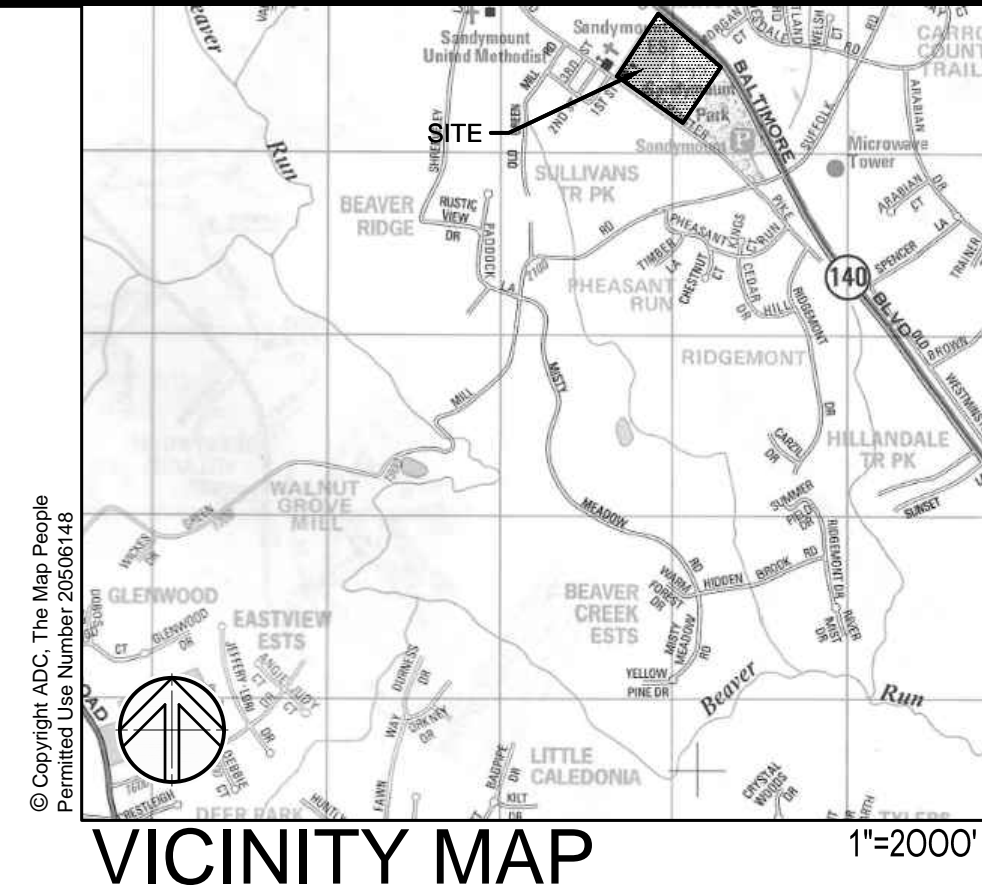


FINAL SITE DEVELOPMENT PLAN  
FOR  
SANDYMOUNT ELEMENTARY SCHOOL  
2222 OLD WESTMINSTER PIKE, FINKSBURG, MD 21048



MOSELEYARCHITECTS

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



PSC #06.005

SANDYMOUNT ELEMENTARY SCHOOL PRE-K &  
KINDERGARTEN ADDITIONS



CARROLL COUNTY PUBLIC SCHOOLS  
1110 GIST ROAD, WESTMINSTER, MD 21157

PROJECT NO.:	631390
DATE:	
REVISIONS	
DATE	DESCRIPTION
9/18/24	CD PROGRESS SET

COVER SHEET

C001

SHEET 1 OF 15

GENERAL NOTES:

- TOPOGRAPHY SHOWN HEREON IS FIELD RUN, DATED JULY 22, 2024, AND PREPARED BY DIETZ SURVEYING, INC.
- THE LOCATION OF EXISTING UTILITIES SHOWN HEREON ARE APPROXIMATELY ONLY. CONTRACTOR SHALL VERIFY THE EXISTENCE, LOCATION, AND DEPTH OF ANY EXISTING UTILITIES AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 THREE WORKING DAYS PRIOR TO BEGINNING ANY WORK IN THE VICINITY OF EXISTING UTILITIES.
- THE CONTRACTOR SHALL NOTE THAT IN CASE OF A DISCREPANCY BETWEEN THE SCALED AND FIGURED DIMENSIONS SHOWN ON THESE PLANS, THE FIGURED DIMENSIONS SHALL GOVERN.
- ANY CHANGES TO THIS PLAN WILL REQUIRE AN AMENDED SITE DEVELOPMENT PLAN TO BE APPROVED BY THE CARROLL COUNTY PLANNING AND ZONING COMMISSION.
- THIS SITE PLAN SHALL BECOME VOID EIGHTEEN MONTHS AFTER THE DATE OF APPROVAL IF NO BUILDING PERMIT OR ZONING CERTIFICATE HAS BEEN ISSUED FOR THIS PROJECT, UNLESS AN EXTENSION OF THIS TIME LIMIT IS ISSUED BY THE DIRECTOR OF THE DEPARTMENT OF PLANNING AND LAND MANAGEMENT.

ESC NOTE:

EROSION AND SEDIMENT CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE CARROLL COUNTY STANDARD EROSION AND SEDIMENT CONTROL PLAN. CONTRACTOR SHALL CORRDINATE WITH CCPS FOR SITE ACCESS

SITE DATA:

SITE ADDRESS: 2222 OLD WESTMINSTER PIKE  
FINKSBURG, MD 21048

OWNER/DEVELOPER: WILLIAM CAINE  
410-386-1817  
BOARD OF EDUCATION OF CARROLL COUNTY  
125 NORTH COURT STREET  
WESTMINSTER, MD 21157

PROPERTY REFERENCE: TAX MAP: 53  
GRID: 20  
PARCEL: 465  
ELECTION DISTRICT: 04-002

PROPERTY LAND AREA: 8.01 ACRES

TOTAL DEVELOPED AREA: 16241.60 SF OR 3.7 ACRES

EXISTING/PROPOSED USE: ELEMENTARY SCHOOL/ELEMENTARY SCHOOL

PROPOSED ADDITION AREA: 8,740 SF

ZONING: CONSERVATION (CONSERVATION DISTRICT)

STUDENT ENROLLMENT: CURRENT: 579  
PROJECTED: 624

STAFF: CURRENT: 93  
PROJECTED: 95

SETBACKS: FRONT: 50 FT  
SIDE: 100 FT  
REAR: 50 FT

PARKING LOT TABULATION: EXISTING: 117  
PROPOSED: 117

TRIP GENERATION: NO ADDITIONAL TRIPS OR BUSSES ARE PLANNED.

FLOODPLAIN INFO: THE SITE IS NOT LOCATED WITHIN THE 100 YEAR FLOODPLAIN AS DELINEATED ON FEMA FLOOD INSURANCE RATE MAP 24013C0220D. THE SITE IS LOCATED IN ZONE "X" WHICH MEANS AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

LOCATION OF NEAREST WATER SUPPLY AVAILABLE FOR FIRE PROTECTION: THERE ARE TWO HYDRANTS ALONG THE EXISTING 8" WATER LINE NEAR THE NORTH PAVED PLAY AREA AND SOUTH WEST CORNER OF THE SCHOOL.

SEPTIC DESIGN NOTE:

THE EXISTING SEPTIC SYSTEM WAS DESIGNED WITH A PEAK CAPACITY Q OF 17,500 GPD PER SEPTIC SYSTEM LAYOUT PLAN FROM ADDITION PROJECT DATED 11/1990.

PROJECTED STUDENT ENROLLMENT SHALL BE 624, WITH 27 STUDENTS PER DAY ATTENDING ON-SITE DAYCARE SERVICES. THE POST-DEVELOPMENT PEAK FLOW PER MDE GUIDANCE ON WASTEWATER FLOWS FOR USE IN DESIGNING ON-SITE SYSTEMS:

$$Q = (627 \times 20 \text{ GAL/PERSON/DAY}) + (27 \times 15 \text{ GAL/PERSON/DAY}) = 12,540 + 405 = 12,945 \text{ GPD}$$

BASED ON THESE CALCULATIONS, THE FLOWS TO THE EXISTING SEPTIC SYSTEM FROM THIS DEVELOPMENT DO NOT EXCEED THE PERMITTED CAPACITY.

WATER RESOURCE NOTES:

- THE PROPOSED PROJECT IS IN A SURFACE WATER PROTECTION AREA.
- THERE WILL BE NO USE, TRANSFER, OR STORAGE OF REGULATED SUBSTANCES ON SITE.
- THE PROJECT IS NOT WITHIN A TIER II CATCHMENT.

CARROLL COUNTY  
PLANNING AND ZONING COMMISSION

BY \_\_\_\_\_ DATE \_\_\_\_\_

OWNER/DEVELOPER CERTIFICATION

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

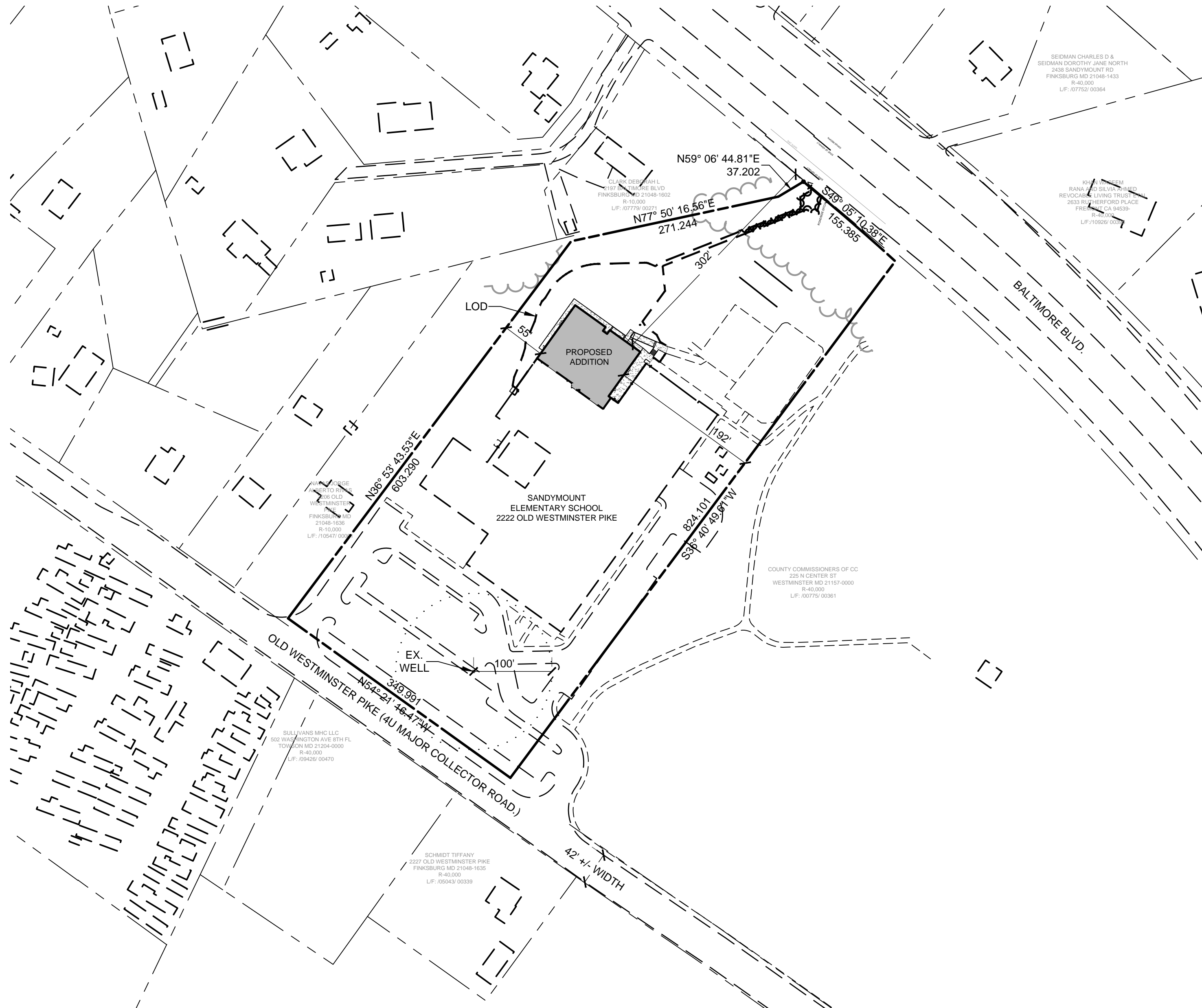
NAME(S) (PRINTED) \_\_\_\_\_ DATE \_\_\_\_\_

SIGNED \_\_\_\_\_ DATE \_\_\_\_\_

CARROLL COUNTY  
HEALTH DEPARTMENT

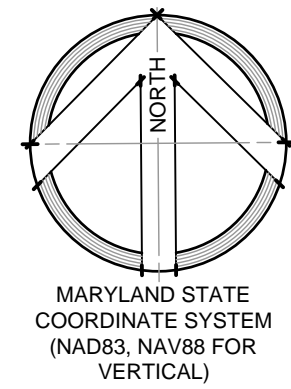
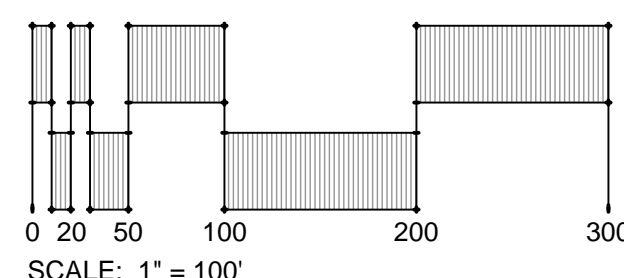
BY \_\_\_\_\_ DATE \_\_\_\_\_

COUNTY FILE NUMBER:  
S-23-0032



SHEET LIST TABLE

Sheet Number	Sheet Title
1	C001 Cover Sheet
2	C002 General Notes
3	C003 Addition Building Elevation
4	C101 Existing Conditions and Demolition Plan
5	C111 Layout & Utility Plan
6	C131 Grading Plan
7	C201 Site Details
8	C301 Utility Profiles
9	C501 Existing Condition and Resource Mapping SWM Plan
10	C511 Proposed Conditions SWM Plan
11	C512 SWM ESD DA Map
12	C521 SWM Details & Notes
13	C522 SWM Test Pits
14	L101 Landscape Plan
15	L201 Landscape Details





GENERAL NOTES (THESE NOTES PERTAIN TO ALL CIVIL DRAWINGS)

1. EXISTING INFORMATION AND CONDITIONS NOT GUARANTEED; VERIFY AND TEST PIT EXISTING UTILITIES: THE CORRECTNESS AND COMPLETENESS OF THE INFORMATION SHOWING EXISTING CONDITIONS IS NOT GUARANTEED. BEFORE BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL PERFORM THE FOLLOWING TASKS:
- (a) NOTIFY MISS UTILITY AT 1-800-257-7777, AND MAKE SURE THEY COMPLETE THE MARKING OF UTILITIES WITHIN THE LIMITS OF CURB PRIOR TO AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION. CONTROL MEASURES, MAINTAIN ALL MARKINGS THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL ALSO INCLUDE IN HIS BID PRICE MARKING OF ON-SITE UTILITIES THAT MIGHT NOT BE MARKED BY MISS UTILITY; THE CONTRACTOR SHALL EITHER MARK THESE ON-SITE UTILITIES HIMSELF OR BY SUBCONTRACTING WITH A PRIVATE ON-SITE UTILITY LOCATION COMPANY.
- (b) VERIFY THE GENERAL ACCURACY OF THE EXISTING CONDITIONS SHOWN ON THE SITE DRAWINGS BY VISUAL INSPECTION OF THE SURFACE OF THE SITE AND ALL EXISTING STRUCTURES, PAVING AND UTILITY APPURTENANCES VISIBLE THEREON;
- (c) WITH REGARD TO THE STRUCTURES & APPURTENANCES OBSERVED AS REQUIRED PER ITEM (B) ABOVE, DETERMINE THE TYPE, SIZE, LOCATION AND ELEVATION OF ALL THOSE EXISTING UTILITIES (INCLUDING BUT NOT LIMITED TO ALL STORM DRAINS, SANITARY LINES, WATER LINES, GAS LINES, STEAM LINES, ELECTRIC LINES, TELEPHONE LINES, AND COMMUNICATION DUCTS, AND ALL MANHOLES, INLETS, CLEAN-OUTS, VALVES, HANDHOLES, ETC. RELATED THERETO) WITHIN THE LIMITS OF CONSTRUCTION IN ORDER TO: (i) AVOID DAMAGING OR DISRUPTING SERVICE, AND (ii) TO COORDINATE AND FACILITATE CONSTRUCTION OF PROPOSED UTILITIES AND OTHER IMPROVEMENTS. IN ADDITION TO THE CONTRACTOR'S VISUAL OBSERVATION AND THE UTILITY MARKING (AS REQUIRED ABOVE), THE CONTRACTOR SHALL SCHEDULE AND COMPLETE TEST PITTING OF ALL EXISTING UTILITIES (FOR THE PURPOSES SET FORTH ABOVE) AND SHALL DO SO IN A TIMELY MANNER IN ORDER TO ALLOW TIME FOR ANALYSIS AND REDESIGN BY SITE RESOURCES AND/OR OTHER CONSULTANTS, WITHOUT DELAYING THE PROJECT SCHEDULE.
- (d) IMMEDIATELY REPORT TO SITE RESOURCES, INC. THE RESULTS OF STEPS (A), (B) AND (C) WHICH MIGHT INDICATE ANY DISCREPANCY BETWEEN ACTUAL CONDITIONS AND THOSE SHOWN ON THE PLAN, AND ANY POTENTIAL CONFLICTS BETWEEN PROPOSED IMPROVEMENTS AND EXISTING CONDITION.
- TEST PITTING DEFINED: FOR THE PURPOSES OF THIS CONTRACT, EXCAVATION OF UTILITY TRENCHES DOES NOT CONSTITUTE TEST PITTING. TEST PITTING IS A SEPARATE OPERATION COMPLETED AT LEAST SEVEN DAYS BEFORE UTILITY INSTALLATION IS SCHEDULED TO BEGIN. TEST PITTING MEANS EXCAVATION TO EXPOSE EXISTING UTILITIES IN TWO SITUATIONS: (i) WHERE PROPOSED IMPROVEMENTS CROSS EXISTING UTILITIES (PIPES, LINES, STRUCTURES, APPURTENANCES) AND; (ii) WHERE PROPOSED UTILITIES ARE DESIGNED TO CONNECT TO EXISTING UTILITIES. TEST PITTING INCLUDES RECORDING THE TYPE, SIZE, LOCATION AND ELEVATION OF THE EXPOSED UTILITIES, AND FAXING AND MAILING THE RECORD TO SITE RESOURCES, INC. AND THE OWNER. THE RECORD MAY BE A LEGIBLE HAND-WRITTEN FIELD SKETCH.
2. EXISTING AND PROPOSED GAS LINES, ELECTRIC LINES, TELEPHONE LINES, COMMUNICATION LINES AND OTHER UTILITIES: THESE DRAWINGS INCLUDE INFORMATION AND DEPICTIONS OF BALTIMORE GAS & ELECTRIC COMPANY'S (BGE) ELECTRIC AND/OR GAS UTILITIES LOCATED WITHIN THE GENERAL PROJECT AREA. LOCATIONS, DIMENSIONS, DEPTHS, AND OTHER DETAILS OF ANY SUCH UTILITIES MAY NOT BE AS ACTUALLY CONSTRUCTED, AND THE INFORMATION SHALL NOT BE RELIED UPON WITHOUT FIELD VERIFICATION BY TEST PITTING AS DEFINED ABOVE. EXCAVATORS MUST EMPLOY SAFE DIGGING PRACTICES WHEN APPROACHING BGE ELECTRIC AND/OR GAS UTILITIES AND COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS INCLUDING, BUT NOT LIMITED TO, THE LAW GOVERNING NOTIFICATION OF MISS UTILITY. NO REPRESENTATION, GUARANTEES, OR WARRANTIES EXPRESSED OR IMPLIED ARE MADE BY BGE OR SITE RESOURCES, INC. AS TO THE QUALITY, COMPLETENESS, OR ACCURACY OF THE BGE UTILITY INFORMATION, AND IN ACCEPTING THESE DRAWINGS, THE RECIPIENT EXPRESSLY AGREES THAT IT IS NOT RELYING ON THE ACCURACY OF THE SAME.
- EXISTING AND PROPOSED GAS LINES, STEAM LINES, ELECTRIC LINES, TELEPHONE LINES, COMMUNICATION DUCTS AND OTHER SUCH UTILITIES ARE NOT PART OF THE SCOPE OF WORK SHOWN ON THESE SITE PLANS AND SITE RESOURCES, INC. HAS NO RESPONSIBILITY FOR DESIGN, SPECIFICATION OR INSTALLATION OF SAID UTILITIES. TO THE EXTENT THAT SOME OR ALL OF SUCH UTILITIES (WHETHER EXISTING OR PROPOSED) APPEAR ON THE SITE DRAWINGS, IT IS PRESENTED ONLY FOR THE CONVENIENCE OF THE CONTRACTOR AND THE CORRECTNESS AND COMPLETENESS OF THE INFORMATION SHOWING THESE UTILITIES IS NOT GUARANTEED.
3. COORDINATION BETWEEN PROPOSED UTILITIES: THE CONTRACTOR SHALL ADJUST THE LOCATION AND ELEVATION OF PROPOSED GAS LINES, ELECTRIC LINES, TELEPHONE LINES, COMMUNICATION LINES, AND WATER LINES AS NEEDED TO CONSTRUCT THE PROPOSED STORM DRAINS AND SANITARY SEWER WITH MINIMUM CLEARANCES. COORDINATE WITH THE MECHANICAL/ELECTRICAL DRAWINGS AND SPECIFICATIONS AND APPROPRIATE UTILITY COMPANY.
4. RELOCATION OF EXISTING UTILITIES: IN THE EVENT THAT THE LOCATION OR ELEVATION OF EXISTING MINOR UNDERGROUND ELECTRIC LINES AND PHONE LINES CONFLICT WITH PROPOSED STORM DRAINS, SANITARY SEWER LINES OR WATER LINES, THE CONTRACTOR SHALL, WITH THE PERMISSION OF THE OWNER AND WITHOUT AN EXTRA COST TO THE PROJECT, ADJUST THESE LINES TO PERMIT INSTALLATION OF THE NEW UTILITIES. IN THE EVENT THAT ANY OTHER UTILITY IS RELOCATED TO ACCOMMODATE A NEW UTILITY, SAID RELOCATION SHALL BE AN EXTRA COST TO THE PROJECT, SUBJECT TO THE TERMS AND CONDITIONS OF THE CONSTRUCTION CONTRACT.
5. UTILITIES TO REMAIN OPERATIONAL: ADJUSTMENT FOR FINAL GRADE: ALL EXISTING UTILITIES SHALL BE RETAINED UNLESS MARKED OTHERWISE. EXISTING UTILITIES NOT TO BE REMOVED ARE TO REMAIN OPERATIONAL AT ALL TIMES. EXISTING UTILITIES TO BE REPLACED OR RELOCATED SHALL REMAIN IN SERVICE UNTIL REPLACED OR RELOCATED UTILITIES ARE OPERATIONAL. ALL EXISTING UTILITY APPURTENANCES SHALL BE ADJUSTED FOR FINAL GRADE.
6. UTILITY TRENCHING, BACKFILL AND COMPACTION: ALL TRENCHING FOR SANITARY SEWER, STORM DRAINS AND WATER MAINS SHALL BE DONE IN ACCORDANCE WITH THE LATEST STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION PUBLISHED BY CARROLL COUNTY AS AMENDED TO DATE.
7. UTILITY CERTIFICATION: THE CONTRACTOR SHALL HAVE A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MARYLAND CERTIFY, ON A FORM PROVIDED BY THE OWNER, THAT ALL PROPOSED STORM DRAINS, SANITARY SEWERS AND WATER LINES SHOWN HEREON WERE INSTALLED IN ACCORDANCE WITH THESE PLANS AND CARROLL COUNTY SPECIFICATIONS. IF SAID CERTIFICATION IS NOT POSSIBLE BECAUSE THE UTILITIES WERE NOT INSTALLED IN ACCORDANCE WITH THESE PLANS AND CARROLL COUNTY SPECIFICATIONS, THEN THE OWNER HAS THE OPTION OF WAIVING, IN WRITING, THIS CERTIFICATION, IN WHOLE OR PART. IF THE OWNER DOES NOT ELECT TO WAIVE THE CERTIFICATION, THE CONTRACTOR SHALL ADJUST AND, IF NECESSARY, RECONSTRUCT THE UTILITIES TO BRING THEM IN CONFORMANCE WITH THESE PLANS AND CARROLL COUNTY SPECIFICATIONS.
8. UTILITY CAPPING AND PROTECTION: ALL BUILDING CONNECTIONS SHALL BE CAPPED AT UPSTREAM END, 5 FEET FROM PROPOSED BUILDINGS, CAISSONS OR COLUMN FOOTINGS OR AS NOTED, AND SHALL BE PROTECTED BY PROVIDING THREE STAKES (THE HEIGHT BEING A MINIMUM OF 18 INCHES ABOVE PROPOSED GRADE) WITH HIGH VISIBILITY FLAGGING AROUND THE CAPPED END OF THE UTILITY.
9. PROPOSED WATER LINES: PROPOSED WATER LINES SHALL HAVE A MINIMUM OF 4'-0" COVER FROM FINISHED GRADE, 1'-0" CLEARANCE FROM STORM DRAINS AND 1'-0" CLEARANCE FROM SANITARY SEWERS, UNLESS INDICATED OTHERWISE ON THESE CONSTRUCTION DRAWINGS. ALL WATER MAINS 3" OR LARGER SHALL BE CLASS 54 DIP MEETING AWWA C110/C153. ALL WATER LINES 2" AND SMALLER SHALL BE TYPE K COPPER TUBING MEETING THE MATERIAL, CHEMICAL, AND MECHANICAL REQUIREMENTS OF ASTM B-88.
10. PROPOSED STORM DRAINS: ALL STORM DRAINS 12 INCHES AND LARGER SHALL BE CLASS IV REINFORCED CONCRETE CULVERT PIPE (RCCP) UNLESS INDICATED OTHERWISE ON THESE CONSTRUCTION DRAWINGS.
11. PROPOSED SANITARY SEWERS: ALL PIPE AND FITTINGS FOR SANITARY HOUSE CONNECTION SHALL BE POLYVINYL CHLORIDE (PVC) MEETING MATERIAL REQUIREMENTS OF ASTM D3034, (SDR-35 OR SDR-26 AS APPROPRIATE FOR DEPTH OF BURIAL) UNLESS INDICATED OTHERWISE ON THESE CONSTRUCTION DRAWINGS. JOINTS SHALL BE ELASTOMERIC GASKETED.
12. STANDARD CONSTRUCTION SPECIFICATIONS AND DETAILS: UNLESS OTHERWISE NOTED OR DETAILED ON THE DRAWINGS, ALL CONSTRUCTION SHALL FOLLOW THE LATEST STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION PUBLISHED BY CARROLL COUNTY AS AMENDED TO DATE.
13. SEDIMENT CONTROL: THE CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL UTILITIES TO AVOID CONSTRUCTION PROBLEMS/CONFLICTS WITH SEDIMENT AND EROSION CONTROL MEASURES. ANY DISTURBANCE TO SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REPAIRED AT THE END OF EACH WORKING DAY. CONTRACTOR SHALL, WITHOUT EXTRA COST TO THE PROJECT, REPAIR AND MAINTAIN EXISTING SEDIMENT CONTROL DEVICES UNTIL ALL AREAS WITHIN LIMITS OF CONSTRUCTION ARE STABILIZED. WITH THE APPROVAL OF SEDIMENT CONTROL INSPECTOR, ALL SEDIMENT CONTROL DEVICES SHALL BE REMOVED AND AREAS RESTORED AND STABILIZED. ALL SEDIMENT CONTROL MEASURES REFERRED TO ON THESE PLANS SHALL BE IN ACCORDANCE WITH THE PUBLICATION ENTITLED 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

