

A:\Proj\161800001 - Patrick Henry Drawings\161800001\DWG\Phase INT-C-2.50-01 COVER SHEET.dwg PLOTTED Aug 07, 2019

SITE TABULATIONS	
TOTAL SITE AREA:	13.82 AC (602,150 SF)
PROPOSED USE:	PRE-K-8 SCHOOL & RECREATIONAL FACILITY
SMALL AREA PLAN DISTRICT:	SEMINARY HILL/STRAWBERRY HILL
WATERSHED:	HOLMES RUN
ZONING DISTRICT:	R-12
PARKING DISTRICT:	ZONE 12
ADJACENT AREAS ZONED:	POS, R8, R12 / PUBLIC OPEN SPACE, RESIDENTIAL ZONES (NORTH) R12 / RESIDENTIAL ZONE (SOUTH) R8, R12 / RESIDENTIAL ZONES (WEST) RA / RESIDENTIAL MULTI-FAMILY (EAST)
ADJACENT USES:	NORTH: PARK LAND (PUBLIC) NORTH: PEACOCK AVE (RESIDENTIAL) SOUTH: BELOW TANNEY AVE (RESIDENTIAL, CHURCH) EAST, WEST: (RESIDENTIAL)
EXISTING IMPERVIOUS AREA:	4 AC
EXISTING OPEN SPACE:	AC
AREA OF DISTURBANCE:	12 AC
EXISTING ELEMENTARY SCHOOL AND RECREATIONAL CENTER	
EXISTING BUILDING	
TOTAL GROSS FLOOR AREA:	86,437 SF (77,037 SF SCHOOL & 9,400 SF REC)
EXISTING FAR:	86,437 SF / 602,150 SF=0.144
EXISTING BUILDING HEIGHT:	1-STORY HEIGHT: 20.00' (INCLUDES REC FACILITY)
EXISTING USE GROUP:	E
EXISTING CONSTRUCTION TYPE:	IIB & IIC
EXISTING PARKING SPACES:	72
EXISTING HANDICAP SPACES:	3
EXISTING LOADING SPACES:	1
EXISTING TRIP GENERATION:	1119 ADT -WEEKDAY (822 SCHOOL & 297 REC FACILITY) *PROVIDED BY WELLS & ASSOCIATE TRAFFIC IMPACT STUDY DATED FEBRUARY 12, 2016
PROPOSED PRE-K - 8 SCHOOL AND RECREATIONAL FACILITY	
TOTAL GROSS BUILDING FLOOR AREA:	155,558 SF (136,717 SF SCHOOL & 18,841 SF REC)
GROSS FLOOR AREA	1-STORY: 99,378 SF 2-STORY: 35,377 SF 3-STORY: 20,803 SF
FOR PHASE INT FAR TABULATIONS SEE SHEET C-2.51.01	
TOTAL CANOPY AREA:	5,753 S.F.
TOTAL SUN SHADE AREA:	339 S.F.
NET FLOOR AREA:	1-STORY: 75,673 S.F. REC FACILITY: 18,220 S.F. 2-STORY: 31,845 S.F. 3-STORY: 18,460 S.F. TOTAL NET AREA: 144,198 S.F.
BUILDING HEIGHT:	1-STORY: 25.33' (INCLUDES REC FACILITY) 2-STORY: 36.00' 3-STORY: 47.33'
FAR:	(155,558+5,753+339)/ 602,150 SF = 0.269
USE GROUP:	E (SCHOOL) & A (REC FACILITY)
CONSTRUCTION TYPE:	IIB
PARKING	PARKING DISTRICT ZONE 12: 650 CLASSROOM SEATS x (1 SPACE/25 CLASSROOM SEATS) = 26 SPACES (SCHOOL) 10 CLASSROOMS X (2 SPACES/CLASSROOM) = 20 SPACES (NURSERY) 18,841 SF x (1 SPACE/200 GROSS SF RECREATIONAL USE) = 94 SPACES (REC FACILITY) TOTAL SPACES REQUIRED = 140 SPACES TOTAL SPACES PROVIDED = 155 SPACES (149 STANDARD & 8 HANDICAP)
FOR PHASE INT PARKING TABULATIONS SEE SHEET C-2.51.01	
TOTAL HANDICAP SPACES:	8 SPACES
VAN ACCESSIBLE HANDICAP SPACES:	2 SPACE
LOADING SPACES:	1041 SF X (1 SPACE/20,000 SF) = 1 SPACE
BICYCLE PARKING SPACES:	652 ELEMENTARY STUDENTS x (1 SPACE/20 ELEMENTARY PRE-K THRU GRADE 5 STUDENTS)=33 SPACES 236 MIDDLE SCHOOL STUDENTS (1 BICYCLE SPACE/15 MIDDLE SCHOOL GRADES 6-8 STUDENTS) = 16 SPACES 155 PARKING SPACES x 0.15 (CLASS 2/3 BICYCLE PARKING SPACES)=24 SPACES 73 BICYCLE SPACES REQUIRED 74 BICYCLE SPACES PROVIDED *PER CITY BICYCLE PARKING STANDARDS, A CLASS 3 "INVERTED U" RACK ACCOMMODATES 2 BICYCLES, THEREFORE, 74 SPACES REQUIRE 37 "INVERTED U" RACKS.*
TRIP GENERATION:	1796 ADT-WEEKDAY (929 SCHOOL & 292 REC FACILITY) *PROVIDED BY WELLS & ASSOCIATES TRAFFIC IMPACT STUDY DATED FEBRUARY 12, 2016
AVERAGE PERIMETER GRADE: AROUND BUILDING	= 5583.02 GRADE ELEVATION / 136 SPOT ELEVATIONS = 41.05 FEET
SETBACK YARDS:	
FRONT	282 FT
WEST SIDE	93.5 FT
EAST SIDE	50 FT
REAR	236 FT
STREET FRONTAGE:	TANNEY AVE - 814 FT N. LATHAM STREET - 560 FT
PROPOSED IMPERVIOUS AREA:	8.22 AC
OPEN SPACE:	381,172 SF (OPEN AND USABLE SPACE IS AREAS OF TREES, SHRUBS, LAWNS, PATHWAYS AND OTHER NATURAL AND MAN-MADE AMENITIES WHICH FUNCTION FOR THE USE AND ENJOYMENT OF RESIDENTS, VISITORS AND OTHER PERSONS)
TREE CANOPY:	601,999 X 0.25 = 150,500 SF REQUIRED 152,405 SF PROVIDED
STREET TREES:	TANNEY AVE - 814 FT X (1 SHADE TREE/30 FT ROW) = 27 REQUIRED, 14 PROVIDED 814 FT X (1 ORNAMENTAL TREE/20 FT ROW) = 41 REQUIRED, 15 PROVIDED N. LATHAM STREET - 560 FT X (1 SHADE TREE/30 FT ROW) = 19 REQUIRED, 7 PROVIDED 560 FT X (1 ORNAMENTAL TREE/20 FT ROW) = 28 REQUIRED, 14 PROVIDED
PARKING LOT LANDSCAPING:	NUMBER OF LANDSCAPE ISLANDS: 35 ; SHADE TREES PROVIDED: 35 TREES

MINOR SITE PLAN AMENDMENT FOR PATRICK HENRY PRE-K - 8 SCHOOL & RECREATIONAL FACILITY APPROVED PLAN DSUP #2016-0009 (11/22/17)

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C-0.00.01 - SITE COVER SHEET	* (PARTIAL RELEASE REVISED 9/9/17)
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C-0.00.04 - GENERAL NOTES - 3	* (PARTIAL RELEASE)
C-0.00.05 - GENERAL NOTES - 4	* (PARTIAL RELEASE)
C-0.00.06 - GENERAL NOTES - 5	* (PARTIAL RELEASE)
C-0.00.07 - GENERAL NOTES - 6	* (PARTIAL RELEASE)
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C-0.00.13 - DSUP CONDITIONS - 5	
C-0.00.14 - DSUP CONDITIONS - 6	
C-0.00.15 - EXISTING CONDITIONS - TREE INVENTORY - 1	* (PARTIAL RELEASE)
C-0.00.16 - EXISTING CONDITIONS - TREE INVENTORY - 2	* (PARTIAL RELEASE)
C-0.00.17 - TREE PROTECTION PLAN - 1	* (PARTIAL RELEASE)
C-0.00.18 - TREE PROTECTION PLAN - 2	* (PARTIAL RELEASE)
C-0.00.19 - TREE PROTECTION PLAN - 3	* (PARTIAL RELEASE)
C-0.00.20 - TREE PROTECTION PLAN - 4	* (PARTIAL RELEASE)
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PHASE 1	
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C-1.02.01 - EXISTING CONDITIONS AND DEMOLITION PLAN-1	* (PARTIAL RELEASE REVISED 9/9/17)
C-1.02.02 - EXISTING CONDITIONS AND DEMOLITION PLAN-2	* (PARTIAL RELEASE REVISED 9/9/17)
C-1.02.03 - EROSION & SEDIMENT CONTROL PLAN PHASE I - 1	* (PARTIAL RELEASE REVISED 9/9/17)
C-1.02.04 - EROSION & SEDIMENT CONTROL PLAN PHASE I - 2	* (PARTIAL RELEASE REVISED 9/9/17)
C-1.02.05 - EROSION & SEDIMENT CONTROL PLAN PHASE I DRAINAGE DIVIDES-1	* (PARTIAL RELEASE REVISED 9/9/17)
C-1.02.06 - EROSION & SEDIMENT CONTROL PLAN PHASE I DRAINAGE DIVIDES-2	* (PARTIAL RELEASE REVISED 9/9/17)
C-1.02.07 - EROSION & SEDIMENT CONTROL PLAN PHASE I DRAINAGE DIVIDES-3	* (PARTIAL RELEASE REVISED 9/9/17)
C-1.03.01 - SITE LAYOUT PLAN	* (PARTIAL RELEASE REVISED 9/9/17)
C-1.03.02 - SITE LAYOUT PLAN	* (PARTIAL RELEASE REVISED 9/9/17)
C-1.04.01 - GRADING PLAN-1	* (PARTIAL RELEASE REVISED 10/20/17)
C-1.04.02 - GRADING PLAN-2	* (PARTIAL RELEASE REVISED 10/20/17)
C-1.05.01 - UTILITY PLAN-1	* (PARTIAL RELEASE REVISED 9/9/17)
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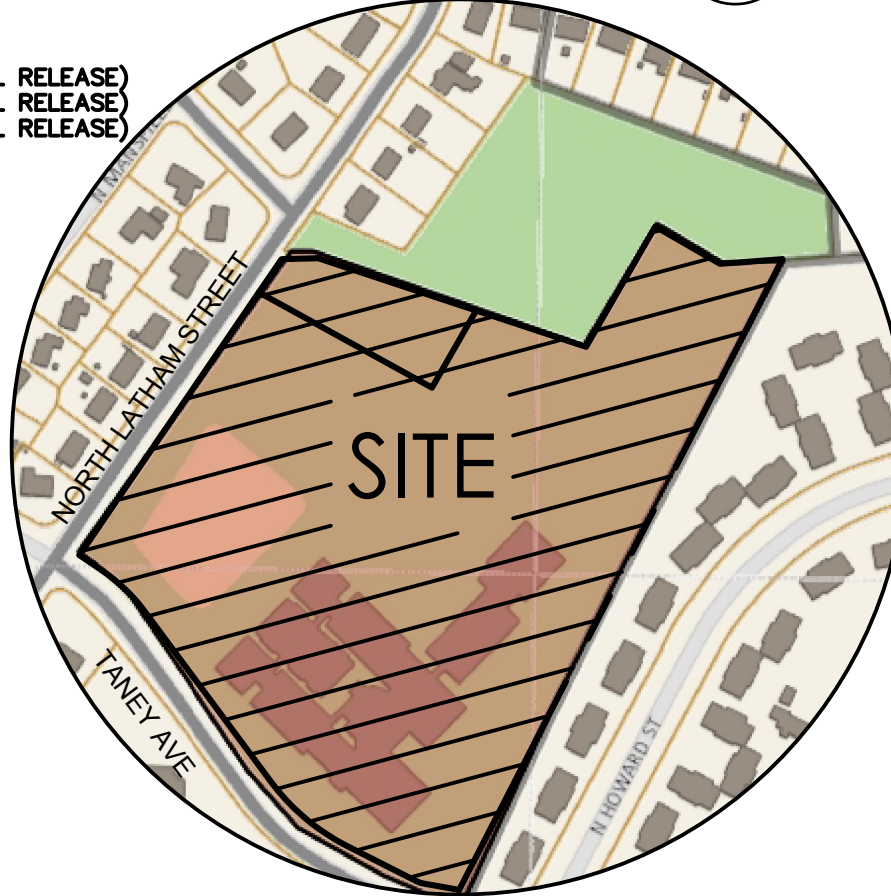
MISCELLANEOUS

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C-4.01.12 - RETAINING WALL #5 PROFILES & DETAIL	
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C-4.04.04 - BEST MANAGEMENT PRACTICES-VRRM SPREADSHEET D.A. & D.A. D TABS	* (PARTIAL RELEASE)
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C-4.04.06 - BMP FACILITY #1-DO SAND FILTER DETAILS	* (PARTIAL RELEASE)
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4653 TANEEY AVENUE
ALEXANDRIA, VA 22304

VICINITY MAP

SCALE: 1" = 300'



TAX PARCEL NUMBER: 039.03-05-14

PROJECT DESCRIPTION NARRATIVE

IN A JOINT PROJECT, THE CITY OF ALEXANDRIA, DEPARTMENT OF RECREATION, PARKS AND CULTURAL ACTIVITIES (RPCA) AND ALEXANDRIA CITY PUBLIC SCHOOLS (ACPS) PLAN TO REPLACE AND EXPAND THE EXISTING ELEMENTARY SCHOOL WITH A CAPACITY OF 870 STUDENTS AND THE 8,779 SQUARE FOOT (S.F.) RECREATION CENTER WITH A NEW ELEMENTARY/MIDDLE SCHOOL WITH A CAPACITY OF 900 STUDENTS AND AN APPROXIMATELY 18,000 S.F. RECREATION CENTER. THIS WILL BE A THREE-PHASED PROJECT PLANNED TO BE COMPLETE BY 2019 AND A BRIEF GENERAL SUMMARY OF THE PHASES ARE LISTED BELOW (SEE SHEETS C-1.01.01, C-2.01.01, C-3.01.01 FOR SEQUENCE OF CONSTRUCTION FOR EACH PHASE).

PHASE I (APRIL - AUGUST 2017)

- CONSTRUCTION ENTRANCE WILL BE OFF TANEEY AVENUE APPROXIMATELY 200-250 FEET AWAY FROM INTERSECTION OF N LATHAM AND TANEEY (NEED A TEMPORARY BUS STOP RELOCATION) AS WELL AS CONTRACTOR LAY DOWN AREA AT THE SOUTHWEST CORNER OF SITE
- PROPOSED PORTIONS OF FINAL SANITARY AND WATER UP THROUGH EXISTING PARKING LOT (MAY HAVE TEMPORARY WATER CONNECTIONS FOR FIRE HYDRANT COVERAGE OF PROPOSED BUILDING)
- CONSTRUCT TEMPORARY BUS LOOP IN FRONT OF SCHOOL
- CONSTRUCT TEMPORARY KISS-N-RIDE LOOP AT HAMMERHEAD PARKING (WHERE WELLNESS VAN CURRENTLY PARKS)
- ROUGH GRADING FOR BUILDING PAD
- CONSTRUCTION NORTHERN AND EASTERN RETAINING WALLS
- PROPOSED FINAL PORTION STORM AND TEMPORARY STORM DIVERSIONS FOR EXISTING STORM AT NORTHERN END OF SITE

PHASE II (AUGUST 2017-AUGUST 2018)

- CONSTRUCT NEW BUILDING FOUNDATIONS AND BUILDING
- INSTALL BUS LOOP AND UTILITIES (INCLUDES SWM #2 FACILITY AT SOUTHWESTERN CORNER OF SITE AS WELL AS SAND FILTER IN BUS LOOP)

PHASE INT (BETWEEN PHASES 2 & 3) (AUGUST 2019 - AUGUST 2022)

- PHASE IN WHICH THE NEWLY CONSTRUCTED PRE-K - 8 SCHOOL AND RECREATIONAL FACILITY IS FULLY OPERATIONAL WHILE THE EXISTING SCHOOL WILL REMAIN TO BE FULLY OPERATIONAL FOR SWING SPACE FOR THE DOUGLAS MACARTHUR SCHOOL WHILE IT UNDERGOES RENOVATION THAT IS A TEMPORARY ESTIMATED 3-YEAR CONSTRUCTION SCHEDULE
- SITE IMPROVEMENTS INCLUDE CONSTRUCTION OF A NORTHERN TWO-WAY DRIVE AISLE LOOP AND WESTERN PARKING LOT WITH PEDESTRIAN WALKWAYS AND ASSOCIATED UTILITIES INCLUDING STORM DRAIN SYSTEM

PHASE III (TBD)

- DEMOLISH EXISTING BUILDING AND PARKING LOT
- INSTALL SYNTHETIC TURF FIELD AND OTHER RECREATIONAL FACILITIES
- CONSTRUCT PARKING LOT AND INSTALL ASSOCIATED UTILITIES (INCLUDES SWM #1 FACILITY IN PARKING LOT) AND OTHER SURFACE BMP'S

PROPOSED PRE-K - 8 SCHOOL & RECREATION FACILITY

MASSING OF BUILDING IS SITED TOWARD THE EXISTING HILL AT REAR OF SITE, AFFORDING MAXIMUM OPEN SPACE TOWARD THE TANEEY AVENUE SIDE. THE RECREATIONAL FACILITY IS LOCATED ON THE WESTERN SIDE OF THE BUILDING WITH A THREE STORY ACADEMIC WING TO THE EASTERN SIDE OF THE BUILDING. THE NEW FACILITY WILL BE CONSTRUCTED WHILE THE EXISTING FACILITY REMAINS OPERATIONAL. THIS PHASED APPROACH WOULD CONCLUDE WITH THE DEMOLITION OF THE EXISTING SCHOOL BUILDING AND CONSTRUCTION OF THE PARKING AREAS AND SITE AMENITIES INCLUDING THE NEW FIELD.

THIS OPTION PROVIDES GOOD SEPARATION OF BUS LOOP, PARENT DROP-OFF AND PARKING. VEHICULAR ACCESS AND STUDENT DROP-OFF/PICK-UP ACTIVITY WOULD OCCUR AT THE PROVIDED ACCESS OFF TANEEY AVENUE. A BUS DROP-OFF/PICK-UP AND ACCESS DRIVEWAY IS PROVIDED OFF N. LATHAM AVENUE. THE EXISTING ACCESSES OFF TANEEY AVENUE WOULD BE ELIMINATED. AN EMERGENCY VEHICLE EASEMENT (EVE) IS PROVIDED AT THE BUS LOOP OFF OF N. LATHAM AS WELL AS THE STUDEN DROP-OFF/PICK-UP DRIVE AISLE IN ORDER FOR FIRE TRUCKS TO ACCESS ALL SIDES OF THE BUILDING IN THE EVENT OF AN EMERGENCY. ALL PARKING IS GROUPED IN A SINGLE AREA AWAY FROM THE SINGLE FAMILY HOMES IN FRONT OF THE SCHOOL ADJACENT TO TANEEY AVENUE.

STORMWATER RUNOFF MITIGATION AND STORMWATER QUALITY REQUIREMENTS OF ARTICLE XIII OF ZONING ORDINANCE NARRATIVE

NEW UNDERGROUND DETENTION STORMWATER MANAGEMENT FACILITIES CONSISTING OF HIGH DENSITY POLYETHYLENE ARCH PIPE CHAMBERS WILL PROVIDE FOR QUANTITY CONTROL ON-SITE IN ACCORDANCE WITH THE MOST CURRENT STATE AND ALEXANDRIA CITY STORMWATER MANAGEMENT REGULATIONS. THE PROPOSED STORMWATER MANAGEMENT FACILITIES MAY INCLUDE UNDERGROUND TREATMENT CONSISTING OF PROPRIETARY MANUFACTURED BEST MANAGEMENT PRACTICE (BMP) FACILITIES CONSISTING OF FILTERING DEVICES BEFORE RUNOFF ENTERS THESE UNDERGROUND FACILITIES AS WELL AS LOW IMPACT DEVELOPMENT (LID) MEASURES SUCH AS DRY SWALES AND BIORETENTION FILTER.

APPLICATIONS:

1. DEVELOPMENT SITE PLAN, WITH MODIFICATIONS, FOR A NEW SCHOOL
2. SPECIAL USE PERMIT FOR ADDITIONAL HEIGHT FOR A SCHOOL BUILDING PER SECTION 7-2100 OF THE ZONING ORDINANCE
3. SPECIAL USE PERMIT FOR INDOOR AND OUTDOOR RECREATIONAL FACILITY AND A COMMUNITY CENTER IN THE R-12 ZONE, PER SECTION 3-203(C) OF THE ZONING ORDINANCE
4. SPECIAL USE PERMIT TO EXCEED THE NUMBER OF REQUIRED PARKING SPACES IN R-12 ZONE, PER SECTION 3-203(E)
5. SPECIAL USE PERMIT FOR MORE THAN ONE MECHANICAL PENTHOUSE PER SECTION 6-403(B)(2)(A)
6. SPECIAL USE PERMIT FOR A MECHANICAL PENTHOUSE EXCEEDING 15 FEET IN HEIGHT PER SECTION 6-403(B)(2)(B)
7. FOR PHASE INT ADDITIONAL SPECIAL USE PERMIT APPLICATIONS SEE SHEET C-2.51.01

NOTES

1. SOILS ON SITE:
 - 47B GRIST MILL-WOODSTOWN COMPLEX 2-7% SLOPES
 - 66 KINGSTOWN SANDY CLAY LOAM 0-45% SLOPES
 - 95 URBAN LAND
 - 109B WOODSTOWN COMPLEX 2-7% SLOPES
2. PUBLIC UTILITIES:
 - THE SITE IS SERVED BY PUBLIC WATER AND SANITARY SEWER. WASHINGTON GAS PROVIDES GAS SERVICE TO THE AREA OF SITE
3. COMBINED SEWER AREA:
 - THE SITE NOT LOCATED IN THE COMBINED SEWER AREA

ZONING REQUIREMENTS

TAX MAP	039.03-05-14
ZONING	R-12
EXISTING USE	ELEMENTARY SCHOOL & RECREATIONAL FACILITY
TOTAL LOT AREA	13.82 AC
EXISTING BUILDING GROSS AREA	86,046 SF
FLOOR AREA RATIO	0.30 MAX
TREE CANOPY	25% TREE CANOPY
STREET TREES	FOR SHADE TREES, ONE TREE IS REQUIRED PER EVERY OF R.O.W. FRONTAGE, SPACED AT 30 FEET ON CENTER
	FOR ORNAMENTAL TREES, ONE TREE IS REQUIRED PER EVERY 20 FEET OF R.O.W. FRONTAGE, SPACED AT 20 FEET OF CENTERS
PARKING LOT LANDSCAPING	LANDSCAPE ISLAND ARE REQUIRED AT A RATE OF ONE PER EVERY 10 PARKING SPACES, AND EVERY 100 FEET OF PARKING R.O.W. ISLANDS SHALL BE AT A MINIMUM OF ONE AT THE END OF EVERY R.O.W. OF PARKING. LANDSCAPE ISLANDS MUST BE THE SAME SIZE AS THE ADJACENT PARKING SPACES. LARGE AND MEDIUM SHADE TREES RECOMMENDED.
HEIGHT	40 FT MAX (60 FT MAX WITH SUP)
SETBACK YARDS:	
FRONT	35 FT
SIDE	1:1, 25 FT MIN
REAR	1:1, 25 FT MIN
LOT WIDTH	A MINIMUM OF 95 FEET IS REQUIRED FOR A CORNER LOT
LOT FRONTAGE	A MINIMUM OF 60 FEET FROM THE FRONT LOT LINE
PARKING SCREENING	PARKING LOTS ADJACENT TO OR VISIBLE FROM THE PUBLIC R.O.W. MUST BE SCREENED BY A CONTINUOUS, UNINTERRUPTED SHRUBBERY SCRE WITH MAINTAINED HEIGHTS BETWEEN 2.5 AND 3.3 SCREEN SHALL BE SET BACK A MINIMUM DISTANCE OF 2.5 FEET FROM THE BACK OF CURB OF THE PARKING LOT TO PREVENT DAMAGE FROM PARKED VEHICLES
PARKING SPACES	1 / 25 CLASSROOM SEATS, ELEMENTARY 2 PER CLASSROOM, NURSERY 1 / 200 SF RECREATION USE (GROSS FLOOR AREA)
HANDICAP (HC) SPACES:	6 HC SPACES FOR 151-200 PARKING SPACES
VAN ACCESSIBLE HANDICAP SPACES:	1 VAN HC SPACE PER 6 HC SPACES
LOADING SPACES	1/20,000 SF FLOOR AREA OF OTHER USES SIMILARLY INVOLVING RECEIPT OF DISTRIBUTION BY VEHICLE OF MATERIAL OR MERCHANDISE
OPEN SPACE	NO REQUIREMENTS FOR NON-RESIDENTIAL USE

Patrick Henry Pre-K - 8 School & Recreational Facility

Phase INT Sequence of Construction (August 2019- August 2020)

Phase INT Limits of Disturbance: 2.48 acres

The Department of Transportation and Environmental Services (T&ES), Construction and Inspection (C&I) Division must be notified one week prior to the pre-construction conference, one week prior to the commencements of land disturbing activity (FOR EACH PHASE), and one week prior to the final inspection and can be reached at Room 4130 in City Hall or at 703-746-4035. The responsible land disturber (LCD) shall attend the pre-construction meeting. An inspection by the City of Alexandria is required after initial installation of Erosion and Sediment Controls (FOR EACH PHASE) and before any clearing or grading can begin.

All construction activities must comply with the Alexandria Noise Control Code Title 11, Chapter 5, Section 11-5-4(b)(15), which permits construction activities to occur between the following hours:

- a. Monday Through Friday from 7 AM To 6 PM and
- b. Saturdays from 9 AM to 6 PM.
- c. No construction activities are permitted on Sundays and holidays.
- d. Monday Through Friday from 9 AM To 6 PM and
- e. Saturdays from 10 AM To 4 PM
- f. No pile driving is permitted on Sundays and holidays.
- g. Monday through Saturday 7 AM to 5 pm
- h. No excavation in the right of way is permitted on Sundays. (T&ES)

Phase INT Construction

1. Phase INT construction is located on the north and west of the existing school and recreational center. Phase INT is an intermediate Phase between Phase 2 and Phase 3 in which the proposed school and recreational facility will be fully operational while the existing school will also be fully operational that will act as swing-space for the Douglas MacArthur school while it undergoes renovation. Proposed site improvements include construction northern two-way drive aisle loop and western parking lot with pedestrian walkways and associated utilities including storm drain system.

In preparation for this intermediate Phase, there were some additional items already demolished and constructed as part of Phase 2. This included demolition of the double construction entrance/concrete washout structure/portable sediment tank/sump pit with contractor staging area, existing recreational facility gym with associated utilities, walkways, trees, removal of storm drain system from T101 to T100, Ex 28 to T105, temporary asphalt ditch, removal of temporary sanitary sewer system/lift station from Sanitary MH 88B to Sanitary CO QQ and the construction of temporary construction entrance with associated structures in emergency vehicle accessway, the intermediate playground, fitness area with associated walkway loop/landscaping, exterior 1.5' domestic waterline, bus stop with portion of underground traffic conduit/sidewalk along Taney Avenue, temporary storm drain system from T101 to T98, permanent sanitary from Sanitary CO TT to Sanitary CO NN.

- 2. The limits of disturbance must be field marked prior to clearing of trees, installation of sediment control measures, construction, or other land disturbing activities.
- 3. Clear and grade for installation of sediment control devices. Temporary construction entrance with associated structures, temporary construction fencing and safety barrier, super silt fence, tree protection, diversion dikes #1 and #5 and temporary storm drain pipe and structures T105 to T98, temporary waterline (to the west of the existing school) with temporary locations of Fire Hydrants #3-4 already installed in Phase 1 and Phase 2 will remain in place throughout Phase 2 construction.
- 4. After installation of devices referenced in number 4 above, install remaining sediment control devices including inlet protection, tree protection and super silt fence.
- 5. Once the sediment control devices are installed and stabilized, the permittee must obtain written approval from the Department of Transportation and Environmental Services, Construction and Inspection (C&I) Division inspector before proceeding with any additional clearing, grubbing, demolition, or grading.
- 6. After approval is acquired, demolish items as indicated on the demolition plan. The sidewalk, bike lane and on-street parking along Taney Avenue will remain open and the contractor will have qualified personnel on-site near the western existing school entrance during regular construction hours to direct pedestrians and vehicles at this location. Closures and detours for sidewalk, bike lane and right of way improvements are part of a separate document called the Construction Management Plan that is approved by T&ES at the time of permit application and includes the Maintenance of Traffic (MOT) plans. Sidewalk closures are subject to separate approval from transportation and environmental services (T&ES) at the time of permit application. Sidewalk closures will not be permitted for the duration of the project. Any work in the public right of way shall require a separate permit from the director, transportation and environmental services. The contractor can contact the department of transportation and environmental services at (703) 746-4035 for any questions or additional information. Contractor shall apply for all necessary permits during construction and shall submit mot plans for approval at that time.
- 7. Once the existing site features have been removed, the contractor shall commence construction of the two-way drive aisle with associated switchback ramp/stairs, parking lot and emergency vehicle accessway widening and simultaneously install temporary riprap channel, storm drain pipes and structures from Temporary Structure #97 to SWM #1 facility. Contractor shall provide inlet protection as necessary for storm drain inlet structures.
- 8. After all areas, have been brought up to subgrade, the contractor may commence the installation of two-way drive aisle/parking lot curb and gutter, site sidewalks and stairs, and ADA ramps to the north and west of the existing building with the removal of Diversion Dike #1 and #5 only. The contractor shall continue to fine grade the area between the two schools and adjacent to the pavement areas.
- 9. When subgrade is brought up to final grade, the contractor may begin the installation two-way drive aisle and parking lot subbase materials and the first course of asphalt as necessary.
- 10. After completion of all Phase INT improvements the final top course of pavement may commence within the two-way drive aisle and parking lot.
- 11. After all denuded areas are stabilized, the contractor shall obtain written approval from the Department of Transportation and Environmental Services, Construction and Inspection (C&I) Division, prior to removal of any sediment control devices. At this time the contractor shall flush and clean (haul off material to approved landfill) the permanent storm drain system leading to SWM #1 including this facility.
- 12. Phase INT final inspection requires written approval from the Department of Transportation and Environmental Services, Construction and Inspection (C&I) Division inspector prior to occupancy permit issuance.

PHASE INT SHEET INDEX

- C-2.50.01 - SITE COVER SHEET
- C-2.51.01 - COMPLETE OVERALL PLAN
- C-2.52.01 - EXISTING CONDITIONS AND DEMOLITION-1
- C-2.52.02 - EXISTING CONDITIONS AND DEMOLITION-2
- C-2.52.03 - EROSION & SEDIMENT CONTROL PLAN PHASE I-1
- C-2.52.04 - EROSION & SEDIMENT CONTROL PLAN PHASE I-2
- C-2.53.01 - SITE PLAN - 1
- C-2.53.02 - SITE PLAN - 2
- C-2.54.01 - GRADING PLAN - 1
- C-2.54.02 - GRADING PLAN - 2
- C-2.55.01 - UTILITY PLAN - 1
- C-2.55.02 - UTILITY PLAN - 2
- C-2.56.01 - EROSION & SEDIMENT CONTROL PLAN PHASE II-1
- C-2.56.02 - EROSION & SEDIMENT CONTROL PLAN PHASE II-2
- C-2.57.01 - FIRE LANE PLAN - 1
- C-2.57.02 - FIRE LANE PLAN - 2
- C-2.58.01 - SIGNING & MARKING PLAN - 1
- C-2.58.02 - SIGNING & MARKING PLAN - 2
- C-2.58.03 - SCHOOL BUS AND PARENT DROP OFF MAP & DETAILS
- C-2.59.01 - DETAILS - 1
- C-2.59.02 - DETAILS - 2
- C-2.60.01 - STORM COMPUTATIONS
- C-2.60.02 - STORMWATER MANAGEMENT AND ADEQUATE OUTFALL ANALYSIS - 1
- C-2.61.01 - RETAINING WALL #10 DETAILS
- C-2.61.02 - RETAINING WALL #10 PROFILE
- C-2.62.01 - FIRE TRUCK TURNAROUND TURNING TEMPLATE
- C-2.62.02 - FIRE TRUCK LOOP & BUS TEMPORARY LOOP TURNING TEMPLATE
- C-2.63.01 - PHASE INT-ELECTRICAL SITE PLAN-FOR INFO ONLY!
- C-2.63.02 - PHASE INT-PHOTOMETRIC PLAN-FOR INFO ONLY!
- C-2.63.03 - PHASE INT-ELECTRICAL LIGHTING CUT SHEET-FOR INFO ONLY!
- C-2.64.01 - PHASE INT REMOVAL & RESTORATION PLAN

SPECIAL PERMIT APPLICATIONS:

- 1. SPECIAL USE PERMIT TO EXCEED FLOOR-AREA-RATIO (FAR) IN R-12 ZONE, PER SECTION 3-206. (B)
- 2. SPECIAL USE PERMIT TO EXCEED THE NUMBER OF REQUIRED PARKING SPACES IN R-12 ZONE, PER SECTION 3-203(E)

PHASE INT FLOOR-AREA-RATIO (FAR) TABULATIONS:

PRE-K - 8 SCHOOL GROSS FLOOR AREA: 136,717 SF
RECREATIONAL CENTER GROSS FLOOR AREA: 18,841 SF
EXISTING SCHOOL GROSS AREA: 77,037 SF
TOTAL GROSS FLOOR AREA: 136,717 + 18,841 SF + 77,037 SF = 232,595 SF
SITE AREA: 602,150 SF
FLOOR-AREA-RATIO (FAR): 232,595 SF/ 602,150 SF = 0.39
MAXIMUM FLOOR-AREA-RATIO IN R-12 ZONE: 0.30

PHASE INT PARKING TABULATIONS

PATRICK HENRY PRE-K - 8 SCHOOL & RECREATION FACILITY AND DOUGLAS MACARTHUR SWING SPACE PARKING TABULATIONS:

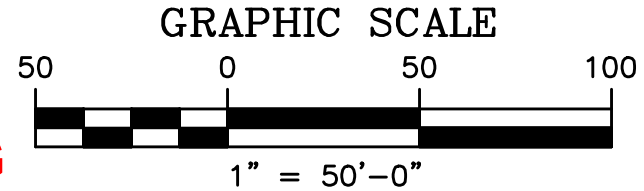
PARKING DISTRICT ZONE 12:

PATRICK HENRY REQUIRED SCHOOL PARKING: 900 CLASSROOM SEATS x (1 SPACE/25 CLASSROOM SEATS) = 36 SPACES (SCHOOL)
18,841 SF x (1 SPACE/200 GROSS SF RECREATIONAL USE) = 94 SPACES (REC FACILITY)
DOUGLAS MACARTHUR SWING SPACE REQUIRED SCHOOL PARKING: 700 CLASSROOM SEATS x (1 SPACE/25 CLASSROOM SEATS) = 28 SPACES (SCHOOL)
TOTAL SPACES REQUIRED: 36 SPACES + 94 SPACES + 28 SPACES = 158 SPACES
TOTAL HANDICAP SPACES REQUIRED: 4 SPACES + 4 SPACES = 8 SPACES
TOTAL SPACES PROVIDED: 196 SPACES (INCLUDING HANDICAP SPACES)
TOTAL HANDICAP SPACES PROVIDED: 4 SPACES + 4 SPACES = 8 SPACES



LEGEND

- GRASS / OPEN SPACE
- ASPHALT PAVEMENT / PARKING / DRIVES
- EXISTING & PERMANENT PATRICK HENRY IMPROVEMENTS
- CONCRETE PAVEMENT / SIDEWALKS / EXISTING BUILDING



APPROVED

Development Special Use Permit/Site Plan # 2016-0009

DEPARTMENT OF PLANNING & ZONING

DIRECTOR DATE
DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES

DIRECTOR DATE

CHAIRMAN, PLANNING COMMISSION DATE

DATE RECORDED

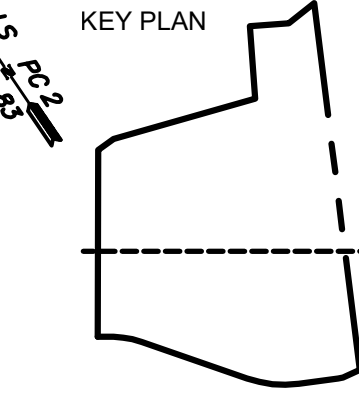
ADTEK
CIVIL STRUCTURAL SPECIALTY ENGINEERING & LANDSCAPE ARCHITECTURE
9990 Fairfax Boulevard, Suite 300
Fairfax, Virginia 22230
Phone: 703-691-4040 Fax: 703-691-4056
www.adtekengineers.com

OWNER/DEVELOPER:
CITY OF ALEXANDRIA

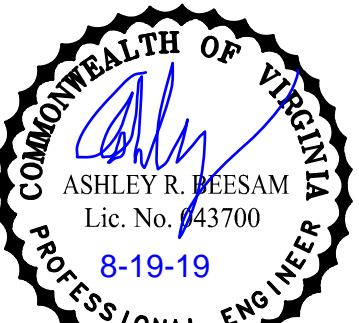
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MOSLEY ARCHITECTS
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SPRINGFIELD, VA 22151
(703) 426-9057
CONTACT: BILL BROWN

CIVIL ENGINEER
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CONTACT: ASHLEY BEESAM

TRAFFIC ENGINEER
WELLS & ASSOCIATES
1420 SPRING HILL ROAD, SUITE 510
TYSONS, VA 22102
(703) 917-6620
CONTACT: MIKE WORKOSKY,
PTP, TSOS, TOPS

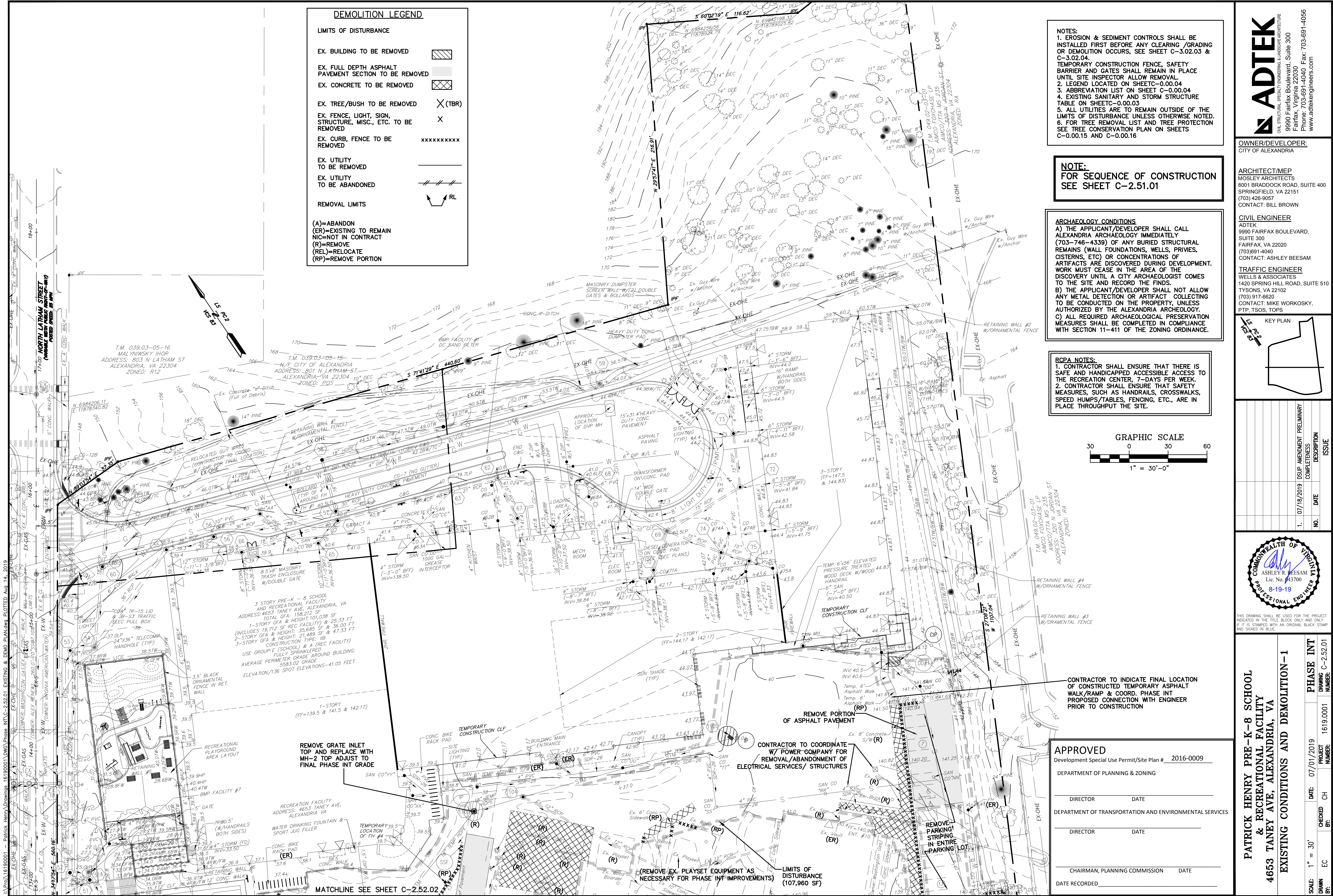


NO.	DATE	DESCRIPTION	ISSUE
1.	07/18/2019	DISP. AMENDMENT PRELIMINARY	COMPLETION



THIS DRAWING SHALL BE USED FOR THE PROJECT INDICATED IN THE TITLE BLOCK ONLY AND ONLY IF IT IS STAMPED WITH AN ORIGINAL BLACK STAMP AND SIGNED IN BLUE.

