

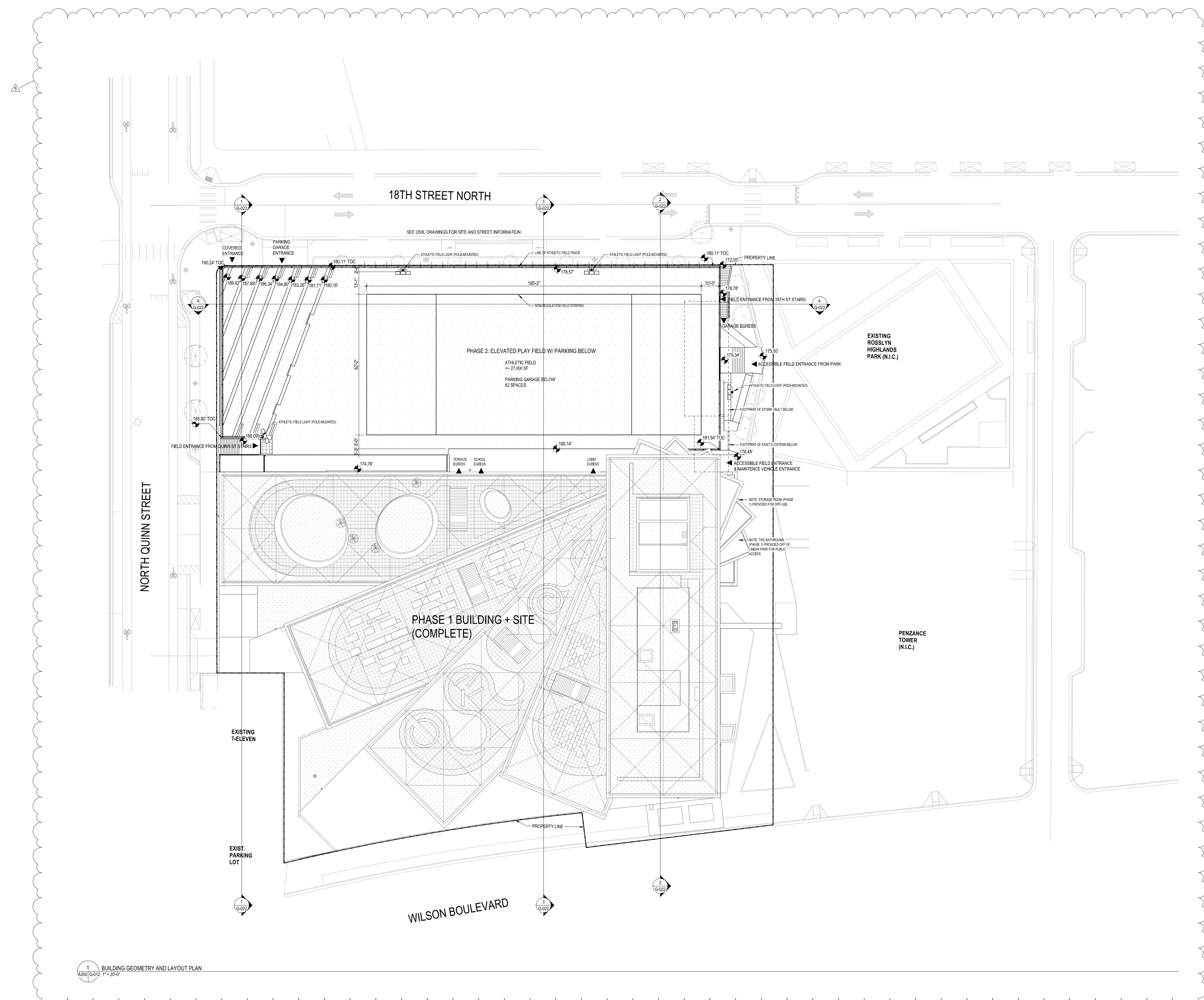
ARLINGTON PUBLIC SCHOOLS

APS HEIGHTS PHASE 2

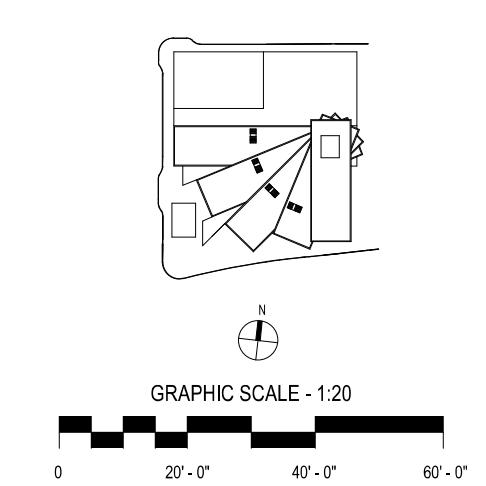
1601 WILSON BLVD, ARLINGTON, VA 22209

Client Project Number 2203115
 VMDO Project Number 1316

Checked By _____ Checker
 Drawn By _____ Author



1 BUILDING GEOMETRY AND LAYOUT PLAN
 A300 (G-012) 1" = 20'-0"



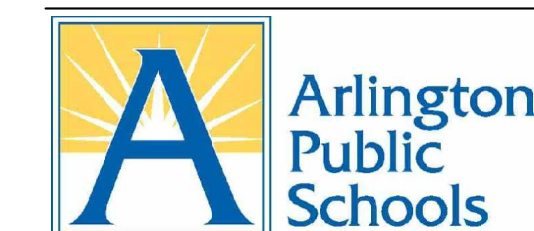
DRAWING NOT FOR CONSTRUCTION

ISSUES AND REVISIONS	
NO.	DATE
1	NO. SUBMITTAL
3	USE PERMIT AMENDMENT RESUBMISSION 25 APRIL 22
5	USE PERMIT AMENDMENT #2 RESUBMISSION 24 JUN 22