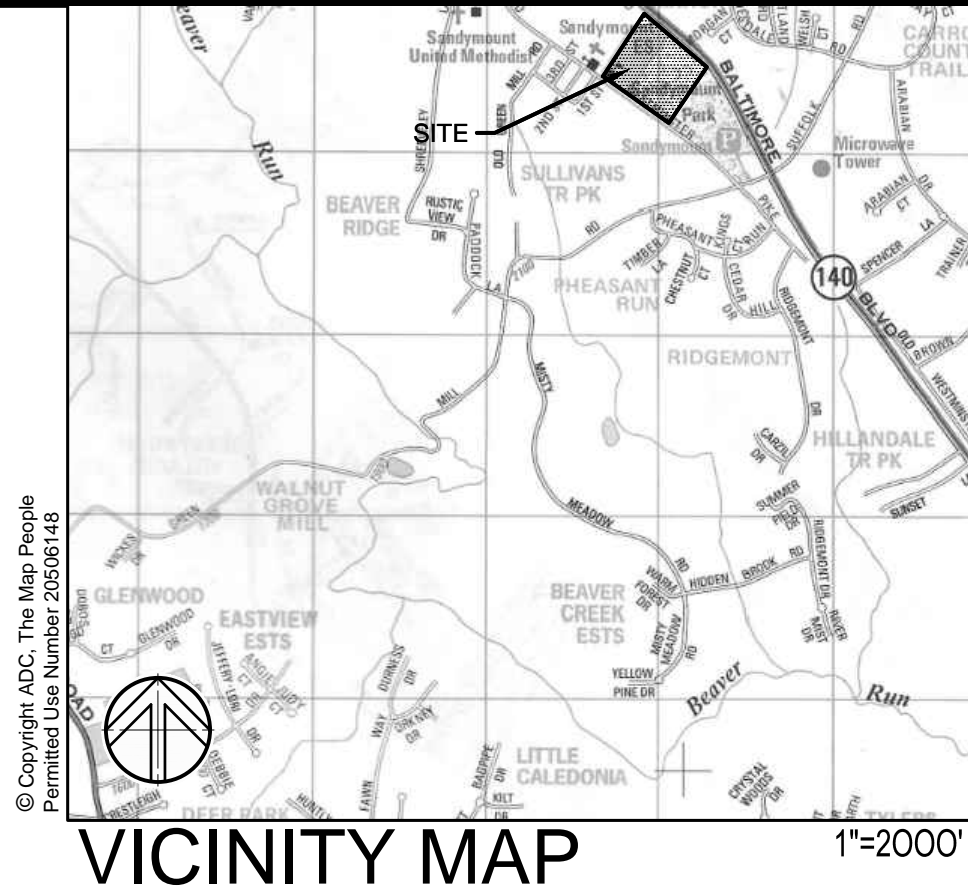
14. DISTURBED AREAS: ALL AREAS DISTURBED BY THE CONTRACTOR DURING OR PRIOR TO CONSTRUCTION, NOT DESIGNATED TO RECEIVE PAVING, MULCH OR SOLID SOD SHALL BE FINE GRADED, SEEDED AND MULCHED IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES AND SPECIFICATIONS SHOWN ON THE SEDIMENT CONTROL DRAWINGS.
15. REPAIR AND REPLACEMENT OF DAMAGE CAUSED BY CONTRACTOR AND SUBCONTRACTORS: IN THE EVENT THAT THE CONTRACTOR OR ANY OF HIS SUBCONTRACTORS DAMAGE ANY EXISTING CURB, GUTTER, PAVING, UTILITIES, SIDEWALKS, TREES, SHRUBS, LAWNS, OR ANY OTHER EXISTING CONDITIONS (NOT INDICATED TO BE DEMOLISHED), OR ANY NEWLY INSTALLED PROPOSED IMPROVEMENT, THE GENERAL CONTRACTOR SHALL REPAIR AND REPLACE SAID DAMAGE TO OWNER'S SATISFACTION, AT GENERAL CONTRACTOR'S SOLE COST AND EXPENSE.
16. BENCHMARKS: SEE EXISTING CONDITIONS AND DEMOLITION PLAN.
17. ELEVATION AND LABELING: ALL SPOT GRADE ELEVATIONS IN ROADWAYS AND PARKING LOTS ARE FOR BOTTOM OF CURB UNLESS OTHERWISE NOTED. ELEVATIONS ON HARD SURFACES (ROADS, WALKS, WALLS, STEPS, MANHOLES, INLETS, ETC.) ARE LABELED TO THE HUNDRETH OF A FOOT (E.G. 245.45). ELEVATIONS ON PROPOSED LAWN AND PLANTING AREAS ARE LABELED TO THE TENTH OF A FOOT (E.G. 245.5).
18. DIMENSIONS: UNLESS OTHERWISE NOTED ON THE DRAWING, ALL DIMENSIONS SHOWN ON THE SITE DRAWINGS FOLLOW THESE CONVENTIONS:
- (a) DIMENSIONS TO A BUILDING OR RETAINING WALL ARE TO THE FACE OF THE WALL;
- (b) DIMENSIONS TO A CURB ARE TO THE FACE (NOT THE BACK) OF THE CURB;
- (c) DIMENSIONS TO A FENCE ARE TO THE CENTERLINE OF THE FENCE;
- (d) DIMENSIONS FOR SIDEWALKS ABUTTING A CURB ARE FROM THE FACE OF CURB TO THE BACK EDGE OF THE WALK;
- (e) DIMENSIONS FOR OTHER SIDEWALKS OR OPEN PAVING SECTIONS ARE MEASURED TO THE EDGE OF PAVING;
- (f) DIMENSIONS TO A MANHOLE, INLET, CLEANOUT, PIPE BEND, VALVE, FIRE HYDRANT OR OTHER UTILITY APPURTENANCE ARE TO THE CENTER OF THE STRUCTURE;
- (g) DIMENSIONS FOR STEPS ARE TO THE OUTER EDGE OF THE STAIRCASE AND THE NOSE OF THE TOP OR BOTTOM STEP;
- (h) LAYOUT OF SEDIMENT CONTROL MEASURES AND PLANT MATERIAL SHALL BE SCALED.
19. GRADING: IT IS THE INTENT OF THE GRADING DESIGN TO ACHIEVE POSITIVE DRAINAGE AND AESTHETICALLY PLEASING VERTICAL CURVES AND LINES. TRANSITIONS BETWEEN EXISTING AND PROPOSED PAVEMENT SHALL BE SMOOTH AND JOINTS FLUSH. UNLESS OTHERWISE EXPRESSLY NOTED ON THE PLAN (BY ARROW WITH THE PERCENT SLOPE LABELED), ALL PROPOSED BITUMINOUS PAVING SHALL HAVE A SLOPE OF AT LEAST 2 PERCENT AND ALL CONCRETE SHALL HAVE A MINIMUM SLOPE OF 1.5 PERCENT IN THE DIRECTION INDICATED BY PROPOSED CONTOURS. UNPAVED AREAS SHALL HAVE A MINIMUM SLOPE OF 2 PERCENT AND A MAXIMUM SLOPE OF 2:1. FINAL GRADING SHALL ACHIEVE POSITIVE SURFACE DRAINAGE AWAY FROM BUILDINGS AND TOWARD DRAINAGE FACILITIES (SWALES, GUTTERS, INLETS, ETC.).
20. COMPACTION: ALL EARTH FILL MATERIAL UNDER SLABS, FOOTINGS AND PAVED AREAS SHALL BE PLACED IN 8" LOOSE LAYERS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D 698. ALL OTHER FILL SHALL BE COMPACTED TO 90%.
21. HEADINGS: THE HEADINGS CONTAINED IN THESE GENERAL NOTES ARE FOR THE CONVENIENCE OF THE READER ONLY AND SHALL NOT LIMIT THE RESPONSIBILITY OF THE CONTRACTOR. IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY ANY WORK WHICH WOULD NORMALLY BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR FROM COMPLETING SUCH WORK.
22. ABBREVIATIONS:
- |         |                              |      |                                  |
|---------|------------------------------|------|----------------------------------|
| PROP    | PROPOSED*                    | DIP  | DUCTILE IRON PIPE                |
| EX      | EXISTING                     | PVC  | POLYVINYL CHLORIDE PIPE          |
| ASPH    | ASPHALT                      | HDPE | HIGH DENSITY POLYETHYLENE PIPE   |
| CONC    | CONCRETE                     | CMP  | CORRUGATED METAL PIPE            |
| M OR MH | MANHOLE                      | RCCP | REINFORCED CONCRETE PIPE         |
| SD      | STORM DRAIN                  | C&G  | CONCRETE CURB & GUTTER           |
| I       | INLET                        | INV  | INVERT ELEVATION                 |
| SN      | SANITARY SEWER               | FDC  | FIRE DEPARTMENT CONNECTION       |
| FF      | FINISHED FLOOR ELEVATION     | FH   | FIRE HYDRANT                     |
| BF      | BASEMENT FLOOR ELEVATION     |      |                                  |
| TC      | TOP OF CURB                  | BC   | BOTTOM OF CURB                   |
| TS      | TOP OF STEP                  | BS   | BOTTOM OF STEP                   |
| TW      | TOP OF WALL                  | BW   | BOTTOM OF WALL                   |
| PC      | POINT OF CURVATURE           | PS   | PARKING SPACE                    |
| PT      | POINT OF TANGENCY            | HC   | HANDICAPPED PARKING SPACE        |
| PI      | POINT OF INTERSECTION        | TYP  | TYPICAL                          |
| AGIP    | AT-GRADE INLET PROTECTION    | CIP  | CURB INLET PROTECTION            |
| COIP    | COMBINATION INLET PROTECTION | ED   | EARTH DIKE                       |
| FB      | FILTER BAG                   | IB   | INLET BLOCKING                   |
| RPS     | REMOVABLE PUMPING STATION    | SCE  | STABILIZED CONSTRUCTION ENTRANCE |
| SFD     | SUPER FENCE DIVERSION        | SIP  | STANDARD INLET PROTECTION        |
| SP      | SUMP PIT                     | SSF  | SUPER SILT FENCE                 |
| TS      | TEMPORARY SWALE              | TSOS | TEMPORARY STONE OUTLET STRUCTURE |

\*PROPOSED MEANS WORK INCLUDED IN THE BASE CONTRACT UNLESS ACCOMPANIED BY THE PHRASES "N.I.C." OR "BY OTHERS."

23. NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES): IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT ALL THE PROVISIONS AND REQUIREMENTS OF THE NPDES PERMIT. THE PERMIT HAS BEEN APPLIED FOR BY THE OWNER, BUT NO LAND DISTURBANCE IS PERMITTED UNTIL THE NPDES PERMIT HAS BEEN ISSUED.
24. ALL SIDEWALKS, PATHS AND OTHER PAVED AREAS SHALL BE FINISH GRADED WITH A MAXIMUM LONGITUDINAL SLOPE OF 5% (1:20) AND A MAXIMUM CROSS SLOPE OF 2% (1:50) UNLESS OTHERWISE NOTED.
25. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL SITE ELEMENTS ARE CONSTRUCTED IN ACCORDANCE WITH THE ADA 2010 STANDARDS FOR ACCESSIBLE DESIGN OR MOST CURRENT.
26. TO THE EXTENT THAT QUANTITIES MAY BE LISTED ON THESE PLANS, THEY ARE FOR PERMITTING PURPOSES ONLY AND NOT FOR BIDDING PURPOSES. CONTRACTOR SHALL FORM HIS OWN CONCLUSIONS ABOUT THE QUANTITIES OF ALL MATERIALS AND OPERATIONS NECESSARY TO COMPLETE THE PROJECT.
27. SWM AS-BUILT NOTE: IT IS THE CONTRACTOR'S RESPONSIBILITY, ON BEHALF OF THE OWNER, TO ENGAGE A LICENSED PROFESSIONAL ENGINEER TO CERTIFY THE STORMWATER MANAGEMENT FACILITIES AND TO PREPARE, SUBMIT AND PROCESS AS-BUILT DRAWINGS WITH THE AUTHORITIES HAVING JURISDICTION.

INSPECTION SEQUENCE NOTES

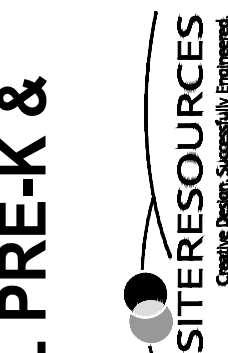
1. CONTRACTOR SHALL NOTIFY THE CARROLL COUNTY BUREAU OF PERMITS AND INSPECTIONS AT 410-386-2874, AT LEAST ONE DAY PRIOR TO BEGINNING ANY WORK.
2. SITE COMPLIANCE INSPECTIONS ARE REQUIRED AT THE FOLLOWING STAGES DURING CONSTRUCTION:
- a. PROPOSED STRUCTURES STAKED OUT IN PROPER LOCATIONS AS SHOWN ON THESE PLANS.
- b. PROPOSED FOUNDATIONS INSTALLED FOR ALL BUILDINGS SHOWN ON THESE PLANS.
- c. SUB-GRADE ESTABLISHED FOR ALL DRIVES, PARKING LOTS, AND SURROUNDING GRADING.
- d. COMPLETION OF ALL DRIVES, PARKING LOTS, AND SURROUNDING GRADING.
- e. COMPLETION OF ALL WORKS SHOWN ON PLANS.
3. CONTRACTOR SHALL NOTIFY CARROLL COUNTY BUREAU OF RESOURCE MANAGEMENT, ENVIRONMENTAL INSPECTION SERVICES DIVISION AT 410-386-2210 PRIOR TO BEGINNING ANY WORK. ALL FOREST CONSERVATION PLAN DEVICES MUST BE IN PLACE PRIOR TO ANY CONSTRUCTION.
4. FINAL LANDSCAPING INSPECTION SHALL BE ARRANGED THROUGH BUREAU OF RESOURCE MANAGEMENT ENVIRONMENTAL INSPECTION SERVICES DIVISION AT 410-386-2210 BY THE CONTRACTOR/DEVELOPER OR AGENT. WRITTEN APPROVAL FROM THE LANDSCAPE REVIEW SPECIALIST, BUREAU OF RESOURCE MANAGEMENT, MUST BE OBTAINED FOR ANY DEVIATIONS FROM THE LANDSCAPING OR FOREST CONSERVATION PLANS FOR MODIFICATIONS IN THE PLANT MATERIALS.
5. THE CONTRACTOR SHALL NOT PROCEED TO THE NEXT PHASE OF CONSTRUCTION UNTIL GIVEN APPROVAL OF PRIOR PHASES.



VICINITY MAP



PSC #06.005



SANDYMOUNT ELEMENTARY SCHOOL PRE-K & KINDERGARTEN ADDITIONS

CARROLL COUNTY PUBLIC SCHOOLS  
1110 GIST ROAD, WESTMINSTER, MD 21157

PROJECT NO. 631390	
DATE:	
REVISIONS	
DATE	DESCRIPTION
9/18/24	CD PROGRESS SET

GENERAL NOTES

COUNTY FILE NUMBER:  
S-23-0032

C002

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5 3D VIEW - ADDITION

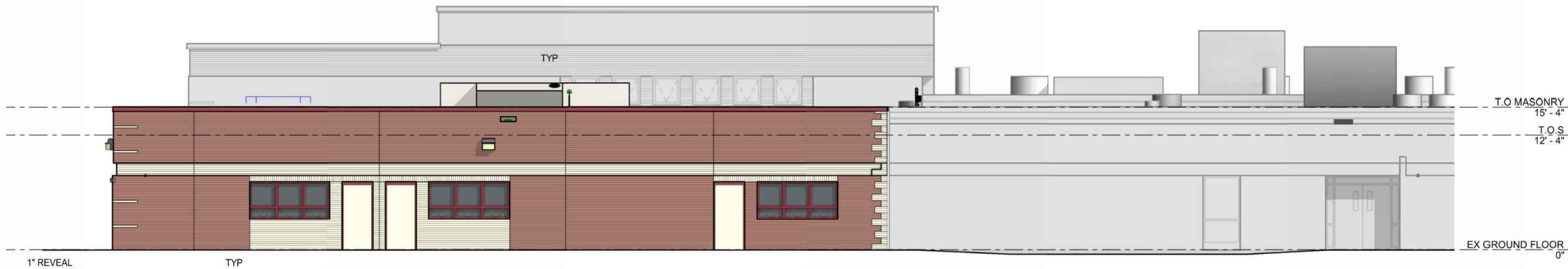
#### BUILDING ELEVATION KEYNOTES

REPRESENTED BY   
APPLIES TO DRAWINGS A4.2n

- BRICK TYPE 1, COLOR 1
- BRICK TYPE 2, COLOR 2
- BRICK SOLDIER COURSE, COLOR 2
- FRAME TYPES AND COLOR TO MATCH EXISTING, TYP.
- DOWNSPOUT
- WALL PACK, MOUNTED AT 11'-2" O.C. SEE ELECTRICAL SHEETS FOR MORE INFORMATION
- <varies>
- CONTROL JOINT
- NEW MECHANICAL EQUIPMENT, SEE MECHANICAL SHEETS FOR MORE INFORMATION
- NEW DOUBLE DOOR, SEE SHEETS A3.1 FOR MORE INFORMATION
- SCUPPER
- ROOF LADDER
- BRICK QUOIN, COLOR 2
- BRICK SOLDIER COURSE, COLOR 1

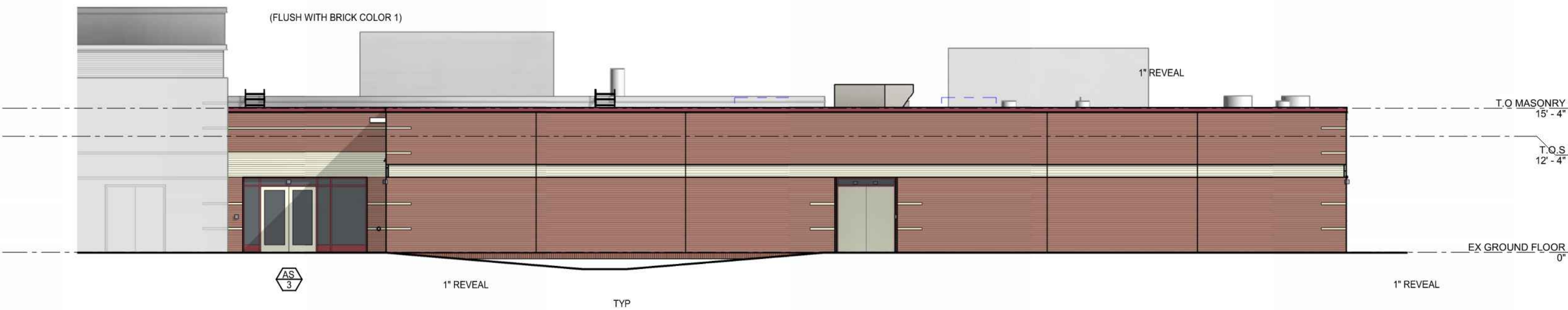
#### GENERAL NOTES

- MASONRY BOND PATTERN SHALL BE RUNNING BOND UNLESS OTHERWISE INDICATED. REFER TO DETAILS FOR MASONRY PATTERNS, BONDING, SPECIAL SHAPES AND MORTAR COLOR PATTERNS.
- MASONRY EXPOSED TO VIEW AT FINISH GRADE SHALL MATCH VENEER (NO EXPOSED CMU). REFER TO STRUCTURAL DRAWINGS FOR TOP OF FOOTING ELEVATIONS.
- PROVIDE SEALANT AT ALL INTERSECTIONS OF DISSIMILAR MATERIALS IN ACCORDANCE WITH THE SPECIFICATIONS. ALL EXTERIOR SEALANTS TO BE A CUSTOM COLOR SELECTED BY THE ARCHITECT. MORE THAN ONE SEALANT COLOR MAY BE SELECTED FOR USE ALONG THE HEIGHT OF THE SAME JOINT TO MATCH ADJOINING MASONRY OR MORTAR.
- ALL EXPOSED EXTERIOR METAL TO BE UNPAINTED GALVANIZED UNLESS OTHERWISE INDICATED.
- REFER TO SHEET A.02 FOR TYPICAL EXTERIOR CONTROL JOINT DETAILS AND NOTES.
- REFER TO A3 SERIES DRAWINGS FOR WINDOW, DOOR AND LOUVER SCHEDULES AND INFORMATION.
- ALL THROUGH-WALL OPENINGS SUCH AS VENTS AND LOUVERS SHALL MATCH COLOR OF SURROUNDING BUILDING MATERIAL, TYP.
- REFER TO FIRE PROTECTION, PLUMBING AND CIVIL DRAWINGS FOR FIRE DEPARTMENT CONNECTION LOCATION & UTILITIES.
- BRICK TYPE 1 AT ALL WALLS U.O.N.



4 NORTHWEST ELEVATION

5 A4.1.1 NOT TO SCALE



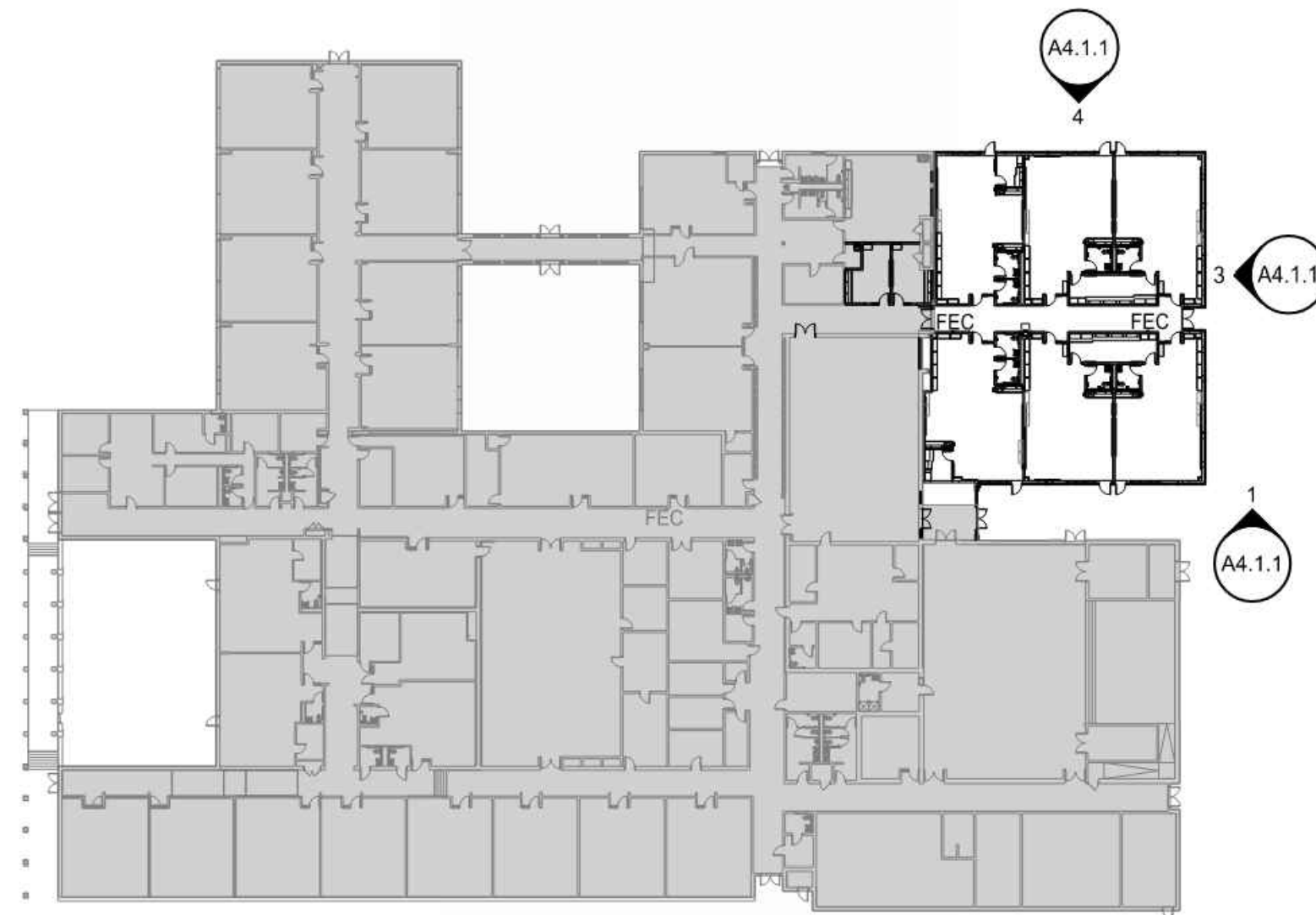
3 NORTHEAST ELEVATION

TYP A4.1.1 NOT TO SCALE

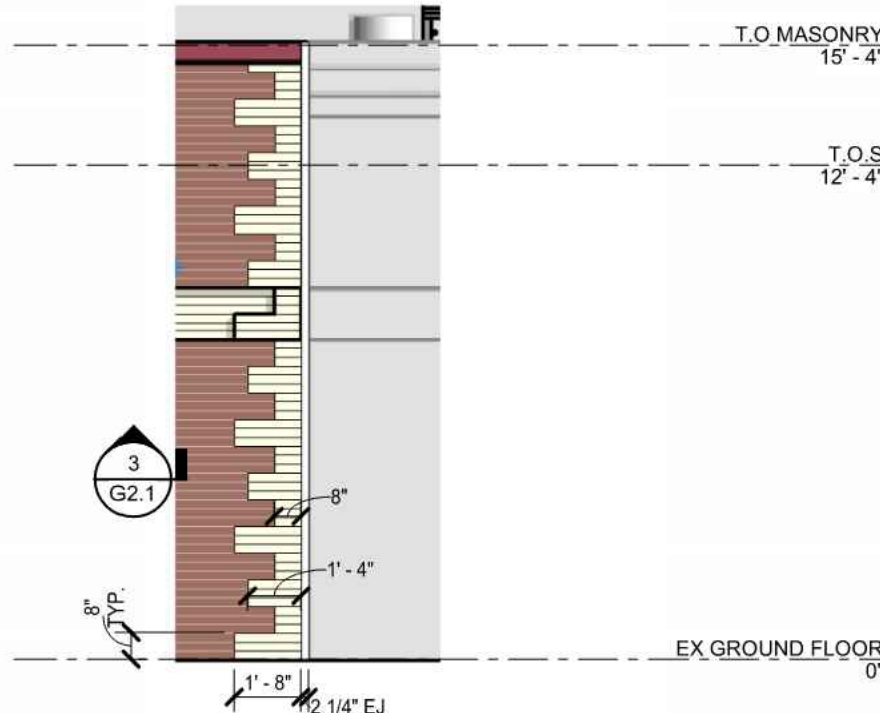


1 SOUTHEAST ELEVATION

5 A4.1.1 NOT TO SCALE



KEY PLAN



2 BRICK QUOIN DETAIL

5 A4.1.1 NOT TO SCALE

COUNTY FILE NUMBER:  
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SANDYMOUNT ELEMENTARY SCHOOL PRE-K &  
KINDERGARTEN ADDITIONS

