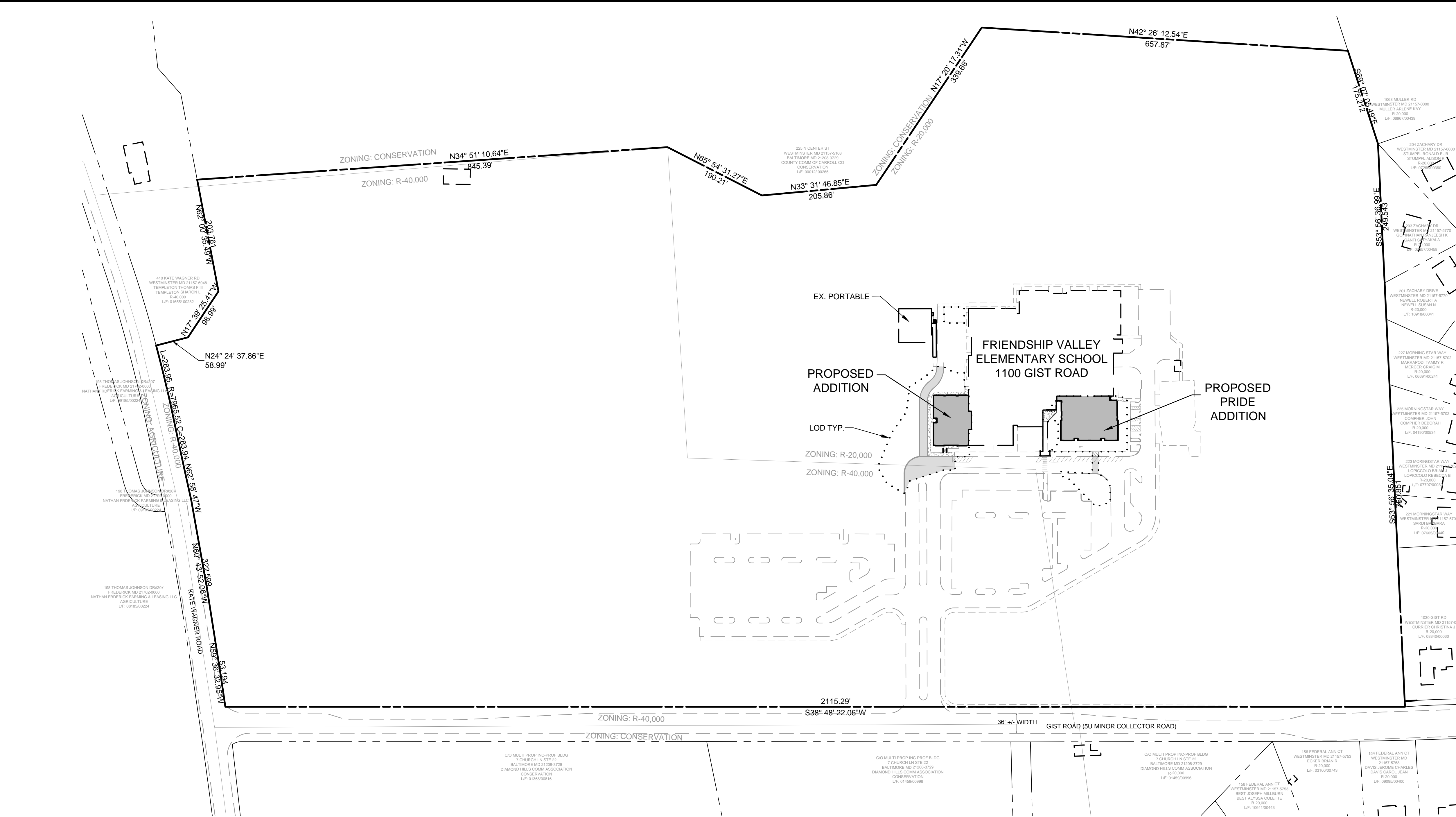
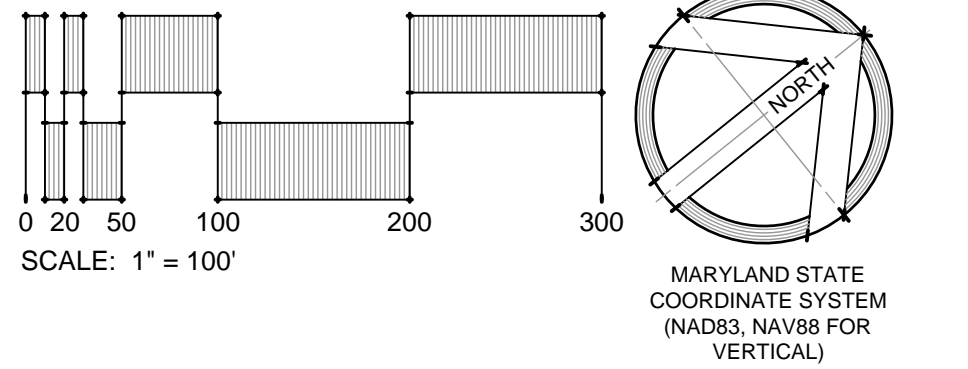


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**CONCEPT SITE DEVELOPMENT PLAN
FOR
FRIENDSHIP VALLEY ELEMENTARY SCHOOL
1100 GIST ROAD, WESTMINSTER, MD 21157**

SITE DATA

SITE ADDRESS: 1100 GIST ROAD, WESTMINSTER, MD 21157

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

PROPERTY REFERENCE: TAX MAP: 51
GRID: 6
PARCEL: 635
ELECTION DISTRICT: 07-005

PROPERTY LAND AREA: 46.42 ACRES

TOTAL DEVELOPED AREA: 2,022,055.20 SF OR 46.42 ACRES

PROPOSED DISTURBED AREA: 39,270 SF

EXISTING/PROPOSED USE: ELEMENTARY SCHOOL/ELEMENTARY SCHOOL

PROPOSED ADDITION AREAS: 13,890 SF

ZONING: ZONE R-20,000 (RESIDENCE, SUBURBAN DISTRICT)

SETBACKS: FRONT: 150 FT
SIDE: 100 FT
REAR: 50 FT

PARKING LOT TABULATION: EXISTING: 133
PROPOSED: 133

STUDENT ENROLLMENT: CURRENT: 499
PROJECTED: 519

STAFF: CURRENT: 98
PROJECTED: 98

TRIP GENERATION: ADDITIONS ARE NOT INCREASING ENROLLMENT. NO ADDITIONAL TRIPS OR BUSES ARE PLANNED.

FLOODPLAIN INFO: THE SITE IS NOT LOCATED WITHIN THE 100 YEAR FLOODPLAIN AS DELINEATED ON FEMA FLOOD INSURANCE RATE MAP 24013C0043D. 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 EAST CORNER AND THE SOUTH WEST CORNER OF THE SCHOOL. THE HYDRANT ON THE SOUTH WEST CORNER WILL BE RELOCATED FURTHER SOUTH DUE TO THE BUILDING ADDITION.

THE SITE IS IN COMPLIANCE WITH THE CODE OF PUBLIC LOCAL LAWS & ORDINANCES OF CARROLL COUNTY, MARYLAND PER CHAPTER 150 OF THE FOREST CONSERVATION ORDINANCE.

WATER RESOURCE NOTES

1. THE PROPOSED PROJECT IS IN AN AQUIFER PROTECTION AREA AND A SURFACE WATER PROTECTION AREA, AND PART OF THE PROPERTY IS IN A WELLHEAD PROTECTION AREA.
2. THERE WILL BE NO USE, TRANSFER, OR STORAGE OF REGULATED SUBSTANCES ON SITE.
3. A PORTION OF THE PROJECT SITE IS LOCATED WITHIN THE TIER II CATCHMENT MORGAN RUN 1, WITH ASSIMILATIVE CAPACITY REMAINING.

**CARROLL COUNTY
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING**

BY _____ DATE _____

**CARROLL COUNTY
SOIL CONSERVATION DISTRICT**

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE CARROLL SOIL CONSERVATION DISTRICT

APPROVED _____ CARROLL S.C.D. / DATE _____

**CARROLL COUNTY
HEALTH DEPARTMENT**

BY _____ DATE _____

Community Water and/or sewerage systems are in conformance with the Carroll County Master Plan for Water and Sewer.

ENGINEER'S CERTIFICATION

I hereby certify that these construction drawings and associated computations were prepared by me or under my supervision and comply with all applicable standards and regulations of The City of Westminister. I have reviewed these documents with the Owner/Developer.

NAME(S) (PRINTED) _____ DATE _____

MARYLAND REGISTRATION NUMBER No. _____

SIGNED _____ DATE _____

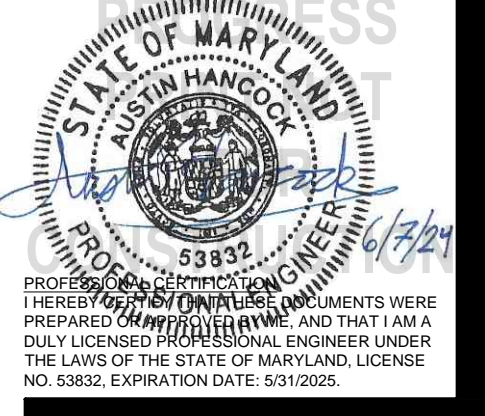
OWNER/DEVELOPER CERTIFICATION

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 City of Westminister Planning and Zoning Commission before any change in the work is made.

NAME(S) (PRINTED) _____ DATE _____

SIGNED _____ DATE _____

COUNTY FILE NUMBER:
S-23-0030



PROFESSIONAL ENGINEER
I HEREBY CERTIFY THAT THE DRAWINGS WERE PREPARED BY ME OR UNDER MY SUPERVISION AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 53832, EXPIRATION DATE: 5/31/2025.

SITERESOURCES
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410.883.3388
www.siteresources.com

FRIENDSHIP VALLEY ELEMENTARY SCHOOL PRE-K, KINDERGARTEN & PRIDE SUITE ADDITIONS

CARROLL COUNTY PUBLIC SCHOOLS

1110 GIST ROAD, WESTMINSTER, MD 21157

PROJECT NO: 631374

DATE	REVISIONS

DATE	DESCRIPTION

COVER SHEET

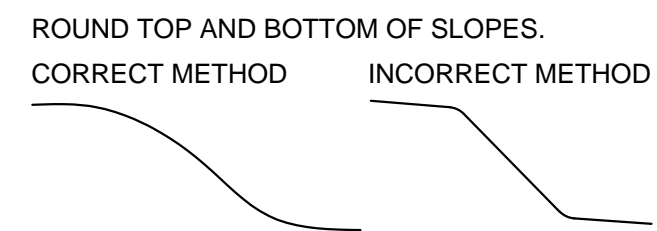
GENERAL NOTES (THESE NOTES PERTAIN TO ALL CIVIL DRAWINGS)

- 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:
 - NOTIFY MISS UTILITY AT 1-800-257-7777, AND MAKE SURE THEY COMPLETE THE MARKING OF UTILITIES WITHIN THE LIMITS OF CONSTRUCTION AT LEAST 48 HOURS PRIOR TO INSTALLING SEDIMENT 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.
 - 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;
 - 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.
 - 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.
- EXISTING AND PROPOSED GAS LINES, ELECTRIC LINES, TELEPHONE LINES, COMMUNICATION LINES AND OTHER UTILITIES: THESE DRAWINGS INCLUDE IDENTIFICATION 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- UTILITY CAPPING AND PROTECTION: ALL BUILDING CONNECTIONS SHALL BE CAPPED AT UPSTREAM END, 5 FEET FROM PROPOSED BUILDINGS, CAISONS 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.
- 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.
- 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.
- 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 BURY) UNLESS INDICATED OTHERWISE ON THESE CONSTRUCTION DRAWINGS. JOINTS SHALL BE ELASTOMERIC GASKETED.
- 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.

- 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.
- 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.
- 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.
- BENCHMARKS: SEE EXISTING CONDITIONS AND DEMOLITION PLAN.
- 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).
- DIMENSIONS: UNLESS OTHERWISE NOTED ON THE DRAWING, ALL DIMENSIONS SHOWN ON THE SITE DRAWINGS FOLLOW THESE CONVENTIONS:
 - DIMENSIONS TO A BUILDING OR RETAINING WALL ARE TO THE FACE OF THE WALL;
 - DIMENSIONS TO A CURB ARE TO THE FACE (NOT THE BACK) OF THE CURB;
 - DIMENSIONS TO A FENCE ARE TO THE CENTERLINE OF THE FENCE;
 - DIMENSIONS FOR SIDEWALKS ABUTTING A CURB ARE FROM THE FACE OF CURB TO THE BACK EDGE OF THE WALK;
 - DIMENSIONS FOR OTHER SIDEWALKS OR OPEN PAVING SECTIONS ARE MEASURED TO THE EDGE OF PAVING;
 - DIMENSIONS TO A MANHOLE, INLET, CLEANOUT, PIPE BEND, VALVE, FIRE HYDRANT OR OTHER UTILITY APPURTENANCE ARE TO THE CENTER OF THE STRUCTURE;
 - DIMENSIONS FOR STEPS ARE TO THE OUTER EDGE OF THE STAIRCASE AND THE NOSE OF THE TOP OR BOTTOM STEP.
 - LAYOUT OF SEDIMENT CONTROL MEASURES AND PLANT MATERIAL SHALL BE SCALED.
- 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.).



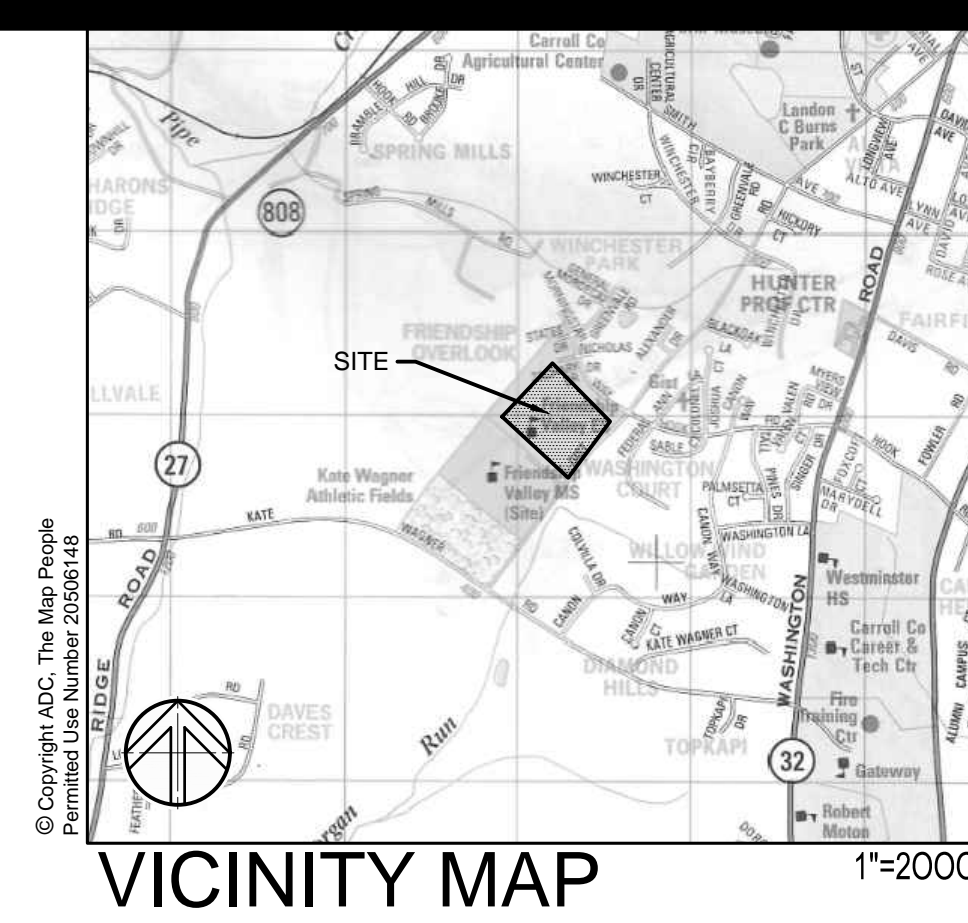
- COMPACTION: ALL EARTH FILL MATERIAL UNDER SLABS, FOOTINGS AND PAVED AREAS SHALL BE PLACED IN 8" LOOSE LAYERS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D 698. ALL OTHER FILL SHALL BE COMPACTED TO 90%.
- HEADINGS: THE HEADINGS CONTAINED IN THESE GENERAL 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.
- 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
SAN	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."
- NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES): IF REQUIRED, 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.
 - 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.
 - 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.
 - 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.
 - 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

- CONTRACTOR SHALL NOTIFY THE CARROLL COUNTY BUREAU OF PERMITS AND INSPECTIONS AT 410-386-2674, AT LEAST ONE DAY PRIOR TO BEGINNING ANY WORK.
- SITE COMPLIANCE INSPECTIONS ARE REQUIRED AT THE FOLLOWING STAGES DURING CONSTRUCTION:
 - PROPOSED STRUCTURES STAKED OUT IN PROPER LOCATIONS AS SHOWN ON THESE PLANS.
 - PROPOSED FOUNDATIONS INSTALLED FOR ALL BUILDINGS SHOWN ON THESE PLANS.
 - SUB-GRADE ESTABLISHED FOR ALL DRIVES, PARKING LOTS, AND SURROUNDING GRADING.
 - COMPLETION OF ALL DRIVES, PARKING LOTS, AND SURROUNDING GRADING.
 - COMPLETION OF ALL WORKS SHOWN ON PLANS.
- CONTRACTOR SHALL NOTIFY CARROLL COUNTY BUREAU OF RESOURCE MANAGEMENT, ENVIRONMENTAL INSPECTION SERVICES DIVISION AT 410-386-2210 PRIOR TO BEGINNING ANY WORK. ALL FOREST CONSERVATION PLAN DEVICES MUST BE IN PLACE PRIOR TO ANY CONSTRUCTION.
- FINAL LANDSCAPING INSPECTION SHALL BE ARRANGED THROUGH BUREAU OF RESOURCE MANAGEMENT ENVIRONMENTAL INSPECTION SERVICES DIVISION AT 410-386-2210 BY THE CONTRACTOR/DEVELOPER OR AGENT. WRITTEN APPROVAL FROM THE LANDSCAPE REVIEW SPECIALIST, BUREAU OF RESOURCE MANAGEMENT, MUST BE OBTAINED FOR ANY DEVIATIONS FROM THE LANDSCAPING OR FOREST CONSERVATION PLANS FOR MODIFICATIONS IN THE PLANT MATERIALS.
- THE CONTRACTOR SHALL NOT PROCEED TO THE NEXT PHASE OF CONSTRUCTION UNTIL GIVEN APPROVAL OF PRIOR PHASES.



MOSELEY ARCHITECTS

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



FRIENDSHIP VALLEY ELEMENTARY SCHOOL PRE-K, KINDERGARTEN & PRIDE SUITE ADDITIONS

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

SITERESOURCES
Civil Design • Geotechnical Engineering
11000 RIVERCHASE DRIVE, SUITE 100
FARMERS BRANCH, GA 30204
PH: (770) 883-3388 WWW.SITERESOURCES.COM

PROJECT NO: 631374
DATE: _____

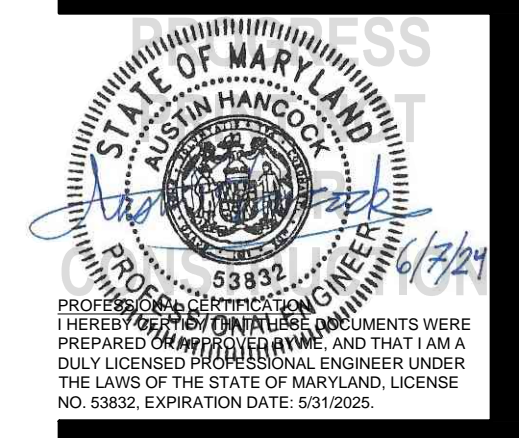
REVISIONS
DATE DESCRIPTION

GENERAL NOTES

COUNTY FILE NUMBER:
S-23-0030

C002

SHEET 2 OF 18



FRIENDSHIP VALLEY ELEMENTARY SCHOOL PRE-K, KINDERGARTEN & PRIDE SUITE ADDITIONS
CARROLL COUNTY PUBLIC SCHOOLS
 1110 GIST ROAD, WESTMINSTER, MD 21157

PROJECT NO: 631374
 DATE: _____
 REVISIONS

DATE	DESCRIPTION

PRE-K-K ADDITION BUILDING ELEVATION

C003
 SHEET 3 OF 18

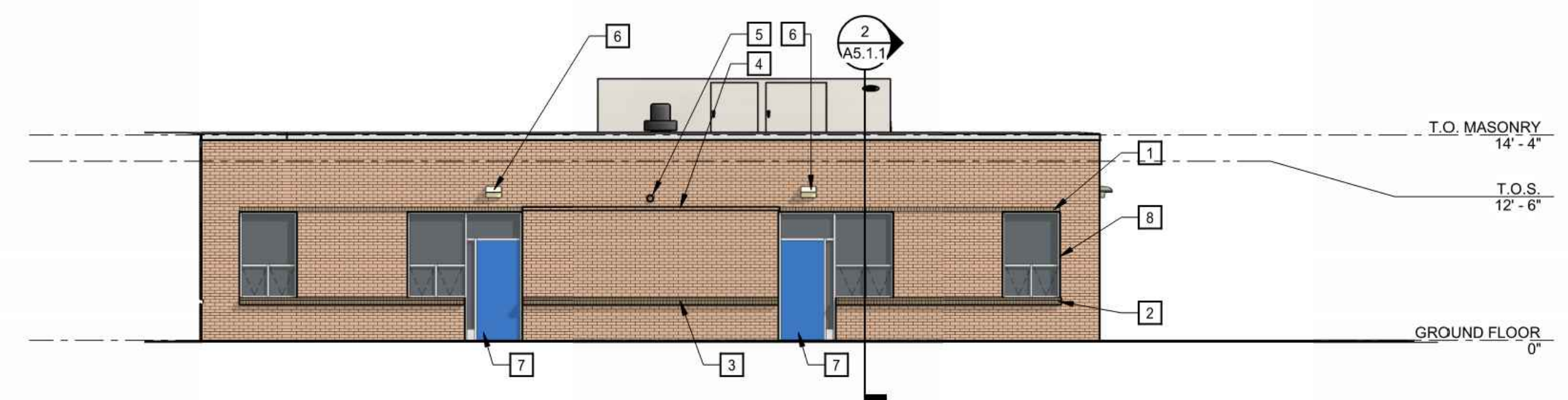
GENERAL NOTES

- A. ALL BRICK IS TO BE BRICK COLOR 1 UNO.
- B. EIFS COLOR AT ADDITIONS TO MATCH ETR EIFS COLOR UNO.