PATRICK HENRY PRE-K-8 SCHOOL & RECREATIONAL FACILITY
4653 TANNEY AVE, ALEXANDRIA, VA
COMPLETE OVERALL PLAN
PHASE INT
DRAWING NUMBER: C-2.51.01
SCALE: 1" = 50'
DATE: 07/01/2019
PROJECT NUMBER: 1619.0001
CHECKED BY: EC
DATE RECORDED: 1619.0001



DEMOLITION LEGEND

LIMITS OF DISTURBANCE

EX. BUILDING TO BE REMOVED [Hatched Box]

EX. FULL DEPTH ASPHALT PAVEMENT SECTION TO BE REMOVED [Diagonal Lines]

EX. CONCRETE TO BE REMOVED [Cross-hatched Box]

EX. TREE/BUSH TO BE REMOVED (X) (TBR)

EX. FENCE, LIGHT, SIGN, STRUCTURE, MISC., ETC. TO BE REMOVED (X)

EX. CURB, FENCE TO BE REMOVED (XXXXXX)

EX. UTILITY TO BE REMOVED [Line with X]

EX. UTILITY TO BE ABANDONED [Line with //]

REMOVAL LIMITS

(A)=ABANDON
(ER)=EXISTING TO REMAIN
(NIC)=NOT IN CONTRACT
(R)=REMOVE
(REL)=RELOCATE
(RP)=REMOVE PORTION

NOTES:

1. EROSION & SEDIMENT CONTROLS SHALL BE INSTALLED FIRST BEFORE ANY CLEARING /GRADING OR DEMOLITION OCCURS, SEE SHEET C-3.02.03 & C-3.02.04.

2. TEMPORARY CONSTRUCTION FENCE, SAFETY BARRIER AND GATES SHALL REMAIN IN PLACE UNTIL SITE INSPECTOR ALLOW REMOVAL.

3. LEGEND LOCATED ON SHEET C-0.00.04.

4. ABBREVIATION LIST ON SHEET C-0.00.04.

5. EXISTING SANITARY AND STORM STRUCTURE TABLE ON SHEET C-0.00.03.

6. ALL UTILITIES ARE TO REMAIN OUTSIDE OF THE LIMITS OF DISTURBANCE UNLESS OTHERWISE NOTED.

7. FOR TREE REMOVAL LIST AND TREE PROTECTION SEE TREE CONSERVATION PLAN ON SHEETS C-0.00.15 AND C-0.00.16.

NOTE:

FOR SEQUENCE OF CONSTRUCTION

SEE SHEET C-2.51.01

ARCHAEOLOGY CONDITIONS

A) THE APPLICANT/DEVELOPER SHALL CALL ALEXANDRIA ARCHAEOLOGY IMMEDIATELY (703-746-4339) OF ANY BURIED STRUCTURAL REMAINS (WALL FOUNDATIONS, WELLS, PRIVES, 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 RECORD THE FINDS.

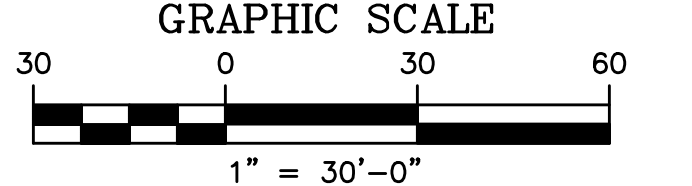
B) THE APPLICANT/DEVELOPER SHALL NOT ALLOW ANY METAL DETECTION OR ARTIFACT COLLECTING TO BE CONDUCTED ON THE PROPERTY, UNLESS AUTHORIZED BY THE ALEXANDRIA ARCHAEOLOGY.

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

RCPA NOTES:

1. CONTRACTOR SHALL ENSURE THAT THERE IS SAFE AND HANDICAPPED ACCESSIBLE ACCESS TO THE RECREATION CENTER, 7-DAYS PER WEEK.

2. CONTRACTOR SHALL ENSURE THAT SAFETY MEASURES, SUCH AS HANDRAILS, CROSSWALKS, SPEED HUMPS/TABLES, FENCING, ETC., ARE IN PLACE THROUGHOUT THE SITE.



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OWNER/DEVELOPER:

CITY OF ALEXANDRIA

ARCHITECT/MEP:

MOSLEY ARCHITECTS

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CONTACT: BILL BROWN

TRAFFIC ENGINEER:

WELLS & ASSOCIATES

1420 SPRING HILL ROAD, SUITE 510

TYSONS, VA 22102

(703) 917-6620

CONTACT: MIKE WORKOSKY,

PTP, TSOS, TOPS

KEY PLAN

NO.	DATE	DESCRIPTION	ISSUE
1.	07/18/2019	ISSUE PRELIMINARY	COMPLETION

COMMONWEALTH OF VIRGINIA

ASHLEY R. BEESAM

Lic. No. 443700

8-19-19

PROFESSIONAL ENGINEER

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PATRICK HENRY PRE-K-8 SCHOOL & RECREATIONAL FACILITY

4653 TANEY AVE, ALEXANDRIA, VA

EXISTING CONDITIONS AND DEMOLITION-1

APPROVED

Development Special Use Permit/Site Plan # 2016-0009

DEPARTMENT OF PLANNING & ZONING

DIRECTOR DATE

DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES

DIRECTOR DATE

CHAIRMAN, PLANNING COMMISSION DATE

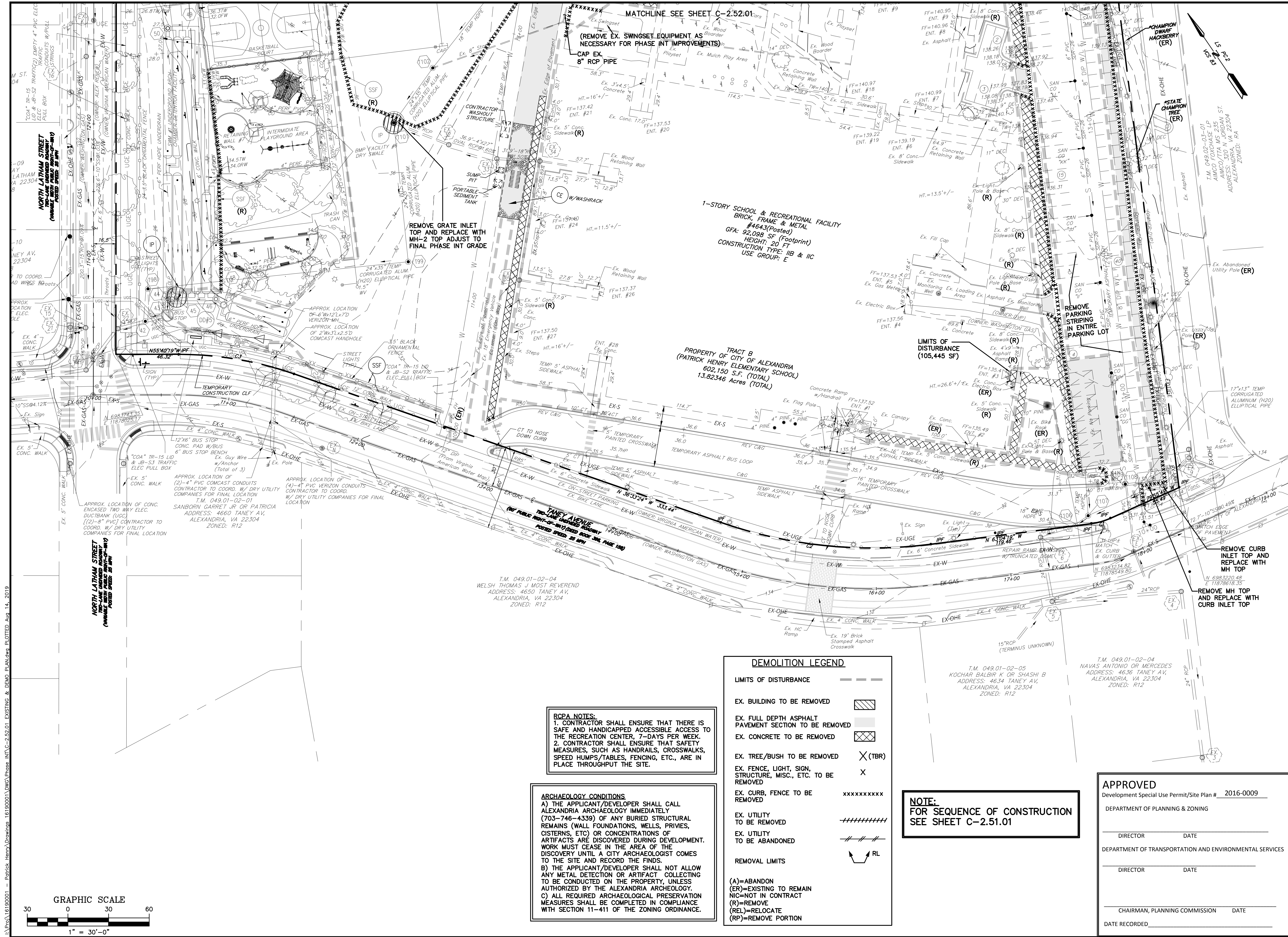
DATE RECORDED

SCALE: 1" = 30'

DATE: 07/01/2019

PROJECT NUMBER: 1619.0001

PHASE INT: DRAWING C-2.52.01



ROPA NOTES:
1. CONTRACTOR SHALL ENSURE THAT THERE IS SAFE AND HANDICAPPED ACCESSIBLE ACCESS TO THE RECREATION CENTER, 7-DAYS PER WEEK.
2. CONTRACTOR SHALL ENSURE THAT SAFETY MEASURES, SUCH AS HANDRAILS, CROSSWALKS, SPEED HUMPS/TABLES, FENCING, ETC., ARE IN PLACE THROUGHOUT THE SITE.

ARCHAEOLOGY CONDITIONS
A) THE APPLICANT/DEVELOPER SHALL CALL ALEXANDRIA ARCHAEOLOGY IMMEDIATELY (703-746-4339) OF ANY BURIED STRUCTURAL REMAINS (WALL FOUNDATIONS, WELLS, 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 RECORD THE FINDS.
B) THE APPLICANT/DEVELOPER SHALL NOT ALLOW ANY METAL DETECTION OR ARTIFACT COLLECTING TO BE CONDUCTED ON THE PROPERTY, UNLESS AUTHORIZED BY THE ALEXANDRIA ARCHAEOLOGY.
C) ALL REQUIRED ARCHAEOLOGICAL PRESERVATION MEASURES SHALL BE COMPLETED IN COMPLIANCE WITH SECTION 11-411 OF THE ZONING ORDINANCE.

DEMOLITION LEGEND	
LIMITS OF DISTURBANCE	
EX. BUILDING TO BE REMOVED	
EX. FULL DEPTH ASPHALT PAVEMENT SECTION TO BE REMOVED	
EX. CONCRETE TO BE REMOVED	
EX. TREE/BUSH TO BE REMOVED	
EX. FENCE, LIGHT, SIGN, STRUCTURE, MISC., ETC. TO BE REMOVED	
EX. CURB, FENCE TO BE REMOVED	
EX. UTILITY TO BE REMOVED	
EX. UTILITY TO BE ABANDONED	
REMOVAL LIMITS	
(A)=ABANDON	
(ER)=EXISTING TO REMAIN	
NIC=NOT IN CONTRACT	
(R)=REMOVE	
(REL)=RELOCATE	
(RP)=REMOVE PORTION	

NOTE:
FOR SEQUENCE OF CONSTRUCTION SEE SHEET C-2.51.01

APPROVED
Development Special Use Permit/Site Plan # 2016-0009
DEPARTMENT OF PLANNING & ZONING

DIRECTOR DATE
DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES

DIRECTOR DATE
CHAIRMAN, PLANNING COMMISSION DATE
DATE RECORDED

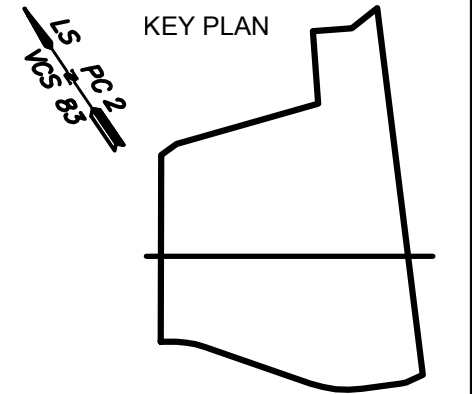
**PATRICK HENRY PRE-K-8 SCHOOL & RECREATIONAL FACILITY
4653 TANEY AVE, ALEXANDRIA, VA
EXISTING CONDITIONS AND DEMOLITION-2**

SCALE:	DRAWN BY:	DATE:	CHECKED BY:	PROJECT NUMBER:	PHASE INT	DRAWING NUMBER:
1"=30'	EC	07/01/2019	CH	1619.0001	PHASE INT	C-252.02

NO.	DATE	DESCRIPTION	ISSUE
1.	07/18/2019	ISSUE PRELIMINARY	

COMMONWEALTH OF VIRGINIA
ASHLEY R. BEESAM
Lic. No. 443700
8-19-19
PROFESSIONAL ENGINEER

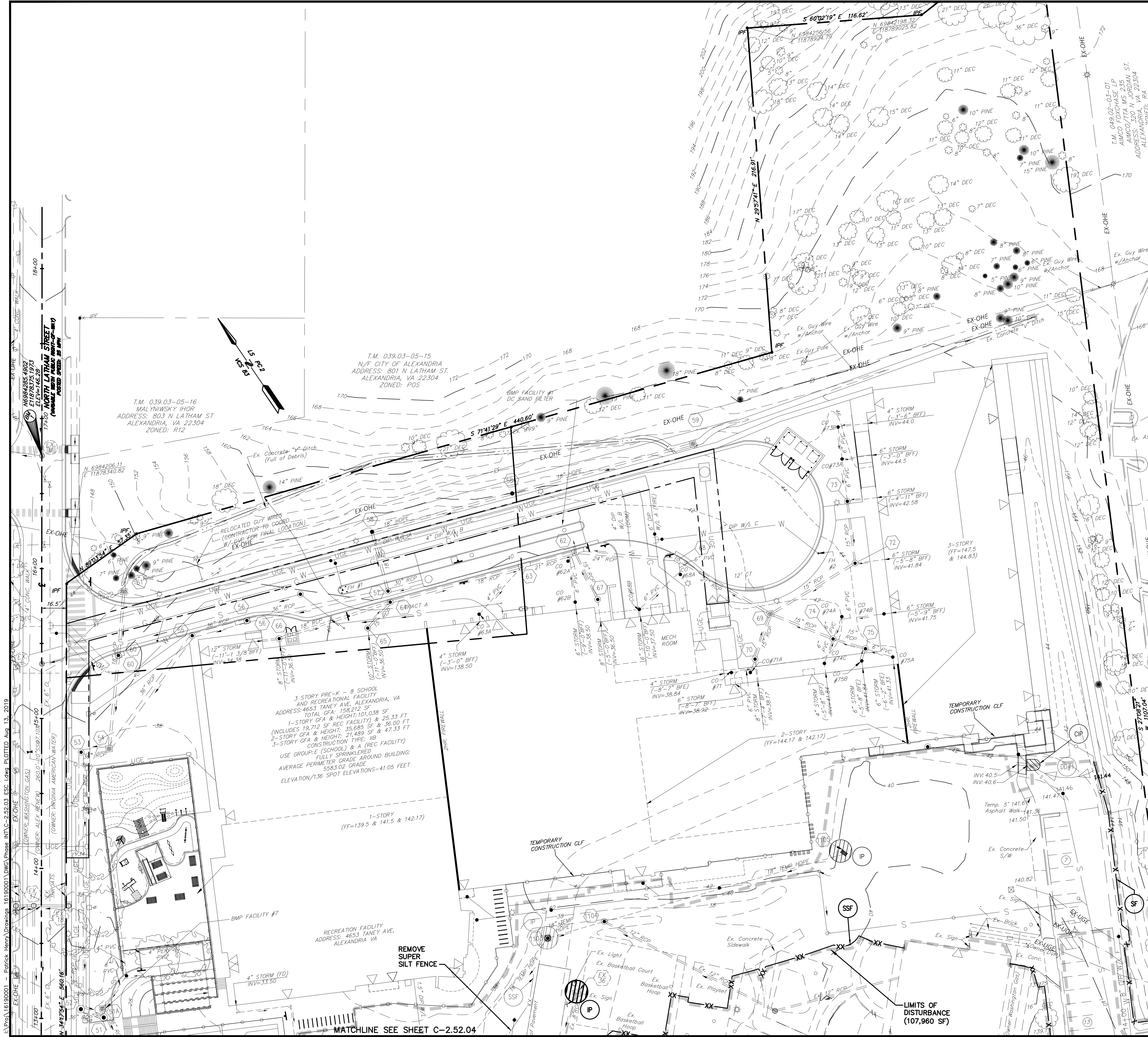
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CONTACT: ASHLEY BEESAM
TRAFFIC ENGINEER
WELLS & ASSOCIATES
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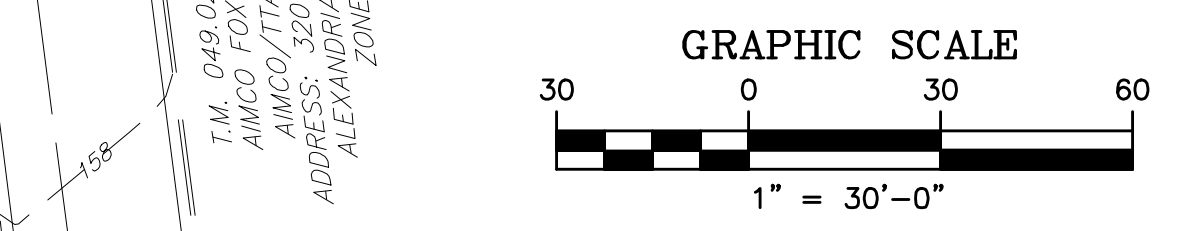
EROSION & SEDIMENT CONTROL LEGEND:		
"VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK"		
SEE SHEET C-1.02.07 FOR DETAILS		
KEY	TITLE	
IP	STORM DRAIN INLET PROTECTION	
SF	SILT FENCE	
SSF	SUPER SILT FENCE	
DD	TEMPORARY DIVERSION DIKE	
	TEMPORARY CONSTRUCTION FENCING	
	TEMPORARY DIVERSION DIKE	

ADDITIONAL EROSION & SEDIMENT CONTROLS SHALL BE PROVIDED, IF DIRECTED BY THE T&ES INSPECTOR

ALL PHASE 2 EROSION & SEDIMENT CONTROLS SHALL REMAIN IN PLACE UNLESS OTHERWISE NOTED ON THIS EROSION & SEDIMENT CONTROL PLAN

NOTE:
FOR SEQUENCE OF CONSTRUCTION
SEE SHEET C-2.51.01

RESPONSIBLE LAND DISTURBER NOTE:
IN COMPLIANCE WITH CONDITION #63 OF THE DSUP APPROVAL, A "CERTIFIED LAND DISTURBER" (CLD) SHALL BE NAMED IN A LETTER TO THE DIVISION CHIEF OF INFRASTRUCTURE RIGHT OF WAY PRIOR TO ANY LAND DISTURBING ACTIVITIES. IF THE CLD CHANGES DURING THE PROJECT, THAT CHANGE MUST BE NOTED IN A LETTER TO THE DIVISION CHIEF.



ARCHAEOLOGY CONDITIONS
A) THE APPLICANT/DEVELOPER SHALL CALL ALEXANDRIA ARCHAEOLOGY IMMEDIATELY (703-746-4339) OF ANY BURIED STRUCTURAL REMAINS (WALL FOUNDATIONS, WELLS, 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 RECORD THE FINDS.
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C) ALL REQUIRED ARCHAEOLOGICAL PRESERVATION MEASURES SHALL BE COMPLETED IN COMPLIANCE WITH SECTION 11-411 OF THE ZONING ORDINANCE.

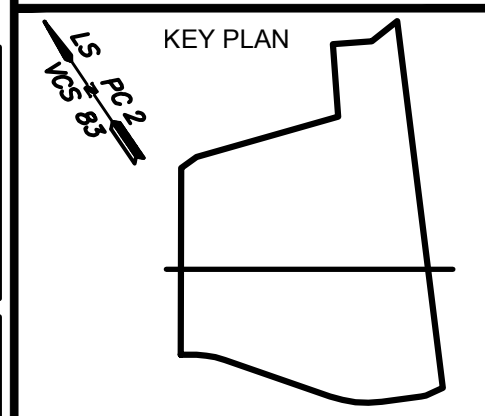
APPROVED
Development Special Use Permit/Site Plan # 2016-0009
DEPARTMENT OF PLANNING & ZONING
DIRECTOR _____ DATE _____
DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES
DIRECTOR _____ DATE _____
CHAIRMAN, PLANNING COMMISSION _____ DATE _____
DATE RECORDED _____

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www.adtekengineers.com

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CITY OF ALEXANDRIA
ARCHITECT/MEP:
MOSLEY ARCHITECTS
8001 BRADDOCK ROAD, SUITE 400
SPRINGFIELD, VA 22151
(703) 426-9057
CONTACT: BILL BROWN

CIVIL ENGINEER:
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SUITE 300
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1420 SPRING HILL ROAD, SUITE 510
TYSONS, VA 22102
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CONTACT: MIKE WORKOSKY,
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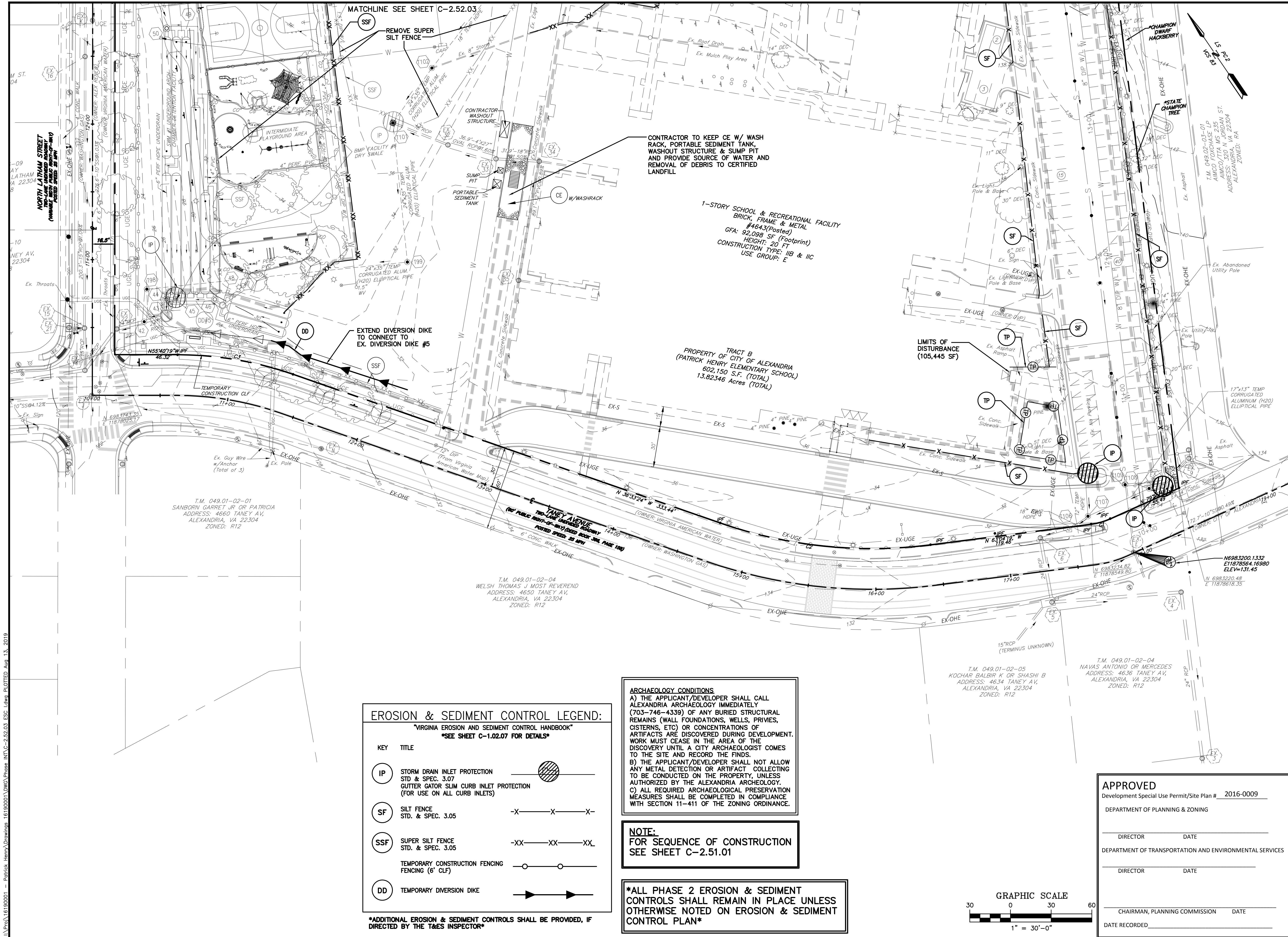


ISSUE		DESCRIPTION		DATE	
1.	07/18/2019	DSUP AMENDMENT PRELIMINARY	COMPLETION		



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PATRICK HENRY PRE-K-8 SCHOOL & RECREATIONAL FACILITY 4653 TANEY AVE, ALEXANDRIA, VA EROSION & SEDIMENT CONTROL PLAN PHASE I-1		SCALE: 1" = 30'	DATE: 07/01/2019	PROJECT NUMBER: 1619.0001	PHASE INT: DRAWING C-2.52.03
DRAWN BY: EC	CHECKED BY: CH	DATE: 07/01/2019	PROJECT NUMBER: 1619.0001	PHASE INT: DRAWING C-2.52.03	



EROSION & SEDIMENT CONTROL LEGEND:
"VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK"
SEE SHEET C-1.02.07 FOR DETAILS

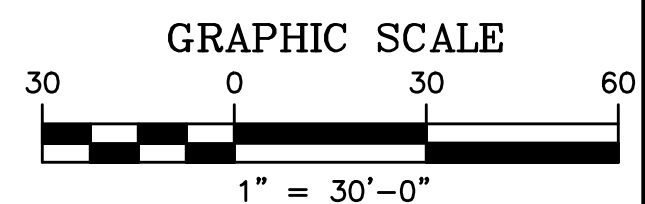
KEY	TITLE
IP	STORM DRAIN INLET PROTECTION STD. & SPEC. 3.07 GUTTER GATOR SLIM CURB INLET PROTECTION (FOR USE ON ALL CURB INLETS)
SF	SILT FENCE STD. & SPEC. 3.05
SSF	SUPER SILT FENCE STD. & SPEC. 3.05
	TEMPORARY CONSTRUCTION FENCING FENCING (6' CLF)
DD	TEMPORARY DIVERSION DIKE

ADDITIONAL EROSION & SEDIMENT CONTROLS SHALL BE PROVIDED, IF DIRECTED BY THE T&ES INSPECTOR

ARCHAEOLOGY CONDITIONS.
A) THE APPLICANT/DEVELOPER SHALL CALL ALEXANDRIA ARCHAEOLOGY IMMEDIATELY (703-746-4339) OF ANY BURIED STRUCTURAL REMAINS (WALL FOUNDATIONS, WELLS, 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 RECORD THE FINDS.
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NOTE:
FOR SEQUENCE OF CONSTRUCTION SEE SHEET C-2.51.01

ALL PHASE 2 EROSION & SEDIMENT CONTROLS SHALL REMAIN IN PLACE UNLESS OTHERWISE NOTED ON EROSION & SEDIMENT CONTROL PLAN



APPROVED
Development Special Use Permit/Site Plan # 2016-0009

DEPARTMENT OF PLANNING & ZONING

DIRECTOR _____ DATE _____

DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES

DIRECTOR _____ DATE _____

CHAIRMAN, PLANNING COMMISSION _____ DATE _____

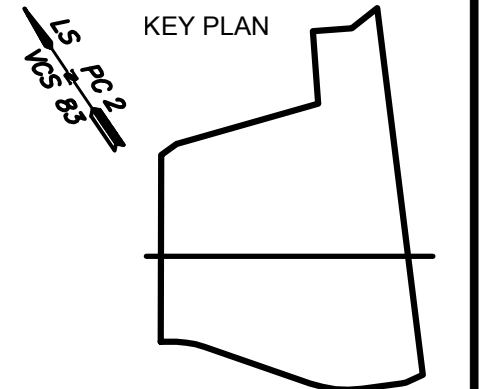
DATE RECORDED _____

PATRICK HENRY PRE-K-8 SCHOOL & RECREATIONAL FACILITY
4653 TANEY AVE, ALEXANDRIA, VA

EROSION & SEDIMENT CONTROL PLAN
PHASE I-2

SCALE:	1" = 30'
DRAWN BY:	EC
CHECKED BY:	CH
DATE:	07/01/2019
PROJECT NUMBER:	1619.0001
PHASE INT	DRAWING NUMBER:
C-252.04	

NO.	DATE	DESCRIPTION	ISSUE
1.	07/18/2019	ISSUE FOR PRELIMINARY REVIEW	COMPLETION



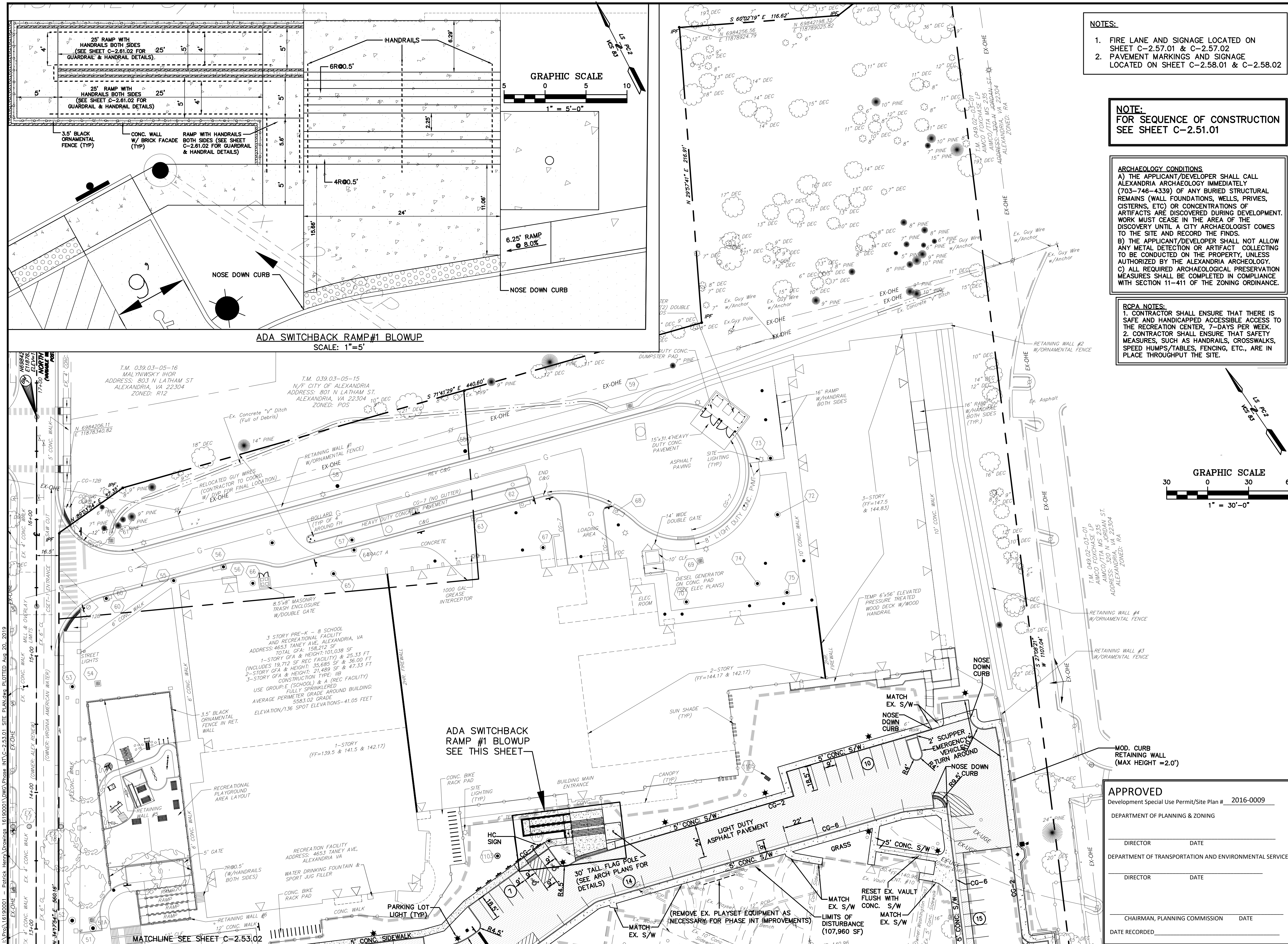
OWNER/DEVELOPER:
CITY OF ALEXANDRIA

ARCHITECT/MEP:
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8001 BRADDOCK ROAD, SUITE 400
SPRINGFIELD, VA 22151
(703) 426-9057
CONTACT: BILL BROWN

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NOTES:

1. FIRE LANE AND SIGNAGE LOCATED ON SHEET C-2.57.01 & C-2.57.02
2. PAVEMENT MARKINGS AND SIGNAGE LOCATED ON SHEET C-2.58.01 & C-2.58.02

NOTE:
FOR SEQUENCE OF CONSTRUCTION
SEE SHEET C-2.51.01

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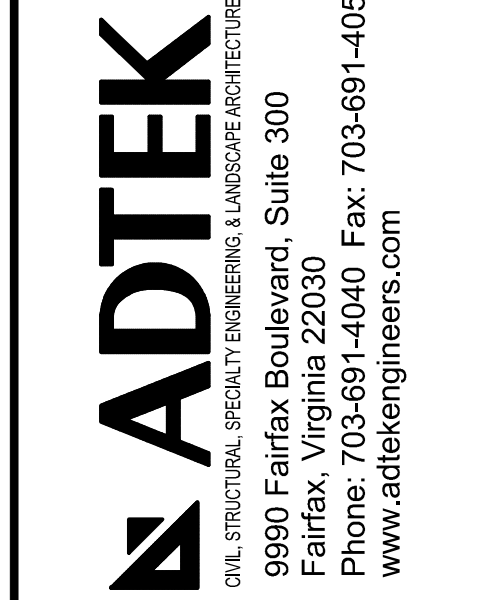
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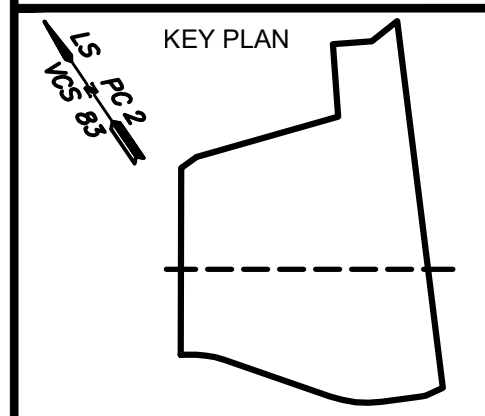
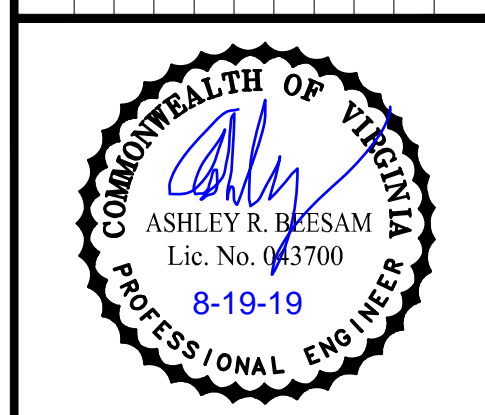


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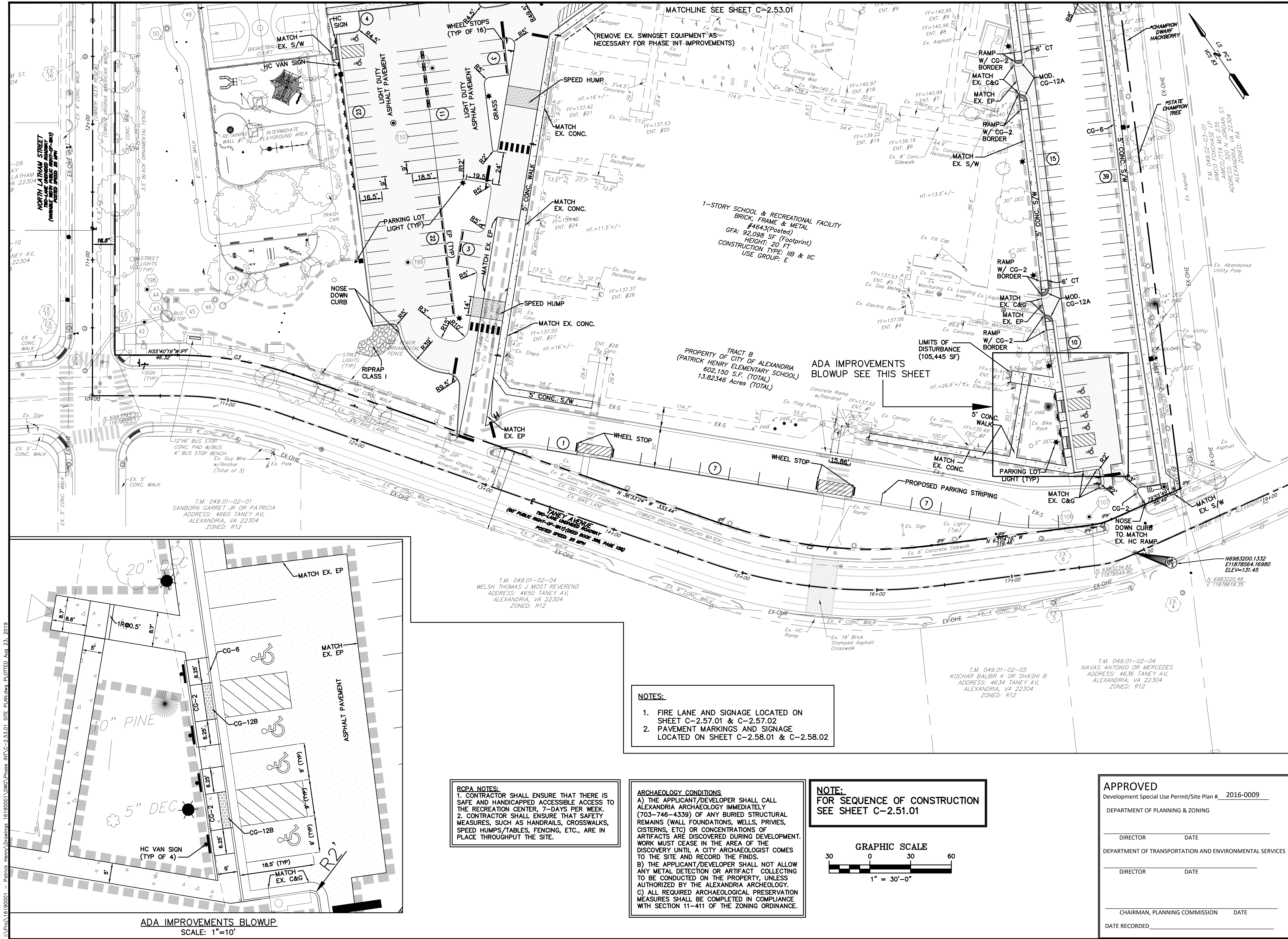
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CONTACT: MIKE WORKOSKY,
PTP, TSOS, TOPS

[illegible]

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AND SIGNED IN BLUE.

