directly on the asphalt. All Foundations on soil will require shallow foundations systems under the ABS pads. Shallow Foundations for this modular requires 1 foot excavation filled with clean stone not less than 4" beyond the abs pad. Undamaged ABS pads from Centerville may be reused at Monocacy Elementary.
9. Will the portion of the buildings being placed on asphalt need the shallow foundation or can the ABS pads be placed directly on the asphalt? The ABS pads that are on asphalt may be places directly on the asphalt. Tie Downs on the Asphalt will require drive anchoring system components opposed to the auger tiedown systems. Shallow Foundations for this modular requires a 1 foot excavation filled with clean stone not less than 4" beyond the ABS pad size. Undamaged ABS pads from Centerville may be reused at Monocacy Elementary.



# MONOCACY ELEMENTARY SCHOOL PORTABLE INSTALLATION IMPROVEMENT PLAN

## LEGEND

○	EXISTING MANHOLE	=====	PROPOSED STORM DRAIN
=====	EXISTING SANITARY SEWER	=====	PROPOSED CONTOUR MINOR
=====	EXISTING STORM DRAIN	=====	PROPOSED CONTOUR INDEX
=====	EXISTING UTILITY WIRE	=====	PROPOSED CONTOUR
=====	EXISTING WATER LINE	=====	PROPOSED PORTABLE
=====	EXISTING FIRE HYDRANT	=====	PROPOSED SIDEWALK
=====	EXISTING CONTOUR MINOR	=====	PROPOSED SIDEWALK
=====	EXISTING CONTOUR INDEX	=====	PROPOSED SIDEWALK
=====	EXISTING LIGHT	=====	PROPOSED SIDEWALK
=====	EXISTING SIGN	=====	PROPOSED SIDEWALK
=====	EXISTING FENCE	=====	PROPOSED SIDEWALK
=====	EXISTING WATER METER	=====	PROPOSED SIDEWALK
=====	EXISTING GAS	=====	PROPOSED SIDEWALK
=====	CONCRETE CURB AND GUTTER	=====	PROPOSED SIDEWALK

## GENERAL NOTES

- SITE IS KNOWN AS "MONOCACY ELEMENTARY SCHOOL" AND IS SHOWN ON FREDERICK COUNTY TAX MAP NO. 401, PARCEL 1440, TAX ID NO. 02-157535, LIBER 1453, FOLIO 815. THE SITE IS ZONED - INSTITUTIONAL SITE AREA IS 530,561 SQ.FT. OR 12.33 AC.
- THIS PLAN HAS BEEN PREPARED WITHOUT BENEFIT OF A TITLE REPORT.
- UTILITIES SHOWN ARE BASED ON PLANS PROVIDED BY FREDERICK COUNTY PUBLIC SCHOOLS. THEIR LOCATION SHOULD BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BEFORE COMMENCEMENT OF ANY CONSTRUCTION.
- NO TOPOGRAPHIC OR BOUNDARY SURVEY WAS PREPARED.
- THERE IS NO FLOODPLAIN ON THIS PROPERTY. THE SITE IS IN ZONE "X" (OUTSIDE THE 500-YEAR FLOODPLAIN) AS PER FEMA FLOOD INSURANCE RATE MAP NO. 24021C-0283D, DATED SEPTEMBER 19, 2007.
- SOILS INFORMATION TAKEN FROM "SOILS SURVEY OF FREDERICK COUNTY", 2010 EDITION.  
DWB-DUFFIELD-HAGERSTOWN URBAN LAND COMPLEX, 3 TO 8 PERCENT SLOPES
- THERE ARE NO NON-TIDAL WETLANDS LOCATED IN THE LIMITS OF DISTURBANCE FOR THIS PROJECT PER MD DNR.
- DEVELOPMENT OF THIS SITE IS SUBJECT TO THE REQUIREMENTS OUTLINED IN THE CITY OF FREDERICK LAND MANAGEMENT CODE, SECTION 407 "PERFORMANCE STANDARDS FOR FLEXIBLE ZONING TECHNIQUES" ZONE (1ST).

Standard	Required	Provided (or Proposed)
Density	N/A	N/A
FAR	N/A	N/A
Trip Cap per Acre	913	N/A*
% Stormwater treated by non structural practices	5%	100%
Street Connectivity	1.2	N/A
Design Category	CLASS C	PORTABLE CLASS ROOM

\* NO NEW TRIPS ARE TO BE CREATED WITH THE ADDITION OF THE PORTABLE

- PARKING REQUIREMENTS PER SECTION 607, TABLE 607-1 OF THE LAND MANAGEMENT CODE FOR SCHOOLS, PUBLIC:  
MINIMUM 1 PER CLASSROOM  
MAXIMUM 2.5 PER CLASSROOM

CLASSROOMS (PERMANENT AND TEMPORARY): 45

MINIMUM PARKING REQUIRED: 45

MAXIMUM PARKING ALLOWED: 113

PARKING PROVIDED: 84 PLUS 4 ACCESSIBLE SPACES

- ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE LATEST CITY OF FREDERICK STANDARD SPECIFICATIONS AND DETAILS, AND WHERE APPLICABLE THE MARYLAND STATE HIGHWAY ADMINISTRATION SPECIFICATIONS AND DETAILS.
- ALL ACCESSIBILITY DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STATE OF MARYLAND ACCESSIBILITY CODE (COMAR 05.02.02) AND THE AMERICANS WITH DISABILITIES ACT (ADA), LATEST EDITIONS.
- TOTAL SITE AREA ..... 537,095 SQ.FT. OR 12.33 AC.  
EXISTING BUILDING FOOTPRINT (ON-SITE) ..... 47,227 SQ.FT. OR 1.08 AC.  
EXISTING BUILDING SQUARE FOOTAGE (ON-SITE)..... 47,227 SQ.FT. OR 1.08 AC.  
EXISTING SITE IMPERVIOUS AREA..... 59,384 SQ.FT. OR 1.36 AC.  
EXISTING SITE IMPERVIOUS AREA REMOVED..... 11,099 SQ.FT. OR 0.25 AC.  
PROPOSED BUILDING FOOTPRINT ..... 47,406 SQ.FT. OR 1.09 AC.  
PROPOSED BUILDING SQUARE FOOTAGE..... 47,406 SQ.FT. OR 1.09 AC.  
PROPOSED SITE IMPERVIOUS AREA ..... 56,036 SQ.FT. OR 1.29 AC.  
TOTAL IMPERVIOUS PERCENT = 11%
- TRASH PICKUP IS BY PRIVATE CONTRACTOR.
- A SITE PLAN ENFORCEMENT AGREEMENT WILL BE EXECUTED PRIOR TO BUILDING PERMIT ISSUANCE.
- THE PURPOSE OF THIS PLAN IS TO REMOVE 10 EXISTING INDIVIDUAL PORTABLES AND ADD A SINGLE 12 CLASSROOM PORTABLE TO THE EXISTING MONOCACY ELEMENTARY SCHOOL SITE IN FREDERICK.
- NO ARCHAEOLOGICAL ASSESSMENT WAS CONDUCTED FOR THE SITE.
- NO NEW SIGNAGE IS PROPOSED FOR THE SITE.
- THE PROPOSED PORTABLE CLASSROOMS ARE INTENDED TO BE TEMPORARY IN NATURE AND THE AREA THAT THEY ARE PLACED ON IS TO BE RETURNED TO ITS PREVIOUS STATE UPON REMOVAL OF THE PORTABLE.
- THE PROJECT WAS PRESENTED AT THE NAC 3 MEETING ON FEBRUARY 24, 2020.
- EXEMPTION FROM ADEQUATE PUBLIC FACILITIES ORDINANCE TESTING FOR WATER (CAPF-WL-SECTION 4-9(A)(3)(D)), SEWER (CAPF-SL-SECTION 4-10(A)(3)(D)), AND ROADS (CAPF-R-SECTION 4-11(A)(2) & 4-11(A)(3)(D)) WAS APPROVED ON FEBRUARY 24, 2020. AS THIS IS A PUBLIC SCHOOL SITE, TESTING IS NOT APPLICABLE FOR SCHOOLS (CAPF-SCH).
- FOREST CONSERVATION REQUIREMENTS ARE NOT REQUIRED AS SITE IS UNDER 40,000 SF.
- CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT (800) 257-7777 AND THE CITY OF FREDERICK DEPARTMENT OF ENGINEERING AT (301) 800-1406 AT LEAST 72 HOURS PRIOR TO START OF CONSTRUCTION. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. BEFORE EXCAVATION THE CONTRACTOR IS RESPONSIBLE FOR CALLING TICKET CHECK AT 1-866-821-4226 TO VERIFY THAT ALL UTILITIES HAVE BEEN MARKED. 72 HOURS AFTER CALLING "MISS UTILITY", NOTIFY SHA FOR SIGNAL OR LIGHTING CIRCUIT LOCATION ON STATE ROADWAYS.
- ALL TAPS TO CITY OF FREDERICK WATER LINES SHALL BE PERFORMED BY THE CITY OF FREDERICK DEPARTMENT OF PUBLIC WORKS AT THE DEVELOPER'S EXPENSE.