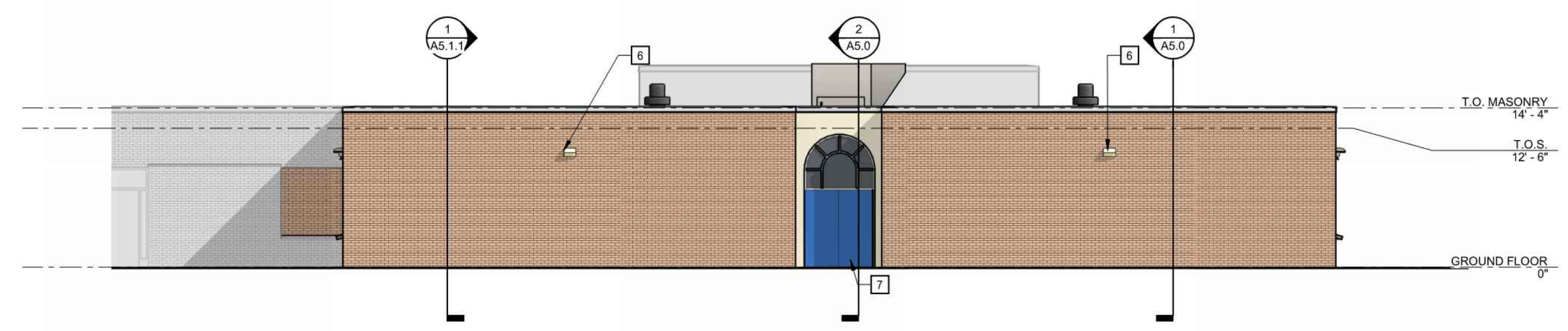
BUILDING ELEVATION KEYNOTES

REPRESENTED BY [A]
 APPLIES TO DRAWINGS A4.1 - A4.3

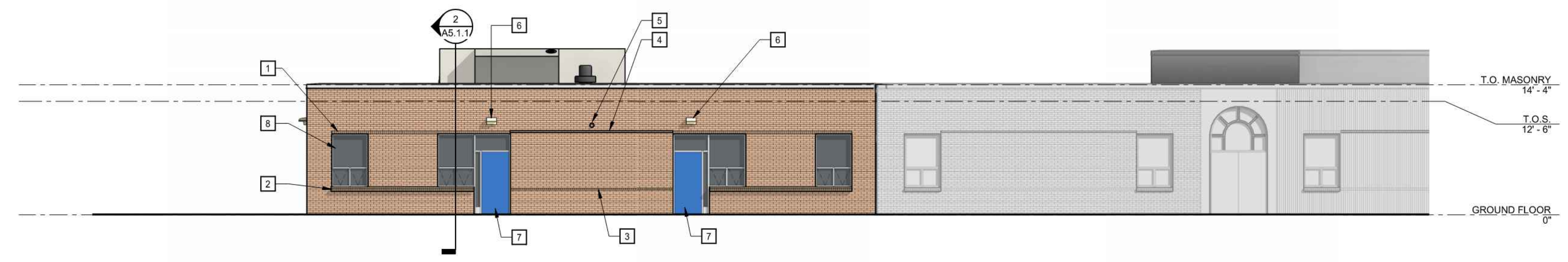
- 1 BRICK SOLDIER COURSE HEADER. MATCH ETR DESIGN HEIGHT.
- 2 BRICK ROWLOCK SILL.
- 3 BRICK SOLDIER COURSE BOND. MATCH ETR DESIGN HEIGHT.
- 4 1" BRCK REVEAL.
- 5 THRU-WALL SCUPPER.
- 6 WALL PACK.
- 7 ALUMINUM DOOR. COLOR: BLUE. COLOR TO MATCH ETR EXTERIOR BLUE DOORS.
- 8 WINDOW FRAME COLOR: ALUMINUM (TYP.).
- 9 EIFS REVEAL. PAINT EIFS ARCH BLUE. BLUE COLOR TO MATCH ETR BLUE EXTERIOR FRAMES.
- 10 ROOF LADDER.
- 11 ALTERNATE #1: STOREFRONT AS SCHEDULED. FRAME COLOR: ALUMINUM.
- 12 ALTERNATE #1: COLOR FILM. ARCHITECT TO SELECT FROM MANUFACTURER'S FULL RANGE OF COLORS.
- 13 ALTERNATE #1: POST SUPPORTED CANOPY. BASIS OF DESIGN: MAPES.
- 14 ALTERNATE #1: 12" TALL ALUMINUM SIGNAGE. COLOR: BLUE. COLOR TO MATCH ETR EXTERIOR DOORS AND FRAMES.
- 15 ALTERNATE #1: EIFS COLOR TO MATCH ALUMINUM STOREFRONT COLOR.
- 16 ALTERNATE #1: STANDING SEAM METAL ROOF.



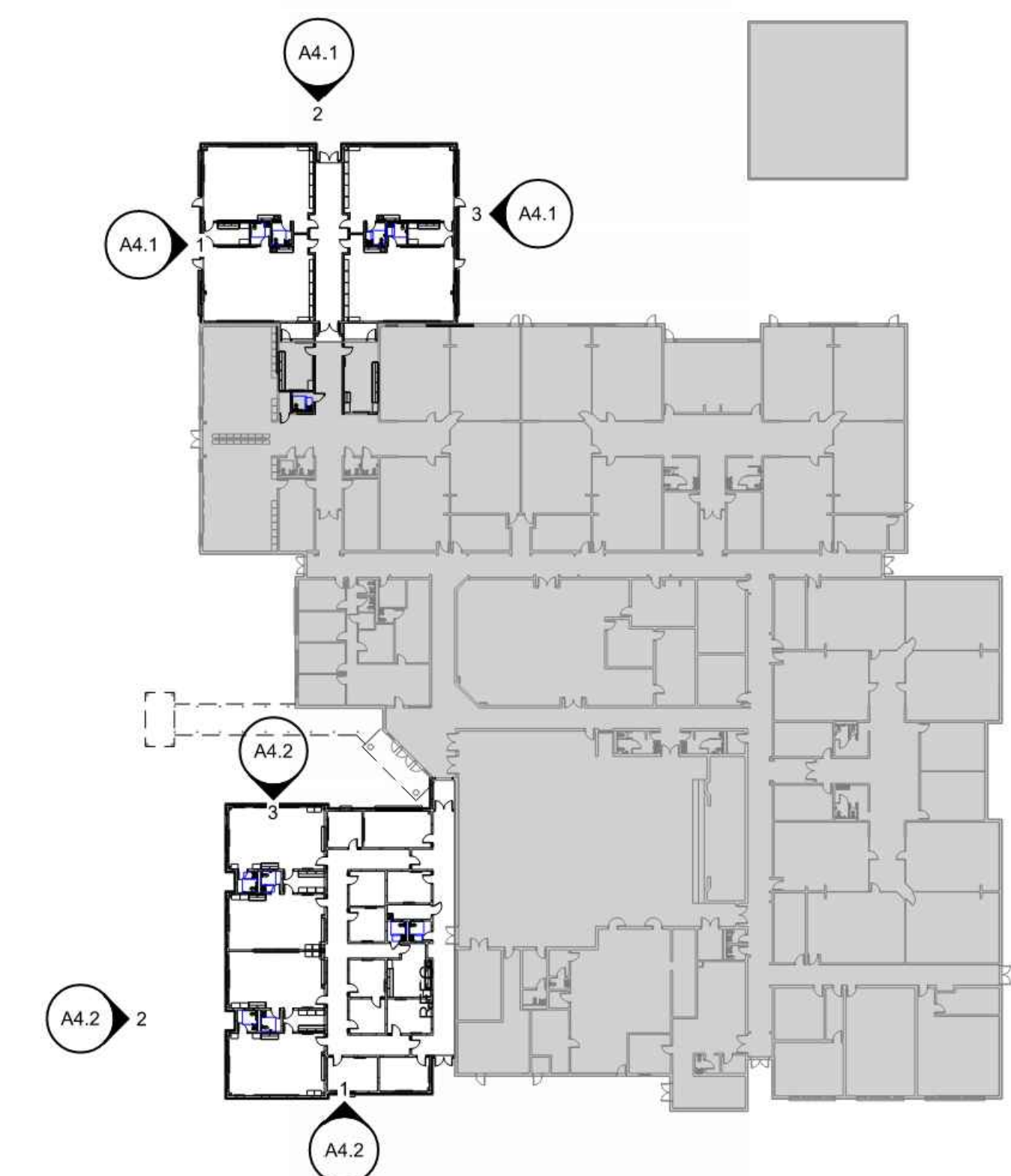
3 CLASSROOM ADDITION - NORTHWEST ELEVATION
 TYP [A4.1] 1/8" = 1'-0"



2 CLASSROOM ADDITION - SOUTHWEST ELEVATION
 TYP [A4.1] 1/8" = 1'-0"

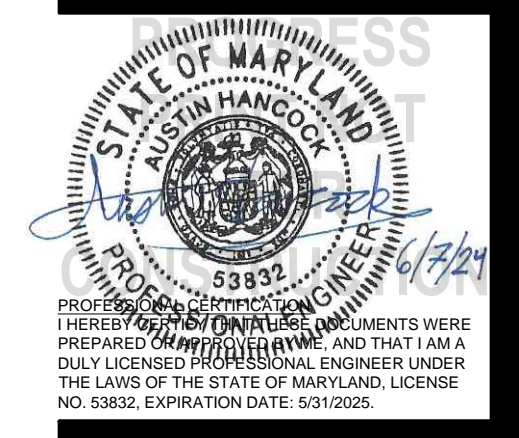


1 CLASSROOM ADDITION - SOUTHEAST ELEVATION
 TYP [A4.1] 1/8" = 1'-0"



KEY PLAN

COUNTY FILE NUMBER:
 S-23-0030



FRIENDSHIP VALLEY ELEMENTARY SCHOOL PRE-K, KINDERGARTEN & PRIDE SUITE ADDITIONS

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

PROJECT NO: 631374
 DATE: _____

REVISIONS	DATE	DESCRIPTION

PRIDE ADDITION BUILDING ELEVATION

C004
 SHEET 4 OF 18

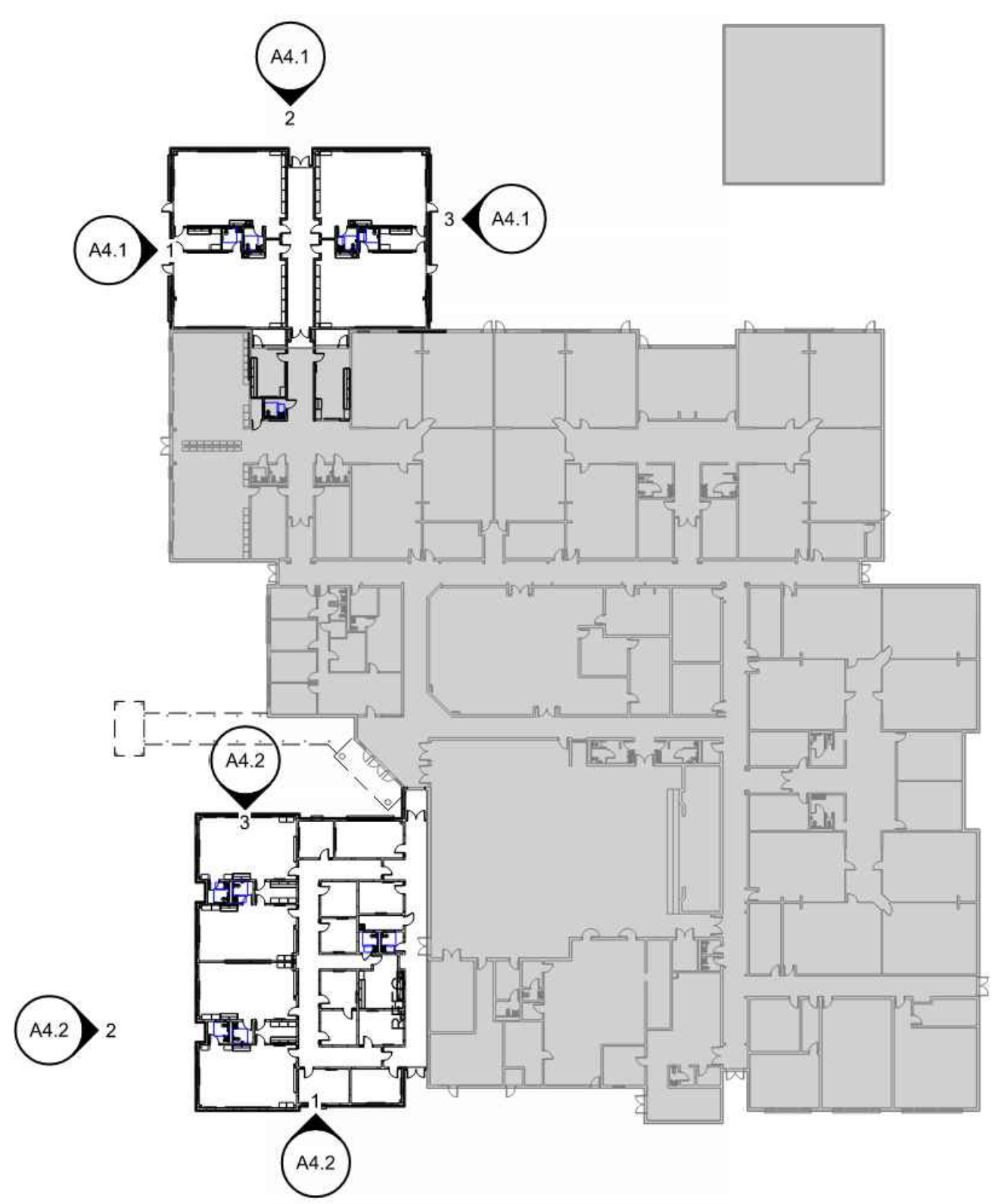
GENERAL NOTES

- A. ALL BRICK IS TO BE BRICK COLOR 1 UNO.
- B. EIFS COLOR AT ADDITIONS TO MATCH ETR EIFS COLOR UNO.

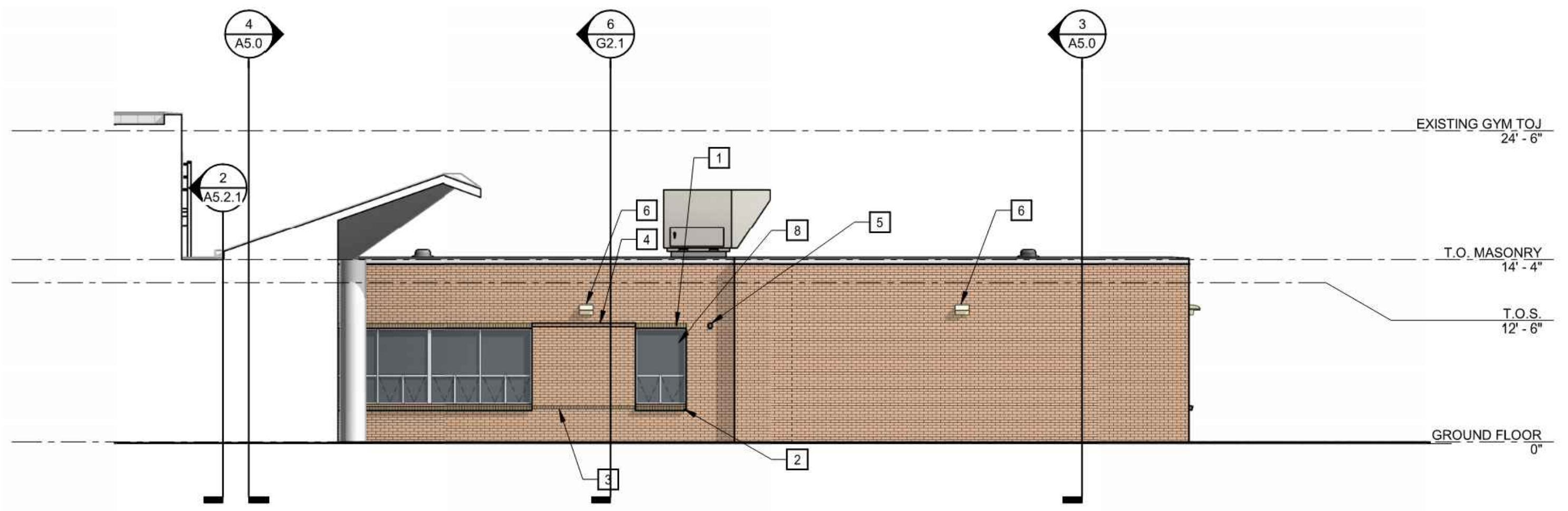
BUILDING ELEVATION KEYNOTES

REPRESENTED BY [n]
 APPLIES TO DRAWINGS A4.1 - A4.3

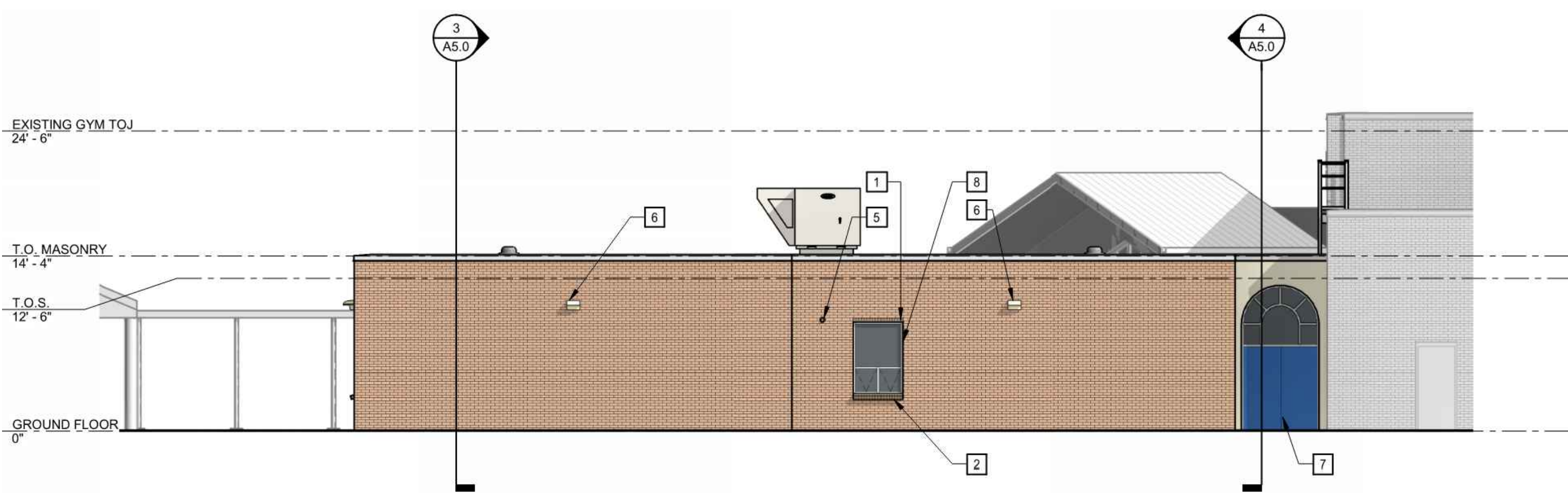
- 1 BRICK SOLDIER COURSE HEADER. MATCH ETR DESIGN HEIGHT.
- 2 BRICK ROWLOCK SILL.
- 3 BRICK SOLDIER COURSE BOND. MATCH ETR DESIGN HEIGHT.
- 4 1" BRCK REVEAL.
- 5 THRU-WALL SCUPPER.
- 6 WALL PACK.
- 7 ALUMINUM DOOR. COLOR: BLUE. COLOR TO MATCH ETR EXTERIOR BLUE DOORS.
- 8 WINDOW FRAME COLOR: ALUMINUM (TYP.).
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- 15 ALTERNATE #1: EIFS COLOR TO MATCH ALUMINUM STOREFRONT COLOR.
- 16 ALTERNATE #1: STANDING SEAM METAL ROOF.



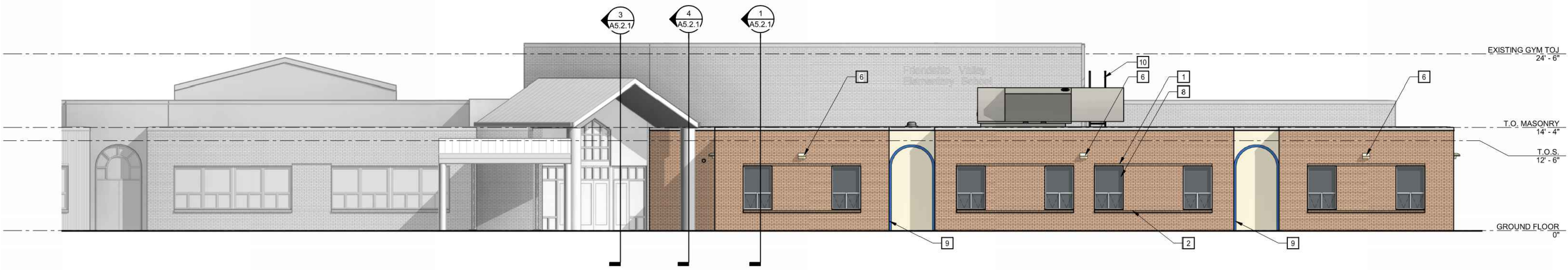
KEY PLAN



3 PRIDE ADDITION - SOUTHWEST ELEVATION
 TYP A4.2 1/8" = 1'-0"



1 PRIDE ADDITION - NORTHEAST ELEVATION
 TYP A4.2 1/8" = 1'-0"



2 PRIDE ADDITION - SOUTHEAST ELEVATION
 TYP A4.2 1/8" = 1'-0"

COUNTY FILE NUMBER:
 S-23-0030

STORM DRAIN STRUCTURE DATA:				
1	SD MANHOLE	TOP	770.46	
	18" RCP	INVERT IN	760.61	NW
	15" RCP	INVERT IN	765.76	N
	18" RCP	INVERT OUT	760.43	SW
2	SD INLET	TOP	770.59	
	4" PL	INVERT IN	768.00	W
	15" RCP	INVERT OUT	766.71	S
3	SD INLET	TOP	769.41	
	6" PL	INVERT IN	766.86	SW
	6" PL	INVERT IN	766.15	W
	6" PL	INVERT IN	767.23	NW
	15" RCP	INVERT IN	765.80	N
	15" RCP	INVERT OUT	762.32	SE
4	SD INLET	TOP	768.38	
	15" RCP	INVERT OUT	764.46	W
5	SD MANHOLE	TOP	768.86	
	15" RCP	INVERT IN	761.80	NW
	18" RCP	INVERT IN	759.24	NE
	15" RCP	INVERT IN	763.84	E
	18" RCP	INVERT OUT	758.88	SW
6	SD MANHOLE	TOP	770.29	
	12" PL	INVERT IN	763.28	NW
	18" RCP	INVERT IN	758.18	NE
	18" RCP	INVERT OUT	757.97	SW
7	SD MANHOLE	TOP	768.29	
UNABLE TO OPEN TO OBTAIN INVERTS				
8	SD MANHOLE	TOP	763.27	
	21" RCP	INVERT IN	757.17	SW
	21" RCP	INVERT IN	755.38	NW
	24" RCP	INVERT OUT	755.04	SE
9	SD INLET	TOP	770.03	
	15" RCP	INVERT IN	766.24	NE
	15" RCP	INVERT OUT	766.16	S
10	SD INLET	TOP	770.06	
	15" RCP	INVERT IN	766.11	N
	15" RCP	INVERT OUT	765.77	SE
11	SD INLET	TOP	770.80	
	12" RCP	INVERT IN	764.25	SW
	12" RCP	INVERT OUT	764.19	NE
12	SD INLET	TOP	770.82	
	15" RCP	INVERT IN	765.35	NW
STRUCTURE SURCHARGED WITH WATER. NO ADDITIONAL PIPES VISIBLE.				

SANITARY STRUCTURE DATA:				
A	SS MANHOLE	TOP	770.26	
	8" PL	INVERT IN	760.93	SW
	8" PL	INVERT OUT	760.81	NE
B	SS MANHOLE	TOP	771.74	
	8" PL	INVERT IN	758.57	SW
	8" PL	INVERT IN	758.71	NW
	8" PL	INVERT OUT	758.55	E

SURVEY NOTES

COORDINATES SHOWN HEREON ARE BASED ON THE MARYLAND COORDINATE SYSTEM, NAD 83-2011, AS ESTABLISHED BY GPS OBSERVATION. THE COMBINED FACTOR IS 0.99997699.