<p align="center">PATRICK HENRY PRE-K-8 SCHOOL & RECREATIONAL FACILITY 4653 TANEY AVE, ALEXANDRIA, VA</p>			
<p align="center">SITE PLAN - 1</p>			
SCALE:	1" = 30'	DATE:	07/01/2019
DRAWN BY:	EC	CHECKED BY:	CH
		PROJECT NUMBER:	1619.0001
		DRAWING NUMBER:	

\\Pro\\16160001 - Patrick Henry Drawings 16190001 DWG Phase INT-C-253.01 SITE PLAN.dwg PLOTTED Aug 23, 2019



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(703) 917-6620
CONTACT: MIKE WORKOSKY,
PTR, TSOS, TOPS

KEY PLAN

NO.	DATE	DESCRIPTION	ISSUE
1.	07/18/2019	ISSUE PRELIMINARY	COMPLETION

COMMONWEALTH OF VIRGINIA
ASHLEY R. BEESAM
Lic. No. 049700
8-19-19
PROFESSIONAL ENGINEER

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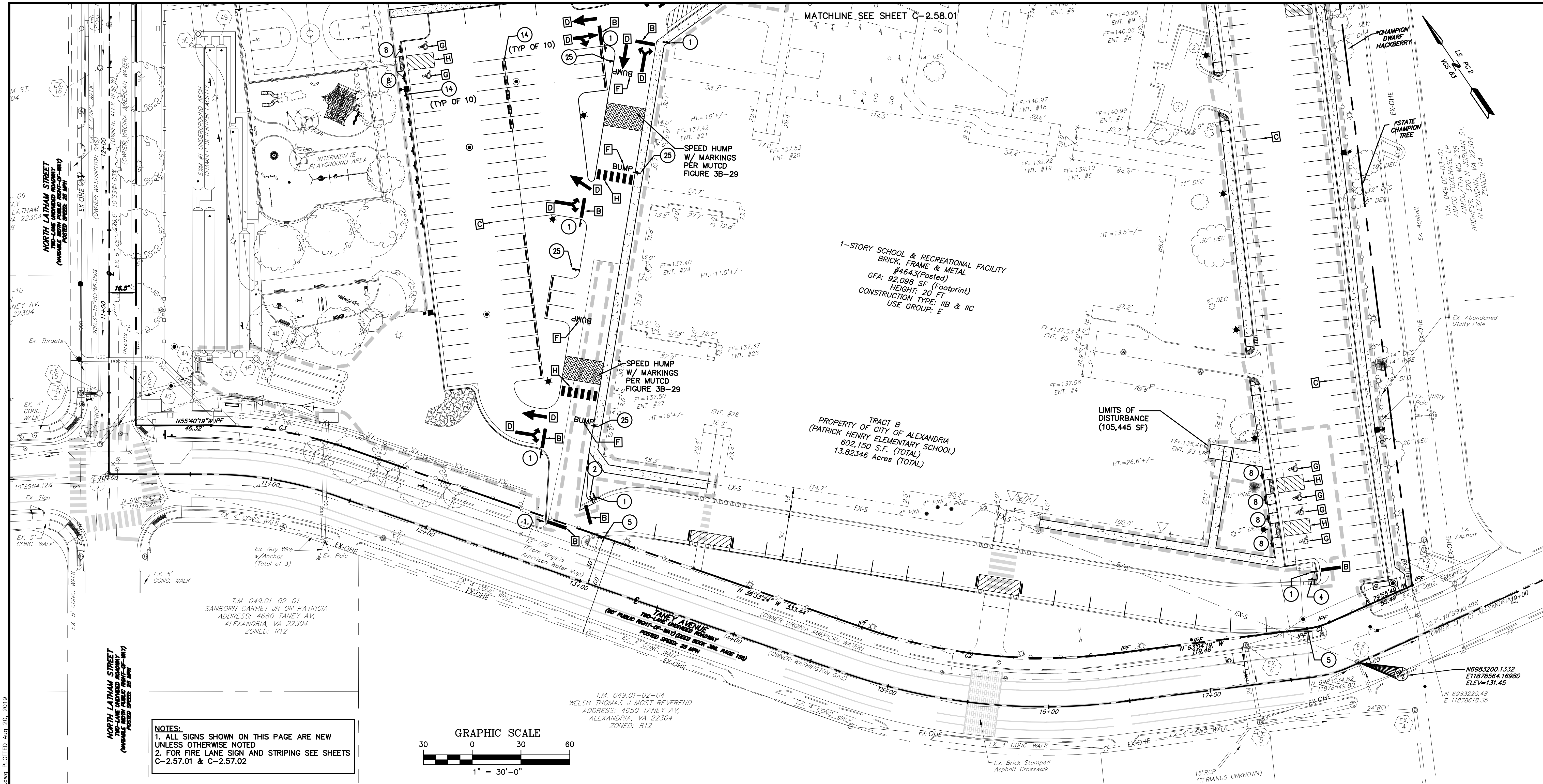
PATRICK HENRY PRE-K-8 SCHOOL & RECREATIONAL FACILITY
4653 TANEY AVE, ALEXANDRIA, VA

SITE PLAN - 2

SCALE:	1" = 30'	DATE:	07/01/2019	PROJECT:	CH	CHECKED:	BY:	PROJECT NUMBER:	1619.0001	DRAWING NUMBER:	PHASE INT	C-253.02
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APPROVED
Development Special Use Permit/Site Plan # 2016-0009
DEPARTMENT OF PLANNING & ZONING
DIRECTOR DATE
DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES
DIRECTOR DATE
CHAIRMAN, PLANNING COMMISSION DATE
DATE RECORDED

\\Pro\\16180001 - Patrick Henry Drawings 16180001.DWG Phase INT-C-2.59.01 SIGNING & MARKING PLAN.dwg PLOTTED Aug 20, 2019



SIGN NO.	1	2	3	4	5	6	7	8	9	9A	10	11	12	13	14	15
SIGN																
MUTCD REFR.	R1-1	R5-1	CUSTOM	R6-1L	R6-1R	CUSTOM	CITY OF ALEX. STD. PLAYGROUND SIGN	CITY OF ALEX. STD. PLAYGROUND SIGN	FAIRFAX CO. STD. 9-BIORETENTION SIGN	CUSTOM	CUSTOM	CUSTOM	CUSTOM	CUSTOM	CUSTOM	CUSTOM
SIGN SIZE	30" x 30"	30" x 30"	24" x 36"	36" x 12"	36" x 12"	24" x 36"	12" x 18"	12" x 30"	8" x 10"	24" x 30"	24" x 30"	24" x 30"	24" x 30"	24" x 30"	24" x 30"	18" x 24"

PAVEMENT MARKING LEGEND	
A	-TYPE B, CLASS 1, YELLOW, 4" WIDTH, DOUBLE LINE, 4" SPACING
B	-TYPE B, CLASS 1, WHITE, 24" WIDTH
C	-TYPE B, CLASS 1, WHITE, 4" WIDTH
D	-TYPE B, CLASS 1, WHITE, ELONGATED ARROW
E	-TYPE B, CLASS 1, WHITE, ELONGATED "ONLY"
F	-TYPE B, CLASS 1, WHITE, 6" WIDTH
G	-TYPE B, CLASS 1, WHITE, 4" WIDTH ACCESSIBLE PARKING SYMBOL
H	-TYPE B, CLASS 1, WHITE, 24" WIDTH, SPACED 48" ON CENTER (CROSSWALK WIDTH VARIES) (SEE SHEET C-4.01.02 FOR DETAILS)
I	-TYPE B, CLASS 1, WHITE, 4" WIDTH, SPACED 12" AT 45° DEGREE ANGLE

SIGN NO.	16	17	18	19	20	21	22	23	24	25
SIGN										
CUSTOM PREAMBLE PAVEMENT INTERPRETIVE SIGN	24" x 18"	24" x 18"	24" x 18"	R7-1 (LEFT)	R7-1 (RIGHT)	R7-7 (LEFT)	R7-7 (RIGHT)	CUSTOM	R3-17	W17-1

APPROVED
Development Special Use Permit/Site Plan # 2016-0009

DEPARTMENT OF PLANNING & ZONING

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DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES

DIRECTOR _____ DATE _____

CHAIRMAN, PLANNING COMMISSION _____ DATE _____

DATE RECORDED _____

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CONTACT: BILL BROWN

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KEY PLAN

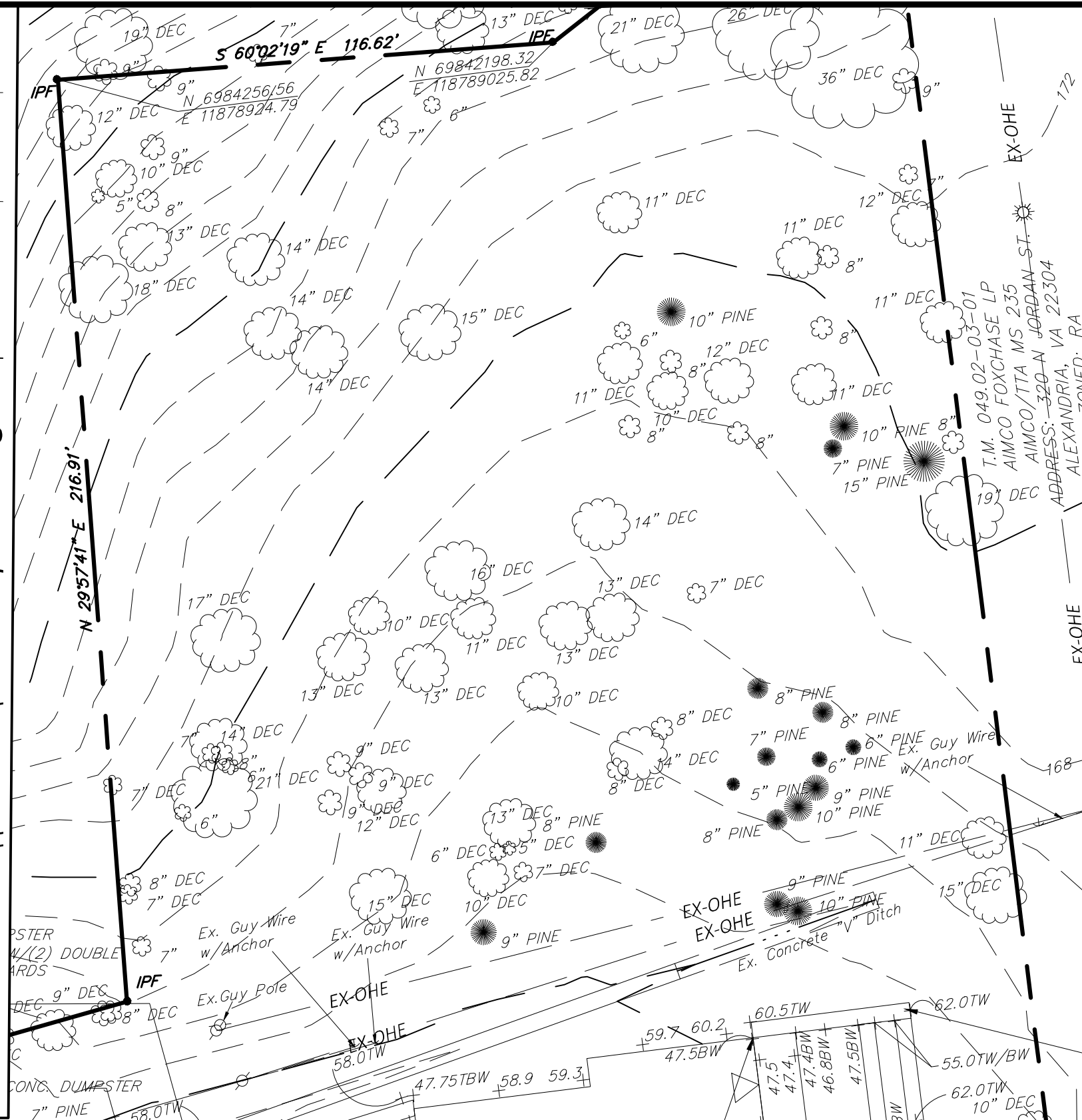
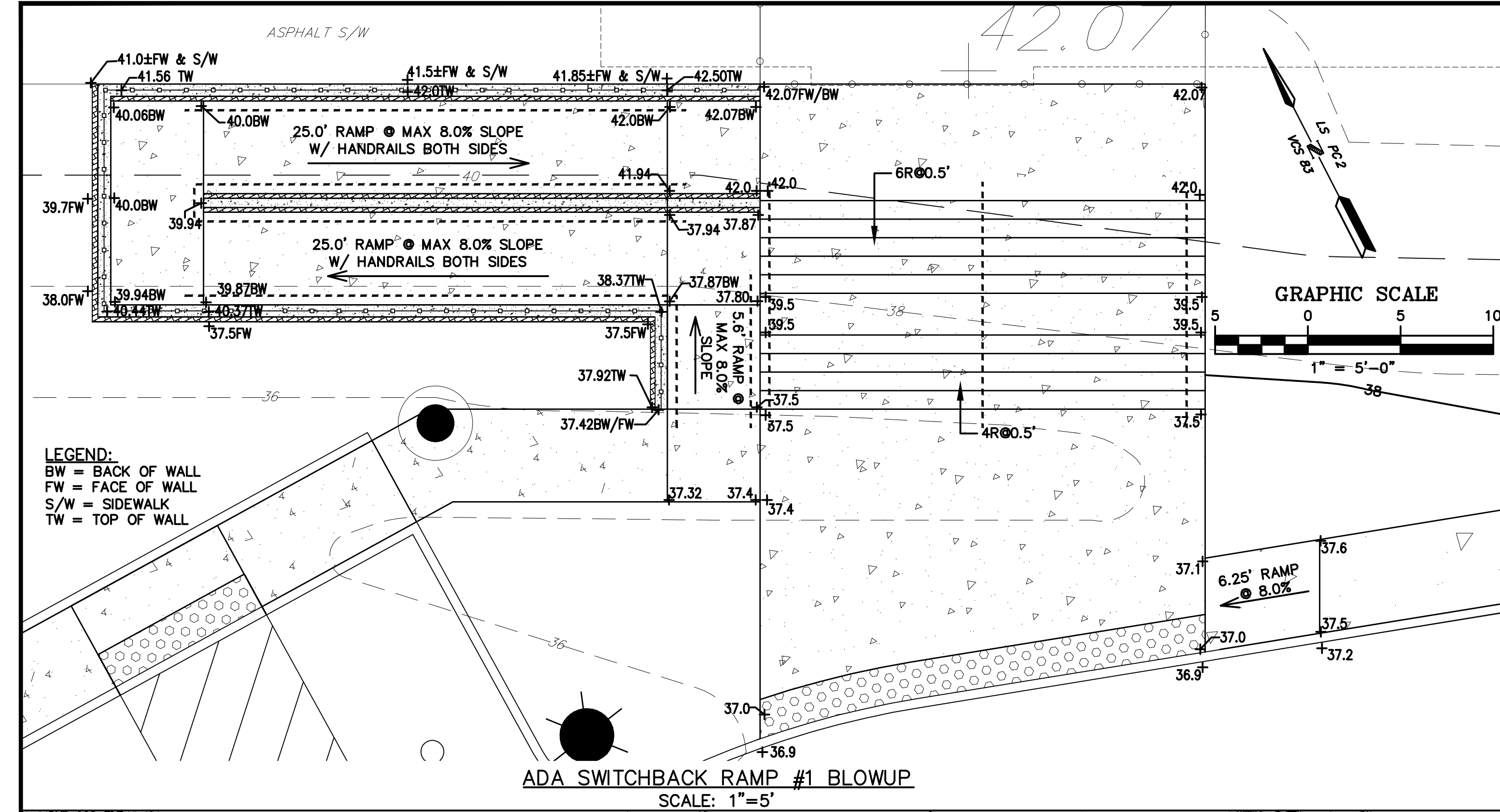
NO.	DATE	DESCRIPTION	ISSUE
1.	07/18/2019	DISP. AMENDMENT PRELIMINARY	COMPLETION

COMMONWEALTH OF VIRGINIA
ASHLEY R. BEESAM
Lic. No. 047000
8-19-19
PROFESSIONAL ENGINEER

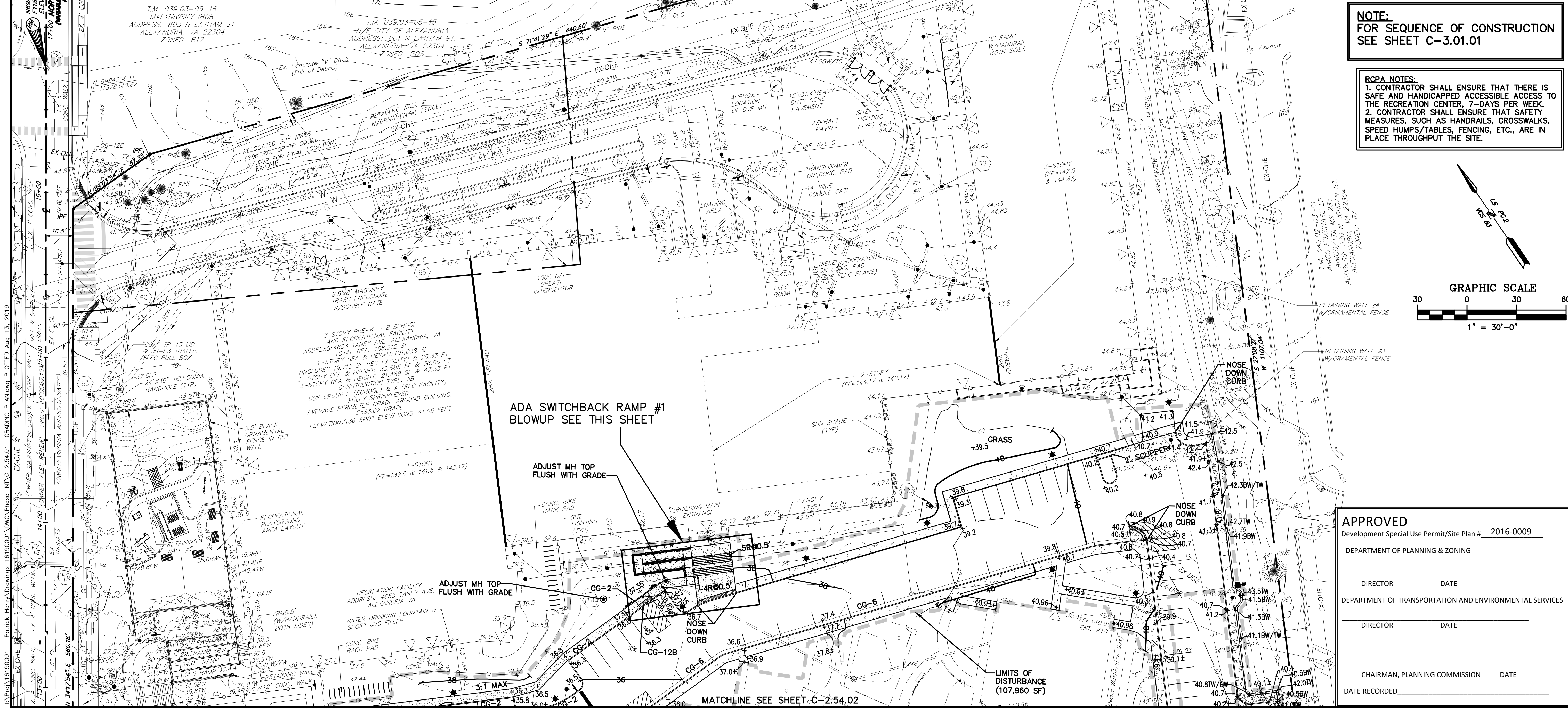
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PATRICK HENRY PRE-K-8 SCHOOL & RECREATIONAL FACILITY
4653 TANEY AVE, ALEXANDRIA, VA
SIGNING & MARKING PLAN - 2

SCALE:	1" = 30'	DATE:	07/01/2019	PHASE INT	2016-0009
DRAWN BY:	EC	CHECKED BY:	CH	PROJECT NUMBER:	1619.0001
DATE RECORDED:				DRAWING NUMBER:	C-2.58.02



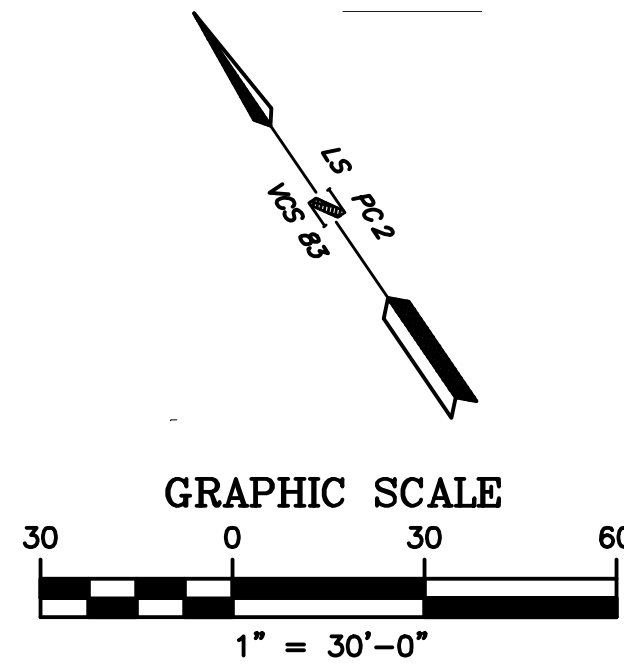
STORM PIPE LENGTH & MATERIAL TABLE			
UPSTREAM STRUCTURE	DOWNSTEAM STRUCTURE	PIPE LENGTH	MATERIAL
89	88	104'	15" RCP CL IV
88	87	128'	15" RCP CL IV
87	86	85'	15" RCP CL IV
86	85	65'	21" RCP CL IV
85	84	65'	21" RCP CL IV
84	83	66'	21" RCP CL IV
83	82	8'	24" RCP CL IV
82	81	6'	24" RCP CL IV
78	77	22'	24" RCP CL IV
77	76	21'	24" RCP CL IV
76	EX6	38'	24" RCP CL IV
91	90	143'	15" RCP CL IV
90	86	37'	15" RCP CL IV
92	90	159'	15" RCP CL IV
93	83	59'	15" RCP CL IV
94	83	66'	15" RCP CL IV
96	95	130'	15" RCP CL IV
95	76	25'	18" RCP CL IV
EX9	76	116'	18" RCP CL IV



ARCHAEOLOGY CONDITIONS
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NOTE:
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SEE SHEET C-3.01.01

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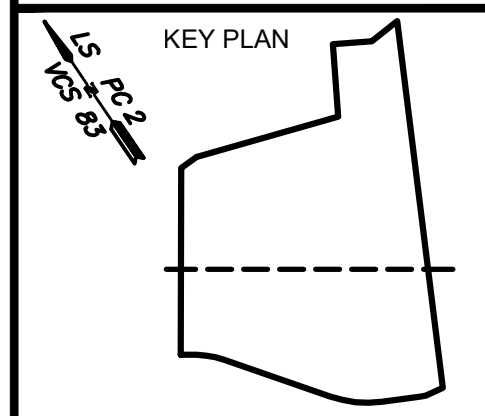
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P.E., T.S.O.S., T.O.P.S.



ISSUE			
NO.	DATE	COMPLETION	DESCRIPTION
1.	07/18/2019	PRELIMINARY	ISSUE

COMMONWEALTH OF VIRGINIA
ASHLEY R. BEESAM
Lic. No. 43700
8-19-19
PROFESSIONAL ENGINEER

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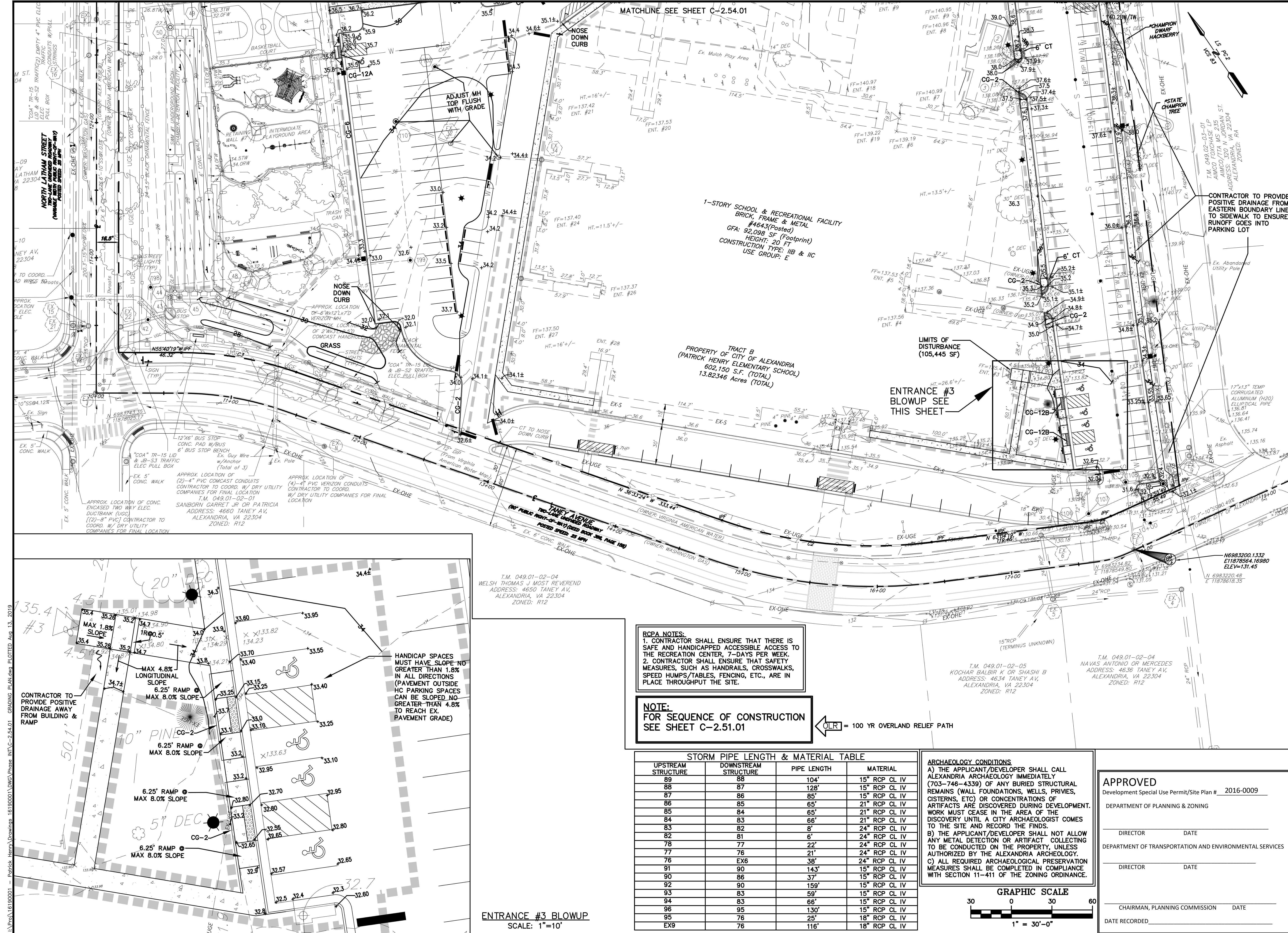
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SCALE:	DATE:	PROJECT	DRAWING
1" = 30'	07/01/2019	CH	INT
DRAWN BY:	EC	CHECKED BY:	NUMBER:
			1619.0001
PATRICK HENRY PRE-K-8 SCHOOL & RECREATIONAL FACILITY, 4653 TANEY AVE, ALEXANDRIA, VA			
GRADING PLAN - 1			

APPROVED
Development Special Use Permit/Site Plan # 2016-0009
DEPARTMENT OF PLANNING & ZONING

DIRECTOR _____ DATE _____
DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES

DIRECTOR _____ DATE _____

CHAIRMAN, PLANNING COMMISSION _____ DATE _____
DATE RECORDED _____



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KEY PLAN

NO.	DATE	DESCRIPTION	ISSUE
1.	07/18/2019	ISSUE PRELIMINARY	COMPLETION

COMMONWEALTH OF VIRGINIA
ASHLEY R. BEESAM
Lic. No. 443700
8-19-19
PROFESSIONAL ENGINEER

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PATRICK HENRY PRE-K-8 SCHOOL & RECREATIONAL FACILITY
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GRADING PLAN - 2

SCALE:	1" = 30'	DATE:	07/01/2019	PROJECT:	CH	CHECKED:	BY:	PHASE:	INT
DRAWN:	EC	DATE:		PROJECT:	CH	CHECKED:	BY:	PHASE:	INT

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82	81	6'	24" RCP CL IV
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76	EX6	38'	24" RCP CL IV
91	90	143'	15" RCP CL IV
90	88	37'	15" RCP CL IV
92	90	159'	15" RCP CL IV
93	83	59'	15" RCP CL IV
94	83	66'	15" RCP CL IV
96	95	130'	15" RCP CL IV
95	76	25'	18" RCP CL IV
EX9	76	116'	18" RCP CL IV

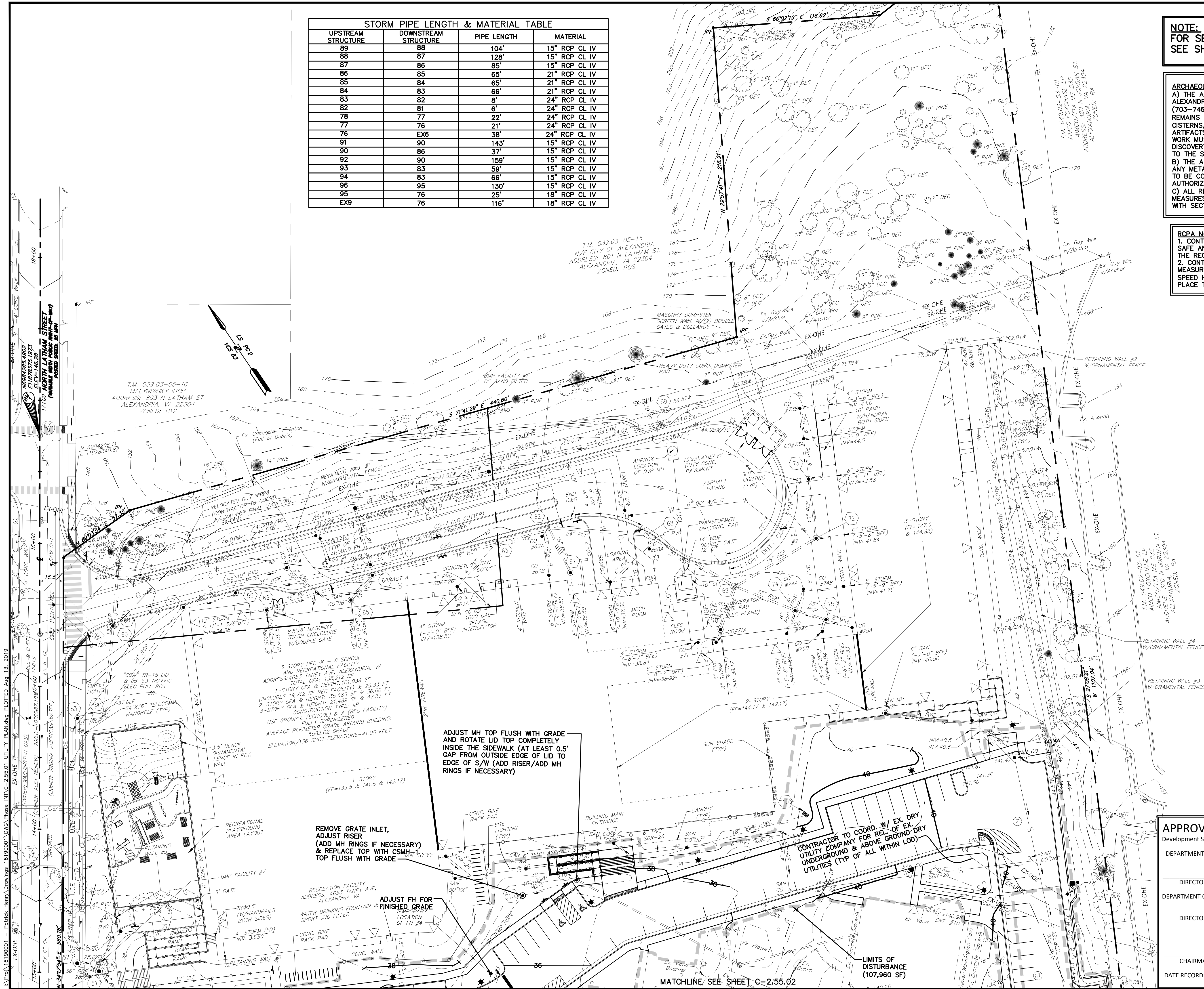
ARCHAEOLOGY CONDITIONS
A) THE APPLICANT/DEVELOPER SHALL CALL ALEXANDRIA ARCHAEOLGY IMMEDIATELY (703-746-4339) OF ANY BURIED STRUCTURAL REMAINS (WALL FOUNDATIONS, WELLS, PRIVIES, CISTERNS, ETC) OR CONCENTRATIONS OF ARTIFACTS ARE DISCOVERED DURING DEVELOPMENT. WORK MUST CEASE IN THE AREA OF THE DISCOVERY UNTIL A CITY ARCHAEOLOGIST COMES TO THE SITE AND RECORD THE FINDS.
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C) ALL REQUIRED ARCHAEOLOGICAL PRESERVATION MEASURES SHALL BE COMPLETED IN COMPLIANCE WITH SECTION 11-411 OF THE ZONING ORDINANCE.

GRAPHIC SCALE
30 0 30 60
1" = 30'-0"

APPROVED
Development Special Use Permit/Site Plan # 2016-0009
DEPARTMENT OF PLANNING & ZONING
DIRECTOR DATE
DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES
DIRECTOR DATE
CHAIRMAN, PLANNING COMMISSION DATE
DATE RECORDED

CONTRACTOR TO PROVIDE POSITIVE DRAINAGE FROM EASTERN BOUNDARY LINE TO SIDEWALK TO ENSURE RUNOFF GOES INTO PARKING LOT

16190001 - Patrick Henry Drawings 16190001 DWS Phase INT-C-255.01 UTILITY PLAN.dwg PLOTTED Aug 13, 2019



STORM PIPE LENGTH & MATERIAL TABLE			
UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE LENGTH	MATERIAL
89	88	104'	15" RCP CL IV
88	87	128'	15" RCP CL IV
87	86	85'	15" RCP CL IV
86	85	21'	21" RCP CL IV
85	84	65'	21" RCP CL IV
84	83	66'	21" RCP CL IV
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NOTE:
FOR SEQUENCE OF CONSTRUCTION
SEE SHEET C-3.01.01

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RCPA NOTES:
1. CONTRACTOR SHALL ENSURE THAT THERE IS SAFE AND HANDICAPPED ACCESSIBLE ACCESS TO THE RECREATION CENTER, 7-DAYS PER WEEK.
2. CONTRACTOR SHALL ENSURE THAT SAFETY MEASURES, SUCH AS HANDRAILS, CROSSWALKS, SPEED HUMPS/TABLES, FENCING, ETC., ARE IN PLACE THROUGHOUT THE SITE.