- CONTRACTOR SHALL NOT TAP OR OTHERWISE PENETRATE EXISTING SEWER MAIN LINES WITHOUT PRIOR APPROVAL FROM THE DEPARTMENT OF ENGINEERING AND/OR DPW. CONTRACTOR IS RESPONSIBLE TO AVOID SPILLAGE OF RAW SEWAGE. CONTRACTOR SHALL PROVIDE ALL SEWER PLUGGING AND PUMPING EQUIPMENT NECESSARY TO AVOID SPILLAGE.
- CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF TRAFFIC ON EXISTING ROADWAYS IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE MARYLAND STATE HIGHWAY ADMINISTRATION (SHA) BOOK OF STANDARDS, LATEST EDITIONS. ALL UTILITIES AND STORM DRAINS OUTSIDE OF CITY OF FREDERICK RIGHT-OF-WAY OR PUBLIC UTILITY EASEMENTS TO BE OWNED AND MAINTAINED BY PROPERTY OWNERS.
- WHEN WORKING IN THE AREA OF AN EXISTING GAS LINE, THE CONTRACTOR SHALL HAVE THE WASHINGTON GAS COMPANY (301) 662-2151 VERIFY THAT NO LEAKS EXIST PRIOR TO ANY WORK IN THE AREA. A GAS COMPANY REPRESENTATIVE MUST BE PRESENT AT THE PROJECT SITE BEFORE ANY BLASTING WITHIN 20 FEET OF GAS LINES. ANY EXCAVATION WITHIN FIVE (5) FEET OF A GAS LINE SHALL BE DONE BY HAND. THE DEVELOPER, OR THE DEVELOPER'S REPRESENTATIVE SHALL GET APPROVAL FROM THE GAS COMPANY FOR ANY WORK WITHIN A GAS LINE EASEMENT AREA.
- ALL EXTERIOR WATER VALVES MUST OPEN RIGHT.
- INSTALLATION OF ONSITE UTILITIES AND MATERIALS SHALL COMPLY WITH THE CURRENT CITY OF FREDERICK PLUMBING CODE AND WHERE DEEMED APPLICABLE, AND THE CITY OF FREDERICK STANDARD DETAILS AND SPECIFICATIONS MANUAL.
- THE CONTRACTOR SHALL NOT (1) STAGE WORK, (2) STORE MATERIALS OR (3) PERMIT PARKING OF EQUIPMENT AND/OR CONSTRUCTION-RELATED VEHICLES IN THE PUBLIC RIGHTS-OF-WAY OR PUBLICLY-OWNED PROPERTY WITHOUT PRIOR APPROVAL OF THE CITY TRAFFIC ENGINEER OR DESIGNER. WHERE PRACTICAL AND TO THE DEGREE POSSIBLE, THE ENGINEER SHALL DESIGNATE ON THESE PLANS APPROPRIATE SPACE THAT CAN BE UTILIZED FOR THE ABOVE PURPOSES. IT IS THE CONTRACTOR'S ULTIMATE RESPONSIBILITY TO ENSURE THAT PROPER AND APPROPRIATE AREAS ARE SECURED FOR THESE USES FOR THE DURATION OF THE PROJECT.
- IMPROVEMENT PLANS SHALL CLEARLY SHOW THE FINALIZED LOCATIONS OF ALL POWER UTILITIES ABOVE AND BELOW GROUND (POWER LINES, VAULTS, DUCT BANKS, SWITCHGEARS AND ANY OTHER ASSOCIATED APPURTENANCES). ALL ELECTRIC SERVICE EQUIPMENT IN THE DOWNTOWN AREA SHALL BE SUBTERRANEAN. NO PRIVATE ELECTRICAL APPURTENANCES OF ANY KIND SHALL BE PERMITTED WITHIN THE PUBLIC RIGHT OF WAY.
- CONTRACTOR IS RESPONSIBLE FOR ALL COSTS RELATED TO TEMPORARY AND PERMANENT TRAFFIC CONTROL (PAVEMENT MARKINGS, SIGNAGE, SIGNALIZATION, TRAFFIC BARRIER, FLAGGERS, ETC).
- ANY LANE AND/OR ROAD CLOSURES REQUIRE FOUR (4) WEEKS ADVANCE NOTICE AND A PERMIT FROM THE CITY OF FREDERICK TRAFFIC ENGINEER. THE CITY TRAFFIC ENGINEER CAN BE REACHED BY PHONE AT 301-800-1498.
- IF ROAD OR ANY PART OF ROAD IS TO BE CLOSED, A DETAILED DETOUR AND/OR CLOSURE PLAN SHALL BE SUBMITTED TO THE CITY TRAFFIC ENGINEER FOR APPROVAL.
- IF TEMPORARY PARKING, INGRESS/EGRESS OR PEDESTRIAN RESTRICTIONS SHALL BE REQUIRED DURING PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING SIGNS AND NOTIFYING ALL AFFECTED RESIDENTS/BUSINESSES AT LEAST ONE (1) DAY IN ADVANCE. CONTRACTOR IS RESPONSIBLE FOR CONTACTING APPROPRIATE CITY OR COUNTY AUTHORITY BEFORE ANY OF THE ABOVE MODIFICATIONS ARE ENACTED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING DUST, DEBRIS AND MUD FROM ENTERING ALL ROADWAYS. IF DUST, DIRT, DEBRIS AND/OR MUD HAPPEN TO OVERRIDE THE PREVENTION MEASURES AND ENTER THE ROADWAY OR SIDEWALK, THE CONTRACTOR SHALL BE REQUIRED TO CLEAN THE ROADWAY OR SIDEWALK AS SOON AS POSSIBLE, AT HIS/HER EXPENSE. SEE CITY OF FREDERICK MUD ORDINANCE PURSUANT TO SECTION 22-2 OF THE FREDERICK CITY CODE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ELIMINATION OF DUST IN THE AIR BY THE REQUIRED WATERING OF THE GROUND AS NEEDED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING SILT AND DEBRIS OUT OF STORM DRAIN SYSTEM DURING CONSTRUCTION AND SHALL CLEAN THE SYSTEM THOROUGHLY, AT THE CONTRACTOR'S EXPENSE, PRIOR TO FINAL ACCEPTANCE BY THE CITY.
- ALL BENCHMARKS SHALL BE MAINTAINED FOR THE DURATION OF CONSTRUCTION UNTIL CITY HAS GRANTED FINAL APPROVAL TO THE PROJECT.
- PLACE 4" MINIMUM OF TOPSOIL IN ALL GREEN AREAS BEFORE PERMANENT SEEDING IS PERFORMED.
- MINIMUM 2% SLOPES MUST BE PROVIDED FOR ADEQUATE DRAINAGE OF GRASSY AREAS.
- DRIVEWAYS SHALL HAVE A MAXIMUM 15% SLOPE.
- ONLY STEEL FORMS ARE TO BE USED WHILE PLACING SIDEWALK FOR STRAIGHT SECTIONS AND RADII GREATER THAN 20'.
- HORIZONTAL DATUM SHALL BE MD STATE PLANE COORDINATE SYSTEM NAD 83/91 AND VERTICAL DATUM SHALL BE NATIONAL ADJUSTED VERTICAL DATUM 1988 (NAVD88).
- ALL CONTRACTORS MUST COMPLY WITH ALL APPLICABLE CITY, STATE AND FEDERAL LABOR AND INDUSTRY REGULATIONS TO INCLUDE CITY SAFETY & HEALTH POLICY, MOSHIA, OSHA, ECT.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WORK WITH REPRESENTATIVE UTILITY COMPANIES AND OWNER FOR IMPLEMENTING REQUIRED UTILITY RELATED WORK.
- WHERE NEW WORK IS TO BE DONE, CARE SHALL BE TAKEN TO PROTECT ALL EXISTING ADJACENT SURFACES AND AREA'S FROM DAMAGE. ANY AREA'S DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- IN THE EVENT THAT, DURING CONSTRUCTION ACTIVITIES THE CONTRACTOR ENCOUNTERS ANY EXISTING UTILITIES/STRUCTURES NOT SHOWN ON THESE PLANS, SAID UTILITIES SHALL BE LOCATED, AS-BUILT AND FORWARDED TO THE OWNER, WITH NOTIFICATION TO THE ENGINEER OF RECORD.
- REMOVE ALL CONCRETE TO NEAREST JOINT, WHERE APPLICABLE.
- WATER/SEWER SERVICE ARE W-1/S-1.
- BENCH MARK DATA  
a.TBM E3V XCUT SET IN NORTH RIM OF STORM DRAIN MANHOLE IN GRASS AT NORTHEAST CORNER OF INTERSECTION OF OPOSSUMTOWN PIKE AND HAYWARD ROAD. 332.79.  
b.TBM E2V XCUT SET ON TOP OF NORTHEAST BOLT IN CONCRETE BASE HOLDING TRAFFIC SIGNAL POLE ON EAST SIDE OF OPOSSUMTOWN PIKE ON NORTH SIDE OF ENTRANCE TO MONOCACY MIDDLE SCHOOL. 338.67.  
c.BM E1V EXISTING SQUARE CUT NORTHWEST CORNER OF CONCRETE HEADWALL AT TRIPLE 48" RCOP WEST SIDE OF OPOSSUMTOWN PIKE AT FREDERICK COMMUNITY COLLEGE. 339.39.  
d.BM C4V SQUARE CUT SET SOUTHEAST CORNER OF METER BOX AT NORTHWEST CORNER INTERSECTION OF HAYWARD ROAD AND AMBER DRIVE. 363.52.
- INSTALLATION OF ONSITE UTILITIES SHALL BE PERMITTED AND SCHEDULED FOR FIELD INSPECTION THROUGH THE BUILDING DEPARTMENT PLUMBING DIVISION.
- TRENCH, BEDDING, AND BACKFILLING SHALL FOLLOW CURRENT CITY OF FREDERICK PLUMBING CODE, AND ANY APPLICABLE MANUFACTURE INSTALLATION INSTRUCTIONS. FINAL BACKFILL AS NOTED BY SUITABLE FILL, IN THE CITY OF FREDERICK PLUMBING CODE, SHALL BE DETERMINED BY THE ENGINEER OF RECORD.
- MATERIAL CERTIFICATIONS SHALL BE MADE AVAILABLE WHEN REQUESTED BY THE CITY.
- MATERIALS OR INSTALLATIONS NOT ADDRESSED BY THE CITY OF FREDERICK PLUMBING CODE, OR BY THE CITY OF FREDERICK STANDARD DETAILS AND SPECIFICATIONS MANUAL, SHALL BE SUBMITTED FOR REVIEW TO THE BUILDING DEPARTMENT PRIOR TO INSTALLATION.
- ALL ON-SITE LIGHTING SHALL CONSIST OF ARCHITECTURALLY MOUNTED BUILDING LIGHTING ONLY AND SHALL BE PLACED IN A MANNER WHICH ELIMINATES GLARE INTO THE STREETS OR ADJACENT PROPERTIES AND DOES NOT CAST LIGHT SKYWARD OR OFF SITE. ALL LIGHTING TO BE BASED ON APPROVED CITY OF FREDERICK STANDARDS.
- CONTRACTOR SHALL BACKFILL EXCAVATED AREAS WITH ACCEPTABLE MATERIAL AS SPECIFIED IN CONTRACT DOCUMENTS.
- ALL SAW CUTS ARE TO BE STRAIGHT AND EVEN, JAGGED EDGES WILL NOT BE ACCEPTED.
- WATER LINE THRUST RESTRAINTS SHALL FOLLOW:  
ENGINEER OF RECORD DESIGN, AND/OR  
CITY OF FREDERICK DETAILS AND SPECIFICATIONS MANUAL AND/OR  
MANUFACTURES INSTALLATION INSTRUCTIONS FOR RESTRAINTS  
WATER PRESSURE ZONE 462.  
CASE HISTORY:  
STF20-083FSI

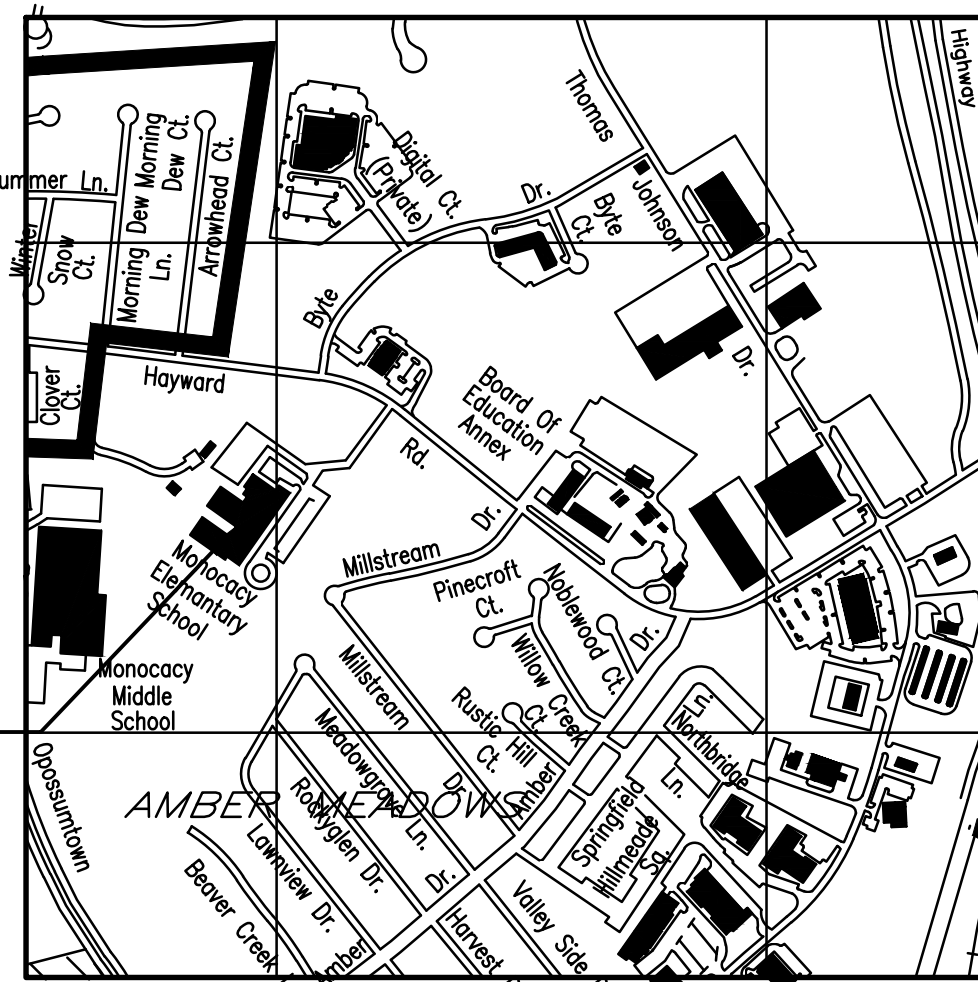
FINAL SITE PLAN

CONDITIONAL APPROVAL DATE: \_\_\_\_\_

PROJECT # STF20-083FSI

TAX MAP: 401  
PARCEL:1440  
P.B. 1453 P. 815  
ELECTION DISTRICT: 02

SITE



VICINITY MAP  
SCALE: 1" = 800'  
CITY OF FREDERICK STREET MAP  
GRID: J,K-2

## DISTURBED AREA QUANTITY NOT FOR BIDDING PURPOSES

THE TOTAL AREA TO BE DISTURBED SHOWN ON THESE PLANS HAS BEEN DETERMINED TO BE APPROXIMATELY 40,157 SQ. FT. (0.92 AC.) AND THE TOTAL AMOUNT OF EXCAVATION AND FILL AS SHOWN ON THESE PLANS HAS BEEN COMPUTED TO BE APPROXIMATELY 302 CU. YDS. OF EXCAVATION AND APPROXIMATELY 298 CU. YDS. OF FILL.

NAME: \_\_\_\_\_ DATE: 01 Apr 2020

PRINTED NAME: SHAWN BENJAMINSON

## ENGINEER/ARCHITECT DESIGN CERTIFICATION

I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE THAT THE PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH LOCAL ORDINANCES, COMAR 08.05.01 AND 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

26524 01 Apr 2020

SIGNATURE REG. NO. DATE

PRINTED NAME: SHAWN BENJAMINSON

## OWNER/DEVELOPER CERTIFICATION

I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.

TONY RAY, FCPS PROJECT MANAGER 01 Apr 2020

OWNER/DEVELOPER (NAME & TITLE PRINTED) DATE

(301) 644-5167

SIGNATURE TELEPHONE

## FREDERICK SOIL CONSERVATION DISTRICT

APPROVED BY: \_\_\_\_\_ DISTRICT MANAGER

DATE: \_\_\_\_\_

S.C.D. approval for sediment and erosion control is contingent upon issuance of all applicable regulatory permits.

## CITY OF FREDERICK

APPROVED: \_\_\_\_\_ FOR CONSTRUCTION

DATE: \_\_\_\_\_

CITY ENGINEER:

CONSTRUCTION APPROVAL BY CITY ENGINEER VALID FOR A PERIOD OF TWO (2) YEARS FROM DATE OF APPROVAL. IF A BONA FIDE ATTEMPT TO COMMENCE CONSTRUCTION HAS NOT BEGUN IN THIS TWO (2) YEARS PERIOD, CITY APPROVAL SHALL BE NULL AND VOID.

ALL APPROVALS ARE SUBJECT TO THE WATER ALLOCATION ORDINANCE AND IN NO WAY IMPLY ALLOCATION OF WATER. THE OWNER/DEVELOPER PROCEEDS WITH ANY IMPROVEMENTS AT HIS/HER SOLE RISK.