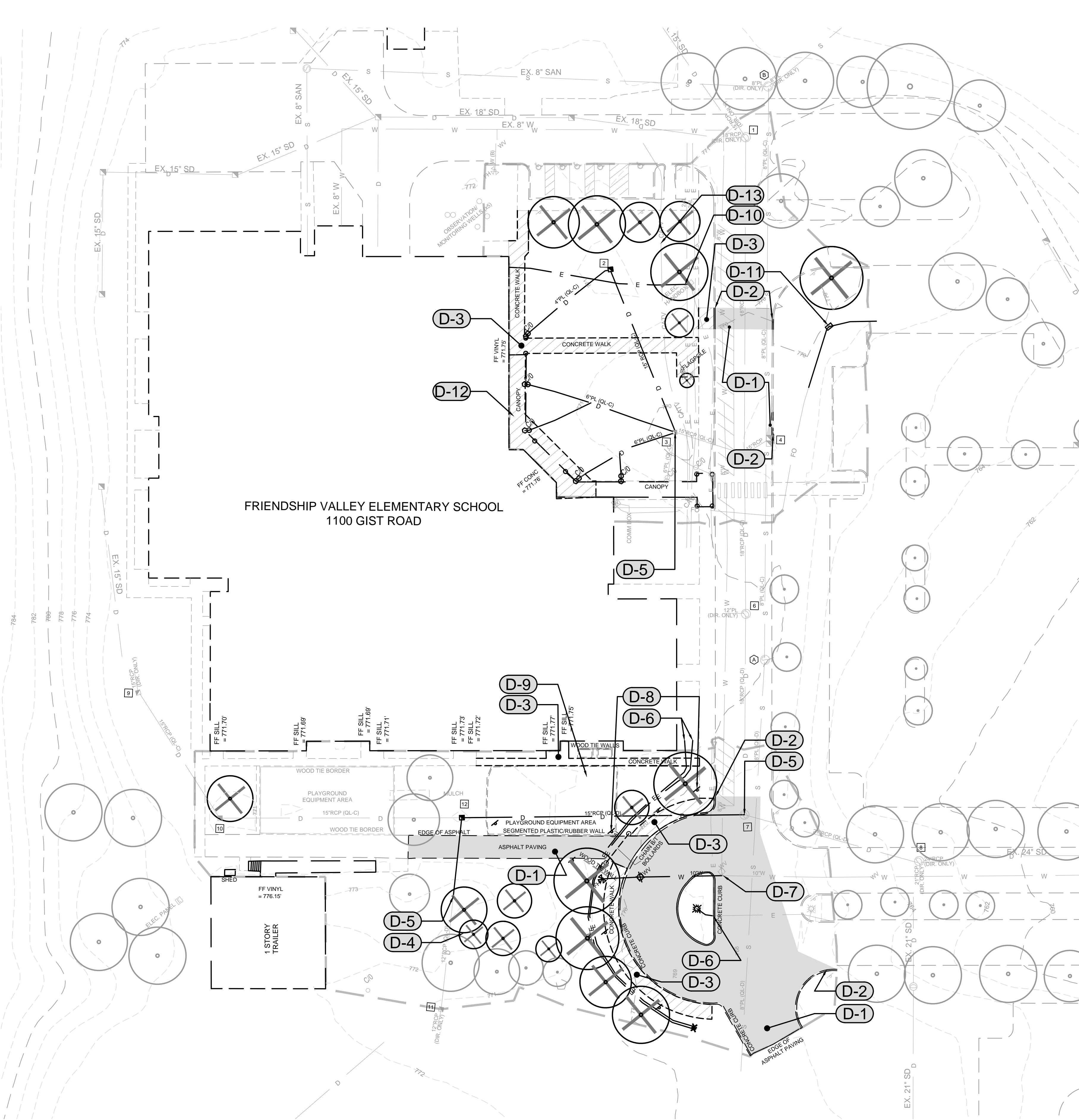
ELEVATIONS AND CONTOURS SHOWN HEREON ARE BASED ON THE NAVD-88 VERTICAL DATUM.

ALL VISIBLE UTILITIES HAVE BEEN LOCATED. NO COMPARISON TO ANY PLANS HAS BEEN MADE. PIPE SIZE, TYPE AND DIRECTION MUST BE VERIFIED BEFORE CONSTRUCTION.

SITE CONTROL COORDINATE TABLE				
PT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	683874.4340	1311078.5690	767.88	TR B+C
3	683938.7520	1310827.2670	774.07	TR B+C SET
10	684120.0030	1311259.6090	769.42	TR NS
11	684157.7050	1310906.7020	771.04	TR NS
102	684254.9300	1311360.4430	770.94	TR B+C SET GPS
2404	684043.1920	1311057.0030	772.16	TR NS FLY

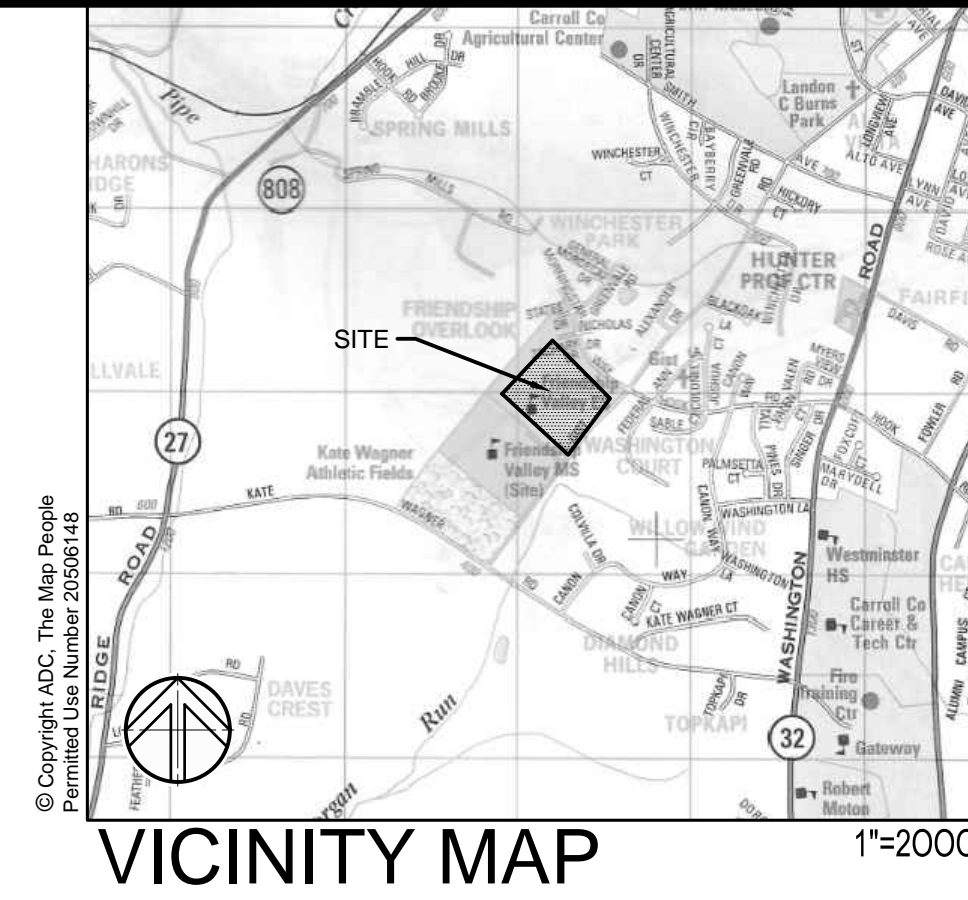
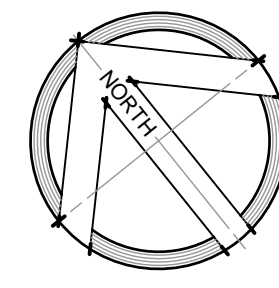
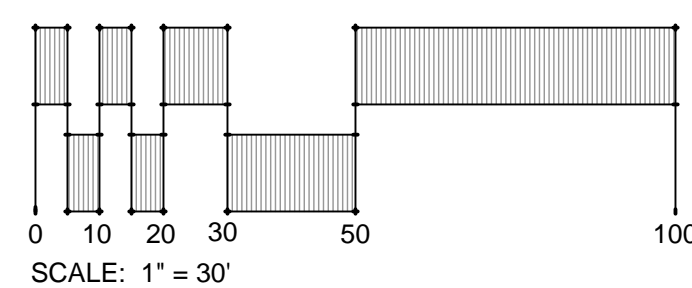
PHASING NOTE

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



DEMOLITION NOTES

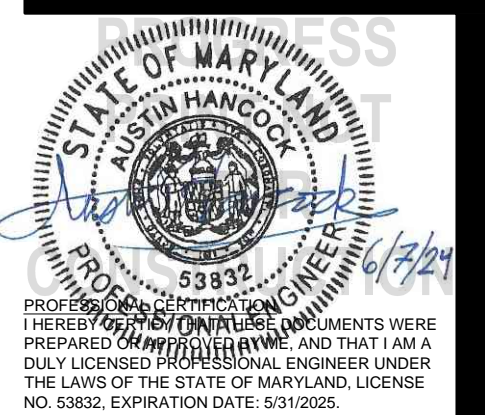
- D-1** SAW CUT AT LIMITS SHOWN AND REMOVE ASPHALT PAVING AND BASE MATERIAL.
- D-2** SAW CUT AT LIMITS SHOWN AND REMOVE CURB AND BASE MATERIAL.
- D-3** REMOVE EXISTING CONCRETE SIDEWALK TO THE NEAREST JOINT. SAW CUT CLEANLY AT LIMIT OF REMOVAL.
- D-4** REMOVE TREES, STUMPS AND MAJOR ROOTS. REPLACE WITH APPROVED COMPACTED FILL (TYP).
- D-5** LIMIT OF STORM DRAIN REMOVAL.
- D-6** REMOVE BGE PRIMARY SERVICE AS NECESSARY FOR CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH BGE.
- D-7** LIMIT OF WATER REMOVAL.
- D-8** SALVAGE SIGN AND STORE ON SITE FOR REINSTALLATION AT OWNER'S DISCRETION.
- D-9** REMOVE PLAYGROUND, EQUIPMENT AREA, AND ANY BASE MATERIAL.
- D-10** REMOVE CONDUIT FOR SITE LIGHTING TO NEAREST HANDBOX. CONTRACTOR SHALL COORDINATE WITH CCPS.
- D-11** REMOVE FIBER OPTIC LINE AND HANDBOX AS REQUIRED FOR RELOCATION. CONTRACTOR SHALL COORDINATE WITH CCPS.
- D-12** REMOVE CANOPY AS SHOWN ON ARCHITECTURAL PLANS. PROTECT EXISTING CANOPY TO REMAIN.
- D-13** CONTRACTOR TO COORDINATE RELOCATION OF CATV WITH SERVICE PROVIDER.



LEGEND

- PROPERTY LINE
- TOPO SURVEY LIMITS
- EXISTING BUILDING TO REMAIN
- EXISTING WALK TO BE REMOVED
- EXISTING WALK TO REMAIN
- EXISTING ROAD TO REMAIN
- EXISTING CURB TO REMAIN
- EXISTING CURB TO BE REMOVED
- EXISTING ASPHALT PAVING TO BE REMOVED
- EXISTING CONCRETE PAVING TO BE REMOVED
- EXISTING FLAGPOLE TO BE REMOVED
- EXISTING SIGN TO REMAIN
- EXISTING SIGN TO BE REMOVED
- EXISTING TREES TO REMAIN
- EXISTING TREES TO BE REMOVED
- EX. 15" SD TO REMAIN
- EX. 15" SD TO BE REMOVED
- EX. 6" W TO REMAIN
- EX. 6" W TO BE REMOVED
- EX. 8" SAN TO REMAIN
- EX. ELEC TO REMAIN
- EX. ELEC TO BE REMOVED
- EXISTING LIGHTING TO REMAIN
- EXISTING LIGHTING TO BE REMOVED
- EX. CATV TO REMAIN
- EX. FO TO REMAIN
- EX. FO TO BE REMOVED
- EX. TELE TO REMAIN
- EXISTING CONTOURS

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



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

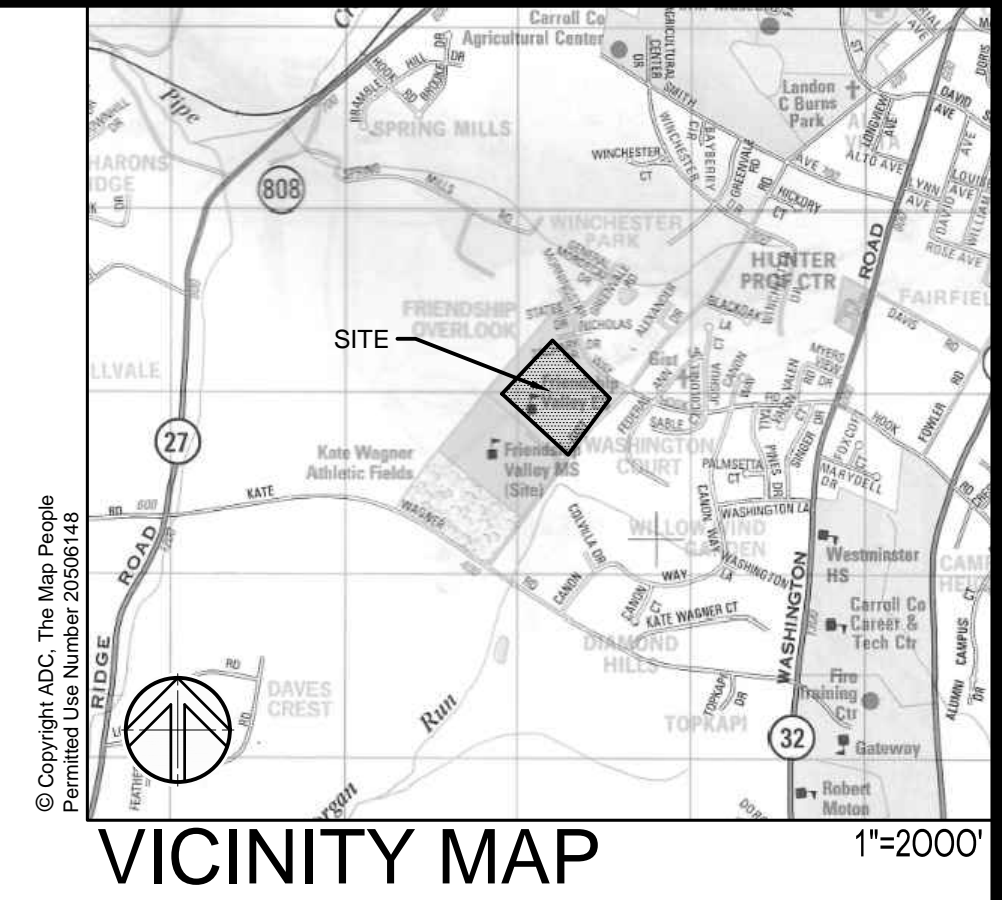
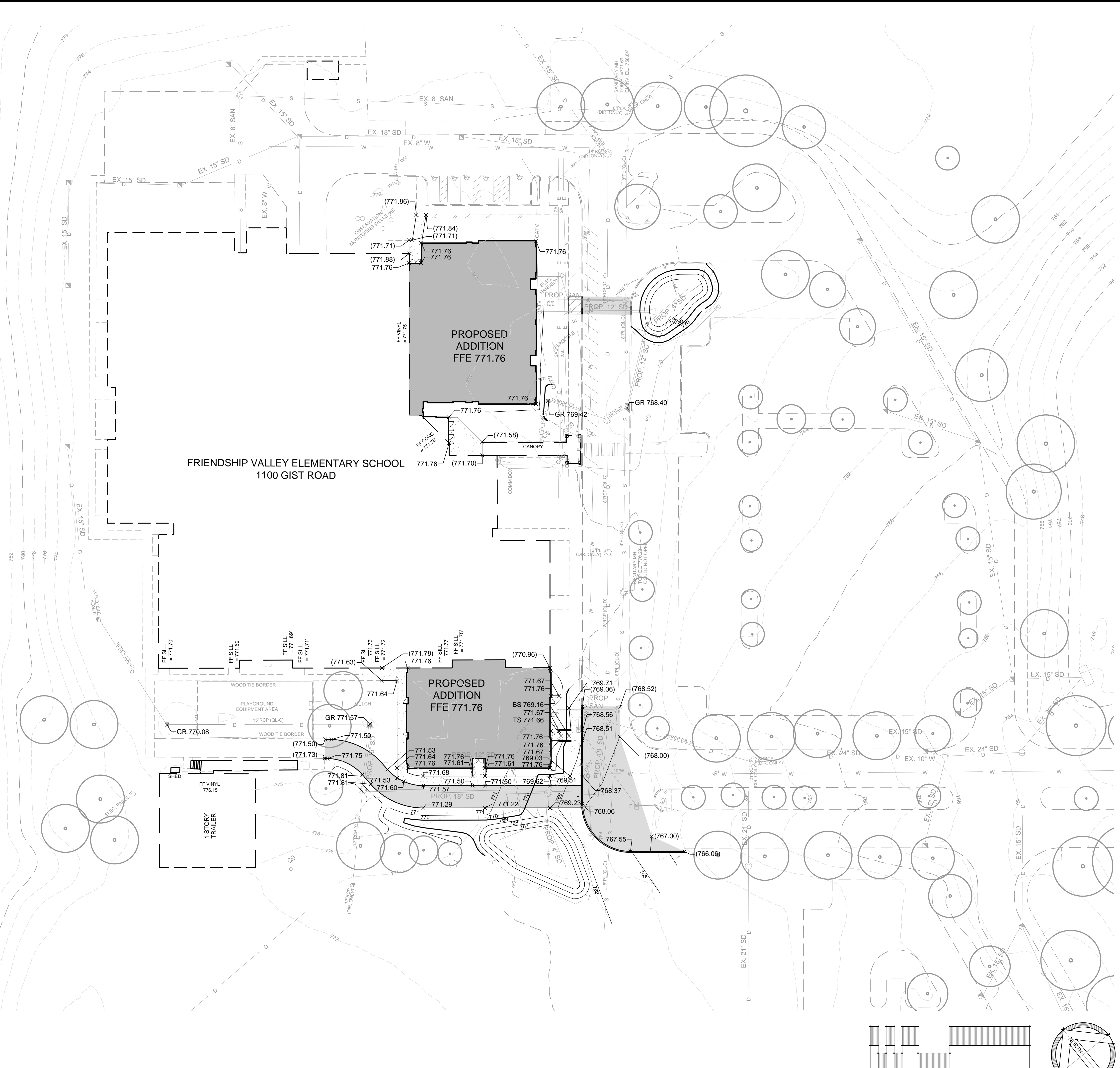
PROJECT NO.:	631374
DATE:	
REVISIONS:	
DATE:	DESCRIPTION

REVISIONS:	
DATE:	DESCRIPTION

EXISTING CONDITIONS & DEMOLITION PLAN

C101
 SHEET 5 OF 18

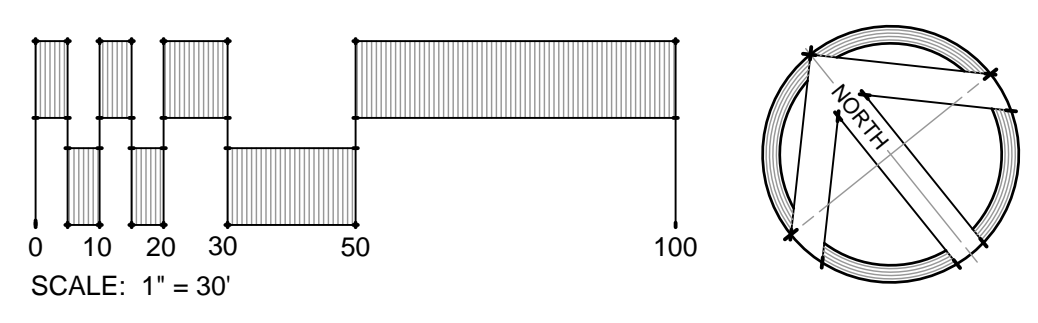
© SITE RESOURCES, INC. Z:\23023033-CCPS FRIENDSHIP VALLEY ES04-DWG\C101 EXISTING CONDITIONS AND DEMOLITION PLAN.DWG 6/5/2024 10:53 AM bam



LEGEND

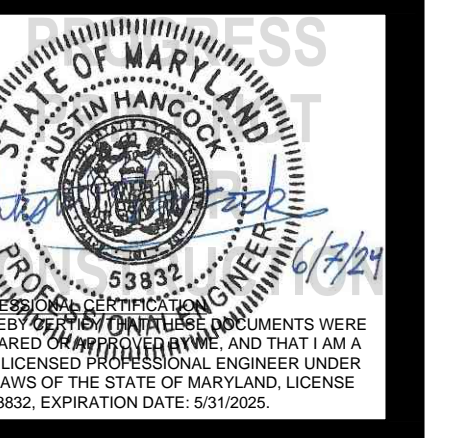
	PROPERTY LINE
	EXISTING BUILDING
	EXISTING WALK
	EXISTING ROAD
	EXISTING CURB
	EXISTING TREES
	EXISTING SHRUBS
	EX. 15" SD
	EX. 6" W
	EX. 8" SAN
	EX. TELE
	EX. ELEC
	EX. ELEC OHW
	EXISTING LIGHTING
	EXISTING CONTOURS
	PROPOSED BUILDING
	PROPOSED BUILDING OVERHANG
	PROPOSED SIDEWALK
	PROPOSED BITUMINOUS PAVING
	PROPOSED CURB
	PROPOSED FENCE
	PROPOSED SIGN
	PROPOSED FLAGPOLE
	PROP. 15" SD
	PROP. 6" WATER
	PROP. 6" SAN
	PROPOSED CONTOURS

GENERAL NOTES:
 1. UNLESS OTHERWISE NOTED, SPOT ELEVATIONS AT CURBS ARE FOR BOTTOM OF CURB.



