## PRELIMINARY DEVELOPMENT SPECIAL USE PERMIT

# ST. STEPHEN'S & ST. AGNES UPPER SCHOOL

#1000 ST. STEPHENS ROAD

CITY OF ALEXANDRIA, VIRGINIA

## ENVIRONMENTAL SITE ASSESSMENT

- THERE ARE NO RESOURCE PROTECTION AREAS (RPA'S), TIDAL WETLANDS, SHORES, TRIBUTARY STREAMS, FLOOD PLAINS, OR BUFFER AREAS FOR SHORES, WETLANDS, CONNECTED TIDAL WETLANDS, ISOLATED WETLANDS OR HIGHLY ERODIBLE/PERMEABLE SOILS LOCATED ON THIS SITE. THERE ARE NO WETLAND PERMITS
- THE CITY OF ALEXANDRIA DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES, OFFICE OF ENVIRONMENTAL QUALITY MUST BE NOTIFIED IF UNUSUA PUBLIC SAFETY OR A RELEASE TO THE ENVIRONMENT, THE ALEXANDRIA FIRE DEPARTMENT MUST BE CONTACTED IMMEDIATELY BY CALLING 911. THE TANK OR
- (VSWCB) REQUIREMENTS. CONTACT ENVIRONMENTAL HEALTH SPECIALIST AND COORDINATE WITH THE ALEXANDRIA HEALTH DEPARTMENT AT 703-746-4996.
- THERE ARE NO KNOWN CONTAMINATED AREAS, CONTAMINATED SOILS OR ENVIRONMENTAL ISSUES ASSOCIATED WITH THIS SITE.
- ALL CONSTRUCTION ACTIVITIES MUST COMPLY WITH THE ALEXANDRIA NOISE CONTROL CODE TITLE 11, CHAPTER 5, WHICH PERMITS CONSTRUCTION ACTIVITIES TO OCCUR BETWEEN THE FOLLOWING HOURS: MONDAY THROUGH FRIDAY FROM 7am TO 6pm AND SATURDAYS FROM 9am TO 6pm; NO CONSTRUCTION ACTIVITIES ARE PERMITTED ON SUNDAYS AND HOLIDAYS
- HROUGH FRIDAY FROM 9am TO 6pm AND SATURDAYS FROM 10am TO 4pm; NO PILE DRIVING ACTIVITIES ARE PERMITTED ON SUNDAYS AND HOLIDAYS.
- MONDAY THROUGH SATURDAY 7am TO 5pm; NO RIGHT OF WAY EXCAVATION IS PERMITTED ON SUNDAYS.

### **ENVIRONMENTAL PERMITS NOTES**

THIS PROJECT PROPOSES CONSTRUCTION ACTIVITIES WHICH DISTURB AN AREA MORE THAN 1 ACRE, THEREFORE A VPDES PERMIT IS REQUIRED

#### ARCHAEOLOGY NOTES

THE APPLICANT/DEVELOPER SHALL CALL ALEXANDRIA ARCHAEOLOGY IMMEDIATELY (703-746-4399) IF ANY BURIED STRUCTURAL REMAINS (WALL FOUNDATIONS, WELL THE DISCOVERY UNTIL A CITY ARCHAEOLOGIST COMES TO THE SITE AND RECORDS THE FINDS.

THE APPLICANT/DEVELOPER SHALL NOT ALLOW ANY METAL DETECTION AND/OR ARTIFACT COLLECTION TO BE CONDUCTED ON THE PROPERTY, UNLESS AUTHORIZED BY ALEXANDRIA ARCHAEOLOGY. FAILURE TO COMPLY SHALL RESULT IN PROJECT DELAYS.

ALL REQUIRED ARCHAEOLOGICAL PRESERVATION MEASURES SHALL BE COMPLETED IN COMPLIANCE WITH SECTION 11-411 OF THE ZONING ORDINANCE.

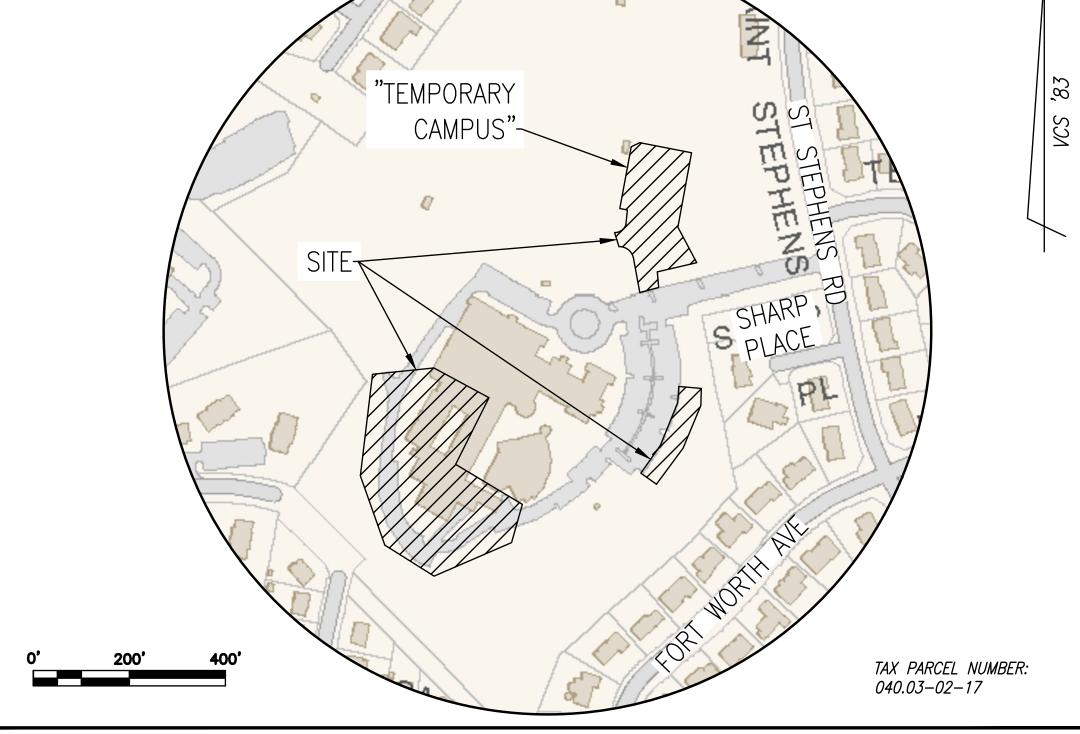
#### **GENERAL NOTES**

- PRIOR TO THE APPLICATION FOR NEW CERTIFICATE OF OCCUPANCY, THE APPLICANT SHALL SUBMIT A BUILDING PERMIT FOR A CHANGE OF USE. DRAWINGS PREPARED BY A LICENSED ARCHITECT OR PROFESSIONAL ENGINEER SHALL ACCOMPANY THE PERMIT APPLICATION. THE PLANS SHALL SHOW PROPOSED CONDITIONS AND PROVIDE DATA BY THE DESIGN PROFESSIONAL WHICH DETAILS HOW THE PROPOSED USE WILL COMPLY WITH THE CURRENT EDITION OF THE VIRGINIA UNIFORM STATEWIDE BUILDING CODE FOR THE NEW USE IN THE AREA OF STRUCTURAL STRENGTH, MEANS OF EGRESS, PASSIVE AND ACTIVE FIRE PROTECTION, HEATING AND VENTILATING SYSTEMS, HANDICAPPED ACCESSIBILITY AND PLUMBING FACILITIES.
- NEW CONSTRUCTION MUST COMPLY WITH THE CURRENT EDITION OF THE UNIFORM STATEWIDE BUILDING CODE (USBC).
- BEFORE A BUILDING PERMIT CAN BE ISSUED ON ANY PROPOSED FUTURE ALTERATIONS, A CERTIFICATION IS REQUIRED FROM THE OWNER OR OWNER'S AGENT THAT THE BUILDING HAS BEEN INSPECTED BY A LICENSED ASBESTOS INSPECTOR FOR THE PRESENCE OF ASBESTOS.
- A CERTIFICATE OF OCCUPANCY SHALL BE OBTAINED PRIOR TO ANY OCCUPANCY OF THE BUILDING OR PORTION THEREOF.
- REQUIRED EXITS, PARKING, AND ACCESSIBILITY WITHIN THE BUILDING FOR PERSONS WITH DISABILITIES MUST COMPLY WITH USBC CHAPTER 11. HANDICAPPED ACCESSIBLE BATHROOMS SHALL ALSO BE PROVIDED.
- TOILET FACILITIES FOR PERSONS WITH DISABILITIES: LARGER, DETAILED, DIMENSIONED DRAWINGS ARE REQUIRED TO CLARIFY SPACE LAYOUT AND MOUNTING HEIGHTS OF AFFECTED ACCESSORIES. INFORMATION ON DOOR HARDWARE FOR THE TOILET STALL IS REQUIRED (USBC 1109.2.2).
- IF APPLICABLE, ENCLOSED PARKING GARAGES MUST BE VENTILATED IN ACCORDANCE WITH USBC 406.4.2. THE REQUIRED MECHANICAL VENTILATION RATE FOR AIR I 0.75 CFM PER SQUARE FOOT OF THE FLOOR AREA (USBC 2801.1). IN AREAS WHERE MOTOR VEHICLES OPERATE FOR A PERIOD OF TIME EXCEEDING 10 SECONDS THE VENTILATION RETURN AIR MUST BE EXHAUSTED. AN EXHAUST SYSTEM MUST BE PROVIDED TO CONNECT DIRECTLY TO THE MOTOR VEHICLE EXHAUST (USBC
- ELECTRICAL WIRING METHODS AND OTHER ELECTRICAL REQUIREMENTS MUST COMPLY WITH NFPA 70, 2008.
- 9. IF APPLICABLE, THE PUBLIC PARKING GARAGE FLOOR MUST COMPLY WITH USBC 406.2.6 AND DRAIN THROUGH OIL SEPARATORS OR TRAPS TO AVOID ACCUMULATION OF EXPLOSIVE VAPORS IN BUILDING DRAINS OR SEWERS AS PROVIDED FOR IN THE PLUMBING CODE (USBC 2901). THIS PARKING GARAGE IS CLASSIFIED AS AN S-2, GROUP 2, PUBLIC GARAGE.
- 10. THIS PROJECT IS NOT LOCATED IN A COMBINED SEWER AREA.
- 11. THIS SITE DOES CONTAIN AREAS PREVIOUSLY MAPPED AS MARINE CLAYS.
- 12. THIS SITE IS NOT LOCATED WITHIN 1,000 FEET OF A FORMER LANDFILL OR OTHER DUMP SITE.

COMPLETE STREETS INF	ORMATIO	N:
	NEW	UPGRADED
CROSSWALKS (NUMBER)	N/A	N/A
STANDARD	N/A	N/A
HIGH VISIBILITY	N/A	N/A
CURB RAMPS	N/A	N/A
SIDEWALKS (LF)	N/A	N/A
BICYCLE PARKING (NUMBER SPACES)	N/A	N/A
PUBLIC/VISITOR	N/A	N/A
PRIVATE/GARAGE	N/A	N/A
BICYCLE PATHS (LF)	N/A	N/A
PEDESTRIAN SIGNALS	N/A	N/A

#### SURVEYOR'S CERTIFICATION

ROBERTO TORRES, HEREBY CERTIFY THAT THIS PROPERTY IS IN THE NAME OF CHURCH SCHOOLS IN THE DIOCESE OF VIRGINIA AS RECORDED AT DB 625 PG 519 AMONG THE LAND RECORDS OF THE CITY OF ALEXANDRIA, VA.



THE APPLICANT REQUESTS A DEVELOPMENT SPECIAL USE PERMIT WITH A SITE PLAN (DSUP) TO EXPAND THE EXISTING PRIVATE SCHOOL GOVERNED BY DSUP #2016-0103 TO PERMIT THE CONSTRUCTION OF A BUILDING ADDITION AND SITE IMPROVEMENTS. SITE IMPROVEMENTS INCLUDE, BUT ARE NOT LIMITED TO, THE RECONFIGÜRATION OF THE EXISTING DRIVE AISLE AND PARKING, PROPOSED HARDSCAPING, PROPOSED LANDSCAPING, AND PROPOSED PARKING. DURING THE PERIOD OF CONSTRUCTION, THE SCHOOL WILI CONDUCT CLASSES IN A MODULAR BUILDING OF APPROXIMATELY 10,000 SF. DINING FACILITIES WILL BE PROVIDED IN A SEPARATE MODULAR BUILDING.

#### REQUESTED APPLICATIONS AND MODIFICATIONS:

SUP TO EXPAND THE EXISTING PRIVATE SCHOOL GOVERNED BY SUP #2016-0103 TO CONSTRUCT A BUILDING ADDITION AND ASSOCIATED SITE IMPROVEMENTS AND TO AMEND SUP #2016-0103 CONDITION 3 TO INCREASE ENROLLMENT TO 520 STUDENTS.

PURSUANT TO SECTION 7-1101 (C) SUP TO PERMIT TEMPORARY TRAILERS

#### OWNER/DEVELOPER

**VICINITY MAP** 

CHURCH SCHOOLS IN THE DIOCESE OF VIRGINIA 1000 ST. STEPHENS RD ALEXANDRIA, VA 22314 D.B. 625 P.G. 519

WASHINGTON, DC 20007 (202) 965-7070 CONTACT: JOANNA SCHMICKEL DEVELOPER: ST. STEPHEN'S AND ST. AGNES SCHOOL 1000 ST. STEPHENS RD

PLAN PREPARED BY: R.C. FIELDS & ASSOCIATES, INC. 700 S. WASHINGTON STREET. SUITE 220 ALEXANDRIA, VA 22314 (703) 549-6422 CONTACT: ALEX HOLLEMAN

COX GRAAE + SPACK ARCHITECTS

2909 M STREET NW

ATTORNEY: LAND, CARROLL, & BLAIR, PC. 524 KING STREET ALEXANDRIA, VA 22314 (703) 836-1000 CONTACT: DUNCAN BLAIR LANDSCAPE ARCHITECT

STUDIO39 6416 GROVESALE DRIVE. SUITE 100-A ALEXANDRIA, VA 22310 (703) 719-6500 CONTACT: DAN DOVE

17. LOADING SPACES:

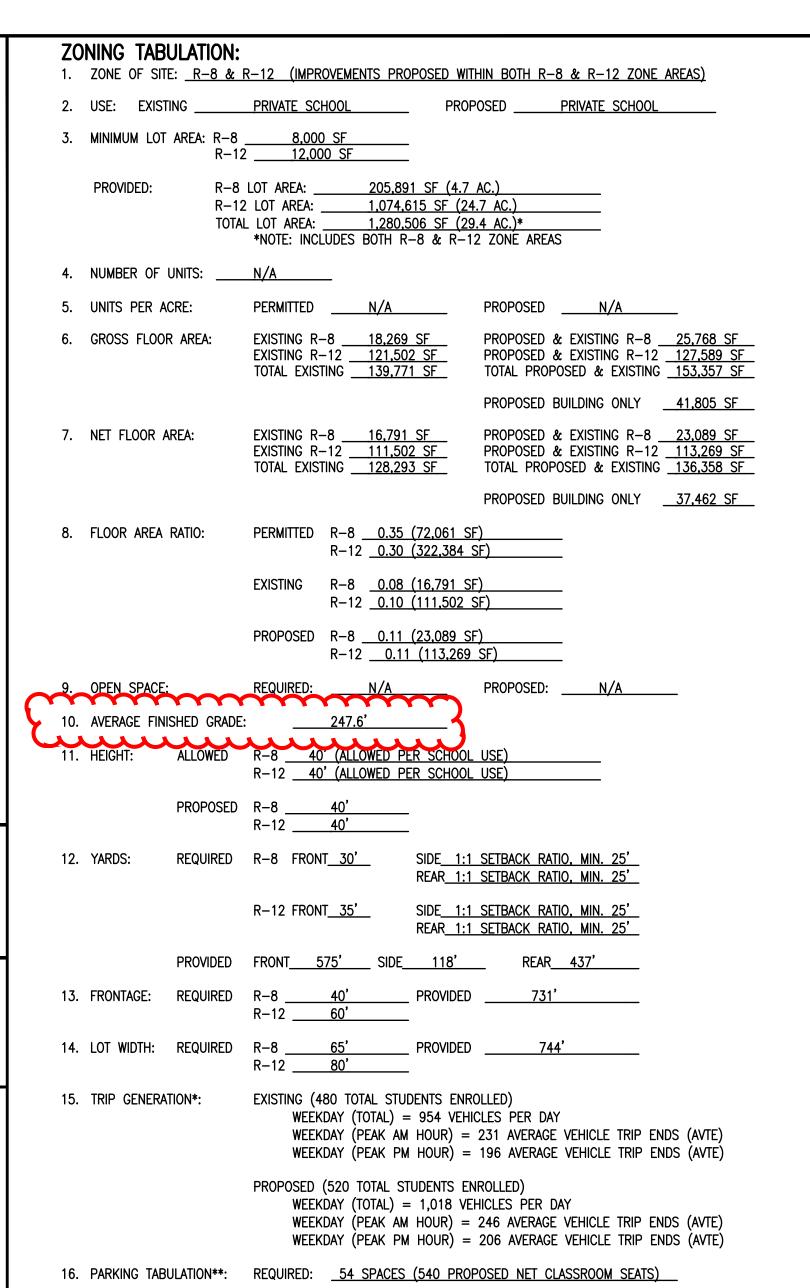
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ALEXANDRIA, VA 22314

CONTACT: BRIAN KANE

(703) 212-2912

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\* TRIP GENERATION IS BASED ON ITE STANDARD EQUATIONS USING STUDENT ENROLLMENT COUNTS \*\* REQUIRED PARKING TABULATION IS BASED ON CITY OF ALEXANDRIA ZONING ARTICLE VIII SEC. 8-200 (A)(11) HIGH SCHOOL; ONE SPACE REQUIRED PER EACH TEN CLASSROOM SEATS \*\*\* NO EXISTING ONSITE COUNT PERFORMED, EXISTING PARKING NUMBER TAKEN FROM PRIOR APPROVED PLAN DSP2000-0049; CHAPEL/PERFORMING ARTS CENTER

EXISTING PARKING TO BE REMOVED: 23 SPACES

COMPACT

STANDARD

ACCESSIBLE .

ACCESSIBLE

TOTAL PROVIDED PARKING

EXCESS PARKING

ZONING REQUIRED PARKING <u>54 SPACES</u> COMPACT <u>32 SPACES</u>

STANDARD <u>22 SPACES</u>

PROVIDED<u>N/A</u>

43 SPACES

0 SPACES

196 SPACES 250 SPACES

0 SPACES

EXISTING: 230 SPACES\*\*\*

PROPOSED PARKING:

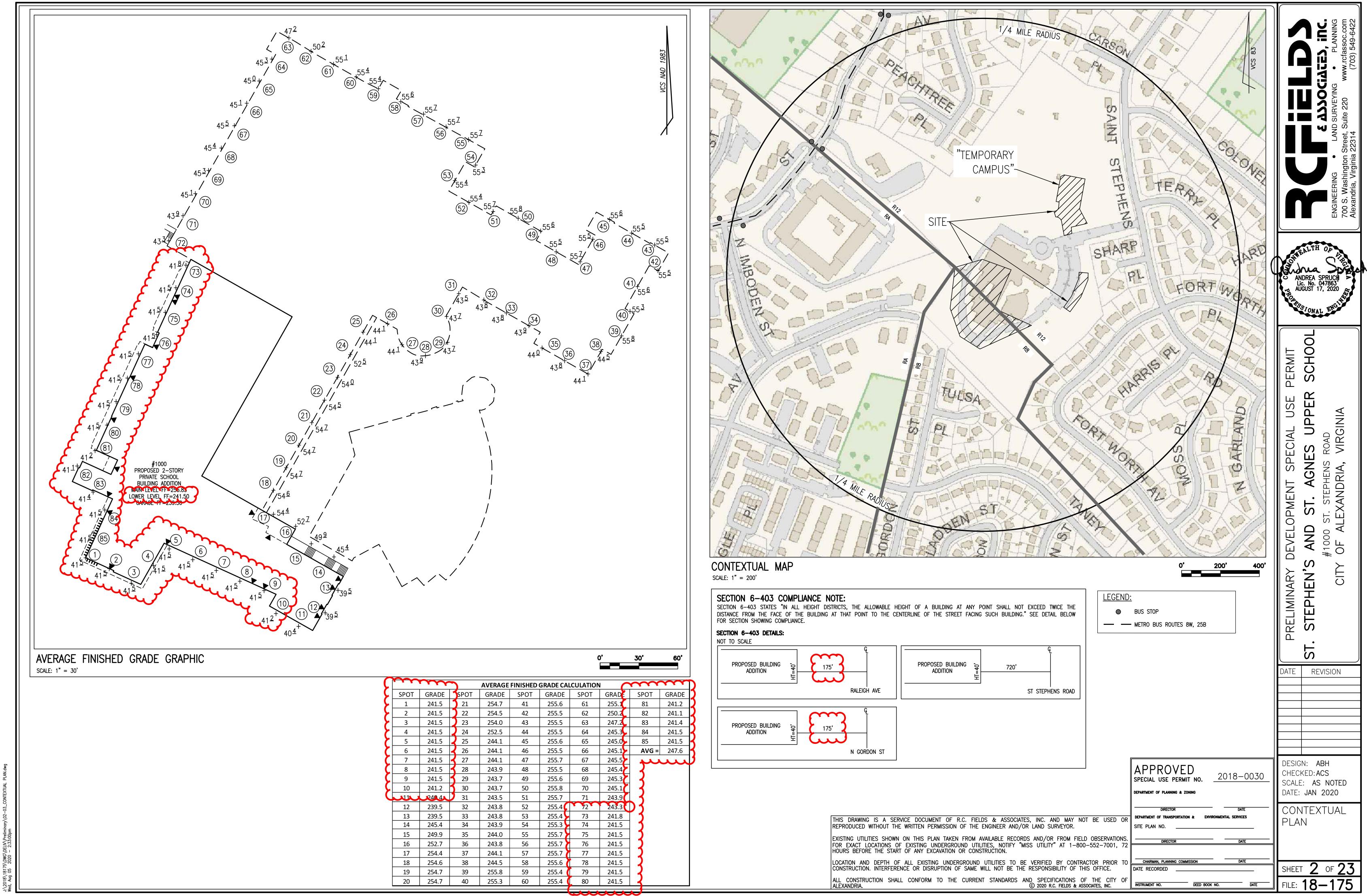
REQUIRED N/A

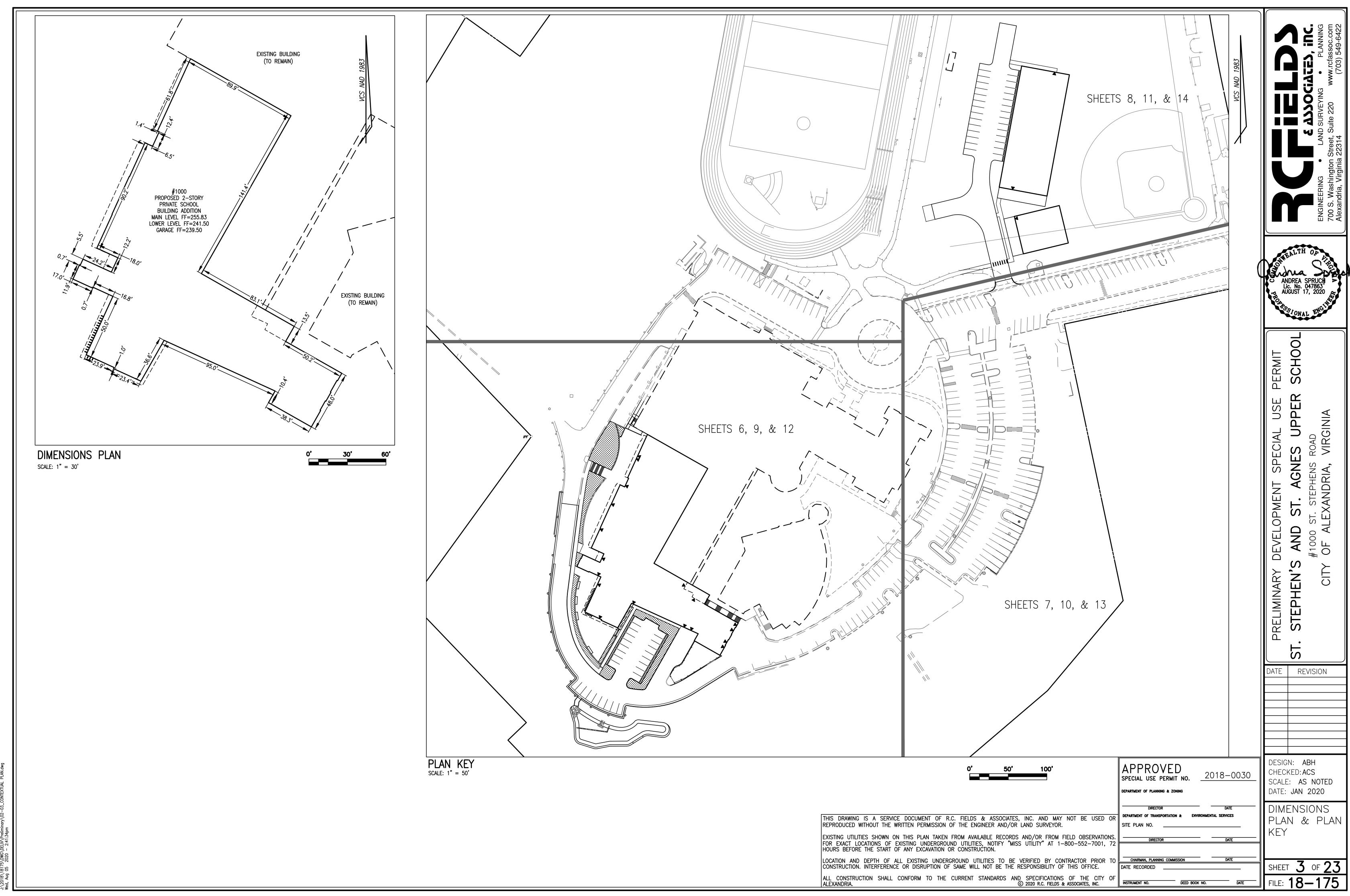
UILDING CODE ANALYSIS:						
USE:	SCH00L					
302 3.133. 1	MIXED-USE NON SEPARATED ACCESSORY OCCUPANCIES: E (EDUCATIONAL), B (BUSINESS), S1 (STORAGE), & A3 (ASSEMBLY)					
TYPE OF CONSTRUCTION:	II-B					
NUMBER OF STORIES:	2 STORY WITH 3-STORY PORTION					
FLOOR AREA (GROSS):	153,357 SF					
FLOOR AREA (NET):	136,358 SF					
BUILDING FOOT PRINT AREA:	81,300 SF (INCLUDES EXISTING BUILDING)					
BUILDING HEIGHT:	T: 40'					
FIRE SUPPRESSION/DETECTION:	FULLY SPRINKLERED					