REV. NO.	REVISION DESCRIPTION	CONSULTANT: DATE AND INITIAL	CITY ENGINEER: DATE AND INITIAL
	(FOR REVISIONS TO PREVIOUSLY APPROVED PLANS)		

MONOCACY

ELEMENTARY SCHOOL  
PORTABLE INSTALLATION

7421 HAYWARD ROAD, FREDERICK, MD 21702

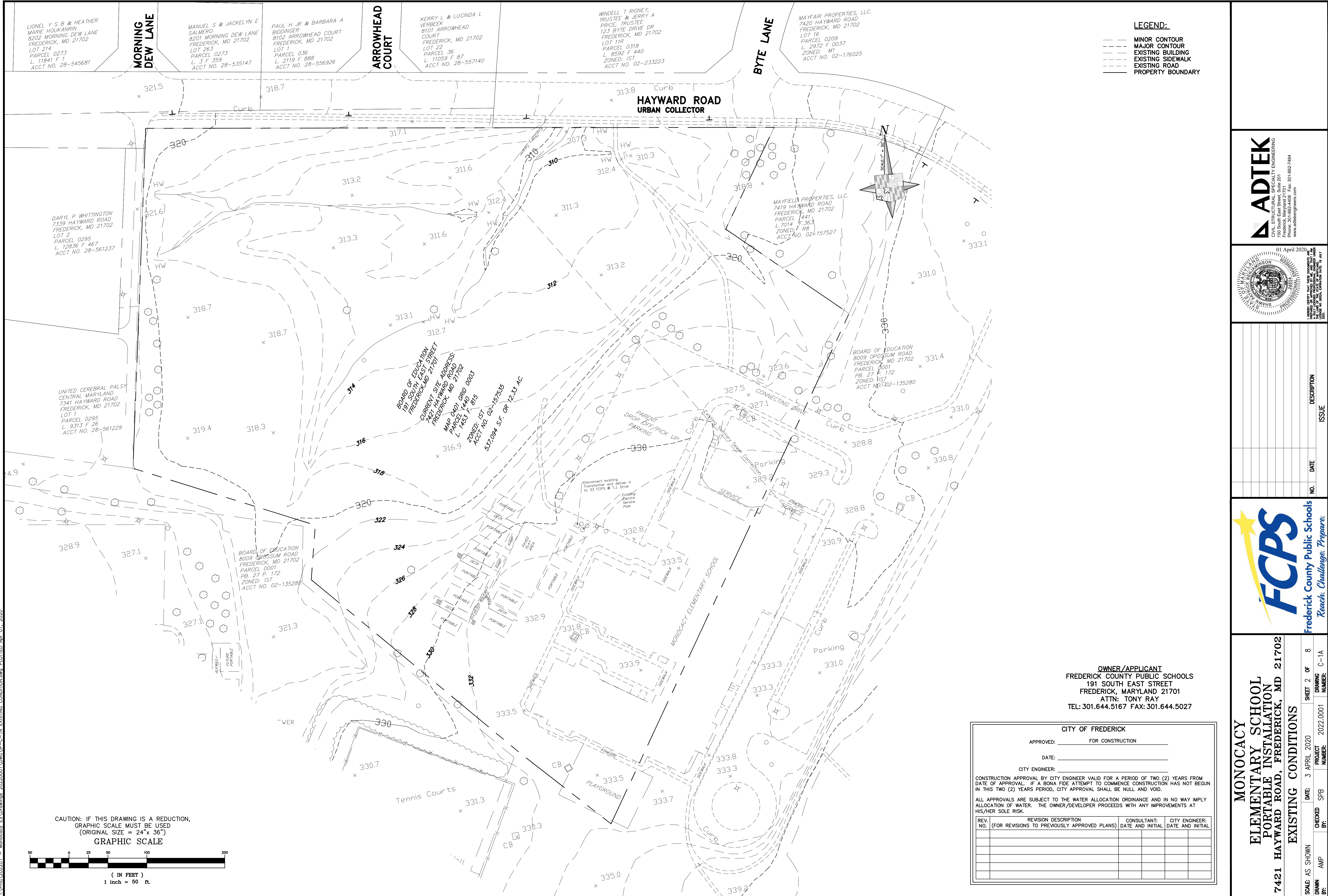
COVER SHEET

SCALE: AS SHOWN  
DRAWN: AMP  
CHECKED: SPB  
BY: \_\_\_\_\_  
DATE: 3 APRIL 2020  
PROJECT: FCPS  
SHEET 1 OF 8  
DRAWING NUMBER: 2022.0001  
CITY: C-0



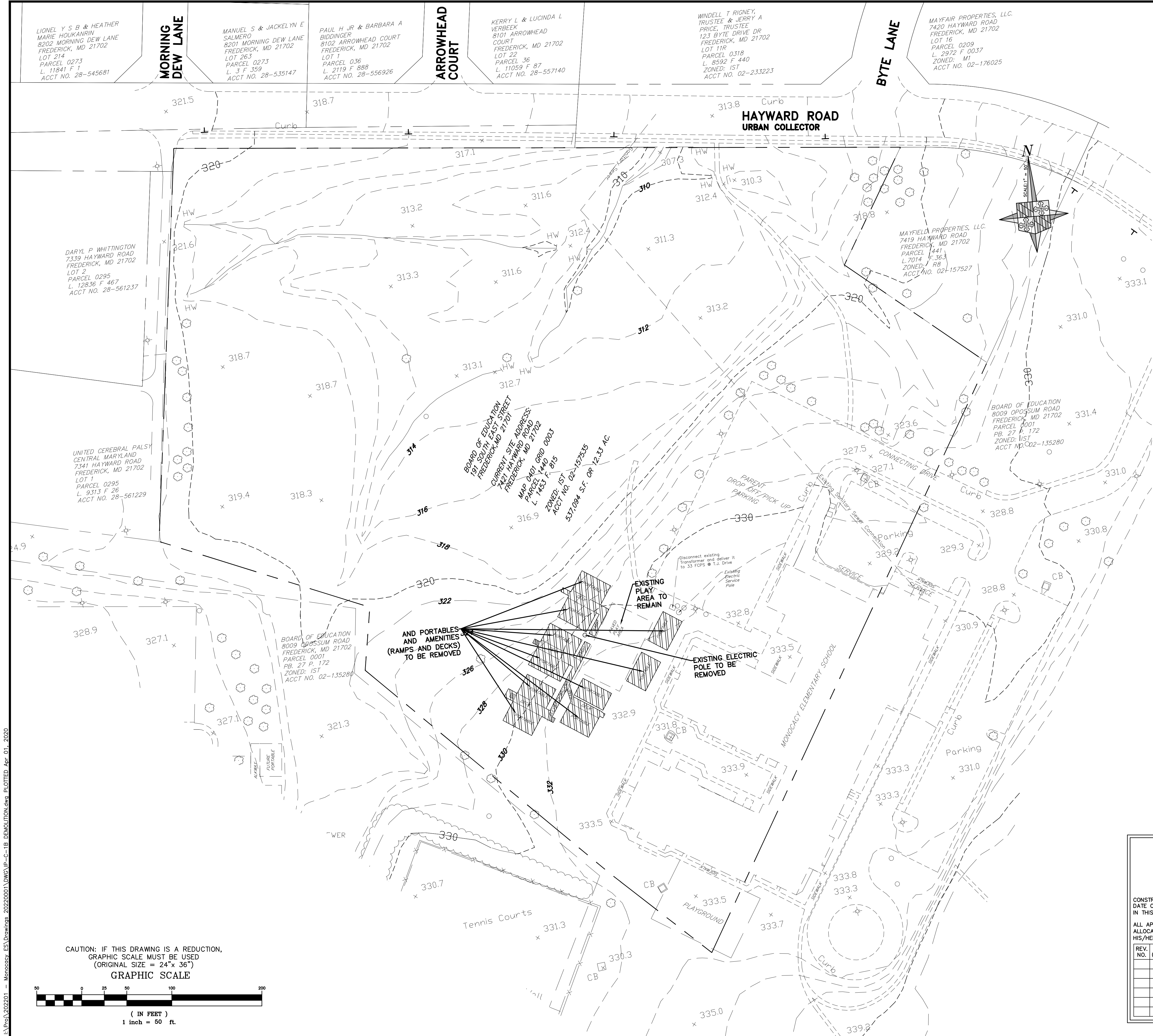


I:\Proj\202201 - Monocacy ES Drawings 20220001.DWG (P-C-1A EXISTING CONDITION) PLOTTED Apr 01, 2020





I:\Proj\202201 - Monocacy ES\Drawings 20220001.DWG (P-C-1B) DEMOLITION.dwg PLOTTED Apr. 01, 2020



MONOCACY

ELEMENTARY SCHOOL  
PORTABLE INSTALLATION

7421 HAYWARD ROAD, FREDERICK, MD 21702

DEMOLITION PLAN

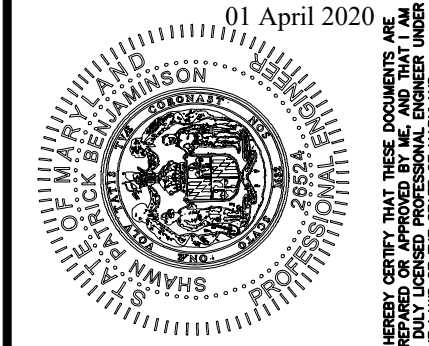
SCALE: AS SHOWN  
DRAWN: AMP  
BY: \_\_\_\_\_

DATE: 3 APRIL 2020  
PROJECT: SPB  
CHECKED: \_\_\_\_\_  
BY: \_\_\_\_\_

SHEET 3 OF 8  
DRAWING NUMBER: C-1B



Frederick County Public Schools  
Reach. Challenge. Prepare.



01 April 2020  
I HEREBY CERTIFY THAT THESE DOCUMENTS AND ANY ATTACHED EXHIBITS OR ADDENDUMS WERE PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF THEY COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE MARYLAND PROFESSIONAL ENGINEERING ACT.

**ADTEK**  
CIVIL STRUCTURAL SPECIALTY ENGINEERING  
150 South East Street, Suite 201  
Frederick, Maryland 21701  
Tel: 301-662-7464  
www.adtekengineers.com



I:\Proj\2020\2021 - Monocacy\ES\Drawings\20220001\DWG\IP-C-2A SEC PLAN.dwg PLOTTED Apr 01, 2020

NOTE: WASHINGTON GAS HAS A 4" GAS SERVICE RUNNING TO THE BACK OF THE SCHOOL. DO NOT CUT THE GRADE OVER THE GAS LINE.

#### NOTE:

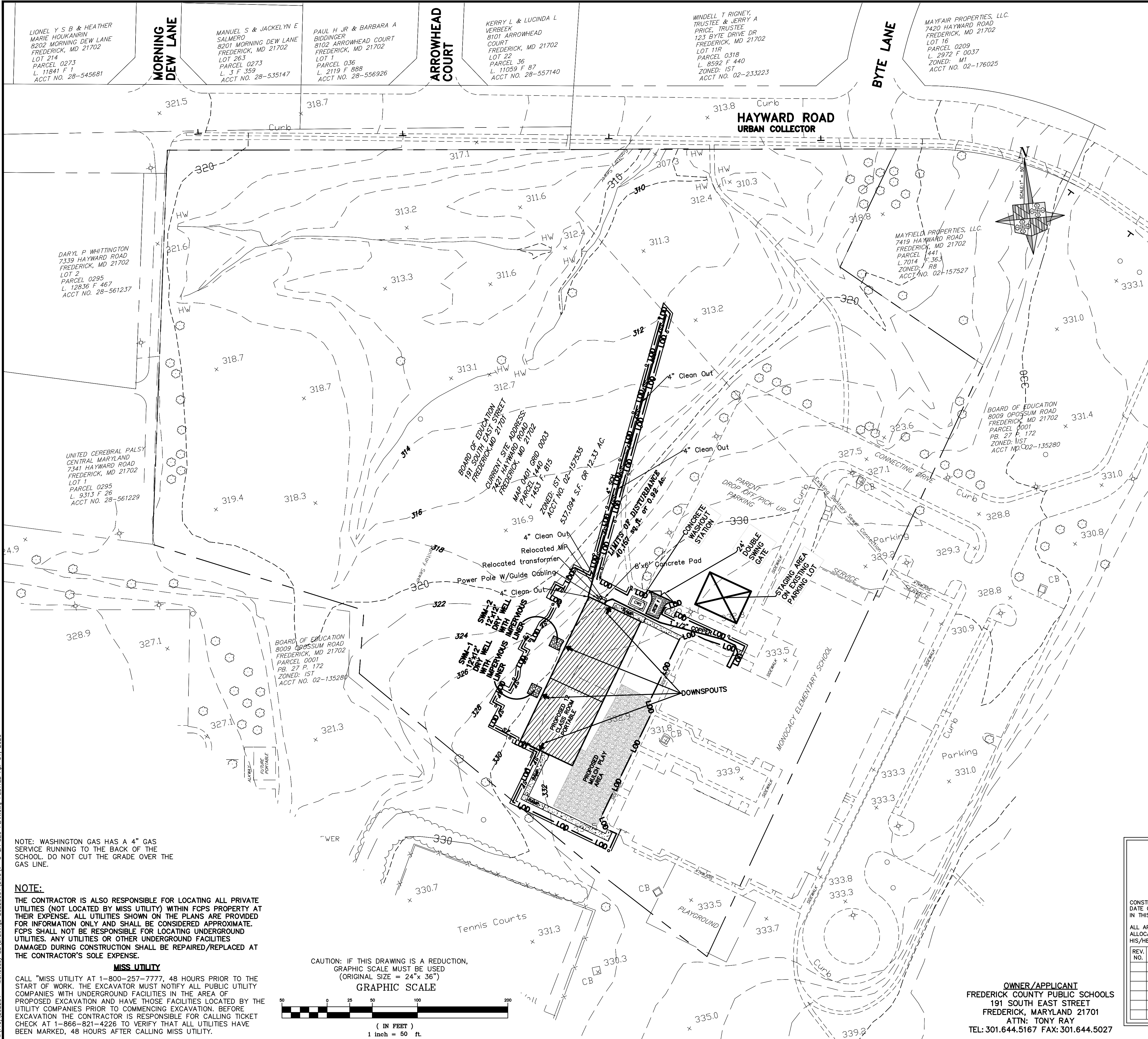
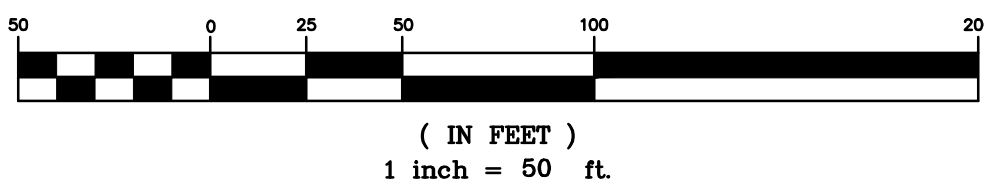
THE CONTRACTOR IS ALSO RESPONSIBLE FOR LOCATING ALL PRIVATE UTILITIES (NOT LOCATED BY MISS UTILITY) WITHIN FCPS PROPERTY AT THEIR EXPENSE. ALL UTILITIES SHOWN ON THE PLANS ARE PROVIDED FOR INFORMATION ONLY AND SHALL BE CONSIDERED APPROXIMATE. FCPS SHALL NOT BE RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES. ANY UTILITIES OR OTHER UNDERGROUND FACILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED/REPLACED AT THE CONTRACTOR'S SOLE EXPENSE.