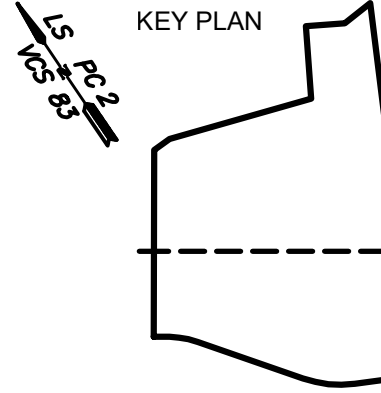
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Fairfax, Virginia 22030
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www.adtekengineers.com

OWNER/DEVELOPER:
CITY OF ALEXANDRIA

ARCHITECT/MEP:
MOSLEY ARCHITECTS
8001 BRADDOCK ROAD, SUITE 400
SPRINGFIELD, VA 22151
(703) 426-9057
CONTACT: BILL BROWN

CIVIL ENGINEER:
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(703) 917-6620
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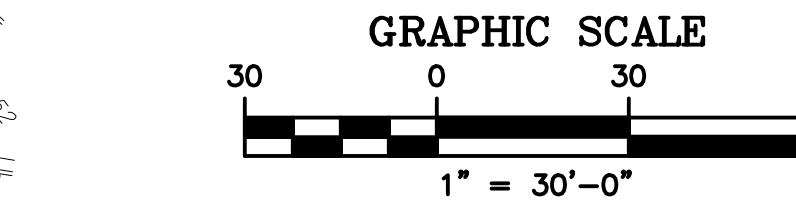


NO.		DATE	DESCRIPTION	ISSUE
1.	07/18/2019	DSUP AMENDMENT PRELIMINARY	COMPLETION	



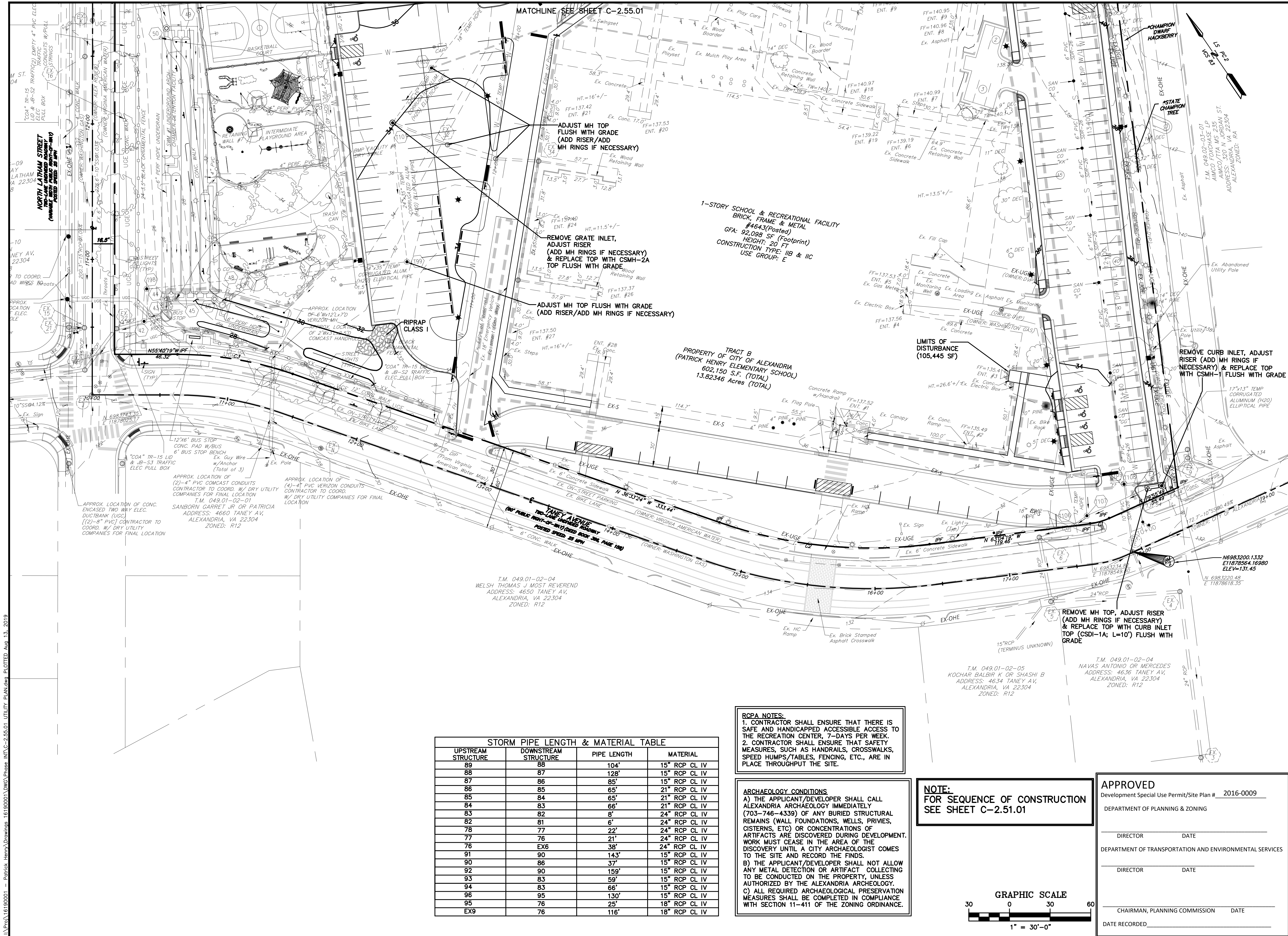
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PATRICK HENRY PRE-K-8 SCHOOL & RECREATIONAL FACILITY
4653 TANEY AVE, ALEXANDRIA, VA
UTILITY PLAN - 1



APPROVED
Development Special Use Permit/Site Plan # 2016-0009
DEPARTMENT OF PLANNING & ZONING
DIRECTOR _____ DATE _____
DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES
DIRECTOR _____ DATE _____
CHAIRMAN, PLANNING COMMISSION _____ DATE _____
DATE RECORDED _____

MATCHLINE/SEE SHEET C-2.55.02

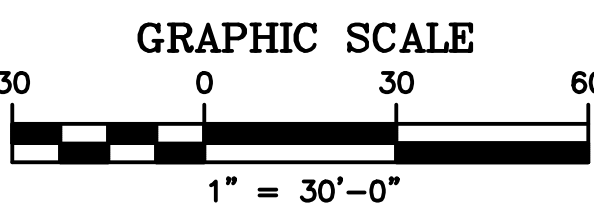


STORM PIPE LENGTH & MATERIAL TABLE			
UPSTREAM STRUCTURE	DOWNSTEAM STRUCTURE	PIPE LENGTH	MATERIAL
89	88	104'	15" RCP CL IV
88	87	128'	15" RCP CL IV
87	86	85'	15" RCP CL IV
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ARCHAEOLOGY CONDITIONS
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NOTE:
FOR SEQUENCE OF CONSTRUCTION SEE SHEET C-2.51.01



APPROVED
Development Special Use Permit/Site Plan # 2016-0009

DEPARTMENT OF PLANNING & ZONING

DIRECTOR _____ DATE _____

DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES

DIRECTOR _____ DATE _____

CHAIRMAN, PLANNING COMMISSION _____ DATE _____

DATE RECORDED _____

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1420 SPRING HILL ROAD, SUITE 510
TYSONS, VA 22102
(703) 917-6620
CONTACT: MIKE WORKOSKY,
PTR, TSOS, TOPS

KEY PLAN

NO.	DATE	DESCRIPTION	ISSUE
1.	07/18/2019	DISP. AMENDMENT PRELIMINARY	COMPLETION

COMMONWEALTH OF VIRGINIA
ASHLEY R. BEESAM
Lic. No. 443700
8-19-19
PROFESSIONAL ENGINEER

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PATRICK HENRY PRE-K-8 SCHOOL & RECREATIONAL FACILITY
4653 TANEY AVE, ALEXANDRIA, VA

UTILITY PLAN - 2

SCALE: 1" = 30'	DATE: 07/01/2019	PHASE INT
DRAWN BY: EC	CHECKED BY: CH	DRAWING NUMBER: 1619.0001
PROJECT NUMBER:		PROJECT NUMBER:

STORM PIPE LENGTH & MATERIAL TABLE			
UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE LENGTH	MATERIAL
89	88	104'	15" RCP CL IV
88	87	128'	15" RCP CL IV
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EX9	76	116'	18" RCP CL IV

ALL PHASE 2 EROSION & SEDIMENT CONTROLS SHALL REMAIN IN PLACE UNLESS OTHERWISE NOTED ON THIS EROSION & SEDIMENT CONTROL PLAN

EROSION & SEDIMENT CONTROL LEGEND:

"VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK"
SEE SHEET C-1.02.07 FOR DETAILS

KEY	TITLE
IP	STORM DRAIN INLET PROTECTION STD. & SPEC. 3.07 GUTTER GATOR SLIM CURB INLET PROTECTION (FOR USE ON ALL CURB INLETS)
SF	SILT FENCE STD. & SPEC. 3.05
SSF	SUPER SILT FENCE STD. & SPEC. 3.05
	TEMPORARY CONSTRUCTION FENCING (6' CLF)
DD	TEMPORARY DIVERSION DIKE STD. & SPEC. 3.09

ADDITIONAL EROSION & SEDIMENT CONTROLS SHALL BE PROVIDED, IF DIRECTED BY THE T&ES INSPECTOR

NOTE:
FOR SEQUENCE OF CONSTRUCTION
SEE SHEET C-2.51.01

PERMANENT SODDING NOTES:

- ALL DISTURBED AREA NOT PAVED OR BUILT OVER OR PART OF MULCHED PLANTING BEDS SHALL BE PERMANENTLY STABILIZED WITH TOPSOIL AND SOD AS SPECIFIED.
- SOD SHALL BE BLUE TAG CERTIFIED BY THE VIRGINIA CROP IMPROVEMENT ASSOCIATION
- SOD SHALL BE 95% TALL FESCUE, 5% KENTUCKY BLUEGRASS

ARCHAEOLOGY CONDITIONS

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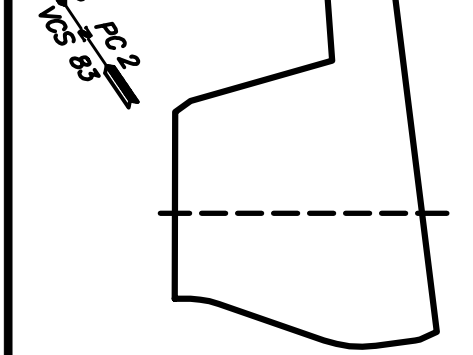
OWNER/DEVELOPER:
CITY OF ALEXANDRIA

ARCHITECT/MEP:
MOSLEY ARCHITECTS
8001 BRAEDOCK ROAD, SUITE 400
SPRINGFIELD, VA 22151
(703) 426-9057
CONTACT: BILL BROWN

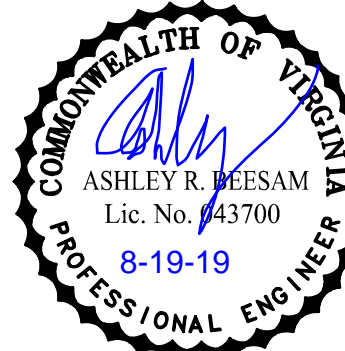
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FAIRFAX, VA 22020
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TYSONS, VA 22102
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CONTACT: MIKE WORKOSKY,
PTR, TSOS, TOPS

KEY PLAN



NO.	DATE	DESCRIPTION	ISSUE
1.	07/18/2019	ISSUE PRELIMINARY	
		COMPLETION	



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PATRICK HENRY PRE-K-8 SCHOOL & RECREATIONAL FACILITY
4653 TANEY AVE, ALEXANDRIA, VA
EROSION & SEDIMENT CONTROL PLAN
PHASE II-1

SCALE:	1" = 30'	DATE:	07/01/2019	PROJECT NUMBER:	1619.0001	PHASE INT	DRAWING NUMBER:	C-2.56.01
DRAWN BY:	EC	CHECKED BY:	CH					

APPROVED

Development Special Use Permit/Site Plan # 2016-0009

DEPARTMENT OF PLANNING & ZONING

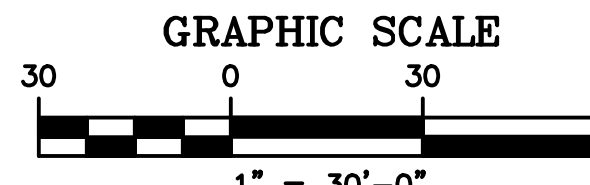
DIRECTOR DATE

DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES

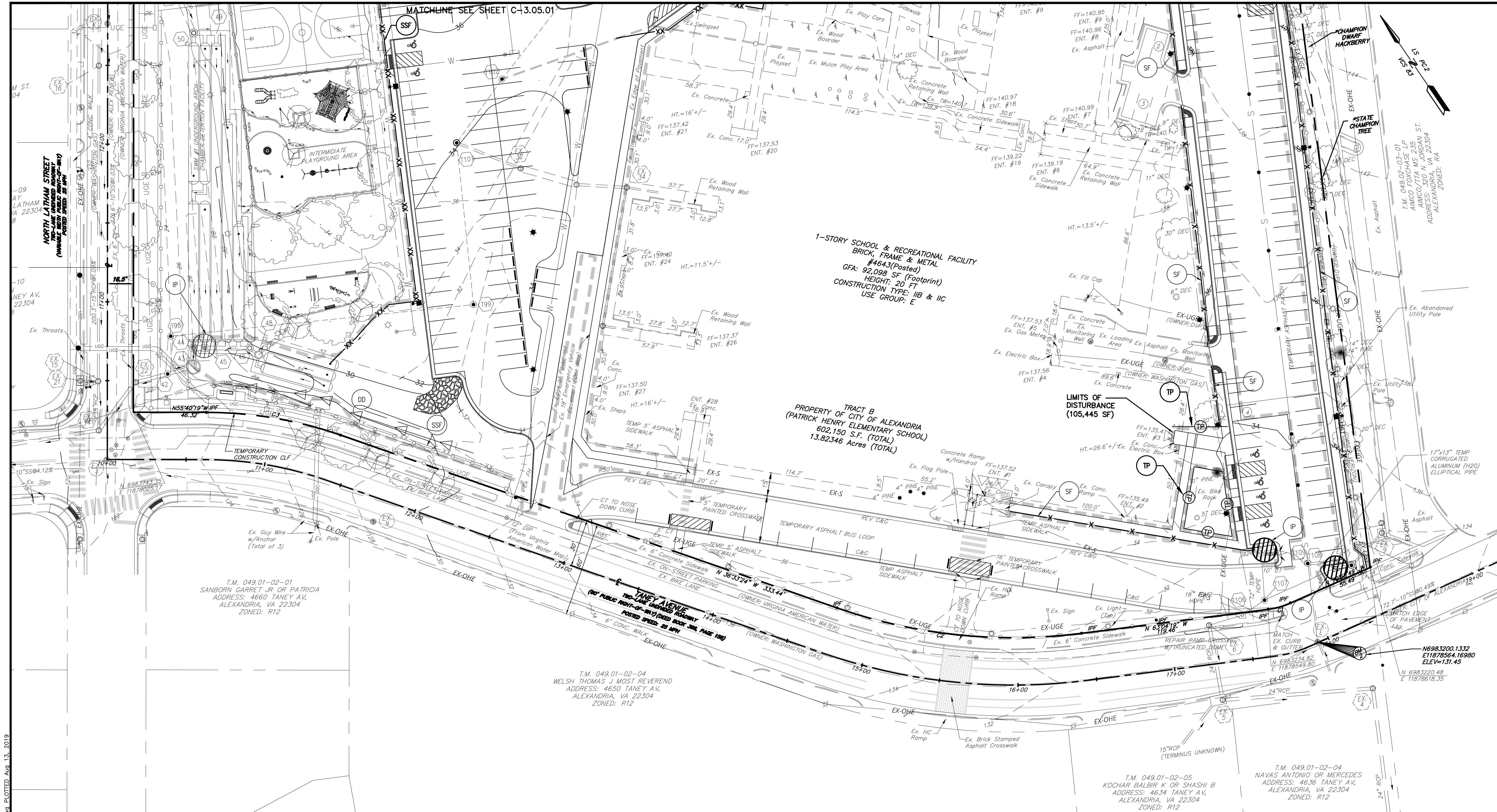
DIRECTOR DATE

CHAIRMAN, PLANNING COMMISSION DATE

DATE RECORDED



\\Pro\\16180001 - Patrick Henry Drawings 16180001.DWG Phase INT-C-2.56.01 ESC lldwg PLOTTED Aug 13, 2019



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ALL PHASE 2 EROSION & SEDIMENT CONTROLS SHALL REMAIN IN PLACE UNLESS OTHERWISE NOTED ON THIS EROSION & SEDIMENT CONTROL PLAN

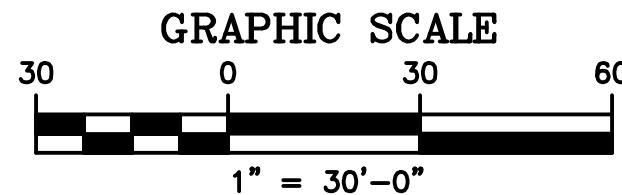
NOTE:
FOR SEQUENCE OF CONSTRUCTION
SEE SHEET C-2.51.01

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EROSION & SEDIMENT CONTROL LEGEND:
"VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK"
SEE SHEET C-1.02.07 FOR DETAILS

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ADDITIONAL EROSION & SEDIMENT CONTROLS SHALL BE PROVIDED, IF DIRECTED BY THE T&ES INSPECTOR



APPROVED
Development Special Use Permit/Site Plan # 2016-0009

DEPARTMENT OF PLANNING & ZONING

DIRECTOR _____ DATE _____

DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES

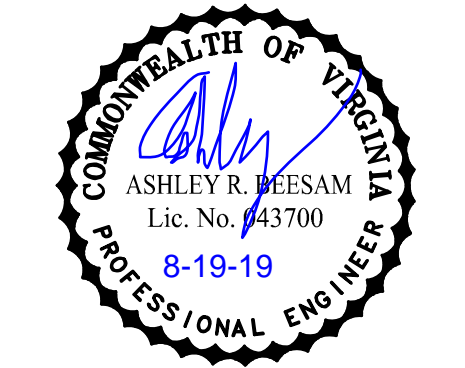
DIRECTOR _____ DATE _____

CHAIRMAN, PLANNING COMMISSION _____ DATE _____

DATE RECORDED _____

PATRICK HENRY PRE-K-8 SCHOOL & RECREATIONAL FACILITY
4653 TANNEY AVE, ALEXANDRIA, VA
EROSION & SEDIMENT CONTROL PLAN
PHASE II-2

NO.	DATE	ISSUE	
		DESCRIPTION	COMPLETION
1.	07/18/2019	ISSUE PRELIMINARY	



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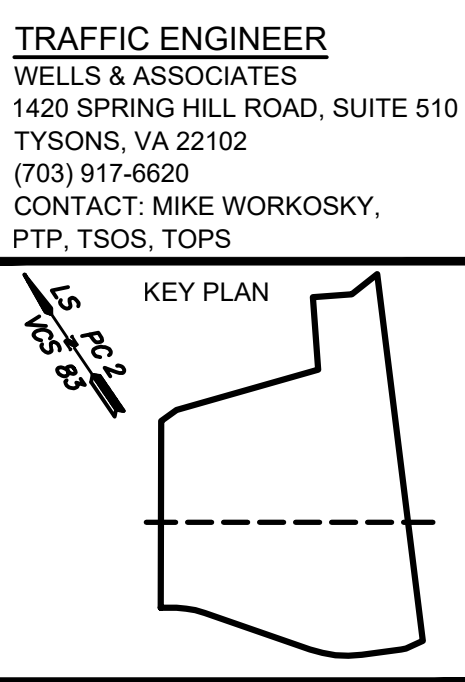
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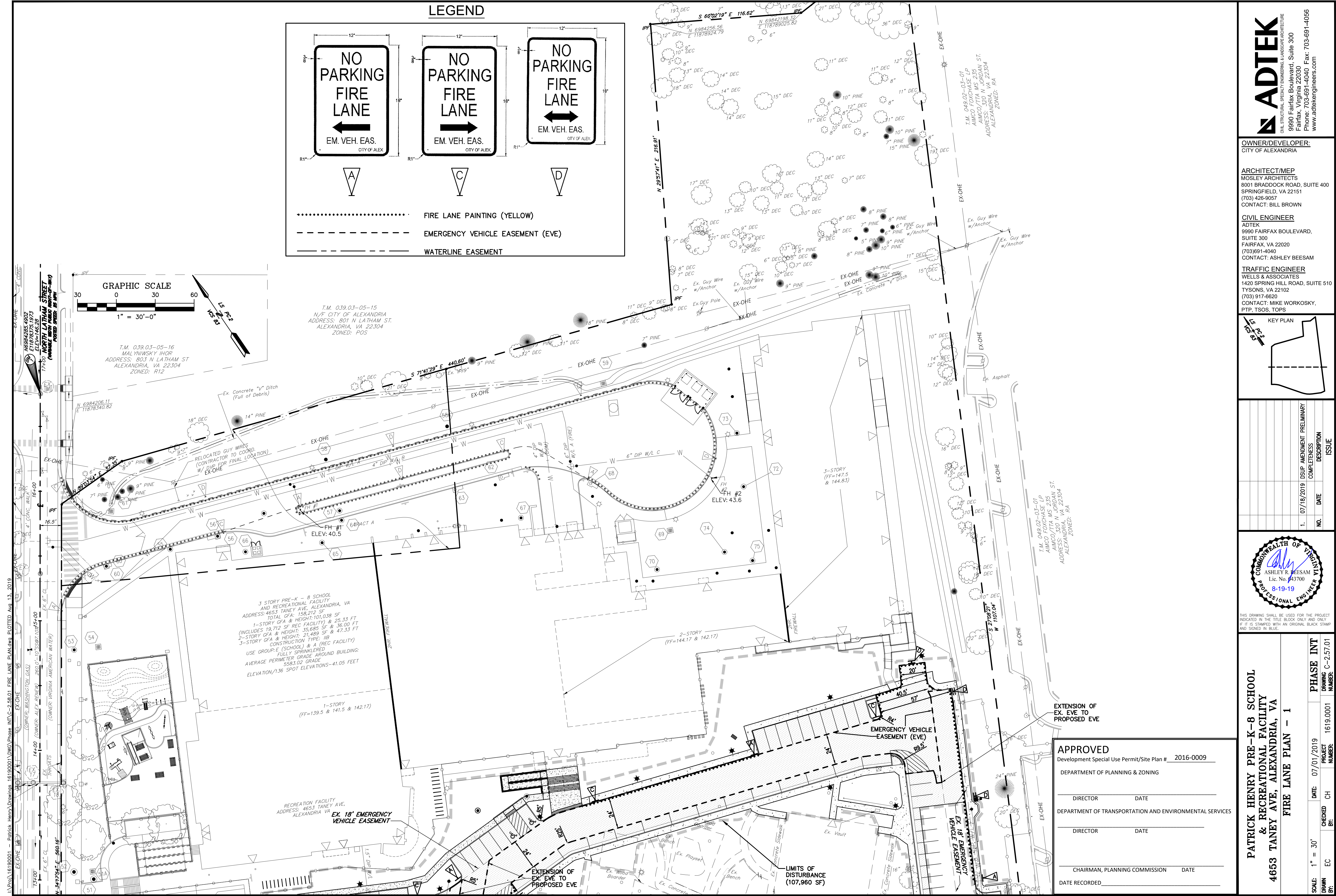
OWNER/DEVELOPER:
CITY OF ALEXANDRIA

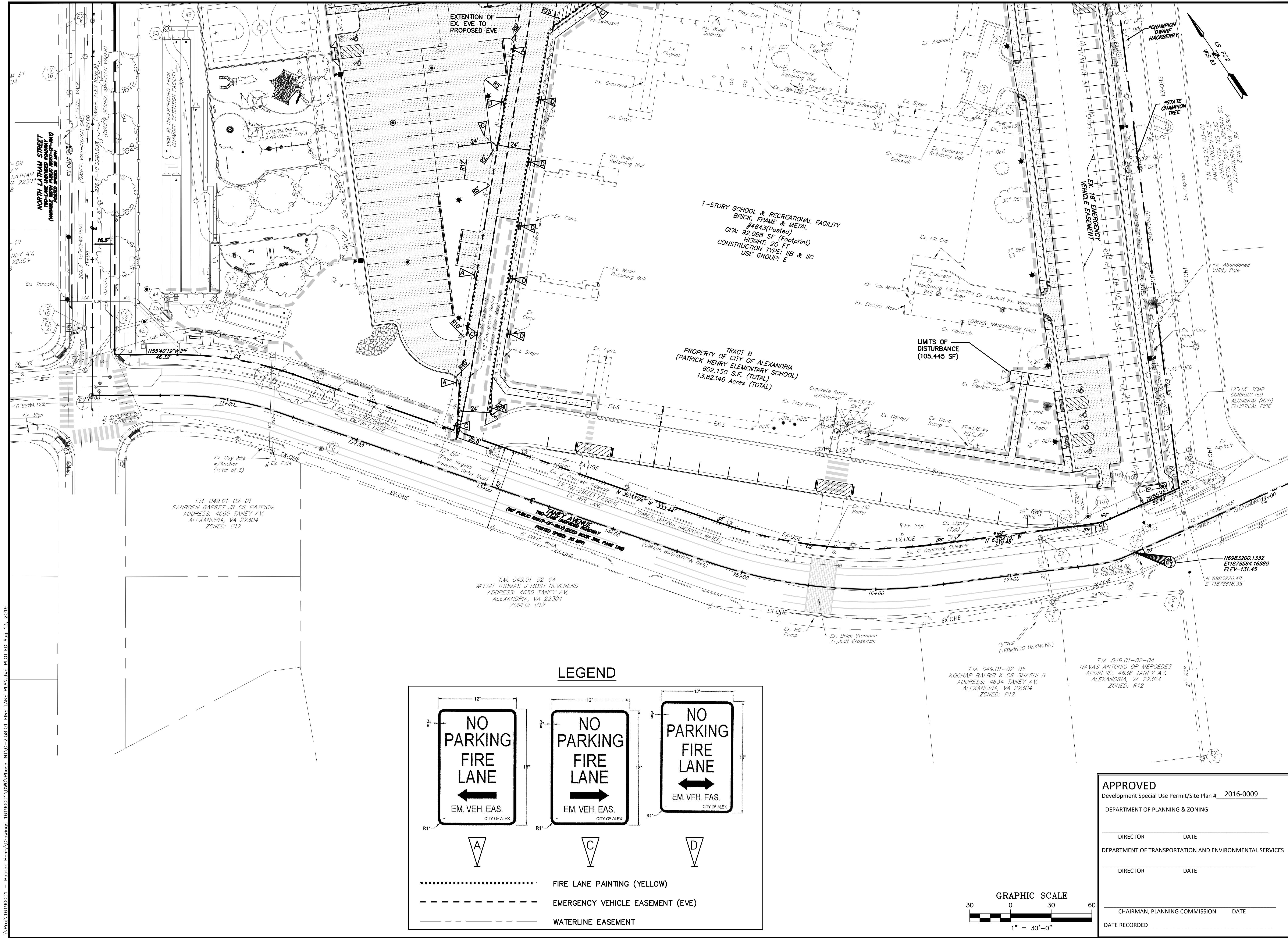
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KEY PLAN

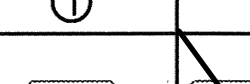





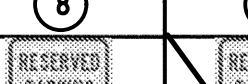


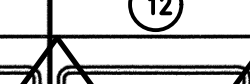
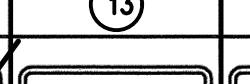
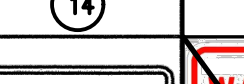


NO.	DATE	DESCRIPTION	ISSUE
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COMMONWEALTH OF VIRGINIA
ASHLEY R. BEESAM
Lic. No. 143700
8-19-19
PROFESSIONAL ENGINEER

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PATRICK HENRY PRE-K-8 SCHOOL & RECREATIONAL FACILITY
4653 TANEY AVE, ALEXANDRIA, VA
FIRE LANE PLAN - 2

SCALE:	1" = 30'	DATE:	07/01/2019	PROJECT NUMBER:	1619.0001	PHASE INT	DRAWING NUMBER:	C-2.57.02
DRAWN BY:	EC	CHECKED BY:	CH	DATE RECORDED:				

SIGN NO.	①	②	③	④	⑤	⑥	⑦	⑧	⑧A	⑨ ⑩	⑪	⑫	⑬	⑭	⑮
SIGN															
MUTCD REF.	R1-1	R5-1	CUSTOM	R6-1L	R6-1R	CUSTOM	CITY OF ALEX. STD. PLAYGROUND SIGN	CITY OF ALEX. STD.	CITY OF ALEX. STD.	9-BIORETENTION SIGN 9A- DRY SWALE SIGN	CUSTOM	CUSTOM	CUSTOM	CUSTOM	CUSTOM
SIGN SIZE	30" x 30"	30" x 30"	24" x 36"	36" x 12"	36" x 12"	24" x 36"	12" x 18"	12" x 30"	12" x 30"	8" x 10"	24" x 30"	24" x 30"	24" x 30"	24" x 30"	18" x 24"

PAVEMENT MARKING LEGEND

A – TYPE B, CLASS 1, YELLOW, 4" WIDTH, DOUBLE LINE, 4' SPACING

B – TYPE B, CLASS 1, WHITE, 24" WIDTH

C – TYPE B, CLASS 1, WHITE, 4" WIDTH

D – TYPE B, CLASS 1, WHITE, ELONGATED ARROW

E – TYPE B, CLASS 1, WHITE, ELONGATED 'ONLY'

F – TYPE B, CLASS 1, WHITE, 6" WIDTH

G – TYPE B, CLASS 1, WHITE, 4" WIDTH ACCESSIBLE PARKING SYMBOL

H – TYPE B, CLASS 1, WHITE, 24" WIDTH, SPACED 48" ON CENTER (CROSSWALK WIDTH VARIES)
(SEE SHEET C-4.01.02 FOR DETAILS)

PAVEMENT MARKING LEGEND
[A] -TYPE B, CLASS 1, YELLOW, 4"WIDTH, DOUBLE LINE, 4' SPACING
[B] -TYPE B, CLASS 1, WHITE, 24"WIDTH
[C] -TYPE B, CLASS 1, WHITE, 4"WIDTH
[D] -TYPE B, CLASS 1, WHITE, ELONGATED ARROW
[E] -TYPE B, CLASS 1, WHITE, ELONGATED "ONLY"
[F] -TYPE B, CLASS 1, WHITE, 6"WIDTH
[G] -TYPE B, CLASS 1, WHITE, 4"WIDTH ACCESSIBLE PARKING SYMBOL
[H] -TYPE B, CLASS 1, WHITE, 24"WIDTH, SPACED 48" ON CENTER (CROSSWALK WIDTH VARIES) (SEE SHEET C-4.01.02 FOR DETAILS)

NOTES:
1. ALL SIGNS SHOWN ON THIS PAGE ARE NEW UNLESS OTHERWISE NOTED
2. FOR FIRE LANE SIGN AND STRIPING SEE SHEETS C-2.57.01 & C-2.57.02

SIGN NOTES:
1. ALL PROPOSED SIGNING AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF EACH OF THE FOLLOWING MANUALS, OR THE MOST RECENT REVISION THERETO:
A. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)
B. THE VIRGINIA SUPPLEMENT TO THE MUTCD
C. THE VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE SPECIFICATIONS
D. THE VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE STANDARDS.
2. ALL PAVEMENT MARKING SHALL BE TYPE B, CLASS 1, UNLESS OTHERWISE NOTED.
3. STRIPING MATERIALS SHALL BE THERMOPLASTIC TYPE B, CLASS 1, IN ACCORDANCE WITH VDOT SPECIFICATION SECTION 246 AND VDOT APPROVED PRODUCT LIST.

4. PROPOSED SIGN LOCATIONS ARE APPROXIMATE AND SHALL BE MODIFIED IN THE FIELD TO AVOID CONFLICT WITH UNDERGROUND UTILITIES OR OTHER OBSTRUCTIONS, AND TO COMPLY WITH STANDARDS REFERENCED IN NOTE 1 ABOVE.

5. ANY EXISTING PAVEMENT MARKINGS THAT WILL CONFLICT WITH PROPOSED PAVEMENT MARKINGS SHALL BE COMPLETELY ERADICATED.

6. LIMITS SHOWN ON PROPOSED MARKINGS ARE APPROXIMATE AND SHALL BE MODIFIED IN THE FIELD TO ENSURE THAT PROPOSED PAVEMENT MARKINGS CONTINUE UNTIL EXISTING PAVEMENT MARKINGS CAN BE MATCHED.

7. STOP LINES, IF REQUIRED BY THE ENGINEER, SHALL BE A MINIMUM OF 4 FEET IN ADVANCE OF THE CROSSWALK. IN THE ABSENCE OF A MARKED CROSSWALK, THE STOP LINE SHALL BE A MINIMUM OF 4 FEET AND A MAXIMUM OF 50 FEET IN ADVANCE OF THE NEAREST EDGE OF THE INTERSECTING ROADWAY. STOP LINES SHALL BE 24 INCHES IN WIDTH. ARROWS SHALL BE IN ACCORDANCE WITH THE FEDERAL MUTCD. SPACING BETWEEN DOUBLE SOLID YELLOW LINES SHALL BE 4 INCHES.

8. EXISTING SIGNS TO BE REMOVED SHALL BE RETURNED TO THE CITY OF ALEXANDRIA OR AS OTHERWISE DIRECTED BY THE ENGINEER.

9. ALL EXISTING SIGNS TO BE RELOADED SHALL BE VERIFIED TO MATCH CURRENT MUTCD SIZING REQUIREMENTS. ALL SIGNS FAILING TO MEET SIZING REQUIREMENTS SHALL BE RETURNED TO THE CITY OF ALEXANDRIA AND NEW SIGNS SHALL BE INSTALLED.

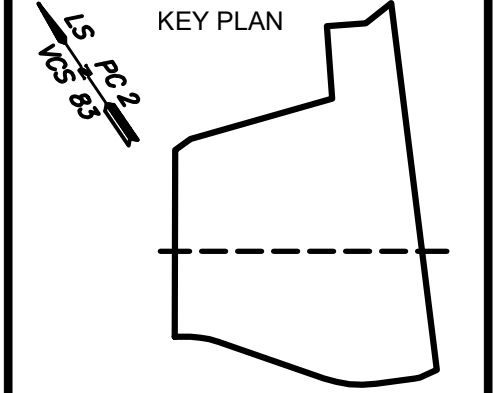
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Phone: 703-691-4040 Fax: 703-691-4056
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ARCHITECT/MEP:
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CONTACT: ASHLEY BEESAM

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WELLS & ASSOCIATES
1420 SPRING HILL ROAD, SUITE 510
TYSONS, VA 22102
(703) 917-6620
CONTACT: MIKE WORKOSKY,
PTR, TSOS, TOPS



NO.	DATE	DESCRIPTION	ISSUE
1.	07/18/2019	DSUP AMENDMENT PRELIMINARY	COMPLETION

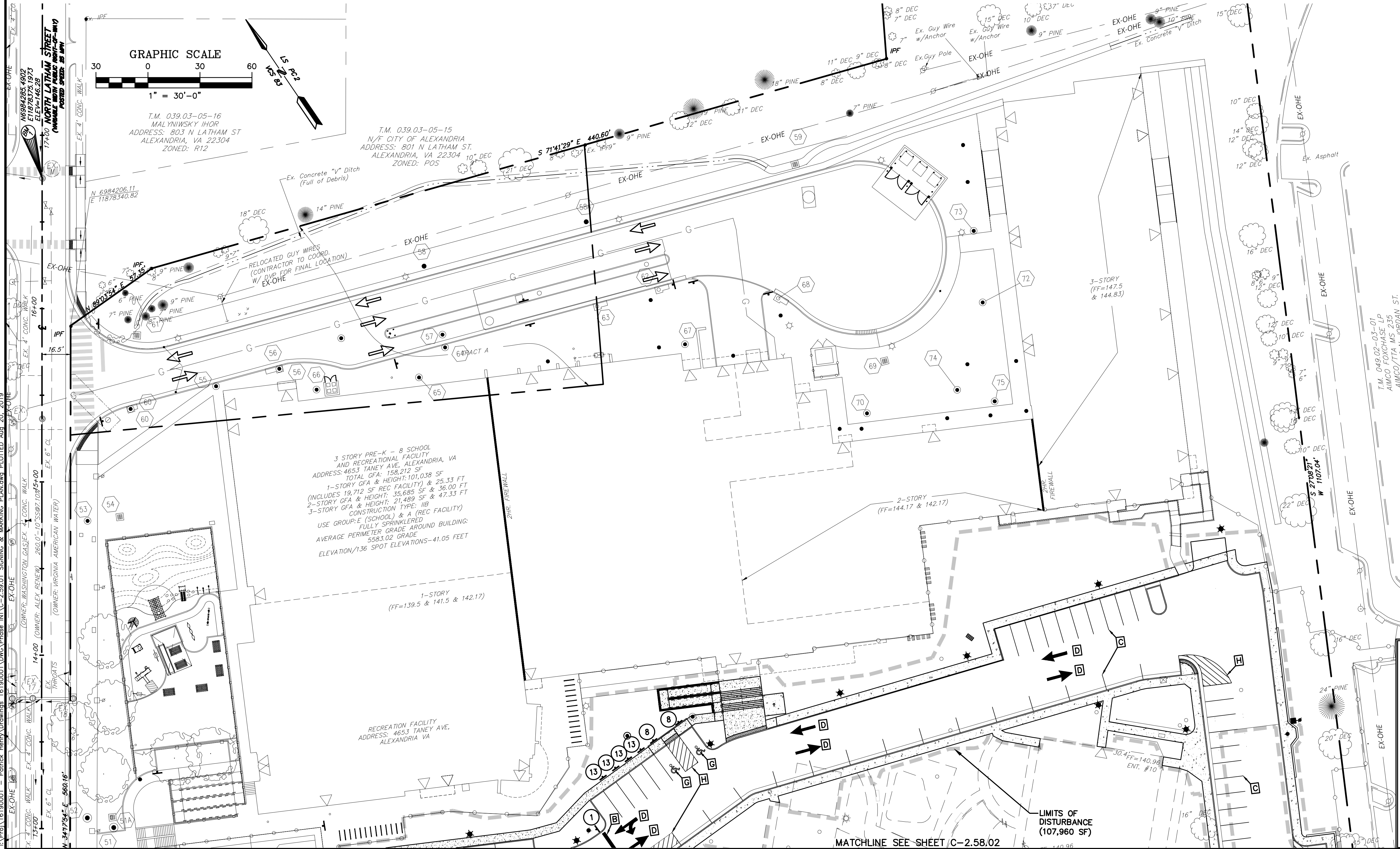


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PATRICK HENRY PRE-K-8 SCHOOL & RECREATIONAL FACILITY
4653 TANEY AVE, ALEXANDRIA, VA
SIGNING & MARKING PLAN - 1

SCALE:	1" = 30'	DATE:	07/01/2019	PROJECT NO.:	1619.0001	PHASE INT. DRAWING NO.:	C-2.58.01
DRAWN BY:	EC	CHECKED BY:	CH	DATE:	07/01/2019	PROJECT NO.:	1619.0001

APPROVED
Development Special Use Permit/Site Plan # 2016-0009
DEPARTMENT OF PLANNING & ZONING
DIRECTOR _____ DATE _____
DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES
DIRECTOR _____ DATE _____
CHAIRMAN, PLANNING COMMISSION _____ DATE _____
DATE RECORDED _____



I:\Proj\16190001 - Patrick Henry Drawings\16190001\DWG\Phase INT\C-258.03 SCHOOL BUS DROP OFF MAP.dwg PLOTTED Aug 15, 2019

SCHOOL BUS DROP OFF & PARENT DROP OFF NARRATIVE:

THE SCHOOL START AND END TIMES FOR PATRICK HENRY AND DOUGLAS MACARTHUR WILL BE OFFSET BY A MINIMUM OF 30 MINUTES WITH A REVERSE ONE-WAY CIRCULATION SCHEME. PATRICK HENRY SCHOOL BUSES WILL BE CONTINUE TO EXCLUSIVELY LOAD AND UNLOAD STUDENTS IN THE BUS LOOP IN THE NORTHERN PORTION OF THE SITE OFF N. LATHAM STREET. PATRICK HENRY SCHOOL PARENTS DROPPING-OFF OR PICKING-UP WILL UTILIZE A COUNTERCLOCKWISE OPERATION OF THE LOOP ROAD THAT CIRCLES THE OLD PATRICK HENRY SCHOOL BUILDING. DOUGLAS MACARTHUR ELEMENTARY SCHOOL BUSES WILL BE EXCLUSIVELY UTILIZE THE EXISTING BUS PULL-THROUGH IN THE SOUTHERN PORTION OF THE SITE OFF TANEY AVENUE. DOUGLAS MACARTHUR PARENT DROPPING-OFF OR PICKING-UP WILL USE A CLOCKWISE OPERATION OF THE LOOP ROAD THAT CIRCLES THE OLD PATRICK HENRY BUILDING. BOTH SCHEMES PROVIDE DIRECT ACCESS TO THE WEST PARKING LOT FOR THE RECREATION CENTER. DURING NO AM AND MIDDAY HOURS THE LOOP ROAD WILL OPERATE TWO-WAY.