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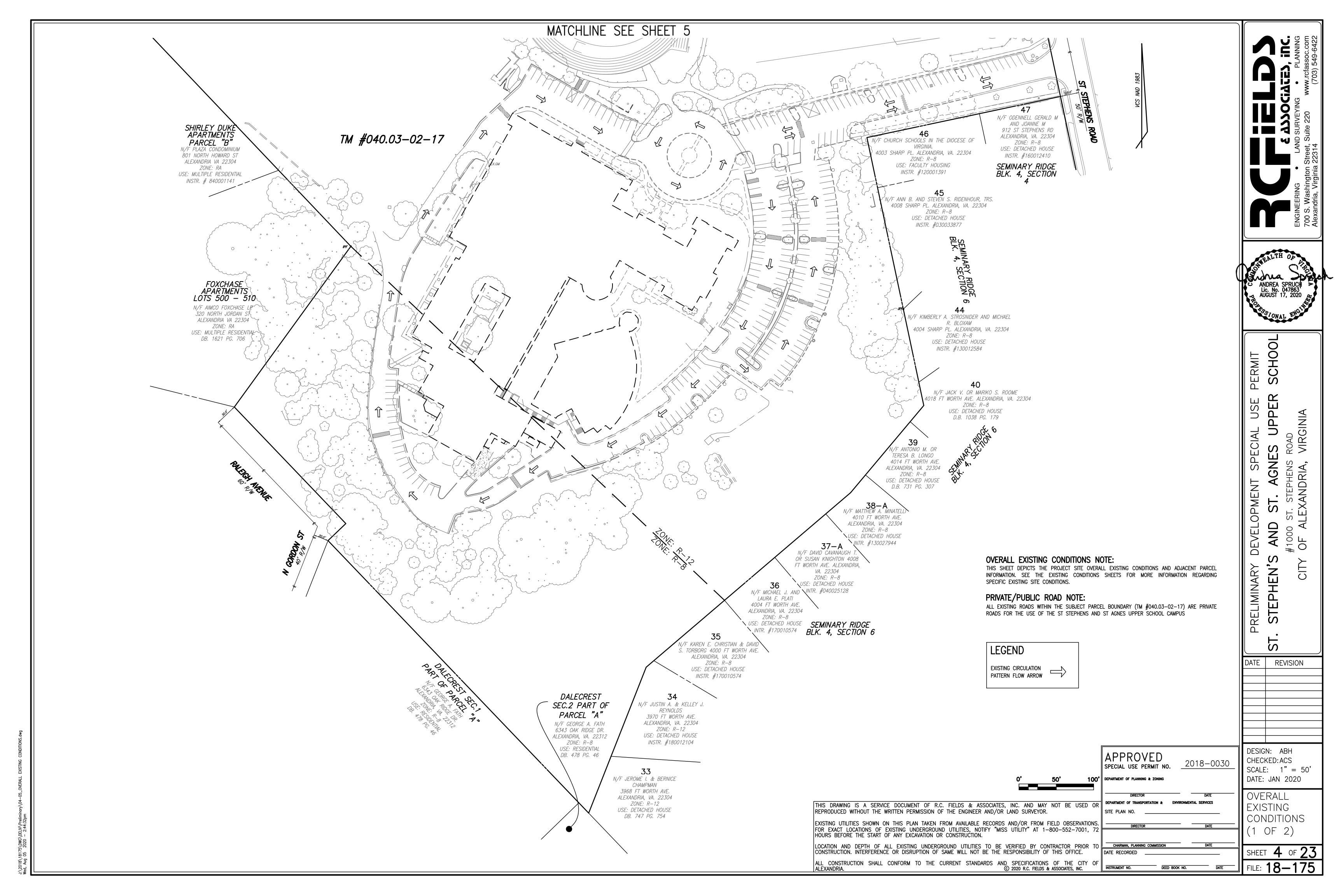
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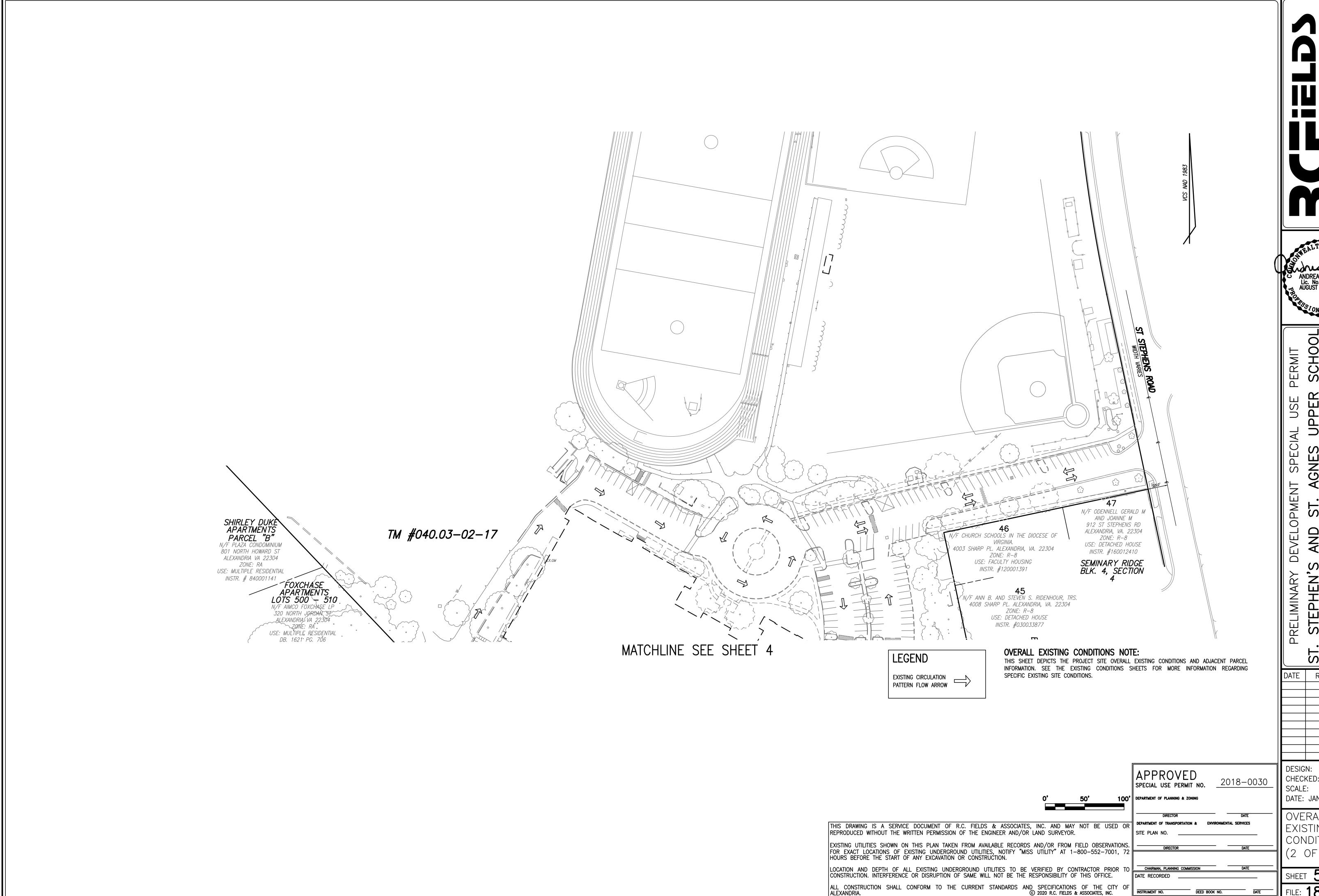
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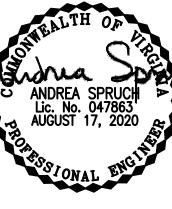




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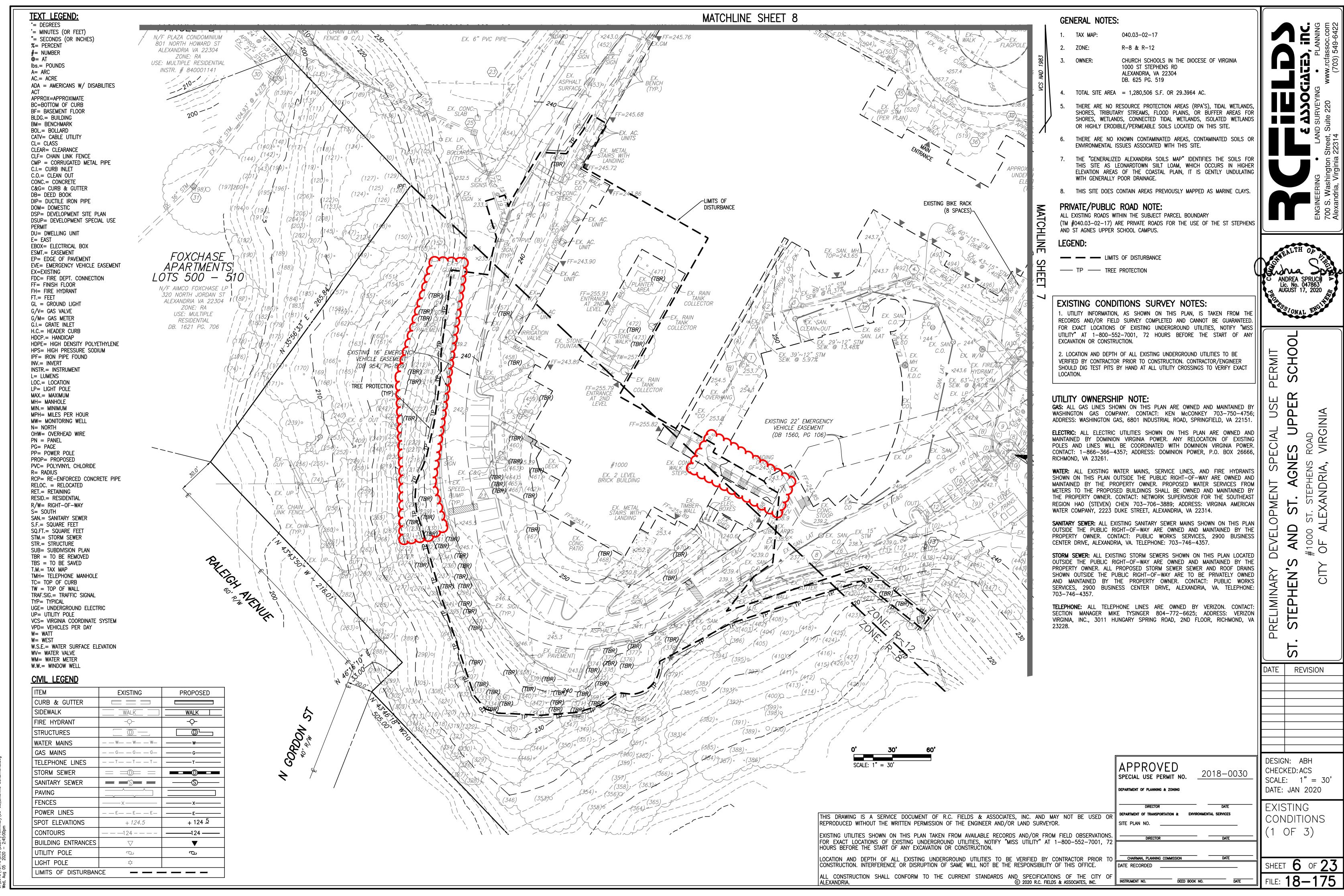
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DATE REVISION

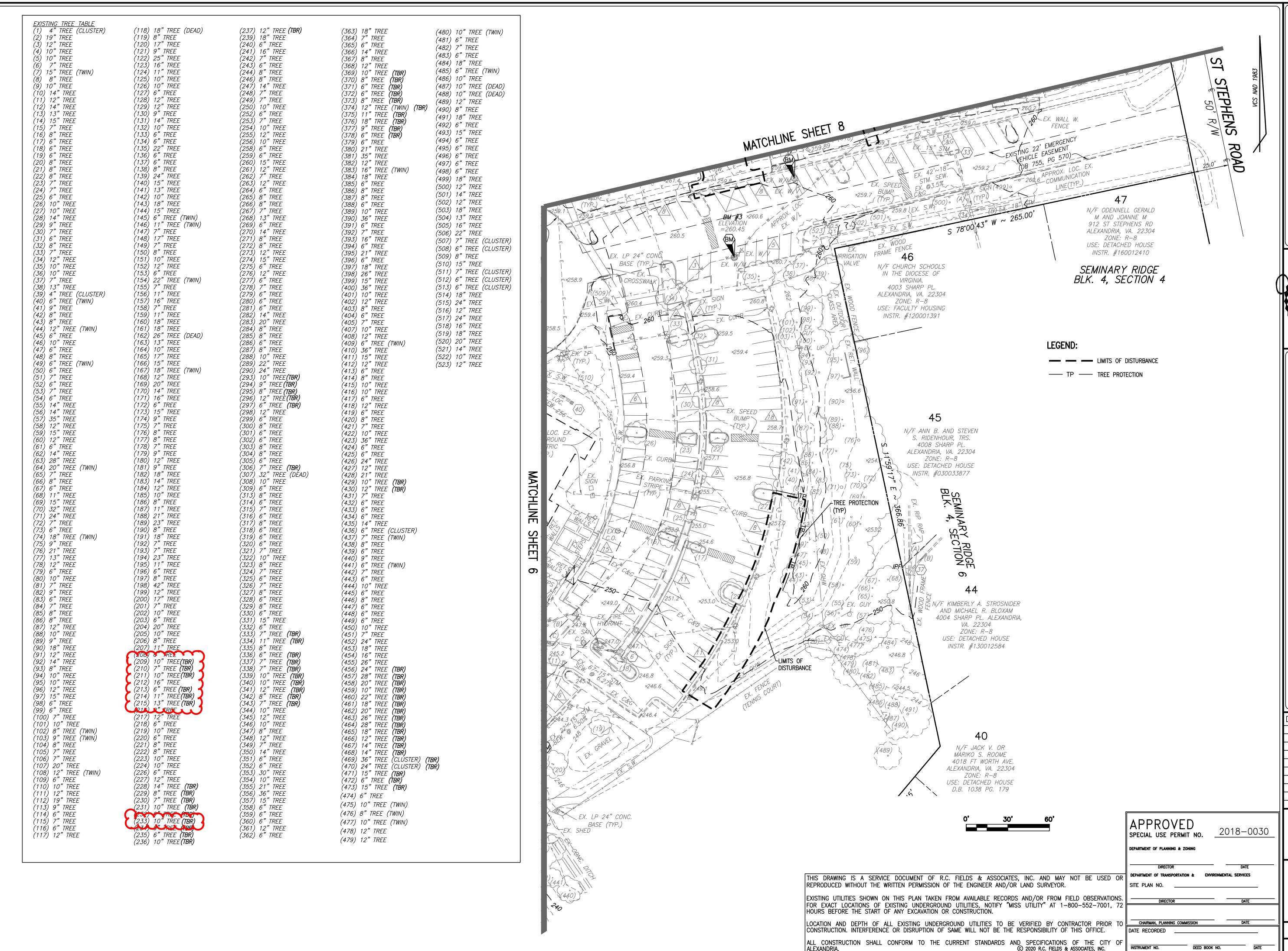
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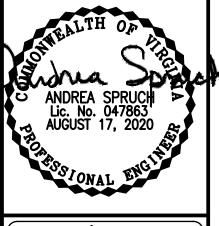
OVERALL EXISTING CONDITIONS (2 OF 2)

FILE: 18-175



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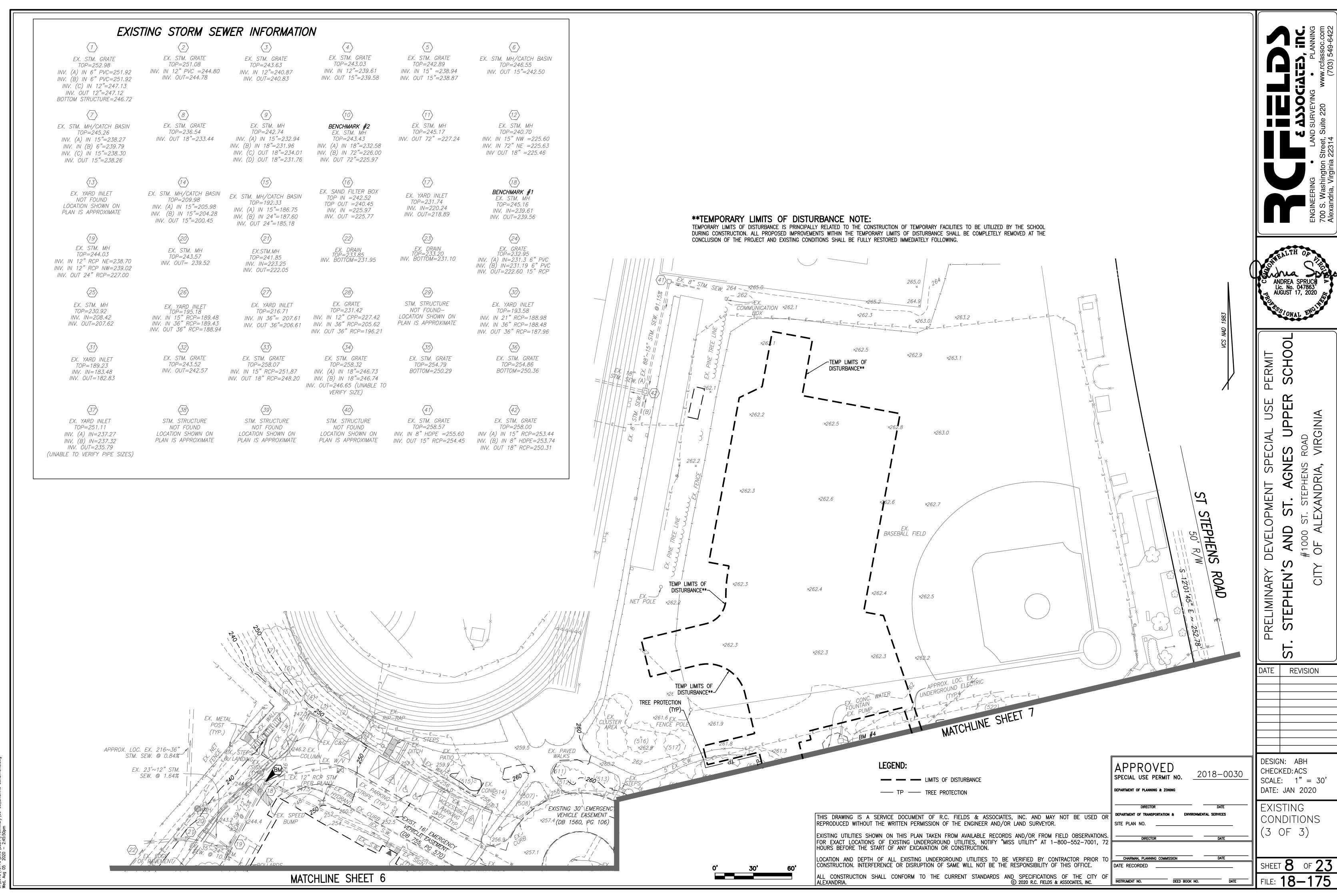


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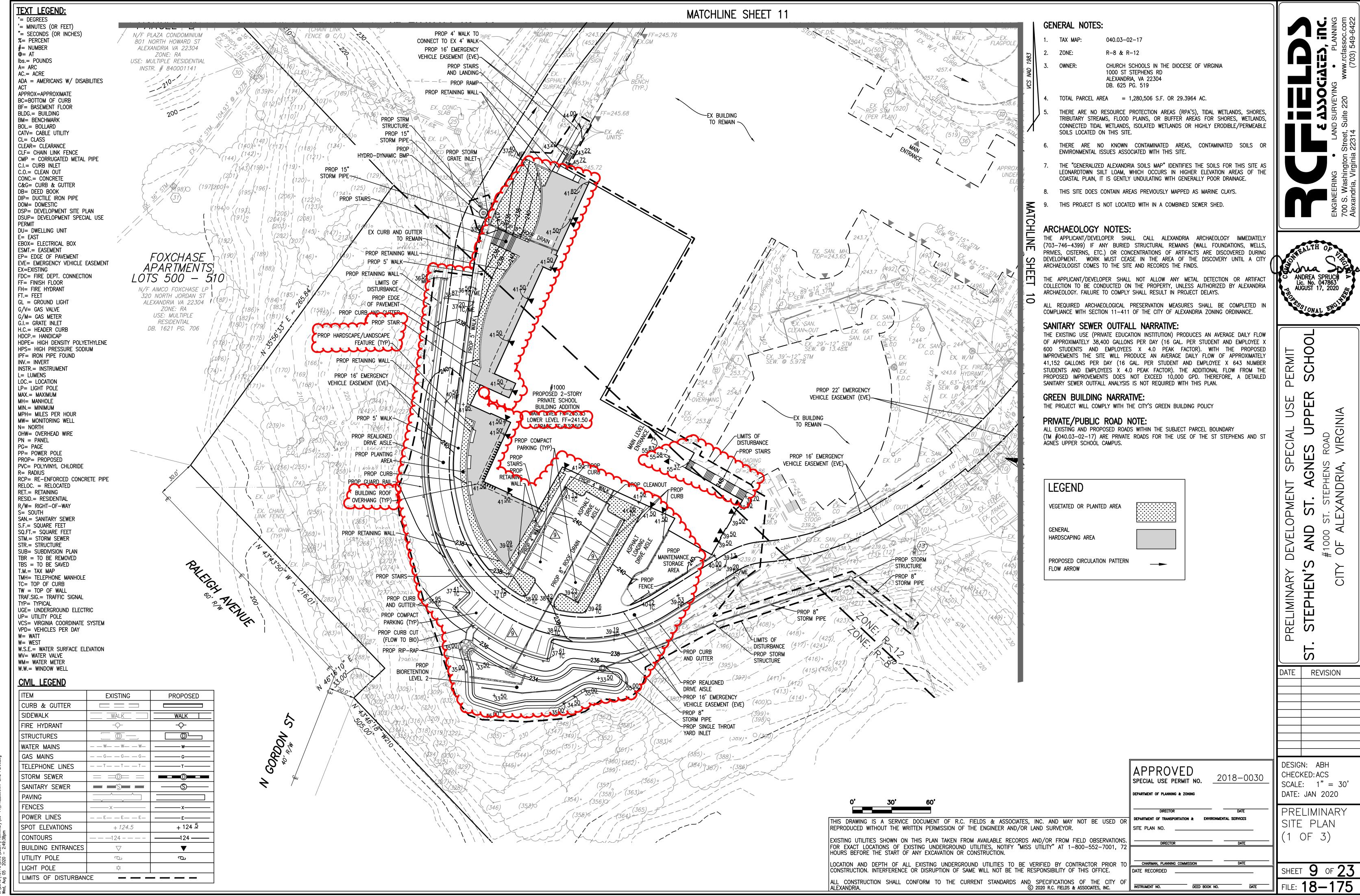
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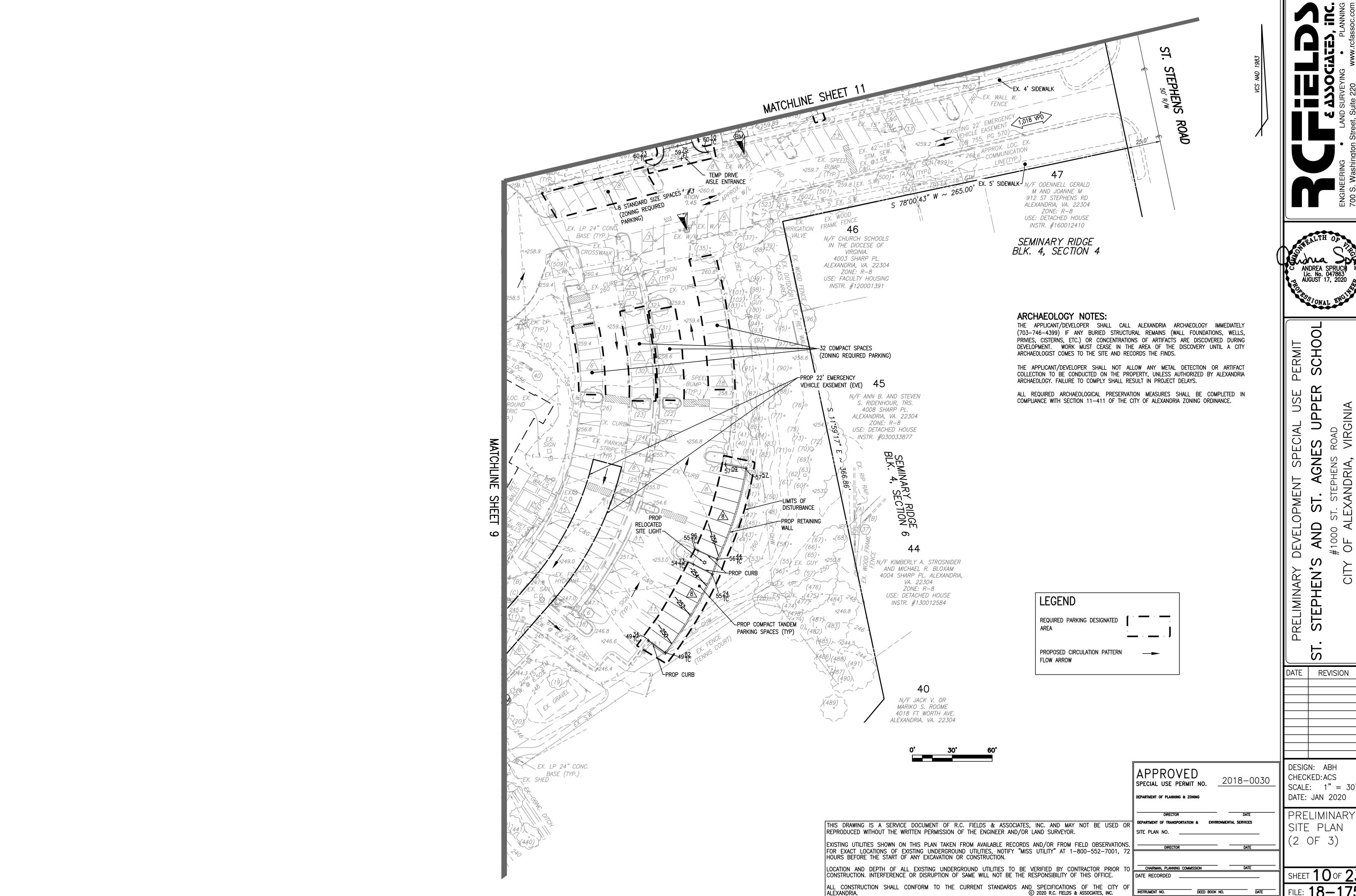
EXISITNG CONDITIONS (2 OF 3)