#### MISS UTILITY

CALL "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. BEFORE EXCAVATION THE CONTRACTOR IS RESPONSIBLE FOR CALLING TICKET CHECK AT 1-866-821-4226 TO VERIFY THAT ALL UTILITIES HAVE BEEN MARKED, 48 HOURS AFTER CALLING MISS UTILITY.

CAUTION: IF THIS DRAWING IS A REDUCTION,  
GRAPHIC SCALE MUST BE USED  
(ORIGINAL SIZE = 24"x 36")

#### GRAPHIC SCALE



#### LEGEND:

- MINOR CONTOUR
- MAJOR CONTOUR
- EXISTING BUILDING
- EXISTING SIDEWALK
- EXISTING ROAD
- PROPERTY BOUNDARY
- PROPOSED PORTABLE
- PROPOSED MULCHED PLAY AREA
- PROPOSED DRY WELL
- PROPOSED SIDEWALK
- TEMPORARY CONSTRUCTION ENTRANCE
- CONCRETE WASHOUT STATION
- CONSTRUCTION FENCE
- LOD
- SILT FENCE
- SUPER SILT FENCE

#### SEQUENCE OF CONSTRUCTION

1. THE LIMITS OF DISTURBANCE MUST BE FIELD MARKED PRIOR TO CLEARING OF TREES, INSTALLATION OF SEDIMENT CONTROL MEASURES, DEMOLITION, CONSTRUCTION, OR OTHER LAND DISTURBING ACTIVITIES, AND PRIOR TO THE PRE-CONSTRUCTION MEETING.
2. PRIOR TO CLEARING OF TREES, INSTALLING SEDIMENT CONTROL MEASURES, OR GRADING, A PRECONSTRUCTION MEETING MUST BE CONDUCTED ON-SITE WITH FREDERICK COUNTY SOIL CONSERVATION DISTRICT SEDIMENT CONTROL INSPECTOR (301) 695-2803 EXT.3, 72 HOURS NOTICE, FCPS REPRESENTATIVE, (301) 644-5167, THE DESIGN ENGINEER, (301) 662-4408 (48 HOURS NOTICE), THE CITY OF FREDERICK PROJECT INSPECTOR (72 HOURS NOTICE) 301-600-6288 AND THE CITY OF FREDERICK ENGINEERING (72 HOURS NOTICE) 301-600-1405. CONTRACTOR SHALL NOTIFY MISS UTILITY 1-800-257-7777 (A MINIMUM OF 3 WORKING DAYS) PRIOR TO THE START OF CONSTRUCTION, DISCUSS THE NEED FOR A STOCKPILE AND ADDITIONAL PERIMETER SEDIMENT CONTROLS AT THE PRECONSTRUCTION MEETING.
3. IF WORK ACTIVITIES ARE TEMPORARILY SUSPENDED FOR ANY REASON, PROVIDE TEMPORARY STABILIZATION PER THE EROSION AND SEDIMENT CONTROL NOTES FOR ALL DISTURBED AREAS.
4. ALL DEBRIS IS TO BE HAULED TO AN APPROVED SITE.
5. INSTALL SUPER SILT FENCE, SILT FENCE, TEMPORARY CONSTRUCTION FENCE, CONCRETE WASH STATION, AND SCD-1.
6. ONCE PERIMETER SEDIMENT CONTROLS ARE IN PLACE, OBTAIN WRITTEN APPROVAL FROM THE FREDERICK COUNTY SOIL CONSERVATION DISTRICT (FCSD) SEDIMENT CONTROL INSPECTOR (301) 695-2803 EXT. 3 PRIOR TO BEGINNING NEXT STEP.
7. REMOVE OR DEMOLISH THE EXISTING TEN PORTABLES ON-SITE PER MCPS DIRECTION.
8. RELOCATE POWER POLE WITH COORDINATION FROM ALLEGHENY POWER COMPANY.
9. INSTALL MEGA PORTABLE.
10. CONSTRUCT SWM-1 & SWM-2.
11. INSTALL WATER CONNECTION AND SANITARY SEWER CONNECTION TO MEGA POD. ONCE UTILITIES ARE INSTALLED, PERFORM ASSOCIATED TESTING.
12. INSTALL ALL DRY UTILITIES.
13. INSTALL ALL SIDEWALKS, WALKWAYS, AND RAMPS. REPAIR THE EXISTING SIDEWALK WHERE NEEDED.
14. INSTALL THE MULCHED PLAY AREA.
15. WITH PERMISSION OF SCD INSPECTOR, REMOVE ALL REMAINING SEDIMENT CONTROL DEVICES.
16. OBTAIN A CITY OF FREDERICK APPROVED RECORD DRAWING OF ALL STORMWATER MANAGEMENT FACILITIES. CONTRACTOR SHALL PROVIDE A CERTIFIED FIELD SURVEY OF ALL INSTALLED STORMWATER MANAGEMENT DEVICES. FORWARD THE ELECTRONIC SURVEY TO THE ENGINEER OF RECORD FOR SUBMISSION OF AS-BUILT DOCUMENTS TO THE CITY OF FREDERICK.
17. ARRANGE FOR AND OBTAIN ANY REQUIRED FINAL SITE INSPECTIONS AND CERTIFICATIONS.

#### FREDERICK SOIL CONSERVATION DISTRICT

APPROVED BY: \_\_\_\_\_  
DISTRICT MANAGER

DATE: \_\_\_\_\_

S.C.D. approval for sediment and erosion control is contingent upon issuance of all applicable regulatory permits.

#### CITY OF FREDERICK

APPROVED: \_\_\_\_\_  
FOR CONSTRUCTION

DATE: \_\_\_\_\_

CITY ENGINEER:

CONSTRUCTION APPROVAL BY CITY ENGINEER VALID FOR A PERIOD OF TWO (2) YEARS FROM DATE OF APPROVAL. IF A BONA FIDE ATTEMPT TO COMMENCE CONSTRUCTION HAS NOT BEGUN IN THIS TWO (2) YEARS PERIOD, CITY APPROVAL SHALL BE NULL AND VOID.

ALL APPROVALS ARE SUBJECT TO THE WATER ALLOCATION ORDINANCE AND IN NO WAY IMPLY ALLOCATION OF WATER. THE OWNER/DEVELOPER PROCEEDS WITH ANY IMPROVEMENTS AT HIS/HER SOLE RISK.

REV. NO.	REVISION DESCRIPTION (FOR REVISIONS TO PREVIOUSLY APPROVED PLANS)	CONSULTANT: DATE AND INITIAL	CITY ENGINEER: DATE AND INITIAL

OWNER/APPLICANT  
FREDERICK COUNTY PUBLIC SCHOOLS  
191 SOUTH EAST STREET  
FREDERICK, MARYLAND 21701  
ATTN: TONY RAY  
TEL: 301.644.5167 FAX: 301.644.5027

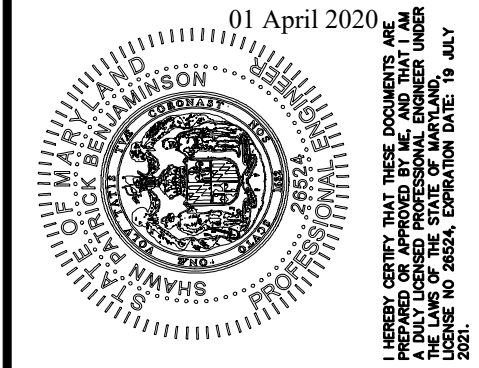
MONOCACY

ELEMENTARY SCHOOL  
PORTABLE INSTALLATION

7421 HAYWARD ROAD, FREDERICK, MD 21702

SEDIMENT & EROSION CONTROL PLAN

SCALE: AS SHOWN  
DRAWN: AMP  
BY: \_\_\_\_\_  
DATE: 3 APRIL 2020  
CHECKED: SPB  
BY: \_\_\_\_\_  
SHEET 4 OF 8  
PROJECT NUMBER: 2022.0001  
DRAWING NUMBER: C-2A



**ADTEK**  
CIVIL STRUCTURAL SPECIALTY ENGINEERING  
150 South East Street, Suite 201  
Frederick, Maryland 21701  
www.adtekgreens.com

101 April 2020  
1. LICENSE: CIVIL, STATE, THESE DOCUMENTS ARE THE PROPERTY OF ADTEK ENGINEERING, INC. AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM ADTEK ENGINEERING, INC.



I:\Proj\202201 - Monocacy ES Drawings 20220001.DWG (P-C-2B SEC DETAILS) Plotting Apr 01, 2020

DETAIL H-6 ONSITE CONCRETE WASHOUT STRUCTURE

STANDARD SYMBOL

CWS

10 FT TYP.

SANDBAG

IMPERMEABLE SHEETING

SANDBAG OR EQUIVALENT

3 FT TYP.

1:1 OR FLATTER SIDE SLOPE

SECTION A-A

PLAN

EXCAVATED WASHOUT STRUCTURE

10 FT TYP.

IMPERMEABLE SHEETING

WOOD FRAME SECURELY FASTENED AROUND ENTIRE PERIMETER WITH TWO STAKES

3 FT TYP.

STAKE (TYP.)

10 FT TYP.

WOOD FRAME

PLAN

WASHOUT STRUCTURE WITH WOOD PLANKS

1 OF 2

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE  
NATURAL RESOURCES CONSERVATION SERVICE

2011

MARYLAND DEPARTMENT OF ENVIRONMENT  
WATER MANAGEMENT ADMINISTRATION

DETAIL H-6 ONSITE CONCRETE WASHOUT STRUCTURE

STANDARD SYMBOL

CWS

10 FT TYP.

STAKE (TYP.)

2 IN.

1/2 IN DIA. STEEL WIRE

4 IN.

STAPLE DETAIL

IMPERMEABLE SHEETING

STRAW BALE (TYP.)

3 FT TYP.

STAPLES (2 PER BALE)

BINDING WIRE

WOOD OR METAL STAKES (2 PER BALE)

SECTION B-B

NOTE: CAN BE TWO STACKED BALES OR PARTIALLY EXCAVATED TO REACH 3 FT DEPTH

WASHOUT STRUCTURE WITH STRAW BALES

CONSTRUCTION SPECIFICATIONS

1. LOCATE WASHOUT STRUCTURE A MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREAS, WETLANDS, BUFFERS AND WATER COURSES AND AWAY FROM CONSTRUCTION TRAFFIC.

2. SIZE WASHOUT STRUCTURE FOR VOLUME NECESSARY TO CONTAIN WASH WATER AND SOLIDS AND MAINTAIN AT LEAST 4 INCHES OF FREEBOARD. TYPICAL DIMENSIONS ARE 10 FEET X 10 FEET X 3 FEET DEEP.

3. PREPARE SOIL BASE FREE OF ROCKS OR OTHER DEBRIS THAT MAY CAUSE TEARS OR HOLES IN THE LINER. FOR LINER, USE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING, FREE OF HOLES AND TEARS OR OTHER DEFECTS THAT COMPROMISE IMPERMEABILITY OF THE MATERIAL.

4. PROVIDE A SIGN FOR THE WASHOUT IN CLOSE PROXIMITY TO THE FACILITY.

5. KEEP CONCRETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPERMEABLE LINER IF DAMAGED (E.G., RIPPED OR PUNCTURED). EMPTY OR REPLACE WASHOUT STRUCTURE THAT IS 75 PERCENT FULL, AND DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT REUSE PLASTIC LINER. WET-VACUUM STORED LIQUIDS THAT HAVE NOT EVAPORATED AND DISPOSE OF IN AN APPROVED MANNER. PRIOR TO FORECASTED RAINSTORMS, REMOVE LIQUIDS OR COVER STRUCTURE TO PREVENT OVERFLOWS. REMOVE HARDENED SOLIDS, WHOLE OR BROKEN UP, FOR DISPOSAL OR RECYCLING. MAINTAIN RUNOFF DIVERSION AROUND EXCAVATED WASHOUT STRUCTURE UNTIL STRUCTURE IS REMOVED.