COUNTY FILE NUMBER:
S-23-0030

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



FRIENDSHIP VALLEY ELEMENTARY SCHOOL PRE-K, KINDERGARTEN & PRIDE SUITE ADDITIONS

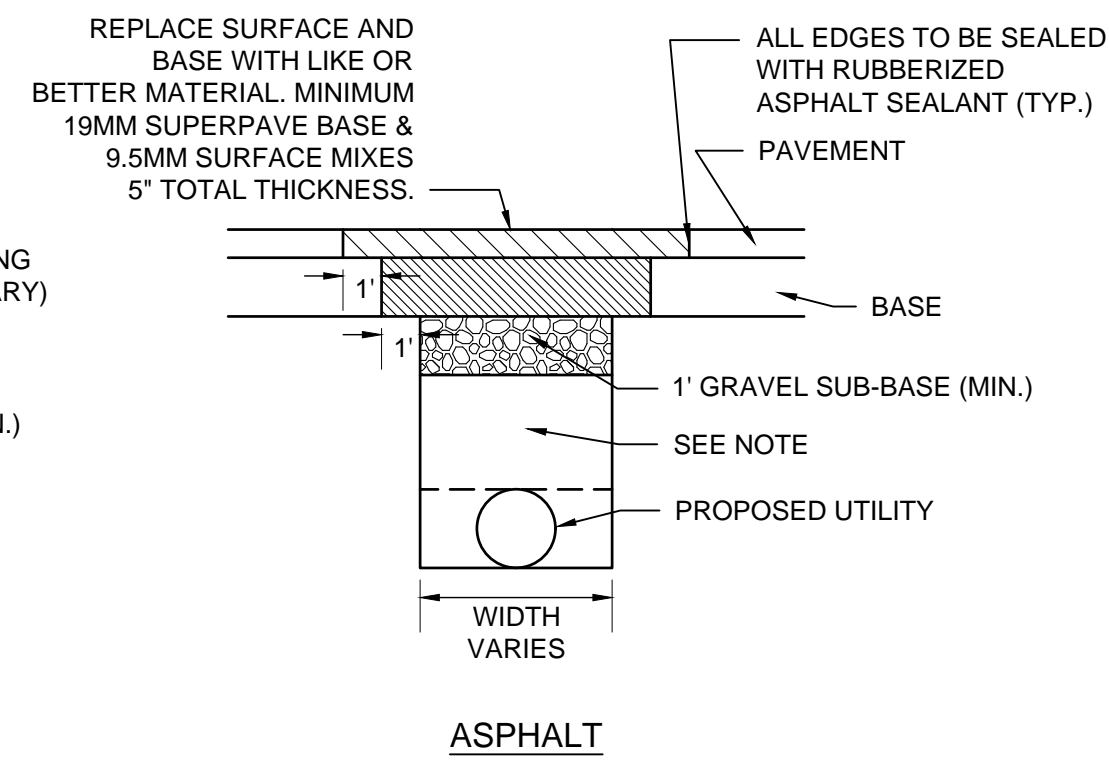
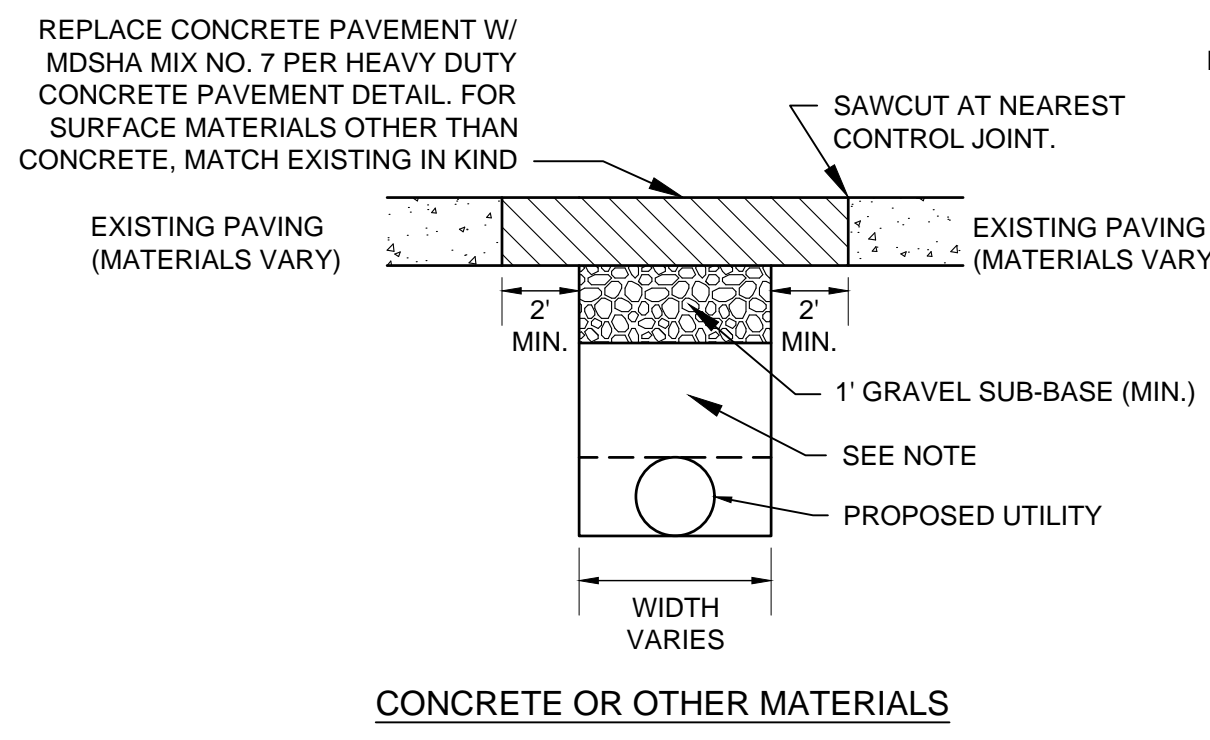
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CARROLL COUNTY PUBLIC SCHOOLS
 1110 GIST ROAD, WESTMINSTER, MD 21157

PROJECT NO. 631374	DATE:
REVISIONS	DESCRIPTION

GRADING PLAN

C131
 SHEET 7 OF 18

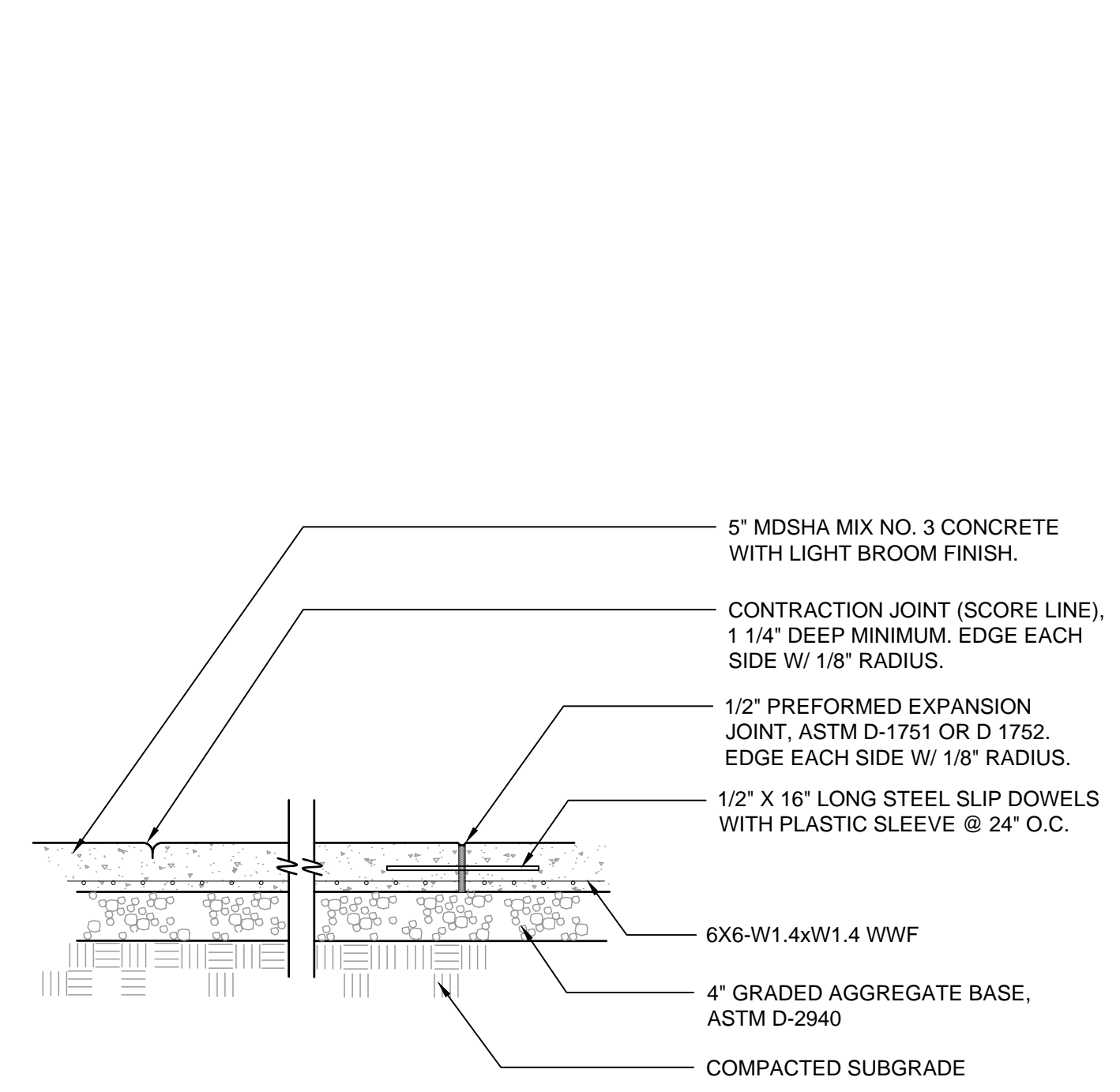


NOTE:
BACKFILL IN TRENCHES SHALL BE IN ACCORDANCE WITH MDSHA SPECIFICATIONS AND SHALL BE THOROUGHLY COMPACTED IN 6" LAYERS FOR THE FULL DEPTH OF THE TRENCHES BY TAMPING OR BY SOME OTHER APPROVED METHOD TO WITHIN 1" OF THE TOP OF SUBGRADE. THE REMAINING DEPTH OF THE TRENCH SHALL BE FILLED WITH THOROUGHLY COMPACTED CRUSHED STONE, SLAG OR GRAVEL. WHENEVER SHEETING OR SHORING IS REQUIRED TO PREVENT CAVE-INS OR BELLING DUE TO THE DEPTH OF THE TRENCH OR TYPE OF MATERIAL ENCOUNTERED, THE SHEETING, WHEREVER FOUND NECESSARY, SHALL REMAIN IN PLACE BUT CUT OFF 1" BELOW THE BOTTOM OF THE REPLACED SURFACING. ALL BACKFILL REPLACED SHALL BE COMPACTED TO AT LEAST 95% OF MAXIMUM DENSITY IN ACCORDANCE WITH MDSHA SPECIFICATIONS AND CERTIFIED BY AN APPROVED GEOTECHNICAL TESTING CONTRACTOR. IN LIEU OF CONTROLLED FILL, FLOWABLE FILL IN ACCORDANCE WITH MDSHA SPECIFICATIONS MAY BE UTILIZED.



1 UTILITY TRENCH PAVING RESTORATION

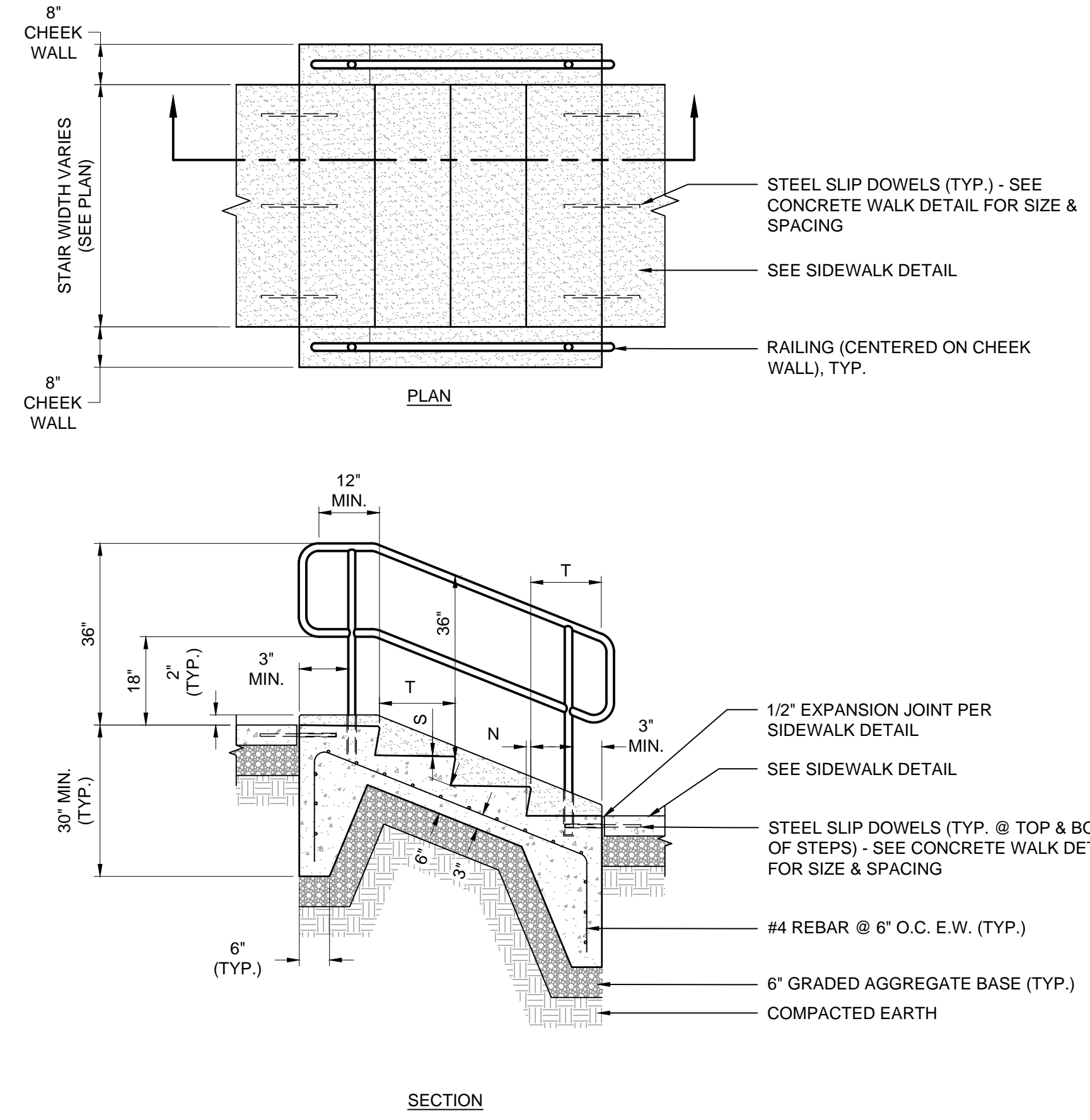
NOT TO SCALE



- 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.

2 CONCRETE SIDEWALK

NOT TO SCALE



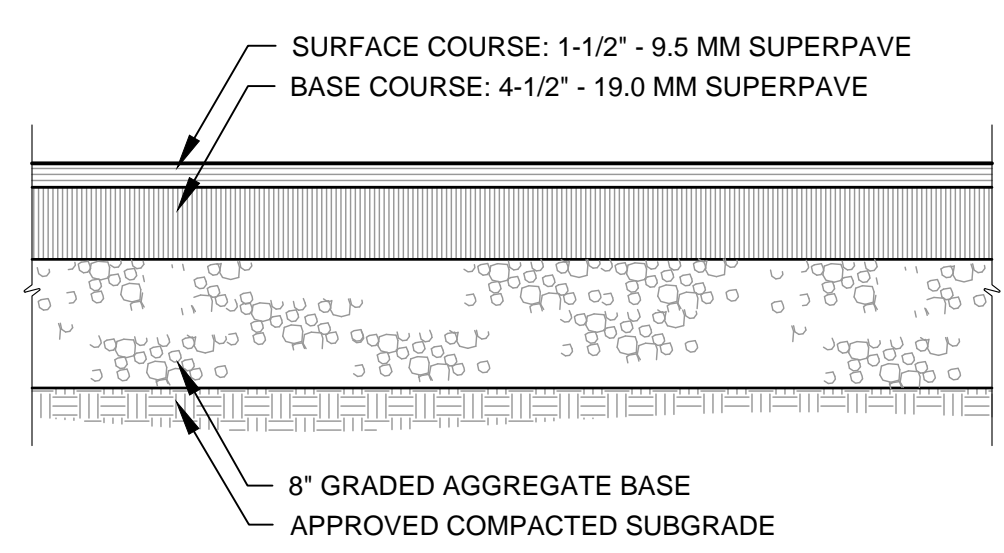
RISER (R)	TREAD (T)	SLOPE (S)	OVERHANG (N)
6	15	1/4	1

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 MDSHA 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.

3 CONCRETE STAIRS

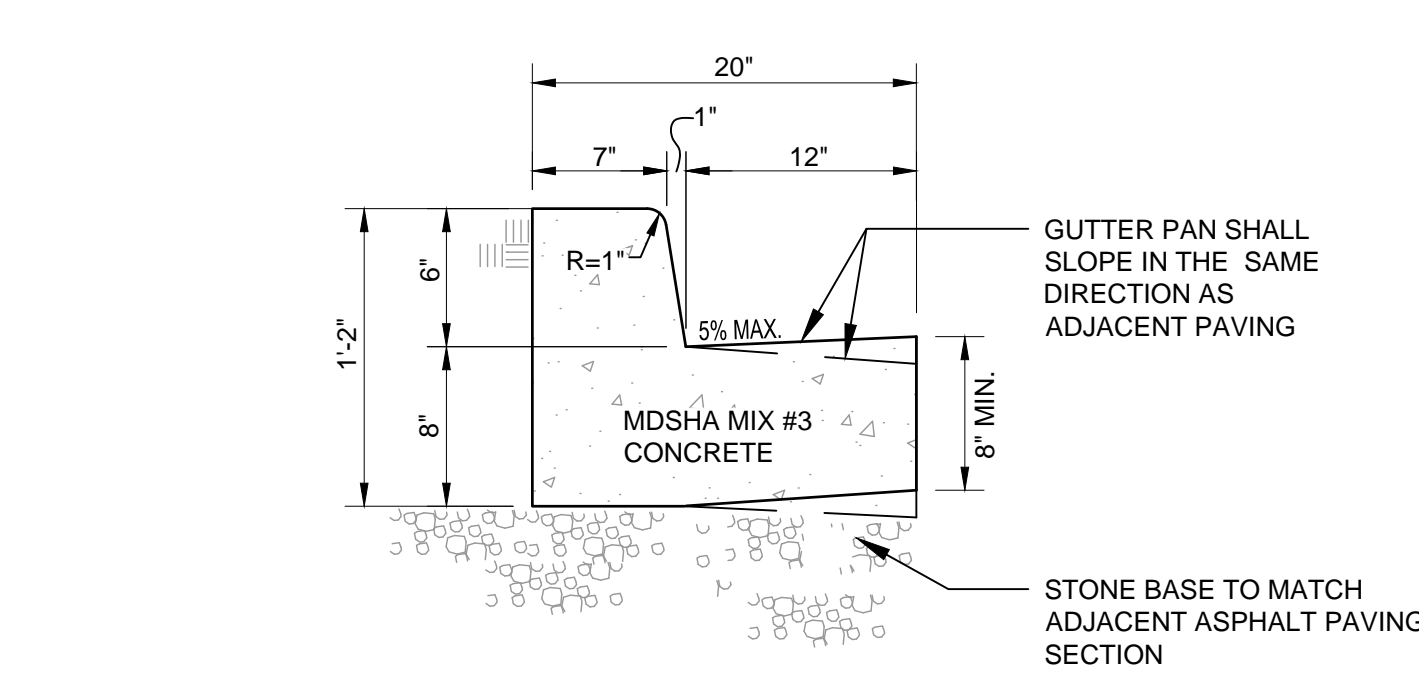
NOT TO SCALE



- NOTES:**
1. A REPRESENTATIVE FROM THE ON-SITE GEO-TECHNICAL ENGINEER SHALL OBSERVE AND TEST ANY COMPACTED FILL TO BE USED FOR PAVEMENT SUPPORT, AND OBSERVE ANY PROOFROLLING OPERATIONS OF PAVEMENT SUBGRADES.

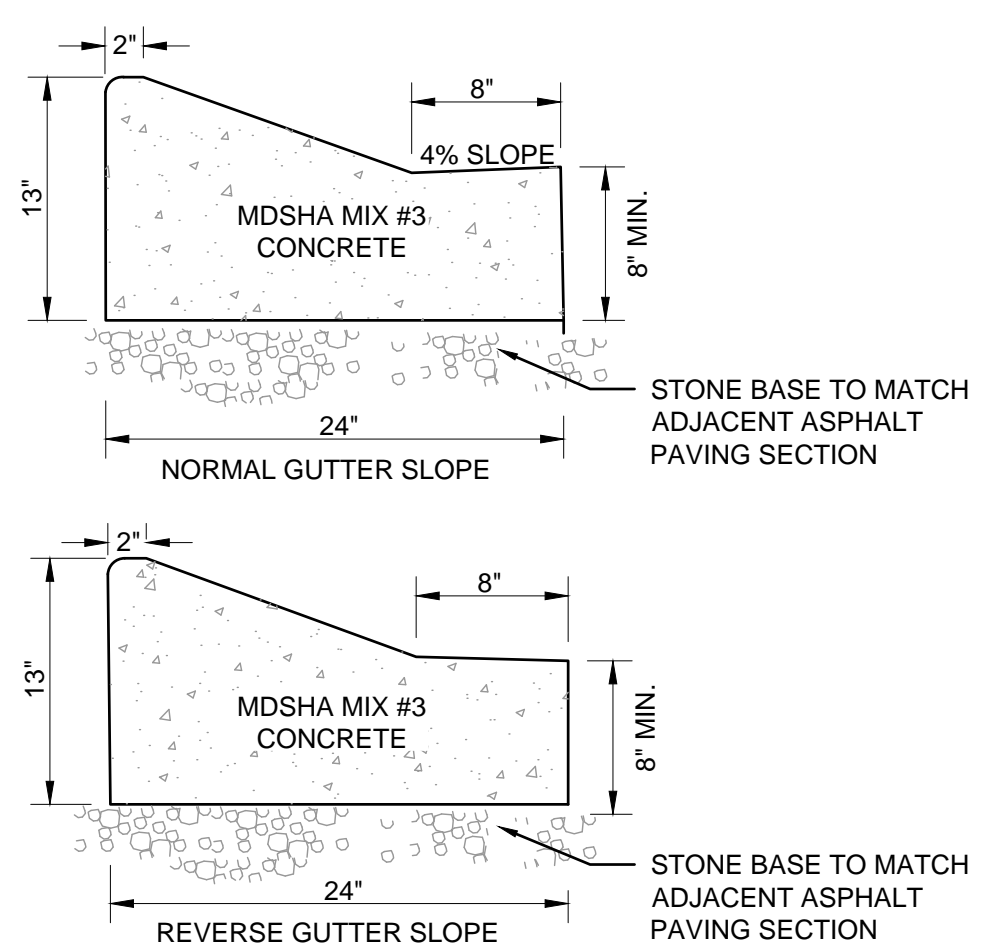
5 HEAVY-DUTY HOT MIX ASPHALT PAVING

NOT TO SCALE



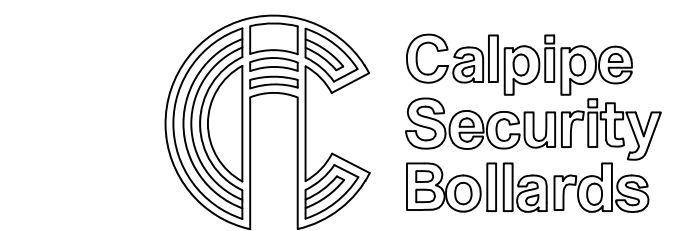
6 CONCRETE CURB

NOT TO SCALE



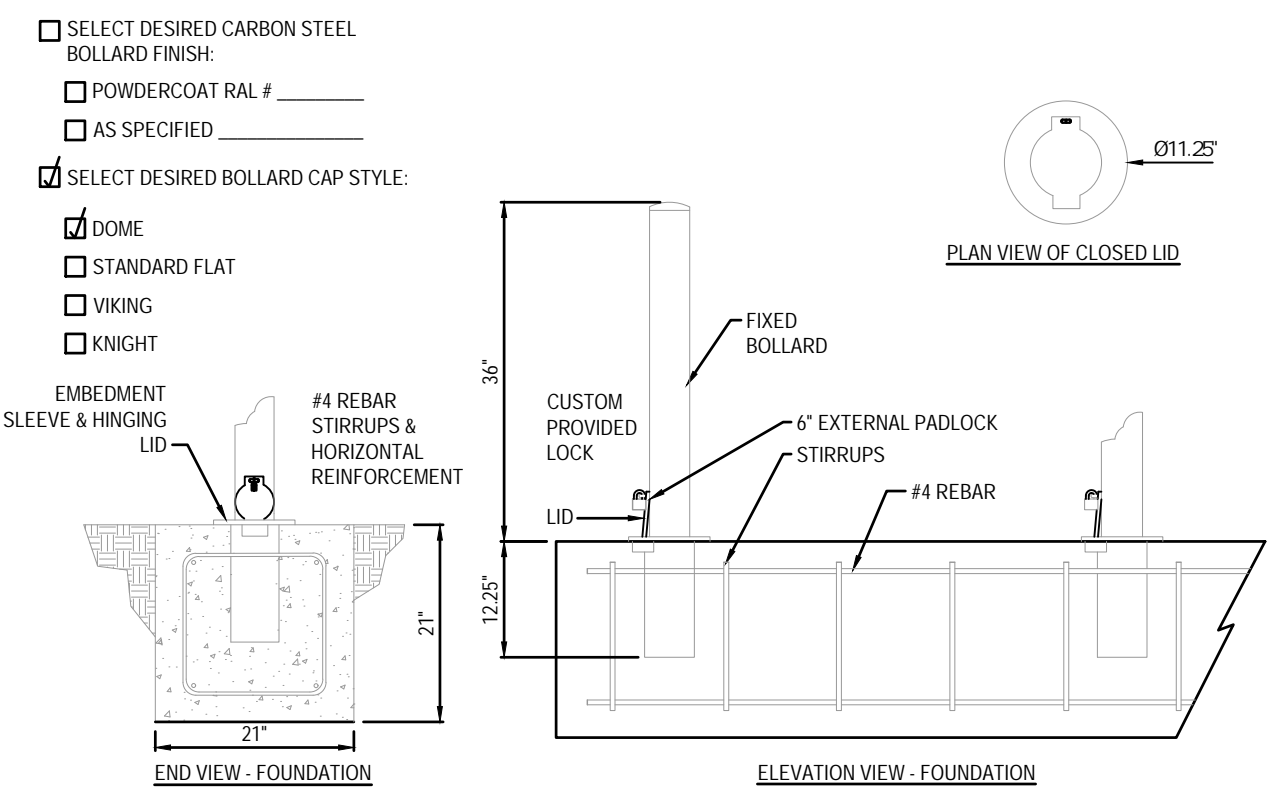
7 MOUNTABLE CONCRETE CURB DETAIL

NOT TO SCALE



CALPIPE SECURITY BOLLARDS
12160 WOODRUFF AVE.
DOWNEY, CA 90241
TOLL FREE: 1-877-283-8518
PHONE: (562) 803-4388
FAX: (562) 803-9883
www.calpipebollards.com

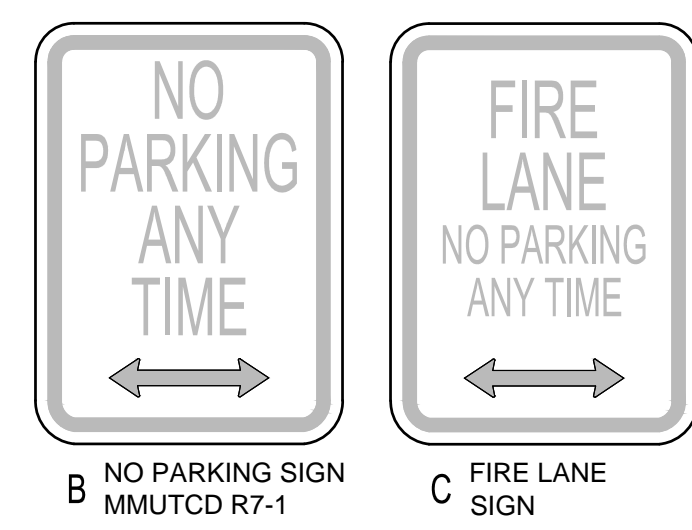
- SELECT DESIRED BOLLARD MATERIAL (6" NOMINAL SIZE):**
- SSP06000 SCH 10 STAINLESS STEEL
 - SSP06040 SCH 40 STAINLESS STEEL
 - SSP06080 SCH 80 STAINLESS STEEL
 - BP06040 SCH 40 ASTM A-53 CARBON STEEL
 - BP06080 SCH 80 ASTM A-53 CARBON STEEL
- SELECT DESIRED CARBON STEEL BOLLARD FINISH:**
- POWDERCOAT RAL # _____
 - AS SPECIFIED
- SELECT DESIRED BOLLARD CAP STYLE:**
- DOME
 - STANDARD FLAT
 - VIKING
 - KNIGHT



- NOTES:**
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 2. DO NOT SCALE DRAWING.
 3. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
 4. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADbollards.com/info AND ENTER REFERENCE NUMBER 2905-031.