FILE: 18—



SHEET **8** OF **23** 

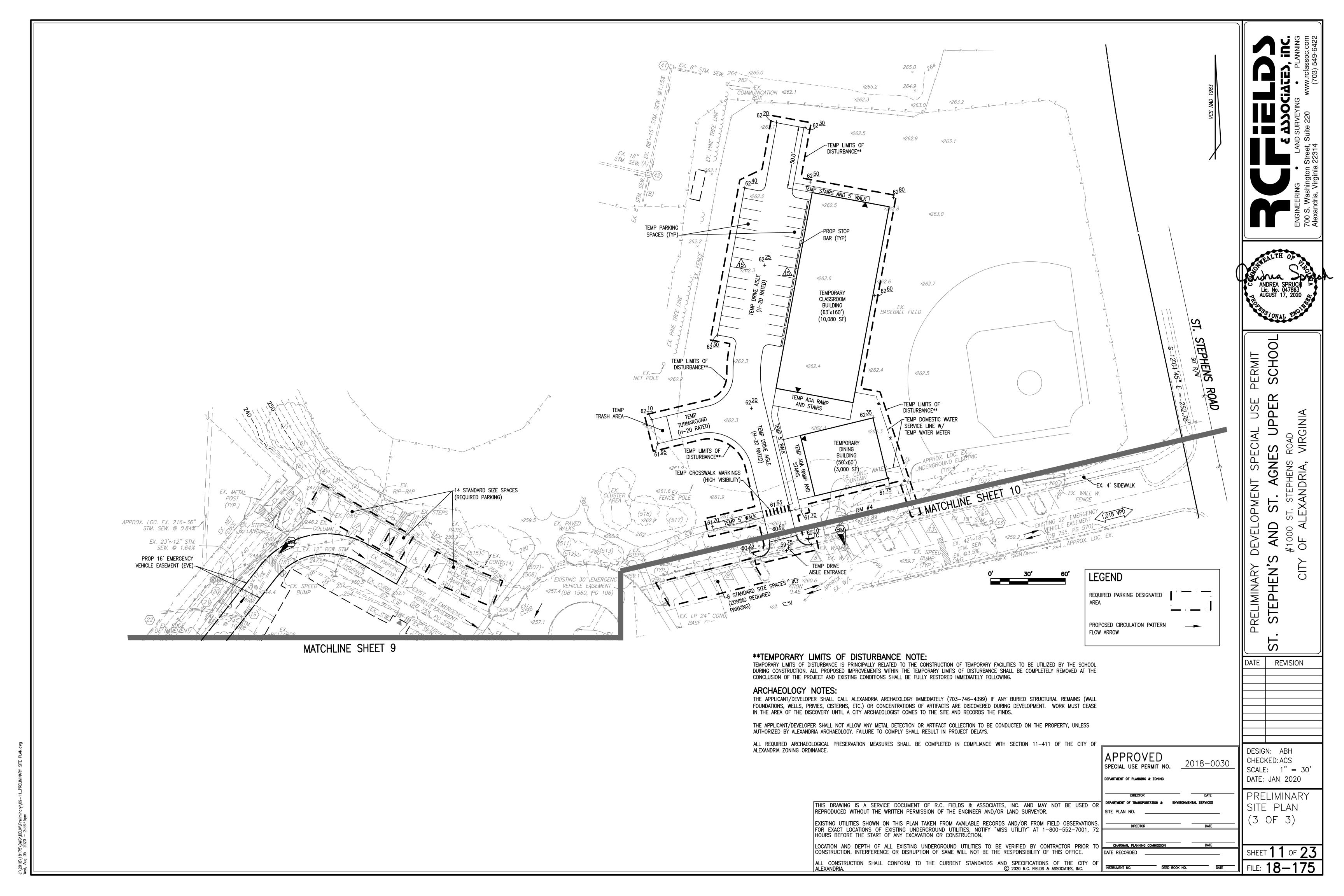


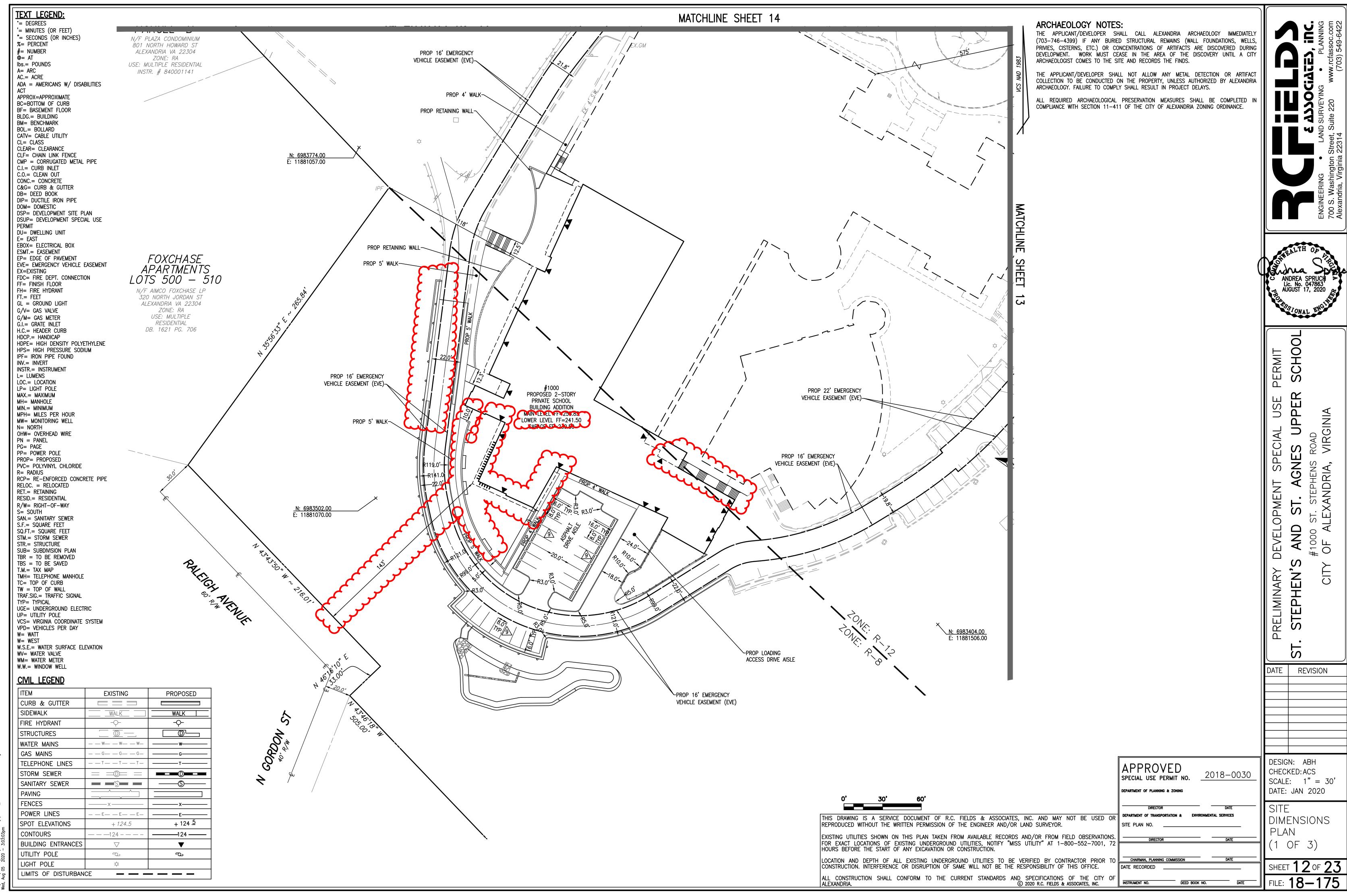




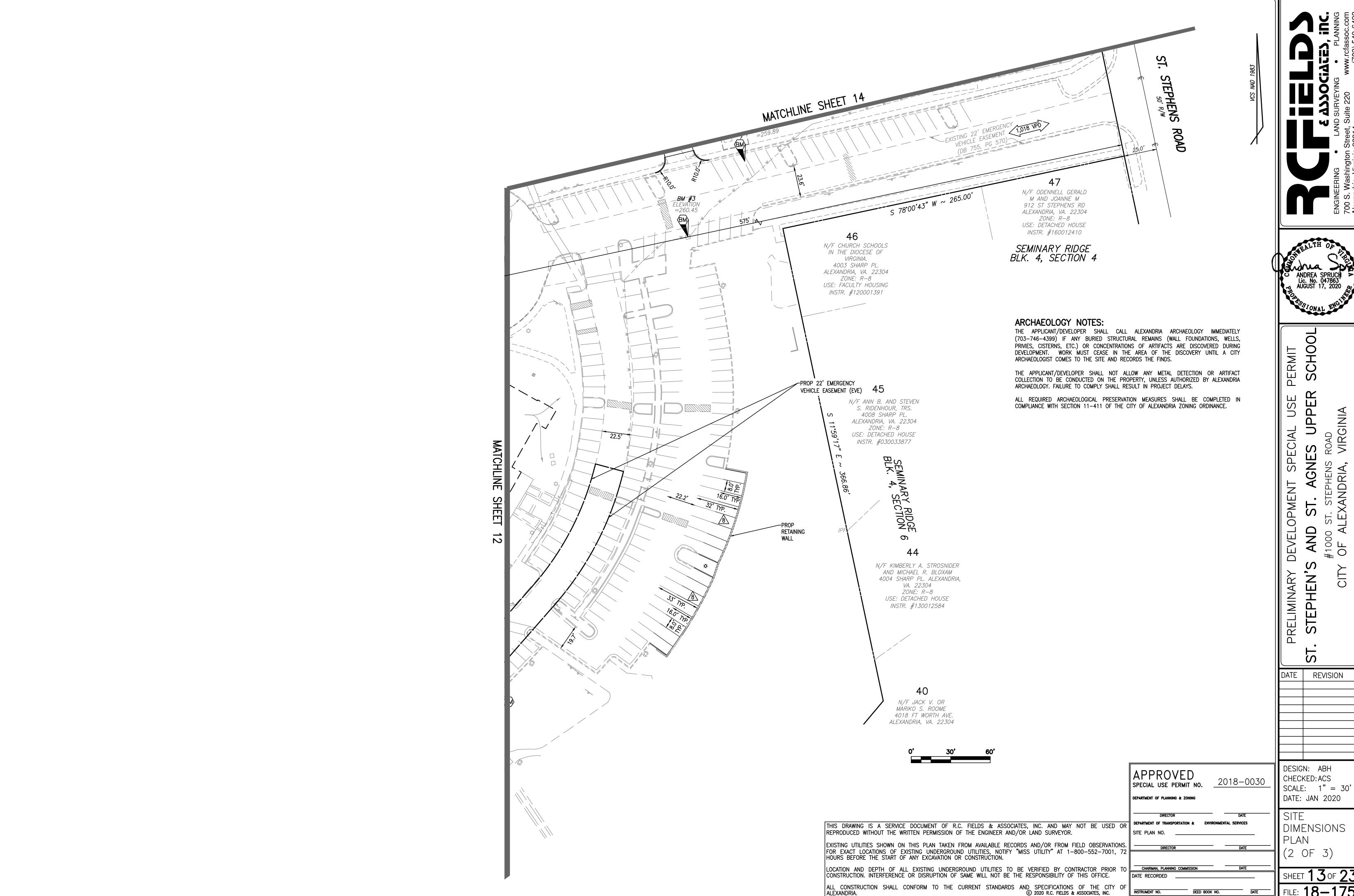
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PRELIMINARY

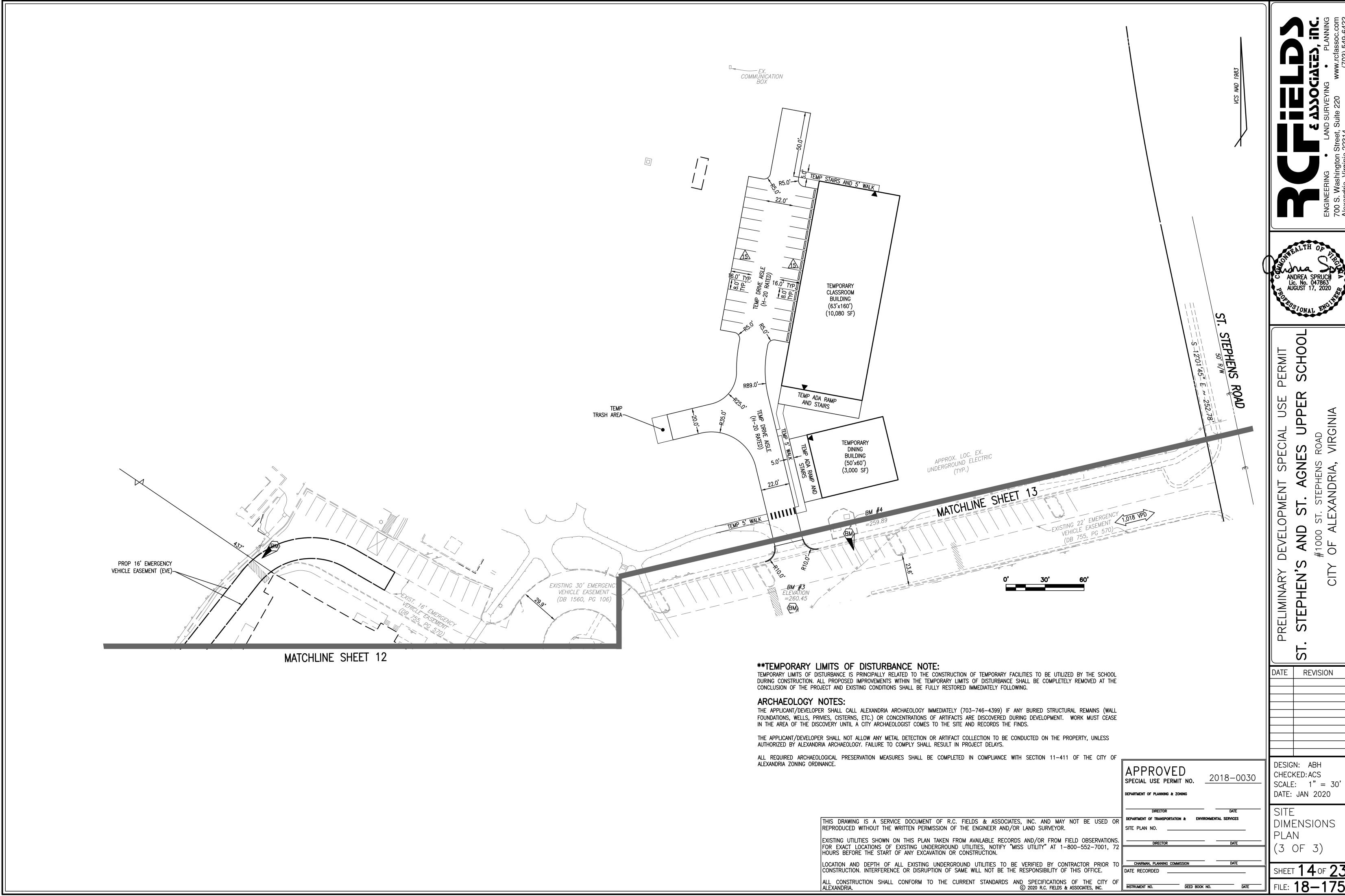




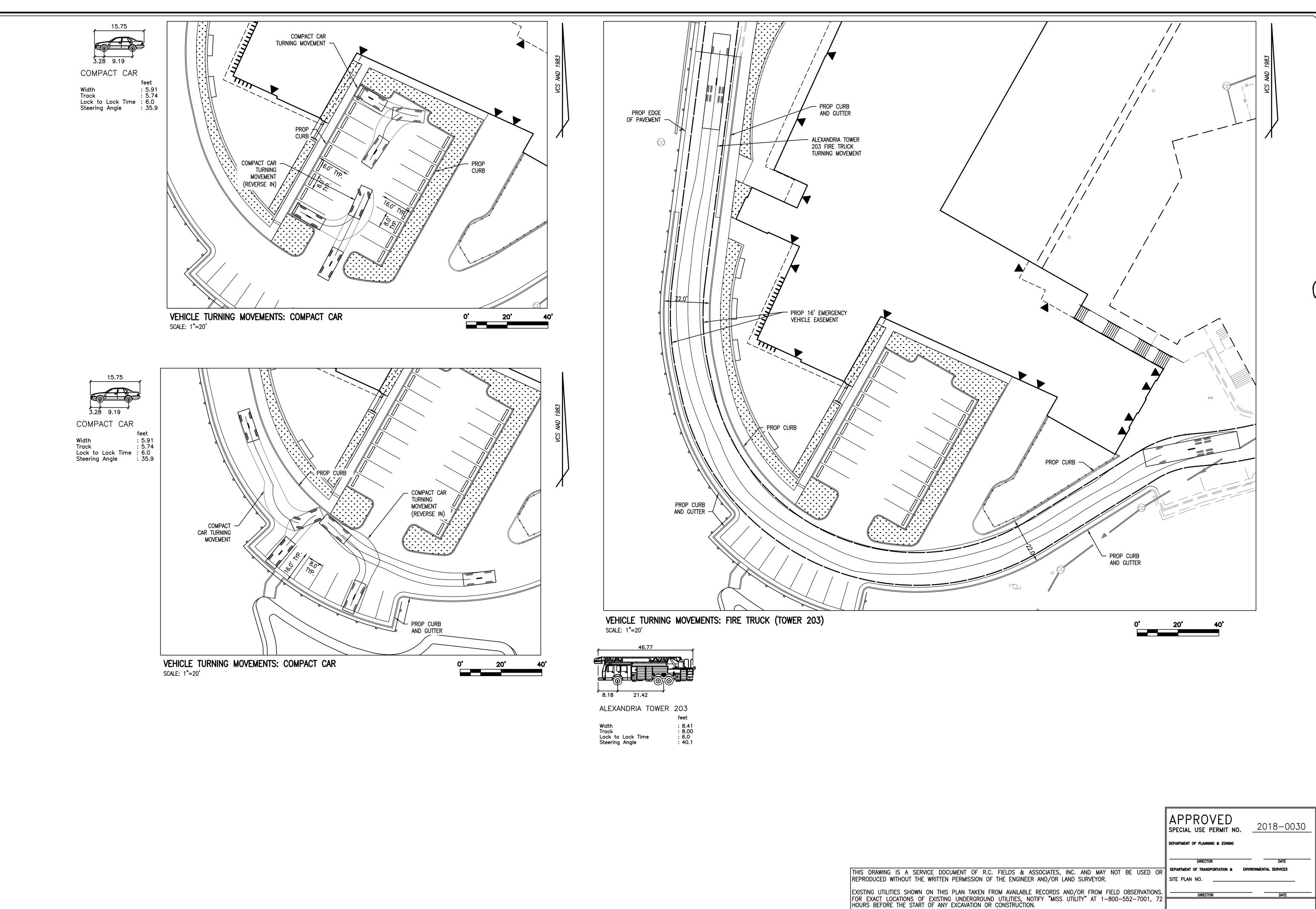
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INSTRUMENT NO. DEED BOOK NO.

LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. INTERFERENCE OR DISRUPTION OF SAME WILL NOT BE THE RESPONSIBILITY OF THIS OFFICE.

ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF THE CITY OF ALEXANDRIA.

DESIGN: ABH CHECKED: ACS SCALE: 1" = 20'DATE: JAN 2020

DATE REVISION

ROAD VIRGINIA

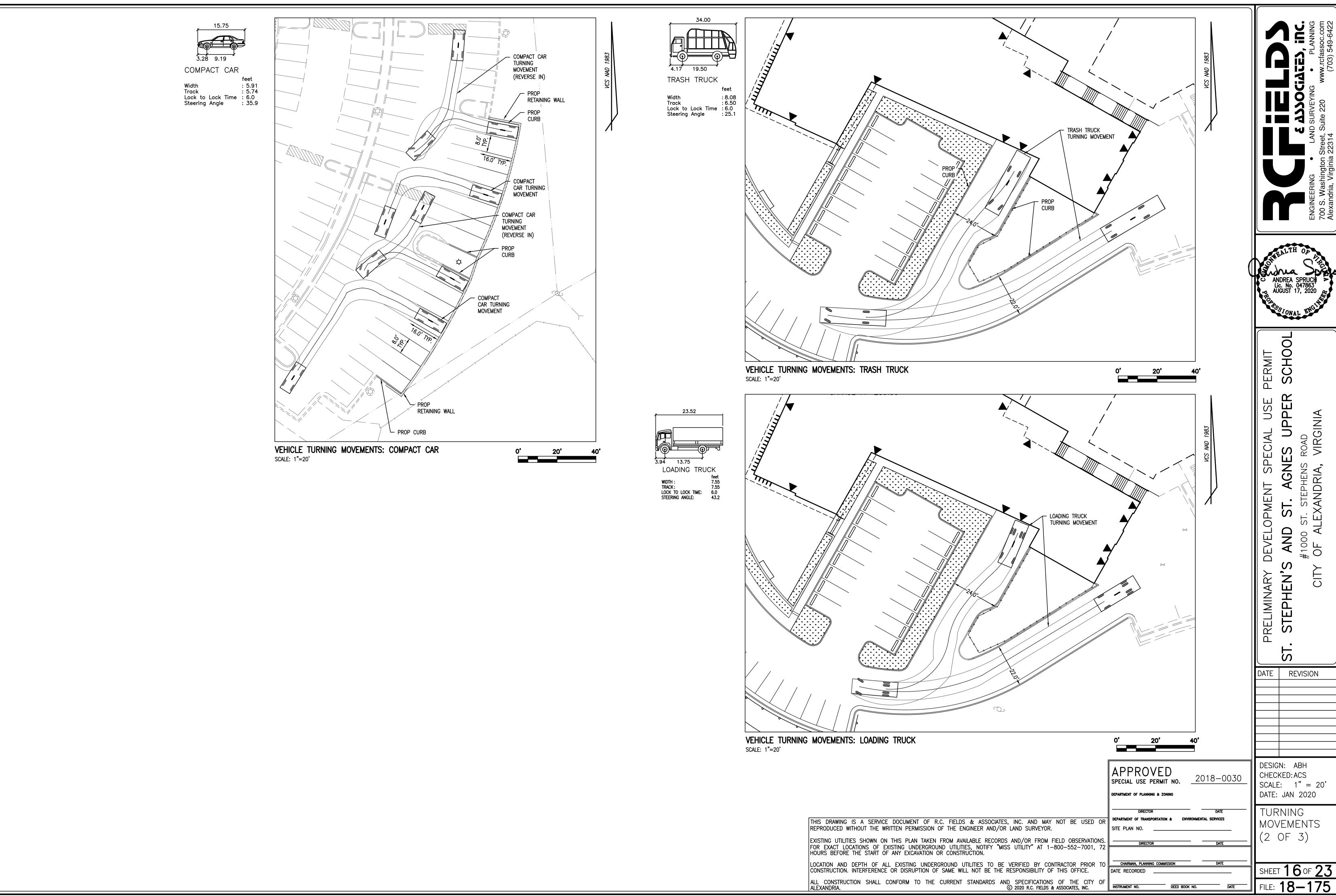
ALEXANDRIA,

#1000 **OF** 

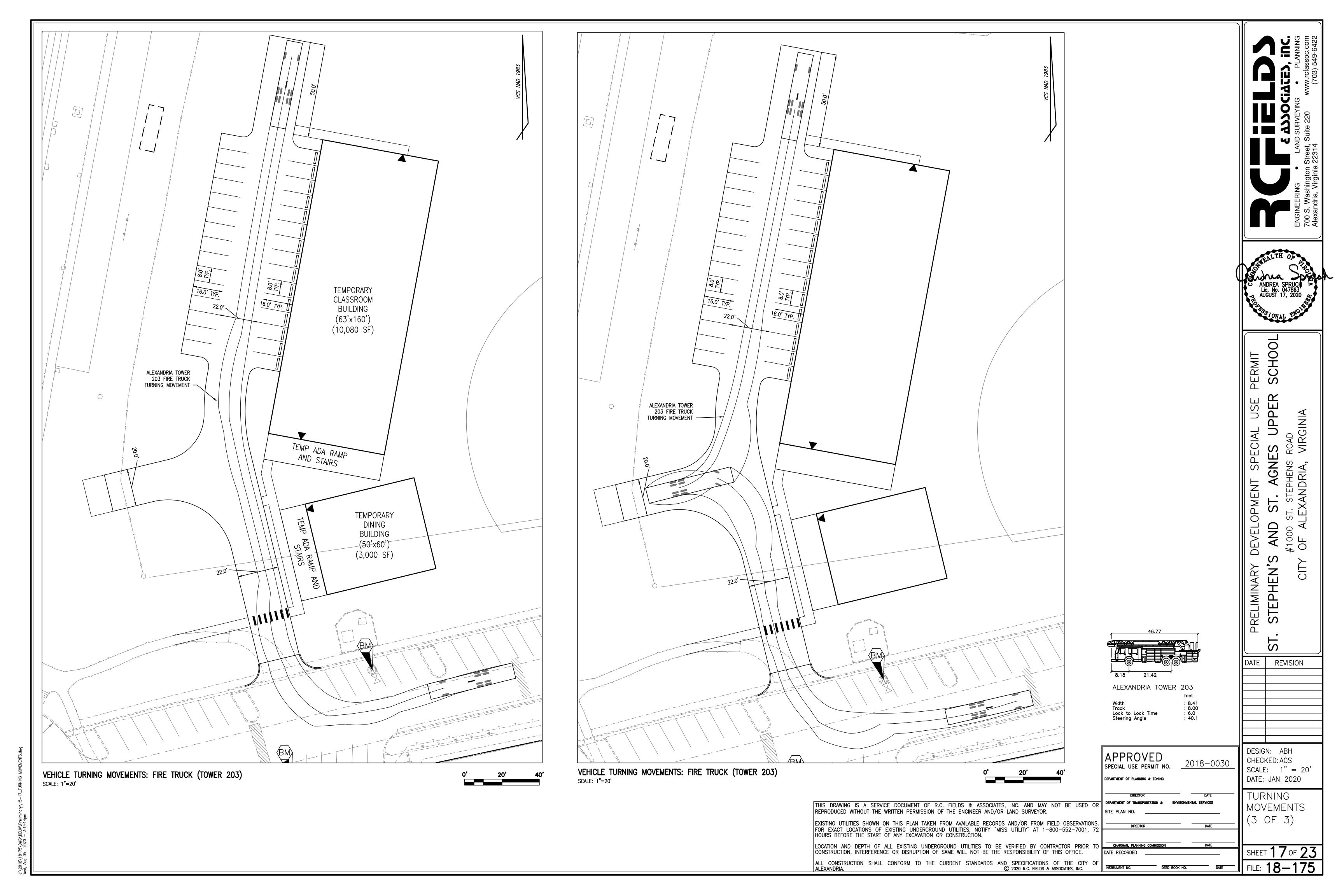
DEVELOPMENT

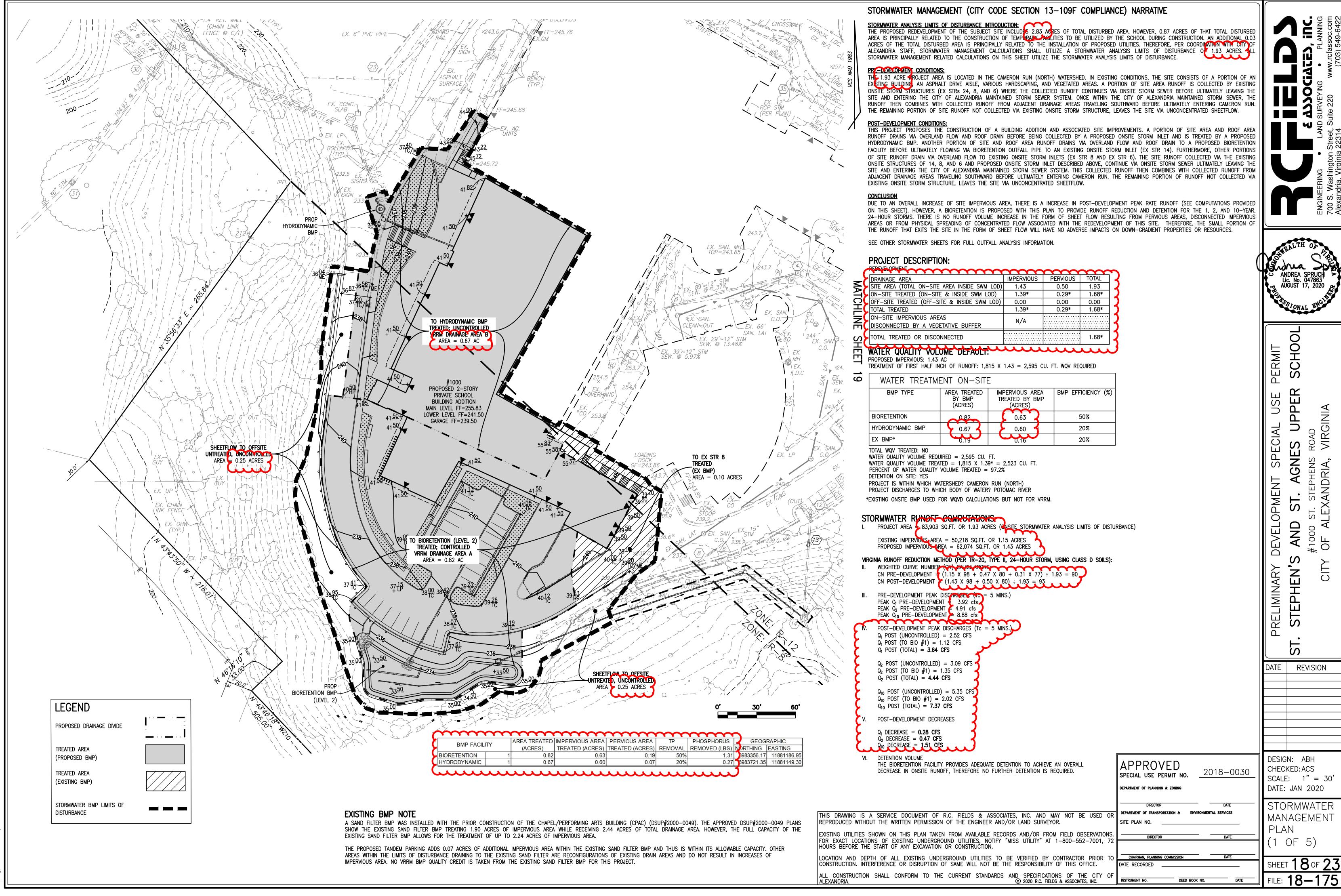
RELIMINARY

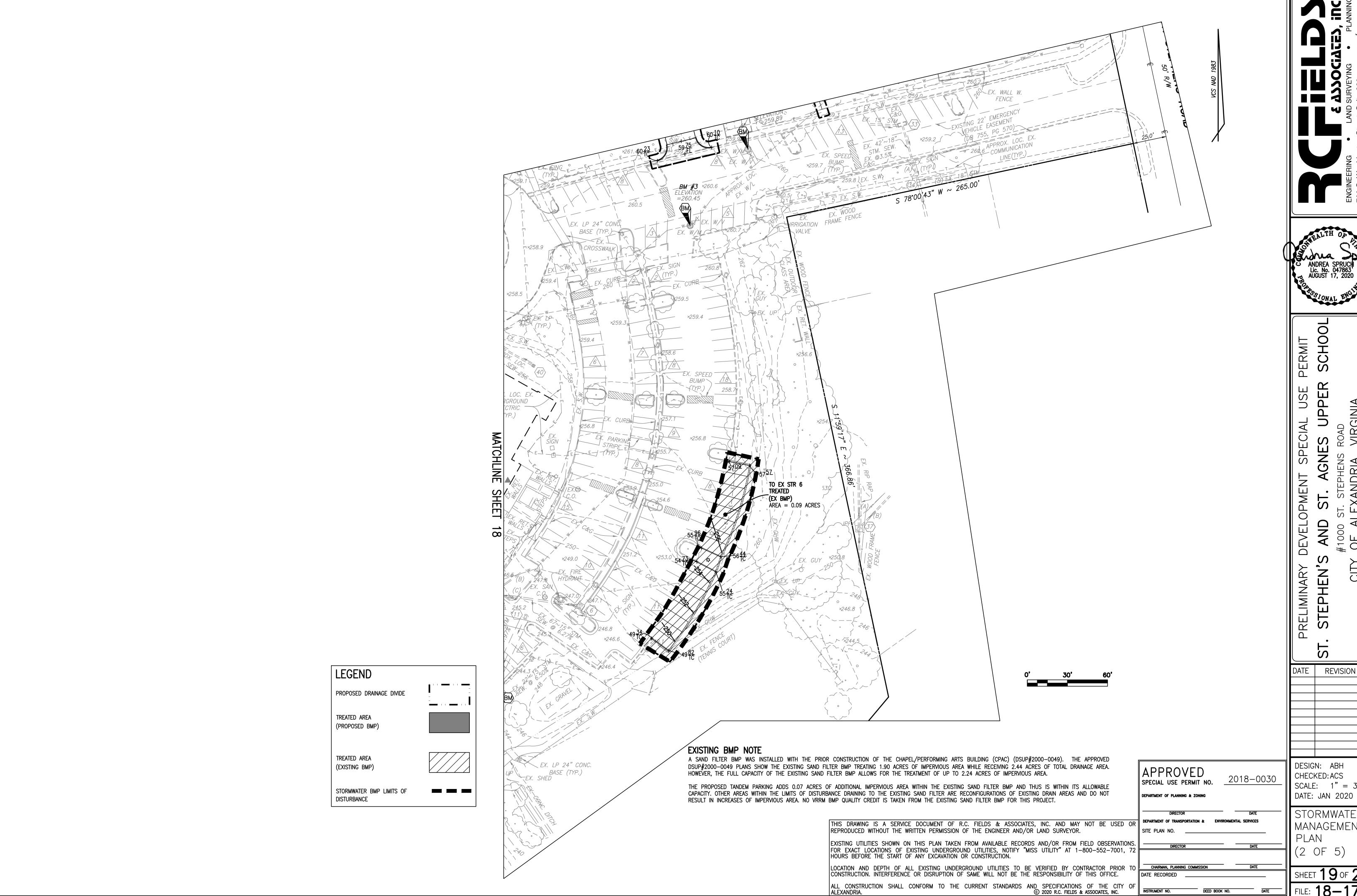
TURNING MOVEMENTS (1 OF 3)