2 OF 2

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE  
NATURAL RESOURCES CONSERVATION SERVICE

2011

MARYLAND DEPARTMENT OF ENVIRONMENT  
WATER MANAGEMENT ADMINISTRATION

ONSITE CONCRETE WASHOUT STRUCTURE DESIGN CRITERIA

1. CONCRETE WASHOUT STRUCTURES MUST BE LOCATED A MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREAS, WETLANDS, BUFFERS, AND WATERWAYS.

2. THE LOCATION OF THE WASHOUT STRUCTURE MUST BE AWAY FROM CONSTRUCTION TRAFFIC.

3. EXCAVATED WASHOUT STRUCTURES MUST BE LOCATED SO THAT THEY DO NOT INTERCEPT SURFACE RUNOFF, IF RUNOFF DRAINS TOWARD AN EXCAVATED STRUCTURE, A DIVERSION MUST BE PROVIDED AROUND THE STRUCTURE.

4. PREFABRICATED CONTAINERS ARE AN ACCEPTABLE ALTERNATIVE TO FABRICATED WASHOUT STRUCTURES PROVIDED THE VOLUME IS ADEQUATE TO CONTAIN ALL WASH WATER AND SOLIDS WHILE MAINTAINING AT LEAST 4 INCHES OF FREEBOARD.

ONSITE CONCRETE WASHOUT STRUCTURE MAINTENANCE

IT IS CRITICAL THAT THE CONCRETE WASHOUT STRUCTURE BE WATERTIGHT. THE IMPERMEABLE LINER NEEDS TO BE REPLACED IF DAMAGED (E.G., RIPPED OR PUNCTURED). A WASHOUT STRUCTURE THAT IS 75 PERCENT FULL MUST BE EMPTIED OR REPLACED, AND THE ACCUMULATED MATERIAL MUST BE DISPOSED OF PROPERLY. THE LINER MAY NOT BE REUSED. PREFABRICATED CONTAINERS REQUIRE LESS MAINTENANCE. STORED LIQUIDS THAT HAVE NOT EVAPORATED CAN BE WET VACUUMED AND DISPOSED OF IN AN APPROVED MANNER. PRIOR TO FORECASTED RAINSTORMS, REMOVE LIQUIDS OR COVER THE STRUCTURE TO PREVENT OVERFLOWS. HARDENED SOLIDS CAN BE REMOVED WHOLE OR BROKEN UP FOR DISPOSAL OR RECYCLING. RUNOFF DIVERSION(S) AROUND AN EXCAVATED WASHOUT STRUCTURE MUST BE MAINTAINED UNTIL THE STRUCTURE IS REMOVED.

DETAIL B-1 STABILIZED CONSTRUCTION ENTRANCE

STANDARD SYMBOL

SCE

50' MIN.

8' MIN.

3'

EXISTING PAVEMENT

EXISTING GROUND

NONWOVEN GEOTEXTILE

MIN. 8 IN OF 2 TO 3 IN AGGREGATE OVER LENGTH AND WIDTH OF ENTRANCE

PROFILE

PIPE (SEE NOTE 2)

50' MIN. LENGTH \*

10' MIN. WIDTH

EDGE OF EXISTING PAVEMENT

PLAN VIEW

CONSTRUCTION SPECIFICATIONS

1. PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE SCE. USE MINIMUM LENGTH OF 50' (+30' FOR SINGLE RESIDENCE LOT). USE MINIMUM WIDTH OF 10'. FLARE SCE 10' MINIMUM AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.

2. PIPE ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD THE SCE UNDER THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PROTECT PIPE INSTALLED THROUGH THE SCE WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 12" OF STONE OVER THE PIPE. PROVIDE PIPE AS SPECIFIED ON APPROVED PLAN. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE IS NOT NECESSARY. A MOUNTABLE BERM IS REQUIRED WHEN SCE IS NOT LOCATED AT A HIGH SPOT.

3. PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS.

4. PLACE CRUSHED AGGREGATE (2" TO 3" IN SIZE) OR EQUIVALENT RECYCLED CONCRETE (WITHOUT REBAR) AT LEAST 6" DEEP OVER THE LENGTH AND WIDTH OF THE SCE.

5. MAINTAIN ENTRANCE IN A CONDITION THAT MINIMIZES TRACKING OF SEDIMENT. ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN CLEAN SURFACE. MOUNTABLE BERM, OR SPECIFIED DIMENSIONS. IMMEDIATELY REMOVE STONE AND/OR SEDIMENT SPILLED, DROPPED, OR TRACKED ONTO ADJACENT ROADWAY BY VACUUMING, SCRAPING, AND/OR SWEEPING. WASHING ROADWAY TO REMOVE MUD TRACKED ONTO PAVEMENT IS NOT ACCEPTABLE UNLESS WASH WATER IS DIRECTED TO AN APPROVED SEDIMENT CONTROL PRACTICE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE  
NATURAL RESOURCES CONSERVATION SERVICE

2011

MARYLAND DEPARTMENT OF ENVIRONMENT  
WATER MANAGEMENT ADMINISTRATION

DETAIL E-3 SUPER SILT FENCE

STANDARD SYMBOL

SSF

10 FT MAX.

34 IN MIN.

8 IN MIN.

36 IN MIN.

GROUND SURFACE

2% IN DIAMETER GALVANIZED STEEL OR ALUMINUM POSTS

WOVEN SLIT FILM GEOTEXTILE

ELEVATION

CHAIN LINK FENCING

WOVEN SLIT FILM GEOTEXTILE

FLOW

EMBED GEOTEXTILE AND CHAIN LINK FENCE 8 IN MIN. INTO GROUND

CROSS SECTION

CONSTRUCTION SPECIFICATIONS

1. INSTALL 2 1/2 INCH DIAMETER GALVANIZED STEEL POSTS OF 0.095 INCH WALL THICKNESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET APART. DRIVE THE POSTS A MINIMUM OF 36 INCHES INTO THE GROUND.

2. FASTEN 9 GAUGE OR HEAVIER GALVANIZED CHAIN LINK FENCE (2 1/2 INCH MAXIMUM OPENING) 42 INCHES IN HEIGHT SECURELY TO THE FENCE POSTS WITH WIRE TIES OR HUG RINGS.

3. FASTEN WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS, SECURELY TO THE UPSLOPE SIDE OF CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION. EMBED GEOTEXTILE AND CHAIN LINK FENCE A MINIMUM OF 8 INCHES INTO THE GROUND.

4. WHERE ENDS OF THE GEOTEXTILE COME TOGETHER, THE ENDS SHALL BE OVERLAPPED BY 6 INCHES, FOLDED, AND STAPLED TO PREVENT SEDIMENT BY PASS.

5. EXTEND BOTH ENDS OF THE SUPER SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SUPER SILT FENCE.

6. PROVIDE MANUFACTURER CERTIFICATION TO THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.

7. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL CHAIN LINK FENCING AND GEOTEXTILE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE  
NATURAL RESOURCES CONSERVATION SERVICE

2011

MARYLAND DEPARTMENT OF ENVIRONMENT  
WATER MANAGEMENT ADMINISTRATION

STOCKPILE NOTES

1. NO STOCKPILING ALLOWED ON ASPHALT.

2. ALL STOCKPILES LEFT AT THE END OF THE DAY NEED TO BE STABILIZED UNTIL THE NEXT REDISTURBANCE.

DETAIL E-1 SILT FENCE

STANDARD SYMBOL

SF

6 FT MAX. CENTER TO CENTER

36 IN MIN. FENCE POST LENGTH  
DRIVEN MIN. 16 IN INTO GROUND

16 IN MIN. HEIGHT OF  
WOVEN SLIT FILM GEOTEXTILE

8 IN MIN. DEPTH  
INTO GROUND

ELEVATION

36 IN MIN. FENCE POST LENGTH

WOVEN SLIT FILM GEOTEXTILE

FLOW

FENCE POST 18 IN MIN. ABOVE GROUND

UNDISTURBED GROUND

FENCE POST DRIVEN 16 IN INTO THE GROUND

CROSS SECTION

STEP 1

STEP 2

STEP 3

JOINING TWO ADJACENT SILT FENCE SECTIONS (TOP VIEW)

1 OF 2

CONSTRUCTION SPECIFICATIONS

1. USE WOOD POSTS 1 1/2 X 1 1/2 X 1/2 INCH (MINIMUM) SQUARE CUT OF SOUND QUALITY HARDWOOD. AS AN ALTERNATIVE TO WOODEN POST USE STANDARD "I" OR "U" SECTION STEEL POSTS WEIGHING NOT LESS THAN 1 POUND PER LINEAR FOOT.

2. USE 36 INCH MINIMUM POSTS DRIVEN 16 INCH MINIMUM INTO GROUND NO MORE THAN 6 FEET APART.

3. USE WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS AND FASTEN GEOTEXTILE SECURELY TO UPSLOPE SIDE OF FENCE POSTS WITH WIRE TIES OR STAPLES AT TOP AND MID-SECTION.

4. PROVIDE MANUFACTURER CERTIFICATION TO THE AUTHORIZED REPRESENTATIVE OF THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT THE GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.

5. EMBED GEOTEXTILE A MINIMUM OF 8 INCHES VERTICALLY INTO THE GROUND. BACKFILL AND COMPACT THE SOIL ON BOTH SIDES OF FABRIC.

6. WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN: OVERLAP, TWIST, AND STAPLE TO POST IN ACCORDANCE WITH THIS DETAIL.

7. EXTEND BOTH ENDS OF THE SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SILT FENCE.

8. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN SILT FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL FENCE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE  
NATURAL RESOURCES CONSERVATION SERVICE

2011

MARYLAND DEPARTMENT OF ENVIRONMENT  
WATER MANAGEMENT ADMINISTRATION

SEDIMENT CONTROL/STORMWATER MANAGEMENT REQUIRED INSPECTIONS

\*\*\*\*\* NOTICE \*\*\*\*\*

YOU MUST NOTIFY THE SEDIMENT CONTROL (301) 695-2803 EXT.3 AND CITY OF FREDERICK ENGINEERING AT (301) 600-1405 BEFORE 9:00 AM, 24 HOURS BEFORE THE REQUIRED INSPECTION. FAILURE TO NOTIFY THIS OFFICE WILL RESULT IN A STOP WORK ORDER OR OTHER PENALTIES AS OUTLINED IN FREDERICK CITY CODES.

TYPE OF INSPECTION

MISC. COMMENTS/INITIALS

1) PRE-CONSTRUCTION

2) COMPLETION OF SEDIMENT CONTROL MEASURES (IF USING BASIN SEE #6 BELOW)

3) PRIOR TO MODIFICATION OR REMOVAL OF SEDIMENT CONTROL

4) INFILTRATION SYSTEMS

A. SITE READINESS PER SEQUENCE OF CONSTRUCTION

B. INFILTRATION AREA PROTECTED FROM SEDIMENTATION

C. DIMENSIONS

D. FILTERING MATERIAL (TYPE/DEPTH)

E. FILL MATERIAL

F. SIZE, PLACEMENT, TYPE OF PIPING (IF APPLICABLE)

G. OBSERVATION WELL

H. COVER/STABILIZATION

5) OPEN CHANNEL FLOW ATTENUATION

A. SITE READINESS PER SEQUENCE OF CONSTRUCTION

B. CROSS SECTION CONFORMANCE

C. MATERIAL (TYPE/SIZE)

D. STABILIZATION

6) RETENTION/DETENTION STRUCTURES (BASINS/PONDS)

A. SUBGRADE PREPARATION

1. CORE TRENCH

2. SUITABLE MATERIAL/COMPACTION

B. EMBANKMENT CONSTRUCTION

1. SUITABLE MATERIAL/COMPACTION

2. SLOPE GRADE

C. DIMENSIONS

D. BARREL AND RISER ASSEMBLY

1. CORRECT MATERIAL ON SITE

2. SIZING

3. ANTI-SEEP COLLARS

4. ANTI-FLOTATION DEVICE

5. CONCRETE CRADLE (RCP ONLY)

6. INSTALLATION/BACKFILL/COMPACTION

D. CONTROL STRUCTURES

1. FOOTER DIMENSIONS

2. REINFORCING MATERIAL (TYPE, SIZE, PLACEMENT)

3. WEIR POUR/MATERIAL/SLUMP TEST

4. FORM STRIP AND FINISHING

E. IMPOUNDING AREA

1. LOW FLOW CHANNELS/STABILIZATION

2. DEWATERING DEVICE

3. EMERGENCY SPILLWAY

4. EXTENDED DETENTION DEVICE

F. OUTFALL AREA (LEVEL SPREADER, RIPRAP CHANNEL, ETC.)

G. VEGETATIVE STABILIZATION

H. MISCELLANEOUS

THIS LIST IS FOR SEQUENCE OF CONSTRUCTION ONLY. THIS OFFICE ASSUMES NO RESPONSIBILITY OR LIABILITY FOR IMPROPER INSTALLATION OF ANY ITEM ON THIS CHECKLIST. THIS OFFICE RECOMMENDS THAT A PROFESSIONAL ENGINEER BE PRESENT FOR EACH OF THE REQUIRED INSPECTIONS.

STANDARD STABILIZATION NOTE

FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN:

A. THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND

B. SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON PROJECT SITE NOT UNDER ACTIVE GRADING.

DETAIL E-1 SILT FENCE

STANDARD SYMBOL

SF

CONSTRUCTION SPECIFICATIONS

1. USE WOOD POSTS 1 1/2 X 1 1/2 X 1/2 INCH (MINIMUM) SQUARE CUT OF SOUND QUALITY HARDWOOD. AS AN ALTERNATIVE TO WOODEN POST USE STANDARD "I" OR "U" SECTION STEEL POSTS WEIGHING NOT LESS THAN 1 POUND PER LINEAR FOOT.