4 REMOVABLE STEEL BOLLARD DETAIL

NOT TO SCALE



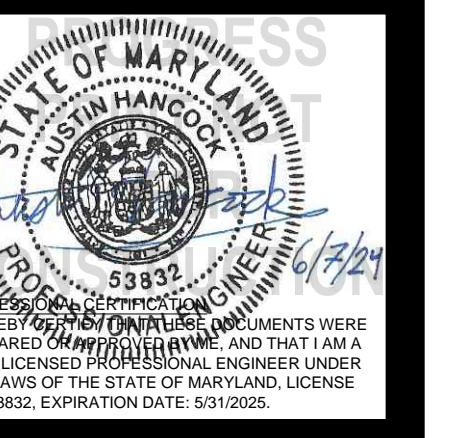
- NOTES:**
1. SIGNS SHALL COMPLY WITH APPLICABLE MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES GUIDELINES.
 2. PROVIDE SHOP DRAWINGS OF SIGN LAYOUTS. FINAL SIGN LAYOUT TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO ORDERING AND INSTALLATION.

8 TRAFFIC SIGNAGE

NOT TO SCALE

COUNTY FILE NUMBER:
S-23-0030

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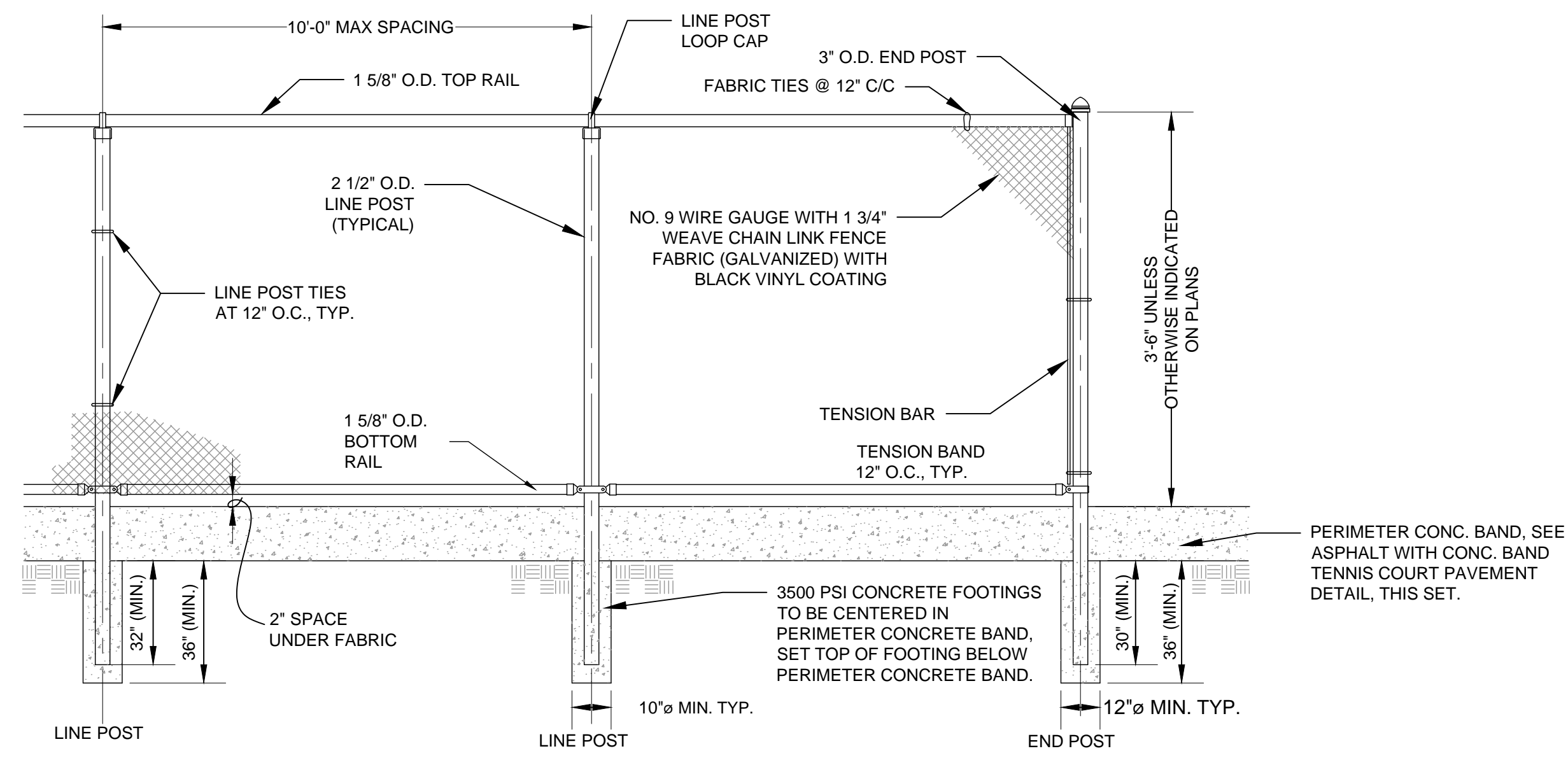


FRIENDSHIP VALLEY ELEMENTARY SCHOOL PRE-K, KINDERGARTEN & PRIDE SUITE ADDITIONS
CARROLL COUNTY PUBLIC SCHOOLS
1110 GIST ROAD, WESTMINSTER, MD 21157

PROJECT NO: 631374
DATE: _____

REVISIONS	DESCRIPTION
DATE	DESCRIPTION

SITE DETAILS
C201
SHEET 8 OF 18

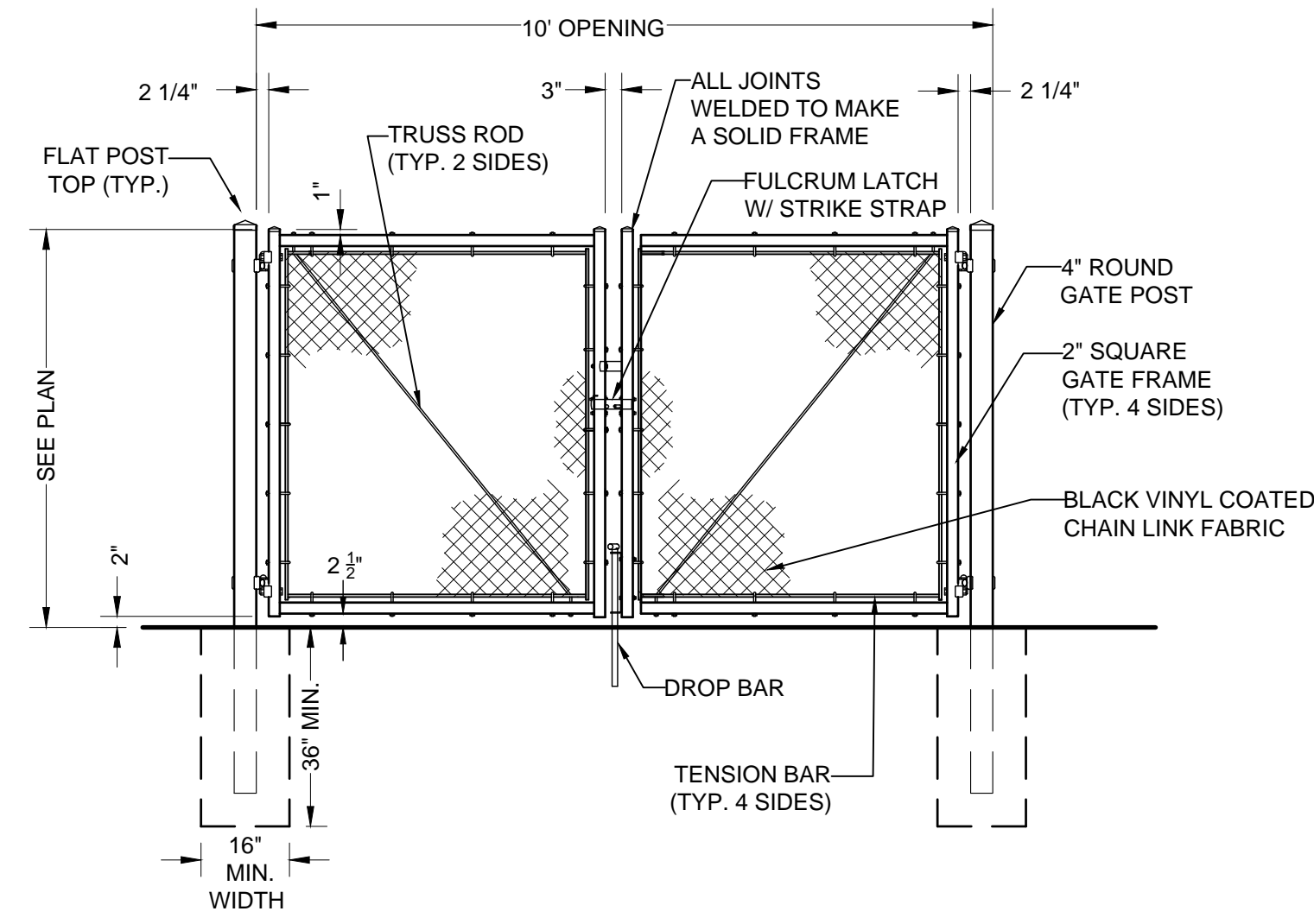


NOTES

1. MATERIALS TO MEET REQUIREMENTS OF AASHTO M 181.
2. FENCE FABRIC TO BE 1 3/4" WEAVE VINYL COATED CHAIN LINK, 11 GAUGE GALVANIZED WIRE DIAMETER PRIOR TO VINYL COATING. COLOR OF VINYL: BLACK. INSTALL FENCE FABRIC ON COURT SIDE OF POSTS AND RAILS.
3. FENCING AT GRADE CHANGES TO BE IN ACCORDANCE WITH MSHA STANDARD MD-690.02.
4. ALL LINE POST, TERMINAL POST, RAILS, CAPS AND HARDWARE TO BE SCHEDULE 40 AND HAVE A BLACK POWDER COAT FINISH.

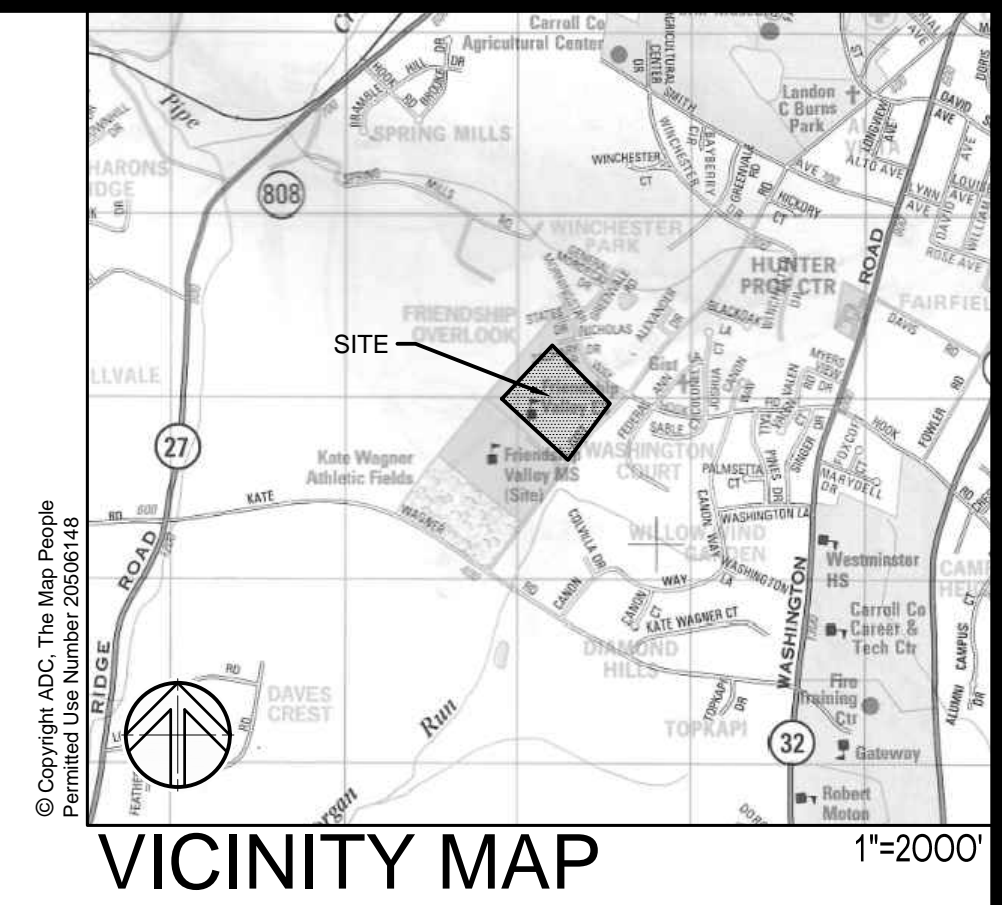
1 CHAIN LINK FENCE

NOT TO SCALE



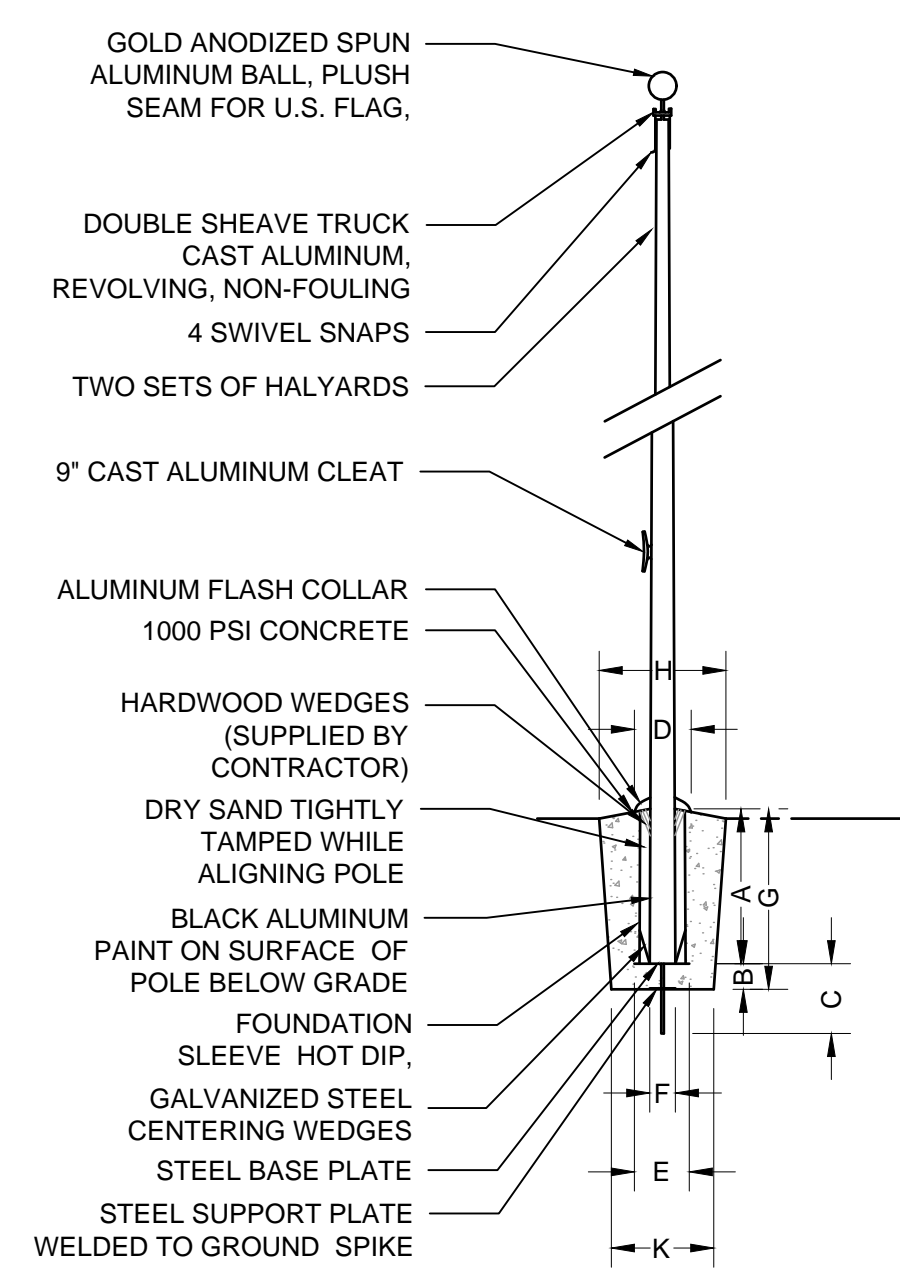
2 CHAIN LINK FENCE GATE DETAIL

NOT TO SCALE



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NOTE: INSTALLATION PER MANUFACTURER'S SPECIFICATIONS

FOUNDATION DIMENSIONS (ELDER FLAGPOLE COMPANY)