SHEET 16 OF 23







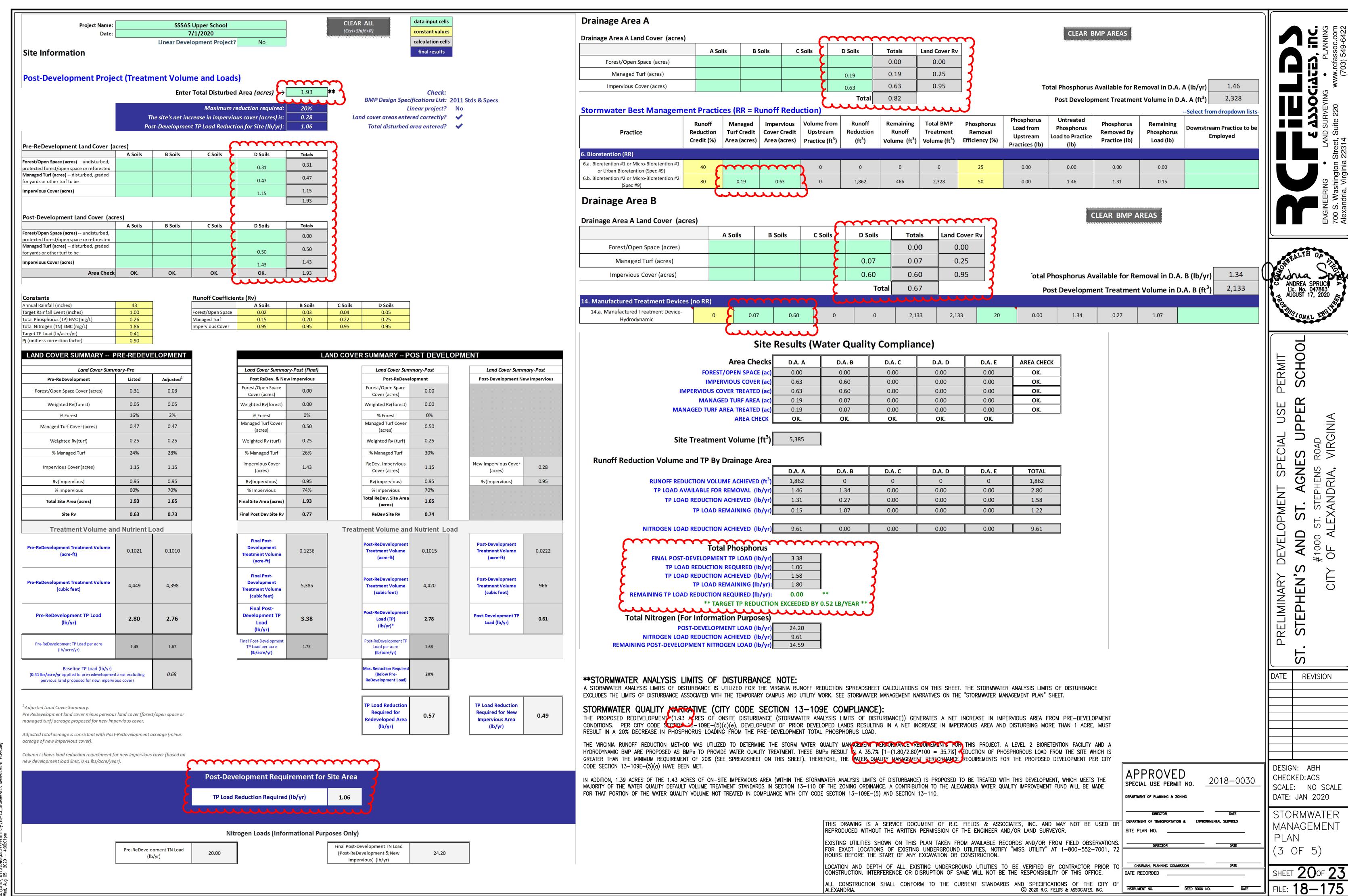


O ST. STEPHENS ALEXANDRIA, #10 0F

DATE | REVISION

DESIGN: ABH CHECKED: ACS SCALE: 1" = 30'

STORMWATER MANAGEMENT



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THE BIORETENTION TREATMENT VOLUME IS CALCULATED AS FOLLOWS: Tv = [(1.25"\*Ap\*Rv))/12]

THE MINIMUM BMP SURFACE AREA REQUIRED IS CALCULATED AS FOLLOWS: SA=Tv/Sd

Tv = TREATMENT VOLUME

Rv = RUNOFF COEFFICIENT FOR DRAINAGE AREA Sd = STORAGE DEPTH OF BIORETENTION Dp = PONDING DEPTH (0.5')

Dfm = DEPTH OF FILTER MEDIA (3') Nfm = VOID RATIO OF FILTER MEDIA (0.25) Dg = DEPTH OF GRAVEL BED (1.25')= VOID RATIO OF GRAVEL BED (0.40)

SA = SURFACE ARFA TOTAL ON-SITE DRAINAGE AREA TO BMP= 0.82 AC IMPERVIOUS ON-SITE AREA TO BMP= 0.63 AC PERVIOUS ON-SITE AREA TO BMP= 0.19 AC

Rv = [(0.95\*0.63) + (0.25\*0.19)]/0.82 = 0.79

REQUIRED BIORETENTION TREATMENT VOLUME: Tv=[(1.25"\*35,583\*0.79)/12 Tv=2,928 SF

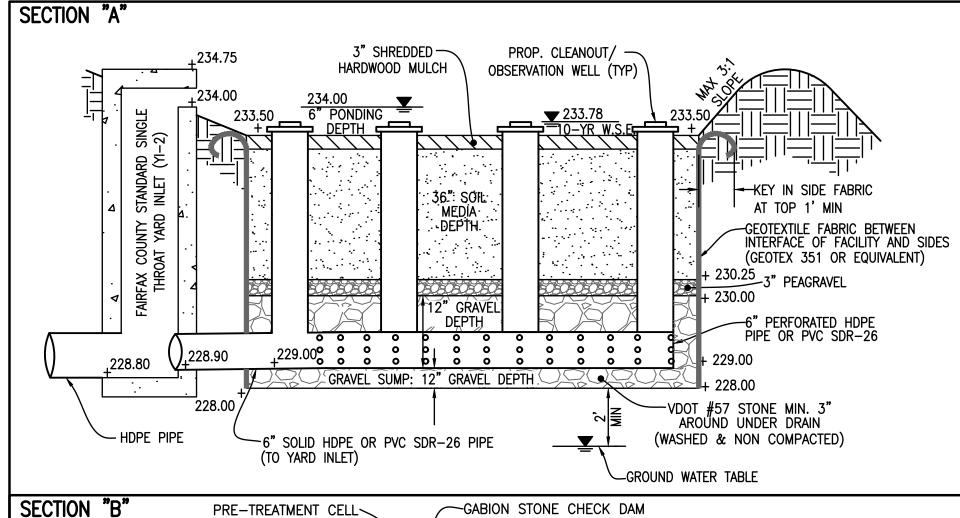
BIORETENTION STORAGE DEPTH: Sd=0.5+(3\*0.25)+(1.25\*0.4)Sd=1.75'

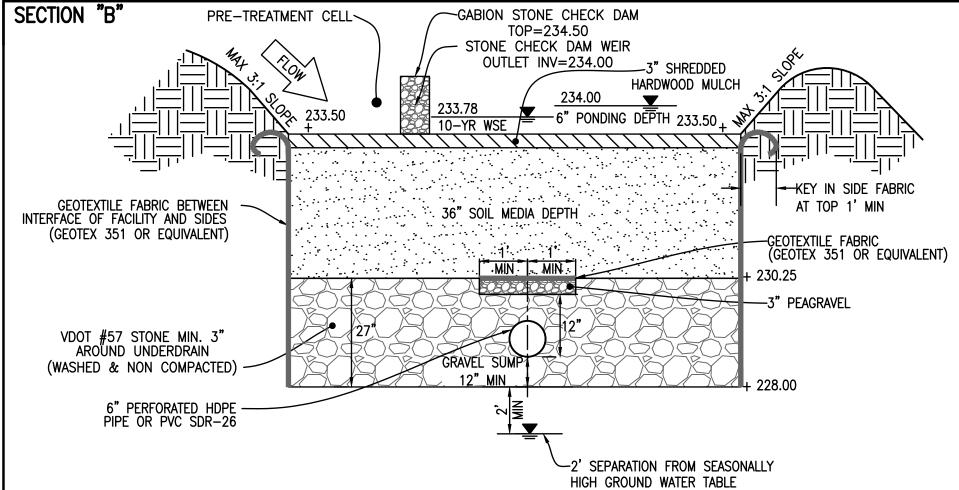
SA=1,674 SF

MINIMUM BMP SURFACE AREA REQUIRED: SA=2,928/1.75'

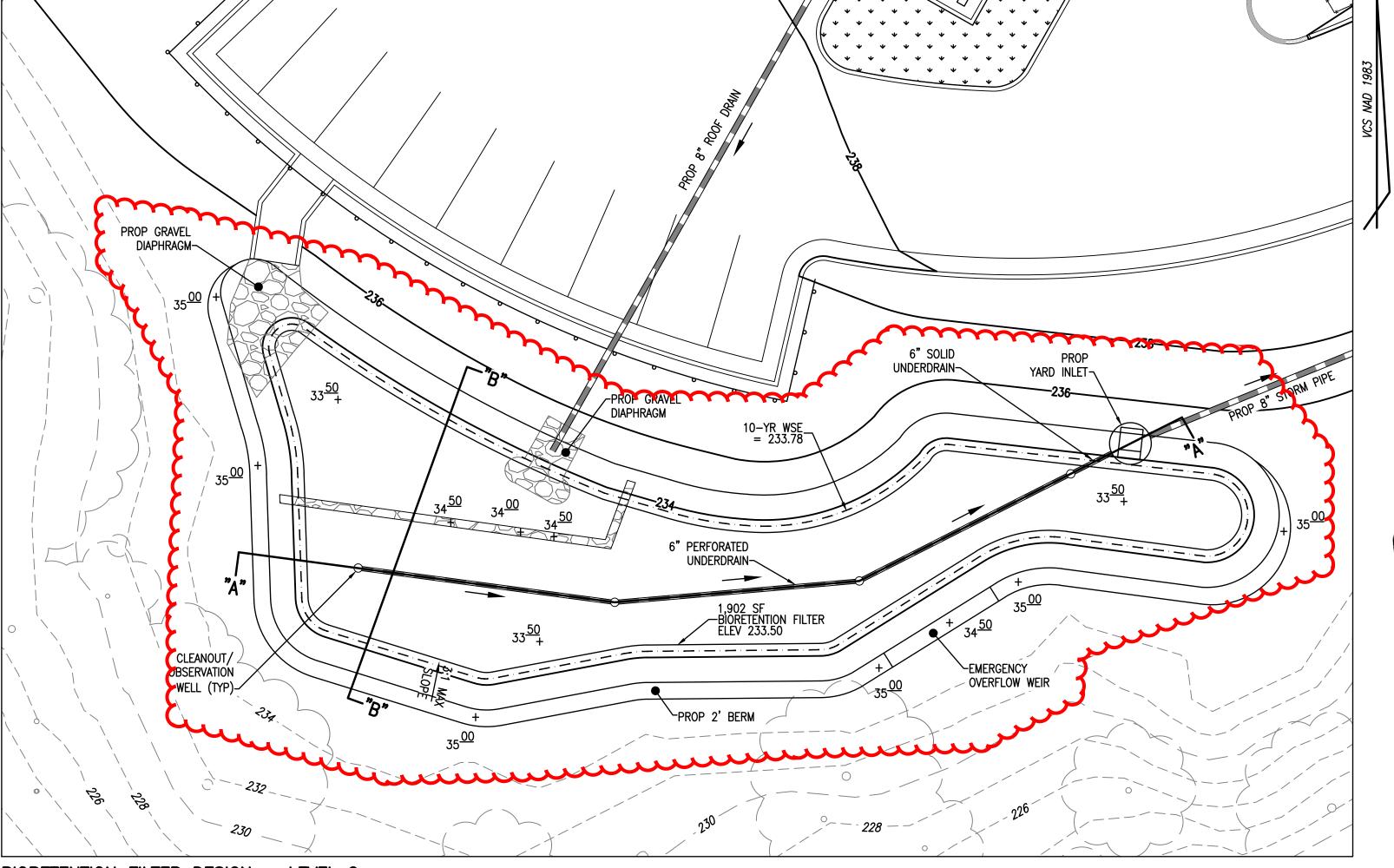
**REQUIRED SURFACE AREA:** 1,674 SF PROVIDED SURFACE AREA: 1,902 SF

Mulling to the second





BIORETENTION FILTER DETAIL NOT TO SCALE



BIORETENTION FILTER DESIGN - LEVEL 2 SCALE: 1"=10"

PRETREATMENT NOTE: THE PROPOSED BIORETENTION FACILITY WILL UTILIZE A PRE-TREATMENT CELL AND GRAVEL DIAPHRAGM AS PRETREATMENT DEVICES TO FILTER THE RUNOFF PRIOR TO ENTERING THE PROPOSED FACILITY.

APPROVED

DEPARTMENT OF PLANNING & ZONING

INSTRUMENT NO.

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SPECIAL USE PERMIT NO.

ST. STEPHENS. EXANDRIA EVELOPME #100 OF RELIMINARY DATE REVISION

Birna Sprach

ROAD VIRGINIA

PERMIT SCHO

DESIGN: ABH CHECKED: ACS SCALE: AS SHO DATE: JAN 2020

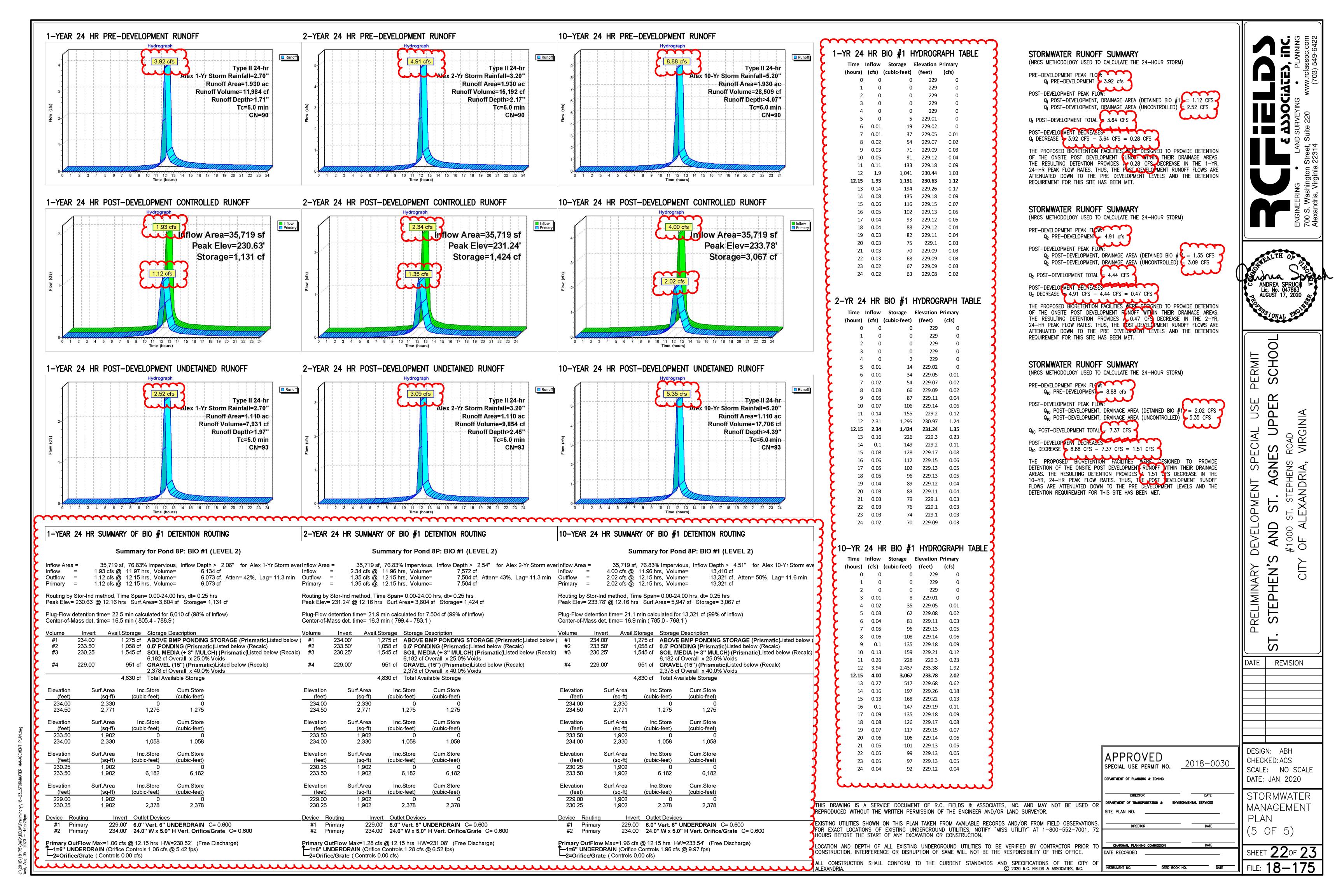
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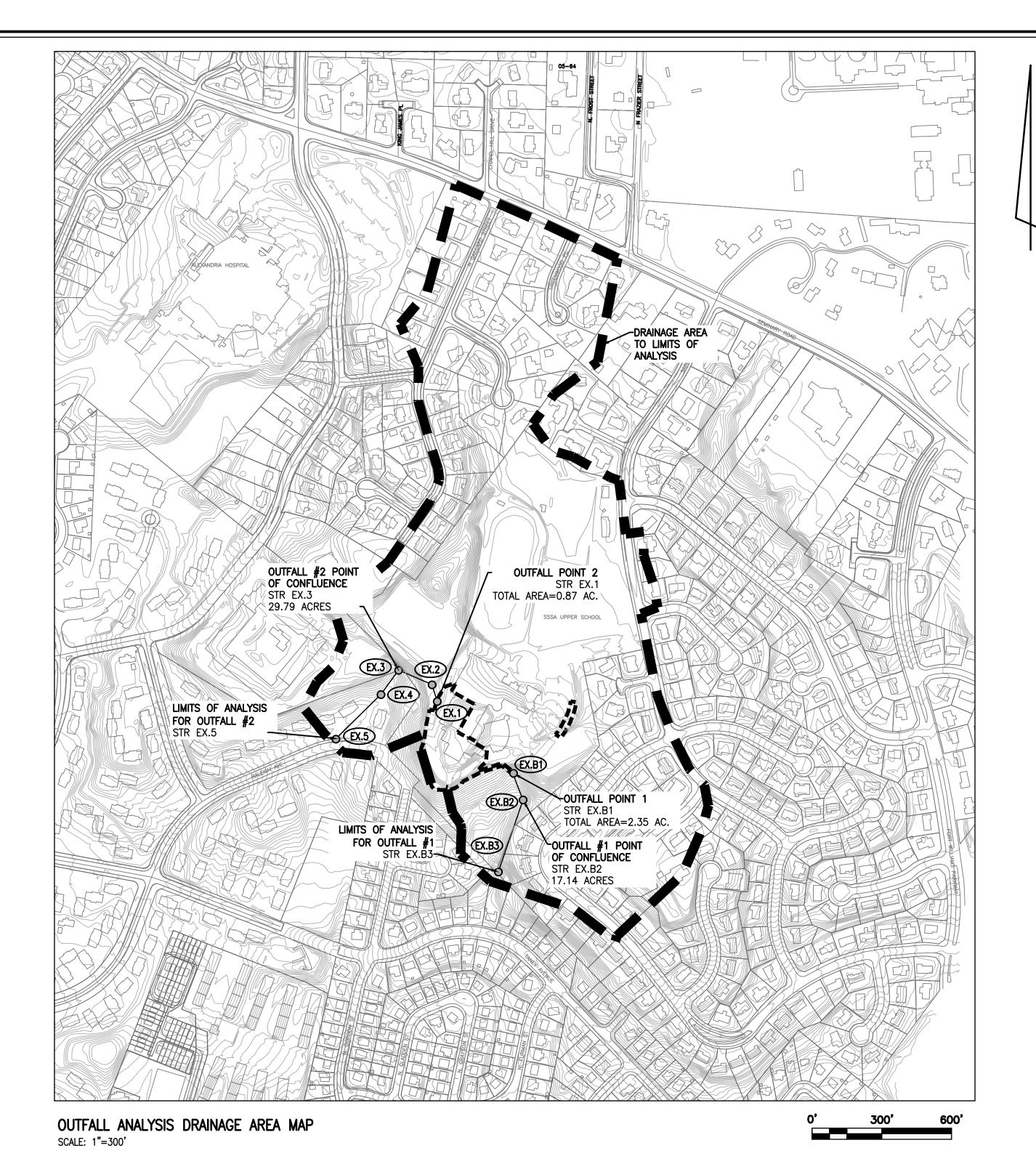
DEED BOOK NO.

STORMWATER MANAGEMENT

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ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF THE CITY OF





STORMWATER OUTFALL NARRATIVE (CITY CODE SECTION 13-109F):

THE 1.93 ACRE SITE LIMITS ARE LOCATED IN THE CAMERON RUN (NORTH) WATERSHED. IN EXISTING CONDITIONS, THE SITE CONSISTS OF A SCHOOL, ACCESS DRIVE ASSOCIATED IMPROVEMENTS, AND A SMALL FORESTED AREA. THIS PRÓJECT HAS TWO OUTFALL POINTS.

OUTFALL #1: A PORTION OF THE PROJECT SITE DRAINS VIA NON-CONCENTRATED FLOW (OUTFALL #1) BEFORE ENTERING A PRIVATELY MAINTAINED STORM PIPE SYSTEM (EX.B1) ON THE SOUTH SIDE OF THE SUBJECT PROPERTY. THE SUBJECT STORMWATER RUNOFF THEN ENTERS CITY OF ALEXANDRIA MAINTAINED STORM SEWER (EX.B3) AND IS PIPED IN A GENERALLY SOUTHERLY DIRECTION BEFORE IT ULTIMATELY ENTERS CAMERON RUN.

OUTFALL #2: THE REMAINDER OF THE PROJECT SITE RUNOFF FLOWS AS NON-CONCENTRATED FLOW (OUTFALL #2) BEFORE BEING COLLECTED BY AN EXISTING PRIVATE STORM PIPE SYSTEM ON THE WEST SIDE OF THE SUBJECT PROPERTY (EX.1). THE SUBJECT STORMWATER RUNOFF CONTINUES WITHIN THE PRIVATE STORM PIPE SYSTEM UNTIL IT ENTERS CITY OF ALEXANDRIA MAINTAINED STORM SEWER SYSTEM (EX.3). FROM THIS POINT, THE RUNOFF FLOWS IN A GENERALLY SOUTHERLY DIRECTION BEFORE IT ULTIMATELY ENTERS CAMERON RUN.

#### POST-DEVELOPMENT CONDITIONS:

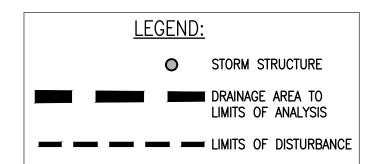
THE REDEVELOPMENT OF THE PROJECT SITE PROPOSES A NEW BUILDING ADDITION TO THE EXISTING SCHOOL BUILDING, A NEW REGRADED PORTION OF THE EXISTING ACCESS DRIVE, NEW PARKING, BIORETENTION BMP FACILITY, HYDRODYNAMIC BMP, AND ASSOCIATED IMPROVEMENTS. OVERALL IMPERVIOUS AREA WILL INCREASE WITH THE PROPOSED CONSTRUCTION. HOWEVER, THE INCREASE IN STORMWATER RUNOFF ASSOCIATED WITH THE IMPERVIOUS AREA HAS BEEN ADEQUATELY ACCOUNTED FOR THROUGH RUNOFF REDUCTION AND DETENTION PROVIDED BY THE PROPOSED BIORETENTION FACILITY. THE PROJECT SITE HAS TWO OUTFALL POINTS IN PROPOSED CONDITIONS.

OUTFALL #1: IN POST-DEVELOPMENT CONDITIONS, A PORTION OF ONSITE STORMWATER RUNOFF IS COLLECTED WITHIN THE PROPOSED ONSITE BIORETENTION BMP FACILITY AND IS THEN PIPED THROUGH AN EXISTING PRIVATE STORM PIPE SYSTEM (EX.B1) ON THE SOUTH SIDE OF THE SUBJECT PROPERTY. THE RUNOFF THEN ENTERS THE EXISTING STORM SEWER SYSTEM (EX.B2 POINT OF OUTFALL #1). THE STORMWATER THEN FLOWS IN A GENERALLY SOUTHERLY DIRECTION VIA CITY OF ALEXANDRIA MAINTAINED STORM SEWER SYSTEM BEFORE THE RECEIVING PIPE IS JOINED BY ANOTHER THAT HAS A DRAINAGE AREA THAT IS AT LEAST 90 PERCENT THE SIZE OF THE FIRST DRAINAGE AREA (EX.B2). THE LIMITS OF ANALYSIS END AT A POINT AT LEAST 150' PAST THE POINT OF THAT CONFLUENCE (EX.B3).

OUTFALL #2: THE REMAINING RUNOFF IS COLLECTED ONSITE (EX.1) AND DRAINS VIA PIPE FLOW TO THE PROPOSED HYDRODYNAMIC BMP LOCATED WITHIN THE EXISTING PRIVATE STORM PIPE SYSTEM ON THE WEST SIDE OF THE SUBJECT PROPERTY. THE FLOW THEN ENTERS THE CITY OF ALEXANDRIA STORM SEWER SYSTEM (EX.3 POINT OF OUTFALL #2) WHERE IT FLOWS IN A GENERALLY SOUTHERLY DIRECTION UNTIL THE RECEIVING PIPE IS JOINED BY ANOTHER THAT HAS A DRAINAGE AREA THAT IS AT LEAST 90 PERCENT THE SIZE OF THE FIRST DRAINAGE AREA (EX.3). THE LIMITS OF ANALYSIS END AT LEAST 150' PAST THE POINT OF THAT CONFLUENCE TO THE LIMITS OF ANALYSIS (EX.5).

COMPUTATIONS SHOWN ON THIS SHEET DEMONSTRATE THAT THE EXISTING MANMADE STORMWATER CONVEYANCE SYSTEM EXPERIENCES LOCALIZED FLOODING IN EXISTING CONDITIONS. HOWEVER, THE PEAK FLOW RATE FOR THE 1, 2, AND 10-YEAR, 24 HOUR STORMS ARE BEING REDUCED WITH THE PROPOSED DEVELOPMENT THROUGH RUNOFF REDUCTION AND DETENTION PROVIDED BY THE PROPOSED BIORETENTION FACILITY. THE WATER QUANTITY REQUIREMENTS FOR THIS SITE IS THEREFORE IN COMPLIANCE WITH SECTIONS 13-109F(1)(a)(i) AND 13-109F(2)(b)(ii) FOR OUTFALL #1 AND 13-109F(2)(a)(i).(ii) FOR OUTFALL #2. DUE TO SITE DRAINAGE OUTFALLS TO AN EXISTING UNDERSIZED MANMADE STORM SEWER SYSTEM, NO OFFSITE IMPROVEMENTS TO THE SYSTEM ARE REQUIRED. PER THE LIMITS OF ANALYSIS PER CITY CODE SECTION 13-109F-2(d)(i) AND REDUCED POST-DEVELOPMENT RUNOFF RATE FOR THE 1, 2, & 10-YEAR, 24-HOUR STORMS, THE PROJECT POST-DEVELOPMENT RUNOFF WILL NOT EXACERBATE ANY EXISTING DOWNSTREAM CAPACITY CONDITIONS.