2. USE 36 INCH MINIMUM POSTS DRIVEN 16 INCH MINIMUM INTO GROUND NO MORE THAN 6 FEET APART.

3. USE WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS AND FASTEN GEOTEXTILE SECURELY TO UPSLOPE SIDE OF FENCE POSTS WITH WIRE TIES OR STAPLES AT TOP AND MID-SECTION.

4. PROVIDE MANUFACTURER CERTIFICATION TO THE AUTHORIZED REPRESENTATIVE OF THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT THE GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.

5. EMBED GEOTEXTILE A MINIMUM OF 8 INCHES VERTICALLY INTO THE GROUND. BACKFILL AND COMPACT THE SOIL ON BOTH SIDES OF FABRIC.

6. WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN: OVERLAP, TWIST, AND STAPLE TO POST IN ACCORDANCE WITH THIS DETAIL.

7. EXTEND BOTH ENDS OF THE SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SILT FENCE.

8. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN SILT FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL FENCE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE  
NATURAL RESOURCES CONSERVATION SERVICE

2011

MARYLAND DEPARTMENT OF ENVIRONMENT  
WATER MANAGEMENT ADMINISTRATION

SEDIMENT & EROSION CONTROL NOTES

1. ALL EROSION/SEDIMENT CONTROL MEASURES SHALL COMPLY WITH THE "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" AS APPROVED BY THE COUNTY.

2. ALL DISTURBED AREAS NOT UNDER ACTIVE GRADING TO BE TO BE SEEDED WITHIN 7 DAYS OF INITIAL GRADING. FOR TEMPORARY SEEDING SPECIFICATIONS, SEE SECTION B1, "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" PUBLISHED JOINTLY BY WATER RESOURCES ADMINISTRATION, SOIL CONSERVATION SERVICE, AND THE STATE SOIL CONSERVATION COMMITTEE.

3. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AT THE INITIATION OF GRADING.

4. ALL STORM DRAIN AND SANITARY SEWER LINES NOT IN PAVED AREAS AND NOT SUBJECT TO ACTIVE GRADING ARE TO BE MULCHED & SEEDED WITHIN 7 DAYS AFTER INITIAL BACKFILL.

5. ELECTRIC POWER, TELEPHONE AND GAS LINES NOT IN ACTIVE GRADING AREAS ARE TO BE COMPACTED, SEEDED AND MULCHED WITHIN 7 DAYS AFTER INITIAL BACKFILL.

6. ALL EARTH BERMS AND SEDIMENT DAMS ARE TO BE MULCHED AND SEEDED (SEE SECTION B OF ABOVE REFERENCE) WITHIN 7 DAYS AFTER GRADING. ALL SOIL STOCKPILES ARE TO BE MULCHED AND SEEDED WITHIN 7 DAYS.

7. DURING CONSTRUCTION, ALL SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED AFTER EACH RAINFALL AND REPAIRED IF NECESSARY. SEDIMENT TO BE REMOVED TO A SUITABLE DISPOSAL AREA AND STABILIZED WITH PERMANENT VEGETATIVE COVER. (SEE SECTION B OF "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" PUBLISHED JOINTLY BY WATER MANAGEMENT ADMINISTRATION, SOIL CONSERVATION SERVICE AND STATE SOIL CONSERVATION COMMITTEE).

8. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SEDIMENT EROSION CONTROL MEASURES UNTIL DISTURBED AREAS ARE STABILIZED.

9. AFTER FINE GRADING, ALL DISTURBED AREAS ARE TO BE PERMANENTLY MULCHED AND SEEDED. (SEE SECTION B)

10. NO SLOPE SHALL BE GREATER THAN 2:1.

11. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND SEVEN (7) DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE. THIS DOES NOT APPLY TO THOSE AREAS WHICH ARE SHOWN ON THE PLAN AND ARE CURRENTLY BEING USED FOR MATERIAL STORAGE OR FOR THOSE AREAS ON WHICH ACTUAL CONSTRUCTION ACTIVITIES ARE CURRENTLY BEING PERFORMED. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO ENSURE THAT STABILIZED AREAS CONTINUOUSLY MEET THE APPROPRIATE REQUIREMENTS OF THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL".

12. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN CONTINUOUS COMPLIANCE WITH THE LATEST VERSION OF THE MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

13. ALL UTILITIES SUCH AS STORM DRAIN, PUBLIC WATER, SANITARY SEWER, ELECTRIC POWER, TELEPHONE CABLE AND GAS LINES, THAT ARE NOT IN PAVED AREAS AND ARE NOT UNDERGOING ACTIVE GRADING SHALL BE TEMPORARILY OR PERMANENTLY STABILIZED WITHIN 3 DAYS OF INITIAL DISTURBANCE.

14. THE OWNER DEVELOPER OR THEIR DESIGNATE IS RESPONSIBLE FOR CONDUCTING ROUTINE MAINTENANCE. THE SITE AND CONTROLS SHOULD BE INSPECTED WEEKLY AND THE NEXT DAY AFTER EACH RAIN EVENT. ANY ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF IN A SUITABLE AREA AND SHALL BE TEMPORARILY OR PERMANENTLY STABILIZED.

\*\* ANY PROJECT THAT HAS A STATE ISSUED N.O.I. PERMIT MUST DOCUMENT EACH INSPECTION AND MAINTAIN AN INSPECTION LOG (PLEASE SEE NOI FOR DETAILS)

UTILITY NOTE FOR SECONDARY UTILITY WORK

A. ALL DISTURBANCE FROM SECONDARY UTILITY'S SUCH AS PHONE CABLE, ELECTRIC CABLE, T.V. CABLE, ETC. WILL BE SUBCONTRACTORS RESPONSIBILITY TO BRING WORK AREA BACK TO GRADE LEVEL THAT WAS EXISTING AND SEED AND MULCH AND DISTURBANCE FROM INSTALLATION OF LINES OR CONDUIT.

B. SUB CONTRACTOR WILL BE RESPONSIBLE FOR RE-INSTALLING OR REPAIRING ANY SILT FENCE OR SEDIMENT CONTROLS THAT WERE EXISTING TO MAINTAIN PROPER SEDIMENT CONTROL THAT MIGHT HAVE BEEN DAMAGED.

OWNER/APPLICANT

FREDERICK COUNTY PUBLIC SCHOOLS

191 SOUTH EAST STREET

FREDERICK, MARYLAND 21701

ATTN: TONY RAY

TEL: 301.644.5167 FAX: 301.644.5027

"MISS UTILITY"

CONTRACTOR TO NOTIFY "MISS UTILITY" AT (800) 257-7777 AND THE CITY OF FREDERICK DEPARTMENT OF ENGINEERING AT (301) 600-1405 AT LEAST 72 HOURS PRIOR TO START OF CONSTRUCTION. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. BEFORE EXCAVATION THE CONTRACTOR IS RESPONSIBLE FOR CALLING TICKET CHECK AT 1-866-821-4228 TO VERIFY THAT ALL UTILITIES HAVE BEEN MARKED, 72 HOURS AFTER CALLING "MISS UTILITY".

FOR UTILITY WORK ONLY OR OFF-SITE UTILITY WORK

1. DISTURBANCE OUTSIDE OF LOD CANNOT EXCEED 5000 SQUARE FEET.

2. PLACE ALL EXCAVATED MATERIAL ON HIGH SIDE OF TRENCH.

3. ONLY DO AS MUCH WORK AS CAN BE DONE IN ONE DAY SO BACKFILLING, FINAL GRADING, SEEDING AND MULCHING CAN OCCUR.

4. ANY SEDIMENT CONTROL MEASURES DISTURBED BY CONSTRUCTION WILL BE REPAIRED THE SAME DAY.

FREDERICK SOIL CONSERVATION DISTRICT

APPROVED BY: \_\_\_\_\_ DISTRICT MANAGER

DATE: \_\_\_\_\_

S.C.D. approval for sediment and erosion control is contingent upon issuance of all applicable regulatory permits.

CITY OF FREDERICK

APPROVED: \_\_\_\_\_ FOR CONSTRUCTION

DATE: \_\_\_\_\_

CITY ENGINEER: \_\_\_\_\_

CONSTRUCTION APPROVAL BY CITY ENGINEER VALID FOR A PERIOD OF TWO (2) YEARS FROM DATE OF APPROVAL. IF A BONA FIDE ATTEMPT TO COMMENCE CONSTRUCTION HAS NOT BEGUN IN THIS TWO (2) YEARS PERIOD, CITY APPROVAL SHALL BE NULL AND VOID.

ALL APPROVALS ARE SUBJECT TO THE WATER ALLOCATION ORDINANCE AND IN NO WAY IMPLY ALLOCATION OF WATER. THE OWNER/DEVELOPER PROCEEDS WITH ANY IMPROVEMENTS AT HIS/HER SOLE RISK.

REV. NO.

REVISION DESCRIPTION

CONSULTANT: DATE AND INITIAL

CITY ENGINEER: DATE AND INITIAL

ADTEK

CIVIL STRUCTURAL SPECIALTY ENGINEERING

150 South East Street, Suite 201  
Frederick, Maryland 21701  
Tel: 301-662-7464  
www.adtekengr.com

01 April 2020

1. EROSION CONTROL, SEDIMENT CONTROL, AND SEDIMENTATION MEASURES

2. SEDIMENT CONTROL, SEDIMENTATION MEASURES, AND SEDIMENTATION MEASURES

3. SEDIMENT CONTROL, SEDIMENTATION MEASURES, AND SEDIMENTATION MEASURES

4. SEDIMENT CONTROL, SEDIMENTATION MEASURES, AND SEDIMENTATION MEASURES

DESCRIPTION

ISSUE

DATE

NO.

FCPS

Frederick County Public Schools

Reach. Challenge. Prepare.

MONOCACY ELEMENTARY SCHOOL PORTABLE INSTALLATION

7421 HAYWARD ROAD, FREDERICK, MD 21702

SEDIMENT & EROSION CONTROL NOTES & DETAILS

SCALE: AS SHOWN

DRAWN: AMP

CHECKED: SPB

DATE: 3 April 2020

PROJECT NUMBER: 2022.0001

SHEET 5 OF 8

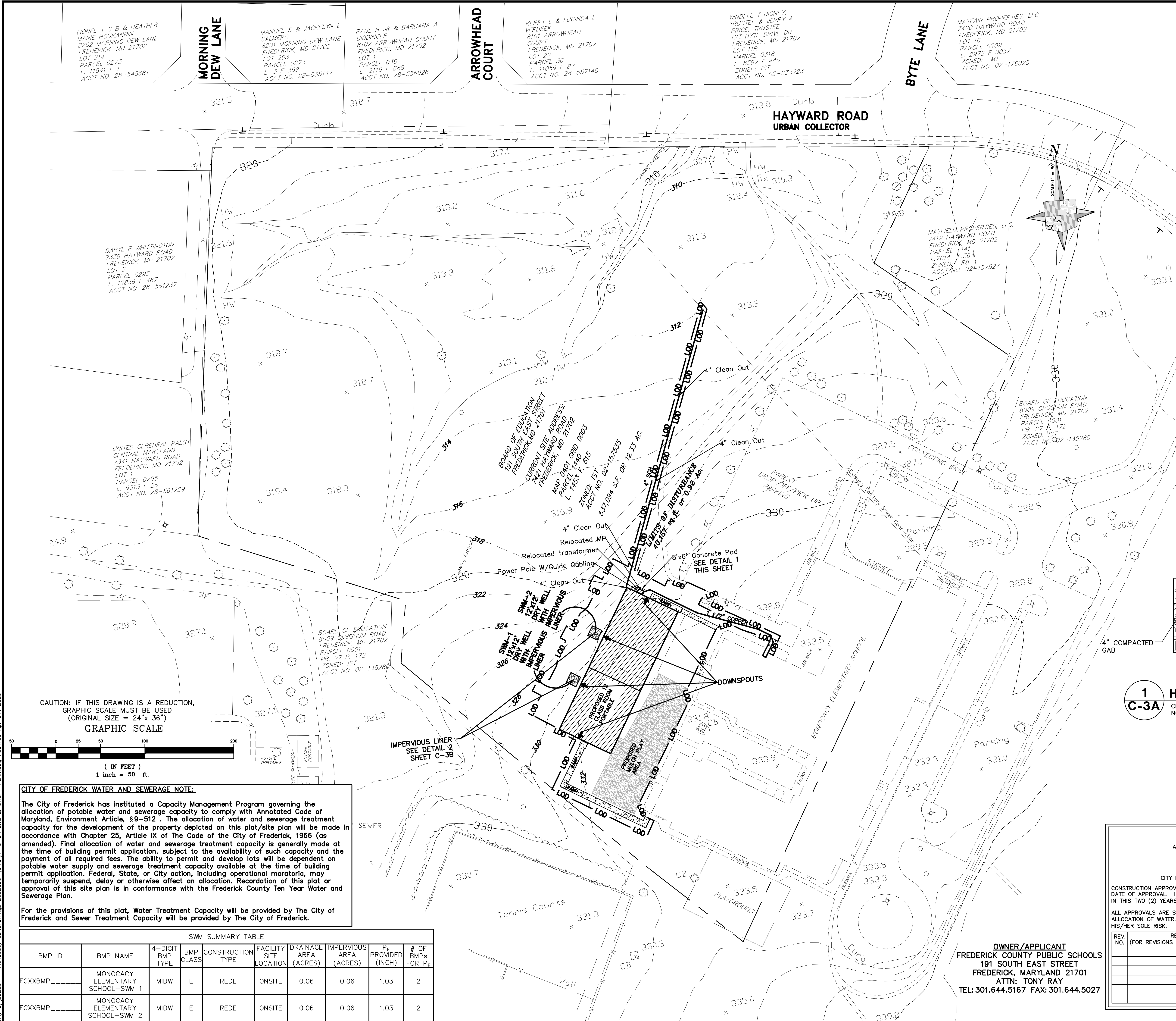
DRAWING NUMBER: C-2B



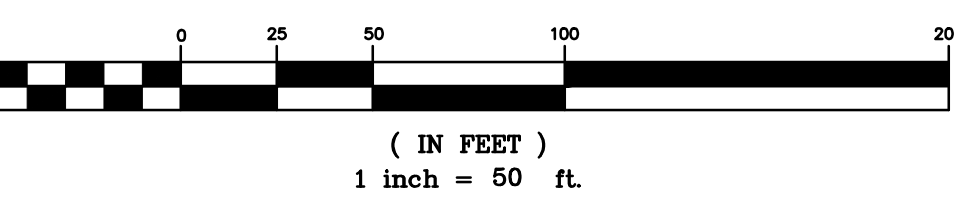




I:\Proj\2021\2021-01-01\Monocacy ES\Drawings\20220001.DWG (P-C-3A SITE & UTILITY PLANS) PLOTTED Apr 01, 2020