EXPOSED HEIGHT	A	B	C	D	E	F	G	H	K	MODEL #
30'	3'-0"	6"	18"	10"	14"	6"	3'-6"	30"	24"	EC 30

3 FLAG POLE DETAIL

NOT TO SCALE

FRIENDSHIP VALLEY ELEMENTARY SCHOOL PRE-K, KINDERGARTEN & PRIDE SUITE ADDITIONS

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PROJECT NO: 631374

DATE: _____

DATE	REVISIONS

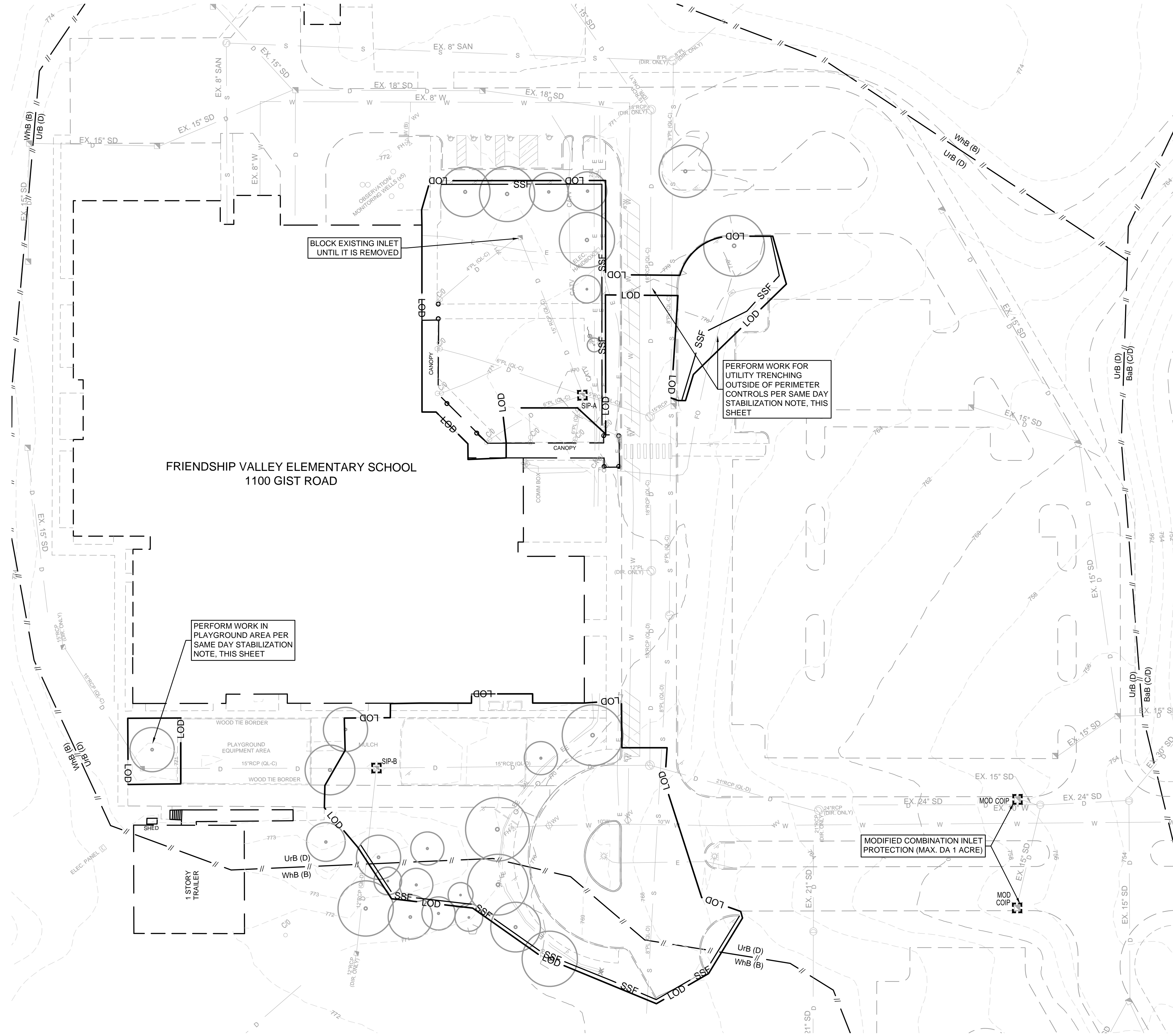
SITE DETAILS

COUNTY FILE NUMBER:
S-23-0030

C202
SHEET 9 OF 18

SEQUENCE OF OPERATIONS

- CONTACT THE CARROLL COUNTY SEDIMENT CONTROL INSPECTOR (1-410-386-2210) 24 HOURS PRIOR TO DOING ANYTHING ON THE SITE TO SET UP A PRE-CONSTRUCTION MEETING AND TO MAKE SURE ALL LOCAL ORDINANCE ITEMS HAVE BEEN SATISFIED.
- IF APPLICABLE, ORANGE HIGH VISIBILITY FENCE (HVF) SHALL BE MANUALLY INSTALLED ALONG THE LIMIT OF DISTURBANCE (LOD), WHERE THE LOD IS WITHIN 50 FEET OF THE FOREST BUFFER / CONSERVATION EASEMENT. THIS SHALL BE COMPLETED BY AND INSPECTED AT THE PRE-CONSTRUCTION MEETING.
- CONTACT MISS UTILITY AT 1-800-257-7777 AT LEAST THREE DAYS IN ADVANCE OF STARTING WORK SHOWN ON PLANS.
- CLEAR AND GRUB FOR SEDIMENT & EROSION CONTROL MEASURES OR DEVICES ONLY.
- INSTALL EROSION & SEDIMENT CONTROL MEASURES AND DEVICES AS SHOWN ON SHEET C401 INCLUDING ALL INLET PROTECTION DEVICES, AND INSTALL SUPER SILT FENCE (SSF), STOCKPILE AREA AND THE CONTRACTOR'S STAGING AREA MUST BE DESIGNATED AND PROVIDED PRIOR TO COMMENCING WORK. TEMPORARILY STABILIZE ALL STOCK PILES. CONSTRUCTION TRAFFIC SHOULD BE COORDINATED WITH CCPS AND SEDIMENT CONTROL INSPECTOR IN ACCORDANCE WITH STABILIZED CONSTRUCTION ENTRANCE NOTE, THIS SHEET.
- NOTIFY SEDIMENT CONTROL INSPECTOR UPON COMPLETION OF SAID INSTALLATION. CONTACT THE CARROLL COUNTY SEDIMENT CONTROL INSPECTOR PRIOR TO REMOVING ANY SEDIMENT CONTROL MEASURES. APPROVAL FROM THE SEDIMENT CONTROL INSPECTOR IS REQUIRED.
- BEGIN DEMOLITION TO THE EXTENTS OF LOD AS SHOWN ON ESC101.
- CONTRACTOR SHALL INSPECT AND MAINTAIN ALL EROSION & SEDIMENT CONTROL MEASURES AND DEVICES AFTER EACH STORM EVENT. MAINTENANCE SHALL INCLUDE, BUT NOT LIMITED TO, REMOVAL OF ALL ACCUMULATED SEDIMENT. GEOTEXTILE FABRIC SHALL BE REPLACED AS NEEDED TO ENSURE PROPER FUNCTION.
- FINISH DEMOLITION OF SITE. BEGIN MASS GRADING, BUILDING CONSTRUCTION AND INSTALLATION OF UTILITIES, CURB AND GUTTER AS SHOWN ON C411. PROVIDE INLET PROTECTION WHERE SHOWN PRIOR TO INLETS BECOMING FUNCTIONAL. CONTRACTOR SHALL ROUGH GRADE DEPRESSIONS WHICH ARE TO BECOME STORM WATER MANAGEMENT (SWM) FACILITIES SO THAT THE INITIAL GROUND SURFACE IS LEVEL WITH RIM ELEVATION OF THE OVERFLOW INLET WHICH IS ABOVE THE FILTER BED ELEVATION. GRADING OF THE SWM FACILITIES AND INSTALLATION OF THE PLANTING MEDIA, SAND, UNDERDRAINS AND RECHARGE STONE SHALL BE DONE ONLY WHEN THE ENTIRE CONTRIBUTING AREA IS STABILIZED. BUILDING RENOVATIONS WILL OCCUR THROUGHOUT ALL STEPS OF CONSTRUCTION. FLUSH STORM DRAINS CONTRIBUTING TO DEPRESSIONS, AND CLEAN OUT DEPRESSIONS FOLLOWING EACH STORM EVENT.
- FINE GRADE AND STABILIZE DISTURBED AREAS TO THE EXTENT SHOWN ON C411. STABILIZE WITH SEED & MATTING WHERE SHOWN. ONCE CONTRIBUTING DRAINAGE AREA TO MICRO-BIORETENTIONS #1, #2 ARE STABILIZED WITH ESTABLISHED VEGETATION AND WITH THE APPROVAL FROM THE SEDIMENT CONTROL INSPECTOR, EXCAVATE THE SWM FACILITY TO THE APPROPRIATE DEPTH. INSTALL STONE, UNDERDRAINS, PIPE, PLANTING MEDIA, ETC. IN ACCORDANCE WITH THE APPROVED SWM PLANS. CONTRACTOR SHALL EXERCISE EXTRA CARE DURING THIS PROCESS SO AS TO NOT DAMAGE THE PREVIOUSLY INSTALLED STORM DRAIN SYSTEMS. PRIOR TO INSTALLATION OF MULCH LAYER, FLOOD SWM FACILITIES WITH CLEAN WATER TO PONDING ELEVATION AND TIME DRAW-DOWN TO ENSURE DRAW-DOWN TIME IS LESS THAN 48 HOURS AND DRAINAGE WITHIN THE SWM FACILITY IS FUNCTIONING. CONTRACTOR SHALL NOTIFY AS-BUILT ENGINEER AT LEAST TWO WEEKS PRIOR TO CONSTRUCTION OF SWM FACILITIES.
- PROVIDE REMAINING LANDSCAPING INSTALLATION FOR THE SITE.
- UPON COMPLETION AND STABILIZATION OF SITE WITH ESTABLISHED VEGETATION AND WITH PERMISSION OF THE SEDIMENT CONTROL INSPECTOR, REMOVE REMAINING SEDIMENT CONTROL MEASURES AND STABILIZE THOSE AREAS DISTURBED BY THIS PROCESS USING PER DAILY STABILIZATION NOTE ON THIS SHEET.



LEGEND

- PROPERTY LINE
- ▭ EXISTING BUILDING
- - - EXISTING WALK
- - - EXISTING ROAD
- - - EXISTING CURB
- EXISTING TREES
- EXISTING SHRUBS
- EX. 15" SD EXISTING STORM DRAIN
- EX. 6" W EXISTING WATER
- EX. 8" SAN EXISTING SANITARY SEWER
- EX. TELE EXISTING TELEPHONE
- EX. ELEC EXISTING ELECTRIC
- EX. ELEC OHW EXISTING OVERHEAD ELECTRIC
- EXISTING LIGHTING
- 348 350 EXISTING CONTOURS
- UID EXISTING SOIL GROUP DELINEATION
- LOD LIMIT OF DISTURBANCE
- SSF SUPER SILT FENCE
- COMBINATION
- STANDARD B INLET PROTECTION
- STANDARD A

STABILIZED CONSTRUCTION ENTRANCE NOTE:

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

SAME DAY STABILIZATION NOTE

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

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

GENERAL SHEET NOTES:

- ALL DISTURBED AREAS SHALL BE RESTORED TO EXISTING CONDITIONS AT THE END OF CONSTRUCTION.
- USE FILTER BAGS AS NECESSARY TO PUMP ANY NUISANCE WATER.
- STABILIZE IMMEDIATELY ANY OFFSITE AREAS DISTURBED BY CONSTRUCTION VEHICLES OR EQUIPMENT.
- USE SAME DAY STABILIZATION METHOD FOR ANY DISTURBANCE.
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- ALL CONSTRUCTION VEHICLES AND EQUIPMENT SHALL USE RUBBER TIRES. NO TRACKED VEHICLES OR EQUIPMENT ARE PERMITTED ON SITE.
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PHASING NOTE:

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

OWNER/DEVELOPER CERTIFICATION

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

DEVELOPER: _____ DATE: 6/5/2024

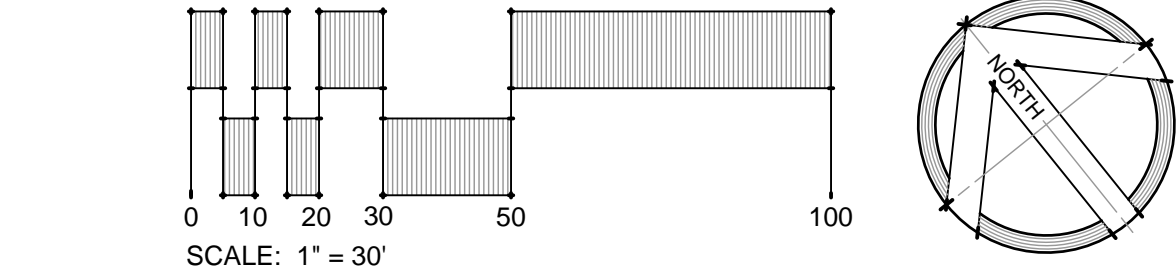
PRINTED NAME OF DEVELOPER: _____

DEVELOPER COMPANY NAME: _____ DEVELOPER PHONE NUMBER: _____

ENGINEER'S CERTIFICATION

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

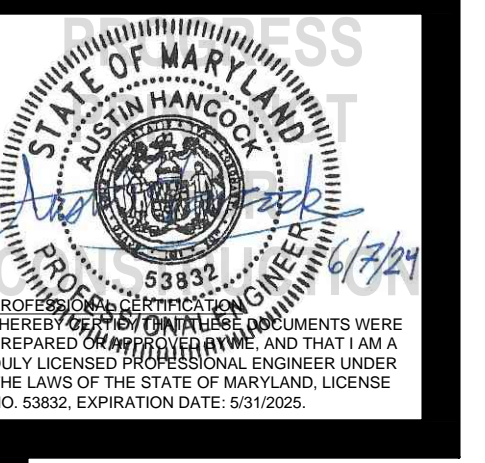
6/5/2024 ENGINEER/DATE



LIMIT OF DISTURBANCE: 39,890 S.F./ 0.92 AC.
 MARYLAND COORDINATE SYSTEM (MCS)

COUNTY FILE NUMBER:
 S-23-0030

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

PROJECT NO.:	631374
DATE:	
REVISIONS:	
DATE:	DESCRIPTION

CONCEPTUAL EXISTING SEDIMENT CONTROL PLAN

© SITE RESOURCES, INC. Z:\23020303-CCPS FRIENDSHIP VALLEY ES\04-DWG\C401-EX ESC PLAN.DWG 6/5/2024 10:54 AM bam

STABILIZED CONSTRUCTION ENTRANCE NOTE:

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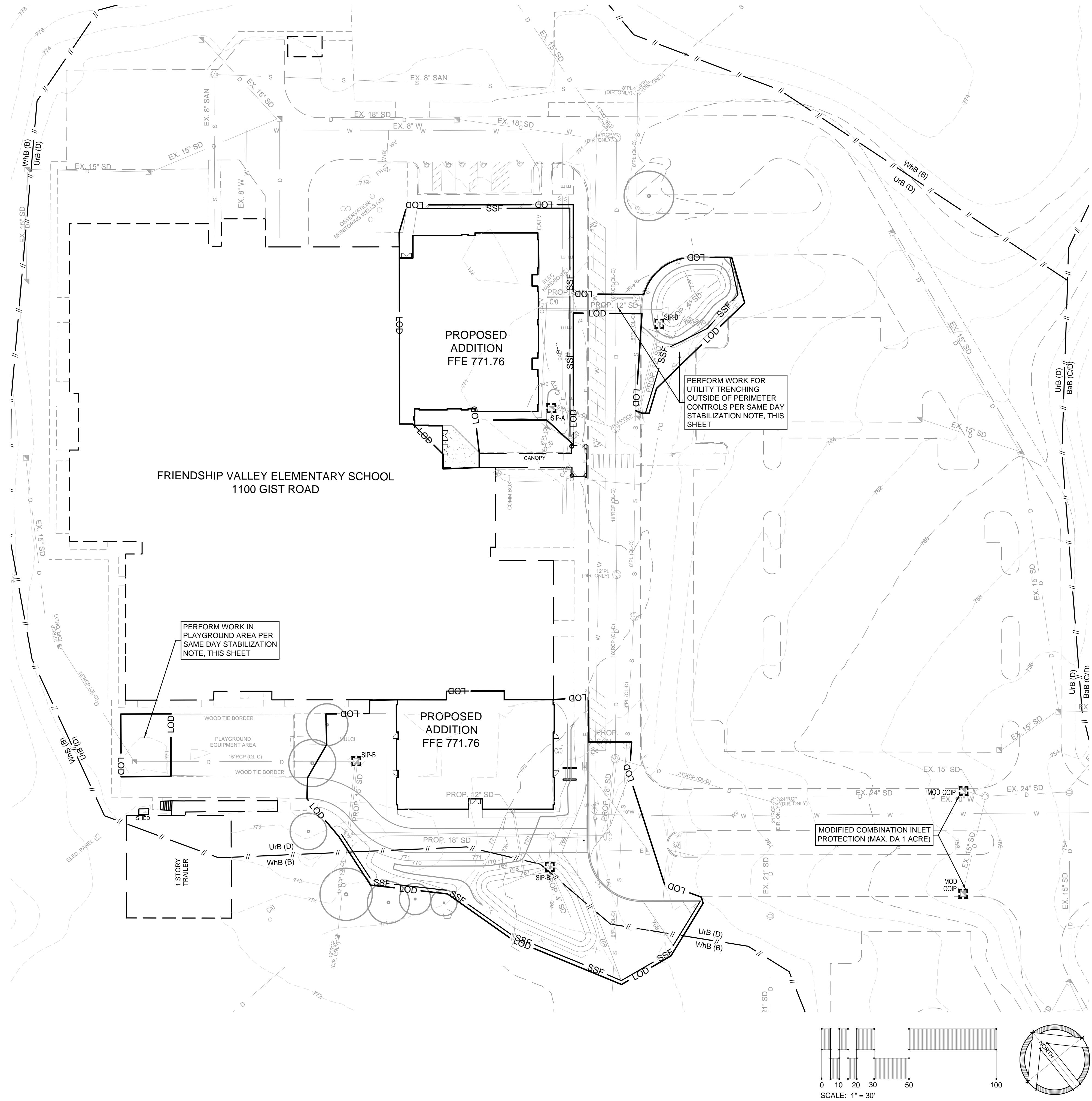
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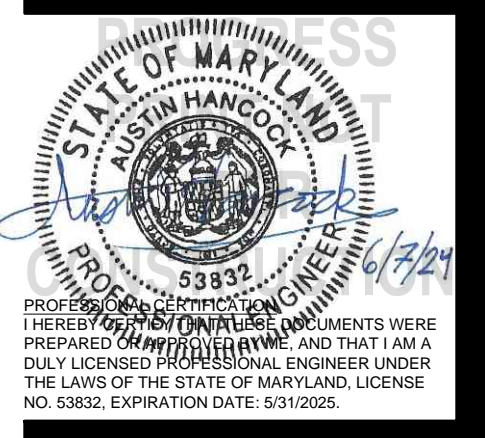
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LEGEND

- PROPERTY LINE
- EXISTING BUILDING
- EXISTING WALK
- EXISTING ROAD
- EXISTING CURB
- EXISTING TREES
- EXISTING SHRUBS
- EX. 15" SD
- EX. 6" W
- EX. 8" SAN
- EX. TELE
- EX. ELEC
- EX. ELEC OHW
- EXISTING LIGHTING
- EXISTING CONTOURS
- EXISTING SOIL GROUP DELINEATION
- PROPOSED BUILDING
- PROPOSED BUILDING OVERHANG
- PROPOSED SIDEWALK
- PROPOSED BITUMINOUS PAVING
- PROPOSED CURB
- PROP. 15" SD
- PROP. 6" WATER
- PROPOSED CONTOURS
- LOD
- SSF
- COIP COMBINATION
- SIP-B STANDARD B
- SIP-A STANDARD A

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PROJECT NO. 631374
 DATE: _____
 REVISIONS

DATE	DESCRIPTION

CONCEPTUAL PROPOSED SEDIMENT CONTROL PLAN

C411
 SHEET 11 OF 18

LIMIT OF DISTURBANCE: 39,890 S.F./ 0.92 AC.
 MARYLAND COORDINATE SYSTEM (MCS)

COUNTY FILE NUMBER:
 S-23-0030

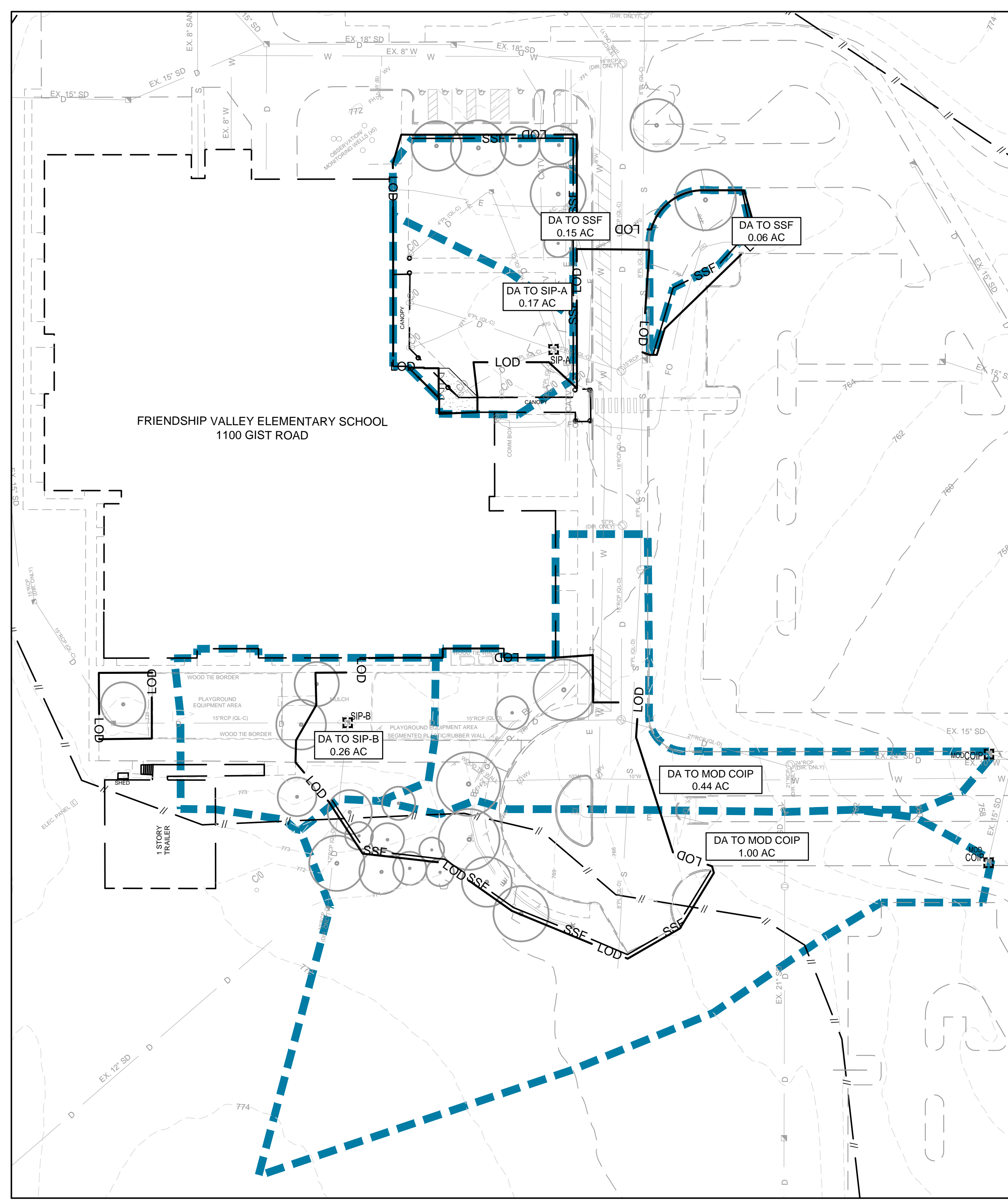


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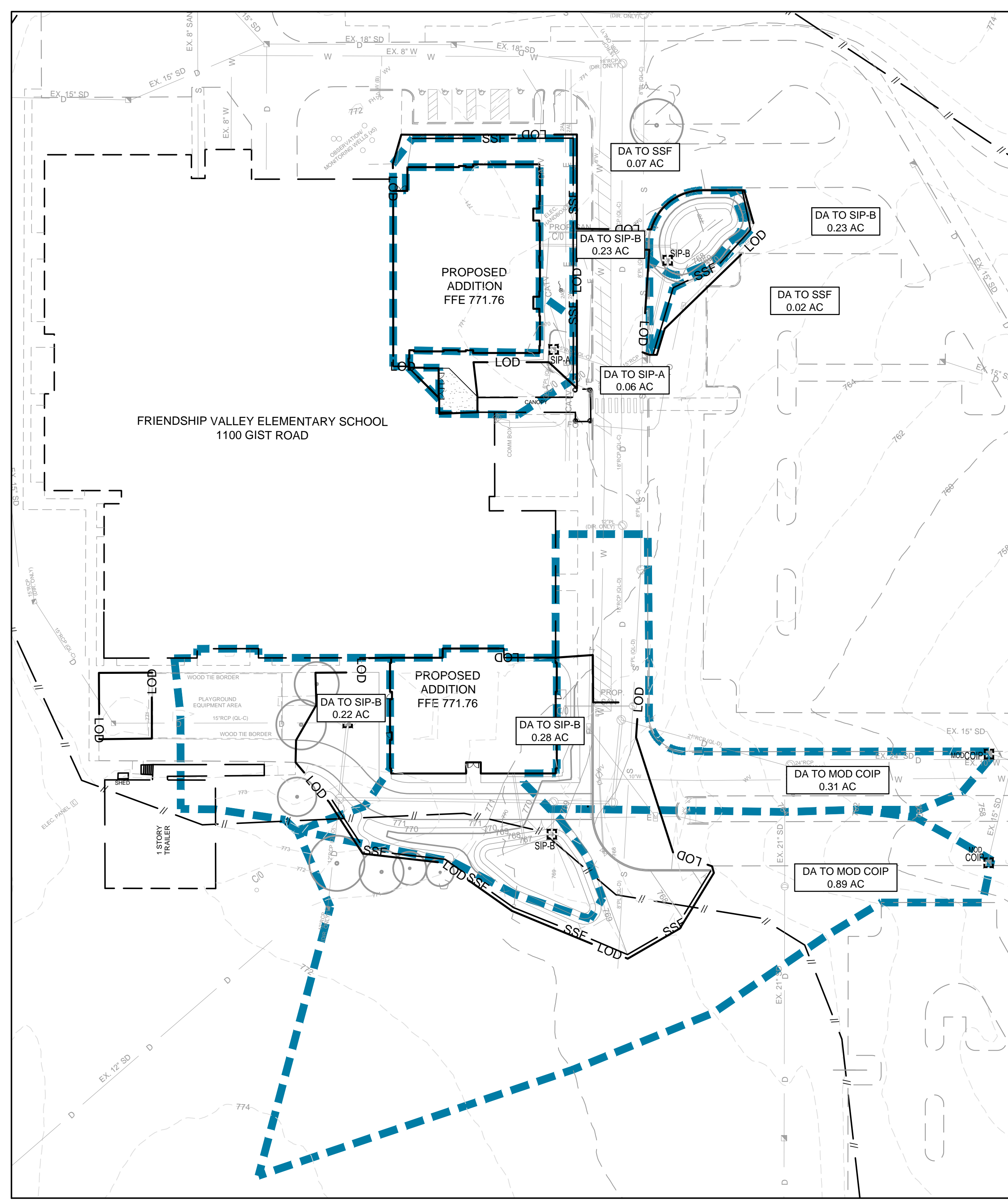
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PROJECT NO.	631374
DATE:	
REVISIONS	
DATE	DESCRIPTION