CARROLL COUNTY PUBLIC SCHOOLS  
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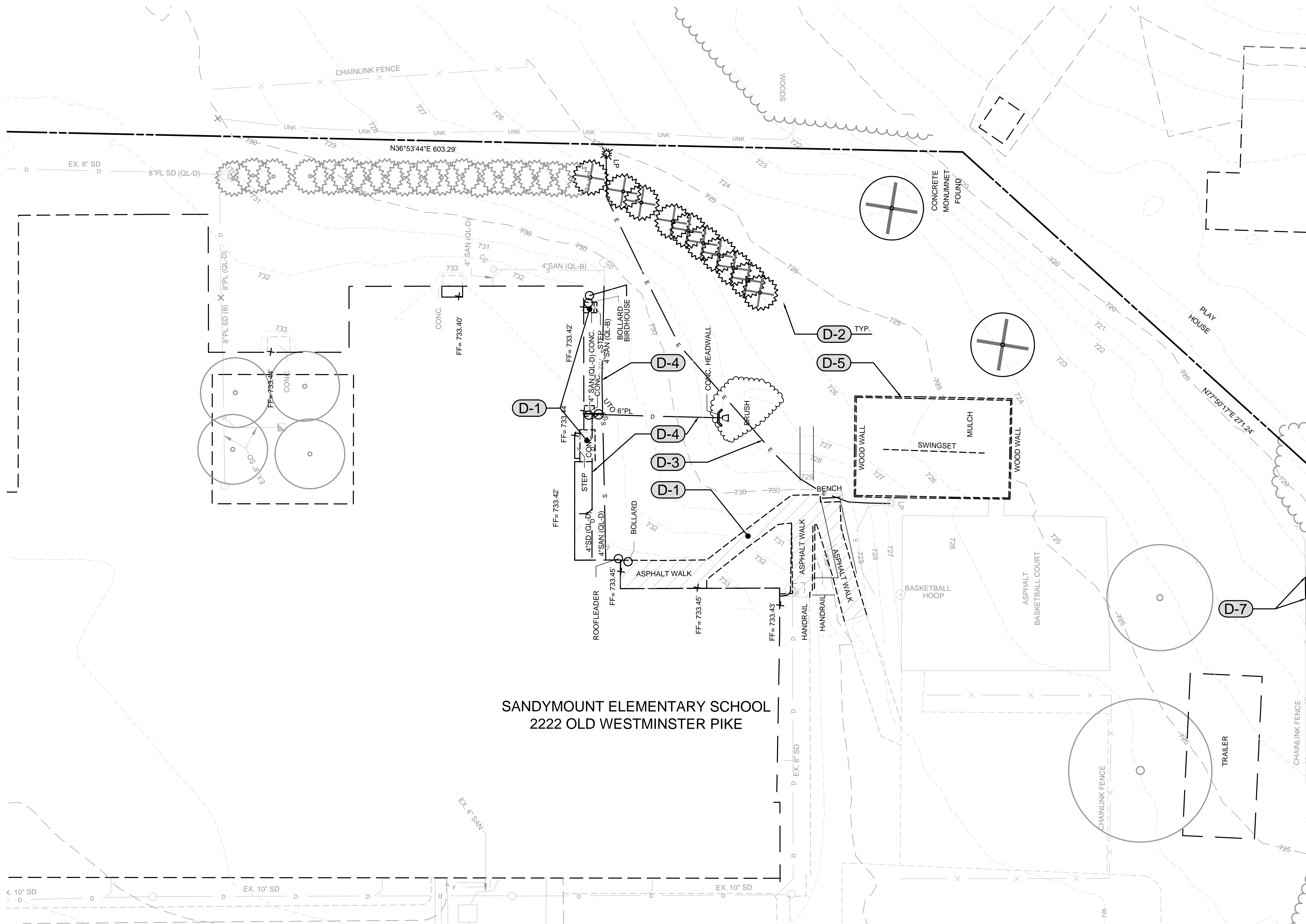
PROJECT NO. 631390
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ADDITION BUILDING  
ELEVATION

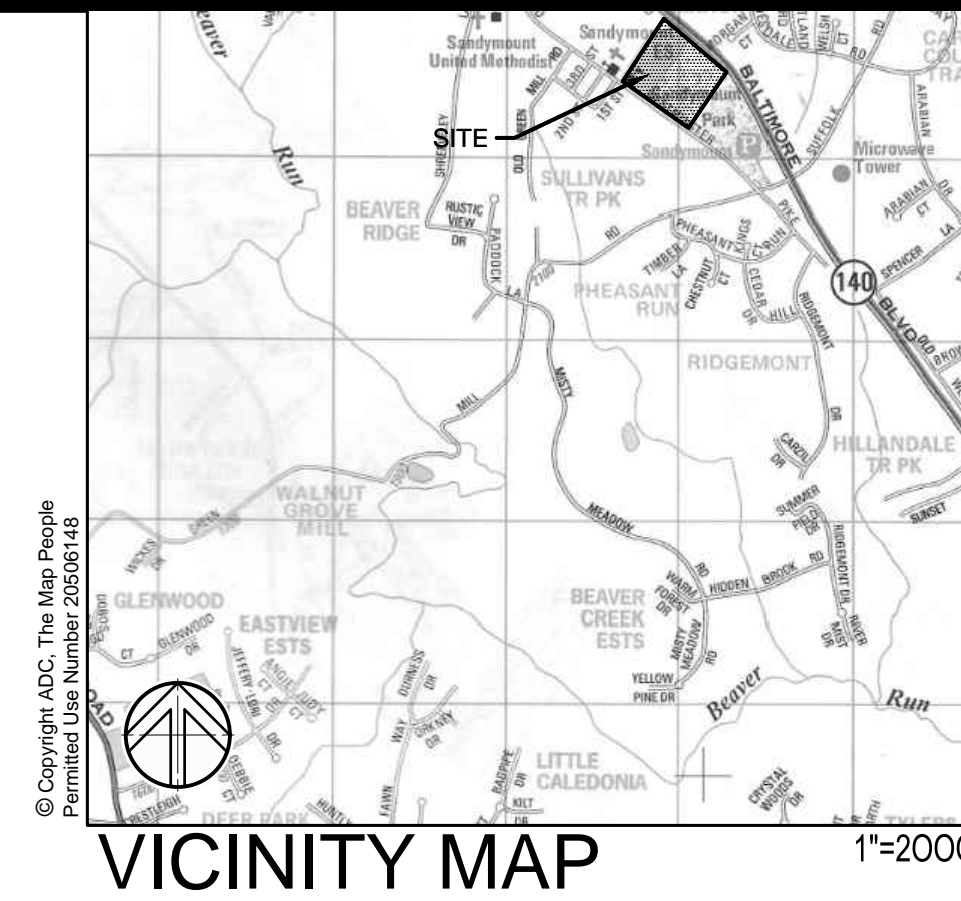
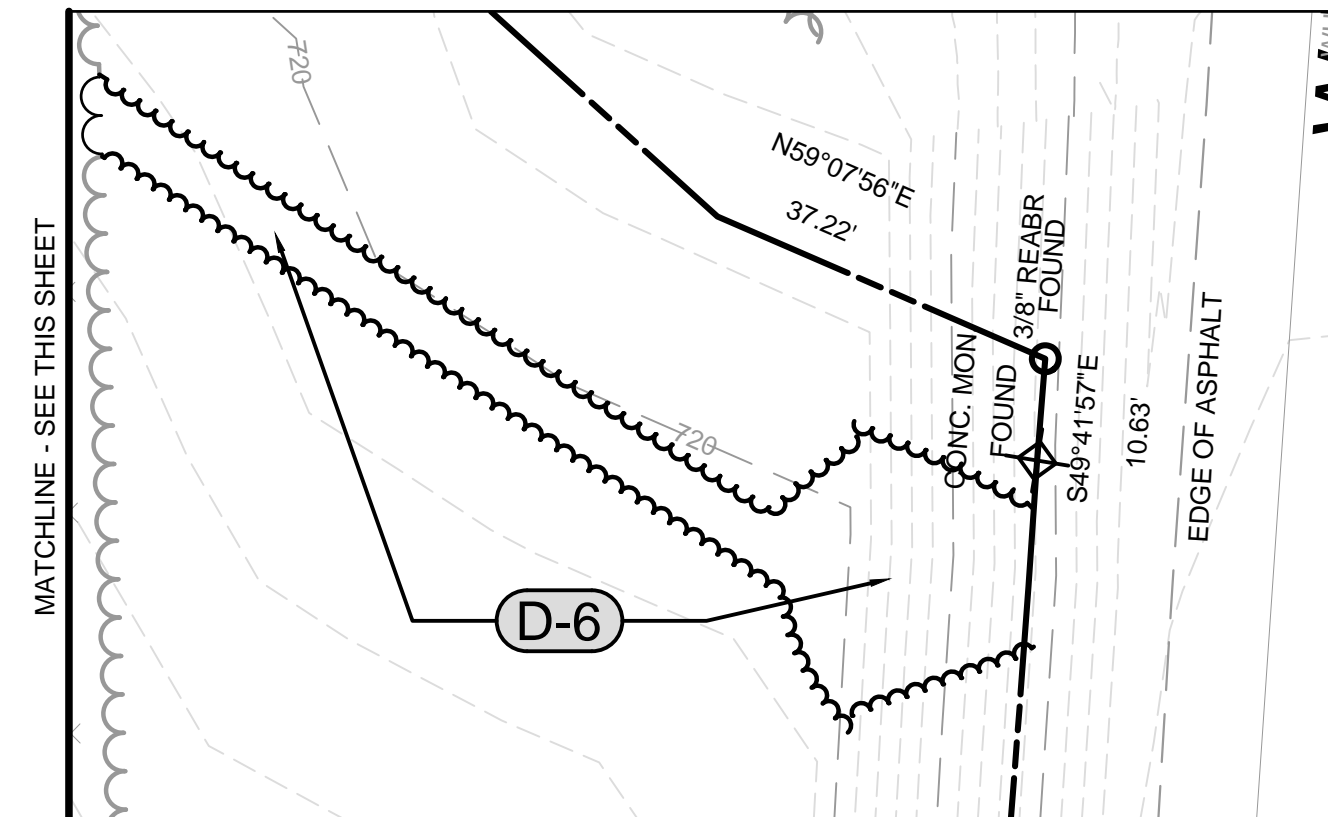
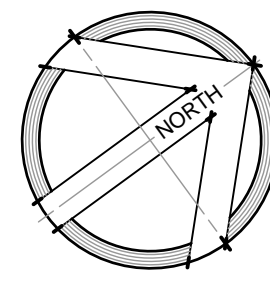
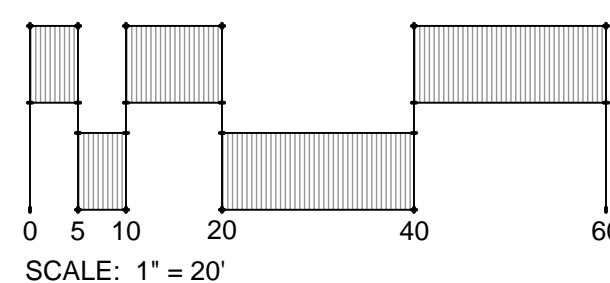
C003

SHEET 3 OF 15





SANDYMOUNT ELEMENTARY SCHOOL  
2222 OLD WESTMINSTER PIKE



## LEGEND

	PROPERTY LINE
	EXISTING BUILDING TO REMAIN
	EXISTING WALK TO REMAIN
	EXISTING WALK TO BE REMOVED
	EXISTING CONCRETE PAVING TO BE REMOVED
	EXISTING FENCE TO REMAIN
	EXISTING TREELINE TO REMAIN
	EXISTING TREELINE TO BE REMOVED
	EXISTING TREES TO REMAIN
	EXISTING TREES TO BE REMOVED
	EXISTING STORM DRAIN TO REMAIN
	EXISTING STORM DRAIN TO BE REMOVED
	EXISTING WATER TO REMAIN
	EXISTING SANITARY SEWER TO REMAIN
	EXISTING SANITARY SEWER TO BE REMOVED
	EXISTING FUEL OIL TO REMAIN
	EXISTING UNKNOWN UTILITY TO REMAIN
	EXISTING ELECTRIC TO REMAIN
	EXISTING ELECTRIC TO BE REMOVED
	EXISTING LIGHTING TO REMAIN
	EXISTING LIGHTING TO BE REMOVED
	EXISTING CONTOURS

## DEMOLITION NOTES

- D-1 REMOVE PAVEMENT AND BASE MATERIAL.
- D-2 REMOVE TREES, STUMPS AND MAJOR ROOTS. REPLACE WITH APPROVED COMPACTED FILL. (TYP.)
- D-3 REMOVE CONDUIT AND SITE LIGHTING AS SHOWN.
- D-4 REMOVE UTILITIES AS REQUIRED FOR PROPOSED ADDITION CONSTRUCTION. ABANDON REMAINING PIPING AND FILL WITH FLOWABLE FILL. REFER TO PLUMBING PLANS FOR PLUMBING CONNECTIONS.
- D-5 REMOVE PLAY EQUIPMENT, PLAY AREA, TIMBERWALL AND BASE MATERIAL.
- D-6 CLEAR WOODED AREA AS NECESSARY FOR UTILITY CONSTRUCTION/GRADING. REMOVE TREES, STUMPS AND MAJOR ROOTS. REPLACE WITH APPROVED COMPACTED FILL.
- D-7 REMOVE PORTION OF CHAINLINK FENCE TO NEAREST POST FOR UTILITY CONSTRUCTION.

COUNTY FILE NUMBER:  
S-23-0032

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**CARROLL COUNTY PUBLIC SCHOOLS  
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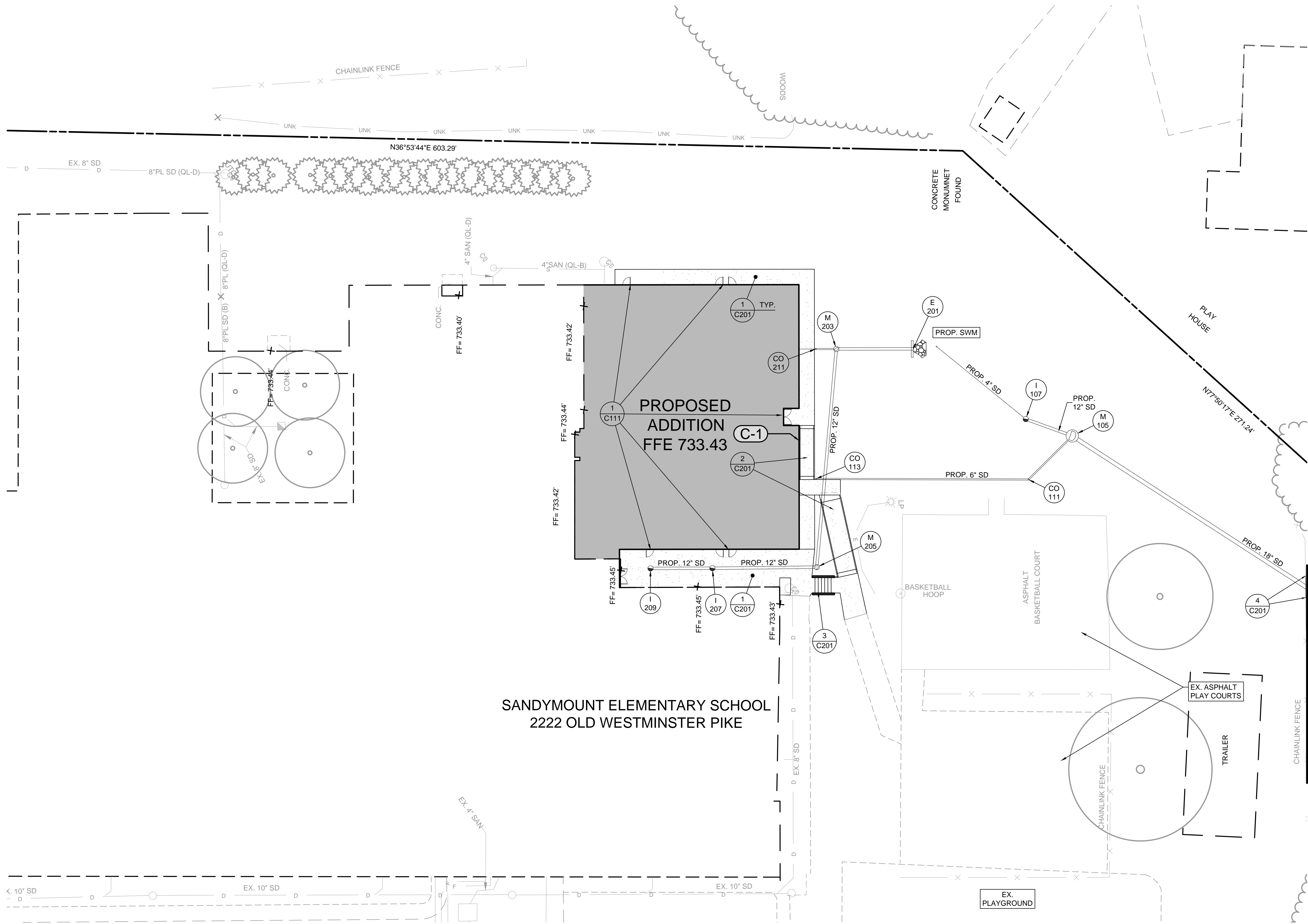
PROJECT NO. 631390	DATE:
REVISIONS	
DATE	DESCRIPTION
9/18/24	CD PROGRESS SET

**EXISTING  
CONDITIONS &  
DEMOLITION PLAN**

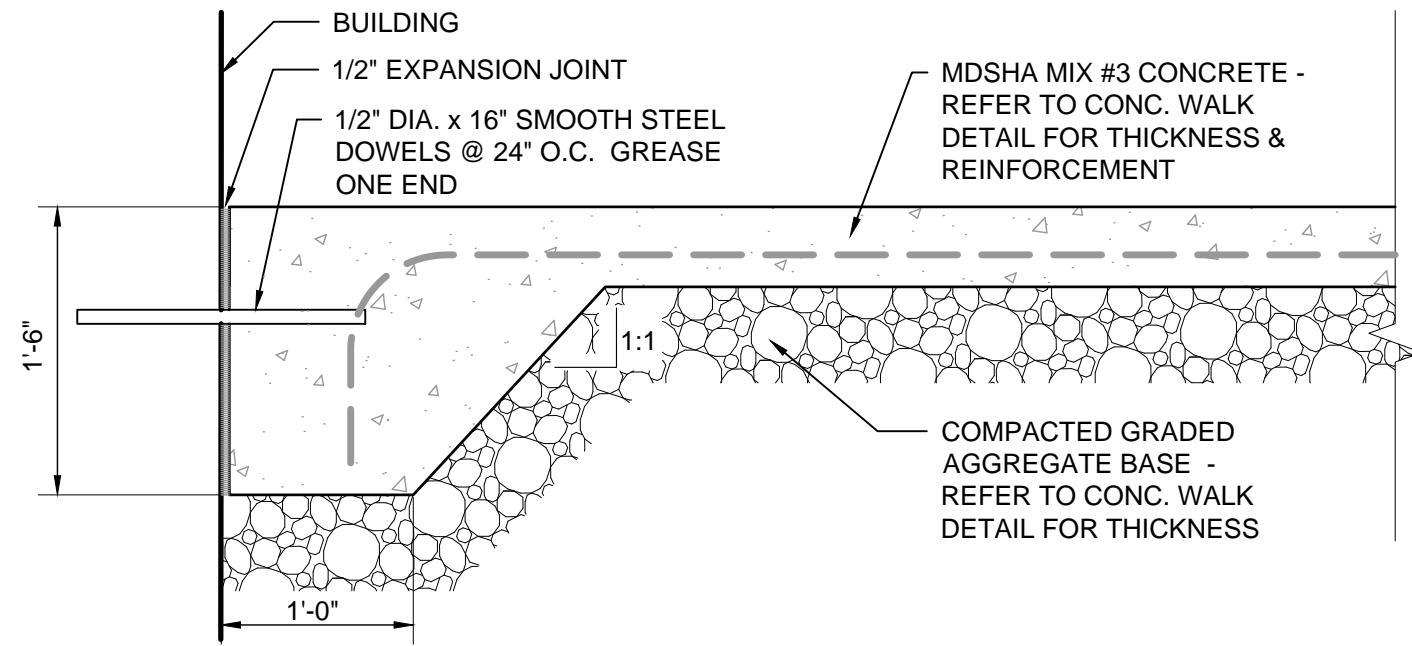
**C101**

SHEET 4 OF 15



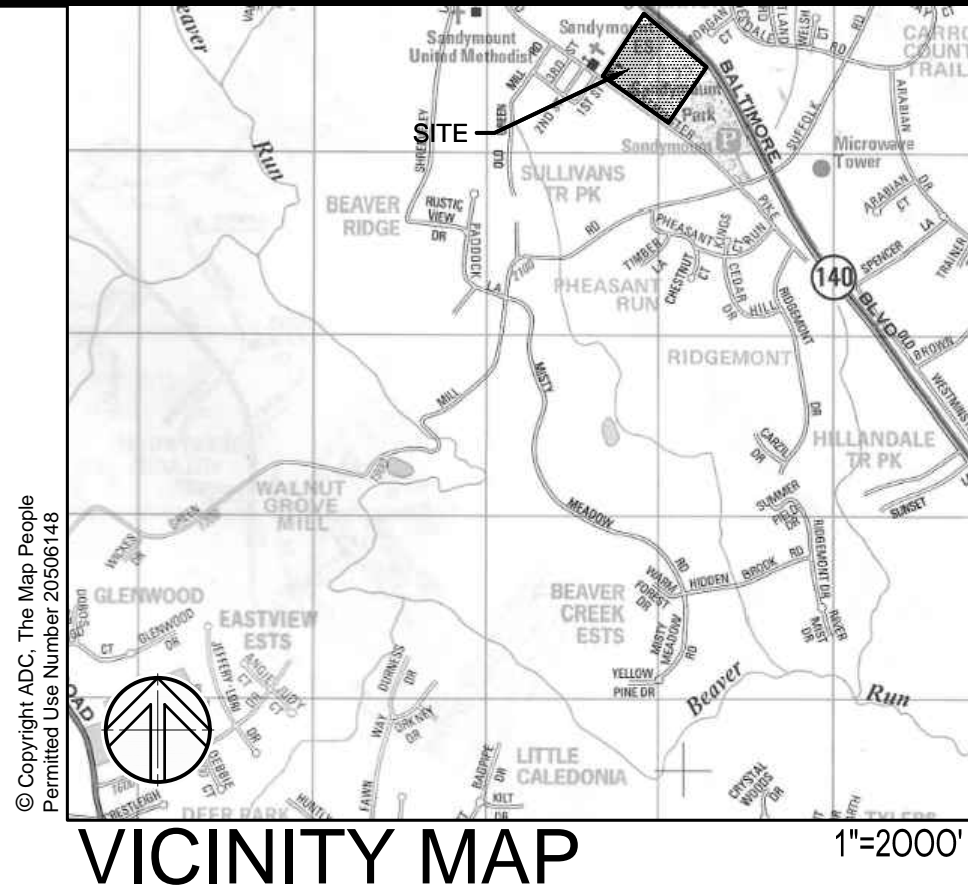
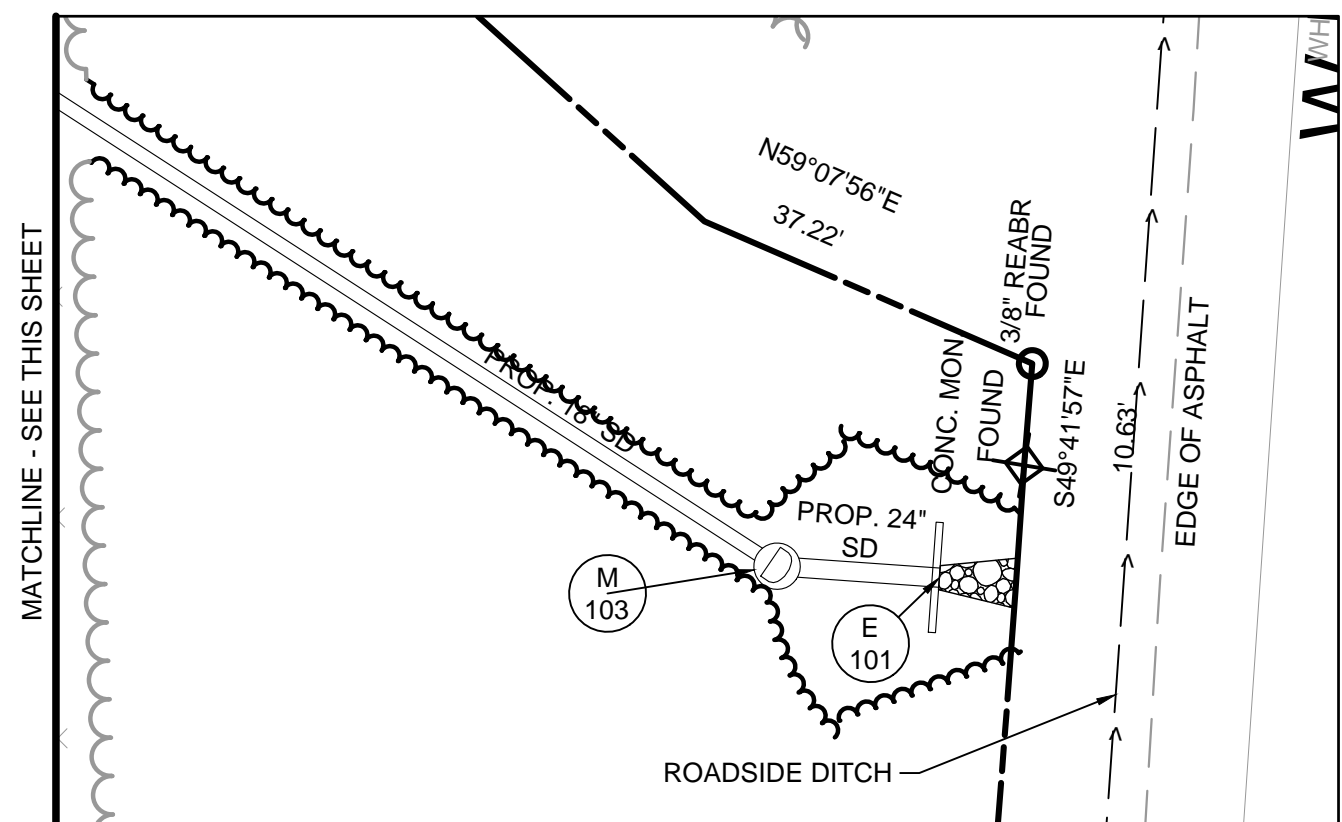