CAUTION: IF THIS DRAWING IS A REDUCTION,  
GRAPHIC SCALE MUST BE USED  
(ORIGINAL SIZE = 24"x 36")  
GRAPHIC SCALE



CITY OF FREDERICK WATER AND SEWERAGE NOTE:

The City of Frederick has instituted a Capacity Management Program governing the allocation of potable water and sewerage capacity to comply with Annotated Code of Maryland, Environment Article, §9-512. The allocation of water and sewerage treatment capacity for the development of the property depicted on this plat/site plan will be made in accordance with Chapter 25, Article IX of The Code of the City of Frederick, 1966 (as amended). Final allocation of water and sewerage treatment capacity is generally made at the time of building permit application, subject to the availability of such capacity and the payment of all required fees. The ability to permit and develop lots will be dependent on potable water supply and sewerage treatment capacity available at the time of building permit application. Federal, State, or City action, including operational moratoria, may temporarily suspend, delay or otherwise affect an allocation. Recordation of this plat or approval of this site plan is in conformance with the Frederick County Ten Year Water and Sewerage Plan.

For the provisions of this plat, Water Treatment Capacity will be provided by The City of Frederick and Sewer Treatment Capacity will be provided by The City of Frederick.

SWM SUMMARY TABLE									
BMP ID	BMP NAME	4-DIGIT BMP TYPE	BMP CLASS	CONSTRUCTION TYPE	FACILITY SITE LOCATION	DRAINAGE AREA (ACRES)	IMPERVIOUS AREA (ACRES)	P <sub>e</sub> PROVIDED (INCH)	# OF BMPs FOR P <sub>e</sub>
FCXXBMP-----	MONOCACY ELEMENTARY SCHOOL-SWM 1	MIDW	E	REDE	ONSITE	0.06	0.06	1.03	2
FCXXBMP-----	MONOCACY ELEMENTARY SCHOOL-SWM 2	MIDW	E	REDE	ONSITE	0.06	0.06	1.03	2

LEGEND:

- MINOR CONTOUR
- MAJOR CONTOUR
- EXISTING BUILDING
- EXISTING SIDEWALK
- EXISTING ROAD
- PROPERTY BOUNDARY
- PROPOSED PORTABLE
- PROPOSED 6" MULCHED PLAY AREA
- PROPOSED DRY WELL, SEE DETAIL 1A & 1B SHEET C-3B
- PROPOSED CONCRETE SIDEWALK, SEE DETAIL 3 SHEET C-3B

NOTE:

THE CONTRACTOR IS ALSO RESPONSIBLE FOR LOCATING ALL PRIVATE UTILITIES (NOT LOCATED BY MISS UTILITY) WITHIN FCPS PROPERTY AT THEIR EXPENSE. ALL UTILITIES SHOWN ON THE PLANS ARE PROVIDED FOR INFORMATION ONLY AND SHALL BE CONSIDERED APPROXIMATE. FCPS SHALL NOT BE RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES. ANY UTILITIES OR OTHER UNDERGROUND FACILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED/REPLACED AT THE CONTRACTOR'S SOLE EXPENSE.

NOTE: WASHINGTON GAS HAS A 4" GAS SERVICE RUNNING TO THE BACK OF THE SCHOOL. DO NOT CUT THE GRADE OVER THE GAS LINE.

MISS UTILITY

CALL "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. BEFORE EXCAVATION THE CONTRACTOR IS RESPONSIBLE FOR CALLING TICKET CHECK AT 1-866-821-4226 TO VERIFY THAT ALL UTILITIES HAVE BEEN MARKED, 48 HOURS AFTER CALLING MISS UTILITY.

NOTES:

INSTALLATION OF ONSITE UTILITIES AND MATERIALS SHALL COMPLY WITH THE CURRENT CITY OF FREDERICK PLUMBING CODE AND WHERE DEEMED APPLICABLE, AND THE CITY OF FREDERICK STANDARD DETAILS AND SPECIFICATIONS MANUAL.

INSTALLATION OF ONSITE UTILITIES SHALL BE PERMITTED, AND SCHEDULED FOR FIELD INSPECTIONS THROUGH THE BUILDING DEPARTMENT PLUMBING DIVISION.

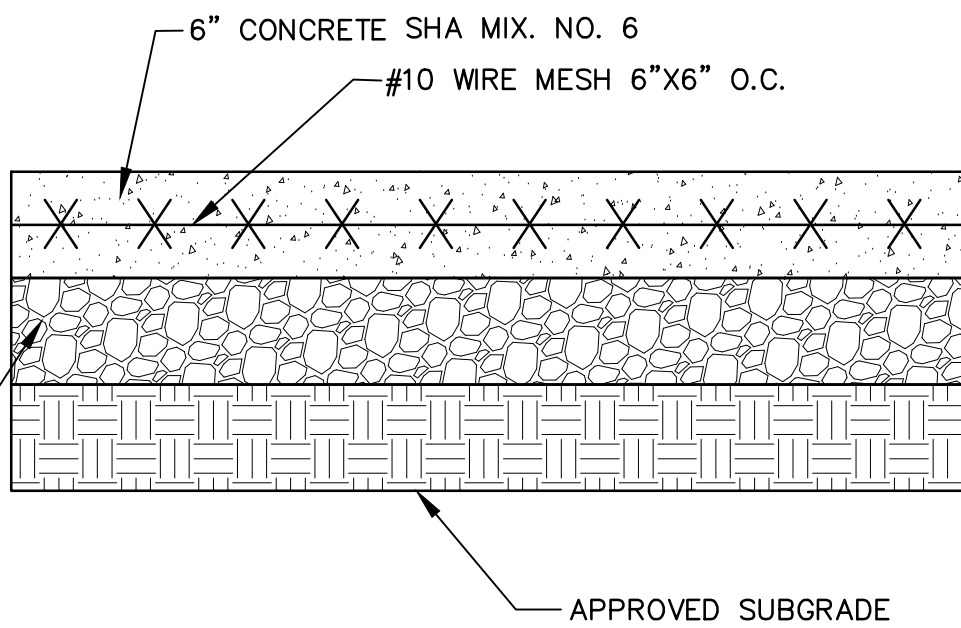
TRENCHING, BEDDING, AND BACKFILLING SHALL FOLLOW CURRENT CITY OF FREDERICK PLUMBING CODE, AND APPLICABLE MANUFACTURE INSTALLATION INSTRUCTIONS. FINAL BACKFILL AS NOTED BY SUITABLE FILL, IN THE CITY OF FREDERICK PLUMBING CODE, SHALL BE DETERMINED BY THE ENGINEER OF RECORD.

MATERIAL CERTIFICATIONS SHALL BE MADE AVAILABLE WHEN REQUESTED BY THE CITY.

WATER LINE THRUST RESTRAINTS SHALL FOLLOW:

- ENGINEER OF RECORD DESIGN, AND/OR
- CITY OF FREDERICK STANDARD DETAILS AND SPECIFICATIONS MANUAL, AND/OR
- MANUFACTURES INSTALLATION INSTRUCTIONS FOR RESTRAINTS

MATERIALS OR INSTALLATIONS NOT ADDRESSED BY THE CITY OF FREDERICK PLUMBING CODE, OR BY THE CITY OF FREDERICK STANDARD DETAILS AND SPECIFICATIONS MANUAL, SHALL BE SUBMITTED FOR REVIEW TO THE BUILDING DEPARTMENT PRIOR TO INSTALLATION.



1 HEAVY DUTY CONCRETE PAD  
C-3A CITY DETAIL ST-15.5 NOT TO SCALE

FREDERICK SOIL CONSERVATION DISTRICT

APPROVED BY: \_\_\_\_\_ DISTRICT MANAGER

DATE: \_\_\_\_\_

S.C.D. approval for sediment and erosion control is contingent upon issuance of all applicable regulatory permits.

CITY OF FREDERICK

APPROVED: \_\_\_\_\_ FOR CONSTRUCTION

DATE: \_\_\_\_\_

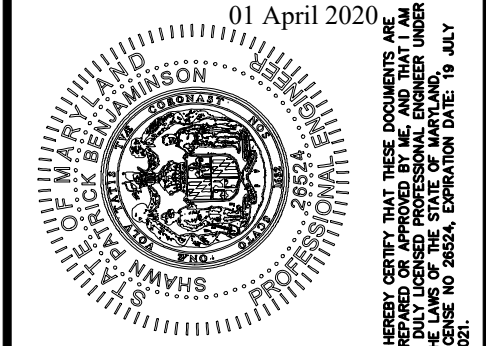
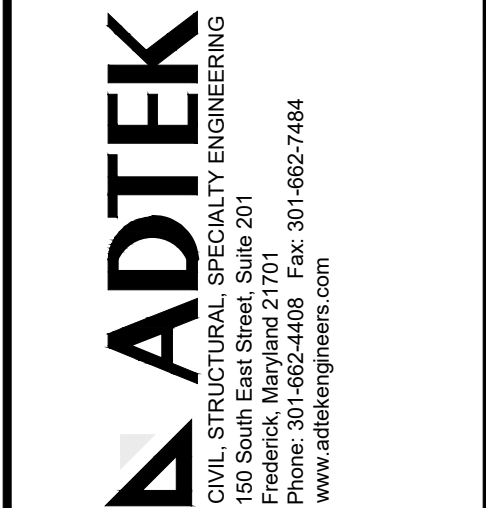
CITY ENGINEER:

CONSTRUCTION APPROVAL BY CITY ENGINEER VALID FOR A PERIOD OF TWO (2) YEARS FROM DATE OF APPROVAL. IF A BONA FIDE ATTEMPT TO COMMENCE CONSTRUCTION HAS NOT BEGUN IN THIS TWO (2) YEARS PERIOD, CITY APPROVAL SHALL BE NULL AND VOID.

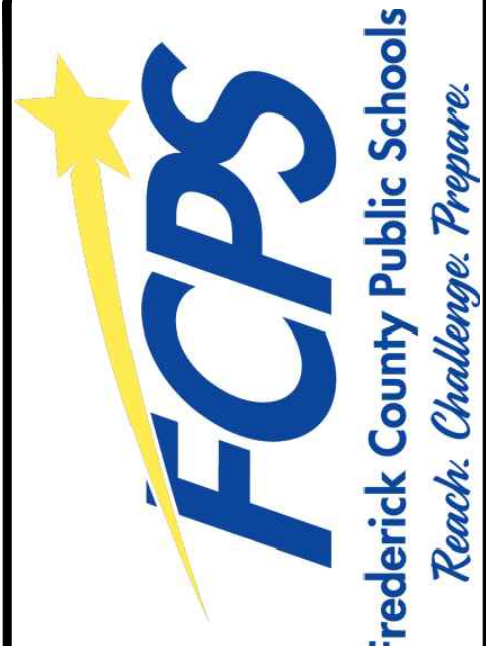
ALL APPROVALS ARE SUBJECT TO THE WATER ALLOCATION ORDINANCE AND IN NO WAY IMPLY ALLOCATION OF WATER. THE OWNER/DEVELOPER PROCEEDS WITH ANY IMPROVEMENTS AT HIS/HER SOLE RISK.