CONCEPTUAL ESC DA MAPS



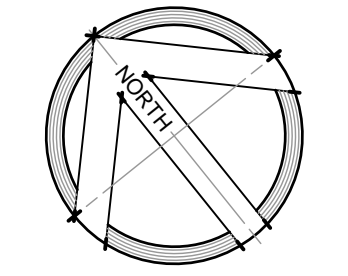
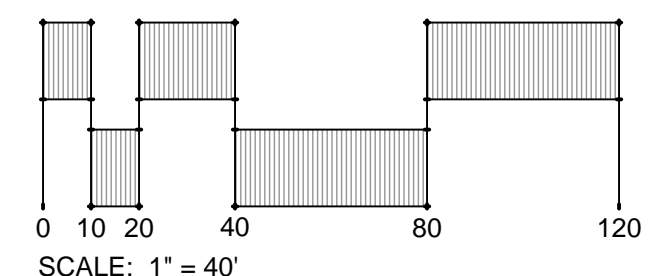
1 EXISTING CONDITIONS ESC DA MAP 1" = 40'



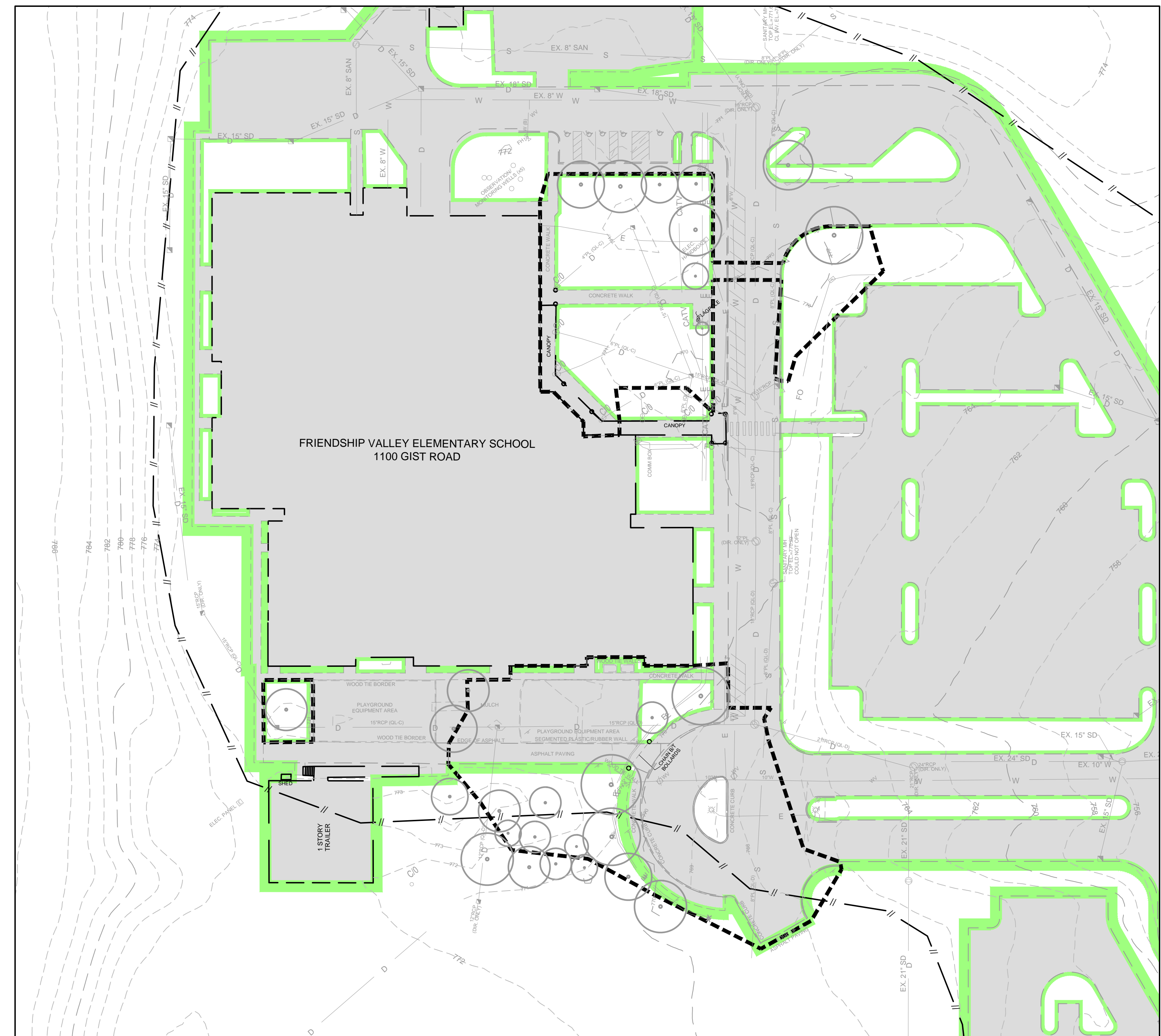
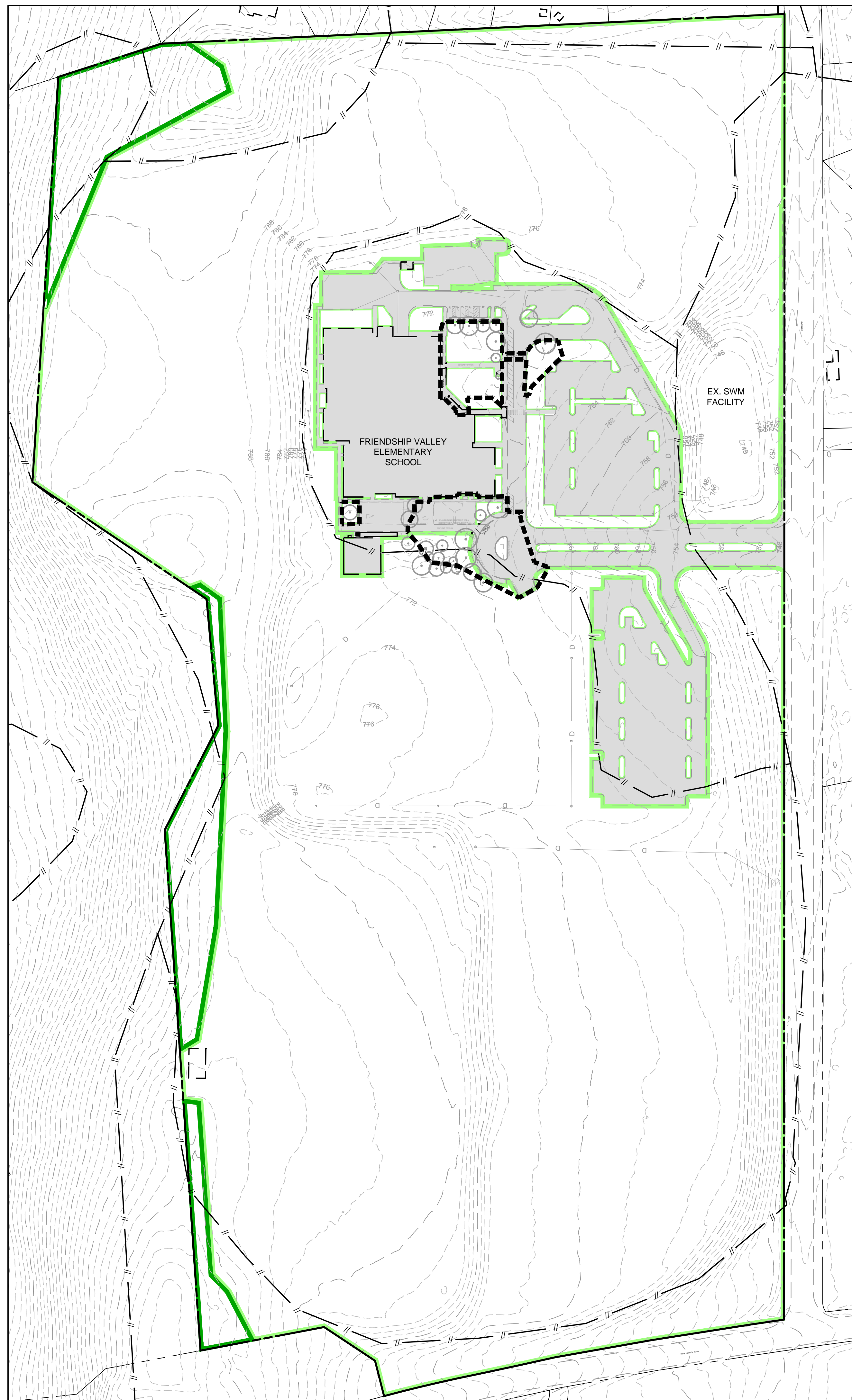
2 PROPOSED CONDITIONS ESC DA MAP 1" = 40'

LEGEND

	PROPERTY LINE		EX. 15" SD	EXISTING STORM DRAIN		PROPOSED BUILDING		PROPOSED CONTOURS
	EXISTING BUILDING		EX. 6" W	EXISTING WATER		PROPOSED BUILDING OVERHANG		LIMIT OF DISTURBANCE
	EXISTING WALK		EX. 8" SAN	EXISTING SANITARY SEWER		PROPOSED SIDEWALK		SUPER SILT FENCE
	EXISTING ROAD		EX. TELE	EXISTING TELEPHONE		PROPOSED BITUMINOUS PAVING		COIP COMBINATION
	EXISTING CURB		EX. ELEC	EXISTING ELECTRIC		PROPOSED CURB		SIP-B STANDARD B INLET PROTECTION
	EXISTING TREES		EX. ELEC OHW	EXISTING OVERHEAD ELECTRIC		PROPOSED STORM DRAIN		SIP-A STANDARD A
	EXISTING SHRUBS			EXISTING LIGHTING		PROPOSED WATER		DRAINAGE AREA
			348 350	EXISTING CONTOURS				
			U/D G/G	EXISTING SOIL GROUP DELINEATION				



COUNTY FILE NUMBER:
 S-23-0030

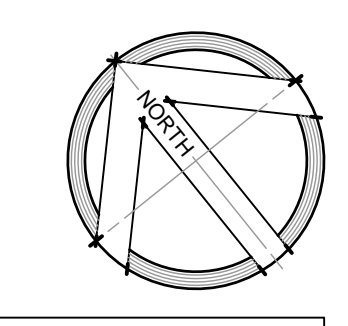
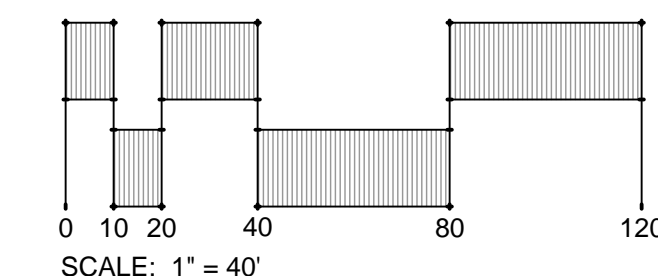
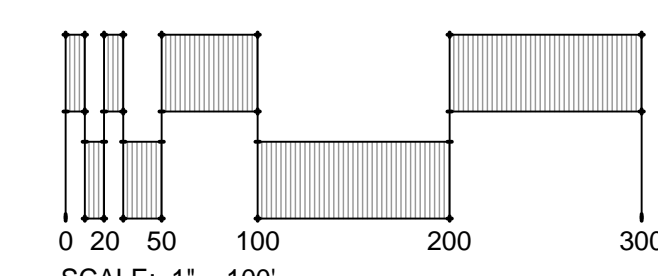


EXISTING CONDITIONS ENLARGEMENT

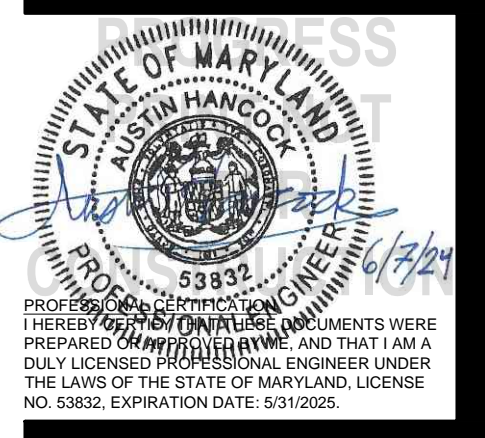
1" = 40'

LEGEND

	PROPERTY LINE		EXISTING SANITARY SEWER
	EXISTING BUILDING		EXISTING TELEPHONE
	EXISTING WALK		EXISTING ELECTRIC
	EXISTING ROAD		EXISTING OVERHEAD ELECTRIC
	EXISTING CURB		EXISTING LIGHTING
	EXISTING TREES		EXISTING CONTOURS
	EXISTING SHRUBS		EXISTING SOIL GROUP DELINEATION
	EXISTING STORM DRAIN		ESD TRACT AREA
	EXISTING WATER		IMPERVIOUS AREA
			MEADOW
			WOODS



COUNTY FILE NUMBER:
S-23-0030



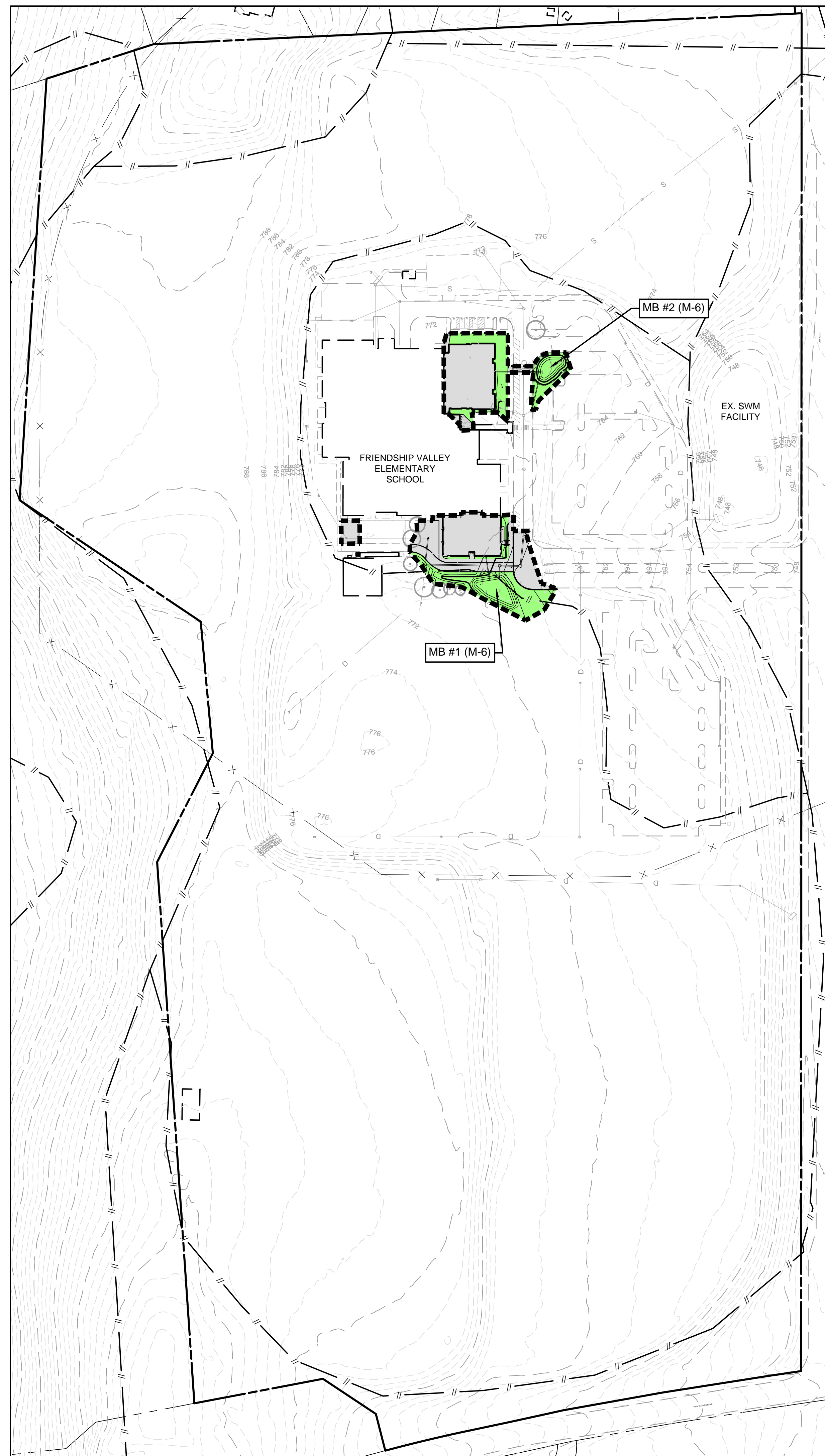
PROFESSIONAL ENGINEER
STATE OF MARYLAND
LICENSE NO. 53832, EXPIRATION DATE: 6/24/25
I HEREBY CERTIFY THAT THE PLANS WERE PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

FRIENDSHIP VALLEY ELEMENTARY SCHOOL PRE-K, KINDERGARTEN & PRIDE SUITE ADDITIONS
CARROLL COUNTY PUBLIC SCHOOLS
 1110 GIST ROAD, WESTMINSTER, MD 21157

PROJECT NO.: 631374
DATE:

REVISIONS	
DATE DESCRIPTION	

EXISTING CONDITIONS AND RESOURCE MAPPING SWM PLAN

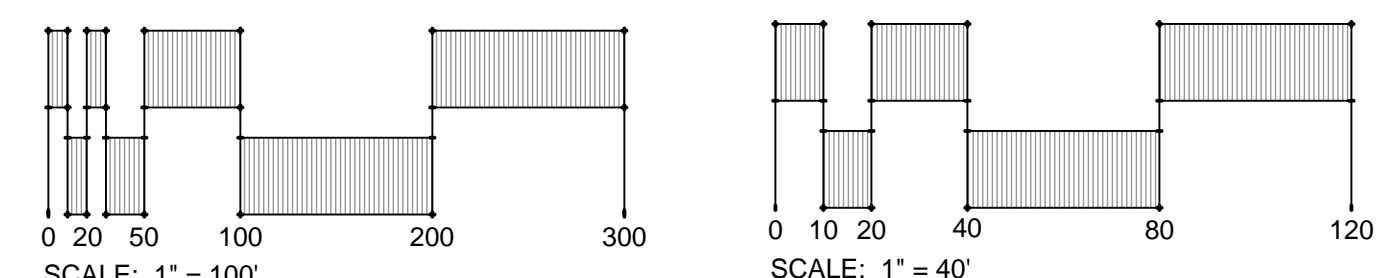


PROPOSED CONDITIONS ENLARGEMENT

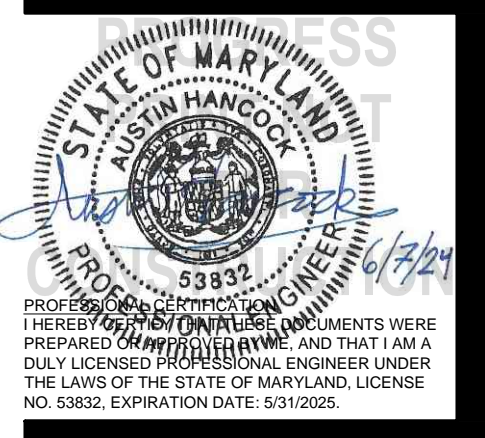
1" = 40'

LEGEND

	PROPERTY LINE		EXISTING WATER		PROPOSED BUILDING
	EXISTING BUILDING		EXISTING SANITARY SEWER		PROPOSED BUILDING OVERHANG
	EXISTING WALK		EXISTING TELEPHONE		PROPOSED SIDEWALK
	EXISTING ROAD		EXISTING ELECTRIC		PROPOSED BITUMINOUS PAVING
	EXISTING CURB		EXISTING OVERHEAD ELECTRIC		PROPOSED CURB
	EXISTING TREES		EXISTING LIGHTING		PROPOSED STORM DRAIN
	EXISTING SHRUBS		EXISTING CONTOURS		PROPOSED WATER
	EXISTING STORM DRAIN		EXISTING SOIL GROUP DELINEATION		PROPOSED SANITARY SEWER
			ESD TRACT AREA		GRASS
			IMPERVIOUS AREA		



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FRIENDSHIP VALLEY ELEMENTARY SCHOOL PRE-K, KINDERGARTEN & PRIDE SUITE ADDITIONS
CARROLL COUNTY PUBLIC SCHOOLS
 1110 GIST ROAD, WESTMINSTER, MD 21157

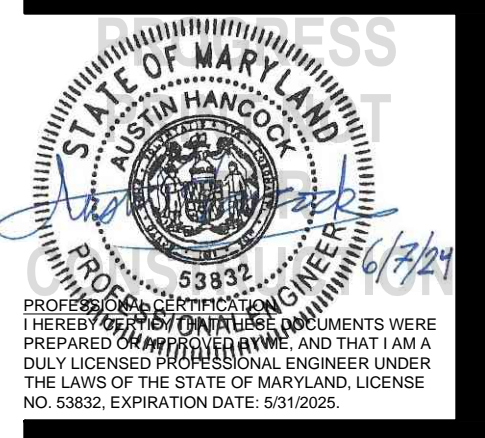
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PROJECT NO. 631374
 DATE: _____
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 DATE DESCRIPTION