SANDYMOUNT ELEMENTARY SCHOOL  
2222 OLD WESTMINSTER PIKE



1 TURN DOWN SLAB AT BUILDING ENTRANCE

NOT TO SCALE

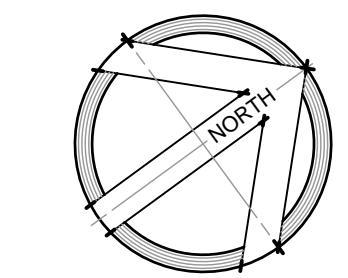
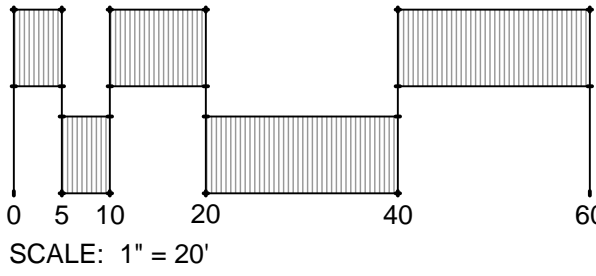


### LEGEND

	PROPERTY LINE
	EXISTING BUILDING
	EXISTING WALK
	EXISTING ROAD
	EXISTING CURB
	EXISTING FENCE
	EXISTING TREES
	EXISTING STORM DRAIN
	EXISTING WATER
	EXISTING SANITARY SEWER
	EXISTING GAS
	EXISTING FUEL OIL
	EXISTING TELEPHONE
	EXISTING ELECTRIC
	EXISTING OVERHEAD ELECTRIC
	EXISTING LIGHTING
	PROPOSED BUILDING
	PROPOSED BUILDING OVERHANG
	PROPOSED SIDEWALK
	PROPOSED RETAINING WALL
	PROPOSED STORM DRAIN

### CONSTRUCTION NOTES

**C-1** CONTRACTOR SHALL ENSURE NO SPACE GREATER THAN 4" OR LESS THAN 1.5" BETWEEN BUILDING AND HANDRAIL



COUNTY FILE NUMBER:  
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**SANDYMOUNT ELEMENTARY SCHOOL PRE-K &  
KINDERGARTEN ADDITIONS**

**CARROLL COUNTY PUBLIC SCHOOLS  
1110 GIST ROAD, WESTMINSTER, MD 21157**

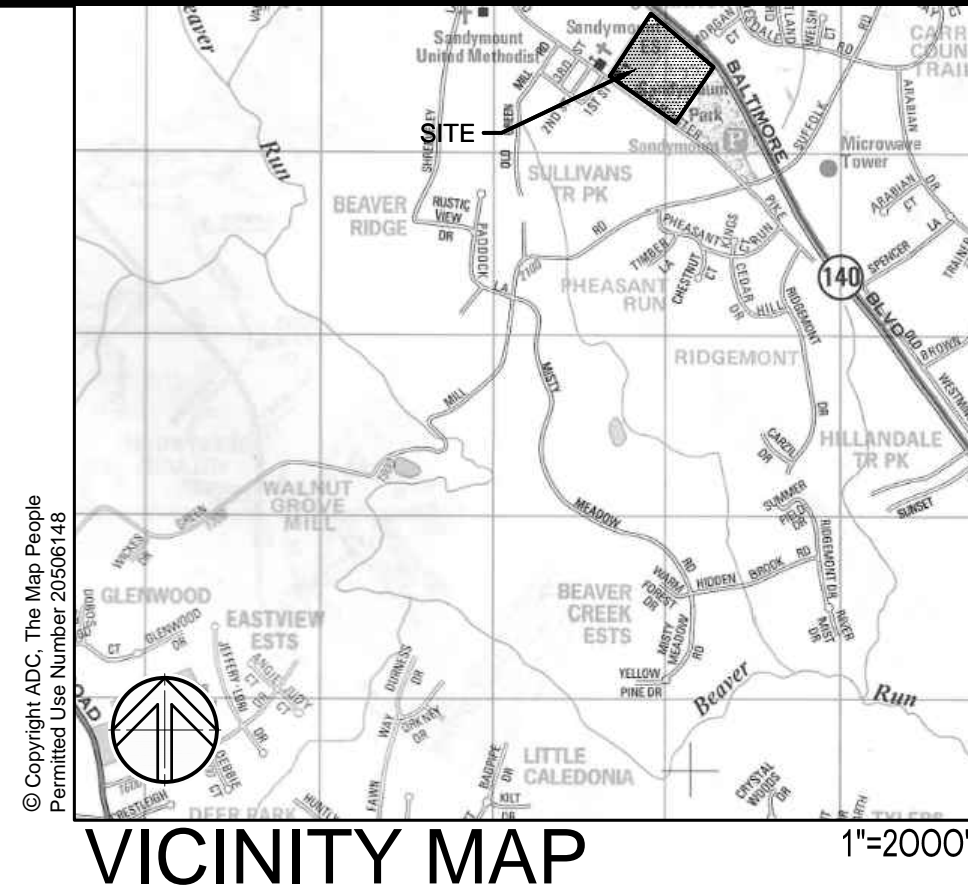
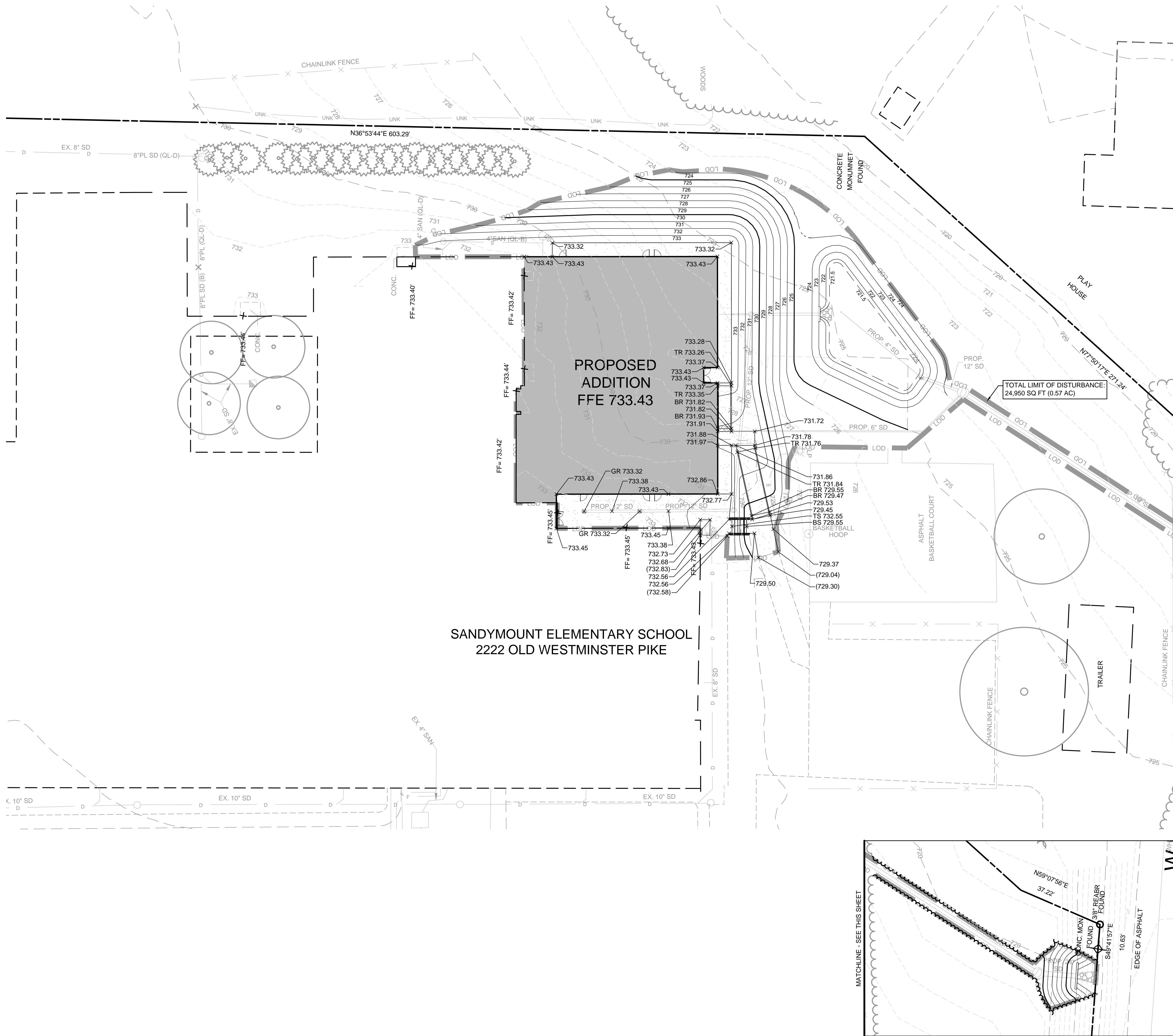
PROJECT NO. 631390
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REVISIONS
DATE DESCRIPTION
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LAYOUT & UTILITY  
PLAN

**C111**

SHEET 5 OF 15

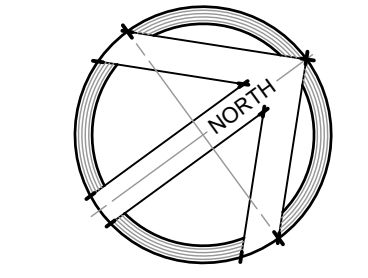
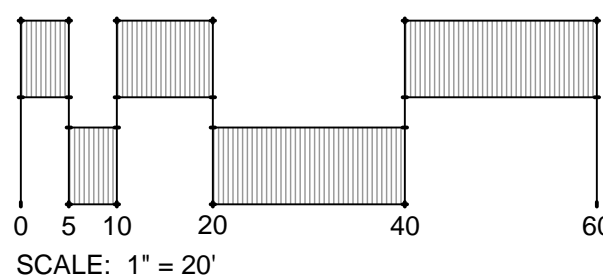




### LEGEND

	PROPERTY LINE
	EXISTING BUILDING
	EXISTING WALK
	EXISTING ROAD
	EXISTING CURB
	EXISTING FENCE
	EXISTING TREES
	EXISTING STORM DRAIN
	EXISTING WATER
	EXISTING SANITARY SEWER
	EXISTING GAS
	EXISTING FUEL OIL
	EXISTING TELEPHONE
	EXISTING ELECTRIC
	EXISTING OVERHEAD ELECTRIC
	EXISTING LIGHTING
	EXISTING CONTOURS
	PROPOSED BUILDING
	PROPOSED BUILDING OVERHANG
	PROPOSED SIDEWALK
	PROPOSED RETAINING WALL
	PROPOSED STORM DRAIN
	PROPOSED CONTOURS

MATCHLINE - SEE THIS SHEET



COUNTY FILE NUMBER:  
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**PSC #06.005**



**SANDYMOUNT ELEMENTARY SCHOOL PRE-K & KINDERGARTEN ADDITIONS**

**CARROLL COUNTY PUBLIC SCHOOLS**  
1110 GIST ROAD, WESTMINSTER, MD 21157

PROJECT NO. 631390
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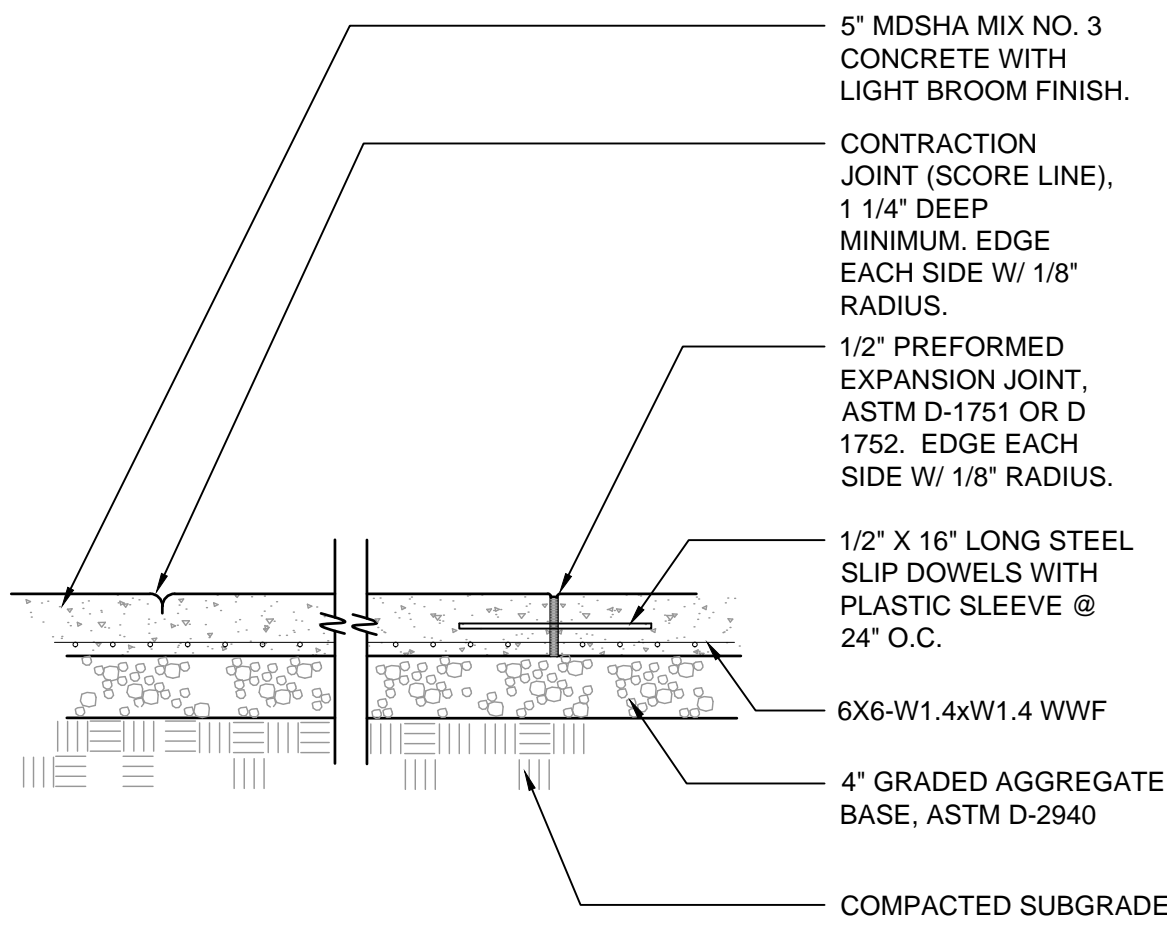
GRADING PLAN

**C131**

SHEET 6 OF 15



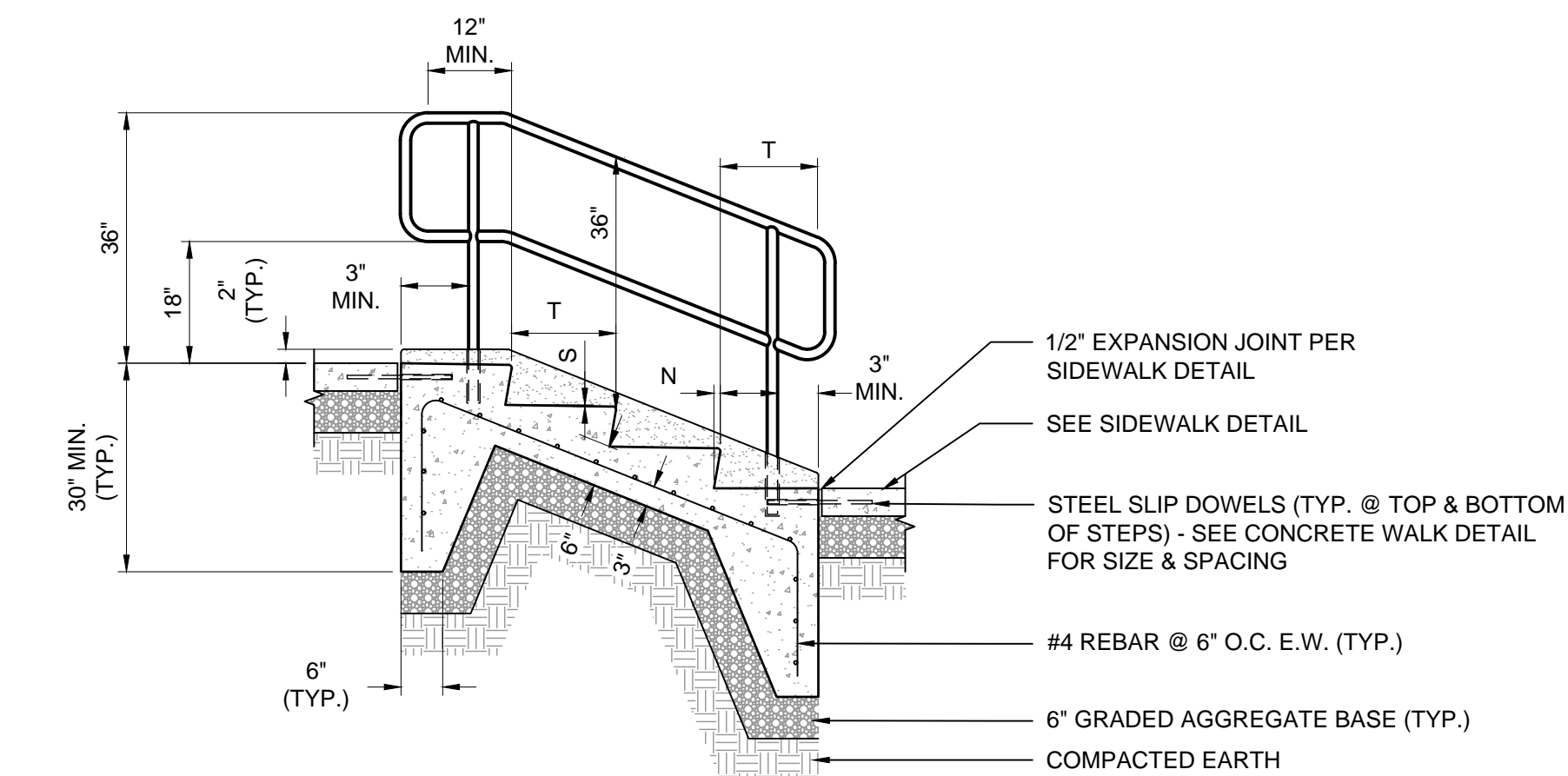
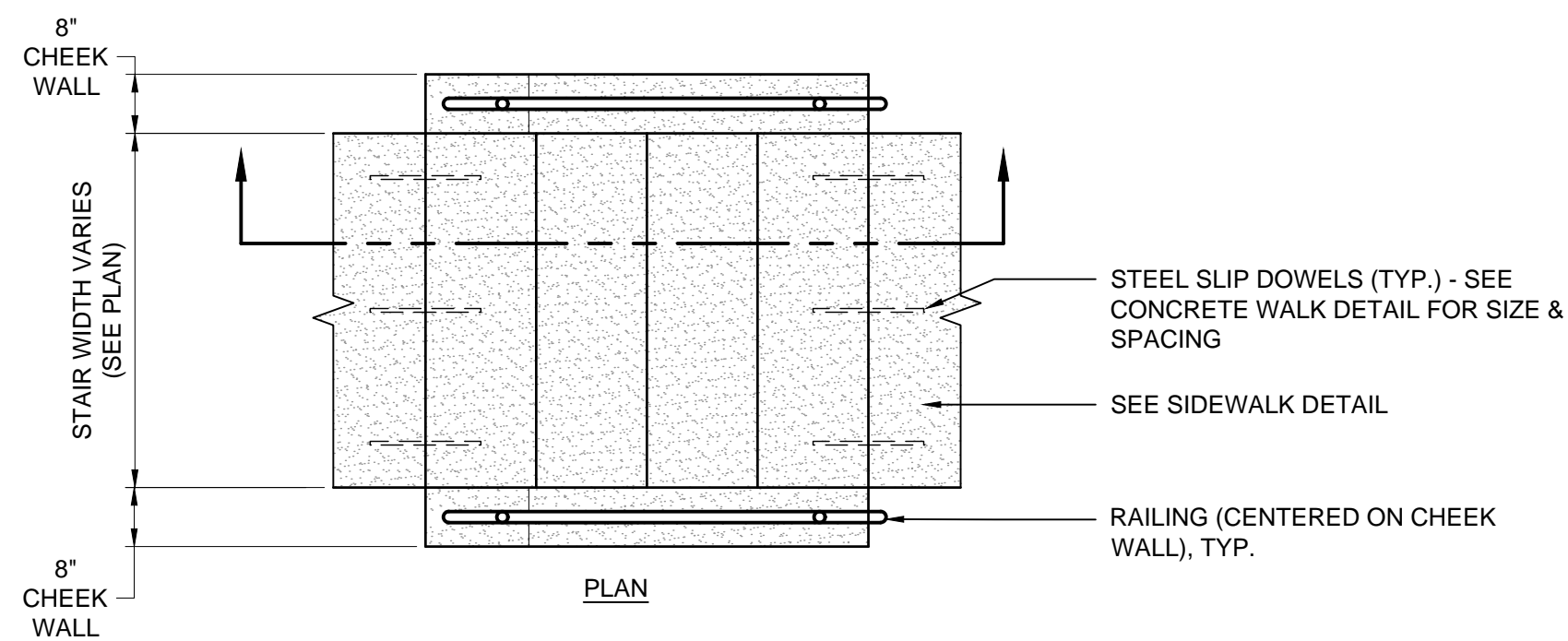
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- NOTES:
1. PLACE EXPANSION JOINTS NOT MORE THAN 20'-25' APART AND AT THE END OF EACH CONTIGUOUS POUR.
  2. PLACE CONTRACTION JOINTS AT INTERVAL MATCHING WIDTH OF SIDEWALK BUT NOT MORE THAN 6' APART.
  3. PROVIDE EXPANSION JOINTS WHERE POUR MEETS EXISTING CONCRETE PAVING OR CURB.
  4. EXPANSION JOINTS TO BE RECESSED 1/4" BELOW SURFACE OF SIDEWALK.
  5. WHEN SIDEWALK ABUTS BACK OF STREET CURB, WALK SHALL BE 1/4" ABOVE TOP OF CURB.
  6. WHEN SIDEWALK ABUTS EXISTING CONCRETE WALK, CORE DRILL AND INSTALL DOWELS PER DETAIL.
  7. MATCH SCORE PATTERN OF ADJACENT SIDEWALK WHERE PRACTICAL.
  8. REFER TO MATERIALS PLAN FOR INTENDED SIDEWALK SCORING LAYOUT.