REV. NO.	REVISION DESCRIPTION (FOR REVISIONS TO PREVIOUSLY APPROVED PLANS)	CONSULTANT: DATE AND INITIAL	CITY ENGINEER: DATE AND INITIAL

OWNER/APPLICANT  
FREDERICK COUNTY PUBLIC SCHOOLS  
191 SOUTH EAST STREET  
FREDERICK, MARYLAND 21701  
ATTN: TONY RAY  
TEL: 301.644.5167 FAX: 301.644.5027



DESCRIPTION		ISSUE	
NO.	DATE	DATE	ISSUE



MONOCACY ELEMENTARY SCHOOL PORTABLE INSTALLATION		SHEET 7 OF 8	
7421 HAYWARD ROAD, FREDERICK, MD 21702		PROJECT NUMBER: 2022.0001	
SITE LAYOUT & UTILITY PLAN		DRAWING NUMBER: C-3A	
SCALE: AS SHOWN	DATE: 3 APRIL 2020	CHECKED: SPB	DRAWN: AMP



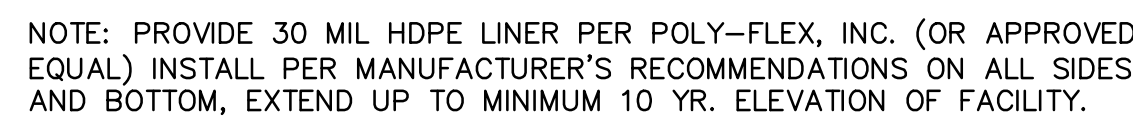


Diagram illustrating the cross-section of a road construction layer, showing various materials and dimensions:

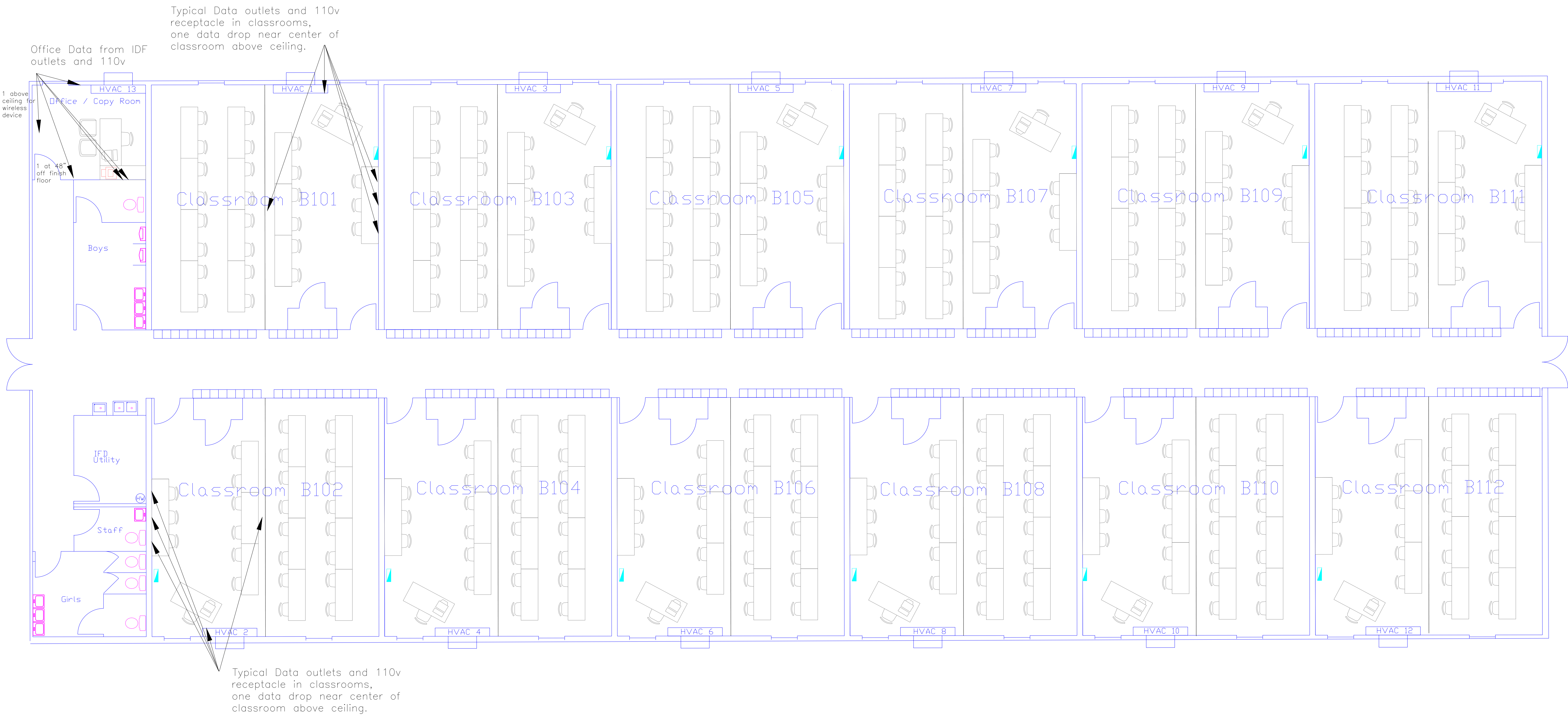
- 12" TOP SOIL**: The top layer of the construction.
- 6" PVC PERF. PIPE**: A perforated pipe located within the top soil layer.
- 12" SAND**: A layer of sand below the top soil.
- ASTM C-33 CLEAN AGGREGATE SAND**: A layer of clean aggregate sand below the 12" sand layer.
- 3/4" TOPSOIL**: A layer of topsoil below the aggregate sand.
- 3/8" SAND, AASHTO-M-6 OR ASTM-C-33, 0.02" 0.04", TO SUBSTATIONS SUCH AS DIABASE AND GRAYSTONE (AASHTO) #10 ARE NOT ACCEPTABLE. NO CALCIUM CARBONATED OR DOLOMITIC SAND SUBSTITUTIONS ARE ACCEPTABLE. NO "ROCK DUST" CAN BE USED FOR SAND.**: A detailed specification for the sand layer.
- UNCOMPACTED SUBGRADE**: The base layer below the sand.
- SCARIFY SOIL PRIOR TO PLACEMENT**: A note indicating the preparation of the subgrade.
- 57" MAX**: The maximum thickness of the top soil and sand layers combined.
- 18"**: The thickness of the aggregate sand layer.
- #57 STONE**: A layer of stone below the aggregate sand.
- 30 MIL HDPE LINER**: A liner located below the stone layer.

**NOTE: PERF. PVC IS TO BE 40, 3/8" PERFORATIONS. PERFORATED SECTIONS W/ GRAVEL LAYER ONLY, @ 4' LENGTH WISE AND 90° RAD AROUND**

NOTE: PROVIDE 30 MIL HDPE LINER PER POLY-FLEX, INC. (OR APPROVED EQUAL) INSTALL PER MANUFACTURER'S RECOMMENDATIONS ON ALL SIDES AND BOTTOM, EXTEND UP TO MINIMUM 10 YR. ELEVATION OF FACILITY.



MAIN SCHOOL BUILDING





**Frederick County Public Schools  
Purchasing Department  
PRE-BID MEETING ATTENDANCE ROSTER  
BID 20C11, Relocation of Multi-Classroom Portable Unit from Centerville Elementary School to Monocacy Elementary School**

Skype Conference Call I.D. #9065784, 4/6/20 @ 10:00 a.m.

NAME (PLEASE PRINT)	FIRM REPRESENTED (PLEASE PRINT)	PHONE NUMBER	FAX NUMBER	E-MAIL ADDRESS
Milton Stamper	Co. Name: Milton Stamper Address:			
Ron Etzler	Co. Name: Warner Service Address:			Ron Etzler <retzler@warnerservice.com>
John Delaplaine	Co. Name: JCS Communications Address:			John Delaplaine <jescominc@gmail.com>
Ed Thommen	Co. Name: US Modular Address:			ethommen <ethommen@usmge.com>
Tony Ray	Co. Name: FCPS Address:			<a href="mailto:tony.ray@fcps.org">tony.ray@fcps.org</a>
Joe Prevost	Co. Name: Prevost Construction Address:			Joe Prevost <joe@prevostconstruction.net>
David Vanicky	Co. Name: Modular Genius Address:			Lineberry, Charles <clineberry@modulargenius.com>
Troy Barnes	Co. Name: FCPS Address:			<a href="mailto:troy.barnes@fcps.org">troy.barnes@fcps.org</a>
Tim	Co. Name: High Performance Address:			
Brent Spear	Co. Name: Dixie Elec Address:			Brent Spear <Brent@dixiecorp.com>
	Co. Name: Address:			

PAGE \_\_\_\_ OF \_\_\_\_



**04.07.2020 Pre-Bid Meeting Notes Bid 20C11, Relocation of Multi-Classroom Portable Unit from Centerville Elementary School to Monocacy Elementary School**

**General Housekeeping**

- I have marked your company on our attendance sheet. If you would please follow up with an email so we can obtain your email address, we would appreciate it. This will result in you receiving direct notification of any future addenda.
- When asking questions, please identify your firm.
- Please submit all questions asked in a follow-up email.

The intent of this solicitation is to relocate the twelve-classroom portable unit, with bathroom section, from Centerville Elementary School to Monocacy Elementary School. The project will include relocation and reassembly of the unit, as well as the necessary plumbing and electrical work.

The Board of Education of Frederick County will receive bids for Bid 20C10, Multi-Classroom Portable Unit for Oakdale Elementary School. Bids will be received and time stamped in the main lobby of Frederick County Public Schools (FCPS) at 191 South East Street, Frederick, MD 21701, prior to and no later than **2:00 p.m., local time, on April 21, 2020**. Bids received after this time will be returned unopened. Vendors will be escorted to Conference Room 2B, at which time and place bids will be publicly opened and read aloud.

Contract Manager: Bill Meekins CPPB, CPPO, CSBO, CPCP, Purchasing Agent [billy.meekins@fcps.org](mailto:billy.meekins@fcps.org)  
FCPS Project Manager: Tony Ray, Project Manager III, Construction Management, [tony.ray@fcps.org](mailto:tony.ray@fcps.org)

For information pertinent to the bidding process, the attention of all contractors, subcontractors and material supply bidders are directed to the:

- Invitation to Bid (Page 3)
- Instruction to Bidders (AIA Document A701) (Pages 8-16)
- Supplemental Instructions to Bidders (Supplement to AIA A701) (Pages 17-30)
- Proposal Form and Signature Page (Pages 31-32)
- AIA Document A201 - 2017, General Conditions of the Contract for Construction (Pages 65-139)

In the event of inclement weather on the date when the bids are scheduled to be opened and the FCPS administrative offices are closed, bids will be opened on the next business day at the same time as previously scheduled. Often when schools are closed the administrative offices are open – when in doubt please call the purchasing department.

Please make sure that your bid submission includes the following:

- All applicable areas of the bid form of proposal are filled in carefully, completely and signed.
- Acknowledge the receipt of each and every Addendum on the Bid Form of Proposals.
- Submit one (1) original and one (1) copy of Bid Form of Proposals.
- Base bid and alternate bid prices must be submitted as a numeric value and must be written in words.
- Bid bond or cashier's check for 5% of the total bid amount is included.
- Properly completed Statutory Affidavit and Non-Collusion Certification Form.
- Certificate of Compliance Form completed and signed.
- Vendor Conflict of Interest Disclosure Form completed and signed.

Should any bidder find discrepancies in, or omissions from, the drawings and other contract documents need to request clarification in writing. All necessary interpretations will be issued to all bidders in the form of addenda.

Directed to: Bill Meekins CPPB, CPPO, CSBO, CPCP, Purchasing Agent [billy.meekins@fcps.org](mailto:billy.meekins@fcps.org) with a copy Tony Ray, Project Manager III, Construction Management, [tony.ray@fcps.org](mailto:tony.ray@fcps.org)

No written requests received within five (5) calendar days prior to the bid due date will be considered and no addenda will be issued later than four (4) calendar days prior to the bid opening date.

**Laws and Regulations:**

The vendor will comply with all Federal, State, and local laws, ordinances and regulations pertaining to work under their charge. If the vendor performs any work which it knows or should know to be contrary to such laws, ordinance, and regulations and without such notices to FCPS they shall bear all costs arising therefrom.



**04.07.2020 Pre-Bid Meeting Notes Bid 20C11, Relocation of Multi-Classroom Portable Unit from Centerville Elementary School to Monocacy Elementary School**

**American Steel Act:**

The vendor will comply with the provisions of Sections 17-301 through 17-306 of the State Finance and Procurement Article of the Annotated Code of Maryland, as amended entitled "Steel Procurement for Public Works." The vendor's affidavit of compliance with these provisions may be required before payment can be made.

All vendors and subcontractors must abide by the Board of Education of Frederick County policies and FCPS regulations while working on school property.

Be advised that individuals who are registered sex offenders are not eligible to work on any FCPS' project. The awarded supplier(s) must initially check the Maryland Department of Public Safety & Correctional Services' Maryland Sex Offender Registry and search for the name of any employee to be assigned to work on this project. This applies to subcontractors and material/equipment suppliers as well. For projects lasting more than a few months, the supplier will periodically re-check the names of workers against the registry to ensure ongoing compliance. In the event that a registered sex offender is discovered to be working on a FCPS project, whether through employment by the supplier, subcontractor or equipment or material supplier, FCPS will notify the site superintendent to immediately remove the individual from the premises and permanently terminate his work assignment.

FCPS may terminate this contract at no additional costs, as a result if the supplier is unable to demonstrate they have exercised care and diligence in the past in checking the Maryland registry.

An awarded supplier will not assign employee who has been convicted of a crime of violence as defined in § 14-101 of the Criminal Law Article, or an offense under the laws of another state that would be a violation of § 14-101 of the Criminal Law Article if committed in this state.

With the passing of Maryland Law MD. Code, Educ. 6-113.2, employers of all contracted staff must obtain background information relating to child sexual abuse or sexual misconduct. This means that all contracted staff having direct contact with students must meet all of the FCPS and Maryland State Department of Education (MSDE) requirements before doing business with FCPS. For additional information, visit:

- [Maryland State Department of Education Website](#);
- [House Bill 486 Child Sexual Abuse and Sexual Misconduct Prevention](#);
- [MSDE Guidelines For MD. Code, Educ. 6113.2](#);
- [Employment History Review Form for Child Abuse and Sexual Misconduct](#)

The use of tobacco and alcohol beverages in any form is prohibited on FCPS property at all times, all year.

No person shall carry or possess any rifle, gun, knife, or deadly weapon of any kind on FCPS property.

Award of the contract is contingent upon the award of full funding for this project.

Tentative Board Award: May 13, 2020

Liquidated Damages will be assessed at \$614.00 per day for each calendar day required to achieve substantial completion beyond the substantial completion dated authorized by the contract.

Anticipated construction will commence on or around July 1, 2020

Substantial Completion shall be achieved by August 23, 2020