	10-YR, 24-HR STORM SEWER COMPUTATIONS																
PROM STRUCK	O P	INC. DRAINAGE AREA (AC)	ACCUM. DRAINAGE AREA (AC)	CURVE NUMBER	RAINFALL DEPTH (IN)	T <sub>c</sub> (MINUTES)	INCREMENTAL "Q" (CFS)	ACCUMULATED "Q" (CFS)	PIPE DIAMETER (IN)	SLOPE (%)	"n"	MAXIMUM "Q" (CFS)	MAXIMUM VELOCITY (FPS)	LENGTH OF RUN (FT)	UPPER INVERT	LOWER INVERT	FALL (FT)
EX1	EX.2	0.87	0.87	92	5.20	30	2.94	2.94	15	19.69%	0.015	25.93	20.30	72	222.60	208.42	14.18
EX.2	EX.3	0.20	1.07	83	5.20	30	0.55	3.49	15	15.47%	0.015	22.98	17.99	156	207.62	183.48	24.14
EX3	EX.4	29.79	30.86	83	5.20	30	81.87	85.36	36	4.27%	0.013	143.83	19.55	105	187.96	183.48	4.48
EX.4	EX.5	0.91	31.77	86	5.20	30	2.70	88.06	36	2.28%	0.013	105.21	14.30	390	182.83	173.92	8.91
		·									·		·			·	
EXB1	EX.B2	2.35	2.35	91	5.20	30	7.79	7.79	15	10.36%	0.015	18.81	14.73	124	200.45	187.60	12.85
EX.B2	EX.B3	17.14	19.49	84	5.20	30	55.03	62.82	15	8.03%	0.015	16.56	12.96	326	185.18	159.00	26.18



EXANDRIA #1 O ELIMINARY

DATE | REVISION

2018-0030

DEED BOOK NO.

APPROVED

DEPARTMENT OF PLANNING & ZONING

INSTRUMENT NO.

SPECIAL USE PERMIT NO.

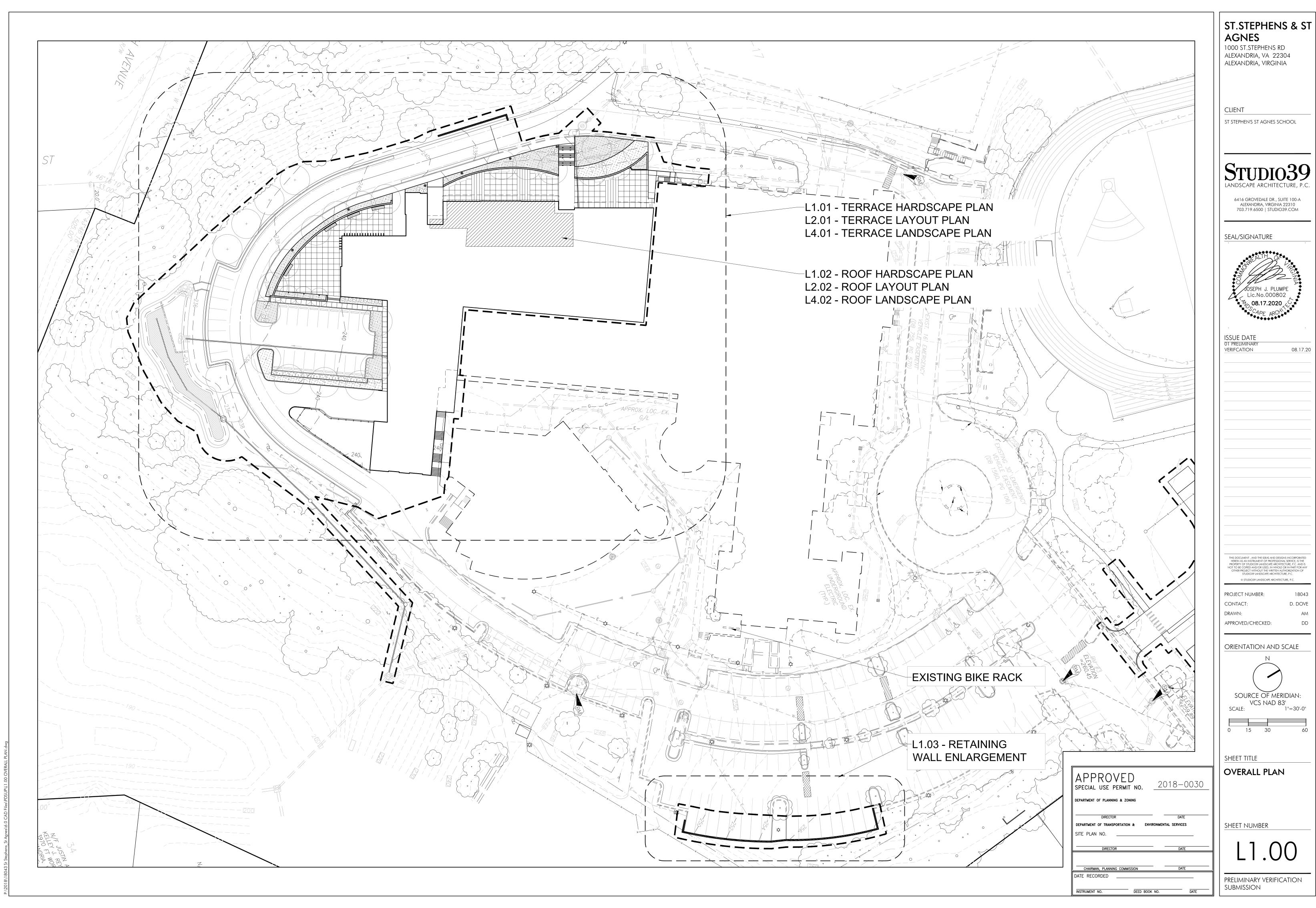
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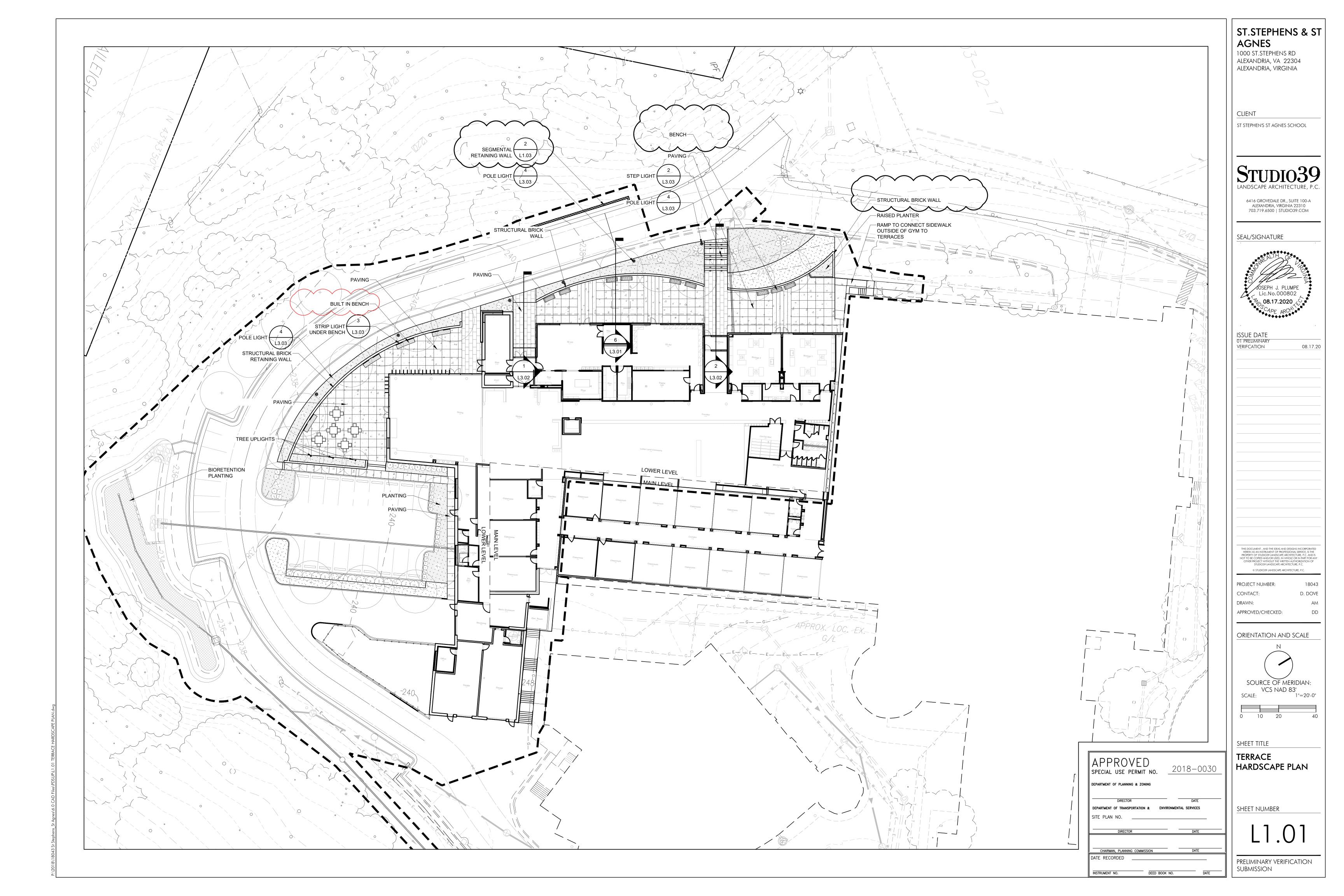
ADEQUATE OUTFALL ANALYSIS

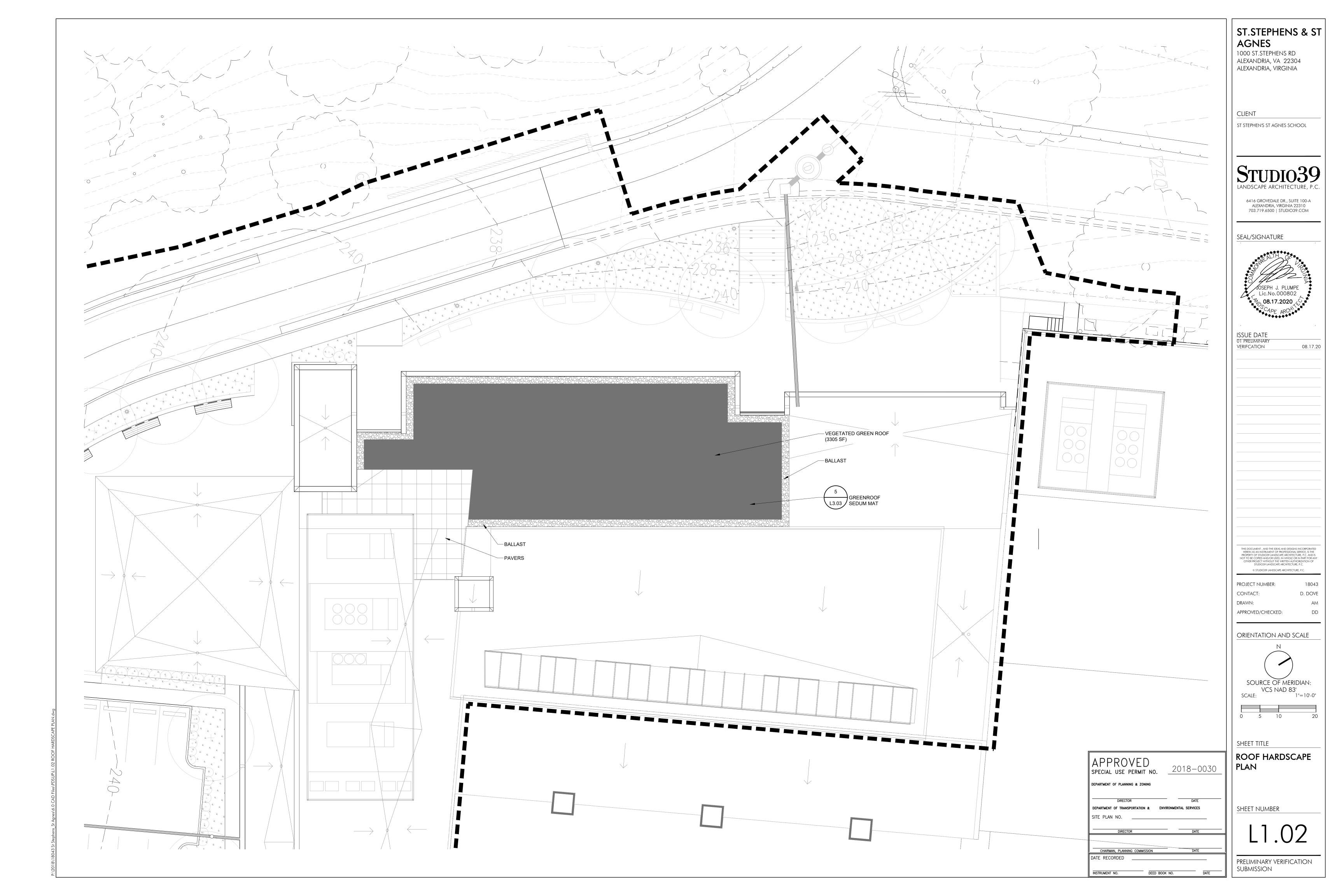
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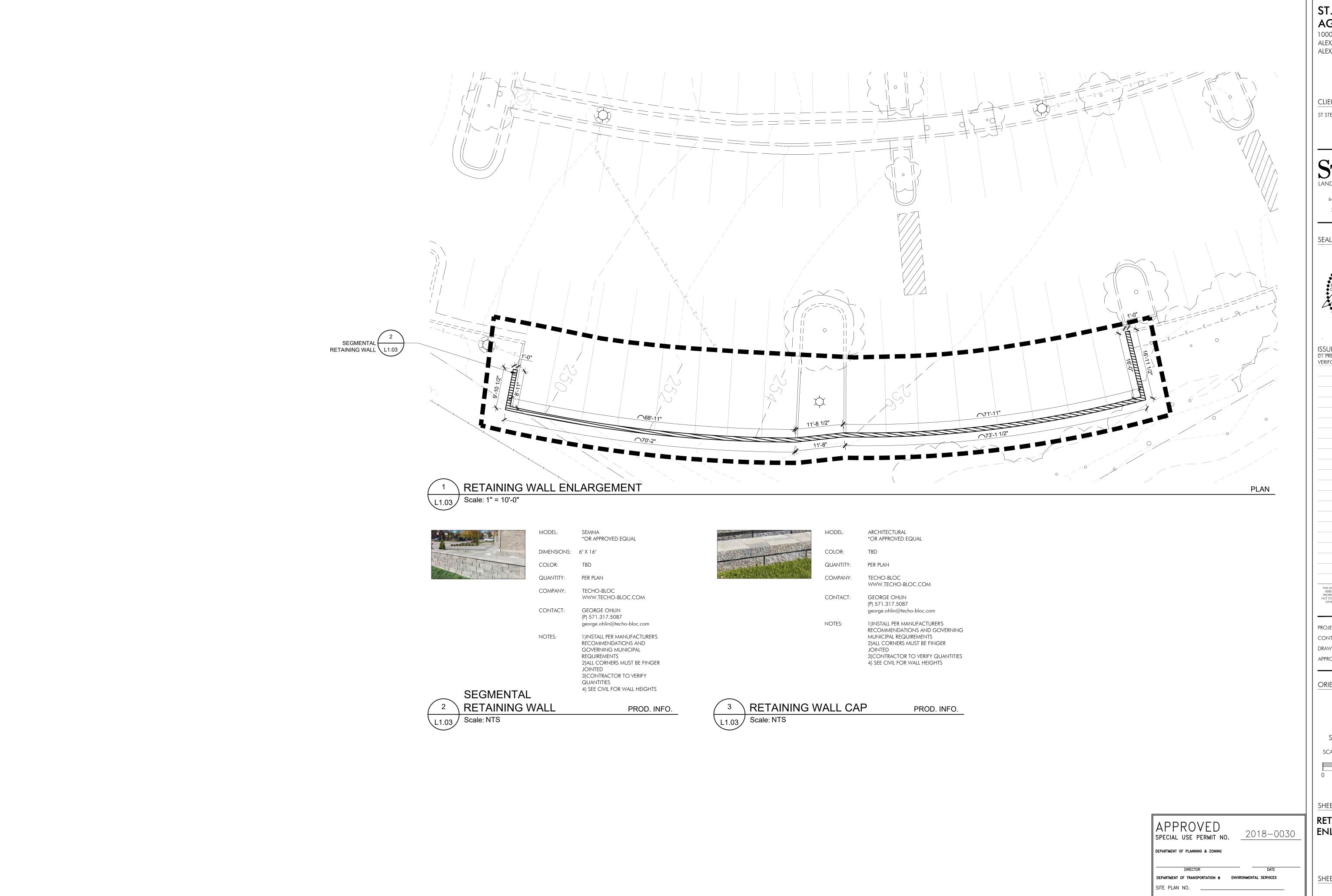
EXISTING UTILITIES SHOWN ON THIS PLAN TAKEN FROM AVAILABLE RECORDS AND/OR FROM FIELD OBSERVATIONS. FOR EXACT LOCATIONS OF EXISTING UNDERGROUND UTILITIES, NOTIFY "MISS UTILITY" AT 1-800-552-7001, HOURS BEFORE THE START OF ANY EXCAVATION OR CONSTRUCTION.

LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. INTERFERENCE OR DISRUPTION OF SAME WILL NOT BE THE RESPONSIBILITY OF THIS OFFICE. ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF THE CITY OF 2020 R.C. FIELDS & ASSOCIATES, INC.









ST.STEPHENS & ST AGNES

1000 ST.STEPHENS RD
ALEXANDRIA, VA 22304
ALEXANDRIA, VIRGINIA

CLIENT

ST STEPHEN'S ST AGNES SCHOOL

STUDIO39
LANDSCAPE ARCHITECTURE, P.C.

6416 GROVEDALE DR., SUITE 100-A
ALEXANDRIA, VIRGINIA 22310
703.719.6500 | STUDIO39.COM

SEAL/SIGNATURE

ISSUE DATE
OT PRELIMINARY
VERIFCATION
08.17.2020

SCAPE ARCHITECTURE
01. PLUMPE
Lic.No.000802

SCAPE ARCHITECTURE
01. PRELIMINARY
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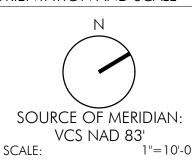
PROJECT NUMBER: 18043

CONTACT: D. DOVE

DRAWN: AM

APPROVED/CHECKED: DD

ORIENTATION AND SCALE



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SHEET TITLE

RETAINING WALL ENLARGEMENT

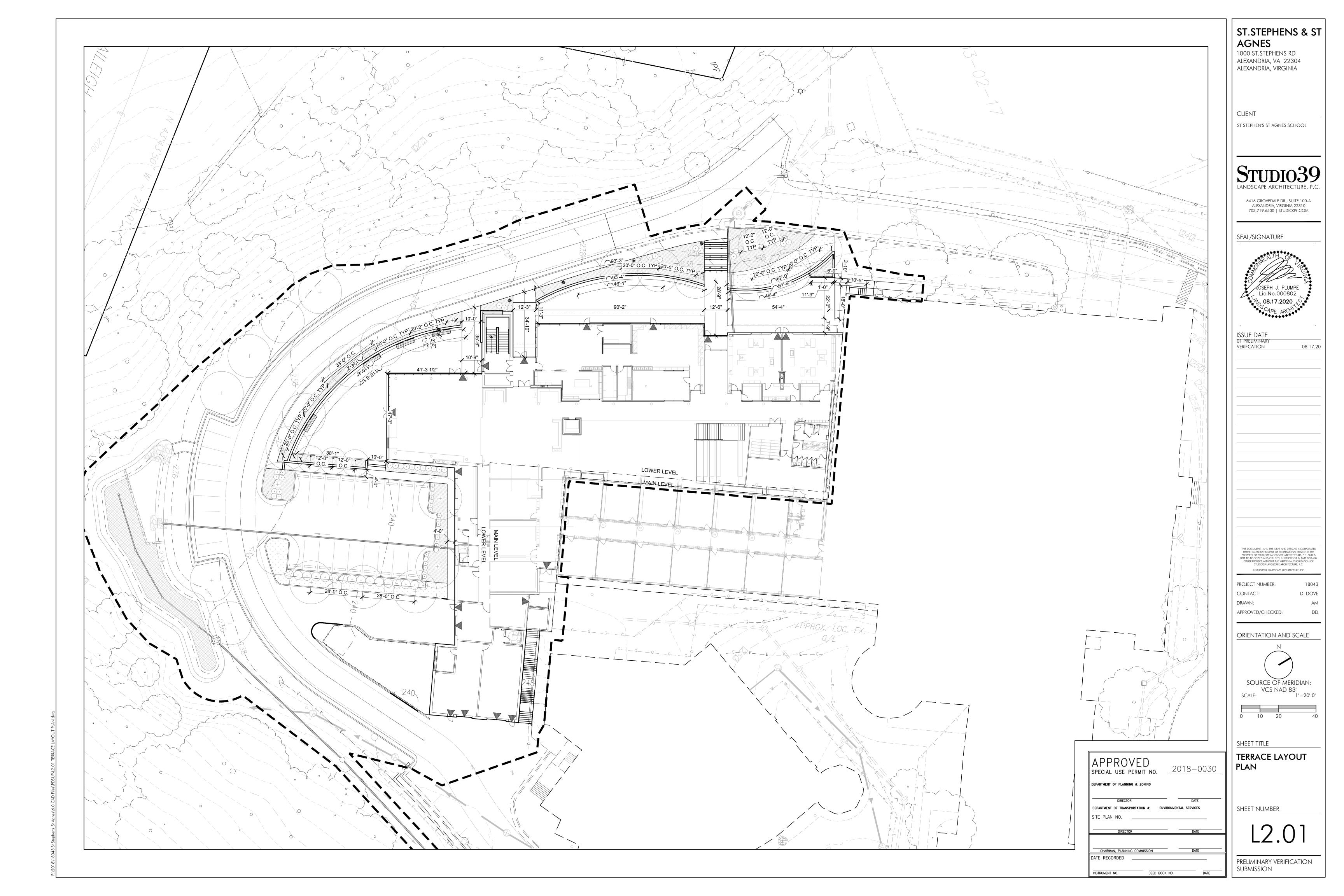
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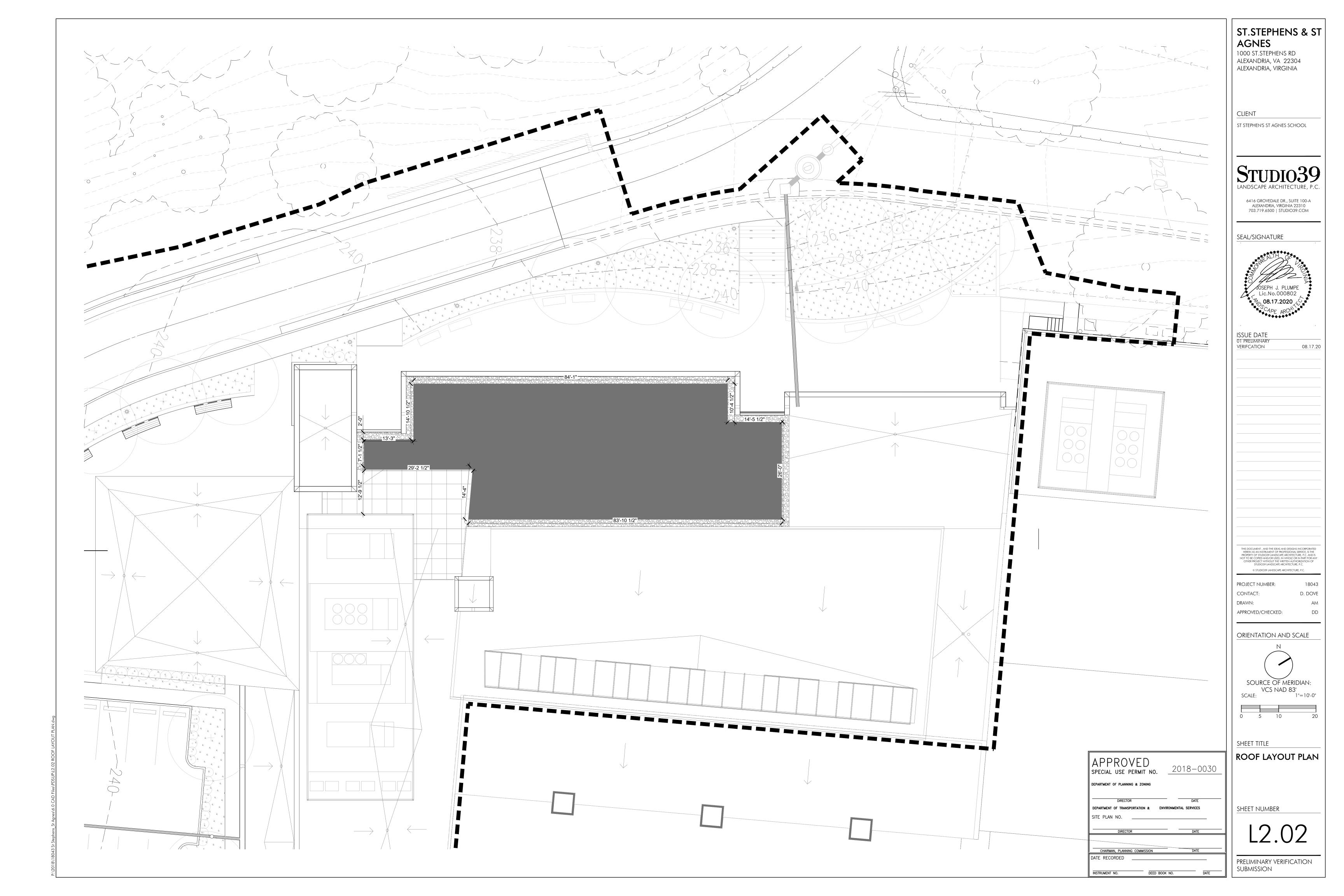
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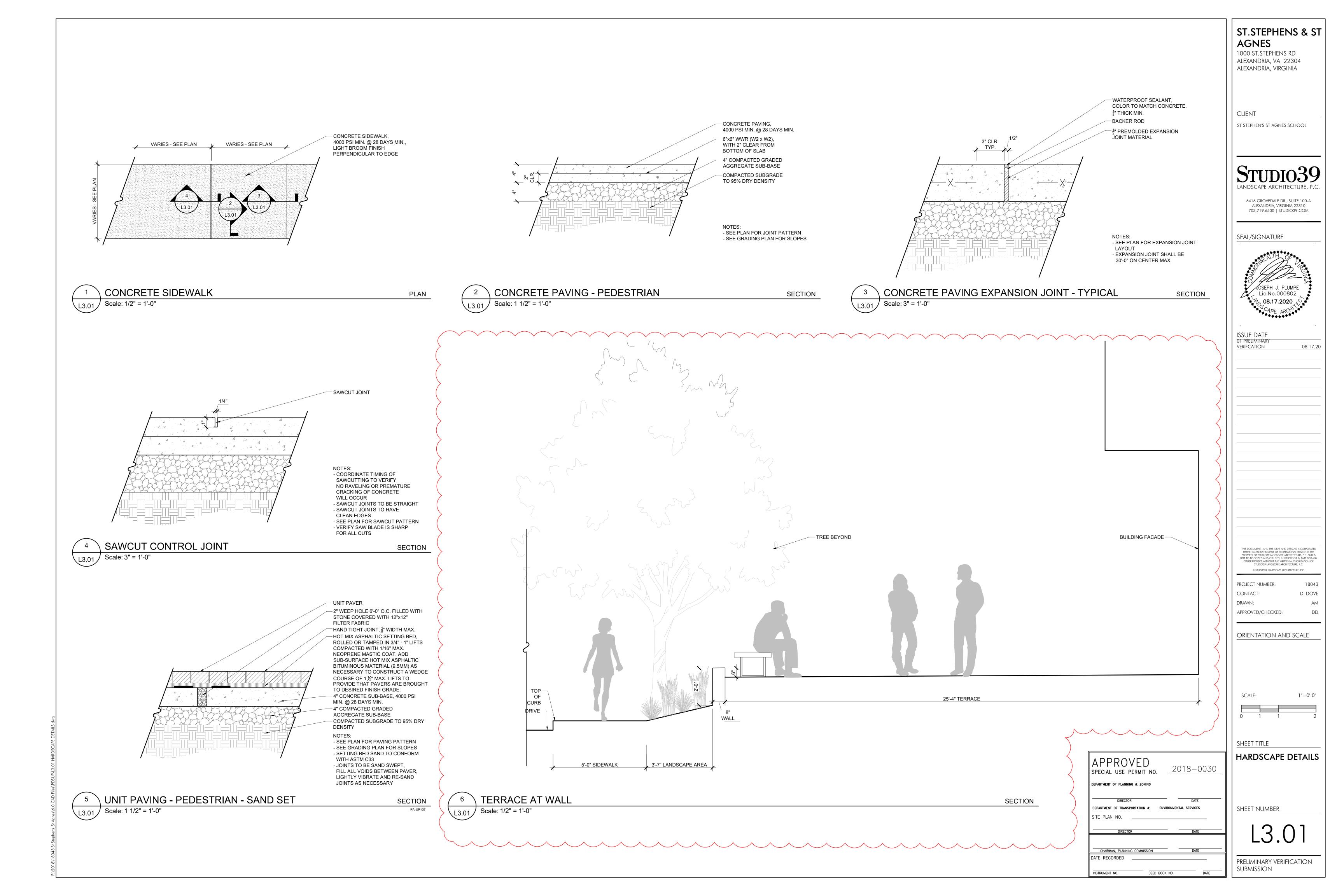
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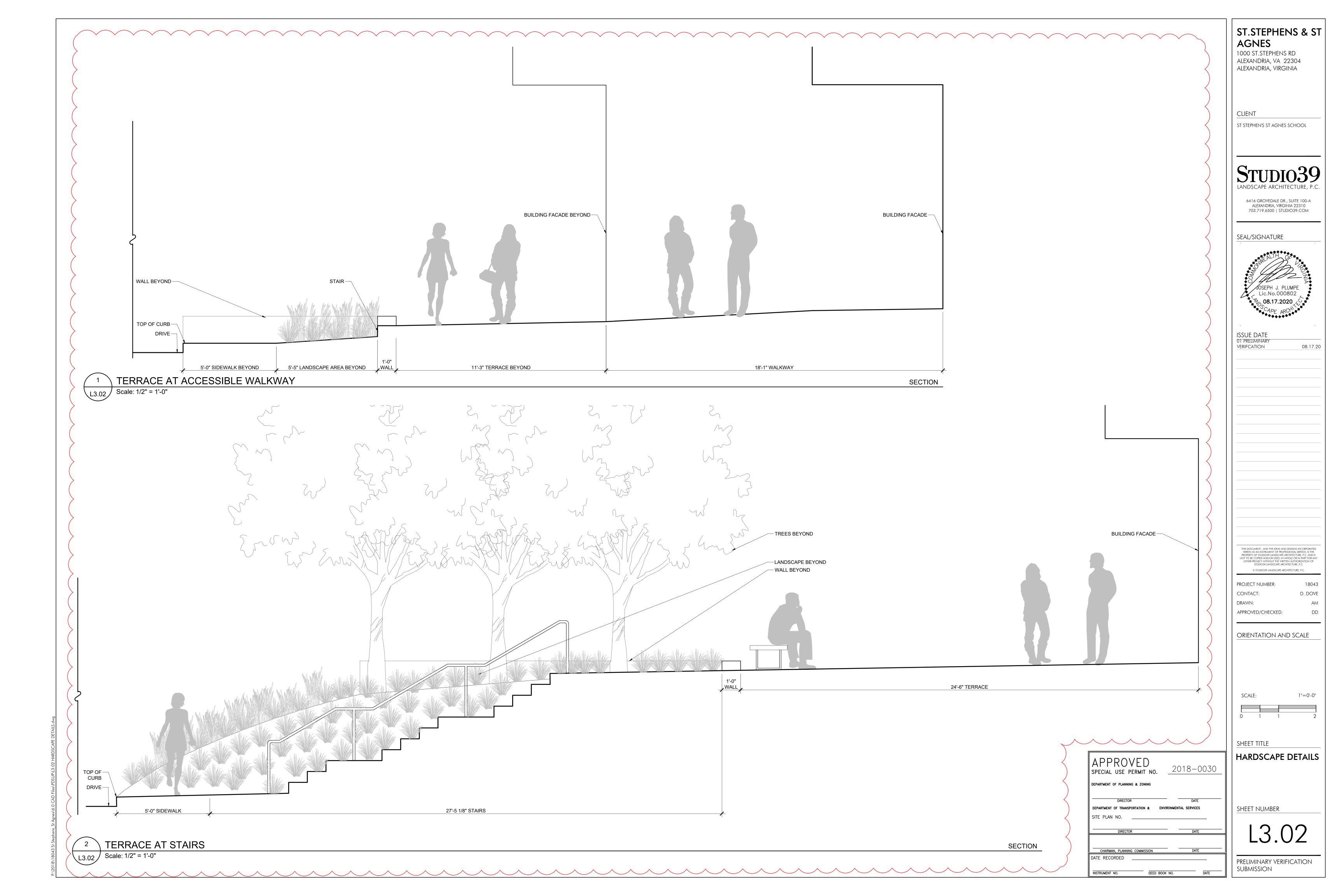
L1.03