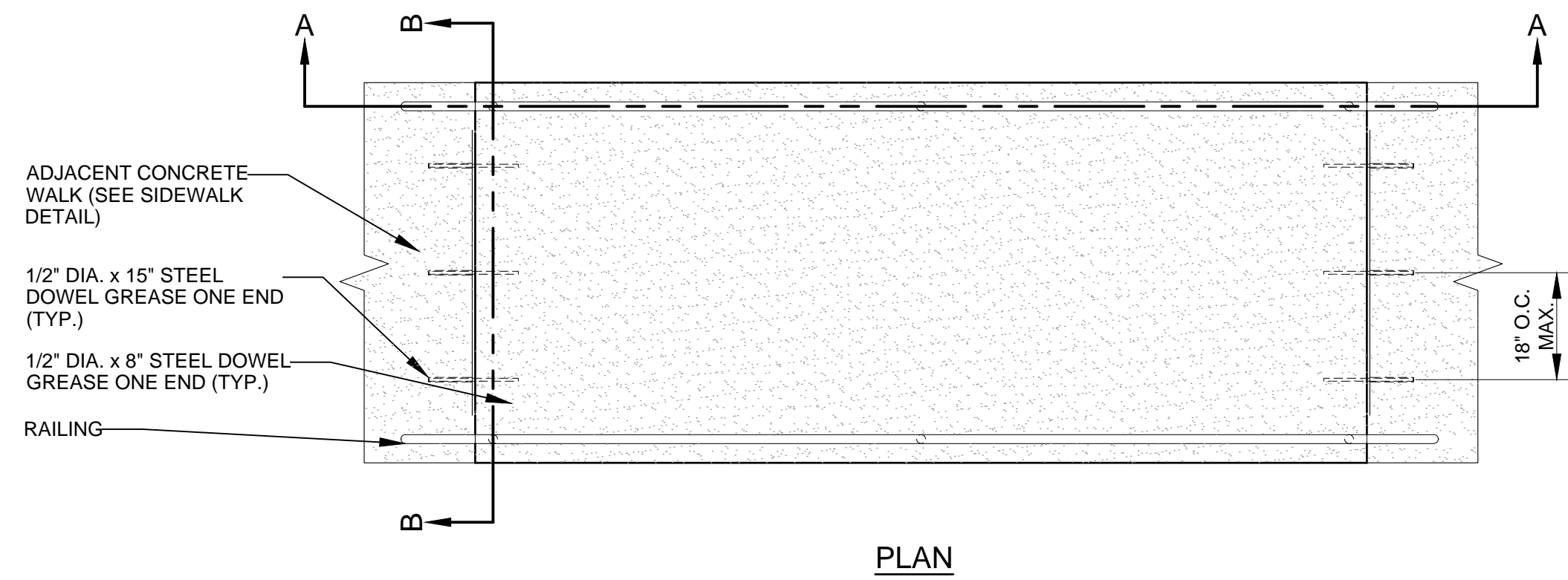
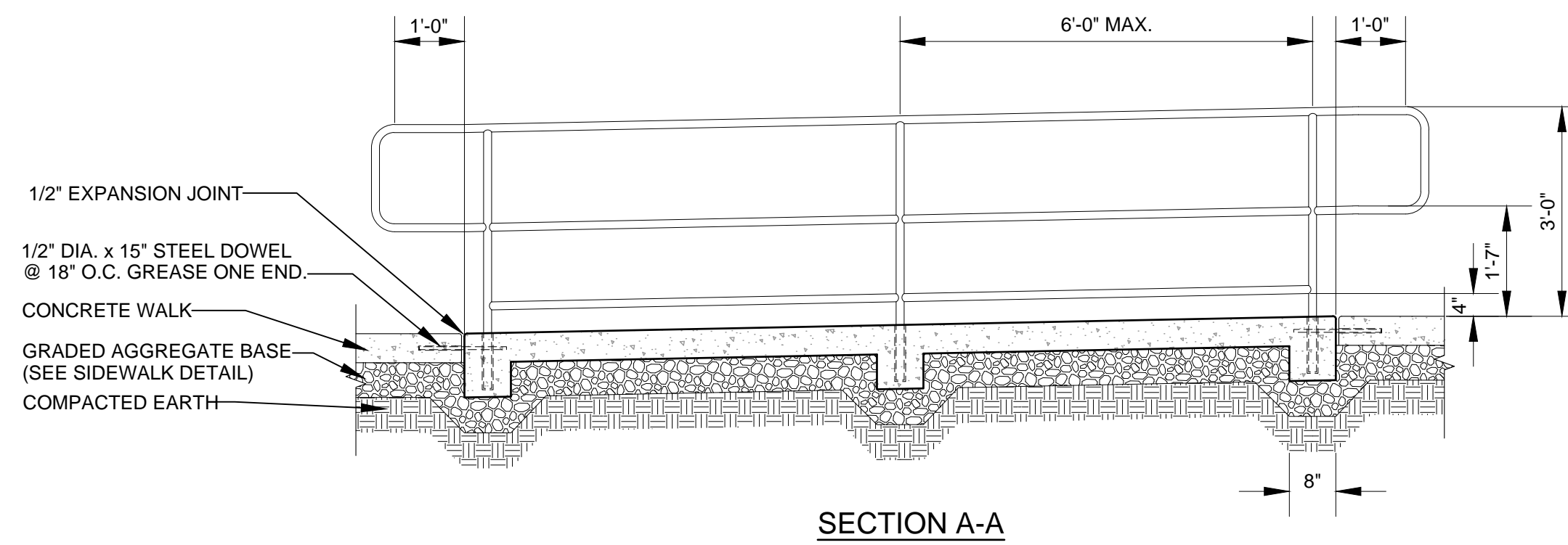
## 1 CONCRETE SIDEWALK

NOT TO SCALE



## 3 CONCRETE STAIRS

NOT TO SCALE



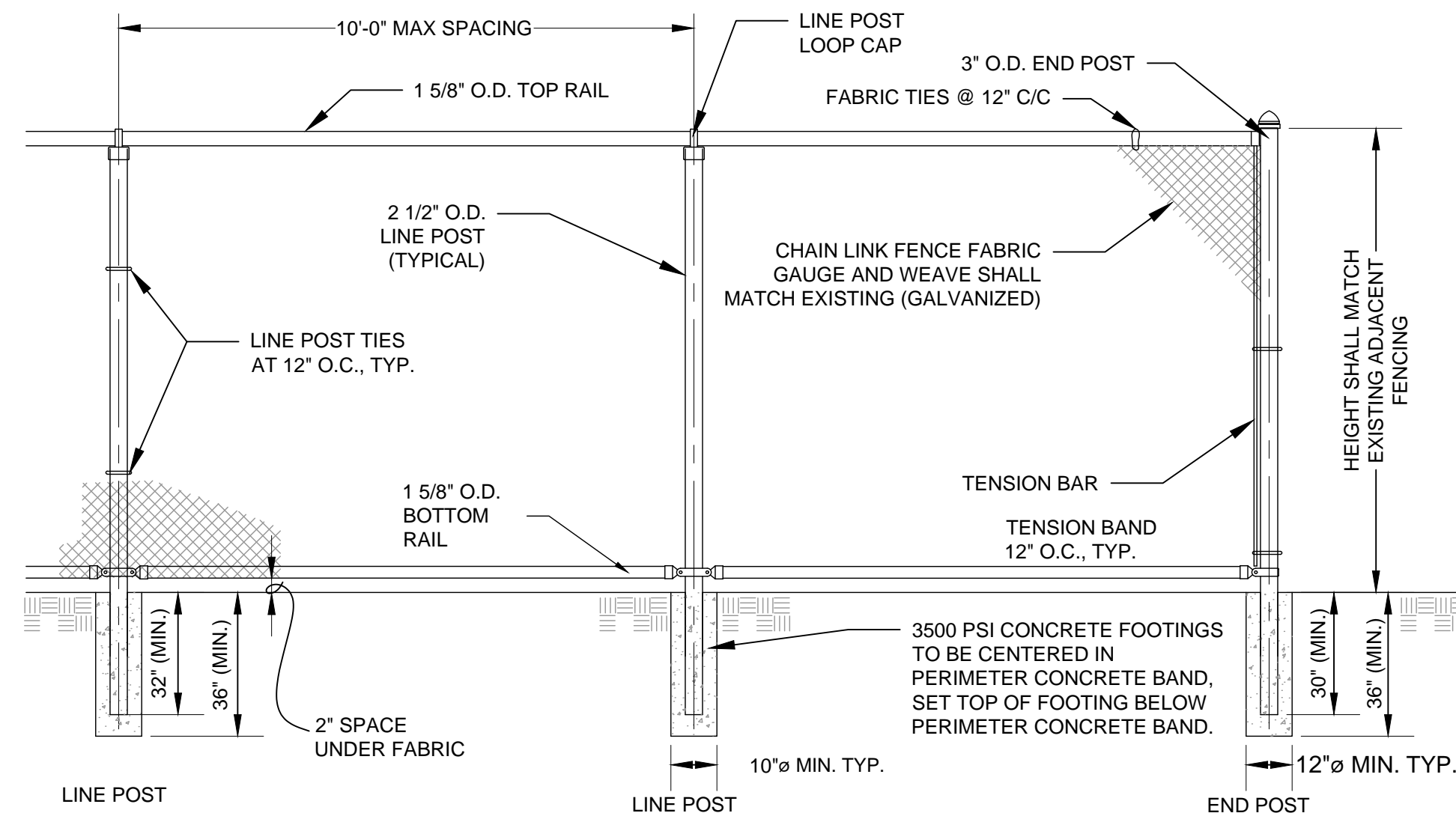
## 2 CONCRETE RAMP & RAILING

NOT TO SCALE

RISER (R)	TREAD (T)	SLOPE (S)	OVERHANG (N)
6	15	1/4	1

ALL DIMENSIONS IN INCHES

- NOTES:
1. RAILINGS & POST TO BE SHOP FABRICATED OF 1-1/2" O.D. STEEL TUBING WITH ALL JOINTS CONTINUOUSLY WELDED AND GROUND SMOOTH. ASSEMBLY SHALL BE ELECTROCHEMICALLY GALVANIZED AFTER FABRICATION.
  2. TOP OF RAILING TO BE 36" ABOVE WALKING SURFACE AND STAIR NOSE.
  3. STRAIGHT PORTION OF RAILING TO EXTEND A MINIMUM OF 12" HORIZONTALLY BEYOND NOSE OF TOP RISER AND A TREAD WIDTH BEYOND BOTTOM RISER BEFORE TURNING DOWN.
  4. ALL CONCRETE TO BE MDSA MIX NO. 3.
  5. ALL CHEEK WALL & STAIR NOSE RADII SHALL BE 1/2".
  6. CHEEK WALL SHALL BE 2" ABOVE STAIR NOSE & WALKING SURFACE.
  7. ALL RAILING EXTERIOR RADII SHALL BE 4".
  8. RAILING POSTS SHALL BE INSTALLED AT A DEPTH OF 8" INTO CONCRETE. WHERE INTERMEDIATE POSTS ARE NECESSARY, INSTALL IN CENTER OF STAIR TREAD. CONCRETE SHALL BE CORE DRILLED AND POST SET WITH NON-SHRINK GROUT. GROUT TO BE FLUSH WITH ADJACENT CONCRETE.
  9. STAIR TREADS TO RECEIVE LIGHT BROOM FINISH. (SEE SPECS)
  10. UNLESS OTHERWISE SHOWN ON PLAN, ALL REBAR SHALL HAVE A CLEARANCE OF 3" FROM SURFACE.



- NOTES
1. MATERIALS TO MEET REQUIREMENTS OF AASHTO M 181.
  2. FENCING AT GRADE CHANGES TO BE IN ACCORDANCE WITH MSHA STANDARD MD-690.02.
  3. ALL LINE POST, TERMINAL POST, RAILS, CAPS AND HARDWARE TO BE SCHEDULE 40.

## 4 CHAINLINK FENCE

NOT TO SCALE

COUNTY FILE NUMBER:  
S-23-0032

SITE DETAILS

C201  
SHEET 7 OF 15

SANDYMOUNT ELEMENTARY SCHOOL PRE-K & KINDERGARTEN ADDITIONS

CARROLL COUNTY PUBLIC SCHOOLS  
1110 GIST ROAD, WESTMINSTER, MD 21157

PROJECT NO.: 631390  
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CD PROGRESS SET

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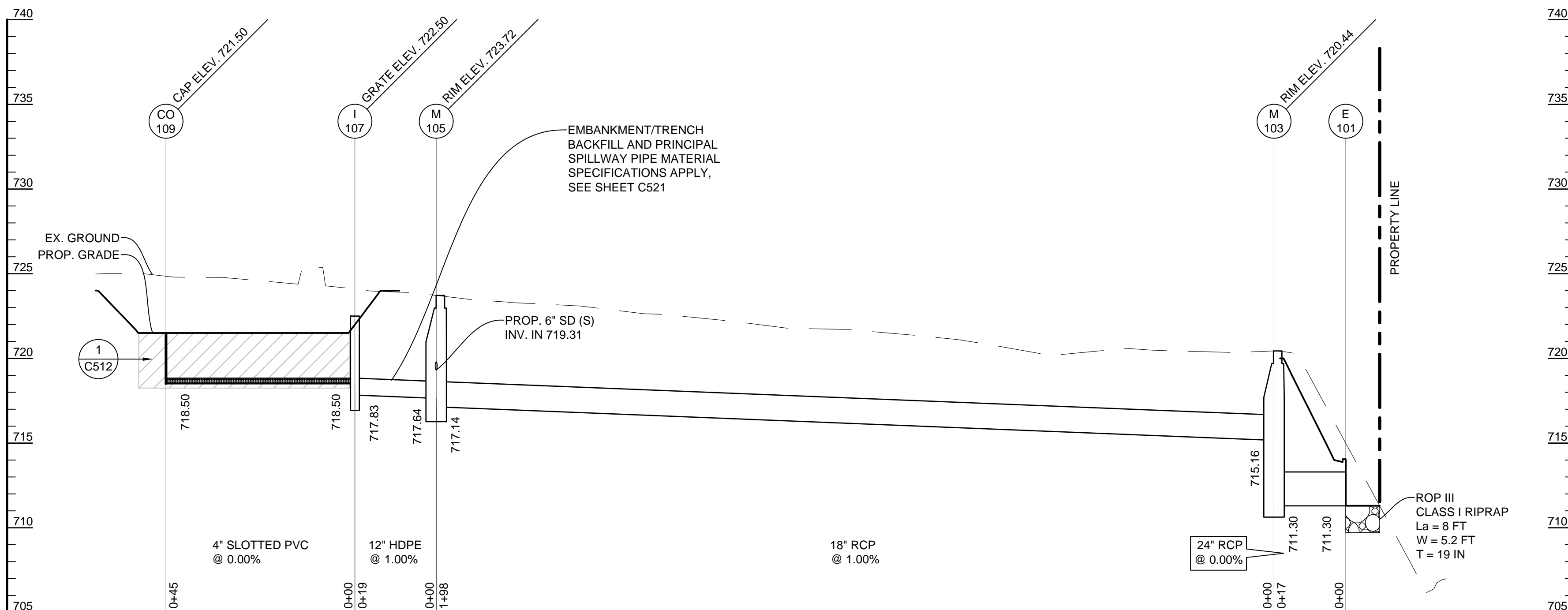
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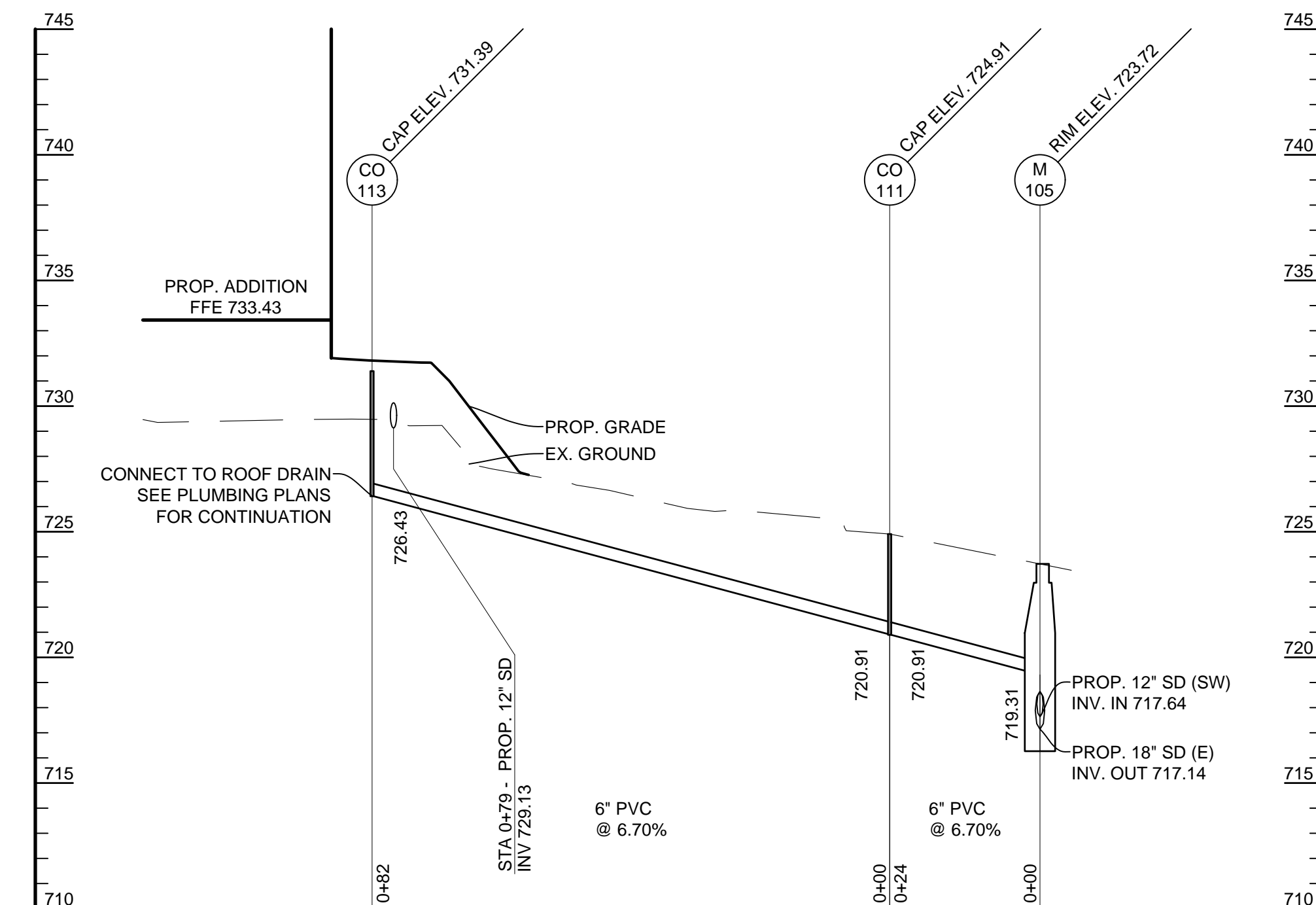
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1 SD: MB#1 TO E-101

SCALES: HORIZ. 1" = 20'  
VERT. 1" = 5'

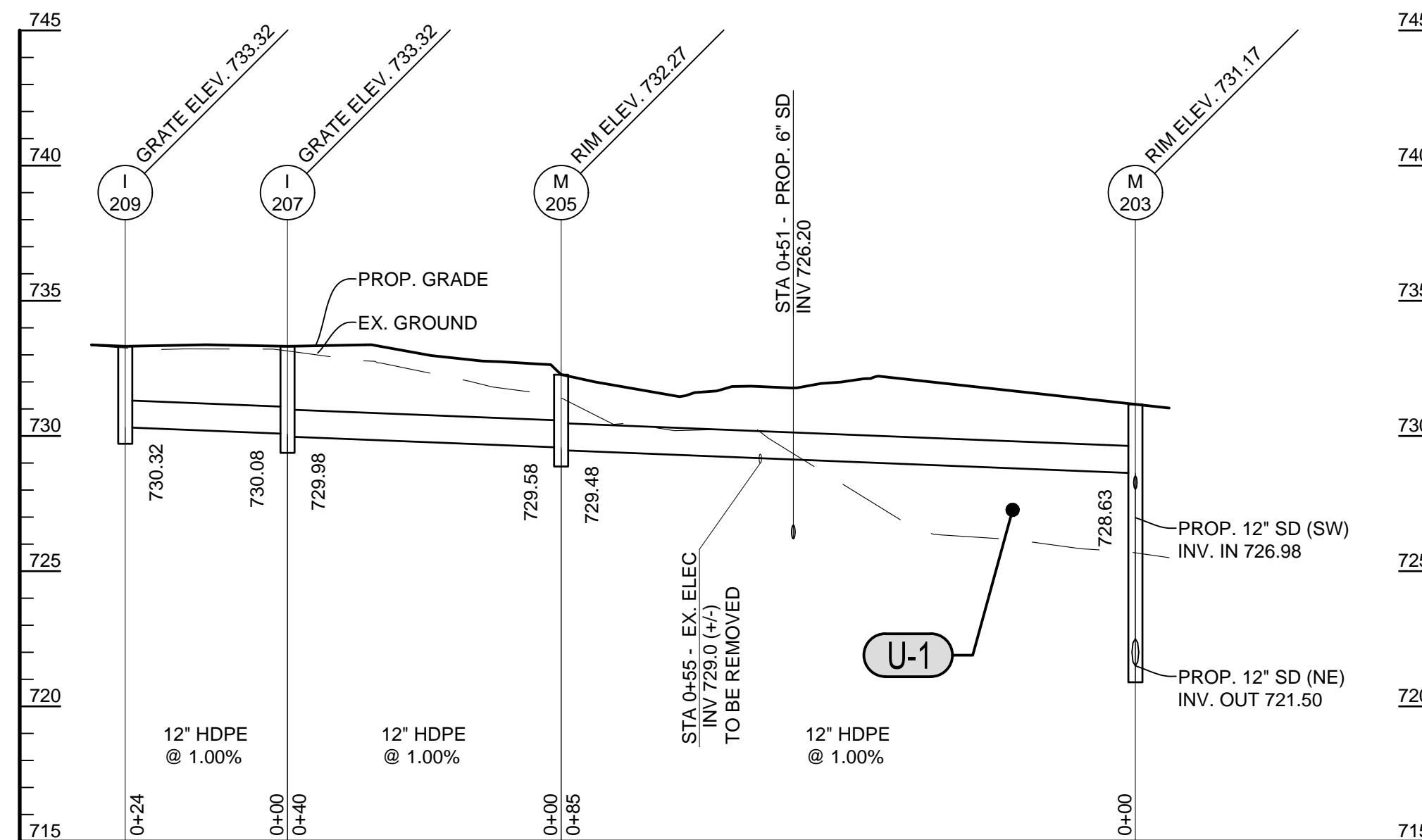


2 SD: BLDG TO M-105

SCALES: HORIZ. 1" = 20'  
VERT. 1" = 5'

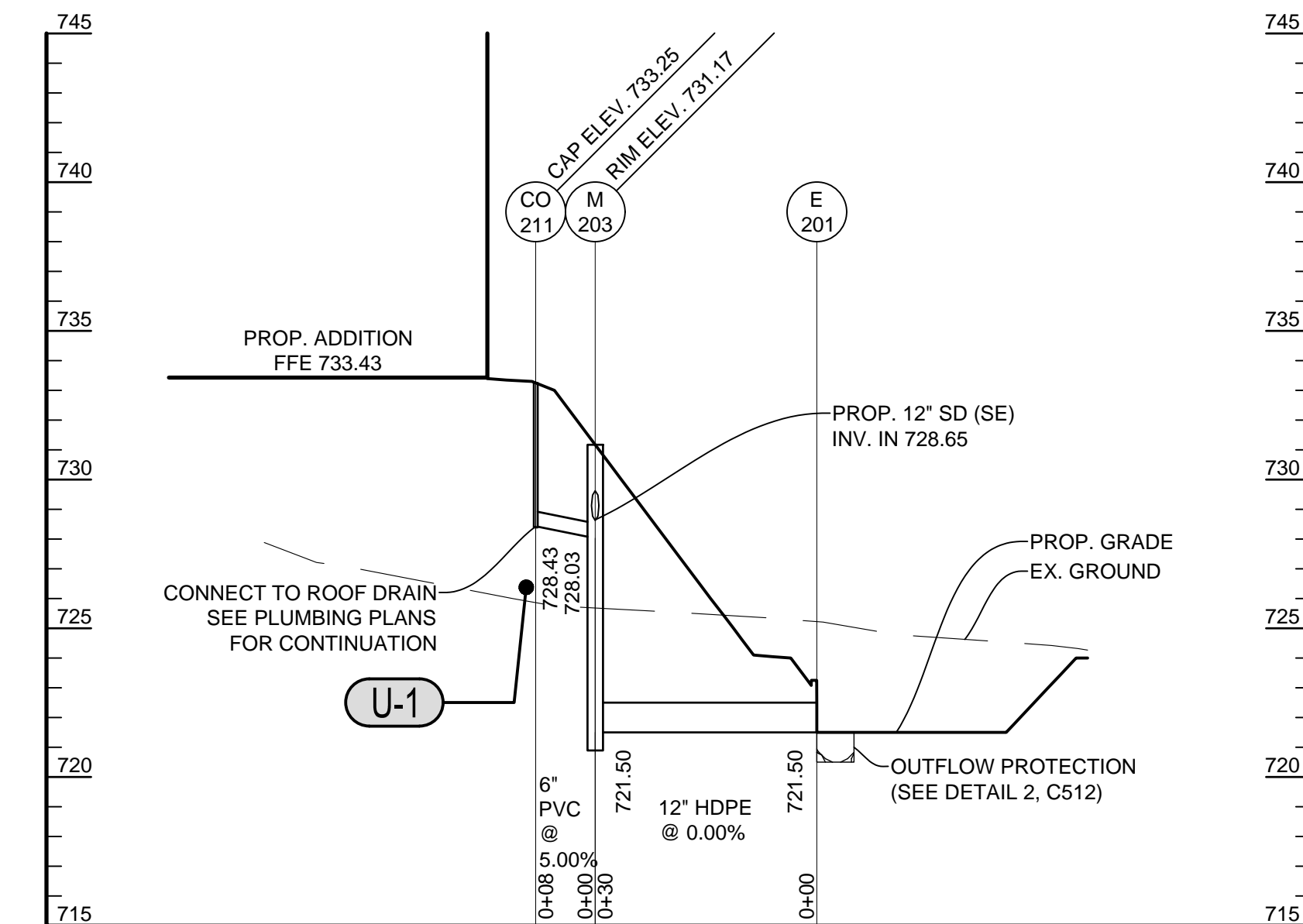
### STRUCTURE TABLE

STRUCTURE #	STRUCTURE TYPE	TOP ELEV.	INV. IN	INV. OUT	COORDINATES
E-101	STANDARD TYPE 'C' ENDWALL CACO PLATE 79	710.73	24" RCP (SW) 711.30		N: 676,039.53 E: 1,335,547.37
M-103	48" PRECAST MANHOLE CACO PLATE 94	RIM 720.44	18" RCP (W) 715.16	24" RCP (NE) 711.30	N: 676,026.50 E: 1,335,536.53
M-105	48" PRECAST MANHOLE CACO PLATE 94	RIM 723.72	12" HDPE (SW) 717.64 6" PVC (S) 719.31	18" RCP (E) 717.14	N: 675,954.21 E: 1,335,352.34
I-107	24" NYLOPLAST DRAIN BASIN w/ DOME GRATE	GRATE 722.50	4" PVC (W) 718.50	12" HDPE (NE) 717.83	N: 675,943.36 E: 1,335,336.51
E-201	STANDARD TYPE 'C' ENDWALL CACO PLATE 79	722.69	12" HDPE (SW) 721.50		N: 675,923.79 E: 1,335,288.96
M-203	24" NYLOPLAST DRAIN BASIN w/ SOLID COVER	RIM 731.17	6" PVC (SW) 728.03 12" HDPE (SE) 728.63	12" HDPE (NE) 721.50	N: 675,899.57 E: 1,335,271.61
M-205	24" NYLOPLAST DRAIN BASIN w/ SOLID COVER	RIM 732.27	12" HDPE (SW) 729.58	12" HDPE (NW) 729.48	N: 675,844.07 E: 1,335,335.90
I-207	24" NYLOPLAST DRAIN BASIN w/ PEDESTRIAN GRATE	GRATE 733.32	12" HDPE (SW) 730.08	12" HDPE (NE) 729.98	N: 675,810.96 E: 1,335,312.62
I-209	24" NYLOPLAST DRAIN BASIN w/ PEDESTRIAN GRATE	GRATE 733.32		12" HDPE (NE) 730.32	N: 675,791.43 E: 1,335,298.67



3 SD: I-109 TO E-101

SCALES: HORIZ. 1" = 20'  
VERT. 1" = 5'



4 SD: BLDG TO E-301

SCALES: HORIZ. 1" = 20'  
VERT. 1" = 5'

### UTILITY NOTES:

- U-1 PROVIDE ENGINEERED FILL COMPACTED TO 95% COMPACTION PER SPECIFICATIONS. COMPACTION SHALL BE FIELD VERIFIED BY GEOTECHNICAL ENGINEER.