Patrick Henry Future AM/PM Peak Hour -
Alternating One-way Circulation Plan (Assumes Staggered Start and End Times)



- TRAFFIC CONES
- ⚠ TRAFFIC CONTROLLER
- 👤 PICK-UP/DROP-OFF ASSISTANT OR FACULTY/STAFF

Douglas MacArthur Swing Space
Alexandria, VA



Douglas MacArthur Future AM/PM Peak Hour -
Alternating One-way Circulation Plan (Assumes Staggered Start and End Times)



- TRAFFIC CONES
- ⚠ TRAFFIC CONTROLLER
- 👤 PICK-UP/DROP-OFF ASSISTANT OR FACULTY/STAFF

Douglas MacArthur Swing Space
Alexandria, VA



APPROVED

Development Special Use Permit/Site Plan # 2016-0009

DEPARTMENT OF PLANNING & ZONING

DIRECTOR DATE

DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES

DIRECTOR DATE

CHAIRMAN, PLANNING COMMISSION DATE

DATE RECORDED

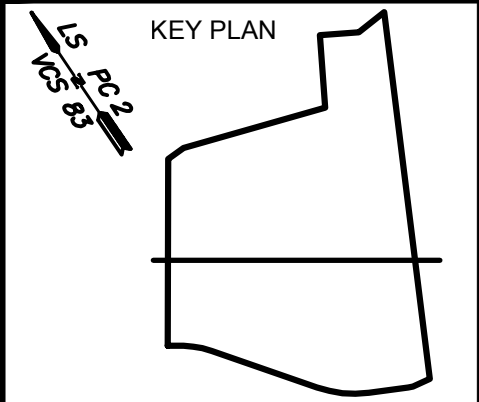
PATRICK HENRY PRE-K-8 SCHOOL
& RECREATIONAL FACILITY
4653 TANEY AVE, ALEXANDRIA, VA
SCHOOL BUS DROP AND PARENT DROP
OFF MAP & DETAILS

SCALE: 1" = 30'	DATE: 07/01/2019	PROJECT NUMBER: 1619.0001	PHASE INT
DRAWN BY: EC	CHECKED BY: CH	DRAWING NUMBER: C-258.03	



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NO.	DATE	DESCRIPTION	ISSUE
1.	07/18/2019	ISSUE PRELIMINARY	



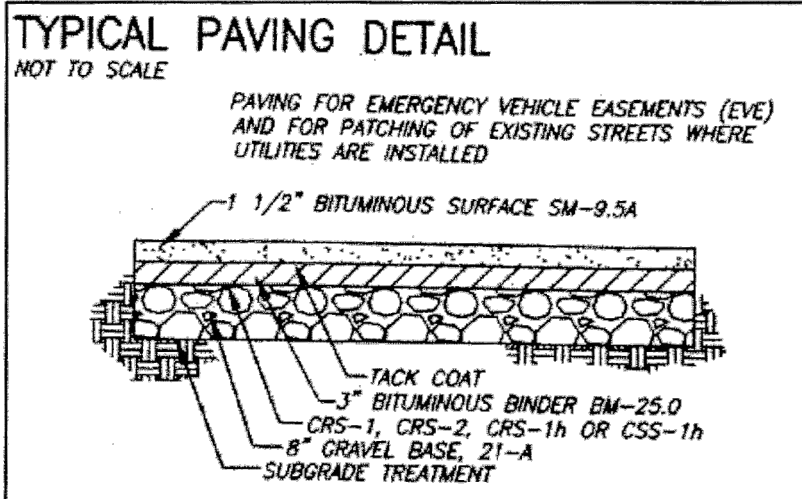
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CITY OF ALEXANDRIA

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Fairfax, Virginia 22030
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ASPHALT TYPICAL PAVING DETAIL NOTES:

1. THE CALIFORNIA BEARING RATIO (CBR) VALUES OF IN-SITU MATERIALS SHALL BE DETERMINED BY FIELD AND/OR LABORATORY TESTS FOR ACTUAL DETERMINATION OF REQUIRED THICKNESSES OF SURFACE, BASE, SUB-BASE, AND SUB GRADE MATERIALS. THE PAVEMENT SECTION SHALL BE DESIGNED BY A GEOTECHNICAL/LICENSED PROFESSIONAL ENGINEER TO THE SATISFACTION OF DIRECTOR, TRANSPORTATION AND ENVIRONMENTAL SERVICES FOR ALL PAVEMENTS INCLUDING EMERGENCY VEHICLE EASEMENT (EVE) TO SUPPORT H-20 LOADING. IN THE CASE OF PAVEMENT PATCHES, PAVEMENT SECTION MUST MEET OR EXCEED EXISTING SECTION.
2. THE THICKNESSES OF SUB-BASE, BASE, AND WEARING COURSE SHALL BE DESIGNED USING "CALIFORNIA METHOD" AS SET FORTH OF PAGE 3-76 OF THE SECOND EDITION OF A BOOK ENTITLED, "DATA BOOK FOR CIVIL ENGINEERS, VOLUME ONE, DESIGN" WRITTEN BY ELYNN E. SELBY, AN ALTERNATE PAVEMENT SECTION DESIGNED TO THE SATISFACTION OF DIRECTOR, TRANSPORTATION AND ENVIRONMENTAL SERVICES FOR ALL PAVEMENTS INCLUDING EMERGENCY VEHICLE EASEMENT (EVE) TO SUPPORT H-20 LOADING BASED ON CBR AND VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT) METHOD (VASMANI METHOD) AND STANDARD MATERIAL SPECIFICATIONS SHALL BE ACCEPTABLE.

ASPHALT TYPICAL PAVING DETAIL

(TO BE USED FOR PATCHING OF EXISTING STREETS WHERE UTILITIES ARE INSTALLED)
NO SCALE

CG-12

GENERAL NOTES:

1. THE DETECTABLE WARNING SHALL BE PROVIDED BY TRUNCATED DOMES.
2. DETECTABLE WARNING TO BE CLASS A-3 CONCRETE (CLASS A-4 PRECAST) WITH SUB-RESISTANT INTERIOR SURFACE COVERING THE FULL WIDTH OF THE RAMP FLOOR BY 2' FOOT IN LENGTH IN THE DIRECTION OF PEDESTRIAN TRAVEL. OTHER TYPES OF MATERIALS WITH THE TRUNCATED DOMES DETECTABLE WARNING MAY BE USED WITH THE APPROVAL OF THE ENGINEER.
3. SLOPING SIDES OF CURB RAMP MAY BE PROVIDED MONOTONICALLY WITH RAMP FLOOR OR BY USING PERMISSIBLE CONSTRUCTION JOINT WITH REQUIRED BARS.
4. IF RAMP FLOOR IS PRECAST, HOLES MUST BE PROVIDED FOR DOWEL BARS SO THAT ADJOINING FLARED SIDES CAN BE CAED IN PLACE AFTER PLACEMENT OF PRECAST RAMP FLOOR. PRECAST CONCRETE SHALL BE CLASS A-4.
5. REQUIRED BARS ARE TO BE NO. 5 X 8' PLACED CENTER TO CENTER ALONG BOTH SIDES OF THE RAMP FLOOR. MINIMUM DEPTH OF RAMP FLOOR MINIMUM CONCRETE COVER 12".
6. CURB / CURB AND GUTTER SLOPE TRANSITIONS ADJACENT TO CURB RAMP ARE INCLUDED IN PAYMENT FOR CURB / CURB AND GUTTER.
7. CURB RAMP ARE TO BE LOCATED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THEY ARE TO BE PROVIDED AT INTERSECTIONS WHEREVER AN ACCESSIBLE WALKWAY WITHIN THE RIGHT-OF-WAY OF A HIGHWAY, AVENUE, OR ROADWAY CANNOT BE MAINTAINED WITHIN THE SIDEWALK OR CROSSWALK OR WHERE THE CURE RAMP IS REQUIRED TO BE LOCATED WITHIN THE SIDEWALK OR CROSSWALK. THE CURE RAMP SHALL BE LOCATED BEHIND VEHICLE STOP LINES, EXISTING LIGHT POLES, FIRE HYDRANTS, POLES, ETC. ACCESSIBLE WALKWAYS PROVIDE A CONTINUED AND UNINTERRUPTED PATH FOR ALL ACCESSIBLE ELEMENTS OF A FACILITY THAT CAN BE APPROVED, EXTENDED AND USED BY PEDESTRIANS.
8. RAMP MAY BE PLACED ON RADIAL OR TANGENTIAL SECTIONS PROVIDED THAT THE OPERATIONS OF A VEHICLE WITHIN THE LIMITS OF THE CROSSWALK AND THAT THE SLOPE AT THE CONNECTION OF THE CURB OPENING IS PERPENDICULAR TO THE CURB.
9. TYPICAL CONCRETE SIDEWALK IS 4" THICK. WHEN THE ENTRANCE RAMP CANNOT ACCOMMODATE THE TURNING MOVEMENTS OF ANTICIPATED HEAVY TRUCK TRAFFIC REFER TO STANDARD CROSS COMMERCIAL ENTRANCE RAMP.
10. WHEN CURB RAMP ARE USED IN CONJUNCTION WITH A SHARED USE PATH, THE MINIMUM WIDTH SHALL BE THE WIDTH OF THE SHARED USE PATH.
11. WHEN ONLY ONE CURB RAMP IS PROVIDED FOR TWO CROSSINGS (DIAGONAL), THE CROSSWALK SHALL BE PROVIDED TO MINIMIZE A WHEELCHAIR INTO THE CROSSWALK WITHOUT GOING INTO THE TRAVELWAY. THIS 4' X 4' LANDING AREA MAY INCLUDE THE GUTTER PAVEMENT.
12. ALL CASES WHERE CURB RAMP INTERSECT A RADIAL SECTION OF CURB AT ENTRANCES OR STREET CONNECTIONS THE DETECTABLE WARNING SURFACE SHALL HAVE A FACTORY RADIUS OR BE FIELD ADJUSTED TO MATCH THE RADIUS OF THE CURB.

DETECTABLE WARNING INSTALLED ON A RADIUS

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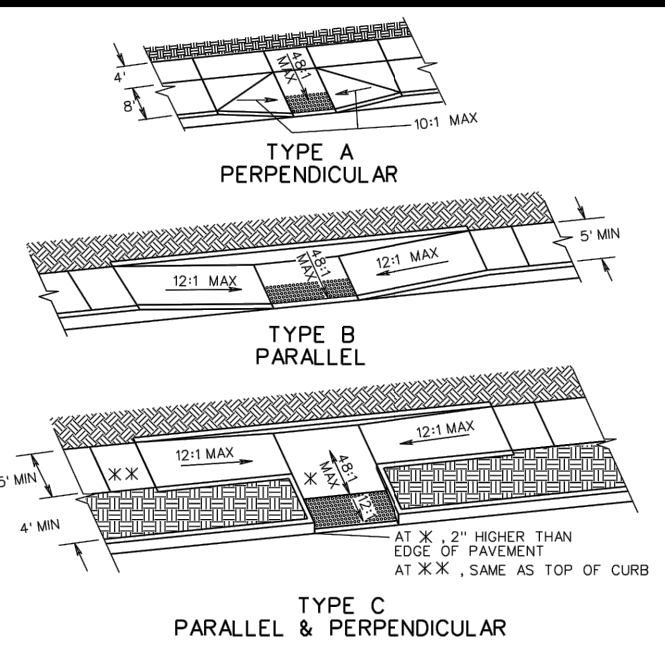
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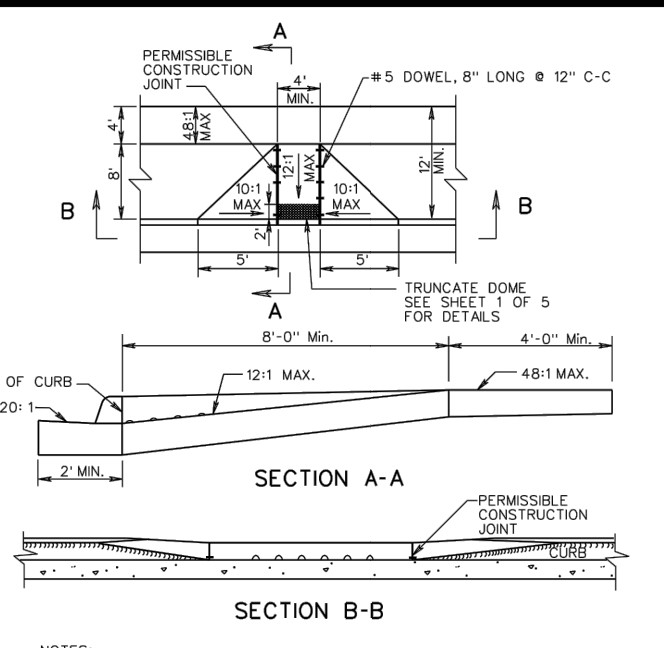
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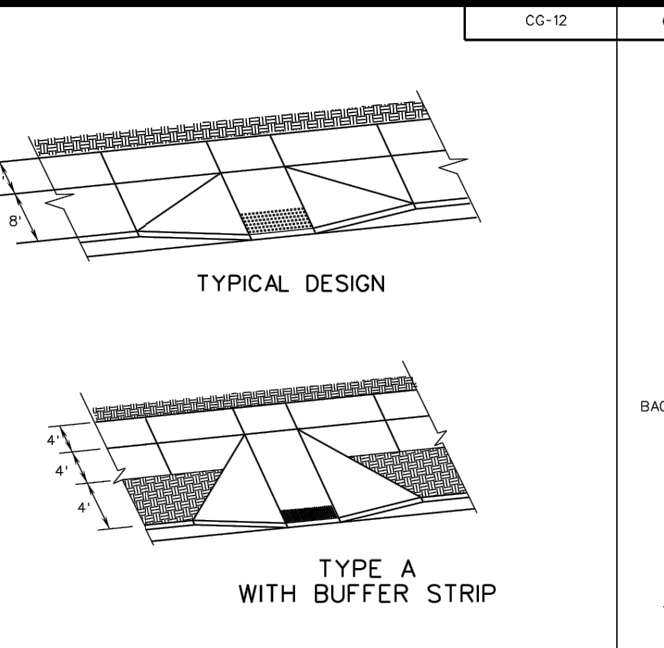
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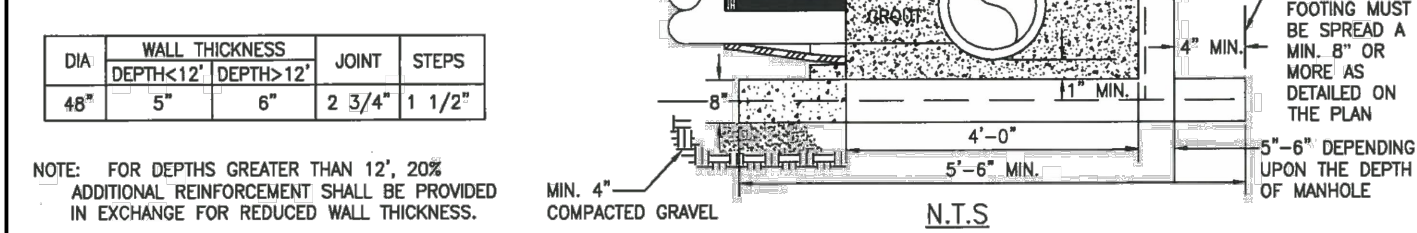
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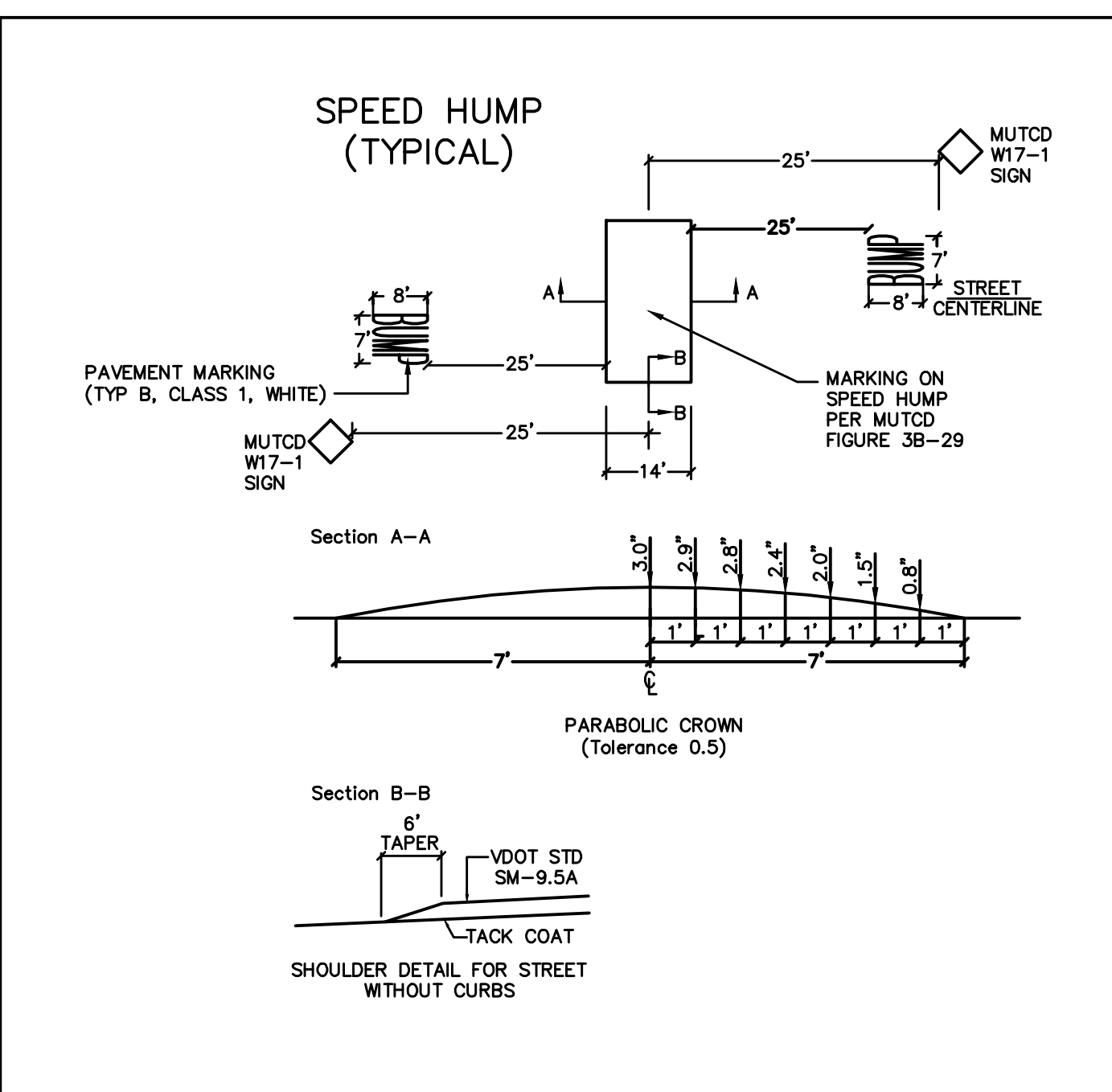
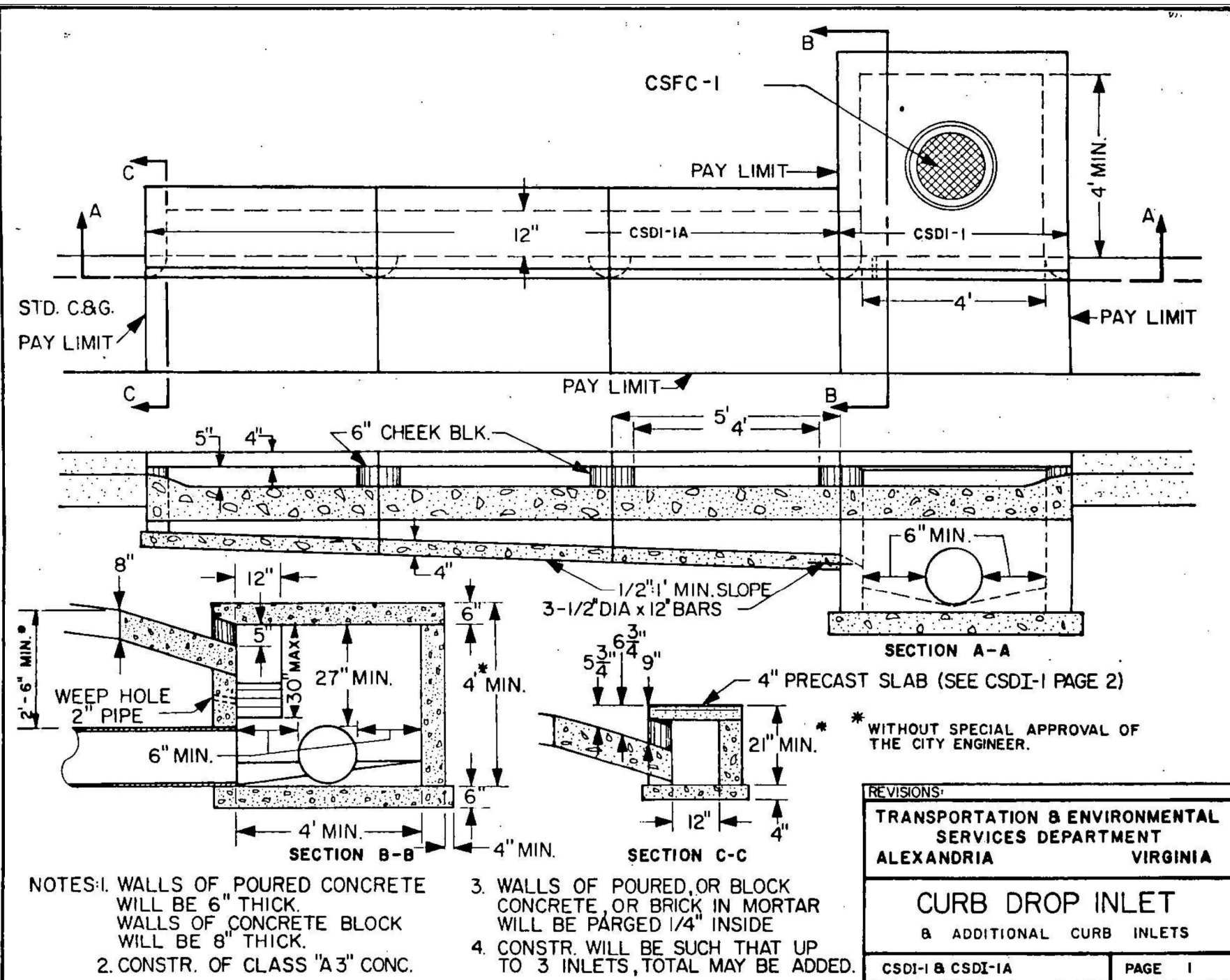
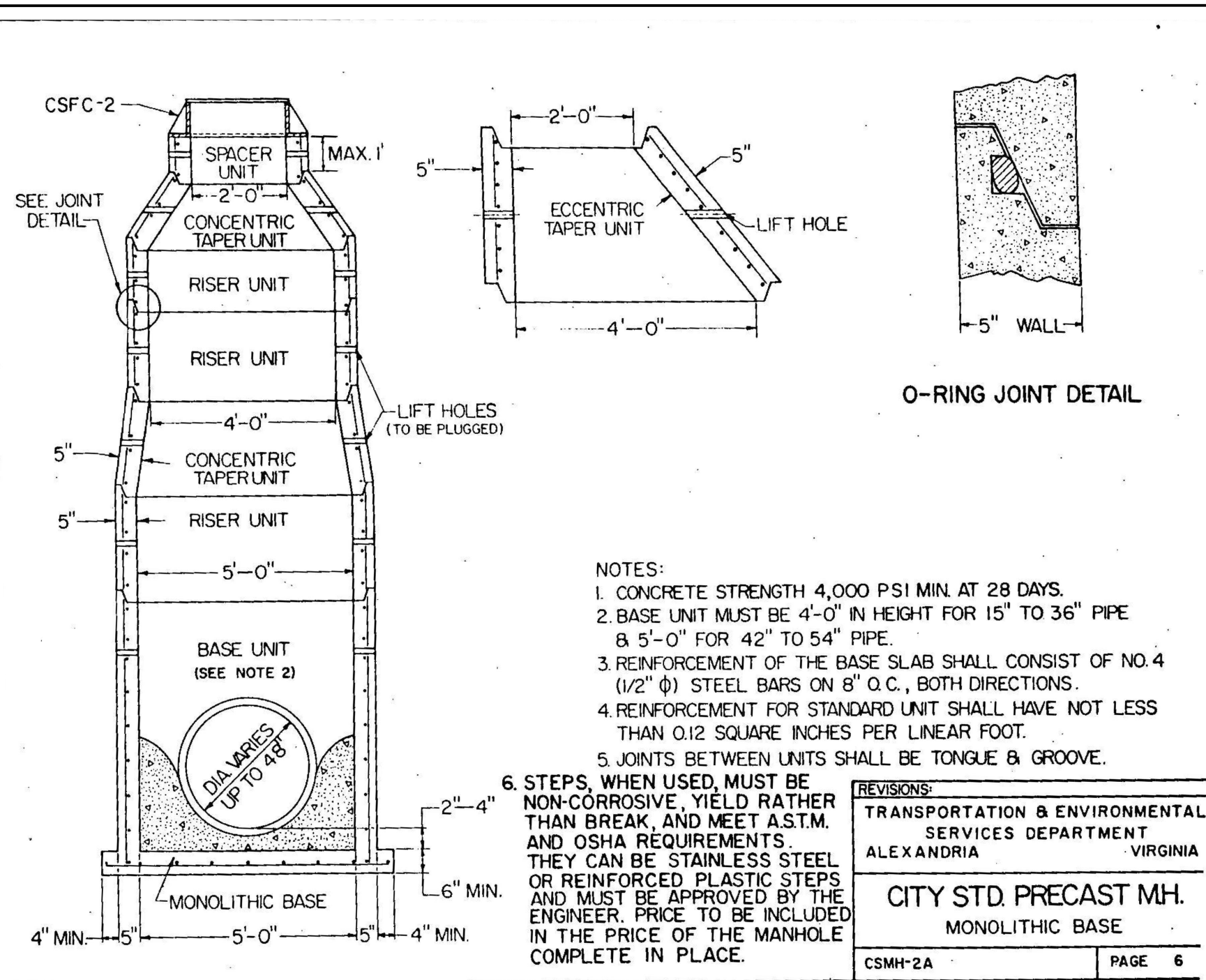
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- Diagram illustrating a joint configuration. The joint is formed by two components, one of which has a step. An offset rubber gasket is applied to the exterior side of the joint. The diagram labels the joint, the offset rubber gasket, the step, and the diameter inside the joint. A note specifies: PIONEER 301 MASTIC OR APPROVED EQUAL ON EXTERIOR SIDE OF JOINT (TYPICAL ALL PRECAST MANHOLES). A note on the right indicates: FLEXIBLE JOINT PER ASTM C506.



TYPICAL PRECAST CONCRETE MANHOLE 4'-0" INTERNAL DIAMETER		REVISION	DATE
APPROVED	DATE	□ CSMH-1 PAGE 17	
		DEPARTMENT OF TRANSPORTATION & ENVIRONMENTAL SERVICES ALEXANDRIA VIRGINIA	



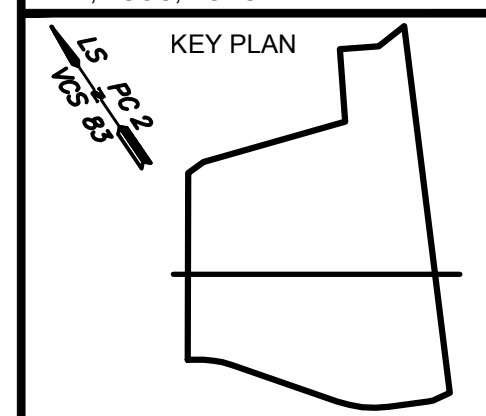
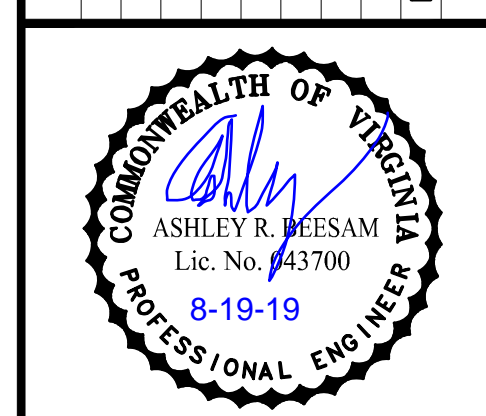
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PATRICK HENRY PRE-K-8 SCHOOL & RECREATIONAL FACILITY 4653 TANEY AVE, ALEXANDRIA, VA			
DETAILS - 2			
E.	1" = 30'	DATE:	07/01/2019
N	EC	CHECKED BY:	CH
		PROJECT NUMBER:	1619.0001
		DRAWING NUMBER:	

SCALE	DRAWN BY:
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I:\Proj\16190001 - Patrick Henry Drawings\16190001\DWG\Phase INT\C-2.60.01 DETAILS.dwg PLOTTED Aug 13, 2019

I:\Proj\16180001 - Patrick Henry Drawings\16190001\DWG\Phase INT\C-2.61.01_STM_COMP.dwg PLOTTED Aug 14, 2019

BMP#5 DRY SWALE GRADING DITCH CAPACITY ANALYSIS NARRATIVE:

THIS INTERMEDIATE (PHASE INT) PROJECT CONSISTS OF PROVING A TEMPORARY TWO-WAY DRIVE AISLE LOOP AROUND THE NORTH SIDE OF THE BUILDING ALONG WITH A PARKING LOT TO THE WEST OF THE EXISTING SCHOOL IN WHICH THE EXISTING SCHOOL WILL BE USED AS SWING SPACE FOR THE DOUGLAS MACARTHUR SCHOOL WHILE IT IS BEING RENNOVATED. THE PHASE 2 CONSTRUCTION OF THE PRE-K-8 SCHOOL WITH A RECREATIONAL FACILITY, BUS LOOP, PLAYGROUND AND FITNESS AREAS WITH ASSOCIATED PEDESTRIAN PATHWAYS AND ASSOCIATED UTILITIES WERE COMPLETED THIS SUMMER OF 2019 AND THE NEW SCHOOL IS FULLY OCCUPIED. THE STORM WATER QUALITY CONTROL (SWM) FOR PHASE 2 IS COMPRISED OF STORMTECH HDPE ARCH CHAMBERS SURROUNDED IN AN AGGREGATE TRENCH (SWM #1 FACILITY) WEST OF THE PHASE ULTIMATE SYNTHETIC FIELD WHICH PROVIDES 1, 2 AND 10-YEAR DETENTION OF THE PEAK POST-DEVELOPMENT FLOWS TO LESS THAN PEAK PRE-DEVELOPMENT FLOWS PER THE REQUIREMENTS SET FORTH IN THE ENVIRONMENTAL MANAGEMENT ORDINANCE (ARTICLE XIII OF THE CITY'S ZONING ORDINANCE) AS WELL AS PHOSPHORUS REMOVAL FOR BMP.

IN THE ULTIMATE PHASE, BMP#5 FACILITY HAS INFLOW FROM AN AREA OF 2.62 ACRES CONSISTING PRIMARILY OF THE ENTIRE SYNTHETIC TURF FIELD (IMPERVIOUS AREA) AND SOME PEDESTRIAN WALKWAYS AND IS DIRECTED TO OVERFLOW STORM STRUCTURE #45.

IN THE INTERMEDIATE PHASE (PHASE INT) BMP#5 FACILITY HAS INFLOW FROM AN AREA OF 2.86 ACRES CONSISTING OF THE TEMPORARY PHASE INT BUS LOOP EXTENSION, WESTERN PARKING LOT AND ASSOCIATED PEDESTRIAN WALKWAYS AND PLAYGROUND AREAS. THE COMPUTATIONS BELOW SHOW THAT THE DRAINAGE AREA TO THE BMP#5 FACILITY IS GREATER IN PHASE INT THAN IN PHASE ULTIMATE, HOWEVER, DUE TO THE FACT THE SYNTHETIC TURF FIELD AREA HAD A C-VALUE OF 0.90 (COMPLETELY IMPERVIOUS) THE 10-YEAR PHASE ULTIMATE RUNOFF RATES ARE GREATER THAT THE PHASE INT 10-YEAR RUNOFF RATE, THEREFORE THE PHASE ULTIMATE BMP#5 COMPUTATIONS FOR RUNOFF CONVEYANCE ARE SUFFICIENT FOR PHASE INT, SEE STORM & BMP COMPUTATIONS ON SHEETS C-4.02.09 THROUGH C-4.04.10.