Preliminary verification Submission











22 292 \*OR APPROVED EQUAL

COLOR: BLACK (BLK) QUANTITY: PER PLAN

COMPANY: BEGA - US 1000 BEGA WAY CARPINTERIA, CA 93013 (P) 805.684.0533

CONTACT: LIGHTING ENVIRONMENTS **DEVIN CREHAN** 333 W. OSTEND STREET SUITE 200

(F) 805.566.9474

BALTIMORE, MD 21230

1)INSTALL PER MANUFACTURER'S RECOMMENDATIONS

(P) 410.712.0238

(F) 301.908.7935



MODEL: \*OR APPROVED EQUAL

COLOR: BLACK (BLK) QUANTITY: PER PLAN

COMPANY: BEGA - US 1000 BEGA WAY CARPINTERIA, CA 93013 (P) 805.684.0533 (F) 805.566.9474

LIGHTING ENVIRONMENTS CONTACT: DEVIN CREHAN 333 W. OSTEND STREET SUITE 200 BALTIMORE, MD 21230 (P) 410.712.0238

1)INSTALL PER MANUFACTURER'S RECOMMENDATIONS

(F) 301.908.7935

- 100 - 100

MODEL: SW24/3.0 \*OR APPROVED EQUAL COLOR: BLACK (BLK)

PER PLAN

QUANTITY:

COMPANY: Q-TRAN 155 HILL ST MILFORD, CT 06460 (P) 203.367.8777

LIGHTING ENVIRONMENTS CONTACT: DEVIN CREHAN

333 W. OSTEND STREET SUITE 200 BALTIMORE, MD 21230 (P) 410.712.0238 (F) 301.908.7935

NOTES: 1)INSTALL PER MANUFACTURER'S RECOMMENDATIONS



LUMARK PRV PREVAIL \*OR APPROVED EQUAL

COLOR: BLACK (BLK) QUANTITY: PER PLAN

OPTIONS: 10' POLE COMPANY: EATON

1121 HIGHWAY 24 SOUTH PEACHTREE CITY, GA 30269 (P) 770.486.4800 www.eaton.com/lighting

1)INSTALL PER MANUFACTURER'S RECOMMENDATIONS

L3.03 Scale: NTS

**WALL LIGHT** 

PROD. INFO.

Scale: NTS L3.03

STEP LIGHT

PROD. INFO.

STRIP LIGHT L3.03 Scale: NTS

PROD. INFO.

POLE LIGHT Scale: NTS \L3.03/

PROD. INFO.

MODEL: SEDUM-MIX BLANKET \*OR APPROVED EQUAL

PER PLAN

SEMPERGREEN 14716 GERMANNA HIGHWAY CULPEPPER, VA 22701 (P) 540.339.5055

www.sempergreen.com

joep@MoeringsUSA.com

CONTACT: JOEP VAN VILSTERN (P) 540.219.9157

COLOR: 1)INSTALL PER MANUFACTURER'S RECOMMENDATIONS

L3.03 Scale: NTS

GREENROOF SEDUM MAT

PROD. INFO.

APPROVED 2018-0030 SPECIAL USE PERMIT NO. DEPARTMENT OF PLANNING & ZONING DEPARTMENT OF TRANSPORTATION & ENVIRONMENTAL SERVICES SITE PLAN NO. \_\_\_\_ DATE RECORDED \_\_\_\_\_ INSTRUMENT NO. DEED BOOK NO. DATE

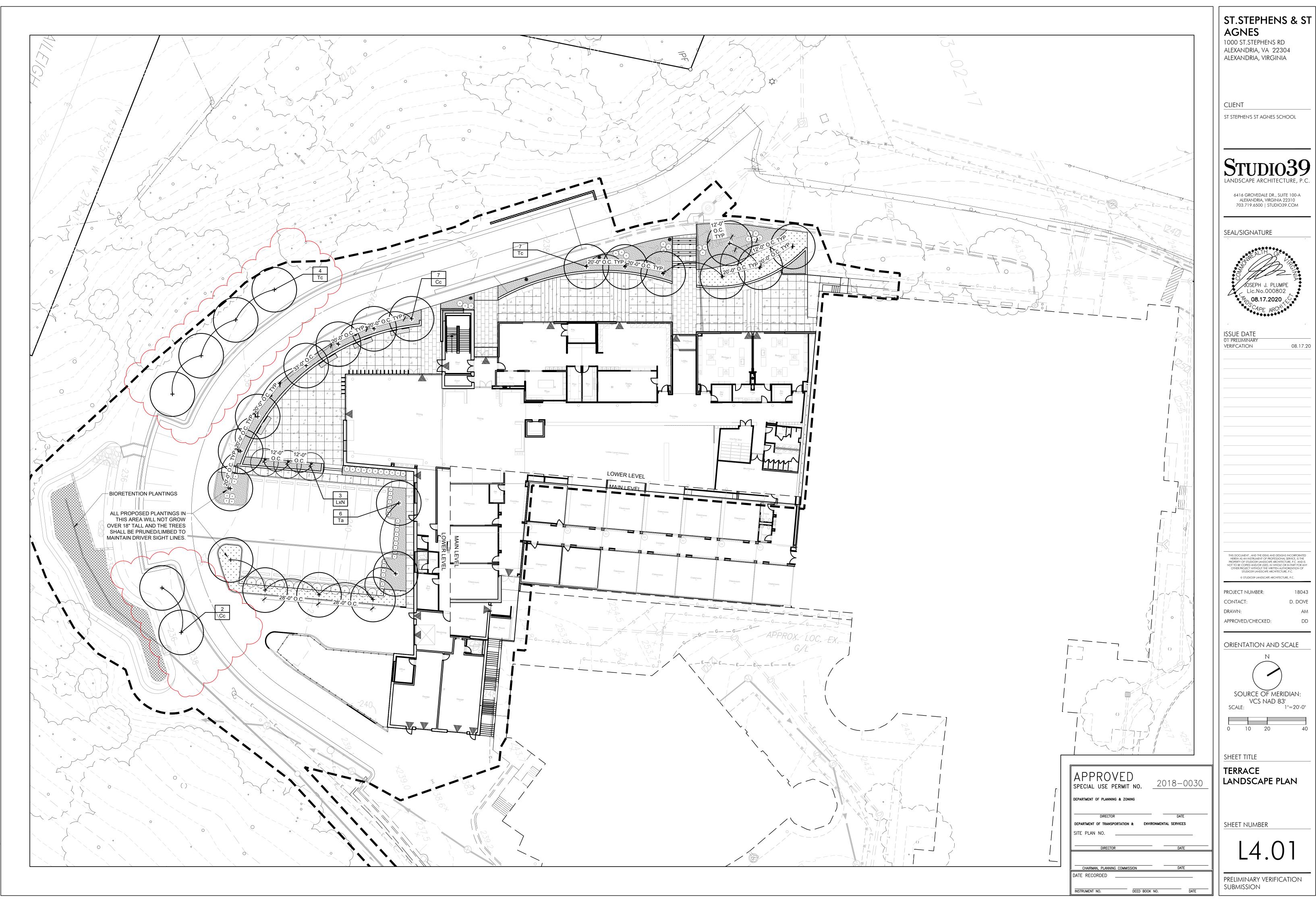
ST.STEPHENS & ST **AGNES** 1000 ST.STEPHENS RD alexandria, va. 22304 ALEXANDRIA, VIRGINIA CLIENT ST STEPHEN'S ST AGNES SCHOOL LANDSCAPE ARCHITECTURE, P.C 6416 GROVEDALE DR., SUITE 100-A ALEXANDRIA, VIRGINIA 22310 703.719.6500 | STUDIO39.COM SEAL/SIGNATURE Lic.No.000802 7 08.17.2020 人 ISSUE DATE OT PRELIMINARY VERIFCATION 08.17.20 THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF STUDIO39 LANDSCAPE ARCHITECTURE, P.C. AND IS NOT TO BE COPIED AND/OR USED, IN WHOLE OR IN PART FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF STUDIO39 LANDSCAPE ARCHITECTURE, P.C. © STUDIO39 LANDSCAPE ARCHITECTURE, P.C. PROJECT NUMBER: 18043 CONTACT: D. DOVE DRAWN: APPROVED/CHECKED: ORIENTATION AND SCALE 1"=0'-0"

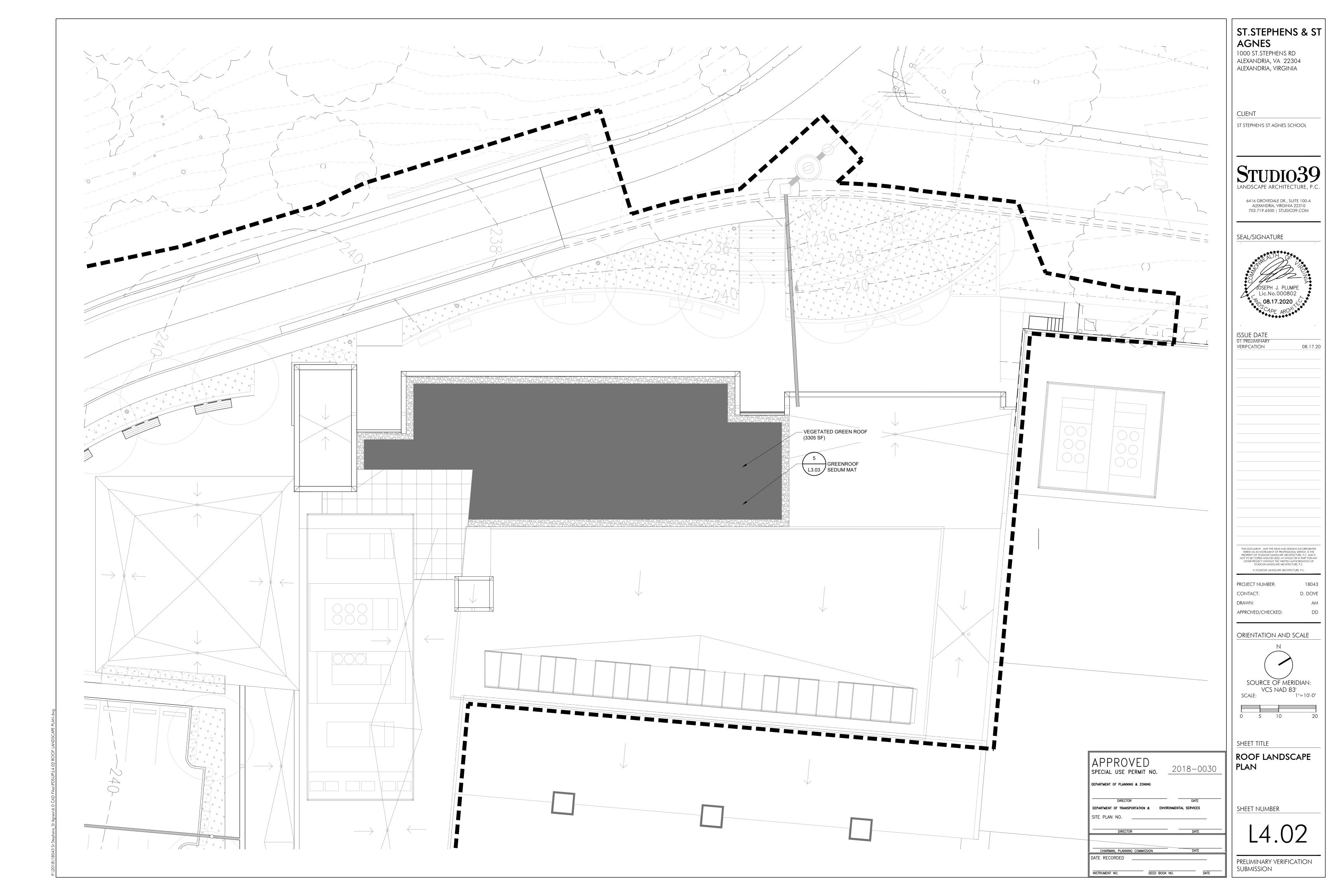
SHEET TITLE

PRODUCT INFORMATION

SHEET NUMBER

PRELIMINARY VERIFICATION SUBMISSION





TREE SCHEDU	ILE						CAN	IOPY
SHADE TREES	QTY	BOTANICAL NAME	COMMON NAME	HEIGHT	CALIPER	REMARKS	EACH (SF)	SUBTOTAL
Сс	9	Carpinus caroliniana	American Hornbeam	10`-12`	3" - 3 1/2"	B&B, full uniform crown, symmetrical branching, full specimen	500	4500
Та	6	Tilia americana	American Linden	14`-16`	3" - 3 1/2"	B&B, full uniform crown, symmetrical branching, full specimen	1250	7500
Тс	11	Tilia cordata	Littleleaf Linden	14`-16`	3" - 3 1/2"	B&B, full uniform crown, symmetrical branching, full specimen	1250	13750
		•	•	•				
ORNAMENTAL TREES	QTY	BOTANICAL NAME	COMMON NAME	HEIGHT	CALIPER	REMARKS		
LxN	3	Lagerstroemia x `Natchez`	Natchez Crape Myrtle	8`-10`	1 1/2" min.	B&B, multi-trunk, 3 trunk minimum, full symmetrical branching	250	1750
	•	•	•	•			TOTAL	27,500



#### **GREEN ROOF SEDUM MIX:**

-Sedum acre 'Aureum'
-Sedum acre 'Gold Moss'
-Sedum album 'Coral Carpet'
-Sedum album 'Murale'
-Sedum hispanicum
-Phedimus (aka Sedum) kamtschaticum
-Phedimus (aka Sedum) kamtschaticum 'Variegatum'
-Phedimus (aka Sedum) kamtschaticum var. floriferum 'Weihenstephaner Gold'
-Phedimus (aka Sedum) spurium 'Fuldaglut'

-Phedimus (aka Sedum) spurium 'John Creech'
-Phedimus (aka Sedum) spurium 'Red Carpet'
-Phedimus takesimensis 'Golden Carpet'
-Sedum sexangulare
-Sedum stefco
-Sedum subsp. rupestre 'Angelica'
-Sedum subsp. rupestre 'Blue Spruce'
-Sedum x Immergrunchen

CANOPY COVER ANALYSIS	SUBTOTAL (S.F.)
TOTAL SITE AREA	1,280,506
TREE COVER REQUIRED (25%)	320,127
EXISTING CANOPY COVER	346,750 (27.08%)
EMOVED CANOPY COVER	- 26,050
PRESERVED CANOPY COVER	320,700
PROPOSED CANOPY COVER	+ 27,500
TOTAL CANOPY COVER	348,200 (27.19%)

A) STANDARD LANDSCAPE PLAN NOTES FOR ALL PLANS REQUIRING APPROVAL:

THE FOLLOWING NOTES SHALL BE PROVIDED ON LANDSCAPE PLAN SUBMISSIONS FOR ALL PROJECTS THAT REQUIRE APPROVAL BY THE CITY AS OUTLINED IN CHAPTER 3 OF THE CITY'S 2019 LANDSCAPE GUIDELINES:

1) THE PROPERTY OWNER AND/OR APPLICANT, SPECIFIER, CONTRACTOR AND INSTALLER OF PLANT MATERIAL ARE RESPONSIBLE FOR UNDERSTANDING AND ADHERING TO THE STANDARDS SET FORTH IN THE MOST RECENT VERSION OF THE CITY OF ALEXANDRIA LANDSCAPE GUIDELINES AND APPLICABLE CONDITIONS OF APPROVAL. ALL QUESTIONS REGARDING APPLICATION OF, OR ADHERENCE TO, THE STANDARDS AND/OR CONDITIONS OF APPROVAL SHALL BE DIRECTED TO THE CITY PRIOR TO COMMENCEMENT OF DEMOLITION, CONSTRUCTION, OR ANY LAND DISTURBING ACTIVITY.

2)THE CITY-APPROVED LANDSCAPE PLAN SUBMISSION, INCLUDING PLANT SCHEDULE, NOTES AND DETAILS SHALL BE THE DOCUMENT USED FOR INSTALLATION PURPOSES AND ALL PROCEDURES SET FORTH IN THE LANDSCAPE GUIDELINES MUST BE FOLLOWED.

3)THE CONTRACTOR SHALL NOT INTERFERE WITH ANY TREE PROTECTION MEASURES OR IMPACT ANY EXISTING VEGETATION IDENTIFIED TO BE PRESERVED PER THE APPROVED TREE AND VEGETATION PROTECTION PLAN.

4)ANY CHANGES, ALTERATIONS OR MODIFICATIONS TO THE SITE CONDITIONS THAT AFFECT VEGETATION PROTECTION PROTECTION ZONES WILL REQUIRE AN AMENDMENT TO THE APPROVED TREE AND VEGETATION PROTECTION PLAN AND/OR DETAILS.

5)INSTALLATION OF PLANT MATERIAL MAY ONLY OCCUR DURING THE PLANTING SEASONS IDENTIFIED IN THE LANDSCAPE GUIDELINES.

6)IN LIEU OF MORE STRENUOUS SPECIFICATIONS, ALL LANDSCAPE RELATED WORK SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE CURRENT AND MOST UP-TO-DATE EDITION (AT TIME OF CONSTRUCTION) OF LANDSCAPE SPECIFICATION GUIDELINES AS PRODUCED BY THE LANDSCAPE CONTRACTORS ASSOCIATION OF MARYLAND, DISTRICT OF COLUMBIA AND VIRGINIA; GAITHERSBURG, MARYLAND.

7)SUBSTITUTIONS TO THE APPROVED PLANT MATERIAL SHALL NOT OCCUR UNTIL WRITTEN APPROVAL IS PROVIDED BY THE CITY.

8)MAINTENANCE FOR THIS PROJECT SHALL BE PERFORMED BY THE OWNER, APPLICANT, SUCCESSOR(S) AND/OR ASSIGN(S) IN PERPETUITY AND IN COMPLIANCE WITH CITY OF ALEXANDRIA LANDSCAPE GUIDELINES AND AS CONDITIONED BY PROJECT APPROVAL, AS APPLICABLE.

B) STANDARD LANDSCAPE PLAN NOTES FOR DEVELOPMENT SITE PLANS:

IN ADDITION TO THE NOTES PROVIDED ABOVE, THE FOLLOWING NOTES SHALL BE PROVIDED ON LANDSCAPE PLAN SUBMISSIONS FOR ALL DSP/DSUP PROJECTS:

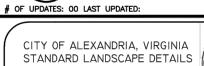
1)THE APPROVED METHOD(S) OF PROTECTION MUST BE IN PLACE FOR ALL VEGETATION TO BE PRESERVED ON-SITE AND ADJACENT TO THE PROJECT SITE PURSUANT TO THE APPROVED TREE AND VEGETATION PROTECTION PLAN AND DETAILS PRIOR TO COMMENCEMENT OF DEMOLITION, CONSTRUCTION, OR ANY LAND DISTURBANCE. THE APPLICANT SHALL NOTIFY THE PLANNING & ZONING (P&Z) PROJECT MANAGER ONCE THE TREE PROTECTION METHODS ARE IN PLACE. NO DEMOLITION, CONSTRUCTION, OR LAND DISTURBANCE MAY OCCUR UNTIL AN INSPECTION IS PERFORMED BY THE CITY AND WRITTEN CONFIRMATION IS PROVIDED BY THE CITY WHICH VERIFIES CORRECT INSTALLATION OF THE TREE PROTECTION MEASURES.

2)THE APPLICANT MUST CONTACT THE P&Z PROJECT MANAGER PRIOR TO COMMENCEMENT OF LANDSCAPE INSTALLATION/PLANTING OPERATION TO SCHEDULE A PRE-INSTALLATION MEETING. THE MEETING SHOULD BE HELD BETWEEN THE APPLICANT'S GENERAL CONTRACTOR, LANDSCAPE CONTRACTOR, LANDSCAPE ARCHITECT, THE P&Z PROJECT MANAGER AND THE CITY ARBORIST (AS APPLICABLE) TO REVIEW THE SCOPE OF INSTALLATION PROCEDURES AND PROCESSES DURING AND AFTER INSTALLATION.

3)THE FOLLOWING INFORMATION SHALL BE PROVIDED TO THE P&Z PROJECT MANAGER AT LEAST FIVE (5) BUSINESS DAYS PRIOR TO THE LANDSCAPE PRE-INSTALLATION MEETING: 1) A LETTER THAT CERTIFIES THAT THE PROJECT LANDSCAPE ARCHITECT PERFORMED PRE-SELECTION TAGGING FOR ALL TREES PROPOSED WITHIN THE PUBLIC RIGHT OF WAY AND ON PUBLIC LAND PRIOR TO INSTALLATION. THIS LETTER MUST BE SIGNED AND SEALED BY THE PROJECT LANDSCAPE ARCHITECT, AND 2) A COPY OF THE SOIL BULK DENSITY TEST REPORT VERIFYING THAT MAXIMUM COMPRESSION RATES ARE MET.

9)AS-BUILT DRAWINGS FOR THIS LANDSCAPE AND/OR IRRIGATION/WATER MANAGEMENT SYSTEM WILL BE PROVIDED IN COMPLIANCE WITH CITY OF ALEXANDRIA LANDSCAPE GUIDELINES, THE CITY CODE OF ORDINANCES, AND ALL APPLICABLE PLAN PREPARATION CHECKLISTS. AS-BUILT DRAWINGS SHALL INCLUDE CLEAR IDENTIFICATION OF ALL VARIATION(S) AND CHANGES FROM APPROVED DRAWINGS INCLUDING LOCATION, QUANTITY AND SPECIFICATION OF ALL PROJECT ELEMENTS.





CITY OF ALEXANDRIA, VIRGINIA

NOTE:
THE INFORMATION SHOWN HEREIN THIS DOCUMENT IS FOR GENERAL GUIDANCE ONLY AND IS NOT INTENTED FOR CONSTRUCTION PURPOSES. ITS USE SHALL NOT RELIEVE THE DESIGN PROFESSIONAL OR CONTRACTOR OF ANY LEGAL RESPONSIBILITY.

Source: CITY OF ALEXANDRIA	STANDARD LANDSCAPE			
Approved by: COA		NOTES		
LOFI	Date drawn:	LD 016		
IOFI	01/01/19	LD 010		

ST.STEPHENS & ST AGNES

1000 ST.STEPHENS RD ALEXANDRIA, VA 22304 ALEXANDRIA, VIRGINIA

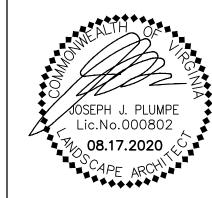
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LANDSCAPE ARCHITECTURE, P.C.