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**SANDYMOUNT ELEMENTARY SCHOOL PRE-K & KINDERGARTEN ADDITIONS**

**CARROLL COUNTY PUBLIC SCHOOLS**  
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PROJECT NO. 631390	DATE:	REVISIONS
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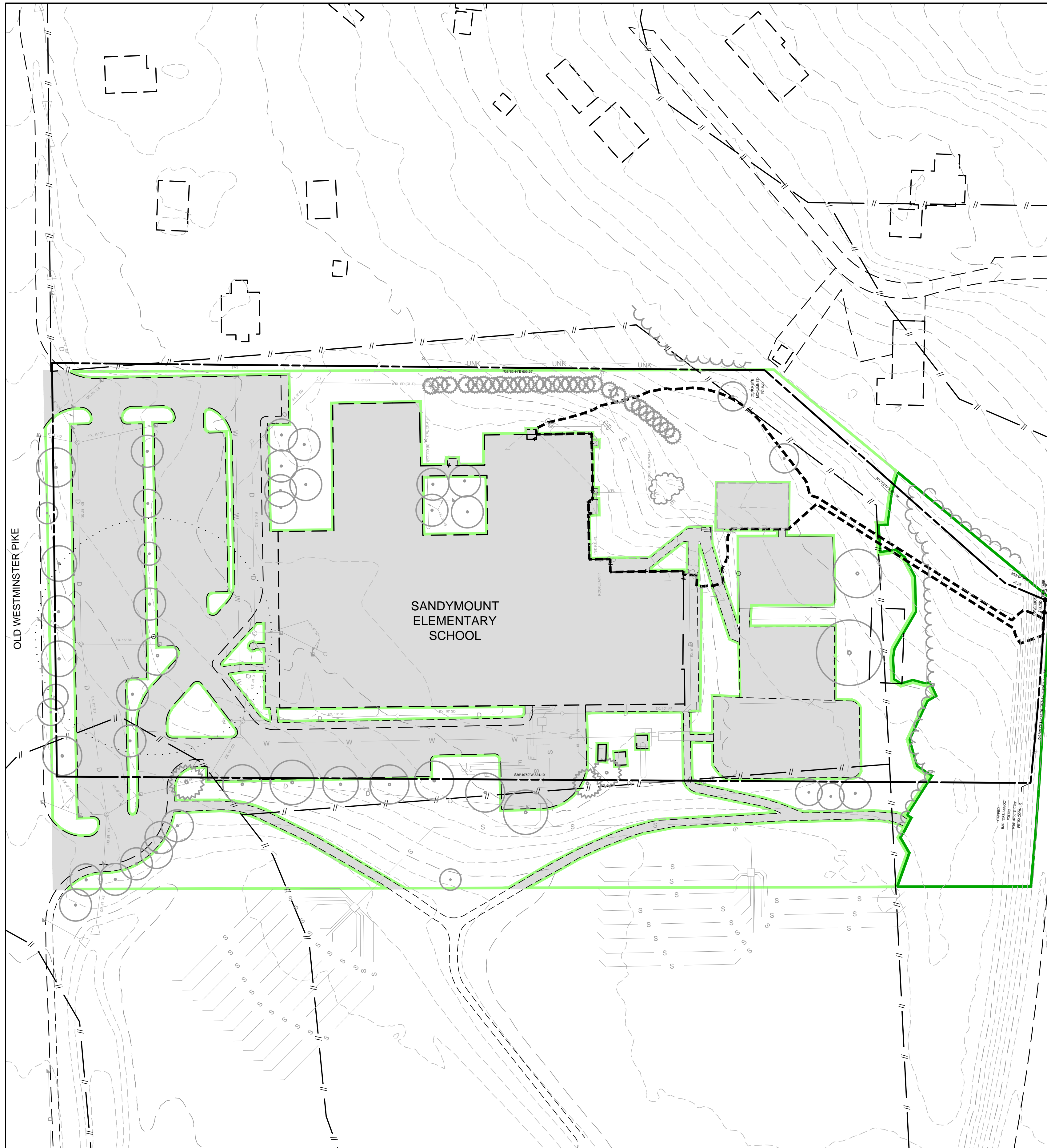
UTILITY PROFILES

**C301**

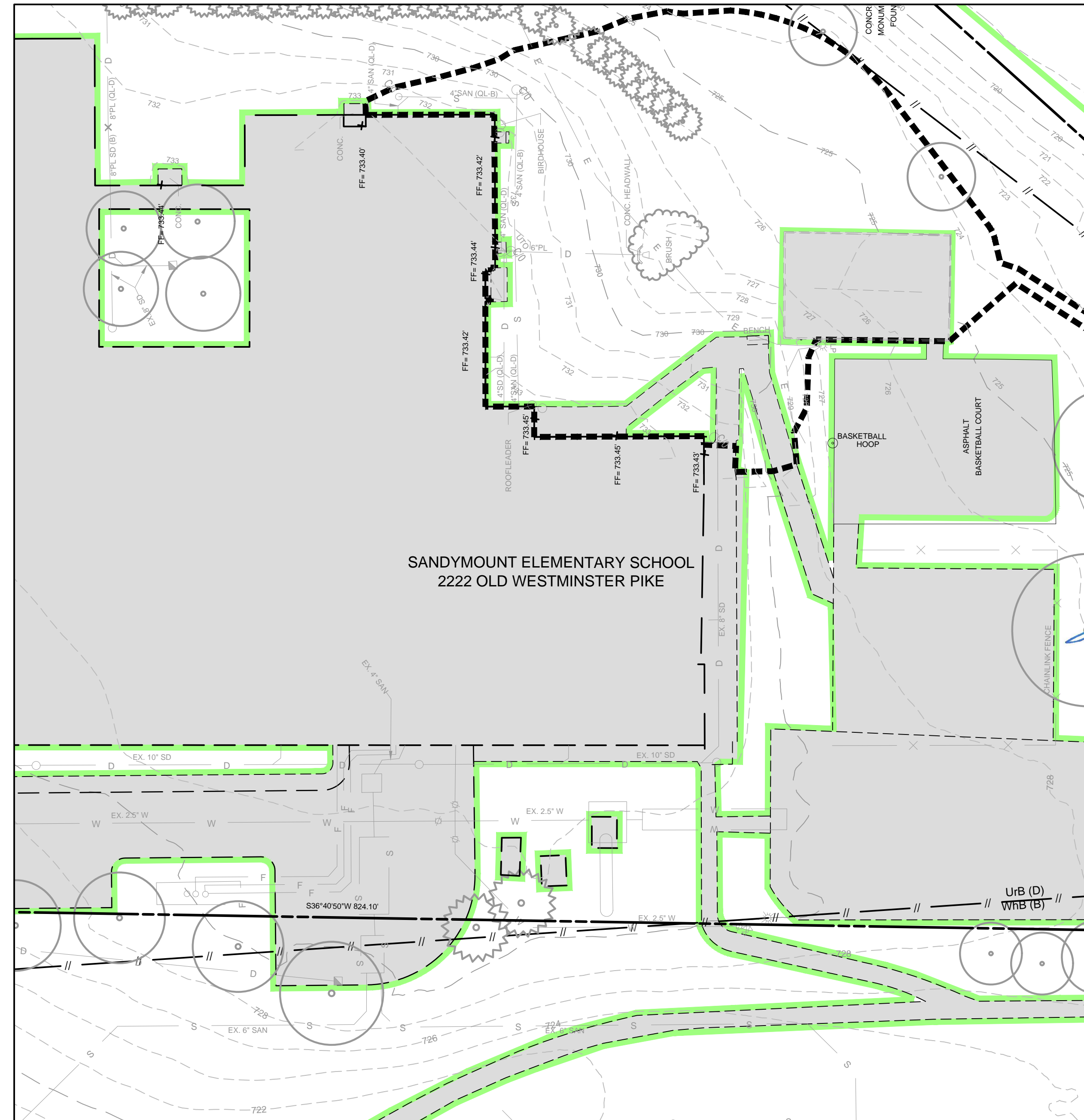
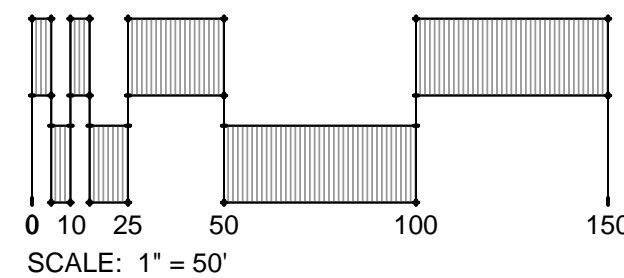
SHEET 8 OF 15

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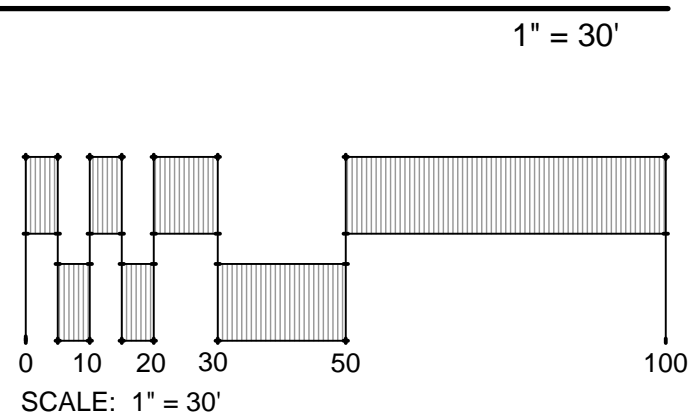




1 TOTAL PARCEL CONTEXT

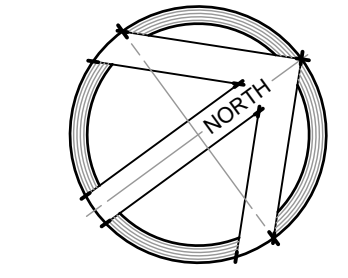


2 EXISTING CONDITIONS ENLARGEMENT



LEGEND

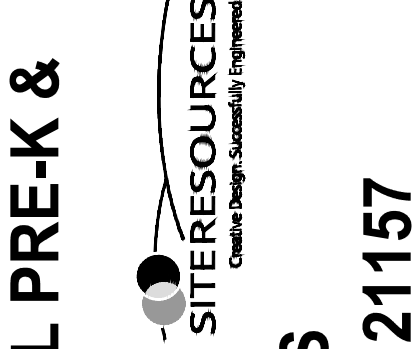
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	EXISTING BUILDING		EXISTING TELEPHONE
	EXISTING WALK		EXISTING ELECTRIC
	EXISTING ROAD		EXISTING OVERHEAD ELECTRIC
	EXISTING CURB		EXISTING LIGHTING
	EXISTING FENCE		EXISTING CONTOURS
	EXISTING TREES		EXISTING SOIL GROUP DELINEATION
	EXISTING STORM DRAIN		ESD TRACT AREA
	EXISTING WATER		IMPERVIOUS AREA
	EXISTING SANITARY SEWER		MEADOW
	EXISTING GAS		WOODS
	EXISTING FUEL OIL		



COUNTY FILE NUMBER:  
S-23-0032



PSC #06.005



SANDYMOUNT ELEMENTARY SCHOOL PRE-K &  
KINDERGARTEN ADDITIONS

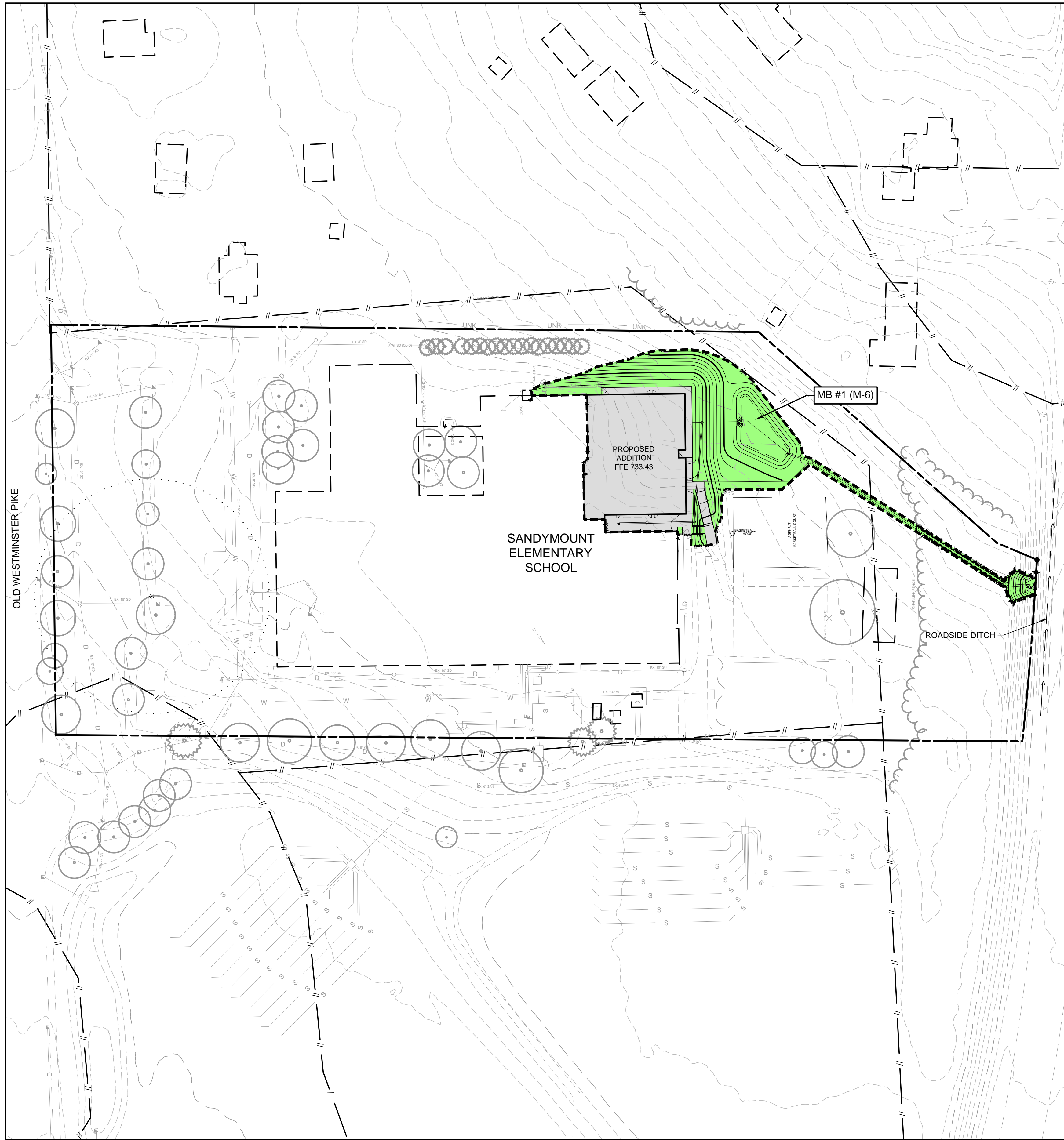
CARROLL COUNTY PUBLIC SCHOOLS  
1110 GIST ROAD, WESTMINSTER, MD 21157

PROJECT NO. 631390	DATE:
REVISIONS	
DATE	DESCRIPTION
9/18/24	CD PROGRESS SET

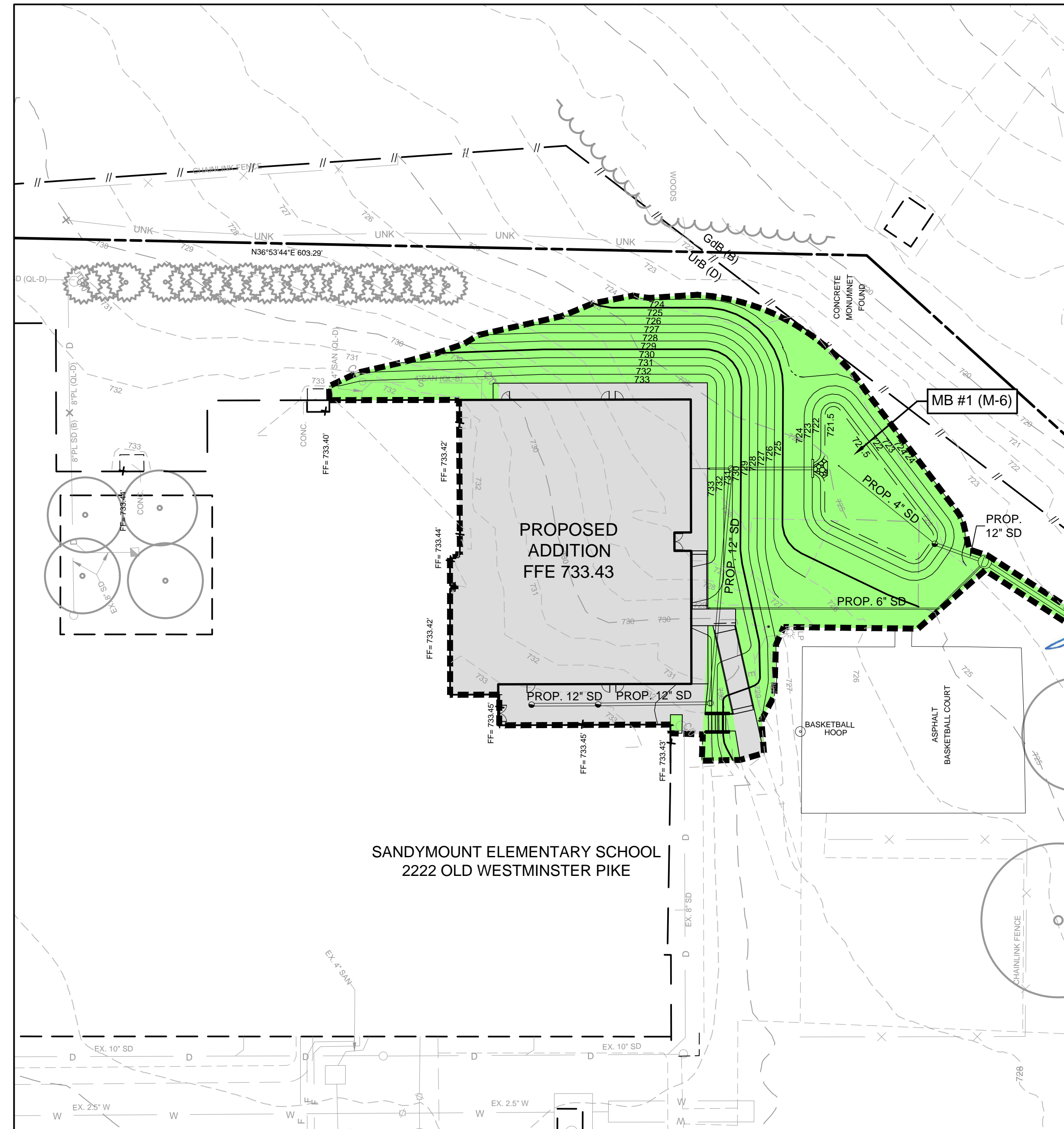
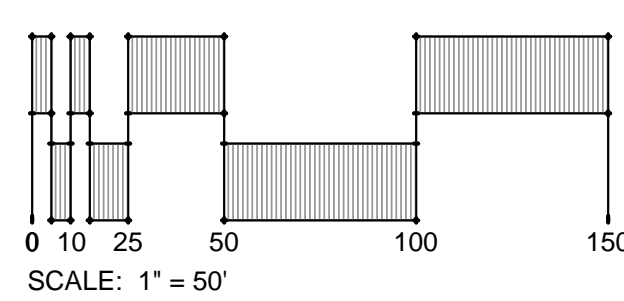
EXISTING  
CONDITION &  
RESOURCE  
MAPPING SWM PLAN

C501

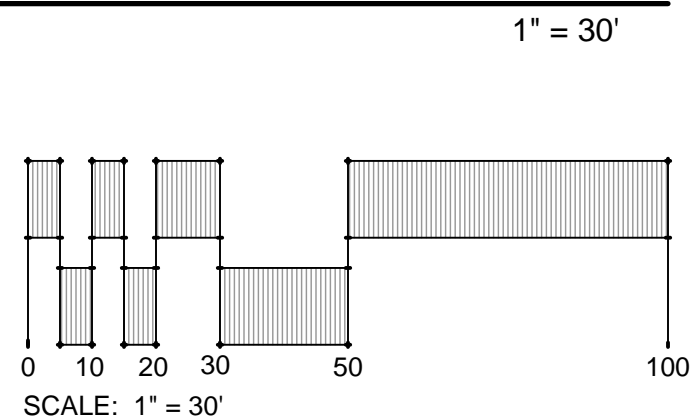




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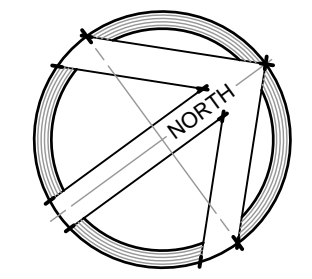


2 PROPOSED CONDITIONS ENLARGEMENT



LEGEND

	PROPERTY LINE		EXISTING FUEL OIL
	EXISTING BUILDING		EXISTING TELEPHONE
	EXISTING WALK		EXISTING ELECTRIC
	EXISTING ROAD		EXISTING OVERHEAD ELECTRIC
	EXISTING CURB		EXISTING LIGHTING
	EXISTING FENCE		EXISTING CONTOURS
	EXISTING TREES		EXISTING SOIL GROUP DELINEATION
	EXISTING STORM DRAIN		ESD TRACT AREA
	EXISTING WATER		IMPERVIOUS AREA
	EXISTING SANITARY SEWER		GRASS
	PROPOSED STORM DRAIN		PROPOSED CONTOURS



COUNTY FILE NUMBER:  
S-23-0032

SANDYMOUNT ELEMENTARY SCHOOL PRE-K &  
KINDERGARTEN ADDITIONS

CARROLL COUNTY PUBLIC SCHOOLS  
1110 GIST ROAD, WESTMINSTER, MD 21157

PROJECT NO. 631390	REVISIONS
DATE:	DESCRIPTION
9/18/24	CD PROGRESS SET

PROPOSED  
CONDITIONS SWM  
PLAN

C511  
SHEET 10 OF 15

MOSELEYARCHITECTS

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



PSC #06.005





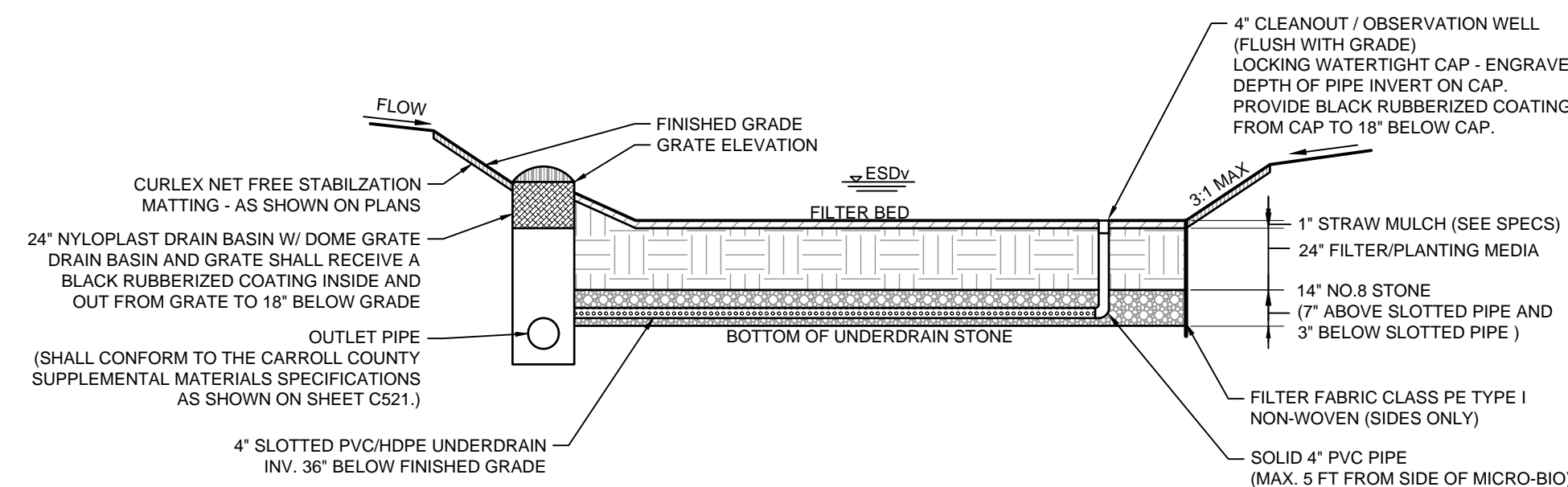
© SITE RESOURCES, INC. Z:\2323044-CCPS-SANDYMOUNT ES04-DWG\C512 SWM ESD DA MAP.DWG 10/14/2024 1:08 PM amh

INSPECTION CHART FOR MICRO-BIORETENTION (MB#1)		
STAGE	ENGINEERS APPROVAL	
	INITIALS	DATE
SEDIMENT CONTROL PHASE		
1. INSTALL STABILIZED CONSTRUCTION ENTRANCE AND ALL PERIMETER CONTROLS PER CARROLL COUNTY STANDARD EROSION AND SEDIMENT CONTROL PLAN. ALL CONSTRUCTION SHALL FOLLOW THE SEQUENCE GIVEN IN THE STANDARD PLAN.		
2. CONSTRUCT STORM DRAIN SYSTEM FROM M-105 TO E-101 INCLUDING GRADING REQUIRED FOR HEADWALL E-101 AND RIP-RAP.		
3. EXCAVATE AND CONSTRUCT RISER (I-107) AND 12" OUTFALL PIPE AS DIRECTED BY THE GEOTECHNICAL ENGINEER. PROVIDE STANDARD INLET PROTECTION TYPE B ON PROPOSED RISER.		
4. CONSTRUCT EMBANKMENT AS DIRECTED BY GEOTECHNICAL ENGINEER. EXCAVATE BOTTOM OF FACILITY TO EL. 721.5 AND CONSTRUCT 3:1 SLOPES OF PROPOSED FACILITY.		
5. CONSTRUCT REMAINING STORM DRAIN SYSTEM INCLUDING DOWNSPOUT CONNECTION, REROUTING OF EXISTING ROOF DRAINAGE, AND HEADWALL E-201.		
6. ENTIRE CONTRIBUTING DRAINAGE AREA TO THE FACILITY IS PAVED/STABILIZED, BUILDING ADDITION IS CONSTRUCTED, AND MINIMUM 2" STAND OF DENSE GRASS IS ESTABLISHED ON ALL DISTURBED AREAS, INCLUDING FACILITY SLOPES AND TOP.		
STORMWATER MANAGEMENT PHASE		
1. REMOVE ACCUMULATED SEDIMENTS AND STADING WATER FROM THE ENTIRE STORMDRAIN SYSTEM INCLUDING SUMP INLETS AND MANHOLES AND THEN EXCAVATE TO THE BOTTOM OF RECHARGE RESERVOIR EL. 718.25.		
2. INSTALL NO. 8 STONE AND 4" SLOTTED PIPE UNDER SUPERVISION OF GEOTECHNICAL ENGINEER.		
3. ADD ENGINEER APPROVED PLANTING/FILTER MEDIA. PLANT FACILITY BOTTOM WITH FILTER BED MIX (WET MEADOW MIX) AND PLACE SOD ON BANKS PER LANDSCAPE PLAN.		
4. STABILIZE ANY DISTURBED AREAS AND REMOVE PERIMETER SEDIMENT CONTROLS AND ANY REMNANTS OF CONSTRUCTION INCLUDING STAKES.		
5. A MINIMUM OF 2" STAND OF DENSE GRASS IS ESTABLISHED ON BANKS OF FACILITY AND FILTER BED MIX ON THE BOTTOM.		
6. SUBMIT AS-BUILT MYLARS TO CARROLL COUNTY BUREAU OF RESOURCE MANAGEMENT WITHIN 30 DAYS OF COMPLETION.		

\* PLEASE NOTIFY CERTIFYING ENGINEER 48 HOURS PRIOR TO COMMENCING CONSTRUCTION \*

ENGINEER'S NAME: SITE RESOURCES, INC.