PHASE ULTIMATE

BMP #5 DRAINAGE AREA:

AREA= 2.62 AC.
IMPERVIOUS AREA= 1.64 AC.
PERVIOUS AREA= 0.98 AC.
C-FACTOR=[(1.64x0.90)+(0.98x0.30)]/2.62= 0.68
Q10=0.68x7.0x2.62= 12.47 CFS

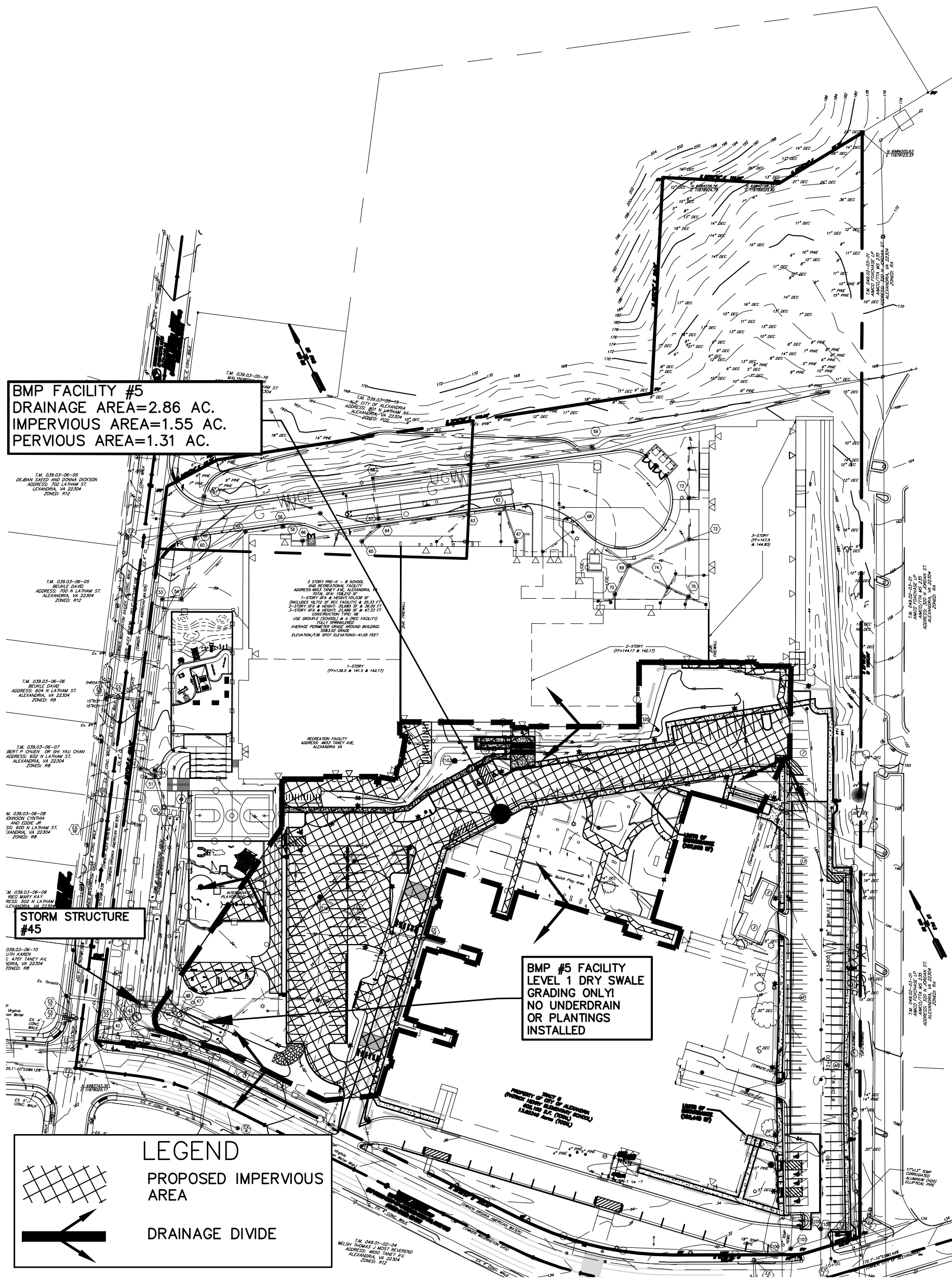
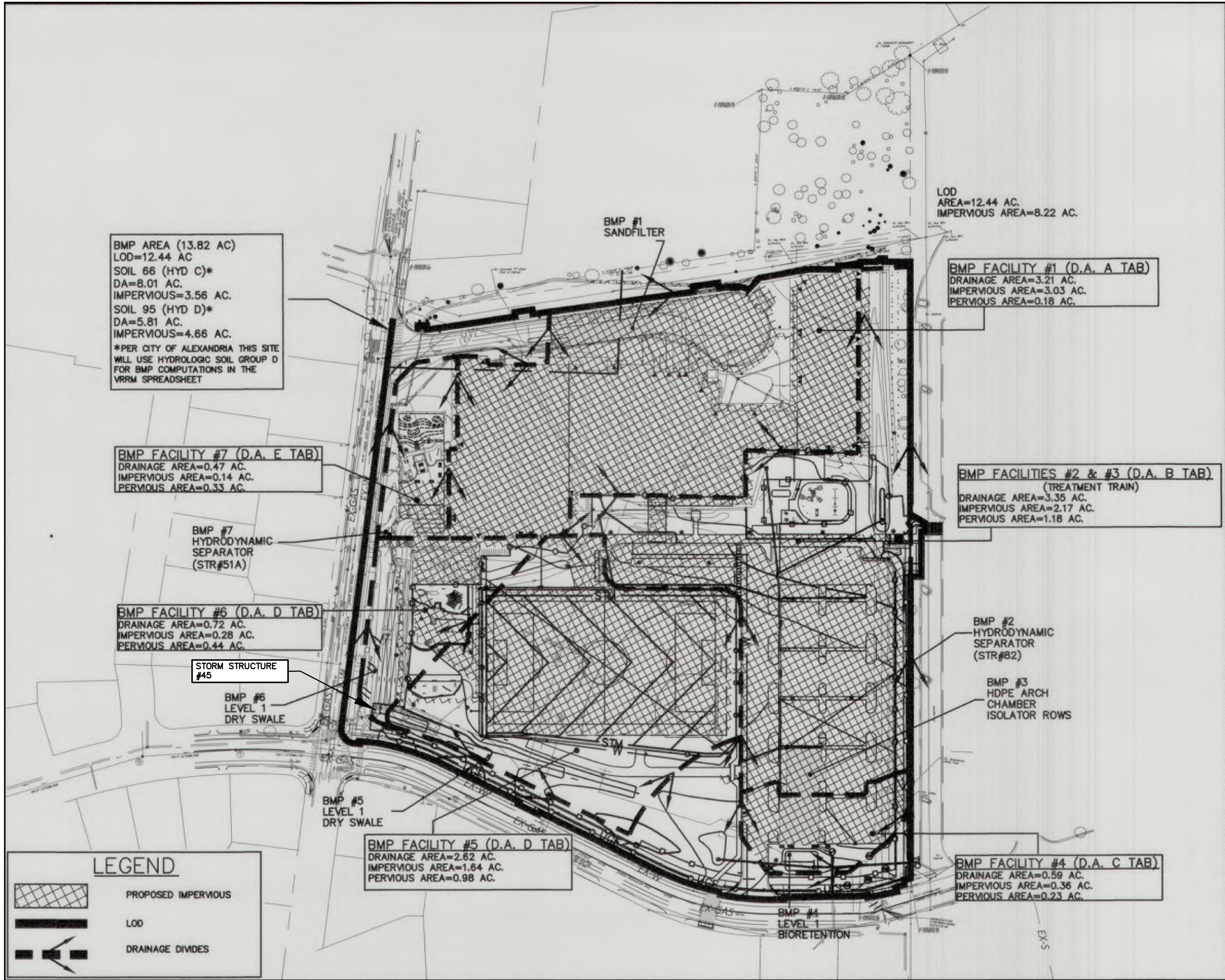
PHASE INT

BMP #5 DRAINAGE AREA:

AREA= 2.86 AC.
IMPERVIOUS AREA= 1.55 AC.
PERVIOUS AREA= 1.31 AC.
C-FACTOR=[(1.55x0.90)+(1.31x0.30)]/2.86= 0.62
Q10=0.62x7.0x2.86= 12.41 CFS

PHASE ULTIMATE
BMP DRAINAGE AREA MAP & PROPOSED IMPERVIOUS MAP
SCALE: 1" = 100'

PHASE INT
BMP DRAINAGE AREA MAP & PROPOSED IMPERVIOUS MAP
SCALE: 1" = 100'



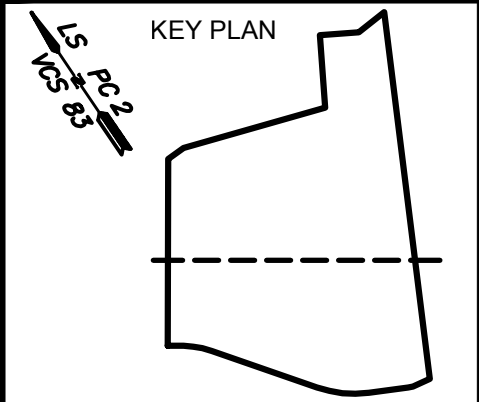
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PATRICK HENRY PRE-K-8 SCHOOL & RECREATIONAL FACILITY
4653 TANEY AVE, ALEXANDRIA, VA
STORM COMPUTATIONS

SCALE: 1" = 30'	DATE: 07/01/2019	PROJECT NUMBER: 1619.0001	PHASE INT
DRAWN BY: EC	CHECKED BY: CH	DRAWING NUMBER: C-2.60.01	

APPROVED
Development Special Use Permit/Site Plan # 2016-0009

DEPARTMENT OF PLANNING & ZONING

DIRECTOR _____ DATE _____

DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES

DIRECTOR _____ DATE _____

CHAIRMAN, PLANNING COMMISSION _____ DATE _____

DATE RECORDED _____

PHASE INT – STORMWATER MANAGEMENT NARRATIVE:

THIS INTERMEDIATE (PHASE INT) PROJECT CONSISTS OF PROVING A TEMPORARY TWO-WAY DRIVE AISLE LOOP AROUND THE NORTH SIDE OF THE BUILDING ALONG WITH A PARKING LOT TO THE WEST OF THE EXISTING SCHOOL IN WHICH THE EXISTING SCHOOL WILL BE USED AS SWING SPACE FOR THE DOUGLAS MACARTHUR SCHOOL WHILE IT IS BEING RENNOVATED. THE PHASE 2 CONSTRUCTION OF THE PRE-K-8 SCHOOL WITH A RECREATIONAL FACILITY, BUS LOOP, PLAYGROUND AND FITNESS AREAS WITH ASSOCIATED PEDESTRIAN PATHWAYS AND ASSOCIATED UTILITIES WERE COMPLETED THIS SUMMER OF 2019 AND THE NEW SCHOOL IS FULLY OCCUPIED. THE STORM WATER QUANTITY CONTROL (SWM) FOR PHASE 2 IS COMPRISED OF STORMTECH HDPE ARCH CHAMBERS SURROUNDED IN AN AGGREGATE TRENCH (SWM #1 FACILITY) WEST OF THE PHASE ULTIMATE SYNTHETIC FIELD WHICH PROVIDES 1, 2 AND 10-YEAR DETENTION OF THE PEAK POST-DEVELOPMENT FLOWS TO LESS THAN PEAK PRE-DEVELOPMENT FLOWS PER THE REQUIREMENTS SET FORTH IN THE ENVIRONMENTAL MANAGEMENT ORDINANCE (ARTICLE XIII OF THE CITY'S ZONING ORDINANCE).

IN THE ULTIMATE PHASE SWM#1 FACILITY HAS INFLOW FROM OFF-SITE (CONTROLLED) AREA OF 4.52 AC WHICH IS A FORESTED AREA CONSISTING OF LIGHT UNDERBRUSH WITH TREES AS WELL AS ON-SITE (CONTROLLED) AREA OF 8.81 AC CONSISTING OF THE BUS LOOP, SCHOOL/RECREATIONAL FACILITIES, INTERMEDIATE/RECREATIONAL PLAYGROUNDS AND SYNTHETIC TURF FIELD. DUE TO THIS LARGE AREA AND LAND SURFACE CONDITIONS, THE TIME OF CONCENTRATION (TC) WAS CALCULATED TO BE 10 MINUTES FROM SHEET FLOW, SHALLOW CONCENTRATED AND CONCENTRATED FLOWS, SEE MAP AND COMPUTATIONS ON SHEET C-4.03.02 AND THEREFORE WILL BE USED AS 1 YEAR, 2 YEAR, AND 10 YEAR STORM INTENSITIES OF 3.8, 5.0, AND 7.0 INCH/HR FROM THE CITY OF ALEXANDRIA IDF CURVE (SEE SHEET C-4.03.02)

IN THE INTERMEDIATE PHASE (PHASE INT) SWM#1 FACILITY HAS INFLOW FROM THE SAME OFF-SITE (CONTROLLED) AREA AS WELL AS ON-SITE (CONTROLLED) AREA OF 9.08 AC CONSISING OF THE BUS LOOP, SCHOOL/RECREATIONAL FACILITIES, INTERMEDIATE/RECREATIONS PLAYGROUNDS, FITNESS AREA, PHASE INT PARKING LOT AND TWO-WAY DRIVE AISLE LOOP AND EXISTING PLAYGROUND AREAS. THE COMPUTATIONS BELOW SHOW THAT THE DRAINAGE AREA TO THE SWM #1 FACILITY ARE GREATER IN PHASE INT THAN IN PHASE ULTIMATE, HOWEVER, DUE TO THE FACT THE SYNTHETIC TURF FIELD AREA HAD A C-VALUE OF 0.90 (COMPLETELY IMPERVIOUS) FOR THE ROUTING OF SWM #1 FACILITY, THE 1-YEAR, 2-YEAR AND 10-YEAR PHASE ULTIMATE RUNOFF RATES ARE GREATER THAT THE PHASE INT 1-YEAR, 2-YEAR AND 10-YEAR RUNOFF RATES, THEREFORE THE PHASE ULTIMATE SWM #1 COMPUTATIONS, ROUTING AND ADEQUATE OUTFALL ANALYSIS FOR OUTFALL #1 AT THE INTERSECTION OF NORTH LATHAM STREET AND TANAY AVENUE ARE SUFFICIENT FOR PHASE INT, SEE COMPUTATIONS AND ROUTINGS ON SHEETS C-4.03.01 THROUGH C-4.03.04.

PHASE ULTIMATE

SWM #1 (TC=10 MINUTES):

ON-SITE(CONTROLLED)
AREA= 8.81 AC.
IMPERVIOUS AREA= 5.44 AC.
PERVIOUS AREA= 3.37 AC.
C-FACTOR=[(5.44x0.90)+(3.37x0.30)]/8.81= 0.67
Q1=0.67x3.8x8.81= 22.43 CFS
Q2=0.67x5.0x8.81= 29.51 CFS
Q10=0.67x7.0x8.81= 41.31 CFS

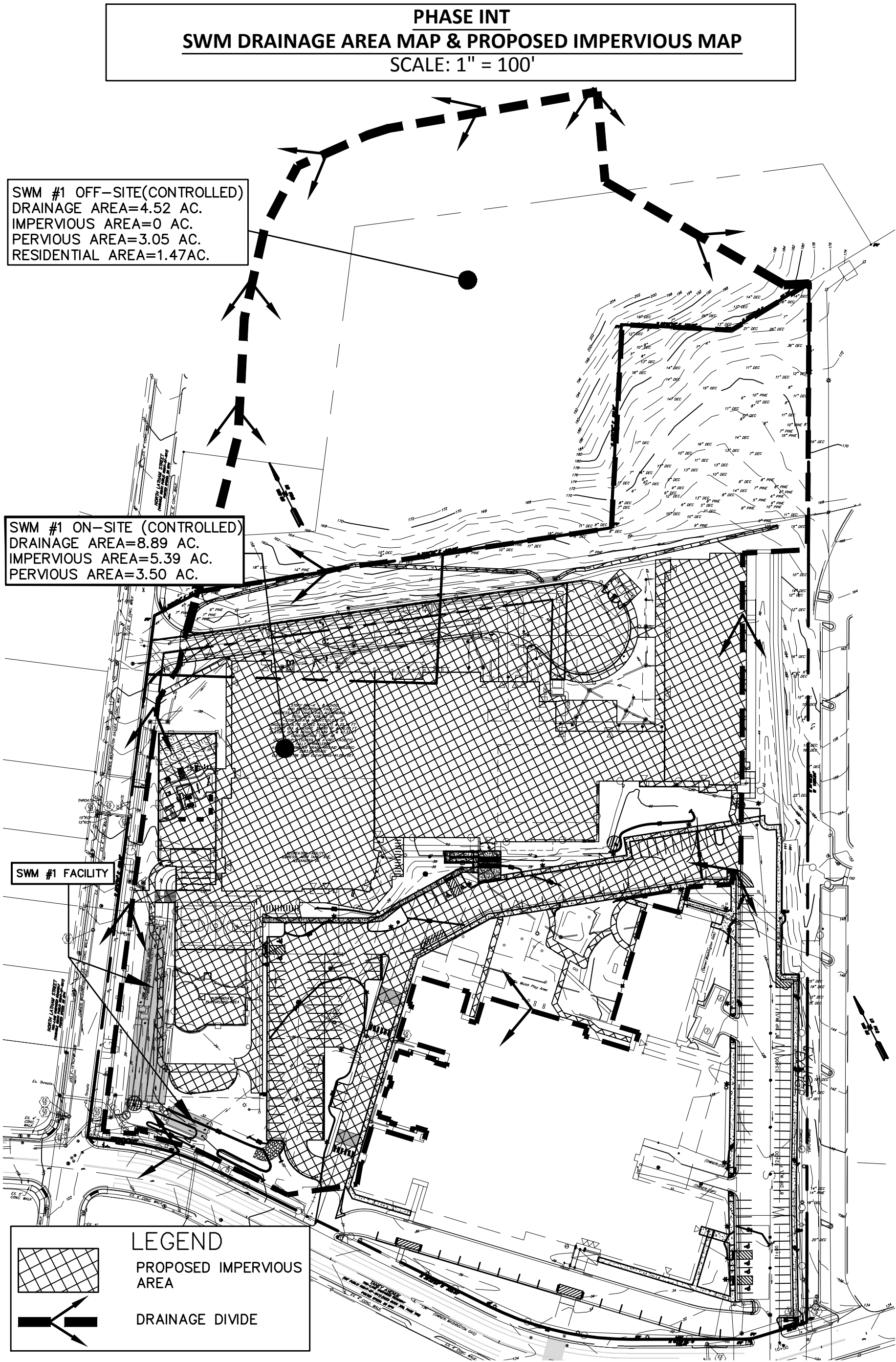
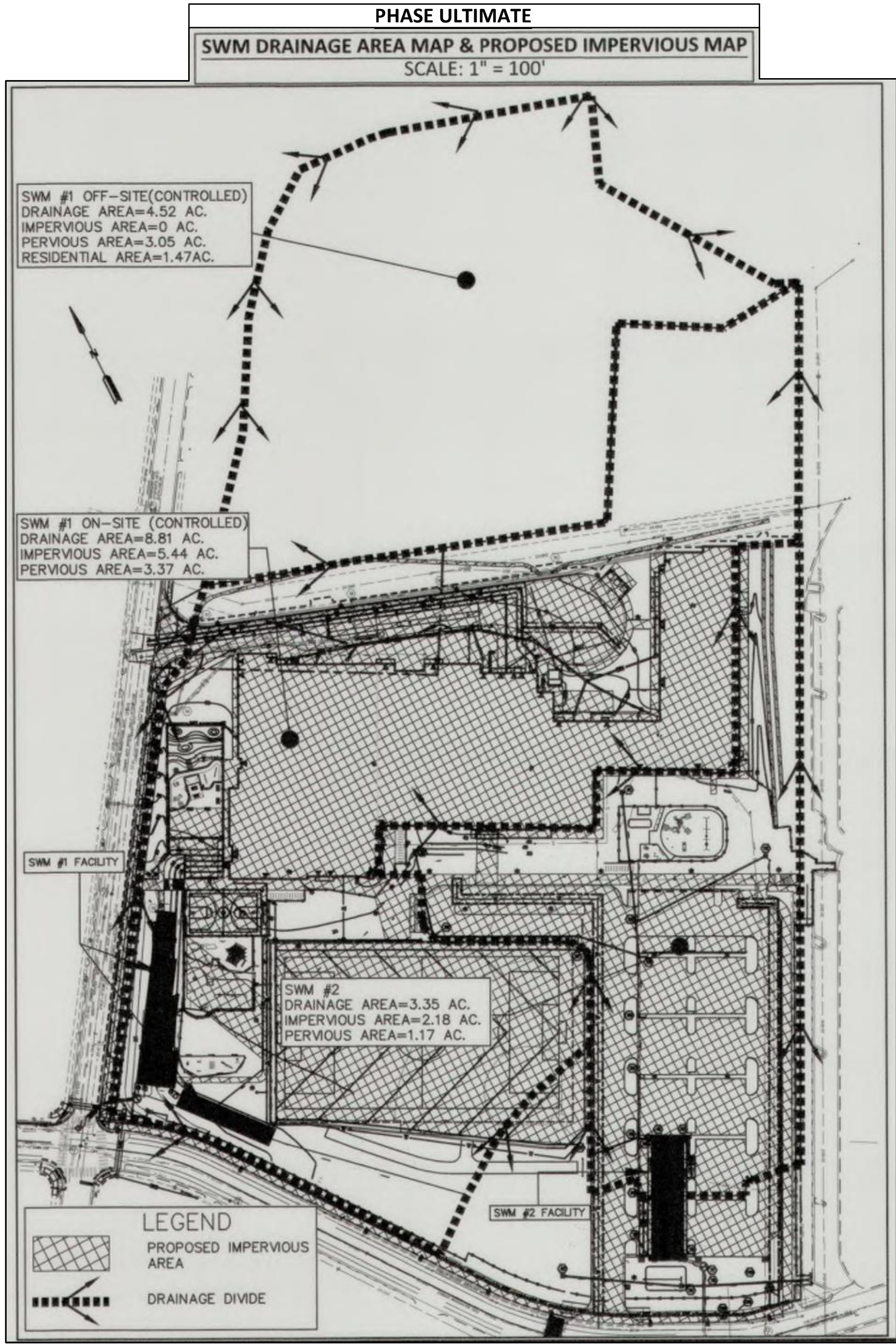
OFF-SITE(CONTROLLED)
AREA= 4.52 AC.
IMPERVIOUS AREA= 0 AC.
PERVIOUS AREA= 3.05 AC.
RESIDENTIAL & WOODS AREA= 1.47 AC.
C-FACTOR=[(3.05x0.3)(1.47x0.4)]/4.52= 0.33
Q1=0.33x3.8x4.52= 5.67 CFS
Q2=0.33x5.0x4.52= 7.46 CFS
Q10=0.33x7.0x4.52= 10.44 CFS

PHASE INT

SWM #1 (TC=10 MINUTES):

ON-SITE(CONTROLLED)
AREA= 8.89 AC.
IMPERVIOUS AREA= 5.39 AC.
PERVIOUS AREA= 3.50 AC.
C-FACTOR=[(5.39x0.90)+(3.50x0.30)]/9.02= 0.66
Q1=0.66x3.8x8.89= 22.42 CFS
Q2=0.66x5.0x8.89= 29.50 CFS
Q10=0.66x7.0x8.89= 41.29 CFS

OFF-SITE(CONTROLLED)
AREA= 4.52 AC.
IMPERVIOUS AREA= 0 AC.
PERVIOUS AREA= 3.05 AC.
RESIDENTIAL & WOODS AREA= 1.47 AC.
C-FACTOR=[(3.05x0.3)(1.47x0.4)]/4.52= 0.33
Q1=0.33x3.8x4.52= 5.67 CFS
Q2=0.33x5.0x4.52= 7.46 CFS
Q10=0.33x7.0x4.52= 10.44 CFS



APPROVED

Development Special Use Permit/Site Plan # 2016-0009

DEPARTMENT OF PLANNING & ZONING

DIRECTOR DATE

DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES

DIRECTOR DATE

CHAIRMAN, PLANNING COMMISSION DATE

DATE RECORDED

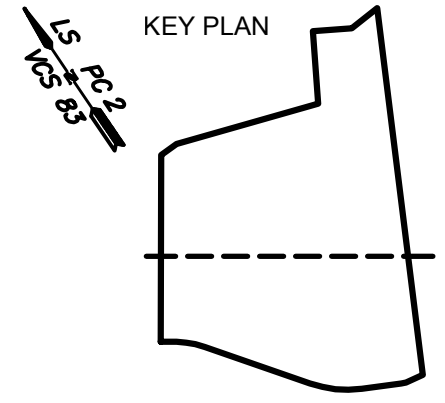
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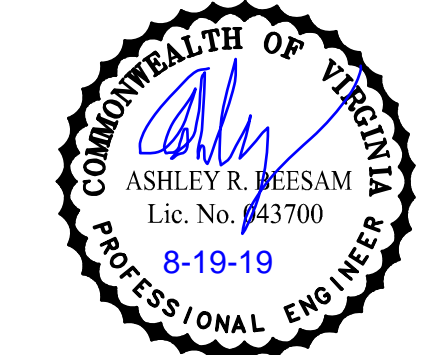
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PATRICK HENRY PRE-K-8 SCHOOL
& RECREATIONAL FACILITY
4653 TANAY AVE, ALEXANDRIA, VA
STORMWATER MANAGEMENT AND
ADEQUATE OUTFALL ANALYSIS - 1

SCALE: AS NOTED
DRAWN BY: EC
CHECKED BY: CH
DATE: 07/01/2019
PROJECT NUMBER: 1619.0001
DRAWING NUMBER: C-2.60.02
PHASE INT

GENERAL NOTES

FOUNDATION

LATERAL WALL LOADS (EQUIVALENT FLUID PRESSURE)

CANTILEVERED RETAINING WALLS: 45 PSF PER FOOT OF DEPTH.

ALLOWABLE SOIL BEARING VALUE

3000 POUNDS PER SQUARE FOOT FOR COLUMN AND WALL FOOTINGS.

SUBSURFACE INVESTIGATION

SUBSURFACE INVESTIGATION AND REPORT BY ECS MID-ATLANTIC, LLC

TELEPHONE NO: 301-645-6472 REPORT NO: 01:24129-A
GEOTECHNICAL REPORT DATED: SEPTEMBER 2, 2016

ALL FOUNDATION WORK AND SOIL COMPACTION SHALL BE IN STRICT ACCORDANCE WITH THE GEOTECHNICAL REPORT FOR THE PROJECT.

ALL SPREAD FOOTINGS SHALL EXTEND MINIMUM 1' 0" INTO UNDISTURBED SOIL OR SHALL BEAR ON COMPACTED STRUCTURAL FILL. PLACE THE FILL REQUIRED TO BRING THE SUBGRADE TO THE PROPER ELEVATION PRIOR TO INSTALLING THE FOUNDATION.

THE BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 2'-0" BELOW THE FINISHED EXTERIOR GRADE UNLESS NOTED OTHERWISE.

THE ELEVATION AT THE TOP OF FOOTINGS SHALL NOT BE HIGHER THAN INDICATED ON THE FOUNDATION PLAN, NOTES AND SECTIONS. THE FOOTING ELEVATIONS SHOWN ON THE DRAWINGS ARE FOR ESTIMATION PURPOSES ONLY. LOWER THE FOOTING ELEVATIONS, IF REQUIRED, TO ACHIEVE THE REQUIRED DESIGN BEARING CAPACITY OR FOR COORDINATION WITH UTILITIES.

THE FINAL SOIL BEARING CAPACITY AND FOUNDATION SUBGRADES SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL INSPECTOR OR THE ALEXANDRIA CITY INSPECTOR PRIOR TO THE CONCRETE FOOTING INSTALLATION. THE CONTRACTOR SHOULD TAKE NOTE OF ANY WATER CONDITIONS AT THE SITE. FOUNDATION SUBGRADES SHALL REMAIN DRY DURING CONSTRUCTION.

STRUCTURAL CONCRETE

REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60. DETAILING SHALL BE IN ACCORDANCE WITH ACI MANUAL 315 AND STANDARD 318.

CONCRETE SHALL BE NORMAL WEIGHT. DESIGN COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE AS FOLLOWS:

4000 PSI: BASEMENT WALLS, RETAINING WALLS

MAXIMUM AGGREGATE SIZE FOR CONCRETE SHALL BE IN ACCORDANCE WITH THE MAXIMUM AGGREGATE SIZES IN ACI 318 AND AS FOLLOWS:

FOOTINGS 1-1/2"
CONCRETE WALLS 3/4"

ALL EXTERIOR CONCRETE AND CONCRETE EXPOSED TO WEATHER SHALL BE AIR ENTRAINED.

CONCRETE AIR CONTENT, SLUMP AND WATER/CEMENT RATIOS SHALL BE AS FOLLOWS:

AIR ENTRAINMENT: 6% +/- 1% OF THE TOTAL CONCRETE VOLUME
CONCRETE SLUMP: 3" +/- 1"
8" AFTER ADDITION OF HRWR AT THE SITE
WATER/CEMENT RATIO: 0.50 FOR EXTERIOR CONCRETE

THE USE OF ADDITIVES SHALL NOT BE PERMITTED UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER THE USE OF ADDITIVES CONTAINING CALCIUM CHLORIDE SHALL NOT BE PERMITTED.

PROVIDE A HIGH RANGE WATER REDUCER (HRWR OR SUPERPLASTICIZER) FOR PUMPED CONCRETE AND AS REQUIRED FOR WORKABILITY.

GENERAL NOTES, CONTINUED

ALL REINFORCING STEEL MARKED "CONTINUOUS" SHALL BE LAPPED AS REQUIRED WITH CLASS B TENSION SPLICES PER ACI 315. PROVIDE CLASS B TENSION SPLICES AT WALL CORNERS AND INTERSECTIONS WITH STANDARD 90 DEGREE BENT CORNER BARS. INCLUDING CORNERS OF WALL FOOTINGS AND BOND BEAMS. LAP WELDED WIRE MESH ONE FULL MESH AT SIDE AND END LAPS. PROVIDE CORNER LAP BARS AT ALL LONGITUDINAL FOOTING REINFORCING AS WELL AS AT ALL HORIZONTAL WALL REINFORCING.

ALL TENSION SPLICES IN THE REINFORCING STEEL, UNLESS NOTED OTHERWISE, SHALL HAVE A MINIMUM LAP DISTANCE AS FOLLOWS:

BAR SIZE	MINIMUM CLASS B TOP BARS	TENSION LAP SPlice OTHER BARS
#3	21"	16"
#4	28"	22"
#5	35"	27"
#6	42"	32"
#7	49"	38"
#8	56"	43"

PROVIDE CONCRETE PROTECTION FOR REINFORCING AS FOLLOWS:

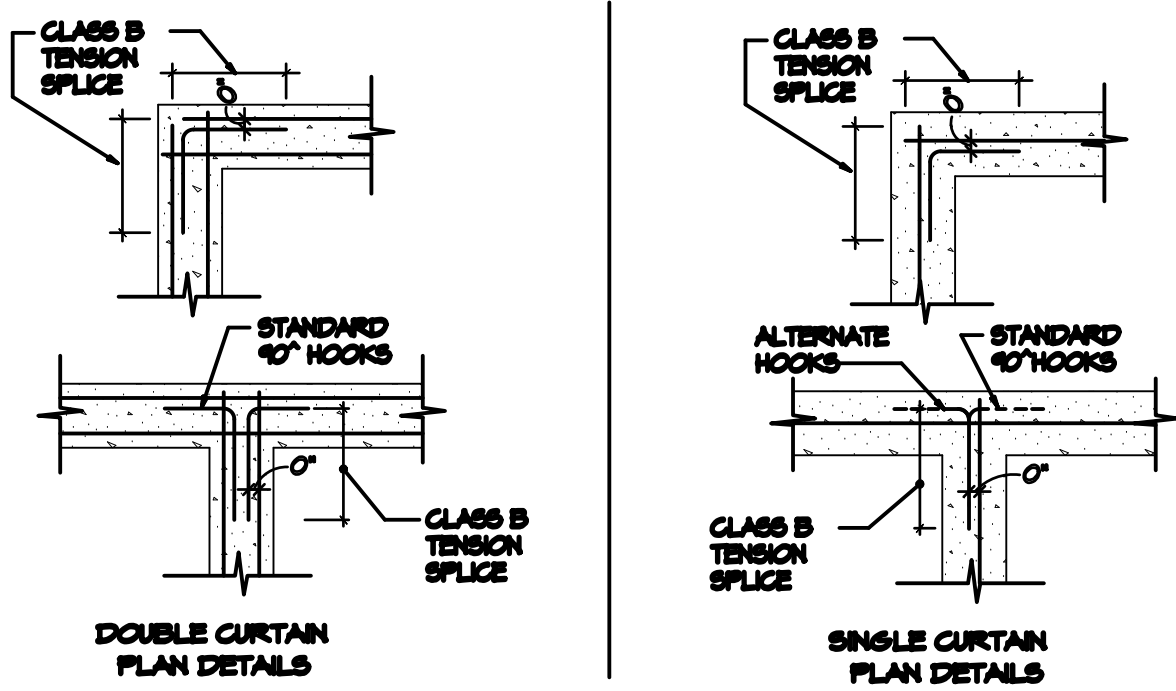
FOOTINGS: 3"
WALLS: OUTSIDE FACE 2"
 INSIDE FACE 1"

ALL CONCRETE WORK, REINFORCING PLACEMENT FORMWORK AND SHORING SHALL BE INSPECTED UNDER THE SUPERVISION OF THE ALEXANDRIA CITY INSPECTOR OR SPECIAL INSPECTOR. CONCRETE QUALITY CONTROL, INSPECTION AND TESTING SHALL BE IN STRICT ACCORDANCE WITH ACI 301 AND THE LOCAL BUILDING CODE REQUIREMENTS.

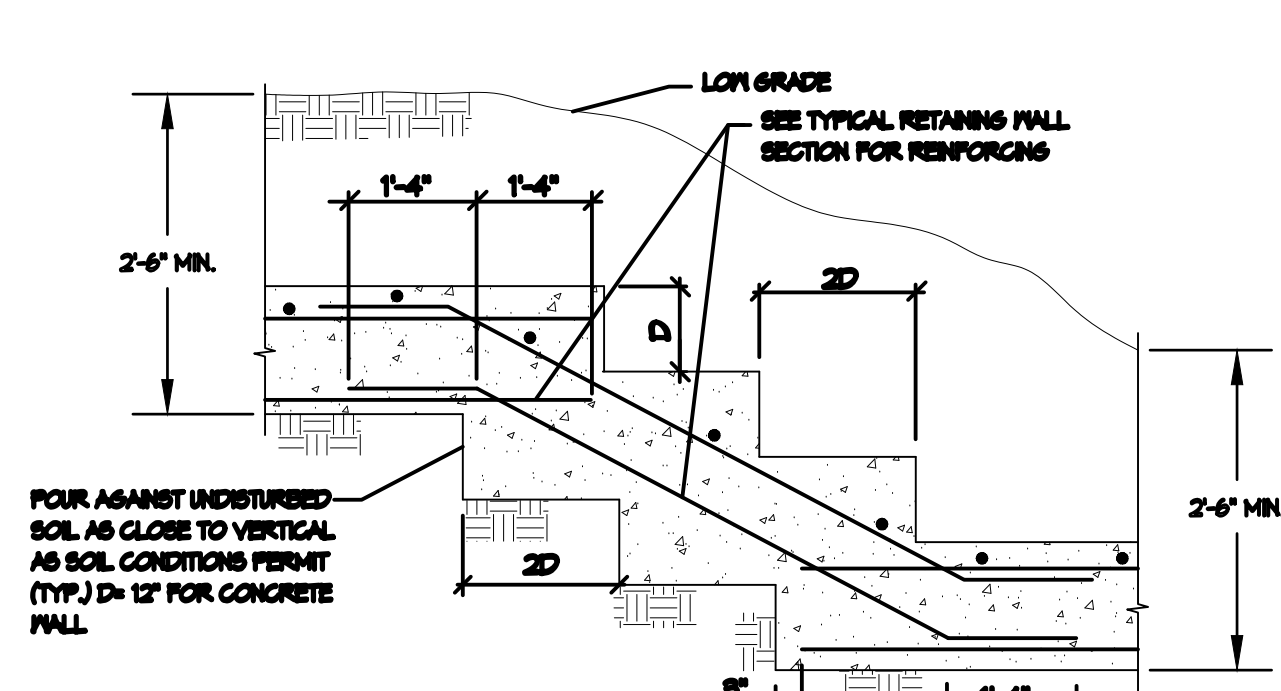
CONSTRUCTION PRACTICES:

WET STICKING OF DOWELS INTO THE FOOTING WILL NOT BE ACCEPTED. DOWELS SHOULD BE PROPERLY PLACED AND TIED TO LONGITUDINAL FOOTING REINFORCING IN ACCORDANCE WITH CRSI.

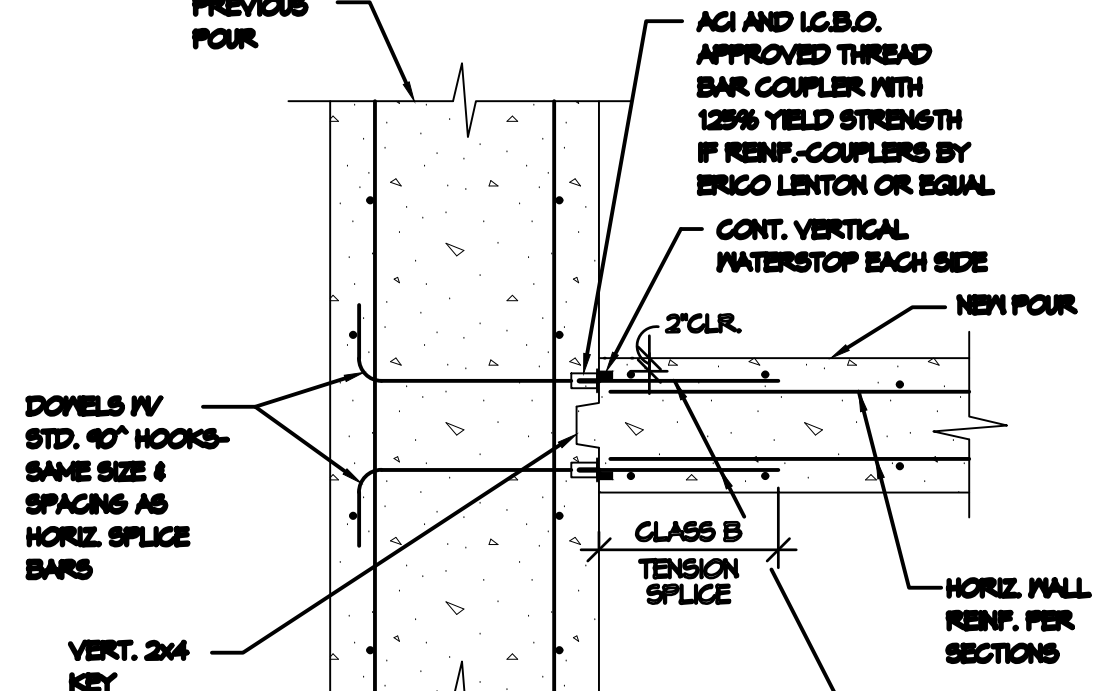
THE SPECIAL INSPECTOR SHALL PERFORM A MINIMUM OF ONE CONCRETE TEST FOR EACH 50 CUBIC YARDS OF CONCRETE POURED AT THE PROJECT WITH AT LEAST ONE TEST FOR EACH DAY THAT CONCRETE IS POURED. EACH CONCRETE TEST SHALL INCLUDE A SLUMP TEST AND FIVE LABORATORY CURED TEST CYLINDERS FOR COMPRESSIVE STRENGTH TESTS. TEST TWO CYLINDERS AT 7 DAYS AFTER THE CONCRETE POUR AND TWO AT 28 DAYS WITH ONE RESERVE CYLINDER. THE SPECIAL INSPECTOR SHALL SUBMIT WRITTEN TEST REPORTS TO THE PROJECT ARCHITECT AND STRUCTURAL ENGINEER. THE ARCHITECT AND STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ALL TESTS THAT DO NOT MEET THE PROJECT SPECIFICATIONS WITHIN 24 HOURS.