PROPOSED CONDITIONS SWM PLAN

COUNTY FILE NUMBER: S-23-0030

C511
 SHEET 14 OF 18



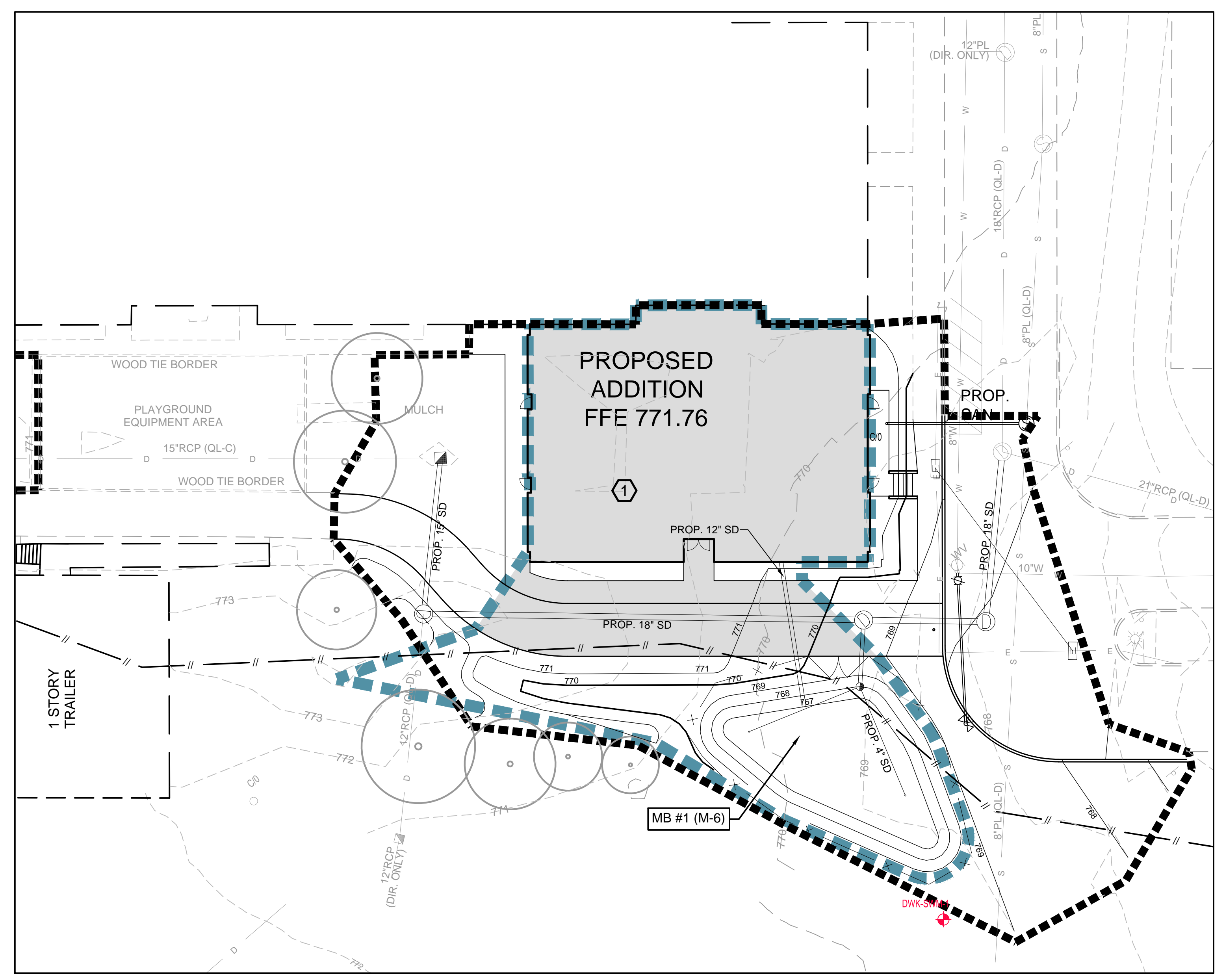
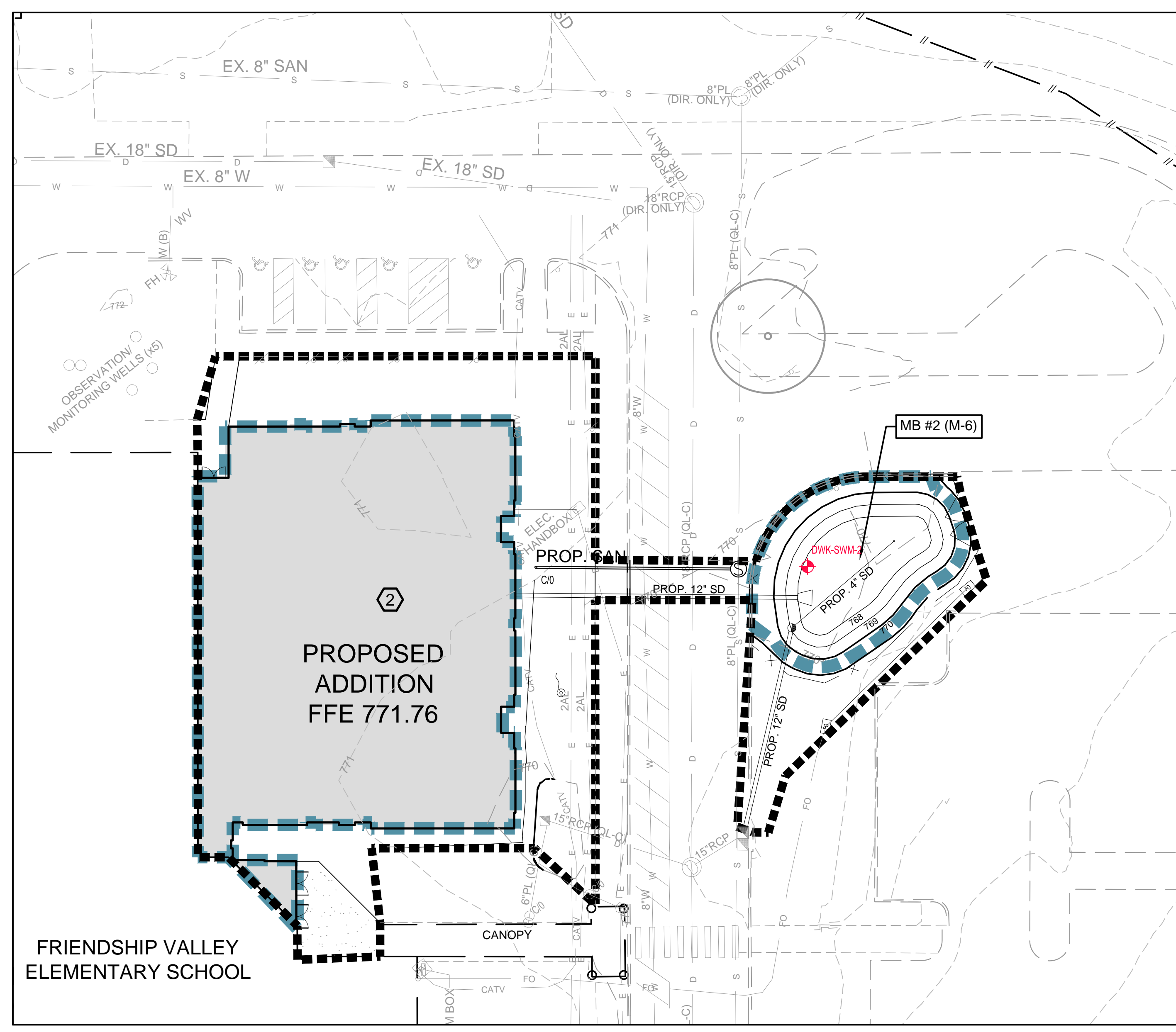
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SWM ESD DA MAP



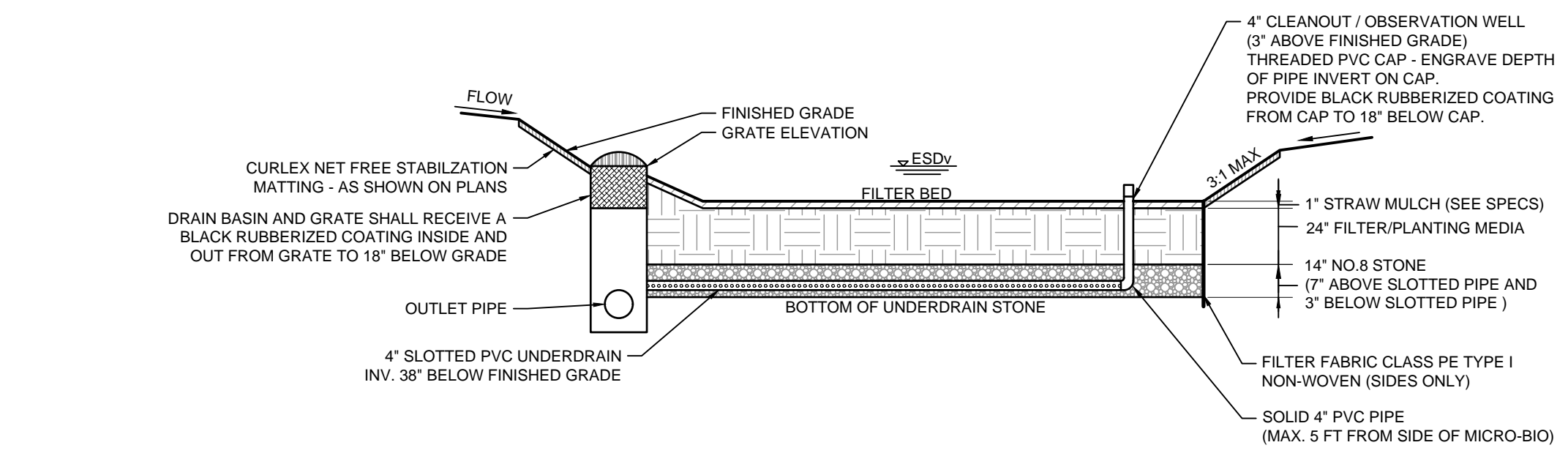
- ### SWM AS-BUILT NOTES
- IT IS THE CONTRACTOR'S RESPONSIBILITY, ON BEHALF OF THE OWNER, TO ENGAGE A LICENSED PROFESSIONAL ENGINEER TO CERTIFY THE STORMWATER MANAGEMENT FACILITIES AND TO PREPARE, SUBMIT, AND PROCESS AS-BUILT DRAWINGS WITH THE AUTHORITIES HAVING JURISDICTION. "CERTIFY" MEANS TO STATE OR DECLARE A PROFESSIONAL OPINION BASED ON SUFFICIENT AND APPROPRIATE ON-SITE OBSERVATIONS AND/OR INSPECTIONS AT CRUCIAL MILESTONES DURING CONSTRUCTION OF THE FACILITY, MATERIAL TESTS CONDUCTED DURING CONSTRUCTION, AND POST-CONSTRUCTION SURVEYING AND VERIFICATION. VERIFICATION SHALL INCLUDE PHOTODOCUMENTATION CONSISTING OF AT LEAST TEN (10) PHOTOS AT EACH STAGE OF CONSTRUCTION PROGRESS.
 - 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:
 - 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.
 - SUBMIT SWM AS-BUILTS TO THE AUTHORITIES HAVING JURISDICTION AND PROCESS FOR FINAL APPROVAL AND CLOSEOUT OF ASSOCIATED PERMIT(S).

DRAINAGE AREA DATA

DRAINAGE AREA	TOTAL AREA (AC.)	IMPERVIOUS AREA (AC.)	ESDV PROVIDED (CUFT)	TC (HOURS)
1 (MB #1)	0.28	0.18	1,612	0.1
2 (MB #2)	0.23	0.19	820	0.1

DESIGN SUMMARY TABLE

ESD TRACT AREA	0.92 AC
PROPOSED IMPERVIOUS AREA WITHIN ESD TRACT AREA	0.57 AC
ESDV / PE REQUIRED	2,034 CUFT / 1.00"
ESDV / PE PROVIDED	2,432 CUFT / 1.20"

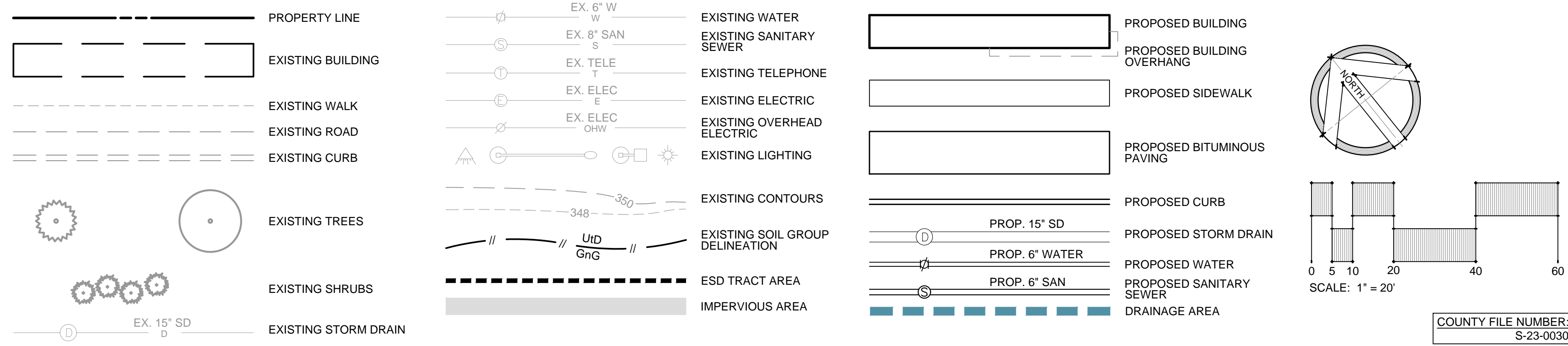


- ### NOTES:
- 3:1 MAX SLOPE ON ALL SIDES. SEE GRADING PLAN AND STORMWATER MANAGEMENT ENLARGEMENTS FOR GRADING OF MICRO-BIORETENTIONS.
 - OUTLET STRUCTURE: NYLOPLAST DRAIN BASIN WITH DOME GRATE.
 - WHERE UNDERDRAIN EXTENDS OUTSIDE OF THE FILTER BED MATERIAL, PROVIDE 4" SOLID PVC PIPE TO CONNECT INTO OUTFALL STRUCTURE.
 - CLEANOUT: SOLID PIPE AND CAP SHALL RECEIVE A BLACK RUBBERIZED COATING FROM CAP TO 18" BELOW CAP.

FACILITY OVERFLOW SIZE

MB#1	24" NYLOPLAST DRAIN BASIN w/ DOME GRATE
MB#2	24" NYLOPLAST DRAIN BASIN w/ DOME GRATE

LEGEND



TYPICAL SECTION: MICRO-BIORETENTION
 NOT TO SCALE

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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

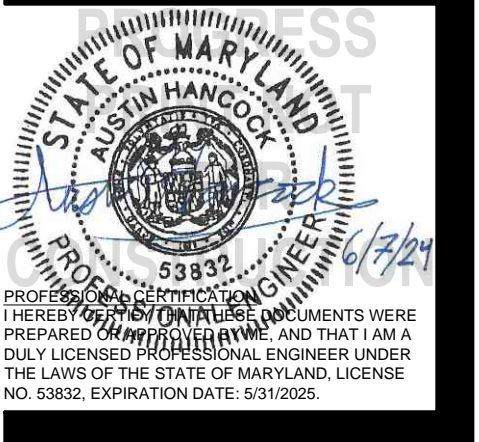
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Chad N. Wasleski, PE, CFM
Carroll County Stormwater Management Program Engineer
March 20, 2020; Dec. 20, 2022; Jan. 6, 2023; Revised July 25, 2023; Revised Nov. 20, 2023

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. Unlog 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 OR 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. Reseed 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



FRIENDSHIP VALLEY ELEMENTARY SCHOOL PRE-K, KINDERGARTEN & PRIDE SUITE ADDITIONS
CARROLL COUNTY PUBLIC SCHOOLS
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PROJECT NO. 631374
DATE:
REVISIONS
DATE DESCRIPTION

SWM DETAILS & NOTES

COUNTY FILE NUMBER:
S-23-0030

C521



TEST PIT LOG

Contract No.: 23209.2D Date: December 28, 2023
 Project: Friendship Valley CCES DWK Representative: E. Kussman
 Location: Westminster, Maryland
 Test Pit No.: DWK-SWM-1 Groundwater EL.: Dry
 Surface Elevation: 774.0 Excavation Equipment: Mini Excavator

DEPTH (FT.)	ELEV.	SOIL DESCRIPTION AND OBSERVATIONS	STRATUM	REMARKS
0	774.0	Topsoil 4"		
0.5	773.5	FILL, sandy silt, sub-angular, blocky, moist, brown	A	FILL
1	773.0			
1.5	772.5			
2	772.0	SANDY SILT, sub-angular, blocky, moist, orangish brown	B	Residual
2.5	771.5			
3	771.0			
3.5	770.5			
4	770.0			
4.5	769.5	SANDY LEAN CLAY, angular, blocky, moist, orangish brown		
5	769.0			
5.5	768.5			
6	768.0	Infiltration Test Depth		
6.5	767.5			
7	767.0			
7.5	766.5			

8	766.0			
8.5	765.5			
9	765.0			
9.5	764.5			
10	764.0			
Bottom of Test Pit @ 10.0 feet				



TEST PIT LOG

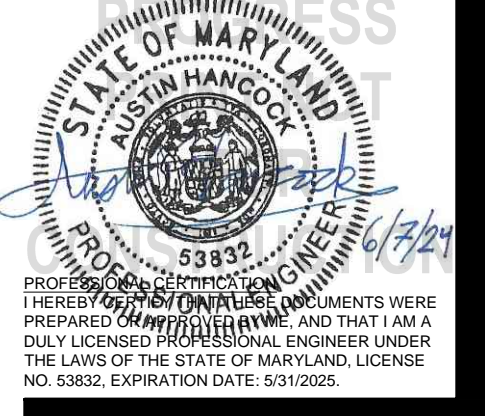
Contract No.: 23209.2D Date: December 28, 2023
 Project: Friendship Valley CCES DWK Representative: E. Kussman
 Location: Westminster, Maryland
 Test Pit No.: DWK-SWM-2 Groundwater EL.: Dry
 Surface Elevation: 771.0 Excavation Equipment: Mini Excavator

DEPTH (FT.)	ELEV.	SOIL DESCRIPTION AND OBSERVATIONS	STRATUM	REMARKS
0	771.0	Topsoil 5"		
0.5	770.5	FILL, sandy lean clay, sub-angular, blocky, moist, brown	A	FILL
1	770.0			
1.5	769.5	SANDY LEAN CLAY, sub-angular, blocky, moist, orangish brown	B	Residual
2	769.0			
2.5	768.5			
3	768.0			
3.5	767.5			
4	767.0	SANDY LEAN CLAY, angular, blocky, moist, orangish brown		
4.5	766.5			
5	766.0			
5.5	765.5			
6	765.0	Infiltration Test Depth		
6.5	764.5			
7	764.0			
7.5	763.5			

8	763.0			
8.5	762.5			
9	762.0			
9.5	761.5			
10	761.0			
Bottom of Test Pit @ 10.0 feet				

MOSELEYARCHITECTS

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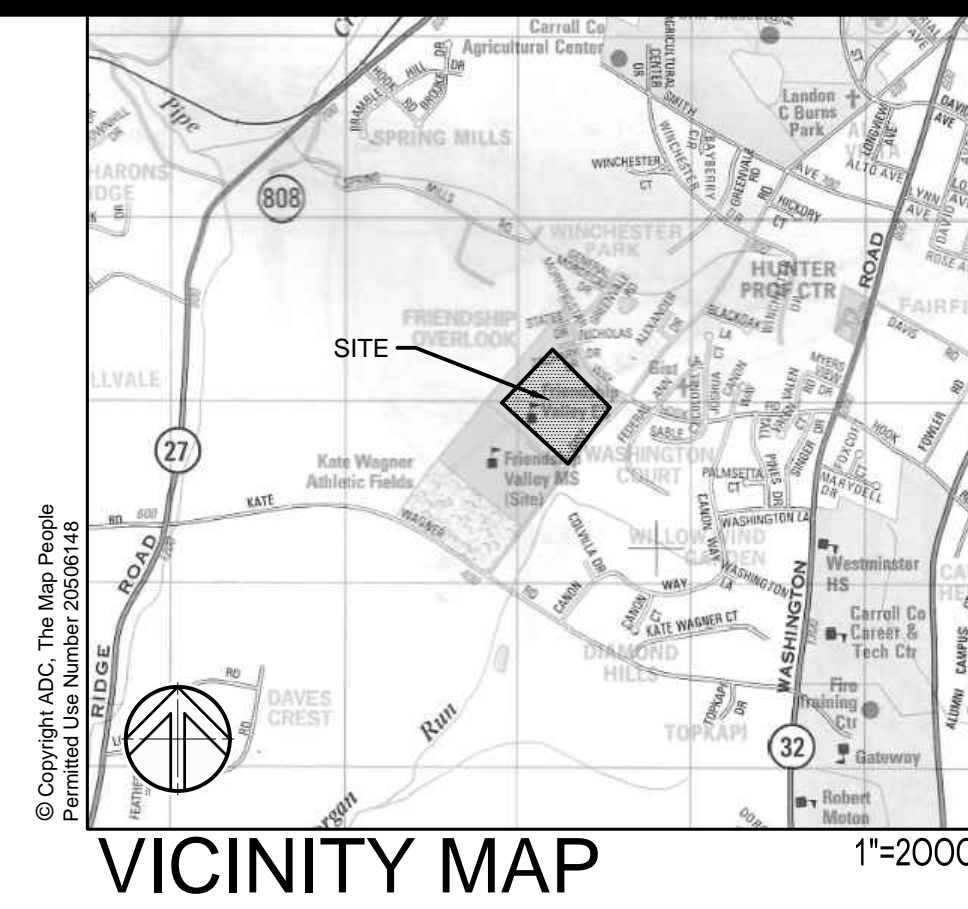
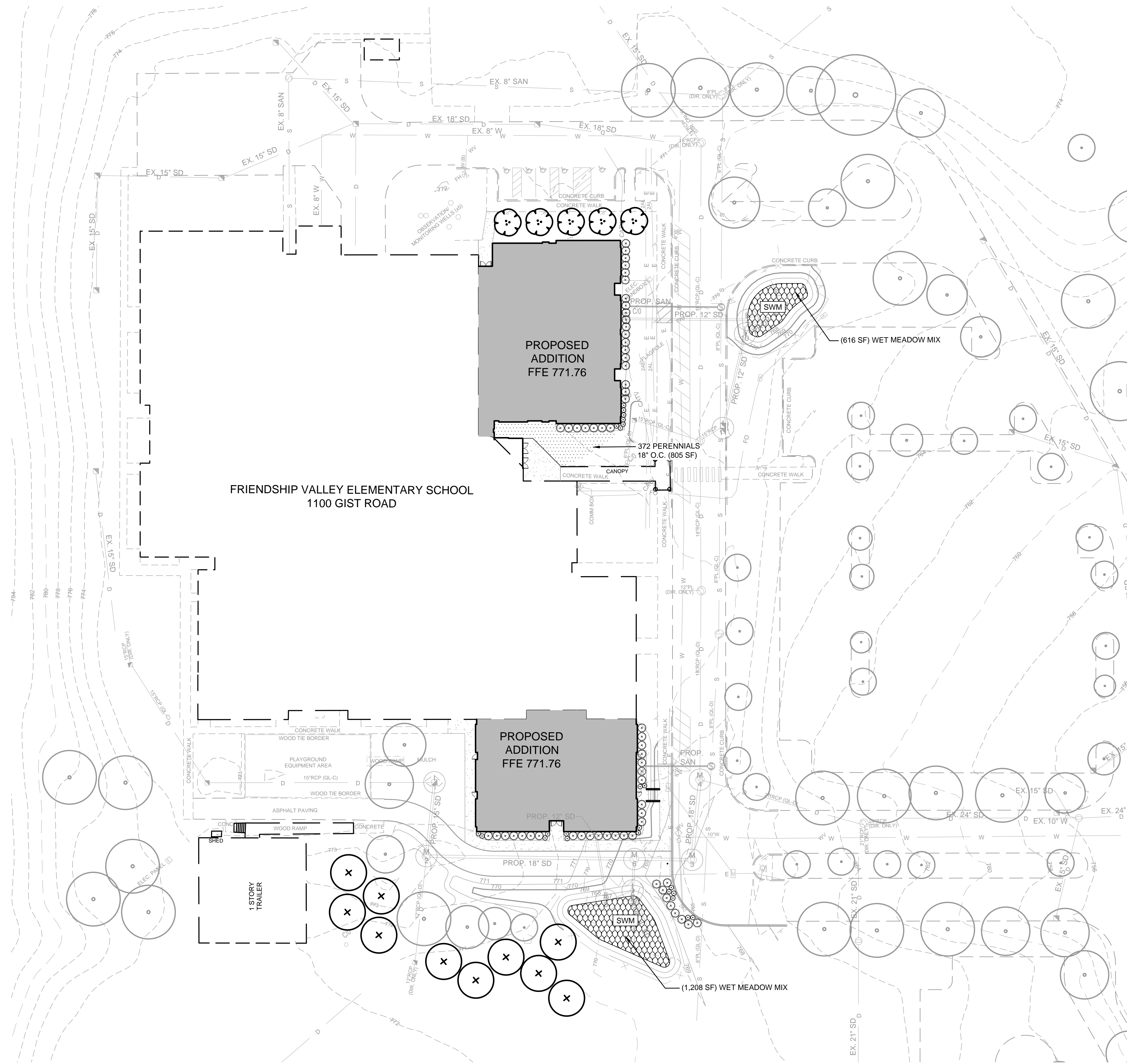
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SWM TEST PITS

COUNTY FILE NUMBER:
S-23-0030

C522

SHEET 17 OF 18



LEGEND

	PROPERTY LINE
	EXISTING BUILDING
	EXISTING WALK
	EXISTING ROAD
	EXISTING CURB
	EXISTING TREES
	EXISTING SHRUBS
	EX. 15" SD
	EX. 6" W
	EX. 8" SAN
	EX. TELE
	EX. ELEC
	EX. ELEC OHW
	EXISTING LIGHTING
	EXISTING CONTOURS
	PROPOSED BUILDING
	PROPOSED BUILDING OVERHANG
	PROPOSED SIDEWALK
	PROPOSED BITUMINOUS PAVING
	PROPOSED CURB
	PROPOSED CONTOURS
	PROPOSED SHADE TREE
	PROPOSED EVERGREEN TREE
	PROPOSED ORNAMENTAL TREE
	PROPOSED SHRUBS
	PROPOSED PERENNIALS, PROPOSED SEEDING

CONCEPT PLANT SCHEDULE

CODE	NAME	QTY
TREES		
	SHADE TREE	10
	ORNAMENTAL	5
SHRUBS		
	3' SHRUB	23
	5' SHRUB	60
PERENNIALS, GRASSES, & GROUNDCOVERS		
	PERENNIALS	372
WMM	WET MEADOW MIX	1,824 SF

COUNTY FILE NUMBER:
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