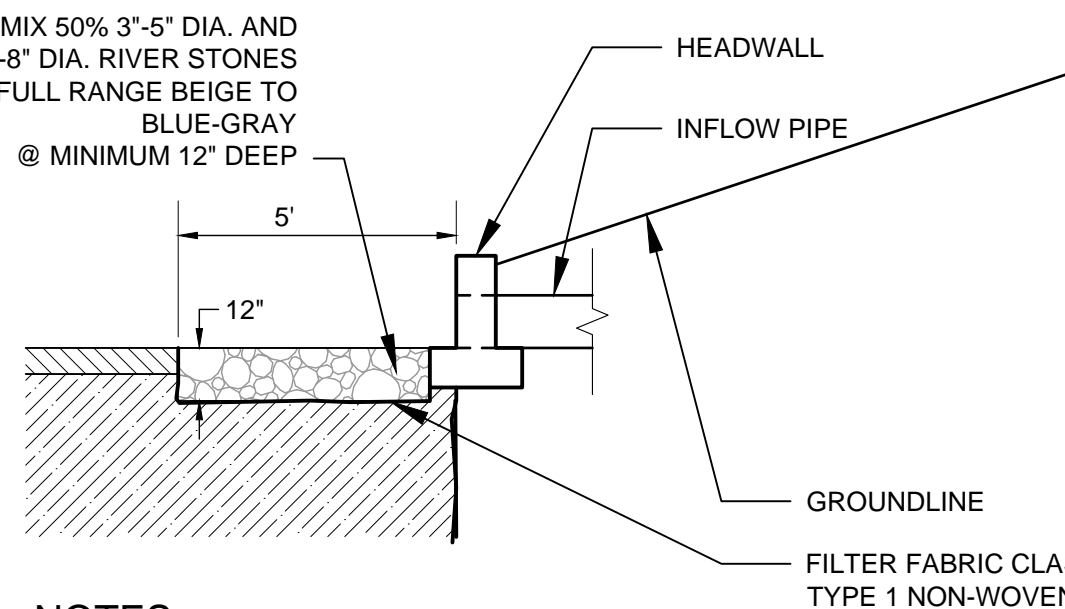
PHONE NUMBER: 410-683-3388



- NOTES:
- 3:1 MAX SLOPE ON ALL SIDES. SEE GRADING PLAN AND STORM DRAIN PROFILES FOR GRADING OF MICRO-BIORETENTION.
  - SOILS USED FOR EMBANKMENTS AND TRENCH BACKFILL SHALL CONFORM TO THE CARROLL COUNTY SUPPLEMENTAL MATERIALS SPECIFICATIONS SHOWN ON SHEET C521.

## 1 TYPICAL SECTION: MICRO-BIORETENTION

NOT TO SCALE



### NOTES

- INSTALL FILTER FABRIC FROM SIDES OF MICRO-BIORETENTION THROUGH STONE SO FABRIC IS CONTIGUOUS. WHERE ENDS OF THE FABRIC COME TOGETHER, OVERLAP THE ENDS BY 6 INCHES, FOLDED AND STAPLED.
- EVENLY WET DOWN FACILITY TO SETTLE PLANTING MEDIA AND REDRESS TOP SURFACE WITH ADDITIONAL PLANTING MEDIA TO SPECIFIED SURFACE ELEVATION PRIOR TO INSTALLING MULCH AND PLANT MATERIAL.

## 2 OUTFLOW PROTECTION

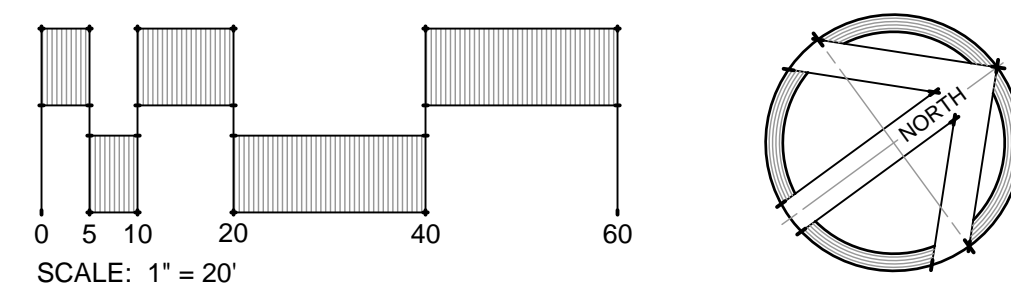
NOT TO SCALE

### DESIGN SUMMARY TABLE

ESD TRACT AREA	0.57 AC
PROPOSED IMPERVIOUS AREA WITHIN ESD TRACT AREA	0.26 AC
ESDV / PE REQUIRED	1,409 CUFT / 1.46"
ESDV / PE PROVIDED	1,480 CUFT / 1.53"

### DRAINAGE AREA DATA

DRAINAGE AREA	TOTAL AREA (AC.)	IMPERVIOUS AREA (AC.)	ESDV PROVIDED (CUFT)	TC (HOURS)
1 (MB #1)	0.39	0.24	1,480	0.1



### LEGEND

	PROPERTY LINE
	EXISTING BUILDING
	EXISTING WALK
	EXISTING ROAD
	EXISTING CURB
	EXISTING FENCE
	EXISTING TREES
	EXISTING STORM DRAIN
	EXISTING WATER
	EXISTING SANITARY SEWER
	EXISTING GAS
	EXISTING FUEL OIL
	EXISTING TELEPHONE
	EXISTING ELECTRIC
	EXISTING OVERHEAD ELECTRIC
	EXISTING LIGHTING
	EXISTING CONTOURS
	EXISTING SOIL GROUP DELINEATION

	PROPOSED BUILDING
	PROPOSED BUILDING OVERHANG
	PROPOSED SIDEWALK
	PROPOSED RETAINING WALL
	PROPOSED STORM DRAIN
	PROPOSED WATER
	PROPOSED CONTOURS
	ESD TRACT AREA
	IMPERVIOUS AREA
	DRAINAGE AREA

### SWM AS-BUILT NOTES

- IT IS THE CONTRACTOR'S RESPONSIBILITY, ON BEHALF OF THE OWNER, TO ENGAGE A LICENSED LAND SURVEYOR TO PERFORM AN AS-BUILT TOPOGRAPHIC SURVEY OF THE CONSTRUCTED STORMWATER MANAGEMENT FACILITIES. IT IS ALSO THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE PHOTO DOCUMENTATION WITH AT LEAST TEN (10) PHOTOS PER STORMWATER MANAGEMENT FACILITY AT EACH CRUCIAL MILESTONE OF THE STORMWATER MANAGEMENT CONSTRUCTION PROCESS.
- CRUCIAL MILESTONES INCLUDE, AT A MINIMUM, REGULAR INSPECTIONS MADE AND DOCUMENTED DURING AND AT COMPLETION OF THE FOLLOWING STAGES OF CONSTRUCTION:
  - EXCAVATION TO SUBGRADE
  - INSTALLATION OF GEOTEXTILE FABRIC
  - INSTALLATION OF UNDERDRAIN SYSTEM WITH DRAINAGE STRUCTURE AND OUTFALL PIPE
  - INSTALLATION ON WETLAND SOIL, PEA GRAVEL AND GRAVEL MEDIA
  - UPON COMPLETION OF FINAL GRADING, MULCH INSTALLATION, AND ESTABLISHMENT OF PERMANENT STABILIZATION
- THE FOLLOWING INFORMATION SHALL BE INCLUDED IN THE SWM AS-BUILT DOCUMENTATION BY THE LICENSED LAND SURVEYOR:
  - COMPLY WITH INSPECTION REQUIREMENTS DURING CONSTRUCTION FOR AS-BUILT CERTIFICATION AS DESCRIBED IN THE MDE STORMWATER MANUAL AND AMENDED TO DATE.
  - NOTE CHANGES AND DEVIATIONS FROM THE ORIGINAL APPROVED SWM PLANS BY MARKING IN RED OR GREEN ON TOP OF THE ASSOCIATED APPROVED ITEM.
  - NOTE CONSTRUCTED DATA FOR GRADING CONTOURS, SPOT ELEVATIONS, HORIZONTAL AND VERTICAL DIMENSIONS, INVERTS, PLAN VIEWS, CROSS-SECTIONS, AND DETAILS.
  - IF CONSTRUCTED VALUES ARE THE SAME AS DESIGN VALUES, PLACE A CHECK MARK NEXT TO THE ASSOCIATED DATA TO INDICATE THE VALUE HAS BEEN VERIFIED.
  - COMPLETE AS-BUILT TABLES INCLUDED ON DRAWINGS AND SIGN AND SEAL CERTIFICATIONS.

PROVIDE ADDITIONAL DOCUMENTS SUCH AS PROGRESS AND FINAL PHOTOGRAPHS, INSPECTION REPORTS AND OTHER RELEVANT INFORMATION IN SUPPORT OF THE AS-BUILT DRAWINGS AND DATA TABLES.

COUNTY FILE NUMBER:  
S-23-0032

**MOSELEYARCHITECTS**

1414 KEY HIGHWAY, SECOND FLOOR, BALTIMORE, MD 21230  
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MOSELEYARCHITECTS.COM



**PSC #06.005**

**SANDYMOUNT ELEMENTARY SCHOOL PRE-K & KINDERGARTEN ADDITIONS**

**CARROLL COUNTY PUBLIC SCHOOLS**  
1110 GIST ROAD, WESTMINSTER, MD 21157

PROJECT NO: 631390	REVISIONS
DATE:	DATE DESCRIPTION
9/18/24	CD PROGRESS SET

**SWM ESD DA MAP**

**C512**

SHEET 11 OF 15



CARROLL COUNTY-PUBLIC FACILITY  
CONSTRUCTED BY THE COUNTY  
STORMWATER MANAGEMENT MAINTENANCE AGREEMENT  
SCHEDULE

1. The Stormwater Management Facility/Facilities shown on these plans shall be constructed by Carroll County.
2. The County or its heirs or assigns shall be responsible for continuing maintenance of the facility/facilities which shall include such items as mowing, cleaning, removing sediment, trees, shrubs, and debris and repairing any structural damage. Requirements and schedules for specific types of facilities and practices as listed on the plans are hereby included.
3. The County or its heirs or assigns shall be responsible for any structural damage or failure which may occur as a result of negligence, accident or misuse. In the event of structural damage, the County or its heirs or assigns is responsible to make repairs as quickly as possible (30 day maximum).
4. After completion of the facility the Carroll County Bureau of Resource Management shall certify that the facility is in proper working condition. "After completion of the facility" is construed to mean that all contributory drainage areas are paved or supporting a 2" stand of dense grass and that all buildings are constructed and that the Carroll County Bureau of Resource Management has inspected construction and a registered professional engineer has certified that the "As-Built" plans meet the plans and specifications for construction.
5. If this facility is ever transferred to private ownership, the County's heirs or assigns are responsible for the agreement. In such a case, if after notice by the County to correct a violation requiring maintenance work, satisfactory corrections are not made by the owner(s) within (30) days the County may perform all necessary work to place the facility in proper working condition. The owners of the facility shall be assessed the cost of the work and any penalties. The monies may be collected by placing a lien on the property, or by including the costs and penalties in the property tax bill and collecting them as ordinary taxes by the County.
6. Owner(s) shall grant right of entry to authorized County/Town/City personnel for purposes of inspection monitoring and/or repair. Site visits for inspection and/or monitoring shall be conducted only during normal County working hours (8:00 a.m. to 5:00 p.m. Monday – Friday).
7. This agreement including right of entry for inspection/maintenance and repair shall be recorded in the Land Records of the County.

Effective Date: November 15, 2018  
Distributed for comments at the Carroll County Surveyor's Meeting October 15, 2018  
12 Amended

149

Carroll County Supplemental Materials Specifications for Bio-Swale, Bioretention, Micro-Bioretention & Rain Gardens			
Material	Specification	Size	Notes
Plantings	See Landscape Plan	N/A	Plantings are site specific and per approved landscape plan
Seed Mix	Filter Bed Mix – Use Wet Meadow Mix per MD Standards and Specifications §707. See Table 3 (1 lb. minimum/micro-bioretention)	N/A	Used with straw mulch in place of shredded hardwood mulch. Incorporate seed evenly in top 1/2" of filter media
Mulch	Shredded Hardwood	N/A	Aged 6 months, minimum
Straw Mulch	MD Standards and Specifications §920.04.01. (200 lb. minimum/micro-bioretention)	N/A	1" Straw mulch over seed bed (facility bottom)
Geotextile	Class "C" – Apparent opening size (ASTM-D-4751), Grab Tensile Strength (ASTM-D-4632), Puncture Resistance (ASTM-D-4833)	N/A	Sides only Not on bottom unless specified on the plans
Underdrain and Reservoir Gravel	AASHTO M-43 No. 8 Stone	3/4" – 1 1/4"	Stone must be clean and washed
Underdrain and Observation Well Piping	Slotted PVC or Slotted HDPE Type "SP" Pipes Solid: Scheduled 40 PVC or HDPE Type "S"	See Plan	Refer to the Carroll County SWM Supplement Pg. 87 All pipes must be double walled (smooth core) and slotted (no circular holes) Sand substitutions such as Diabase and Graystone #10 are not acceptable.
Sand	ASTM-C-33 (3 parts to 6 within Filter Media)	0.02" – 0.04"	No calcium carbonate or dolomitic sand substitutions are acceptable. No "rock-dust" can be used for sand. Manufactured sand from approved sources may be used for filters. Manufactured sand may not be used in dams.
Soil	Engineer approved loam with 20% or less clay. (1 part to 6 within Filter Media)	N/A	
Wood Chips	Untreated "Green" (2 parts to 6 within Filter Media)	N/A	Untreated "green" wood chips
Filter/Planting Media	Comprised of 3 parts sand, 2 parts wood chips, 1 part soil	N/A	See individual material specifications
Embankments & Trench Backfill (non-378)	Soils used for embankments and trench backfill shall be uniform and in accordance with MD 378 Code, except that fill material shall conform to Unified Soil Classification, GC, SC, SM, MH, ML, CH, or CL and be compacted to a density of not less than 95% of maximum dry density. Woody vegetation is prohibited on embankments.	N/A	See Earth Fill and Structure Backfill, Carroll County Construction Specifications Carroll County SWM Supplement, Page 130
Principal Spillway Pipe (non-378)	Shall be in accordance with MD 378 Code, except that all pipe joints are to be gasketed and completely watertight. Pipes connected to risers (inlets) shall be a single piece 20-feet long with no joints.	See Plan	See Pipe Conduits, Carroll County Construction Specifications Carroll County SWM Supplement, Page 131

R:\Forms\SWM Forms\Updated Forms\Carroll County Supplemental Materials Specifications For Bio-Swale, Bioretention, Micro-Bioretention and Rain Gardens Revised 11.20.23.docx

Chad N. Wasieleski, PE, CFM  
Carroll County Stormwater Management Program Engineer  
March 20, 2020; Dec. 20, 2022; Jan. 6, 2023; Revised July 25, 2023; Revised Nov. 20, 2023

STORMWATER MAINTENANCE SCHEDULE  
MICRO-BIORETENTION  
Modified to Correspond to Carroll County Details

MONTHLY INSPECTION		
Inspection Item	Inspection Requirements	Remedial Action
Debris and Trash	Check for trash and debris in facility including inlets, outlets, conveyance systems, and area around facility.	Remove all trash and debris and dispose in an acceptable manner. Unclog all openings.
Plant Composition and Health	Compare plant composition with approved plans. Check for invasive species or weeds. Check for dead or dying vegetation.	Remove invasive species and weeds. Replace dead plants in accordance with approved landscaping plan <b>OR</b> Reseed and Remulch per Filter Bed Mix.
Vegetative Cover	Check for channelizing, erosion, and bare spots. Check for vegetation blocking inlet and outlet.	Remove or cut back vegetation around inlet and outlet structures. Mow side slopes and embankment when grass exceeds 12 inches in height, but do not mow filter bed (Woody vegetation is prohibited on the embankment). If using Filter Bed Mix, may mow bed twice per year. Remove grass clippings. Re-seed or re-plant in accordance with approved landscaping plans.
Mulch Layer	Check mulch for adequate cover, sediment accumulation, or discoloration.	Replace and remove old mulch and excess sediment. Provide adequate mulch cover according to approved design.
SEASONAL INSPECTION AND AFTER A MAJOR STORM		
Inspection Item	Inspection Requirements	Remedial Action
Dewatering	Check ponding level. Surface storage must dewater within 48 hours of rainfall. Noticeable odors, stained water on the filter surface or at the outlet, or the presence of algae or aquatic vegetation are indicators of anaerobic conditions and inadequate dewatering of the facility.	Remove and replace top few inches of media. If the facility does not function as intended after the above action, excavate, remove, clean, and replace stone, underdrain, media, and plants in accordance with approved plans.
Erosion	Check inlets, filter bed, outlets, and side slopes for erosion, rills, gullies, and runoff channelization.	Re-grading may be required when concentrated flow causes rills or gully through the facility. Grade, vegetate, and/or armor to provide stable conveyance in accordance with approved plans.
Sediment Accumulation	Check for accumulated sediment in conveyance systems and on filter bed. Check for clogged openings (blockages).	When sediment accumulates to 1 inch depth, remove sediment. Remove sediment from clogged openings. Dispose of all sediment in an acceptable location.
ANNUAL INSPECTION		
Inspection Item	Inspection Requirements	Remedial Action
Structural Components	Check for evidence of structural deterioration, spalling, or cracking. Inlet and outlet structures as well as riprap outfalls must be in good condition.	Repair to good condition according to specifications on the approved plans.
Overall Function of Facility	Check that practice is functioning as designed.	Repair to good condition according to specifications on the approved plans.

#N/A

Modifications By: Martin B Covington, III, P.E.  
Carroll County Stormwater Management Program Engineer

August 2021  
Revised December 20, 2022

MOSELEYARCHITECTS

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

MOSELEYARCHITECTS.COM



PSC #06.005



SANDYMOUNT ELEMENTARY SCHOOL PRE-K & KINDERGARTEN ADDITIONS

CARROLL COUNTY PUBLIC SCHOOLS  
1110 GIST ROAD, WESTMINSTER, MD 21157

PROJECT NO.: 631390	
DATE:	
REVISIONS	
DATE	DESCRIPTION
9/18/24	CD PROGRESS SET

SWM DETAILS & NOTES

C521

SHEET 12 OF 15

COUNTY FILE NUMBER:  
S-23-0032

DEVELOPER'S CERTIFICATION

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

SIGNED 10/3/24 DATE

ENGINEER'S DESIGN CERTIFICATION

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

SIGNED 10/5/24 DATE

53832 5/31/2025  
LICENSE NO EXPIRATION DATE

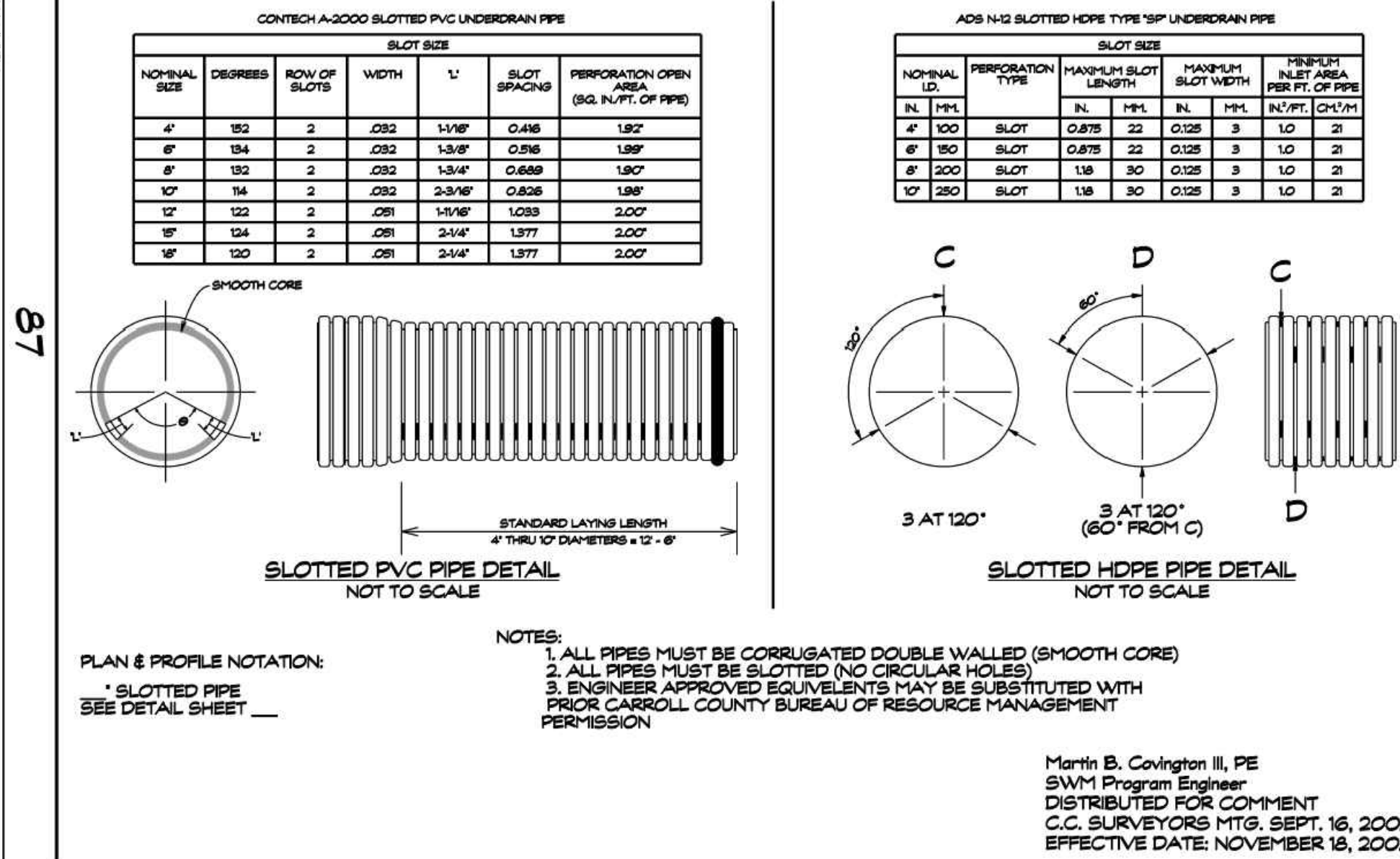
ENGINEER'S "AS-BUILT" CERTIFICATION

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

SIGNED DATE

53832 5/31/2025  
LICENSE NO EXPIRATION DATE

APPROVED UNDERDRAIN PIPES FOR CARROLL COUNTY  
STORMWATER MANAGEMENT FACILITIES



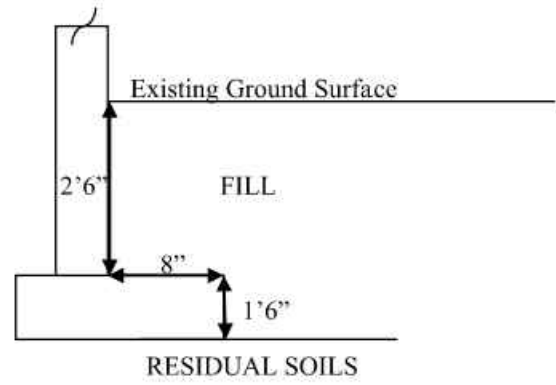




TEST PIT LOG

Contract No.: 23209.3D Date: December 26, 2023  
Project: Sandymount CCES DWK Representative: N. Honegger  
Location: Finksburg, Maryland  
Test Pit No.: DWK-TP-1 Groundwater EL: Dry  
Surface Elevation: 734.0 Excavation Equipment: Mini Excavator

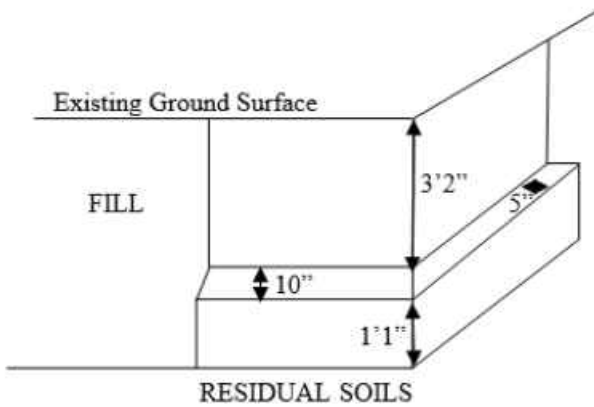
DEPTH (FT.)	ELEV.	SOIL DESCRIPTION AND OBSERVATIONS	STRATUM	REMARKS
0	734.0	Topsoil 6"		
0.5	733.5	FILL, sandy lean clay, moist, reddish brown  <b>Top of Footing @ 2' 6"</b>  <b>Bottom of Footing @ 4'</b> SILTY SAND, moist, yellowish brown	A	FILL
1.0	733.0			
1.5	732.5			
2.0	732.0			
2.5	731.5			
3.0	731.0			
3.5	730.5			
4.0	730.0			
4.5	729.5	Bottom of Test Pit @ 4.5 feet	B	Residual



TEST PIT LOG

Contract No.: 23209.3D Date: December 26, 2023  
Project: Sandymount CCES DWK Representative: N. Honegger  
Location: Finksburg, Maryland  
Test Pit No.: DWK-TP-3 Groundwater EL: Dry  
Surface Elevation: 734.0 Excavation Equipment: Mini Excavator

DEPTH (FT.)	ELEV.	SOIL DESCRIPTION AND OBSERVATIONS	STRATUM	REMARKS
0	734.0	Topsoil 6"		
0.5	733.5	FILL, sandy lean clay, with rock fragments, moist, reddish brown	A	FILL
1.0	733.0			
1.5	732.5			
2.0	732.0	SILTY SAND, moist, brown		
2.5	731.5	<b>Top of Footing @ 3'2"</b>		
3.0	731.0			
3.5	730.5			
4.0	730.0			
		<b>Bottom of Footing @ 4'3"</b>	B	Residual
4.5	729.5	SILTY SAND, moist, yellowish brown		
		Bottom of Test Pit @ 4.5 feet		



TEST PIT LOG

Contract No.: 23209.3D Date: December 26, 2023  
Project: Sandymount CCES DWK Representative: N. Honegger  
Location: Finksburg, Maryland  
Test Pit No.: DWK-SWM-1 Groundwater EL: Dry  
Surface Elevation: 726.0 Excavation Equipment: Mini Excavator

DEPTH (FT.)	ELEV.	SOIL DESCRIPTION AND OBSERVATIONS	STRATUM	REMARKS
0	726.0	Topsoil 4"		
0.5	725.5	FILL, sandy silt, with roots, sub-angular blocky, moist, orangish brown	A	FILL
1.0	725.0			
1.5	724.5	SANDY LEAN CLAY, with rock fragments, sub-angular, blocky, moist, brown	B	Residual
2.0	724.0			
2.5	723.5	SANDY SILT, with mica and rock fragments, sub-angular, plate-like, moist, red/brown		
3.0	723.0			
3.5	722.5			
4.0	722.0	SANDY SILT, angular, blocky, moist, yellowish brown		
4.5	721.5			
5.0	721.0			
5.5	720.5			
6.0	720.0		Infiltration Test Depth	
6.5	719.5			
7.0	719.0			
7.5	718.5			