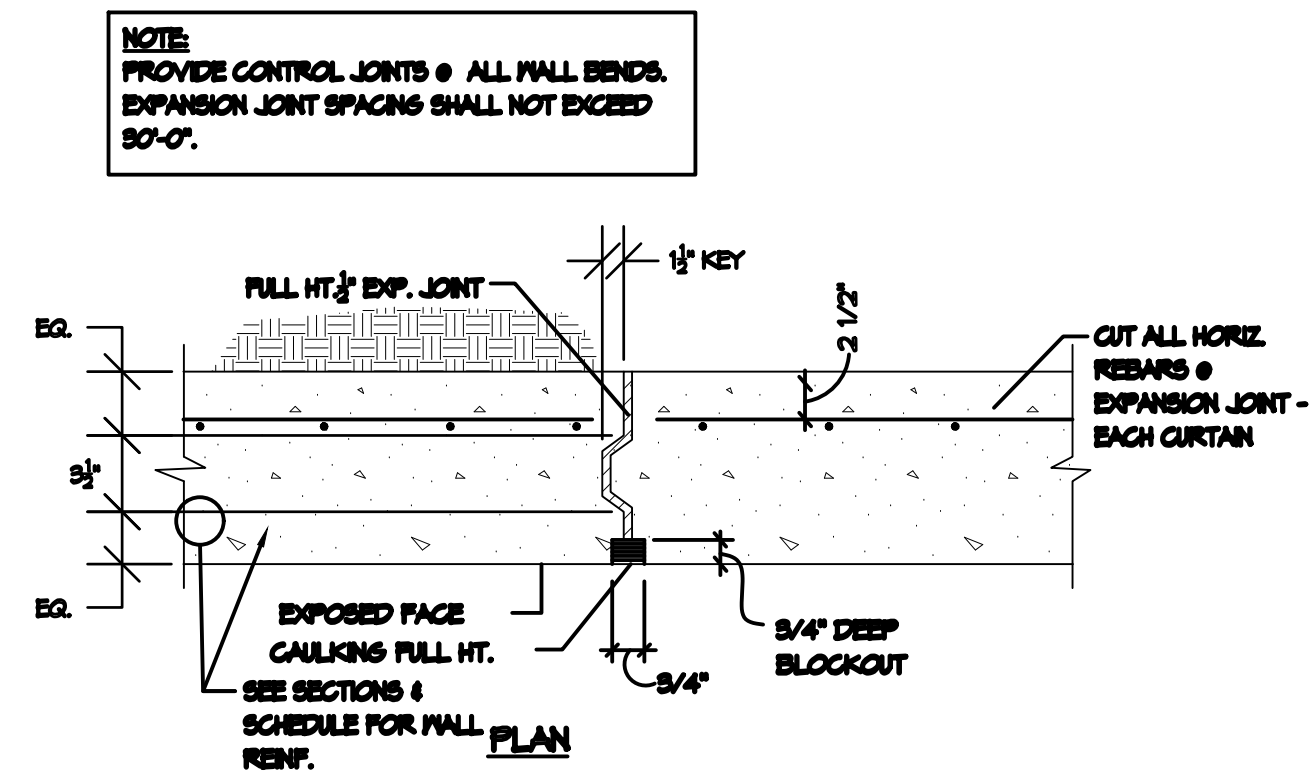
3
C-19C
TYPICAL CONCRETE WALL CORNER & INTERSECTION REINFORCING DETAILS
SCALE: NOT TO SCALE



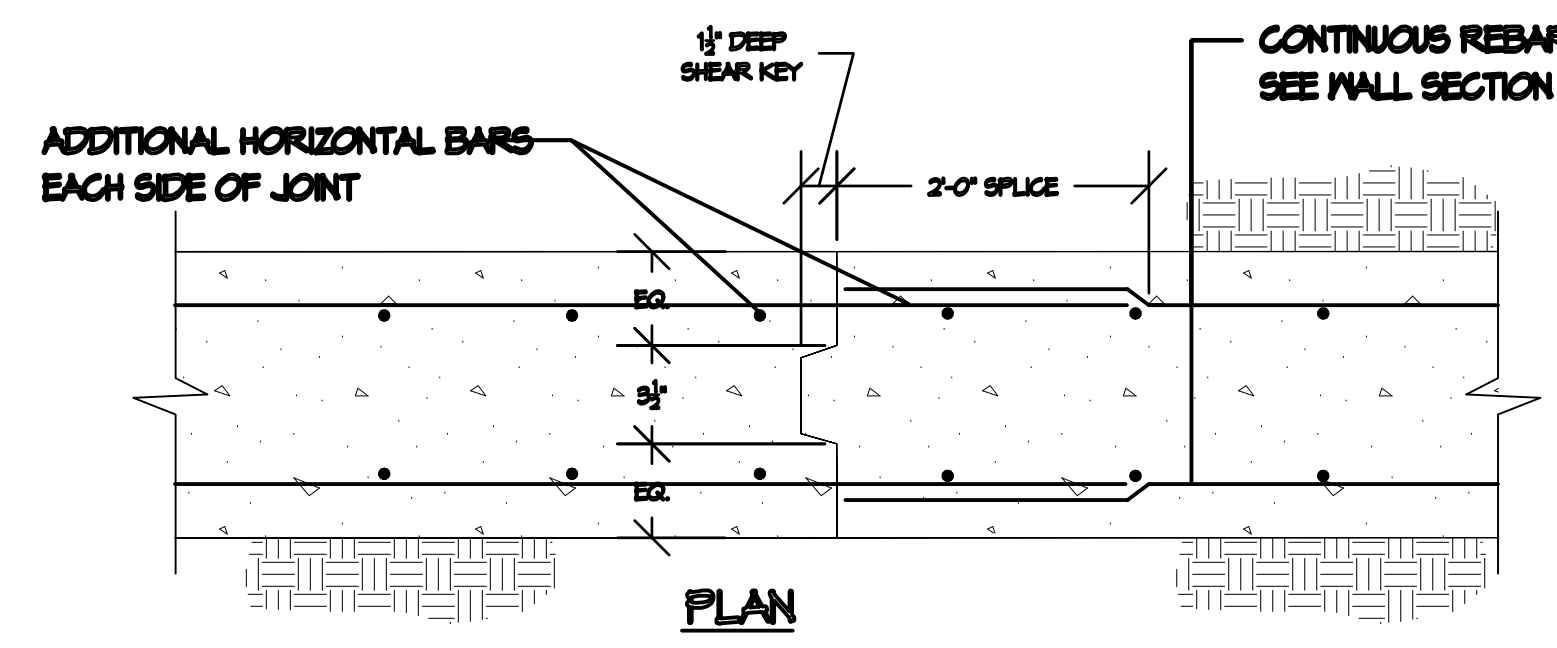
3
C-19C
TYPICAL STEPPED WALL FOOTING DETAIL
SCALE: NOT TO SCALE



3
C-19C
TYPICAL CONCRETE WALL CORNER & INTERSECTION REINFORCING DETAILS
SCALE: NOT TO SCALE



3
C-19C
TYPICAL CONCRETE WALL EXPANSION JOINT DETAIL
SCALE: NOT TO SCALE



3
C-19C
TYPICAL CONCRETE FOOTING CONSTRUCTION JOINT SECTION
SCALE: NOT TO SCALE

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CIVIL, STRUCTURAL, SPECIALTY ENGINEERING & LANDSCAPE ARCHITECTURE

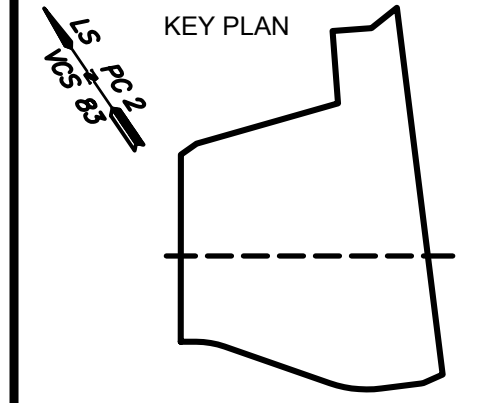
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COMMONWEALTH OF VIRGINIA

ASHLEY R. BEESAM
Lic. No. 443700
8-19-19
PROFESSIONAL ENGINEER

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PATRICK HENRY PRE-K-8 SCHOOL
& RECREATIONAL FACILITY
4653 TANEY AVE, ALEXANDRIA, VA
RETAINING WALL #10 DETAILS

SCALE: NTS
DRAWN BY: EC

DATE: 07/01/2019
PROJECT NUMBER: 1619.0001

PHASE INT
DRAWING NUMBER: C-2.61.01

APPROVED

Development Special Use Permit/Site Plan # 2016-0009

DEPARTMENT OF PLANNING & ZONING

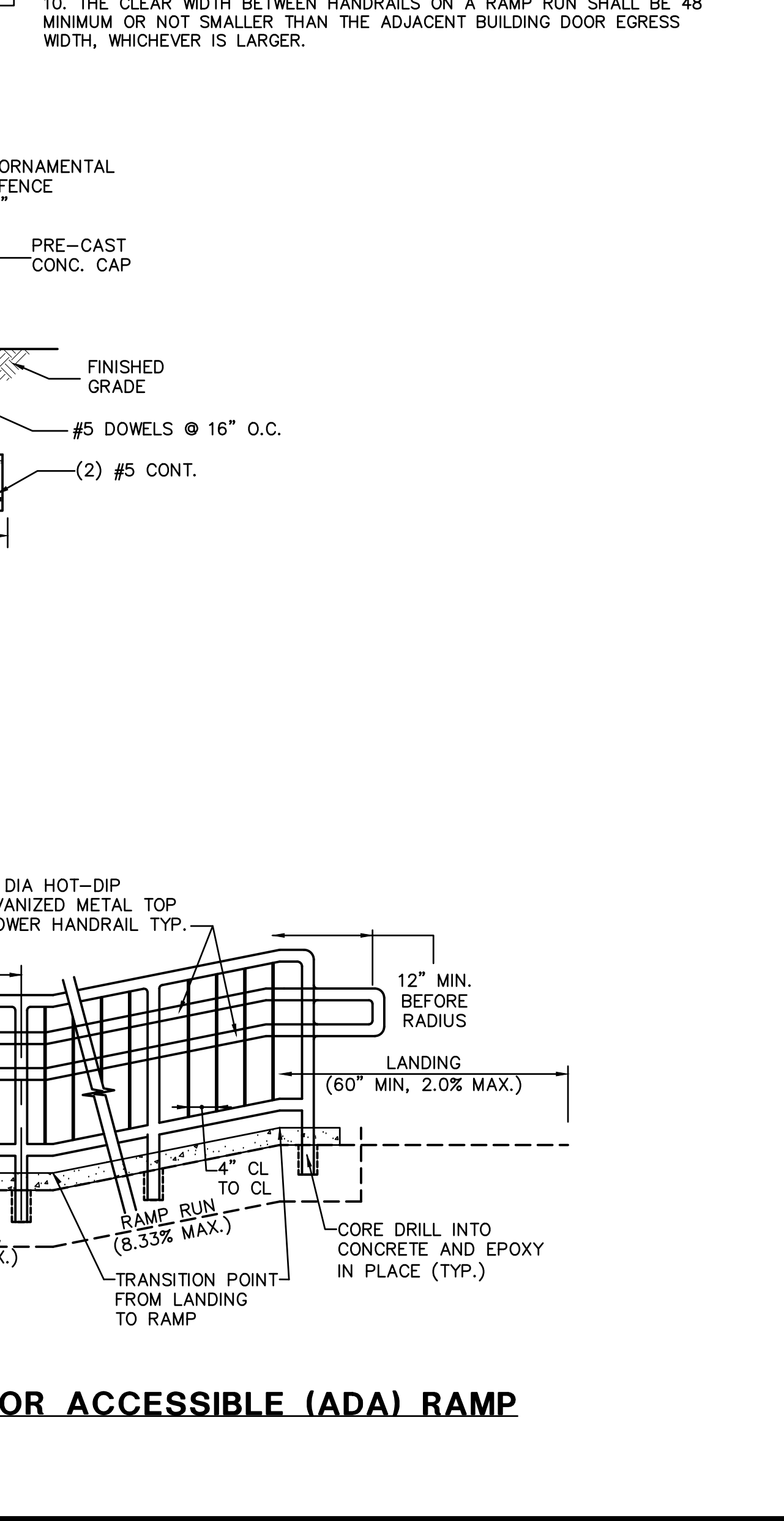
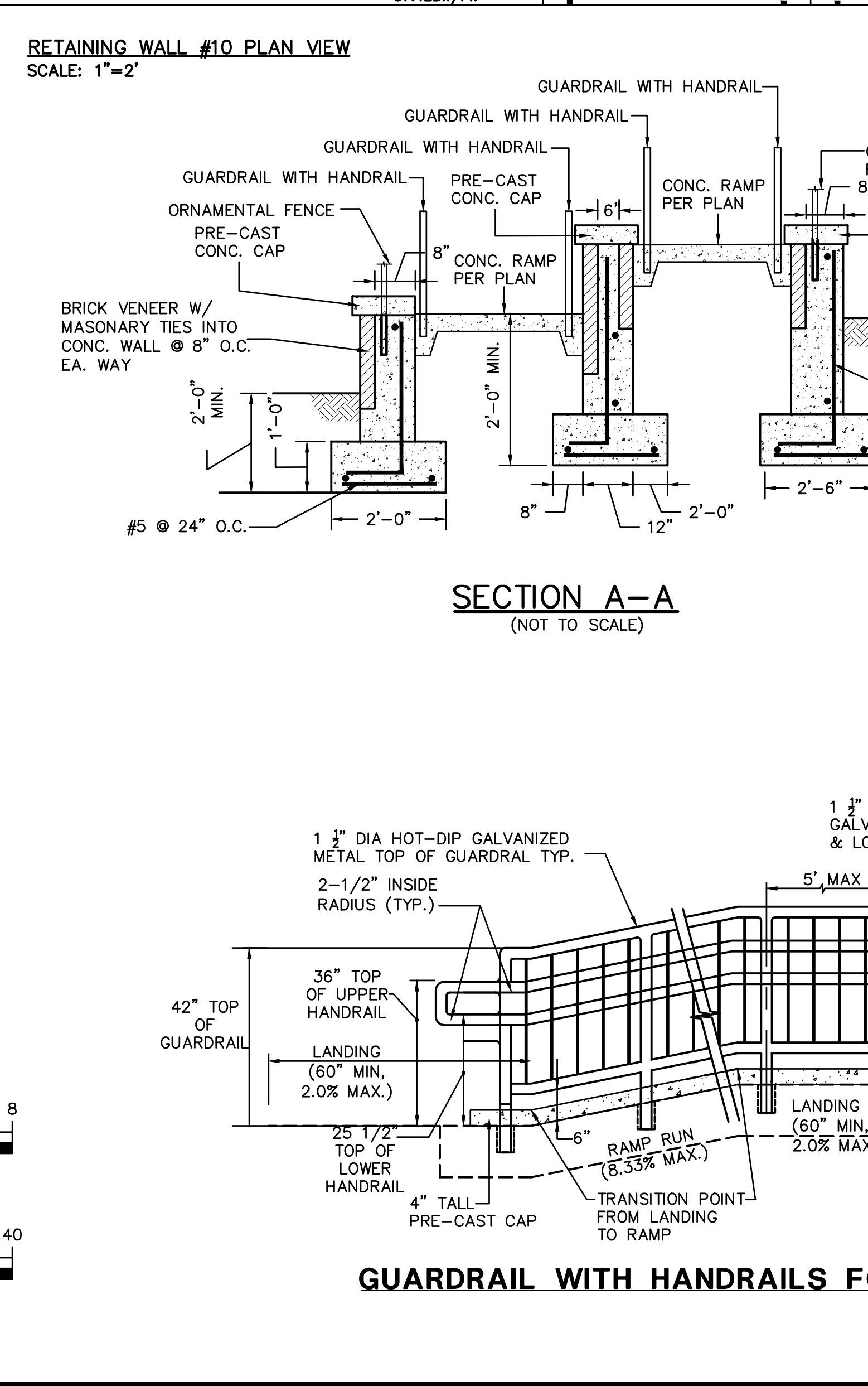
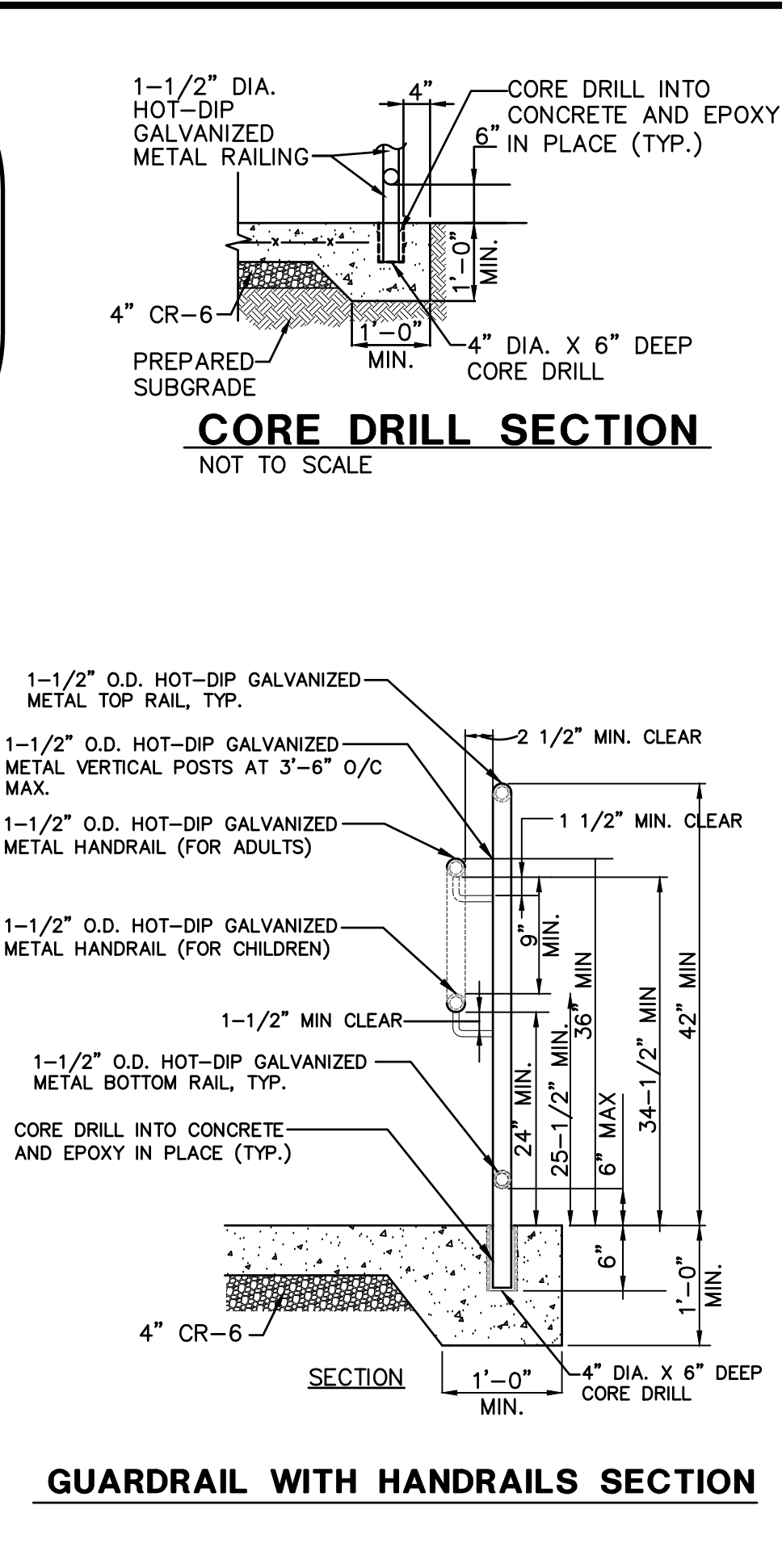
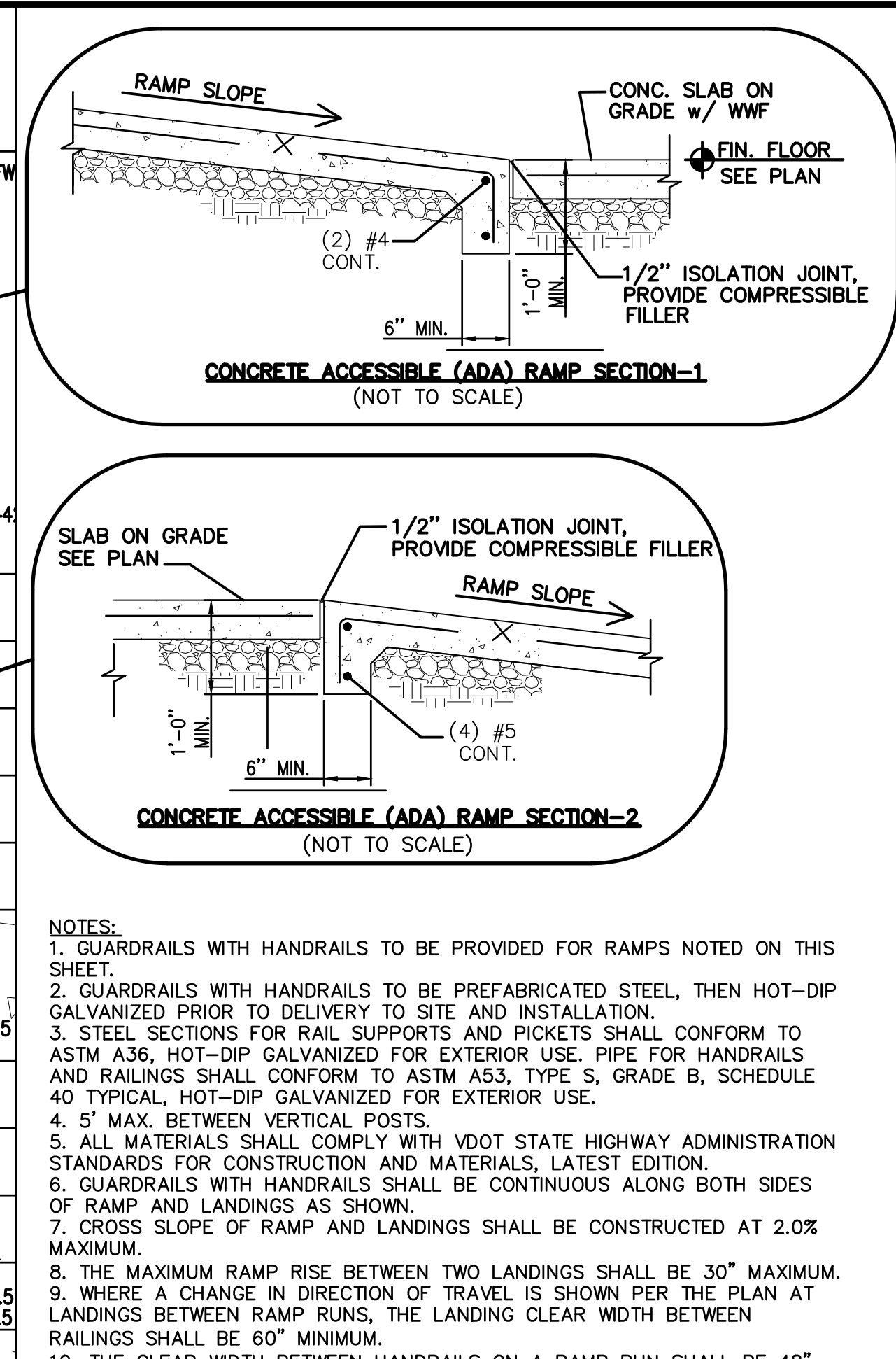
DIRECTOR _____ DATE _____

DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES

DIRECTOR _____ DATE _____

CHAIRMAN, PLANNING COMMISSION _____ DATE _____

DATE RECORDED _____



<div>APPROVED</div> <div>Development Special Use Permit/Site Plan # <u>2016-0009</u></div> <div>DEPARTMENT OF PLANNING & ZONING</div> <div><div>DIRECTOR</div><div>DATE</div></div> <div>DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES</div> <div><div>DIRECTOR</div><div>DATE</div></div> <div><div>CHAIRMAN, PLANNING COMMISSION</div><div>DATE</div></div> <div>DATE RECORDED _____</div>	
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ADTEK

CIVIL STRUCTURAL SPECIALTY ENGINEERING, LANDSCAPE ARCHITECTURE

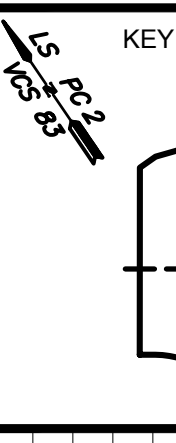
9990 Fairfax Boulevard, Suite 300
Fairfax, Virginia 22030
Phone: 703-691-4040 Fax: 703-691-4056
www.adtekengeers.com

OWNER/DEVELOPER:
CITY OF ALEXANDRIA

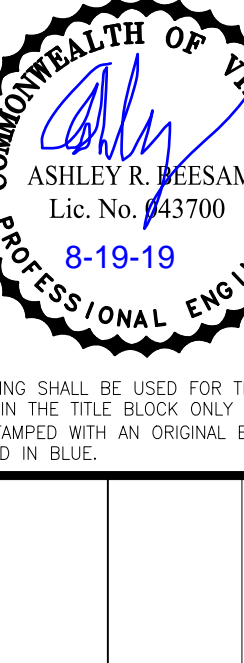
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CONTACT: BILL BROWN

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(703) 917-6620
CONTACT: MIKE WORKOSKY,
PTP, TSOS, TOPS



					1.	07/18/2019	DSUP AMENDMENT	PRELIMINARY	
								COMPLETENESS	
								DESCRIPTION	
					NO.	DATE		ISSUE	

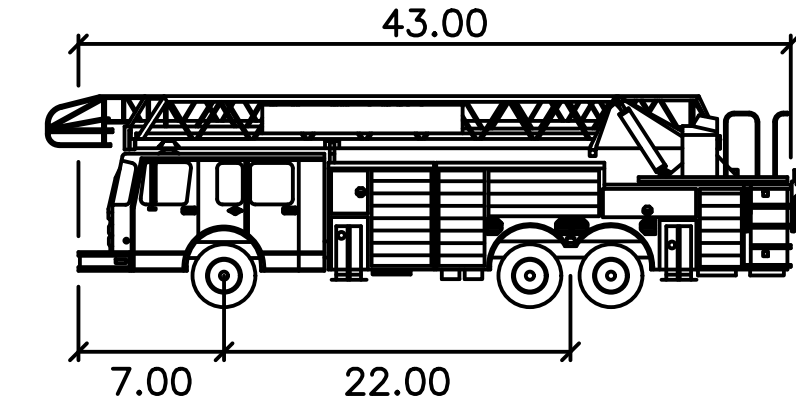
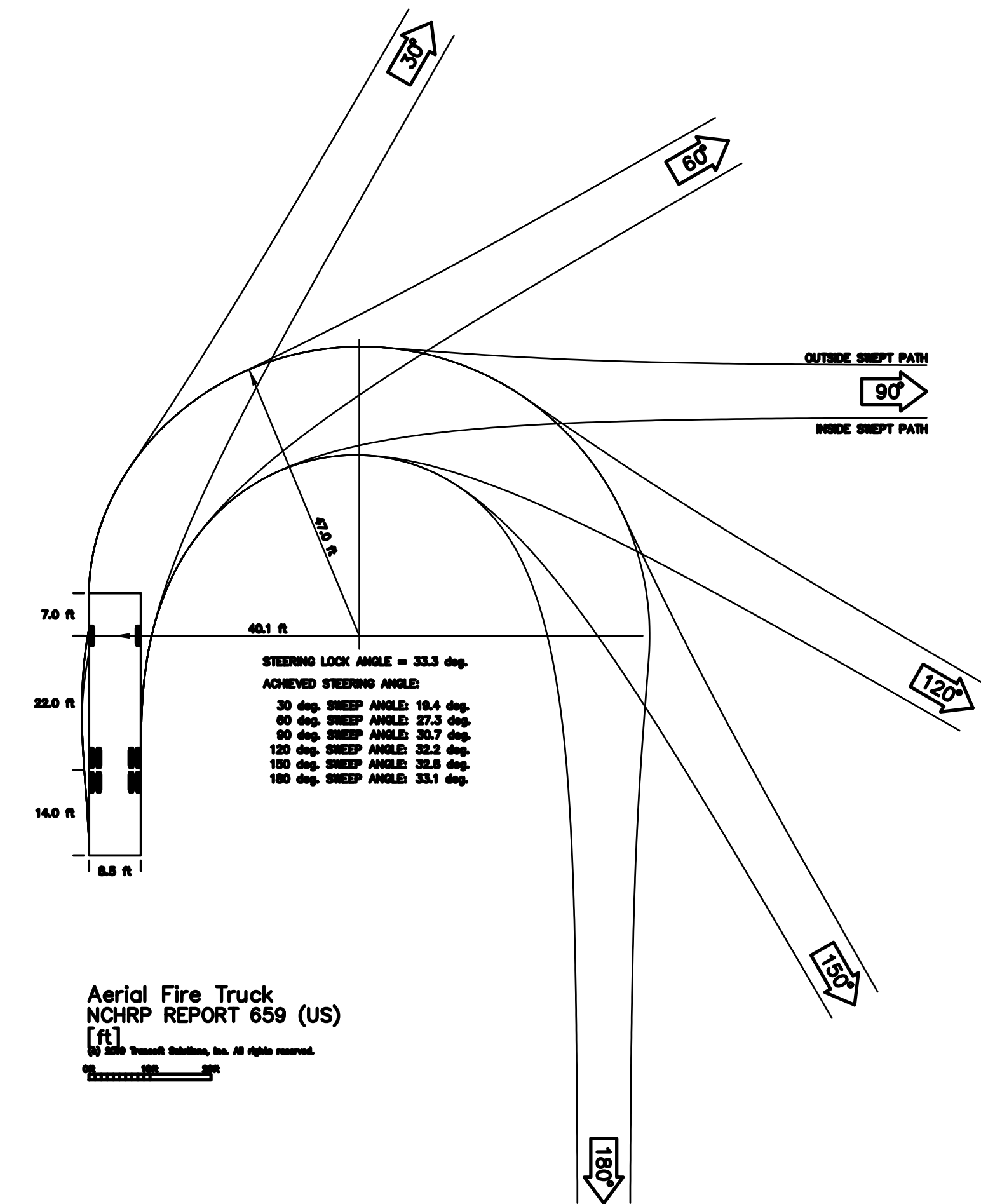
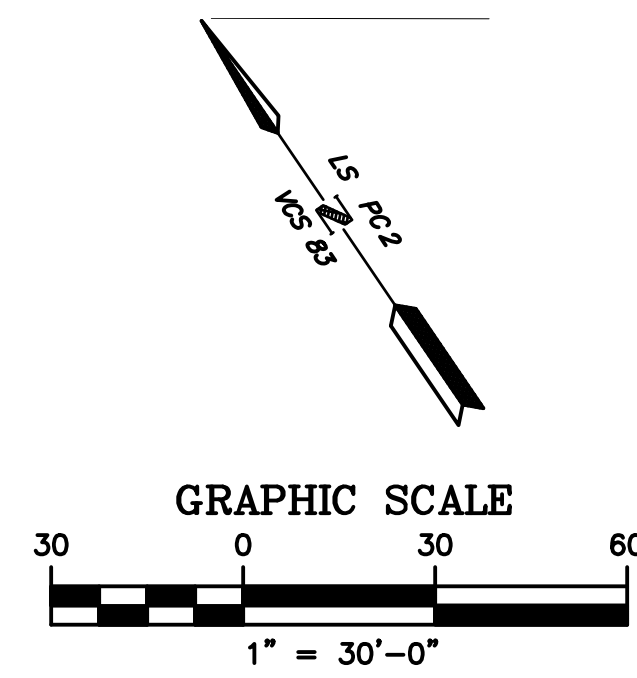
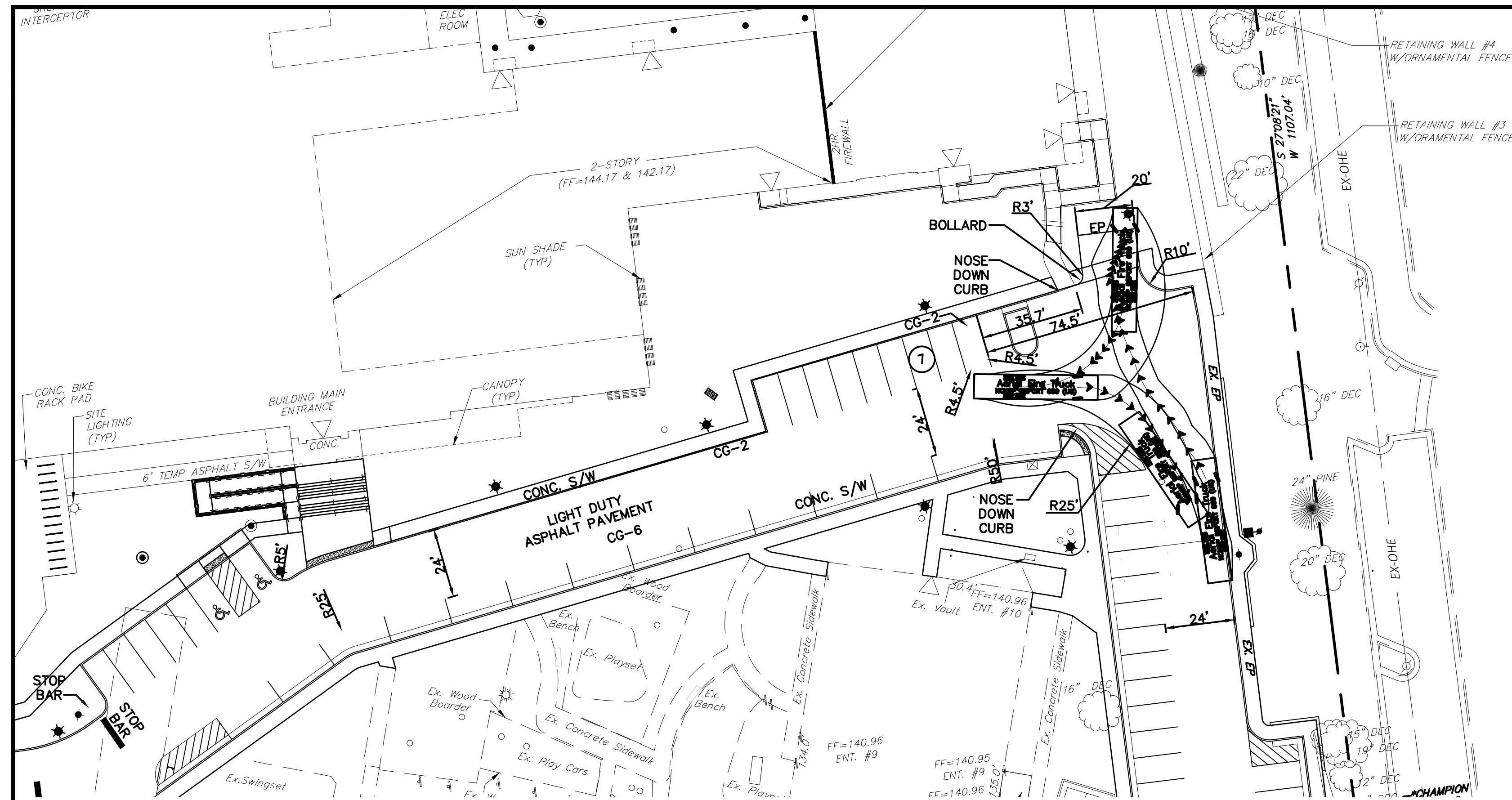


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DRAWN BY:	CHECKED BY:	DATE:	PROJECT NUMBER:	PHASE INT	DRAWING NUMBER:
EC	CH	07/01/2019	1619.0001	C-2.61.02	

**PATRICK HENRY PRE-K-8 SCHOOL
& RECREATIONAL FACILITY**
4653 TANEY AVE, ALEXANDRIA, VA

RETAINING WALL #10 PROFILE



	feet
Width	: 8.50
Track	: 8.50
Lock to Lock Time	: 6.0
Steering Angle	: 33.3

APPROVED
Development Special Use Permit/Site Plan # 2016-0009

DEPARTMENT OF PLANNING & ZONING

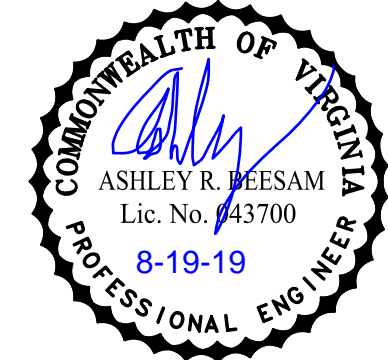
DIRECTOR DATE

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DIRECTOR DATE

CHAIRMAN, PLANNING COMMISSION DATE

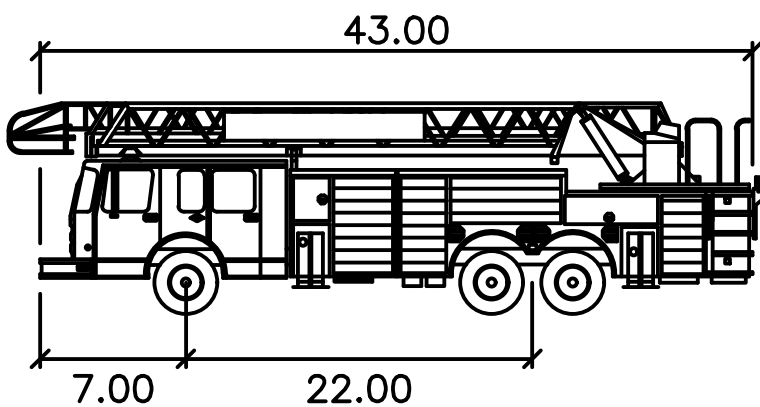
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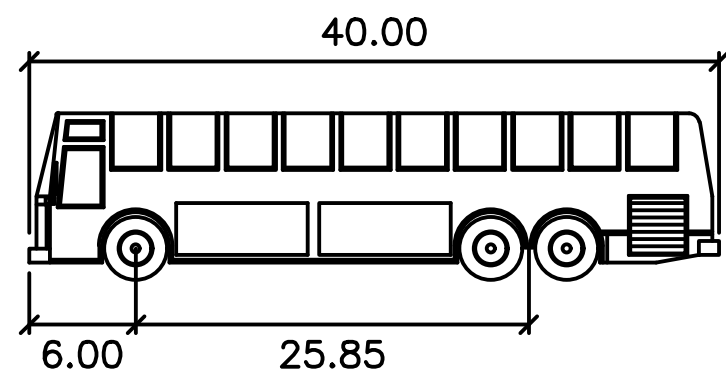
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& RECREATIONAL FACILITY
4653 TANEY AVE, ALEXANDRIA, VA**

SCALE: 1" = 30'	DATE: 07/01/2019	PHASE INT
DRAWN BY: EC	CHECKED BY: CH	PROJECT NUMBER: 1619.0001
		DRAWING NUMBER: C-2.62.01



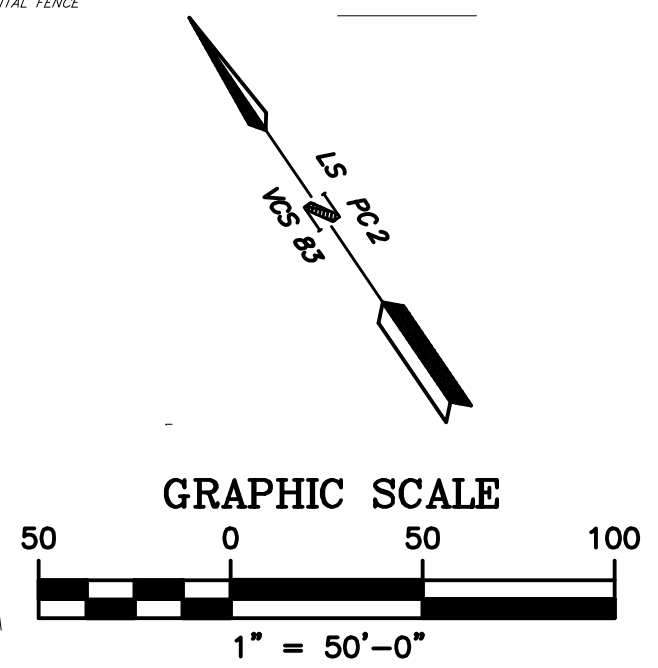
Width	:	8.50
Track	:	8.50
Lock to Lock Time	:	6.0
Steering Angle	:	33.3



	feet
Width	: 8.50
Track	: 8.50
Lock to Lock Time	: 6.0
Steering Angle	: 39.3



DATE RECORDED _____



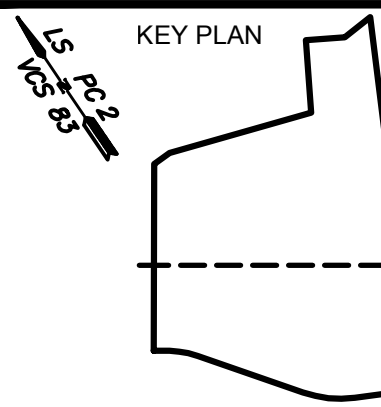
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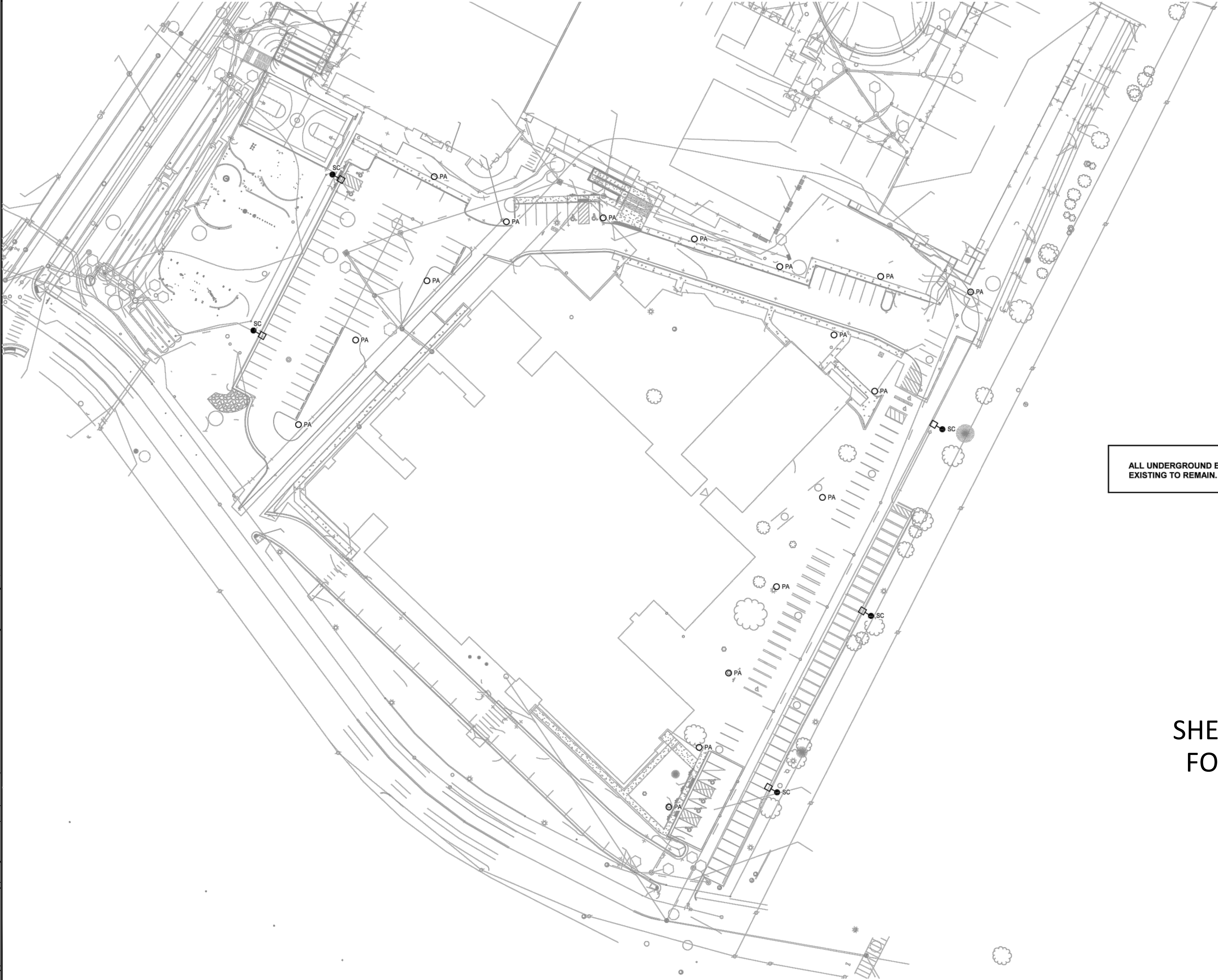
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FIRE TRUCK LOOP & BUS TEMPORARY LOOP TURNING TEMPLATE

SCALE: 1" = 50'	DATE: 07/01/2019	PHASE INT	
DRAWN BY: EC	CHECKED BY: CH	PROJECT NUMBER: 1619.0001	DRAWING NUMBER: C-2.62.02

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LIGHT FIXTURE SCHEDULE - SITE																				
FIXTURE							LAMP			MOUNTING	OPTIONS							REFERENCE NOTE	COMMENTS	Count
TYPE	DESCRIPTION	MANUFACTURER	SERIES NO.	WATTAGE	LUMENS	COLOR	QUANTITY	TYPE	COLOR TEMP.		BI-LEVEL	DIMMING	INTEGRAL SWITCH	INTEGRAL OCC./VAC. SENSOR*	BAS	DAYLIGHTING	BATTERY PACK			
PA	POLE MOUNTED SITE FIXTURE - TYPE 5 DISTRIBUTION	INVUE ARB POST TOP	ARB	53	4529 lm		1	LED	4000 K										PROVIDE INTEGRATED OCCUPANCY SENSOR FOR 50% DIMMING AT NIGHT	17
SC	POLE MOUNTED SITE FIXTURE - TYPE SL3 DISTRIBUTION	MCGRAW EDISON GLEON	GLEON	166	18174 lm		1	LED	4000 K										PROVIDE INTEGRATED OCCUPANCY SENSOR FOR 50% DIMMING AT NIGHT	5



ALL UNDERGROUND ELECTRICAL UTILITY SERVICES ARE EXISTING TO REMAIN.