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PROJECT NUMBER: 18043

CONTACT: D. DOVE

ORIENTATION AND SCALE

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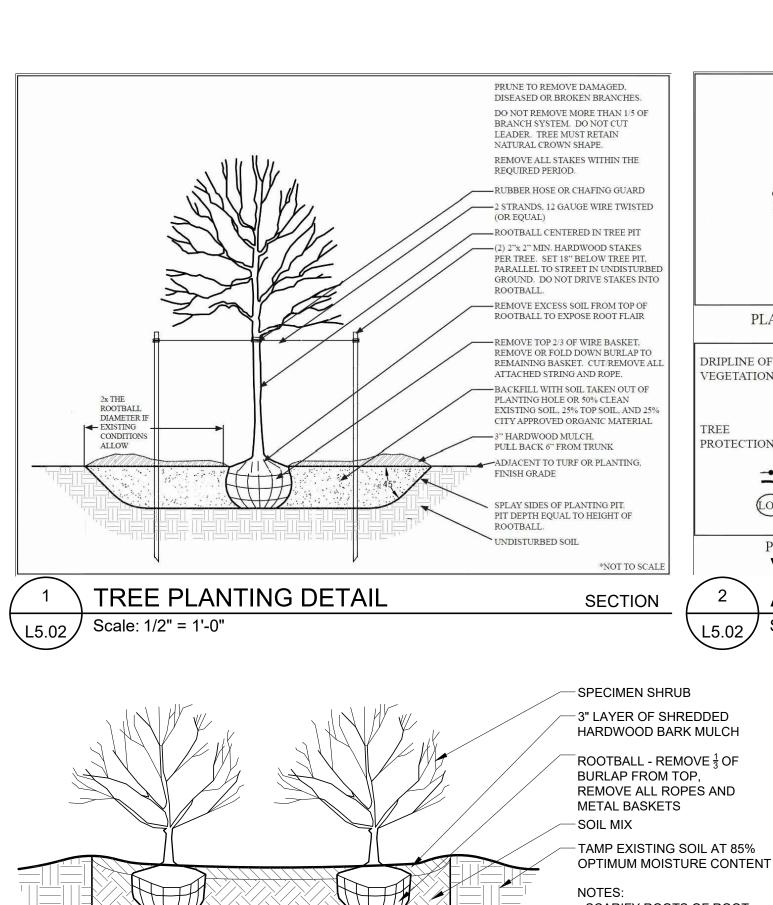
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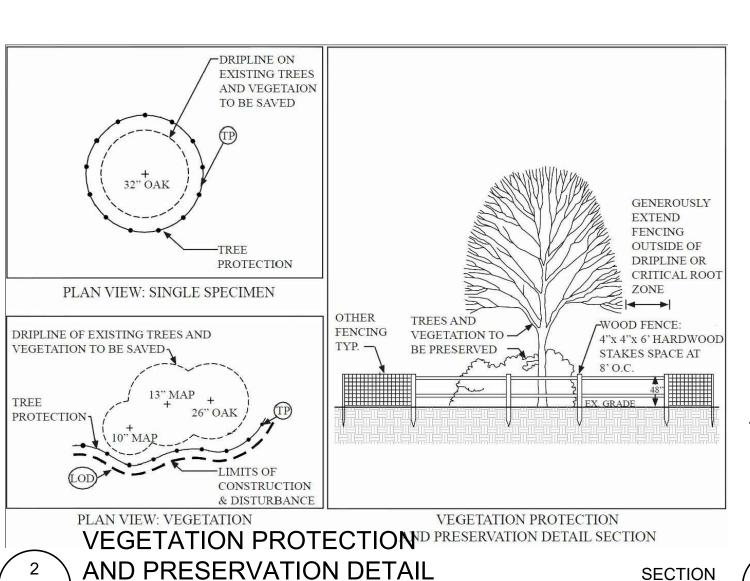
APPROVED/CHECKED:

PLANT SCHEDULE

SHEET NUMBER

PRELIMINARY VERIFICATION SUBMISSION





SPECIMEN TREE BLACK RUBBER HOSE -12 GAUGE GALVANIZED WIRE DOUBLE STRAND TWISTED -ROOT BALL - REMOVE  $\frac{1}{3}$  OF BURLAP FROM TOP, REMOVE ALL ROPES/ METAL BASKETS -3" SAUCER -3" LAYER OF SHREDDED HARDWOOD BARK MULCH -PLANTING SOIL MIX -2" x 2" x 18" HARDWOOD GUY STAKES, 3 PER TREE, 120° APART, DRIVEN AT 45° -6" HT. MOUND -UNDISTURBED SUBGRADE - STAKES TO BE DRIVEN UNTIL FIRMLY SET INTO UNDISTURBED GRADE - CONTRACTOR TO REGRADE, SOD OR HYDROSEED & STRAW MULCH ALL AREAS DISTURBED 2 1/2 TIMES TREE ROOTBALL

TREE GUYING PLANTING - SPECIMEN TREE

-MULTI-STEMMED SPECIMEN TREE BLACK RUBBER HOSE 12 GAUGE GALVANIZED WIRE DOUBLE STRAND TWISTED -3" LAYER OF SHREDDED HARDWOOD BARK MULCH 3" SAUCER -ROOT BALL - REMOVE  $\frac{1}{3}$  OF BURLAP FROM TOP: REMOVE ALL ROPES/ METAL BASKETS -PLANTING SOIL MIX -FLAGGING 2" x 2" x 18" HARDWOOD **GUY STAKES, 3 PER TREE** 120° APART, DRIVEN AT 45° -6" HT. MOUND -UNDISTURBED SUBGRADE - STAKES TO BE DRIVEN UNTIL FIRMLY SET INTO 2 1/2 TIMES TREE ROOTBALL **UNDISTURBED GRADE** 

PLANTING MIX NOTES:

TOP SOIL THAT WILL SUSTAIN PLANT GROWTH.

(FOUR PERCENT) ORGANIC MATTER

REQUIREMENTS.

CONTACT THEM AT:

1-800-264-4522

2790 WHITTEN ROAD

MEMPHIS, TN 38133

2. THE TOP SOIL SHALL NOT BE LACKING IN POTASSIUM

1. THE RECOMMENDED PLANTING MEDIUM SHOULD CONTAIN GOOD

PHOSPHORUS, MAGNESIUM OR CALCIUM. THE TOP SOIL SHALL

LOAM WITH WELL AGGREGATED CLAYS AND A MINIMUM OF 4%

NOT CONTAIN ANY MATERIALS TOXIC TO PLANT GROWTH.

4. THE SOILS PH RANGE SHOULD BE WITHIN 5.5 TO 7.0 AND

6. IF A LOCAL, REPUTABLE TESTING COMPANY CANNOT BE

A&L ANALYTICAL LABORATORIES, INC.

TO STUDIO 39 LANDSCAPE ARCHITECTURE, PC.

3. THE TOP SOIL SHALL BE A SANDY CLAY LOAM OR A SILTY CLAY

ADJUSTED AS NECESSARY FOR INDIVIDUAL PLANT SPECIES

5. A SOIL TEST SHALL BE PERFORMED BY A FULL-SERVICE TESTING

COMPANY AND THE RESULTS SHALL BE PROVIDED TO THE

LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF PLANTING

EMPLOYED, A&L LABS IS AVAILABLE TO CONDUCT THE TESTING.

TREE GUYING PLANTING -**MULTI-STEMMED** 

Scale: 1/4" = 1'-0" L5.02

PLANT SPACING CHART

AS SPECIFIED ON PLANT LIST

5 1/4" o.c.

6 7/8" o.c.

8 5/8" o.c.

10 3/8" o.c.

15 5/8" o.c.

20 3/4" o.c.

31 1/8" o.c.

36 3/8" o.c.

41 5/8" o.c

26" o.c.

13" o.c.

6" o.c.

8" o.c.

12" o.c.

15" o.c.

18" o.c.

NUMBER OF PLANTS

PER SQUARE FOOT

4.62

2.60

1.66

1.15

0.74

0.51

0.29

0.18

0.13

0.09

0.07

**SECTION** 

**ISSUE DATE** 

VERIFCATION

ST.STEPHENS & ST

**AGNES** 

1000 ST.STEPHENS RD ALEXANDRIA, VA 22304 ALEXANDRIA, VIRGINIA

ST STEPHEN'S ST AGNES SCHOOL

6416 GROVEDALE DR., SUITE 100-A

ALEXANDRIA, VIRGINIA 22310

703.719.6500 | STUDIO39.COM

JOSEPH J. PLUMPE

Lic.No.000802 

08.17.20

SEAL/SIGNATURE

. THE LAB SHALL PERFORM AN S1A TEST AND SUBMIT THE RESULTS

CONTACT:

STUDIO39 LANDSCAPE ARCHITECTURE, P.C.

© STUDIO39 LANDSCAPE ARCHITECTURE, P.C PROJECT NUMBER:

DRAWN: APPROVED/CHECKED: 18043

D. DOVE

ORIENTATION AND SCALE

1"=0'-0"

SHEET TITLE

LANDSCAPE NOTES

AND DETAILS

SHEET NUMBER

PRELIMINARY VERIFICATION SUBMISSION

- SCARIFY ROOTS OF ROOT **BOUND PLANTS** - PLANT SPACING VARIES (SEE PLANS) PRUNE ALL BROKEN, DISEASED & WEAK BRANCHES 2% SLØPE - ALL SHRUB BEDS TO BE 2 1/2 TIMES SHRUB ROOTBALLS COMPLETELY EXCAVATED OF ALL EXISTING SOIL TO DEPTH REQUIRED FOR SOIL MIX BACK FILL - REMOVE ALL STRINGS, RIBBONS & TAGS FROM PLANTS

Scale: 1/2" = 1'-0"

L5.02/

OF BULBS WHEN PLANTED **ANNUAL & PERENNIAL PLANTING SECTION** Scale: 1" = 1'-0"

TRIANGULAR SPACING FOR SHRUBS -GROUND COVERS - BULBS AND PERENNIALS L5.02 / Scale: 1" = 1'-0"

#### L5.02 PLANTING NOTES:

Scale: 1/2" = 1'-0"

SHRUB PLANTING

- 1. PLANT MATERIAL SHALL BE FURNISHED AND INSTALLED AS INDICATED, INCLUDING ALL LABOR, MATERIALS, PLANTS, EQUIPMENT, INCIDENTALS, AND CLEAN-UP. 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTING AT CORRECT GRADES AND ALIGNMENT. LAYOUT TO BE APPROVED BY OWNERS'
- REPRESENTATIVE PRIOR TO INSTALLATION. 3. PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY; HAVE NORMAL GROWTH HABITS, WELL-DEVELOPED DENSELY FOLIATED BRANCHES, AND
- VIGOROUS ROOT SYSTEMS; AND BE FREE FROM DEFECTS AND INJURIES. 4. CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO GROWTH OF PLANT MATERIAL
- 5. ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN VIGOROUS GROWING CONDITION. PROVISION SHALL BE MADE FOR A GROWTH GUARANTEE OF AT LEAST ONE YEAR FROM THE DATE OF ACCEPTANCE FOR TREES, SHRUBS, GROUNDCOVER AND PERENNIALS. REPLACEMENTS SHALL BE MADE AT THE BEGINNING OF THE FIRST SUCCEEDING PLANTING SEASON. ALL REPLACEMENTS SHALL HAVE A GUARANTEE EQUAL TO THAT STATED ABOVE.
- 6. PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY IF/WHEN PRACTICAL. IN THE EVENT THAT THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT STOCK NOT PLANTED. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE-DAY PERIOD AFTER DELIVERY. ANY PLANTS NOT INSTALLED DURING THIS PERIOD SHALL BE REJECTED, UNLESS OWNER AND CONTRACTOR PROVIDE OTHERWISE BY WRITTEN AGREEMENT.
- 7. QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS, AND SIZE OF ROOT BALL SHALL BE IN ACCORDANCE WITH THE MOST RECENT VERSION OF ANSI Z60 "AMERICAN STANDARD FOR NURSERY STOCK" PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC.
- 8. ALL PLANTS SHALL BE PLANTED IN AMENDED TOP SOIL THAT IS THOROUGHLY WATERED AND TAMPED AS BACK-FILLING PROCESSES. PLANTING MIX TO BE AS SHOWN ON PLANTING DETAILS. LARGE PLANTING AREAS TO INCORPORATE FERTILIZER AND SOIL CONDITIONERS AS STATED IN PLANTING SPECIFICATIONS.
- 9. PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES. PLANTS SHALL BE HANDLED FORM THE BOTTOM OF THE BALL ONLY. 10. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE
- AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED IN TOP SOIL THAT IS IN A MUDDY OR FROZEN CONDITION. ALL PLANT MATERIAL SHALL BE SPRAYED WITH "WILT-PRUF" OR EQUAL AS PER MANUFACTURER'S INSTRUCTIONS. 11.NO PLANT, EXCEPT GROUND COVERS, SHALL BE PLANTED LESS THAN TWO FEET FROM EXISTING STRUCTURES AND SIDEWALKS.
- 12. SET ALL PLANTS PLUMB AND STRAIGHT. SET AT SUCH LEVEL THAT A NORMAL OR NATURAL RELATIONSHIP TO THE GROUND IF THE PLANT WITH THE GROUND SURFACE WILL BE ESTABLISHED. LOCATE THE PLANT IN THE CENTER OF THE PIT
- 13. ALL INJURED ROOTS SHALL BE PRUNED TO MAKE CLEAN ENDS BEFORE PLANTING UTILIZING CLEAN, SHARP TOOLS. IT IS ADVISABLE TO PRUNE APPROXIMATELY 1/3 OF THE GROWTH OF LARGE TREES (2" CALIPER AND GREATER) BY THE REMOVAL OF SUPERFLUOUS BRANCHES, THOSE WHICH CROSS, THOSE WHICH RUN PARALLEL, ETC. MAIN LEADER OF TREES SHALL NOT BE CUT BACK. LONG SIDES BRANCHES SHALL BE SHORTENED. 14. EACH TREE AND SHRUB SHALL BE PRUNED IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICE TO PRESERVE THE NATURAL CHARACTER OF
- PLANT. PRUNING SHALL BE DONE WITH CLEAN, SHARP TOOLS. 15. TREES SHALL BE SUPPORTED IMMEDIATELY AFTER PLANTING. ALL TREES 6" AND GREATER IN CALIPER SHALL BE GUYED. SMALLER TREES SHALL BE STAKED. GUYING WIRES AND STAKES SHALL BE INSTALLED AS INDICATED. THE LANDSCAPE CONTRACTOR SHALL REMOVE STAKING, GUYING AND TREE
- WRAP AT THE END OF ONE YEAR MAINTENANCE AND GUARANTEE PERIOD. 16. ALL PLANTING BEDS SHALL BE MULCHED WITH 3" LAYER OF MULCH
- 17.NEW PLANTING AREAS AND SOD SHALL BE ADEQUATELY WATERED TO ESTABLISH THE PROPOSED PLANTS AND LAWN.
- 18. ALL PLANTS SHOWN ON THE APPROVED LANDSCAPE PLAN SHALL BE INSTALLED, INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT OR HIS REPRESENTATIVE. THE LANDSCAPE ARCHITECT SHALL TAKE INTO ACCOUNT SEASONAL CONSIDERATIONS IN THIS REGARD. TREES, SHRUBS, VINES AND GROUNDCOVER AS REQUIRED BY OR ASSOCIATED WITH A SUBDIVISION OR SITE PLAN APPROVED BY THE PLANNING AUTHORITIES SHALL BE INSTALLED DURING THE FOLLOWING PLANTING SEASONS: LAWNS: 03/15 TO 06/15 AND 09/15 TO 12/01. THE FOLLOWING TREE VARIETIES SHALL NOT BE PLANTED DURING THE FALL PLANTING SEASON DUE TO THE HAZARDS ASSOCIATED WITH PLANTING THESE TREES IN THIS SEASON: ACER RUBRUM POPULUS SPP.; BETULA SPP. PRUNUS SPP.; CARPINUS SPP. PYRUS SPP.; CRATECUS SPP. QUERCUS SPP.; KOELREUTERIA PANICULATA SALIX SPP.; LIQUIDAMBAR STYRACIFLUA TILIA TOMENTOSA; LIRIODENDRON TULIPIFERA ZELKOVA; PLATANUS ACERIFOLIA; ANY PLANTING INSTALLED IN CONFLICT WITH THIS REQUIREMENT MUST RECEIVE WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT PRIOR TO PLANTING. FAILURE TO COMPLY WITH THESE REQUIREMENTS WILL REQUIRE THE REMOVAL OF THE PLANTING IN QUESTION. THIS REQUIREMENT DOES NOT APPLY TO SEEDING OR SODDING OR PLANTINGS SPECIFICALLY FOR SOIL STABILIZATION PURPOSES. PLANTINGS ASSOCIATED WITH ANY LOT GIVEN A CERTIFICATE OF OCCUPANCY OUTSIDE THESE PERIODS SHALL BE PROVIDED DURING THE PREVIOUS OR NEXT APPROPRIATE SEASON.
- 19. ALL DISTURBED AREAS SHALL BE TREATED WITH 4" TOP SOIL SODDED OR SEEDED AS NOTED IN ACCORDANCE WITH PERMANENT STABILIZATION METHODS INDICATED ON SOIL EROSION AND SEDIMENT CONTROL SHEET.

- 20.CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL PLANT MAINTENANCE; INCLUDING SHRUBS AND GROUNDCOVER, AND SHALL MAINTAIN AREA IN A WEED AND DEBRIS FREE CONDITION THROUGHOUT THE ONE-YEAR GUARANTEE PERIOD. UNLESS OTHERWISE SPECIFIED.
- 21.CONTRACTOR SHALL LAYOUT AND CLEARLY STAKE ALL PROPOSED IMPROVEMENTS INCLUDED ON THIS PLAN. 22.CONTRACTOR TO VERIFY PLANT LIST TOTALS WITH QUANTITIES SHOWN ON PLAN. LANDSCAPE ARCHITECT SHALL BE ALERTED BY CONTRACTOR OF ANY DISCREPANCIES PRIOR TO FINAL BID NEGOTIATION. UNIT PRICES FOR ALL MATERIAL SHALL BE SUPPLIED TO THE OWNER AT BIDDING TIME.

Scale: 1/4" = 1'-0"

L5.02

SPECIMEN PLANTS

BULB DEPTH 6-8"

-3" LAYER OF SHREDDED

HARDWOOD BARK MULCH

FERTILIZER & CHEMICAL

ADDITIVE TO BE PLACED AT

6-8" DEPTH (AT ROOT ZONE)

-SOIL MIX: USE  $\frac{1}{3}$  PINE FINES

(GROUND) OR EARTH LIFE,

BEDS  $\frac{1}{4}$  " MIN. TO NATURAL

- SLOPE BOTTOM OF PREPARED

- MIX IN BONE MEAL AT BOTTOM

<sup>1</sup>/<sub>6</sub> PERLITE, <sup>1</sup>/<sub>2</sub> TOP SOIL

LOW POINT

-SUBGRADE

- 23.ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE LANDSCAPE ARCHITECT. OWNER SHALL RECEIVE TAG FROM EACH PLANT SPECIES AND A LIST OF PLANT SUPPLIERS. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL MEET THE NORMAL REQUIREMENTS FOR THE VARIETY PER THE AMERICAN STANDARD FOR NURSERY STOCK, LATEST EDITION, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN (AAN). PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT.
- 24.SIZES SPECIFIED IN THE PLANT LIST ARE MINIMUM SIZES TO WHICH THE PLANTS ARE TO BE JUDGED. FAILURE TO MEET MINIMUM SIZE ON ANY PLANT WILL RESULT IN REJECTION OF THAT PLANT.

25.ALL PLANTS SHALL BE FRESHLY DUG, SOUND, HEALTHY, VIGOROUS, WELL BRANCHED, FREE OF DISEASE, INSECT EGGS, AND LARVAE, AND SHALL HAVE

- ADEQUATE ROOT SYSTEMS. 26.ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS AND ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION.
- 27.GROUPS OF SHRUBS SHALL BE PLACED IN A CONTINUOUS MULCH BED WITH SMOOTH CONTINUOUS LINES. ALL MULCHED BED EDGES SHALL BE CURVILINEAR IN SHAPE FOLLOWING THE CONTOUR OF THE PLANT MASS. TREES LOCATED WITHIN FOUR FEET OF SHRUB BEDS SHALL SHARE SAME MULCH BED.
- 28.TREES SHALL BE LOCATED A MINIMUM OF 3' 4' FROM WALLS AND WALKS WITHIN THE PROJECT. IF CONFLICTS ARISE BETWEEN ACTUAL SIZE OF AREA AND PLANS, CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT FOR RESOLUTION. FAILURE TO MAKE SUCH CONFLICTS KNOWN TO THE OWNER OR
- LANDSCAPE ARCHITECT WILL RESULT IN CONTRACTOR'S LIABILITY TO RELOCATE MATERIALS. 29.TREE STAKING AND GUYING SHALL BE DONE PER DETAILS. CONTRACTOR SHALL ENSURE THAT TREES REMAIN VERTICAL AND UPRIGHT FOR THE
- DURATION OF THE GUARANTEE PERIOD.
- 30.CROWN OF ROOT BALL SHALL BE HIGHER (AFTER SETTLING) THAN ADJACENT SOIL. 31. TAGS AND TWINE ARE TO BE REMOVED AND BURLAP IS TO BE ROLLED BACK ONE-THIRD ON ALL B&B PLANT MATERIAL. REMOVE BURLAP IF IT IS
- NON-BIODEGRADABLE. FOR STREET TREES TAGS, TWINE, CORD, BURLAP AND WIRE BASKET TO BE CUT 12" DOWN SIDE OF ROOT BALL AND REMOVED FROM PROJECT SITE. 32.SHRUBS AND GROUND COVERS SHALL BE TRIANGULARLY SPACED AT SPACING SHOWN ON PLANTING PLANS
- 33.SHADE TREES: HEIGHT SHALL BE MEASURED FROM THE CROWN OF THE ROOT BALL TO THE TOP OF MATURE GROWTH. SPREAD SHALL BE MEASURED TO THE END OF BRANCHING EQUALLY AROUND THE CROWN FROM THE CENTER OF THE TRUNK. MEASUREMENTS ARE NOT TO INCLUDE ANY TERMINAL GROWTH. SINGLE TRUNK TREES SHALL BE FREE OF "V" CROTCHES THAT COULD BE POINTS OF WEAK LIMB STRUCTURE OR DISEASE INFESTATION. SHRUBS: HEIGHT SHALL BE MEASURED FROM THE GROUND TO THE AVERAGE HEIGHT OF THE TOP OF THE PLANT. SPREAD SHALL BE MEASURED TO THE END OF BRANCHING EQUALLY AROUND THE SHRUB MASS. MEASUREMENTS ARE NOT TO INCLUDE ANY TERMINAL GROWTH
- 34.ALL SUBSTITUTIONS OF PLANT MATERIAL ARE TO BE REQUESTED IN WRITING TO THE LANDSCAPE ARCHITECT AND APPROVED BY THE OWNER. IF CONTRACTOR FAILS TO SUBMIT A WRITTEN REQUEST, IT WILL RESULT IN LIABILITY TO THE CONTRACTOR.
- 35.ALL CONTRACTORS SHALL BE REQUIRED TO COMPLETELY REMOVE ALL TRASH, DEBRIS AND EXCESS MATERIALS FROM THE WORK AREA AND THE PROPERTY, ESPECIALLY AT ALL CURB, GUTTERS AND SIDEWALKS DAILY DURING INSTALLATION.
- 36.DEAD PLANTS ARE TO BE REMOVED FROM THE JOB BY THE CONTRACTOR WEEKLY. CONTRACTOR SHALL MAINTAIN AN UPDATED, COMPREHENSIVE LIST OF ALL DEAD MATERIALS REMOVED FROM THE JOB SITE. A COPY OF THE LIST IS TO BE SUBMITTED TO THE OWNER AT THE END OF EVERY MONTH DURING THE CONTRACT PERIOD.
- 37.TOPSOIL REQUIRED FOR SOIL MIXES AND SPECIAL SEEDING AREAS SHALL BE PROVIDED BY LANDSCAPE CONTRACTOR. CONTRACTOR MUST LOAD, HAUL MIX, AND SPREAD ALL TOPSOIL AND OTHER SOIL ADDITIVES ARE REQUIRED. 38.CONTRACTOR SHALL GUARANTEE ALL LANDSCAPE IMPROVEMENTS, INCLUDING SEEDING, FOR ONE FULL YEAR AS REQUIRED BY THE SPECIFICATIONS.
- CONTRACTOR MUST CONTACT THE OWNER AT LEAST TEN WORKING DAYS IN ADVANCE TO SCHEDULE ACCEPTANCE INSPECTION(S). CONTRACTOR MUST REPLACE ALL DEAD OR UNACCEPTABLE PLANTS DURING THE FOLLOWING RECOMMENDED PLANTING SEASON.
- 39.THE SPECIFICATIONS FOR ALL WORK INCLUDED IN THIS CONTRACT SHALL BE LANDSCAPE SPECIFICATIONS GUIDELINES FOR BALTIMORE-WASHINGTON METROPOLITAN AREA, CURRENT EDITION, UNLESS OTHERWISE NOTED ON THESE PLANS.

## ARCHAEOLOGY NOTES

1. THE APPLICANT/DEVELOPER SHALL CALL ALEXANDRIA ARCHAEOLOGY (703/746-4399) TWO WEEKS BEFORE THE STARTING DATE OF ANY GROUND DISTURBANCE SO THAT A MONITORING AND INSPECTION SCHEDULE FOR CITY ARCHAEOLOGISTS CAN BE ARRANGED.

2. CALL ALEXANDRIA ARCHAEOLOGY IMMEDIATELY (703-746-4399) IF ANY BURIED STRUCTURAL REMAINS (WALLS WELL, PRIVIES, CISTERNS, ETC.) OR CONCENTRATIONS OF ARTIFACTS ARE DISCOVERED DURING DEVELOPMENT. WORK MUST CEASE IN THE AREA OF THE DISCOVERY UNTIL A CITY ARCHAEOLOGIST COMES TO THE SITE AND RECORDS THE FINDS.

3. THE APPLICANT SHALL NOT ALLOW ANY METAL DETECTION AND/OR ARTIFACT COLLECTION TO BE CONDUCTED ON THE PROPERTY, UNLESS AUTHORIZED BY ALEXANDRIA ARCHAEOLOGY. FAILURE TO COMPLY SHALL RESULT IN PROJECT DELAYS.

4. ALL REQUIRED ARCHAEOLOGICAL PRESERVATION MEASURES SHALL BE COMPLETED IN COMPLIANCE WITH SECTION 11-411 OF THE ZONING ORDINANCE.

#### PLANTING NOTES (CONT.)

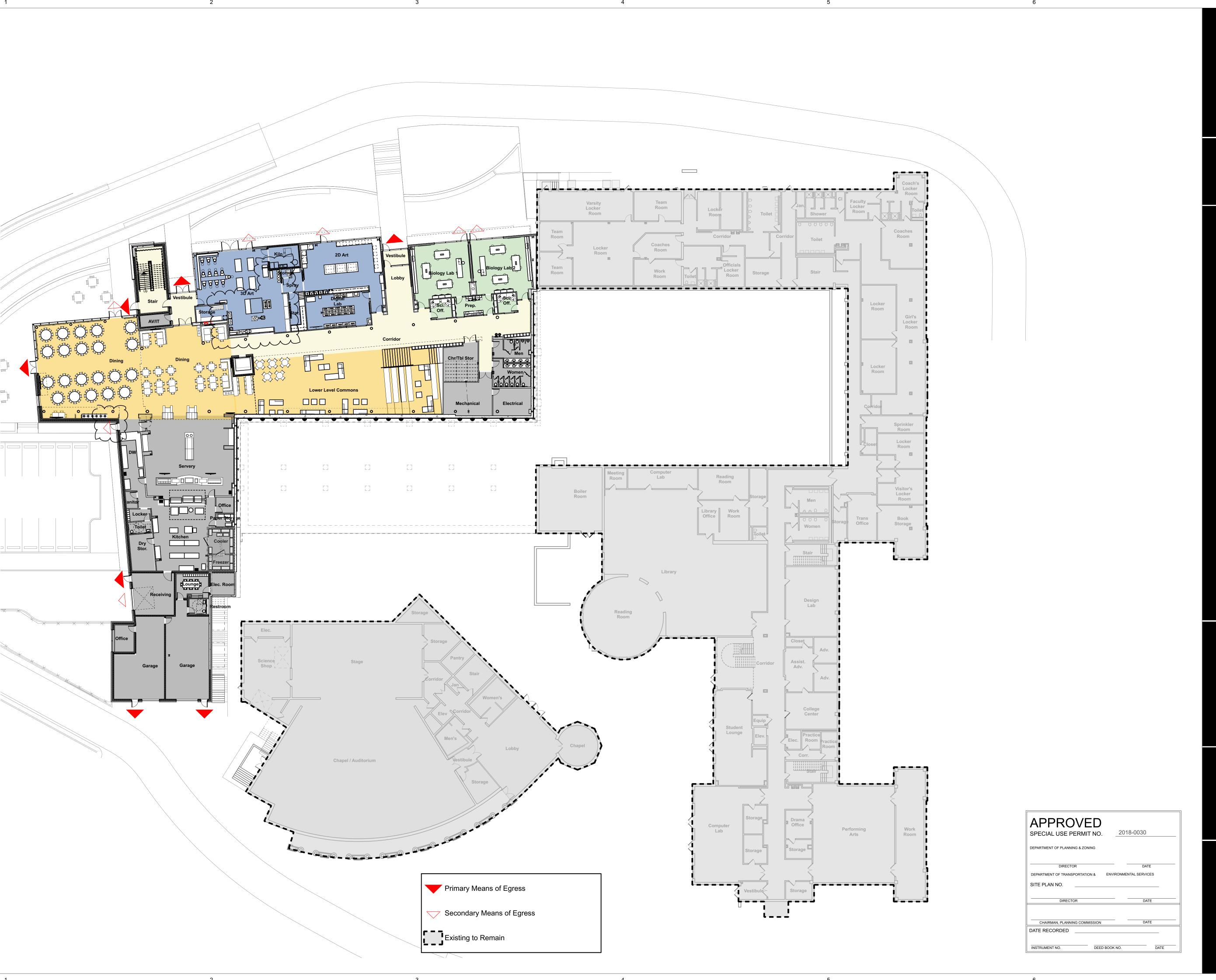
1. ALL MATERIALS' SPECIFICATIONS SHALL BE IN ACCORDANCE WITH THE INDUSTRY STANDARD FOR GRADING PLANT MATERIAL - THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1).