PSC #06.005



SANDYMOUNT ELEMENTARY SCHOOL PRE-K & KINDERGARTEN ADDITIONS

CARROLL COUNTY PUBLIC SCHOOLS  
1110 GIST ROAD, WESTMINSTER, MD 21157

PROJECT NO.: 631390
DATE:
REVISIONS
DATE DESCRIPTION
9/18/24 CD PROGRESS SET

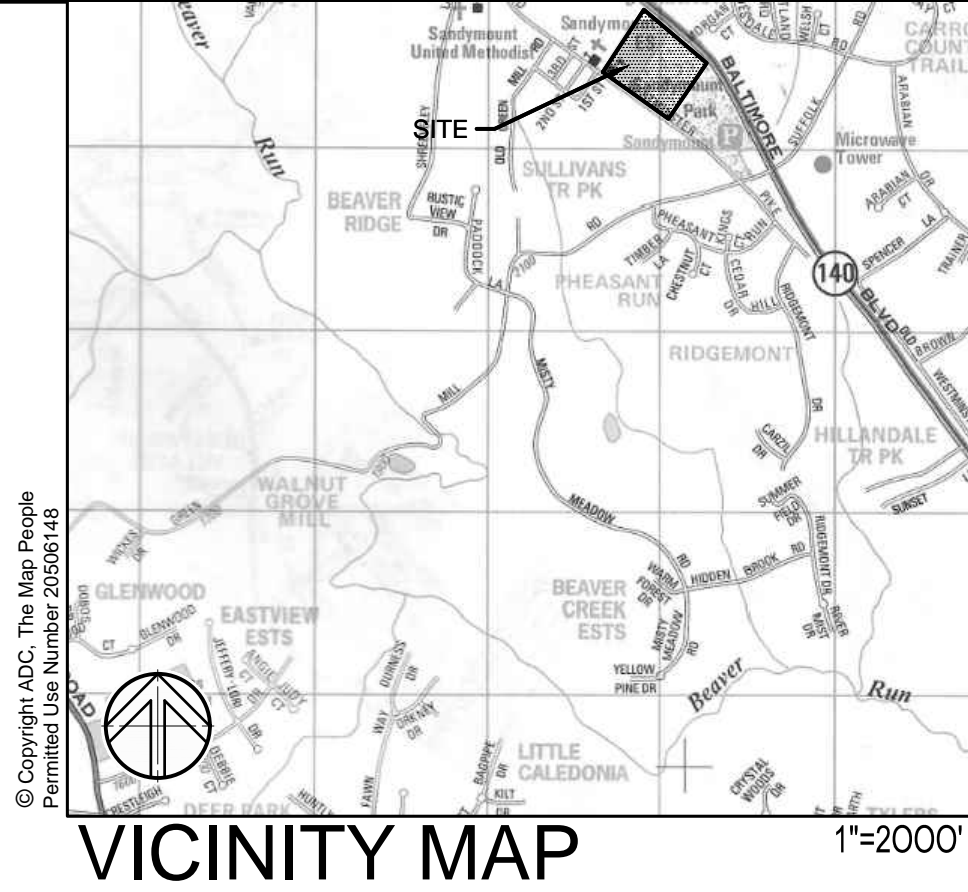
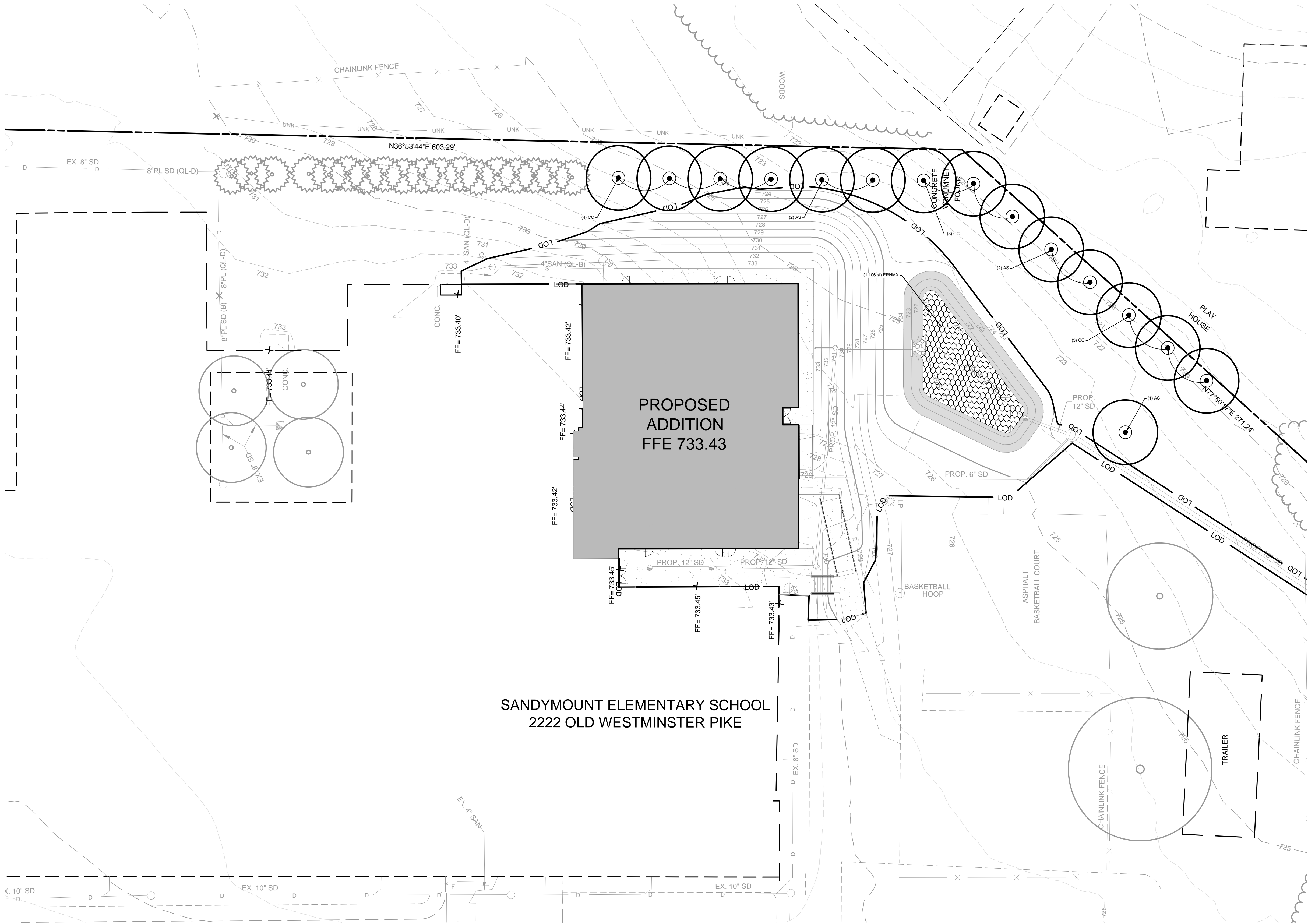
SWM TEST PITS

COUNTY FILE NUMBER:  
S-23-0032

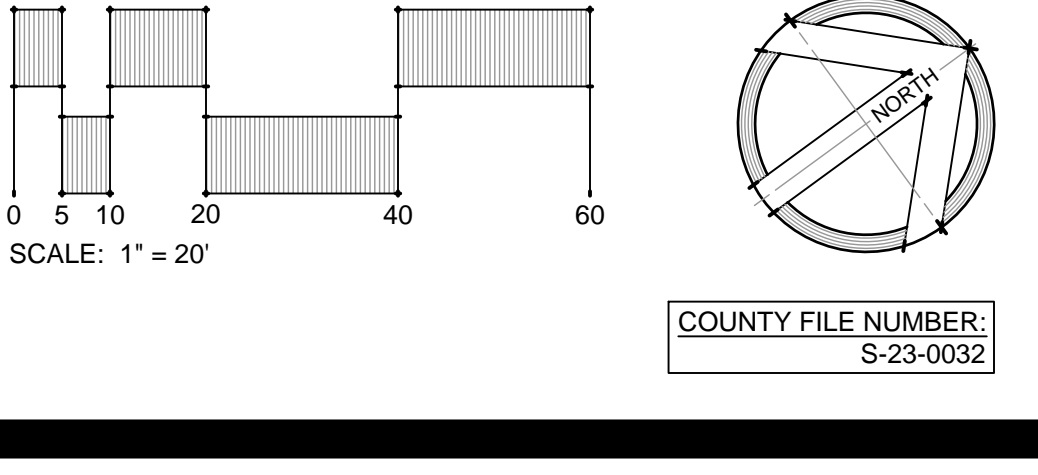
C522

SHEET 13 OF 15



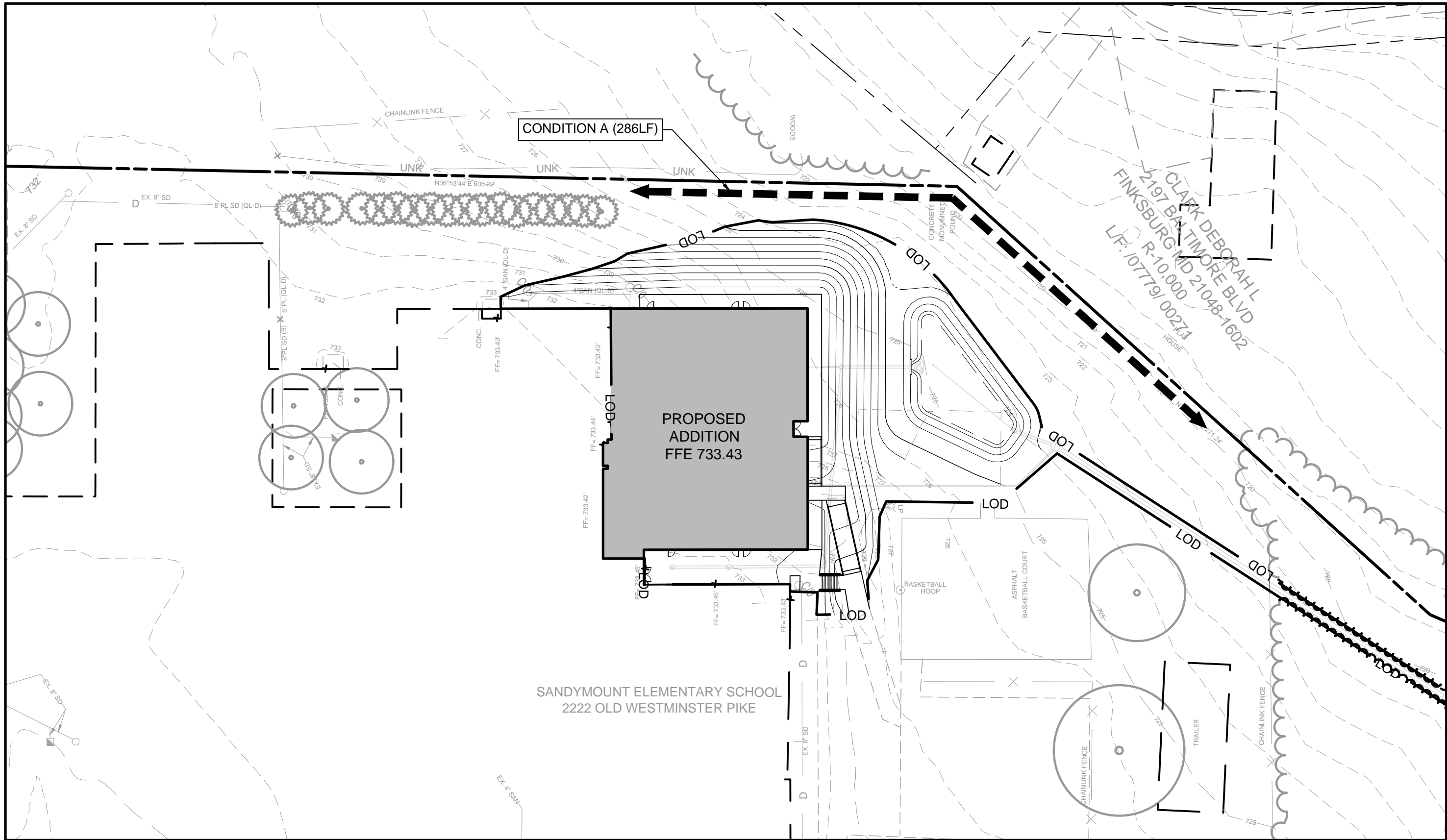


LEGEND	
	PROPERTY LINE
	EXISTING BUILDING
	EXISTING WALK
	EXISTING ROAD
	EXISTING CURB
	EXISTING FENCE
	EXISTING TREES
	EXISTING STORM DRAIN
	EXISTING WATER
	EXISTING SANITARY SEWER
	EXISTING GAS
	EXISTING FUEL OIL
	EXISTING TELEPHONE
	EXISTING ELECTRIC
	EXISTING OVERHEAD ELECTRIC
	EXISTING LIGHTING
	EXISTING CONTOURS
	PROPOSED BUILDING
	PROPOSED BUILDING OVERHANG
	PROPOSED SIDEWALK
	PROPOSED RETAINING WALL
	PROPOSED STORM DRAIN
	PROPOSED CONTOURS
	PROPOSED SHADE TREE
	PROPOSED PLANT BED LINE
	EDGE OF MULCHED PLANT BED / MULCHED TREE RING
	PROPOSED SOD
	PROPOSED SEEDING
	LIMIT OF DISTURBANCE



PROJECT NO: 631390	
DATE:	
REVISIONS	
DATE	DESCRIPTION
9/18/24	CD PROGRESS SET

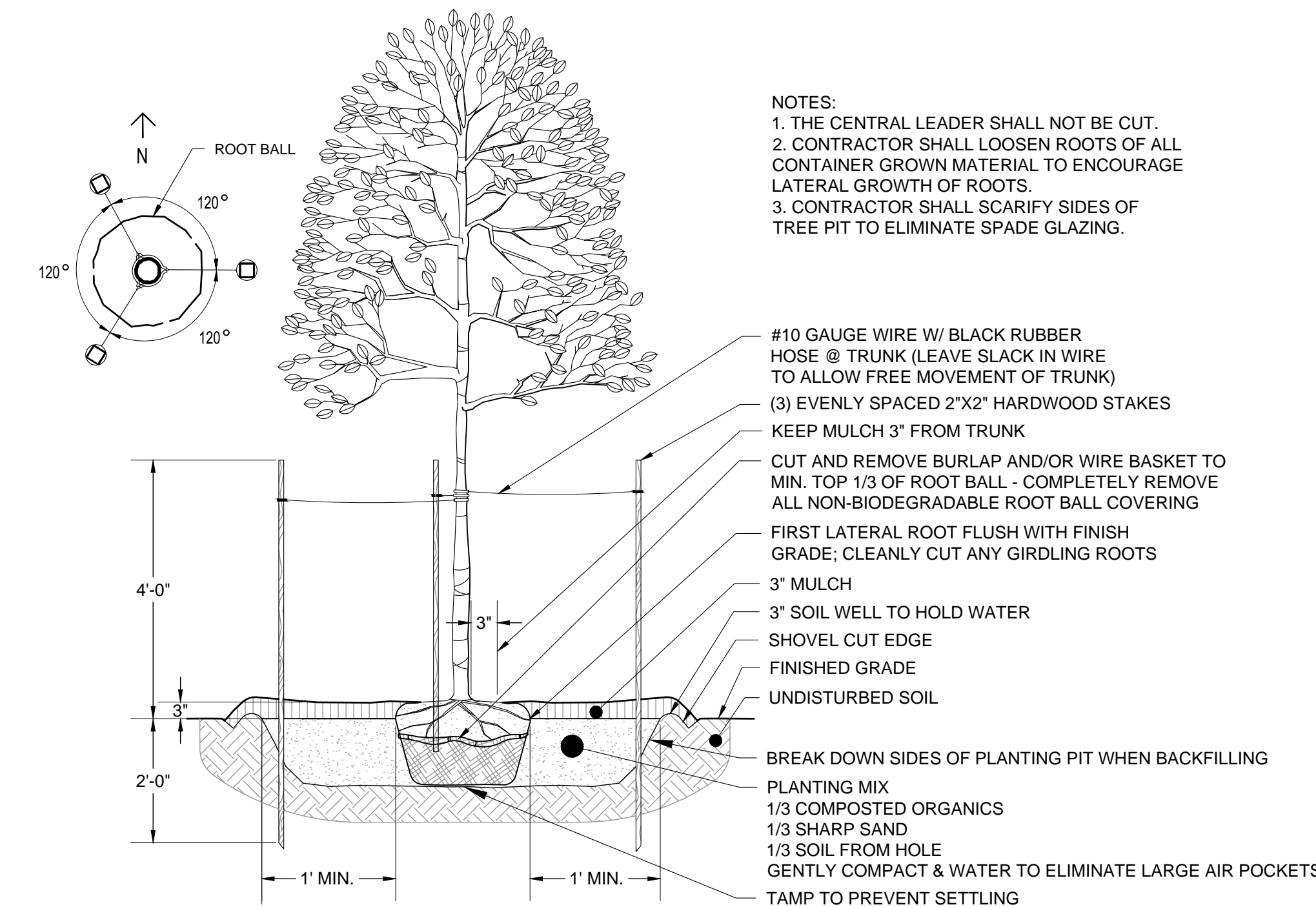




## PLANTING REQUIREMENTS

### PLANT SCHEDULE

CODE	QTY	BOTANICAL / COMMON NAME	SIZE	SPACING	REMARKS
SHADE TREES					
AS	5	ACER SACCHARUM 'BAILSTA' / FALL FIESTA® SUGAR MAPLE	2.5" CAL. & B&B	AS SHOWN	STRONG SINGLE LEADER, HEAVY
CC	10	CARPINUS CAROLINIANA / AMERICAN HORNBEAM	2.5" CAL. & B&B	AS SHOWN	STRONG SINGLE LEADER, HEAVY
PERENNIALS, GRASSES, & GROUNDCOVERS					
ERNMX	1,106 SF	ERNST RAIN GARDEN MIX 180	SEED		1 LB PER 2178 SQFT



DECIDUOUS TREE DETAIL

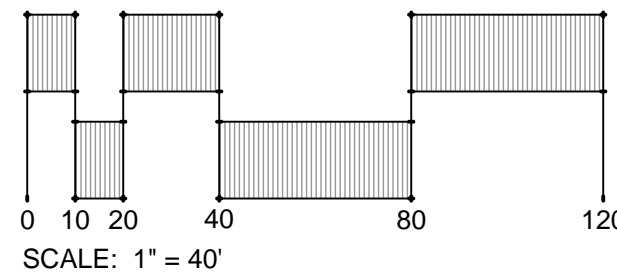
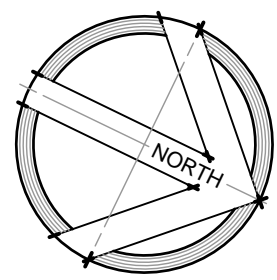
## PLANTING DETAILS

### PLANTING UNIT CALCULATIONS PER CARROLL COUNTY REQUIREMENT

KEY	ELEMENT	RATE	MEASUREMEN T	PLANTING UNITS (PU)
A	BUILDING ADJACENT TO RESIDENTIAL ZONE	1 PU / 20 LF	286 LF	14
			TOTAL PU	14 PU REQUIRED

### PROVIDED LANDSCAPE TABULATIONS

ELEMENT	RATE	TABULATION	TOTAL
SHADE TREE	1 PU / TREE	15 TREES	15 PU
		--	15 PU PROVIDED 14 PU REQUIRED



### LANDSCAPE NOTES

- (THESE NOTES APPLY TO ALL PLANTING IN THIS CONTRACT)
- QUANTITIES SHOWN ON THE PLANT LIST ARE FOR THE CONTRACTOR'S CONVENIENCE ONLY. SYMBOLS ON THE PLAN SHALL TAKE PRECEDENCE. CONTRACTOR SHALL VERIFY ALL PLANT QUANTITIES TO HIS OWN SATISFACTION.
  - PLANT MATERIAL SUBSTITUTIONS ARE SUBJECT TO APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT.
  - PLANT MATERIAL SHALL BE TAGGED AT THE SOURCE BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE UNLESS THE REQUIREMENT IS SPECIFICALLY WAIVED.
  - LOCATIONS OF ALL PLANT MATERIAL SHALL BE STAKED FOR APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT.
  - ALL SHRUB AND GROUND COVER AREAS SHALL BE PLANTED IN CONTINUOUS PREPARED BEDS MULCHED WITH COMPOSTED HARDWOOD MULCH AS DETAILED AND SPECIFIED.
  - PLANTING BEDS SHALL HAVE POSITIVE DRAINAGE WITH A MINIMUM 2% SLOPE.
  - CONTRACTOR SHALL VERIFY ACCURACY OF BASE INFORMATION AND EXISTING CONDITIONS AND UTILITIES IN THE FIELD TO HIS OWN SATISFACTION. UTILITIES BID SHALL BE BASED ON ACTUAL SITE CONDITIONS. NO EXTRA PAYMENT SHALL BE MADE FOR WORK ARISING FROM SITE CONDITIONS DIFFERING FROM THOSE INDICATED ON DRAWINGS AND SPECIFICATIONS.
  - THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777 A MINIMUM OF TWO WORKING DAYS PRIOR TO BEGINNING PLANTING AND CONSTRUCTION.
  - DAMAGE TO EXISTING CONDITIONS AND UTILITIES SHALL BE REPAIRED AND RESTORED AT THE EXPENSE OF THE CONTRACTOR.
  - ALL PLANT MATERIAL SHALL BE NURSERY GROWN AND SHALL CONFORM TO AMERICAN NURSERY & LANDSCAPE ASSOCIATION'S AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1.
  - INSTALLATION STANDARDS TO CONFORM TO THE MOST RECENT VERSION OF THE ANSI A300 STANDARDS PART 6 - TRANSPLANTING AND LANDSCAPE SPECIFICATIONS GUIDELINES OF THE LANDSCAPE CONTRACTORS ASSOCIATION, MARYLAND, DISTRICT OF COLUMBIA AND VIRGINIA.
  - PLANTING ON INDIVIDUAL LOTS SHALL BE INSTALLED UPON FINAL GRADING INSPECTION. NO FINAL GRADING APPROVAL SHALL BE GIVEN ON THE BUILDING PERMIT UNTIL LANDSCAPING IS COMPLETE.

### MINIMUM LANDSCAPE MAINTENANCE REQUIREMENTS

- LAWN AREAS SHALL BE MOWED TO A HEIGHT OF 2 TO 3 INCHES AND NOT ALLOWED TO REACH A HEIGHT OF 4 INCHES BEFORE MOWING.
- ALL CURBS AND WALKS SHALL BE EDGED AS NEEDED.
- ALL LAWN AREAS ADJACENT TO BUILDING FACES OR STRUCTURES SHALL BE TRIMMED.
- A SLOW RELEASE NITROGEN BALANCED FERTILIZER WITH A 2-1-1 RATIO SHALL BE APPLIED AT A RATE OF 2 POUNDS OF NITROGEN PER 1000 SQUARE FEET IN SEPTEMBER, OCTOBER, AND FEBRUARY.
- LIME SHALL BE APPLIED AT THE RATE DETERMINED BY A SOILS REPORT.
- IT IS RECOMMENDED THAT LAWN AREAS BE TREATED IN MID-MARCH TO EARLY APRIL WITH PRE-EMERGENT HERBICIDE (BETASAN) OR EQUAL APPLIED AT THE MANUFACTURER'S RECOMMENDED RATE.
- A POST-EMERGENT HERBICIDE (TRIMEC) OR EQUAL IS RECOMMENDED TO BE SPRAYED ON LAWN AREAS IN THE LATE SPRING OR THE EARLY FALL. FOLLOW MANUFACTURER'S RATES AND RECOMMENDATIONS.
- INSECTICIDES AND FUNGICIDES ARE RECOMMENDED FOR INSECT AND DISEASE CONTROL.
- RESEED BARE AREAS OF LAWN AS NECESSARY. YEARLY AERATION IS RECOMMENDED.
- ALL TRASH, LITTER, AND DEBRIS SHALL BE REMOVED FROM LAWN AREAS, PARKING LOTS, AND SHRUB BEDS AS NEEDED.
- MULCH ALL SHRUB AND GROUND COVER BEDS YEARLY WITH 3 INCHES OF SHREDDED HARDWOOD BARK.
- PERMIT SHRUBS AND TREES TO GROW AND ENLARGE TO THEIR DESIGN SIZE. CONSULT PROJECT LANDSCAPE ARCHITECT FOR DETAILS.
- PRUNE TREES IN ACCORDANCE WITH LANDSCAPE CONTRACTORS ASSOCIATION GUIDELINES.
- THE OWNER OF ANY PROPERTY ON WHICH LANDSCAPING HAS BEEN INSTALLED PURSUANT TO THIS CHAPTER SHALL MAINTAIN THE LANDSCAPING IN GOOD CONDITION WITH PERPETUITY. A LANDSCAPE MAINTENANCE AGREEMENT SHALL BE REQUIRED. FAILURE TO REPLACE DEAD OR DYING PUS OR THE REMOVAL OF ANY INSTALLED PUS IS A VIOLATION OF THIS CHAPTER.

### ADDITIONAL LANDSCAPE SPECIFICATION REFERENCES & NOTES

- (THESE NOTES APPLY TO ALL PLANTING IN THIS CONTRACT)
- ALL PLANTS SHALL BE IDENTIFIED IN ACCORDANCE WITH THE LATEST EDITION OF HORTUS THIRD, BY "THE STAFF OF THE HORTORIUM".
  - ALL NURSERY STOCK SHALL CONFORM TO AMERICAN ASSOCIATION OF NURSERYMEN, INC., STANDARDS AS DESCRIBED IN AMERICAN STANDARD FOR NURSERY STOCK, CURRENT ANSI Z60.1 SPECIFICATIONS.
  - LANDSCAPE SPECIFICATIONS SHALL CONFORM TO LANDSCAPE GUIDELINES FOR MARYLAND, WASHINGTON D.C., AND VIRGINIA LATEST EDITION. ALL NURSERY STOCK SHALL BE PLANTED IN ACCORDANCE WITH THE PROCEDURES AND OUTLINED IN THE GUIDELINES.
  - THREE INCHES OF TOPSOIL IS REQUIRED ON ALL DISTURBED AREAS TO BE LANDSCAPED, SEEDED, OR SODDED.

### LANDSCAPE INSPECTIONS

- (THESE NOTES APPLY TO ALL PLANTING IN THIS CONTRACT)
- A MINIMUM OF 2 INSPECTIONS WILL BE REQUIRED. NO INSPECTIONS SHALL BE FINALIZED FROM NOVEMBER 1ST TO MARCH 1ST. TO BE CONSIDERED ACCEPTABLE, NO MORE THAN 1/3 OF A PLANT MAY BE DEAD.
- INITIAL INSPECTION: THIS INSPECTION SHALL BE PERFORMED BY THE COUNTY WHEN PLANTING IS COMPLETED TO VERIFY COMPLIANCE WITH THE APPROVED PLANTING PLAN.
  - FINAL INSPECTION: THIS INSPECTION SHALL BE PERFORMED BY THE COUNTY 12 MONTHS AFTER THE INITIAL PLANTING.

### Final Landscape Plan Owner Certification Form

I certify that I have reviewed this Final Landscape Plan; that I have read and understand the regulations presented in the Carroll County Landscape Manual; and I agree to comply with these regulations and all applicable policy, guidelines and ordinances. I agree to certify the implementation of this approved Final Landscape Plan no later than one (1) year from the date of approval of this plan to the Department of Planning, Bureau of Resource Management, Room 209, 225 N. Center Street, Westminster, MD 21157-5194.

Applicant's Signature	Date	Print Name
Address (Please Print) Street		
City	State	Zip
File #		

COUNTY FILE NUMBER:  
S-23-0032