SHEET NOT TO BE USED FOR CONSTRUCTION!

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Development Special Use Permit/Site Plan # 2016-0009

DEPARTMENT OF PLANNING & ZONING

DIRECTOR DATE

DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES

DIRECTOR DATE

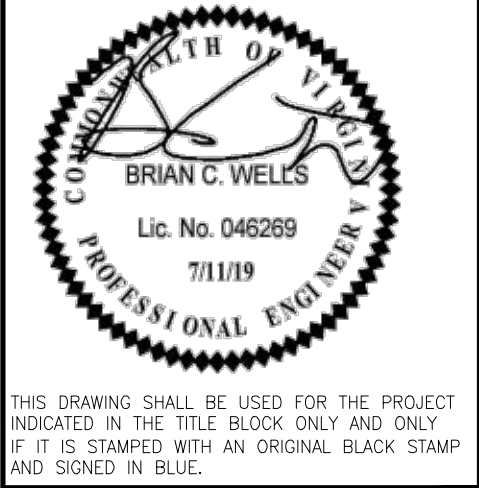
CHAIRMAN, PLANNING COMMISSION DATE

DATE RECORDED

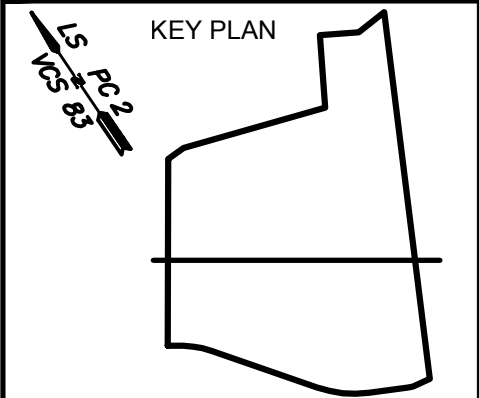
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4653 TANEY AVE, ALEXANDRIA, VA

PHASE INT-ELECTRICAL LIGHTING
CUT SHEET-FOR INFO ONLY

SCALE:	AS NOTED	DATE:	07/01/2019	PROJECT:	CH	PHASE INT
DRAWN BY:	EC	CHECKED BY:	1619.0001	DRAWING NUMBER:	C-263.01	



NO.	DATE	DESCRIPTION	ISSUE
1.	07/18/2019	DSUP AMENDMENT PRELIMINARY COMPLETION	



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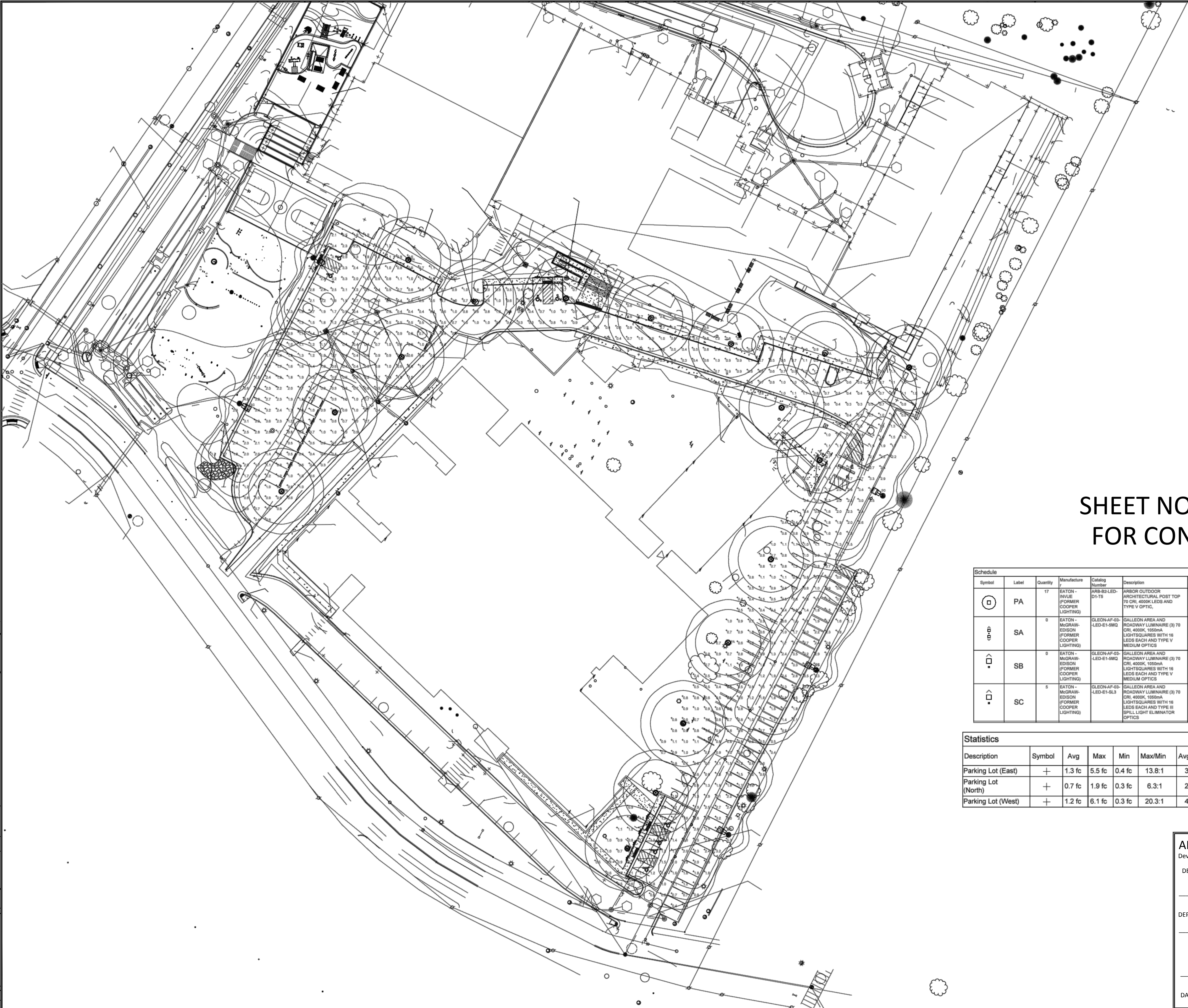
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Schedule											
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
	PA	17	EATON - INVUE (FORMER COOPER LIGHTING)	ARB-B2-LED-D1-T5	ARBOR OUTDOOR ARCHITECTURAL POST TOP T5 CRI 4000K LEDS AND TYPE V OPTIC,		1	PA - ARB-B2-LED-D1-T5.ses	4530	0.9	41
	SA	0	EATON - MCGRAW-EDISON (FORMER COOPER LIGHTING)	GLEON-AF-03-LED-E1-SMQ	GALLEON AREA AND ROADWAY LUMINAIRE (3) 70 CRI 4000K 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS		48	SA - SB - GLEON-AF-03-LED-E1-SMQ.ses	407	0.9	332
	SB	0	EATON - MCGRAW-EDISON (FORMER COOPER LIGHTING)	GLEON-AF-03-LED-E1-SMQ	GALLEON AREA AND ROADWAY LUMINAIRE (3) 70 CRI 4000K 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS		48	SA - SB - GLEON-AF-03-LED-E1-SMQ.ses	407	0.9	168
	SC	5	EATON - MCGRAW-EDISON (FORMER COOPER LIGHTING)	GLEON-AF-03-LED-E1-SL3	GALLEON AREA AND ROADWAY LUMINAIRE (3) 70 CRI 4000K 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS		48	SC - GLEON-AF-03-LED-E1-SL3.ses	387	0.9	168

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Parking Lot (East)	+	1.3 fc	5.5 fc	0.4 fc	13.8:1	3.3:1
Parking Lot (North)	+	0.7 fc	1.9 fc	0.3 fc	6.3:1	2.3:1
Parking Lot (West)	+	1.2 fc	6.1 fc	0.3 fc	20.3:1	4.0:1

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Development Special Use Permit/Site Plan # 2016-0009

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DIRECTOR DATE

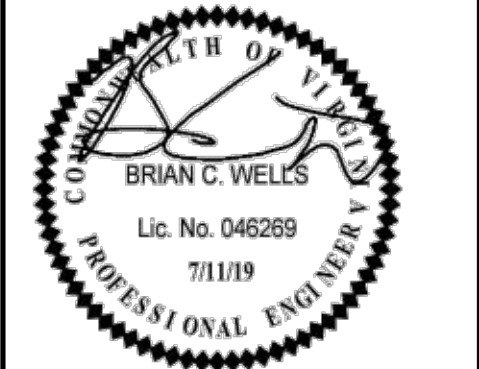
CHAIRMAN, PLANNING COMMISSION DATE

DATE RECORDED

PATRICK HENRY PRE-K-8 SCHOOL
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& 4653 TANEY AVE, ALEXANDRIA, VA

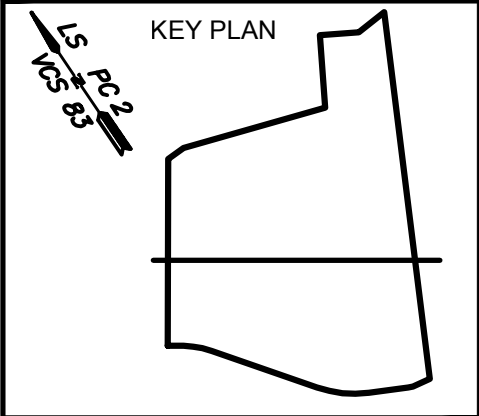
PHASE INT - PHOTOMETRIC
PLAN - FOR INFO ONLY!

SCALE: AS NOTED
DRAWN BY: EC
CHECKED BY: CH
DATE: 07/01/2019
PROJECT NUMBER: 1619.0001
DRAWING NUMBER: C-2.63.02
PHASE INT



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07/18/2019				DSUP	AMENDMENT	PRELIMINARY
				COMPLETION	DESCRIPTION	ISSUE
1.				NO.	DATE	



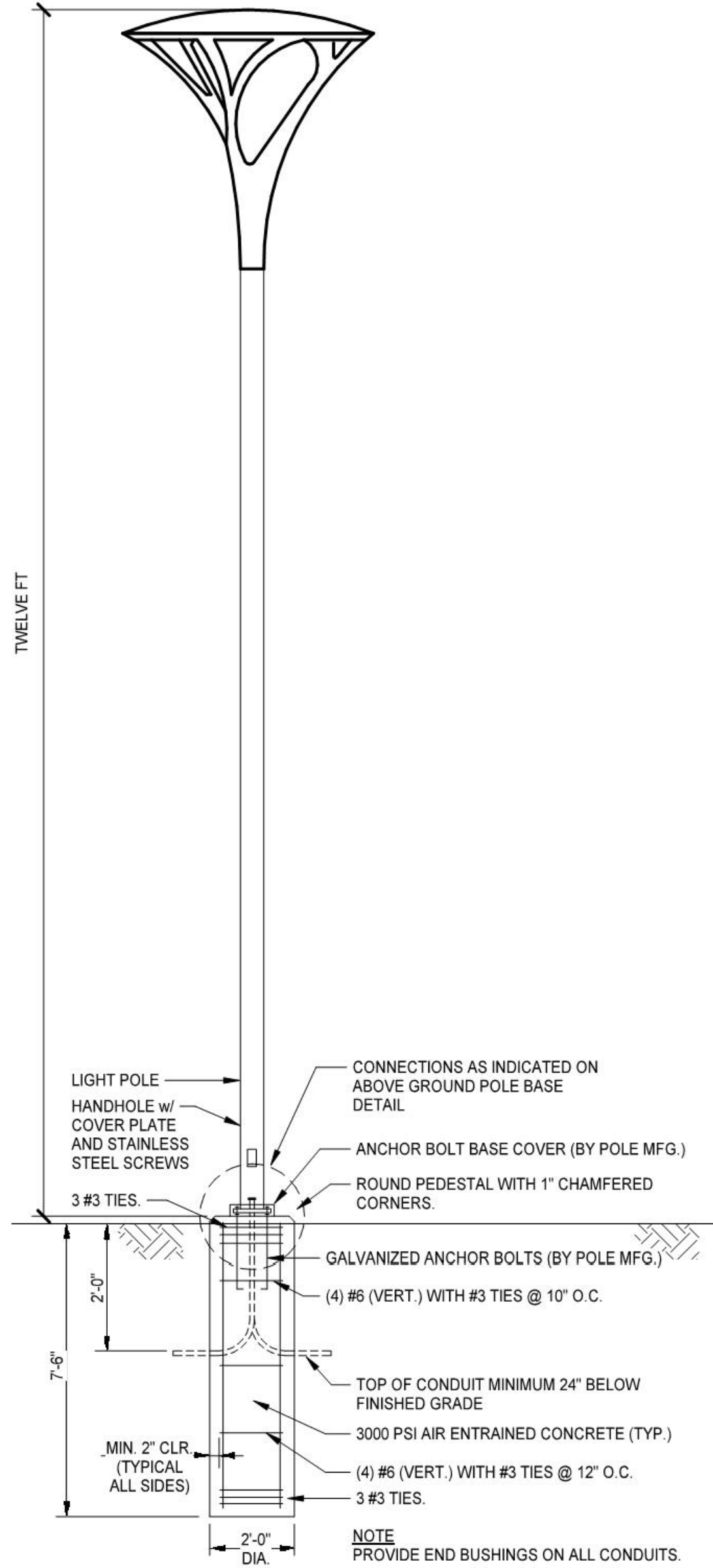
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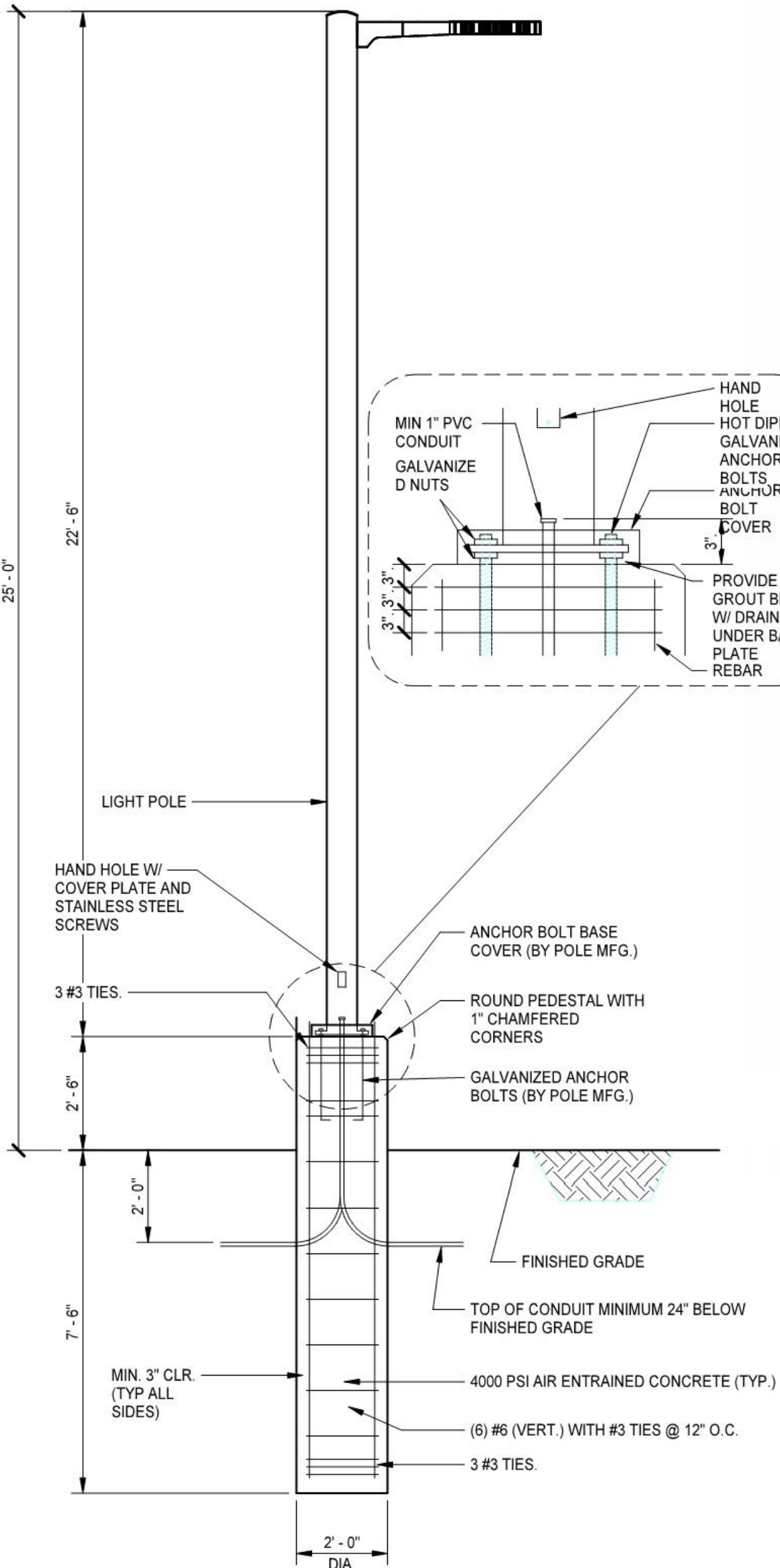
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TYPICAL FOR ALL TYPE PA POLE MOUNTED LIGHTS

FLUSH POLE BASE DETAIL

NO SCALE



FIXTURE ELEVATION AND POLE BASE DETAIL - TYPE SA,SB,SC

NO SCALE

DESCRIPTION

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP68 rated and UL/cUL Listed for wet locations.

SPECIFICATION FEATURES

Construction
Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested and rated. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP68 rated.

Optics
Patented, high-efficiency injection-molded AccuLED Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT 70 CRI. Optional 3000K, 5000K and 6000K CCT.

Electrical
LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP68 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 600mA, 800mA and 1200mA drive currents (nominal).

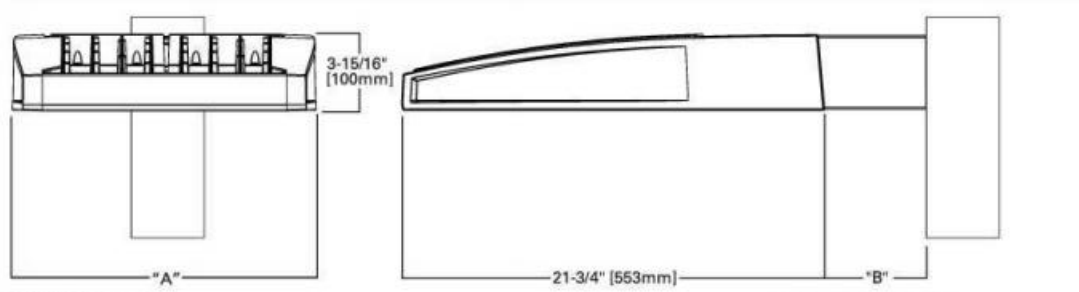
Mounting
STANDARD ARM MOUNT: Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° apart, the EA extended arm may be required. Refer to the

arm mounting requirement table. Round pole adapter included. For wall mounting, specify wall mount bracket option. QUICK MOUNT ARM: Adapter is bolted directly to the pole. Quick mount arm slide into place on the adapter and is secured via two screws, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock-out enables round pole mounting.

Finish
Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

Warranty
Five-year warranty.

DIMENSIONS



DIMENSION DATA

Number of Light Squares	"A" Width 15-1/2\" (394mm)	"B" Standard Arm Length 7\" (178mm)	"C" Standard Arm Length 10\" (254mm)	Weight with Arm (lbs.) (15.0 lbs.)	EPH with Arm ¹ (Sq. Ft.) 0.96
1-4	21-5/8\" (548mm)	7\" (178mm)	10\" (254mm)	44 (20.0 lbs.)	1.00
5-6	27-5/8\" (702mm)	7\" (178mm)	10\" (254mm)	54 (24.5 lbs.)	1.07
7-8	33-3/4\" (857mm)	7\" (178mm)	10\" (254mm)	63 (28.6 lbs.)	1.12

NOTES: 1. Optional arm length to be used when mounting two fixtures at 90° on a single pole. 2. EPH calculated with optional arm length.



*www.designlights.org



CERTIFICATION DATA

UL/cUL Wet Location Listed
ISO 9001
LM79/LM80 Compliant
3G Vibration Rated
IP68 Rated
DesignLights Consortium™ Qualified*

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120V-277V 50/60Hz
347V & 480V 60Hz
-40°C Min. Temperature
60°C Max. Temperature (HA Option)



TD500020EN
2016-09-28 15:31:55

McGraw-Edison

Catalog #	Type
Project	SA,SB,SC
Comments	Date
Prepared by	



GLEON GALLEON LED

1-10 Light Squares

Solid State LED

AREA/SITE LUMINAIRE

DESCRIPTION

The Invue Arbor post top brings architectural style to area/site and pedestrian scale applications. Its dayform appearance brings a desired organic look into the urban environment. WaveStream™ LED Optics provide a uniform pixelation free image, managing glare while providing high levels of visibility.

SPECIFICATION FEATURES

Construction
Two-piece IP68 rated housing is cast from low copper content corrosion resistant aluminum, maintaining strength and precision to sustain long term dayform appearance. ANSI C136.31 testing compliance prevents damage from installation generated vibration. External hardware and casting seams are minimized to enhance appearance.

Optics
Specifically designed for pedestrian applications, WaveStream LED optical waveguide technology produces both symmetric NEMA II, III, IV distributions. The waveguide is manufactured from precision injection molded acrylic resulting in a pixelation free optical image for improved glare control and visual comfort. Luminaire efficacy measures up to 100 lm/w for 4000K (+/- 275K) CCT at 70 CRI (min), optional 3000K CCT at 80 CRI is also available.

Electrical
LED driver(s) are directly mounted to upper housing thermal pad for optimal thermal performance. Standard 0-10V dimming drivers and Eaton's proprietary surge protection module are designed to withstand 10kV of transient line surge. Drivers operate at 120-

277V 50/60Hz with 347V/60Hz or 480V/60Hz operation optional. Suitable for ambient temperature applications from -30°C (-22°F) to 40°C (104°F). Limited high ambient options allow for 50°C operation.

Controls
The Arbor LED luminaire control options are designed to be simple and cost-effective ASHRAE and California Title 24 compliant solutions. The ANSI C136.41 compliant NEMA 7-PIN receptacle enables wireless dimming when used with compatible photocontrol. An integrated dimming and occupancy sensor is a standalone control option available in on/off (MS) and bi-level dimming (MS/ DIM) operation. The optional LumaWatt Pro™ system is best described as a peer-to-peer wireless network of luminaire-integral sensors that operate in accordance with programmable profiles. Each sensor is capable of motion and photo sensing, metering power consumption and wireless communication.

Mounting
Filter assembly mounts over 2-3/8" O.D. tenon and is secured via six concealed stainless steel set screws. Design of filter provides seamless transition to 3" O.D. round pole top. Additional mounting accessories include a

Invue

Catalog #	Type
Project	PA
Comments	Date
Prepared by	



ARB ARBOR POST TOP

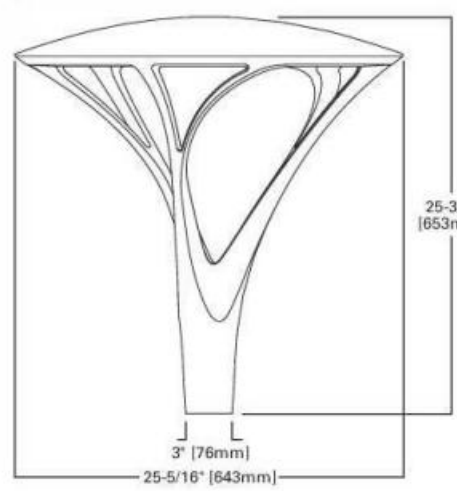
DECORATIVE LUMINAIRE

single fixture arm mount, twin fixture arm mount and wall mount arm. Additional pole mount accessories mount to a 3" x 4" long tenon for 4" - 6" O.D. poles tops. For existing 2-3/8" tenons an adapter is shipped standard.

Finish
Eaton utilizes premium ultra-weatherable TGIC based polyester powder coatings that are specifically formulated to withstand extended outdoor exposure. The powders are formulated exclusively for Eaton to serve functionally as well as decorative. Good film appearance combined with excellent mechanical an exterior exposure qualities display greater than twice as much gloss retention. RAL and custom color matches available. Finish is compliant with ASTM B117 3000hr salt spray standard.

Warranty
Five-year warranty.

DIMENSIONS



CERTIFICATION DATA

UL/cUL Listed
IP68 Housing
ANSI C136.31
1.5G Vibration Tested
RoHS
ISO 9001

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V 50/60Hz, 347V/60Hz, 480V/60Hz
-30°C Minimum Temperature
60°C Ambient Temperature Rating

EPA

Effective Projected Area: (Sq. Ft.) 0.9
Approximate Net Weight:
57 lbs. (16.8 kg.)



TD516018EN
2017-10-10 15:06:53

PATRICK HENRY PRE-K-8 SCHOOL
& RECREATIONAL FACILITY
4653 TANEY AVE, ALEXANDRIA, VA

PHASE INT-ELECTRICAL LIGHTING
CUT SHEET-FOR INFO ONLY

SCALE:	NTS	DATE:	07/01/2019	PROJECT:	1619.0001	PHASE INT:	C-2.63.03
DRAWN BY:	EC	CHECKED BY:	CH	DRAWING NUMBER:			

APPROVED

Development Special Use Permit/Site Plan # 2016-0009

DEPARTMENT OF PLANNING & ZONING

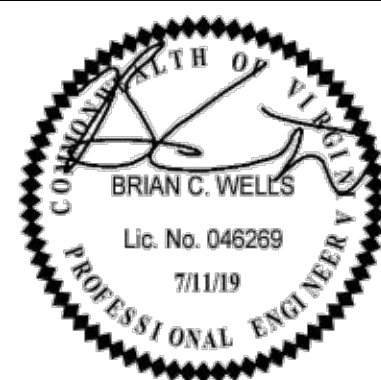
DIRECTOR DATE

DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES

DIRECTOR DATE

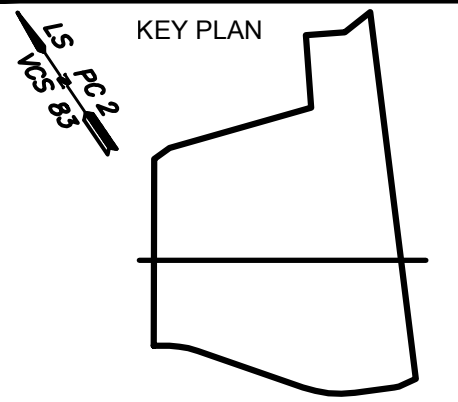
CHAIRMAN, PLANNING COMMISSION DATE

DATE RECORDED



THIS DRAWING SHALL BE USED FOR THE PROJECT INDICATED IN THE TITLE BLOCK ONLY AND ONLY IF IT IS STAMPED WITH AN ORIGINAL BLACK STAMP AND SIGNED IN BLUE.

NO.	DATE	DESCRIPTION	ISSUE
1.	07/18/2019	DSUP AMENDMENT PRELIMINARY COMPLETION	



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1420 SPRING HILL ROAD, SUITE 510
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(703) 917-6620
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9990 FAIRFAX BOULEVARD,
SUITE 300
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(703)691-4040
CONTACT: ASHLEY BEESAM

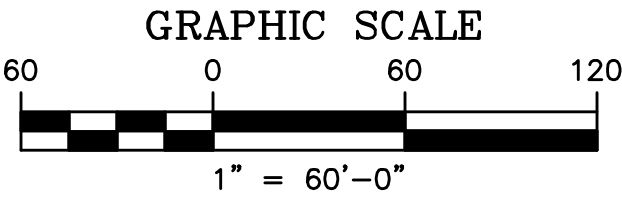
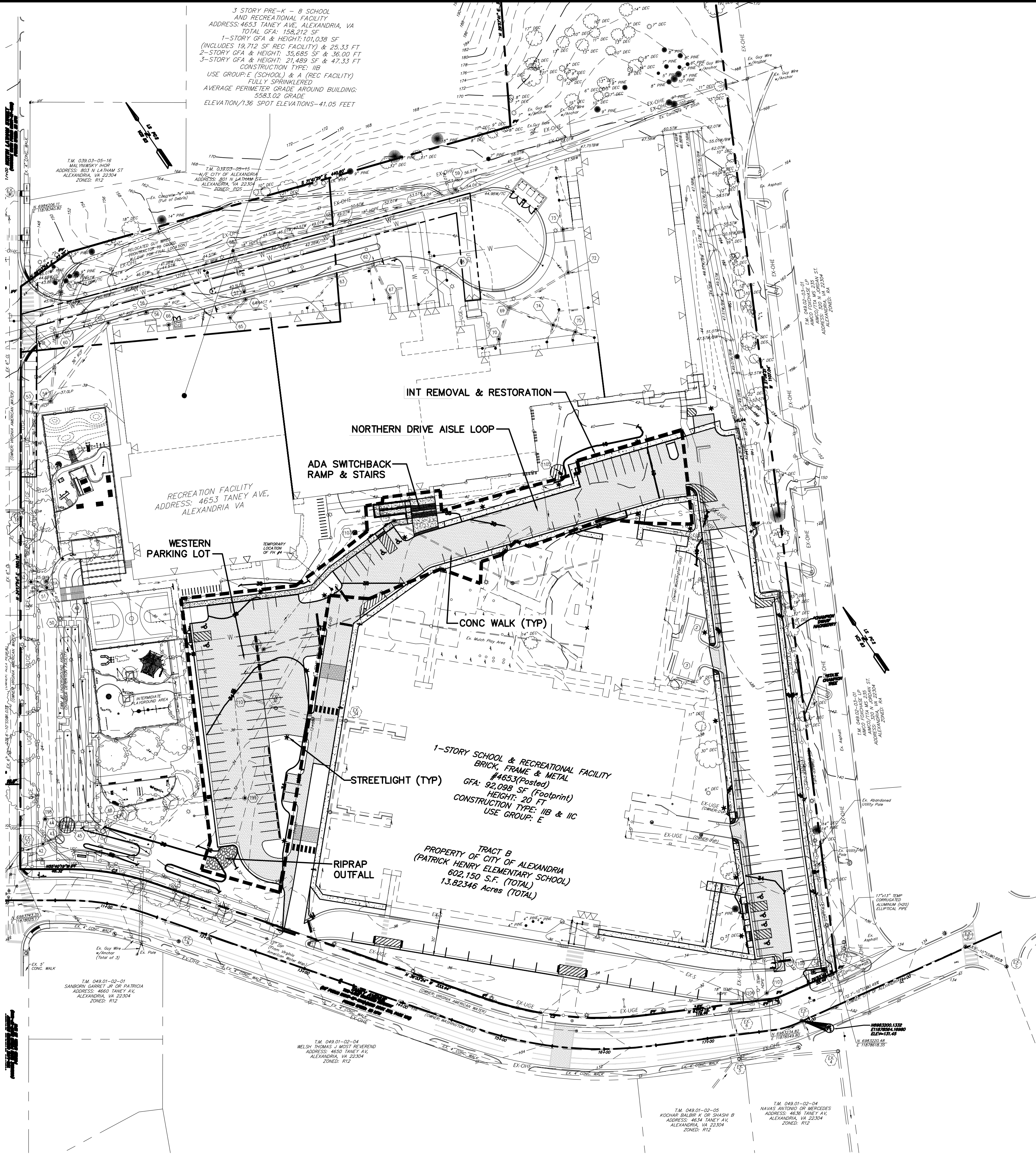
ARCHITECT/MEP
MOSLEY ARCHITECTS
8001 BRADDOCK ROAD, SUITE 400
SPRINGFIELD, VA 22151
(703) 426-9057
CONTACT: BILL BROWN

OWNER/DEVELOPER:
CITY OF ALEXANDRIA

ADTEK
CIVIL STRUCTURAL SPECIALTY ENGINEERING & LANDSCAPE ARCHITECTURE
9990 Fairfax Boulevard, Suite 300
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PHASE INT REMOVAL & RESTORATION PLAN

THIS OLD PATRICK HENRY SCHOOL (DOUGLAS MACARTHUR ELEMENTARY SWING SPACE) WILL BE APPROXIMATELY IN SERVICE FOR 3 YEARS WHILE THE RENOVATION AND ADDITIONS ARE BUILT ON THE DOUGLAS MACARTHUR ELEMENTARY SCHOOL SITE OF 1101 JANNEYS LANE ALEXANDRIA VIRGINIA. WHEN THE DOUGLAS MACARTHUR ELEMENTARY SCHOOL CONSTRUCTION IS FINISHED AND FULLY OCCUPIED THE REMAINDER OF THE PHASE 3 IMPROVEMENTS WILL OCCUR ON THE PATRICK HENRY SCHOOL SITE ON 4653 TANEY AVENUE. THE PHASE INT REMOVAL LIMITS ARE LOCATED BELOW AND CONSIST OF REMOVAL OF THE NORTHERN DRIVE LOOP AND ASSOCIATED SIDEWALKS, ADA SWITCHBACK RAMP/STAIRS AND WESTERN PARKING LOT ALONG WITH PARKING LOT LIGHTS AND RIPRAP OUTFALL DITCH. ALL AREAS THAT WERE PAVED OVER (CONCRETE SIDEWALKS/RAMPS/STAIRS AND ASPHALT) AS PART OF PHASE INT WILL BE SURFACE ROUGHENED (STD. & SPEC 3.29), TOPSOILED (STD. & SPEC 3.30) AND TEMPORARY SEEDED (STD. & SPEC 3.31) PER THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.



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DIRECTOR DATE

DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES

DIRECTOR DATE

CHAIRMAN, PLANNING COMMISSION DATE

DATE RECORDED

PATRICK HENRY PRE-K-8 SCHOOL
& RECREATIONAL FACILITY
4653 TANEY AVE, ALEXANDRIA, VA

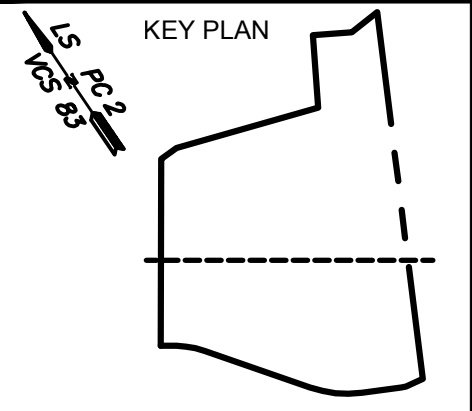
PHASE INT REMOVAL & RESTORATION PLAN

SCALE:	1" = 60'	DATE:	07/01/2019	PROJECT NUMBER:	1619.0001	DRAWING NUMBER:	C-264.01
DRAWN BY:	EC	CHECKED BY:	CH	DATE:	07/01/2019	COMPLETION:	PRELIMINARY
NO.		DATE		DESCRIPTION		ISSUE	



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