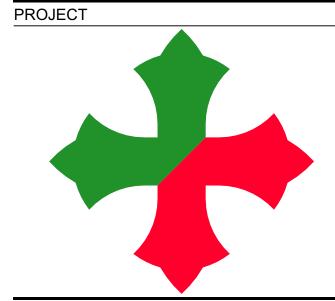
2. MAINTENANCE OF ALL TREES AND LANDSCAPE MATERIALS SHALL CONFORM TO ACCEPTED INDUSTRY STANDARDS SET FORTH BY THE LANDSCAPE CONTRACTORS ASSOCIATION, AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS, THE INTERNATIONAL SOCIETY OF ARBORICULTURE. AND THE AMERICAN NATIONAL STANDARDS INSTITUTE.

2018-0030 SPECIAL USE PERMIT NO. DEPARTMENT OF PLANNING & ZONIN ENVIRONMENTAL SERVICES DEPARTMENT OF TRANSPORTATION & SITE PLAN NO. DATE RECORDED

DEED BOOK NO.

INSTRUMENT NO.





CLIENT St. Stephen's & St. Agnes Upper School 1000 St. Stephens Road

Alexandria VA 22304 T: 703.751.2700

OWNER'S REPRESENTATIVE

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Reston VA 20191 T: 703.289.2100

F: 703.289.2101 ARCHITECT

cg+s architects 2909 M Street NW Washington DC 20007

T: 202.965.7070 F: 202.965.7144

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R.C. Fields & Associates, Inc.

730 South Washington Street

Alexandria VA 22314 T: 703.549.6422

LANDSCAPE ARCHITECT Studio39 Landscape Architecture, P.C.

6416 Grovedale Drive, Suite 100-A

Alexandria VA 22310 T: 703.719.6500

F: 703.719.6503

STRUCTURAL ENGINEER

Linton Engineering, LLC 46090 Lake Center Plaza

Potomac Falls VA 20165 T: 571.323.0320

MEP ENGINEER

**Engenium Group** 1017 O Street NW Washington DC 20001 T: 202.505.3646

FOOD SERVICE

Nyikos Associates 18219-A Flower Hill Way Gaithersburg MD 20879 T: 240.683.9530

JOANNA SCHMICKE

Mark Date Description 01-15-2020 Preliminary Completeness 03-16-2020 | Preliminary Verification 08-17-2020 Preliminary Verification

Drawing Title:

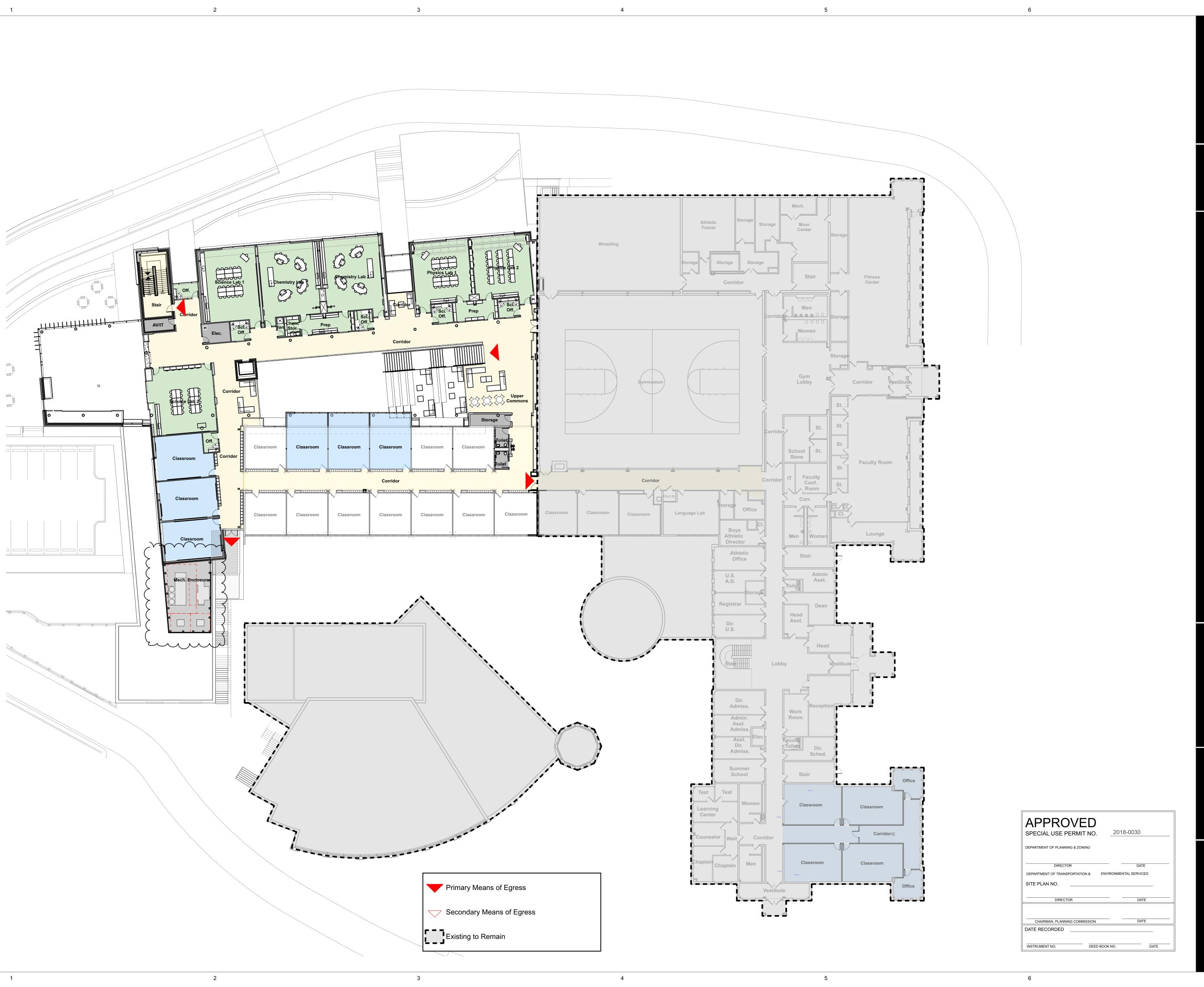
Overall Lower Level Floor Plan

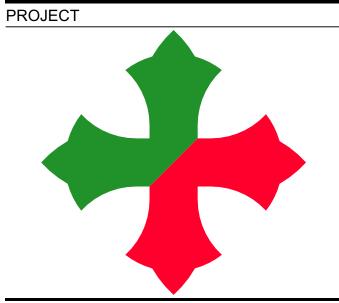
Graphic Scale:

Date: 01-15-2020



Drawing No:





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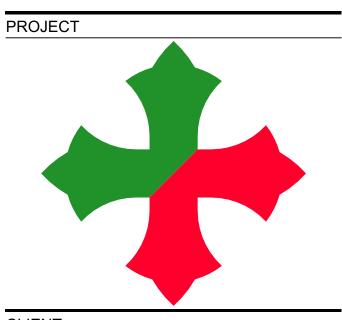
Nyikos Associates

18219-A Flower Hill Way
Gaithersburg MD 20879
T: 240.683.9530



Mark	Date	Description		
	01-15-2020	Preliminary Completeness		
	03-16-2020	Preliminary Verification		
	08-17-2020	Preliminary Verification		
Ovoid		l Floor Plan		
Graph	ic Scale:			
Graph		40'		
Graph	ic Scale:			
Graph	ic Scale:	40'		
Graph  O 1  Projec	ic Scale:	Date:		

Drainage Area to Collection Point 'D1' Total Area = 6,856 sf Green Roof Area = 3,306 sf Conductor Head & Downspout to Gravel Roof Total Area = 435 sf Collection Point 'D1 Collection Point 'D2' Conductor Head & Downspout to Gravel Total Area = 55 sf Drainage Area to
Collection Point 'B'
Total Area = 6,541 sf Drainage Area to
Collection Point 'A' Total Area = 3,114 sf Green Roof Area = 0 sf Green Roof Area = 0 sf Collection Point 'B' Collection Point 'A' Drainage Area to
Collection Point 'D2'
Total Area = 3,498 sf Green Roof Area = 0 sf Collection Point 'D3' Drainage Area to Collection Point 'D3' Total Area = 1,230 sf Green Roof Area = 0 sf Collection Point 'C' Drainage Area to
Collection Point 'C'
Total Area = 3,616 sf Green Roof Area = 0 sf 3,306 sq ft Green Roof: Membrane Roof / Gravel Roof: 21,766 sq ft Existing Roof to Remain



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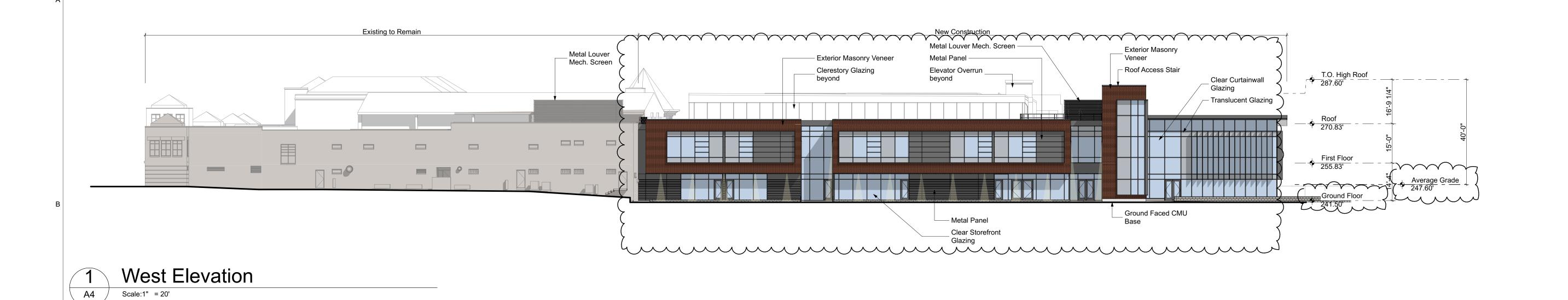
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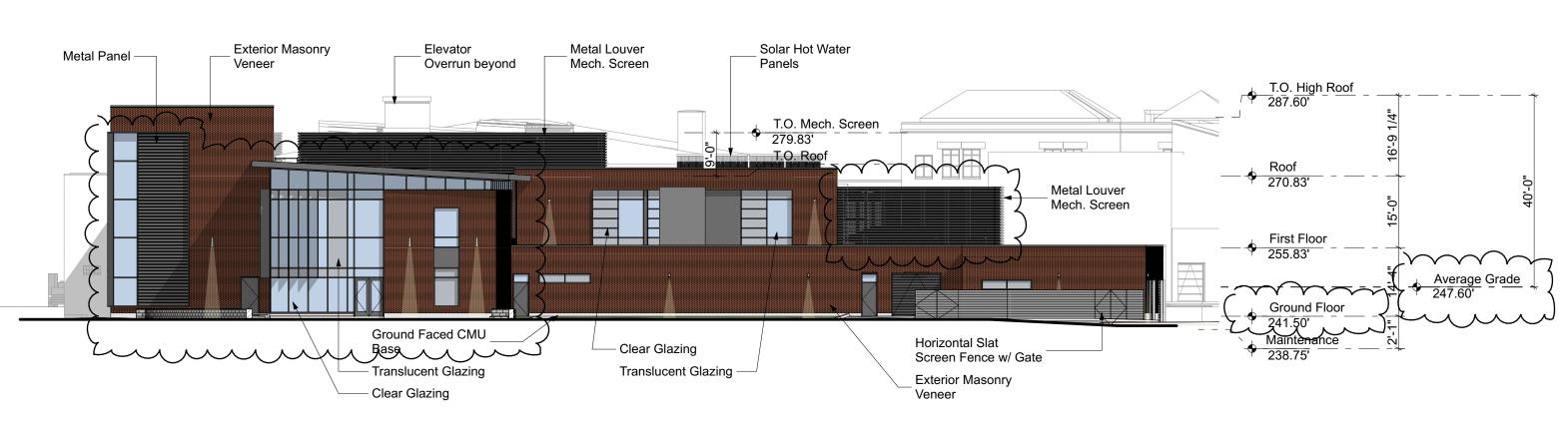
Nyikos Associates 18219-A Flower Hill Way Gaithersburg MD 20879 T: 240.683.9530



01-15-2020 Preliminary Co 03-16-2020 Preliminary Ve 08-17-2020 Preliminary V  Drawing Title: Overall Roof Level Floor Plan  Graphic Scale:  0 10' 20' 40'  Project No: Date: 1825 01-15-20  Drawing  A3	
Drawing Title:  Overall Roof Level Floor Plan  Graphic Scale:  O 10' 20' 40'  Project No: Date:  1825  Drawing	mpleteness
Drawing Title:  Overall Roof Level Floor Plan  Graphic Scale:   O 10' 20' 40'  Project No: Date:  1825 01-15-20  Drawing	rification
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Overall Roof Level Floor Plan  Graphic Scale:  O 10' 20' 40'  Project No: Date: 1825 01-15-20  Drawing	
Overall Roof Level Floor Plan  Graphic Scale:  O 10' 20' 40'  Project No: Date:  1825 01-15-20  Drawing	
Overall Roof Level Floor Plan  Graphic Scale:  O 10' 20' 40'  Project No: Date:  1825 01-15-20  Drawing	
Graphic Scale:  0 10' 20' 40'  Project No: Date: 1825 01-15-20  Drawing	
Graphic Scale:  0 10' 20' 40'  Project No: Date: 1825 01-15-20  Drawing	
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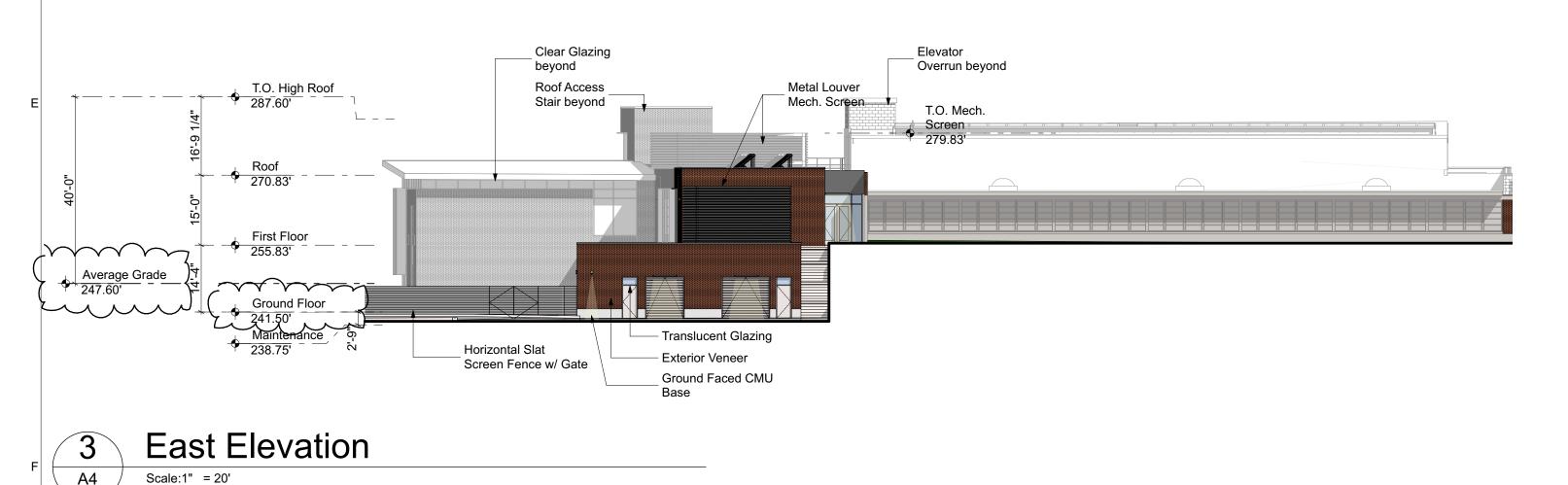
DEED BOOK NO.

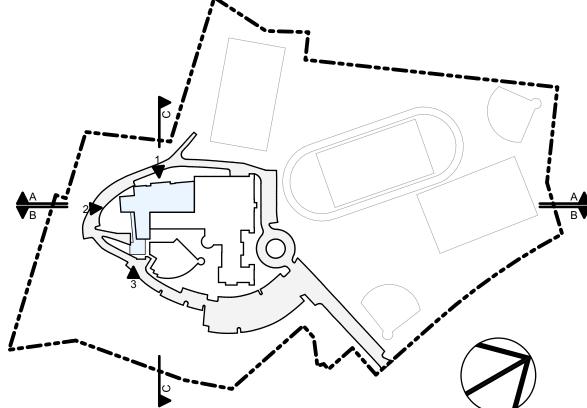




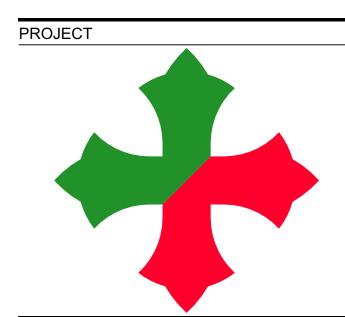
South Elevation Scale:1" = 20'

Scale:1" = 20'









CLIENT St. Stephen's & St. Agnes Upper School 1000 St. Stephens Road Alexandria VA 22304

OWNER'S REPRESENTATIVE Orr Partners 11180 Sunrise Valley Drive, Suite 200 Reston VA 20191 T: 703.289.2100

F: 703.289.2101 ARCHITECT cg+s architects 2909 M Street NW T: 202.965.7070

T: 703.751.2700

Washington DC 20007 F: 202.965.7144 CIVIL ENGINEER

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LANDSCAPE ARCHITECT Studio39 Landscape Architecture, P.C. 6416 Grovedale Drive, Suite 100-A Alexandria VA 22310

T: 703.719.6500 F: 703.719.6503 STRUCTURAL ENGINEER

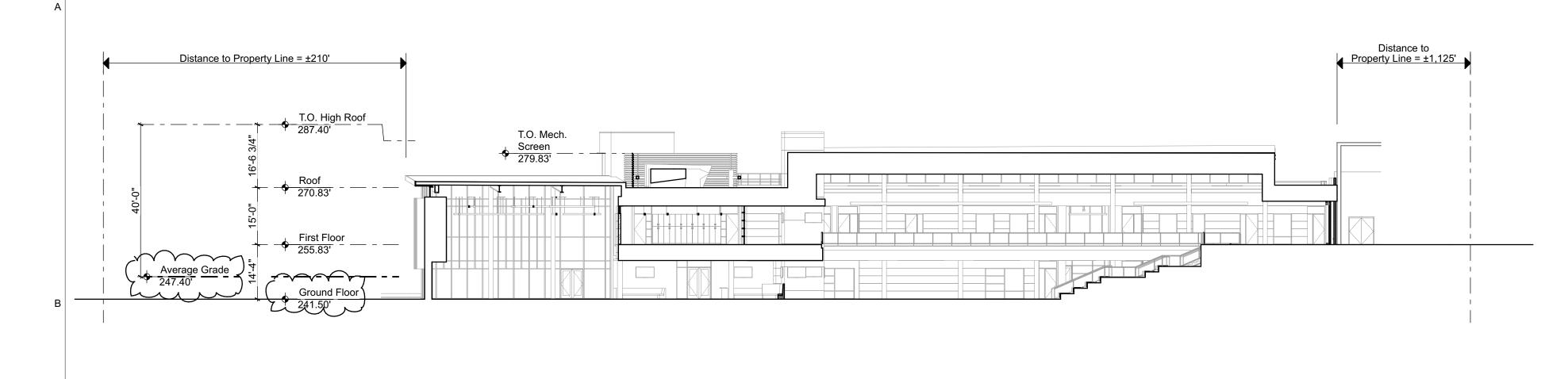
Linton Engineering, LLC 46090 Lake Center Plaza Potomac Falls VA 20165 T: 571.323.0320

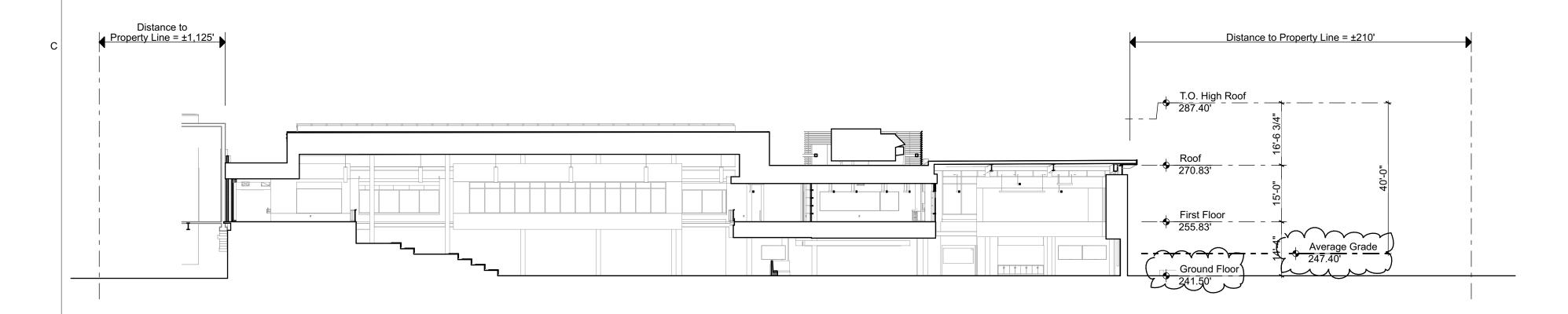
MEP ENGINEER **Engenium Group** 1017 O Street NW Washington DC 20001 T: 202.505.3646

FOOD SERVICE Nyikos Associates 18219-A Flower Hill Way Gaithersburg MD 20879 T: 240.683.9530



Mark	Date	Description		
	01-15-2020	Preliminary Completeness		
	03-16-2020	Preliminary Verification  Preliminary Verification		
	08-17-2020			
Drawir	ng Title:			
Elevat	ions			
Graph	ic Scale:			
0 1	0' 20'	40'		
Projec	t No:	Date:		
1825		01-15-2020		
		Drawing No:		





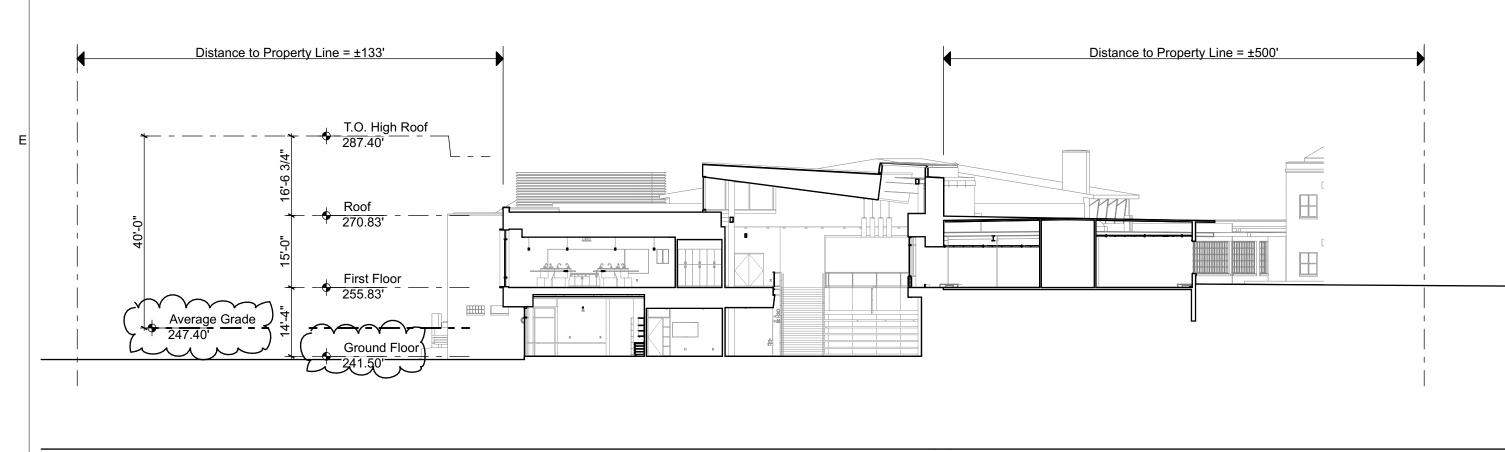
N-S Building Section (Section B-B)

Scale:1" = 20'

N-S Building Section (Section A-A)

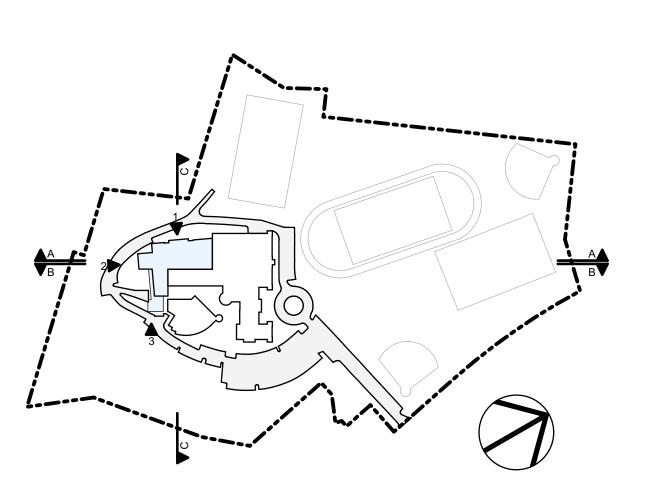
A5

Scale:1" = 20'

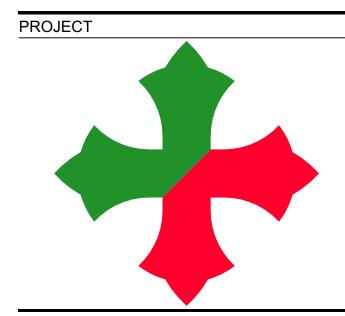


E-W Building Section (Section C-C)

Scale:1" = 20'







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Mark	Date	Description
	01-15-2020	Preliminary Completeness
	03-16-2020	Preliminary Verification
	08-17-2020	Preliminary Verification
Drawir	ng Title:	
Buildir	g Sections	
Graph	ic Scale:	
0 1	0' 20'	40'
	4 N1	Dete
Projec	t No:	Date:
1825		01-15-2020
		Drawing No:



APPROVED SPECIAL USE PERMIT NO. 2018-0030 DEPARTMENT OF PLANNING & ZONING DEPARTMENT OF TRANSPORTATION & ENVIRONMENTAL SERVICES SITE PLAN NO. DATE RECORDED INSTRUMENT NO. DEED BOOK NO.

PROJECT

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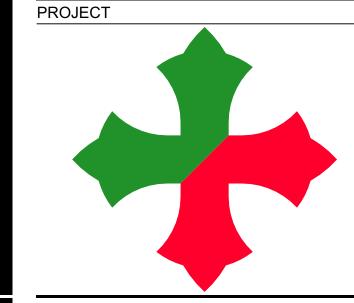
Mark	Date	Description
	01-15-2020	Preliminary Completeness
	03-16-2020	Preliminary Verification
	08-17-2020	Preliminary Verification
Drawin	ng Title:	<u> </u>

Perspective View from Southwest Corner

Graphic Scale:

Project No: Date: 01-15-2020 Drawing No:

Included in NSF / GSF Existing Calculation Proposed Included in NSF / GSF Calculation Excluded Excluded from NSF / GSF Calculation Area Schedule (Net) AREA 22,994 sf Area (Existing) (Proposed) (Exclusions) 4,981 nsf 0 nsf 42,554 nsf 22,994 nsf 1,291 nsf 45,643 nsf 14,468 nsf 6,880 nsf Lower Level Main Level 5,718 nsf 0 nsf 531 nsf Upper Level 98,896 nsf 37,462 nsf 8,822 nsf Area Schedule (Gross) Area (Existing) (Proposed) (Exclusions) AREA 42,554 sf 6,145 gsf 0 gsf 61 gsf 47,665 gsf 25,757 gsf 1,451 gsf 50,626 gsf 16,048 gsf 7,730 gsf 7,116 gsf 0 gsf 597 gsf Lower Floor Main Level 111,552 gsf 41,805 gsf 9,773 gsf GSF not represented graphically AREA 4,981 sf PAC LL Plan Lower Level Plan SCALE: 1" = 40' SCALE: 1" = 40' AREA 45,643 sf AREA 5,718 sf APPROVED SPECIAL USE PERMIT NO. 2018-0030 DEPARTMENT OF TRANSPORTATION & ENVIRONMENTAL SERVICES SITE PLAN NO. Upper Level Plan Main Level Plan SCALE: 1" = 40' SCALE: 1" = 40' DATE RECORDED



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Mark	Date	Description
	01-15-2020	Preliminary Completeness
	03-16-2020	Preliminary Verification
	08-17-2020	Preliminary Verification
Drawir	ng Title:	
Floor A	Area Ratio	
Graph	ic Scale:	
•	20' 40'	80'
Project No:		Date:
1825		01-15-2020
		Drawing No:

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DATE

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