SITE PLAN GENERAL NOTES

1. REFER TO CIVIL DRAWINGS FOR BALANCE OF INFORMATION ON PROPOSED SITE UTILITY LOCATIONS, BOUNDARY INFORMATION, SITE FEATURES, AND ZONING.
2. REFER TO LANDSCAPE DRAWINGS FOR BALANCE OF INFORMATION ON SITE DESIGN INCLUDING ROOF TERRACES, PAVING, AND PLANTING.
3. CONDITIONS OUTSIDE OF PROPERTY LINE ARE SHOWN FOR REFERENCE ONLY.

PROPOSED SITE PLAN - PHASE II



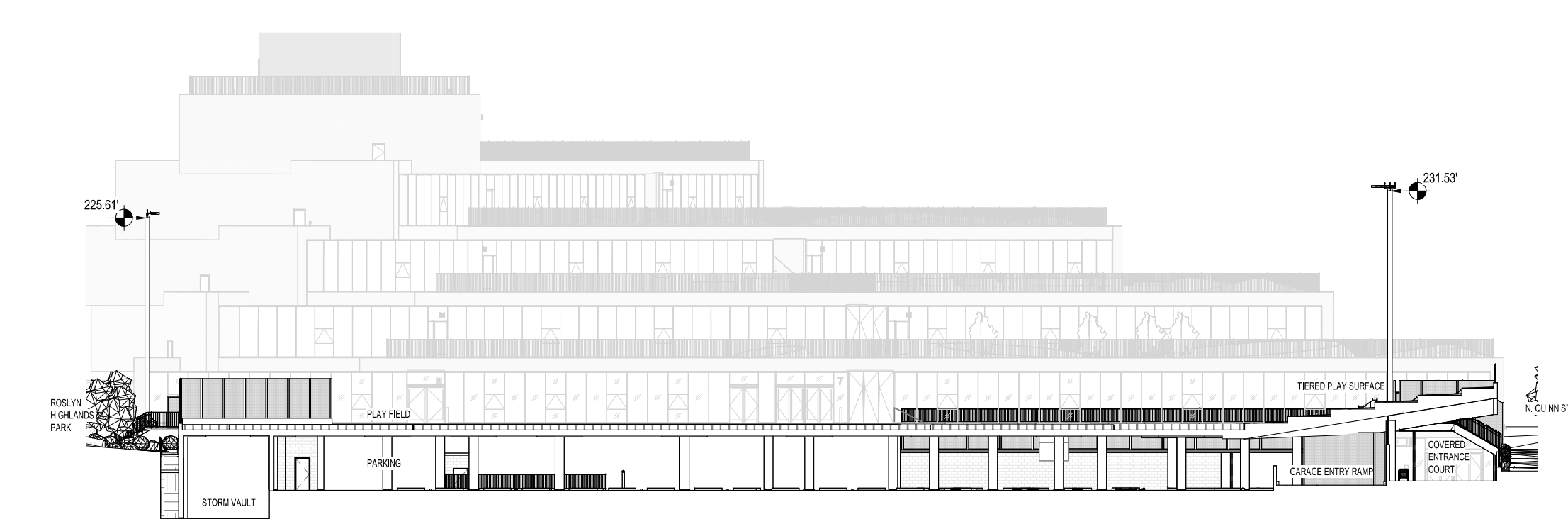
ARLINGTON PUBLIC SCHOOLS

APS HEIGHTS PHASE 2

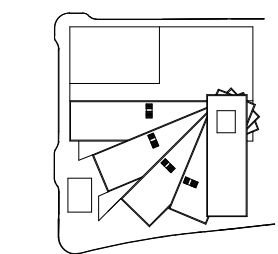
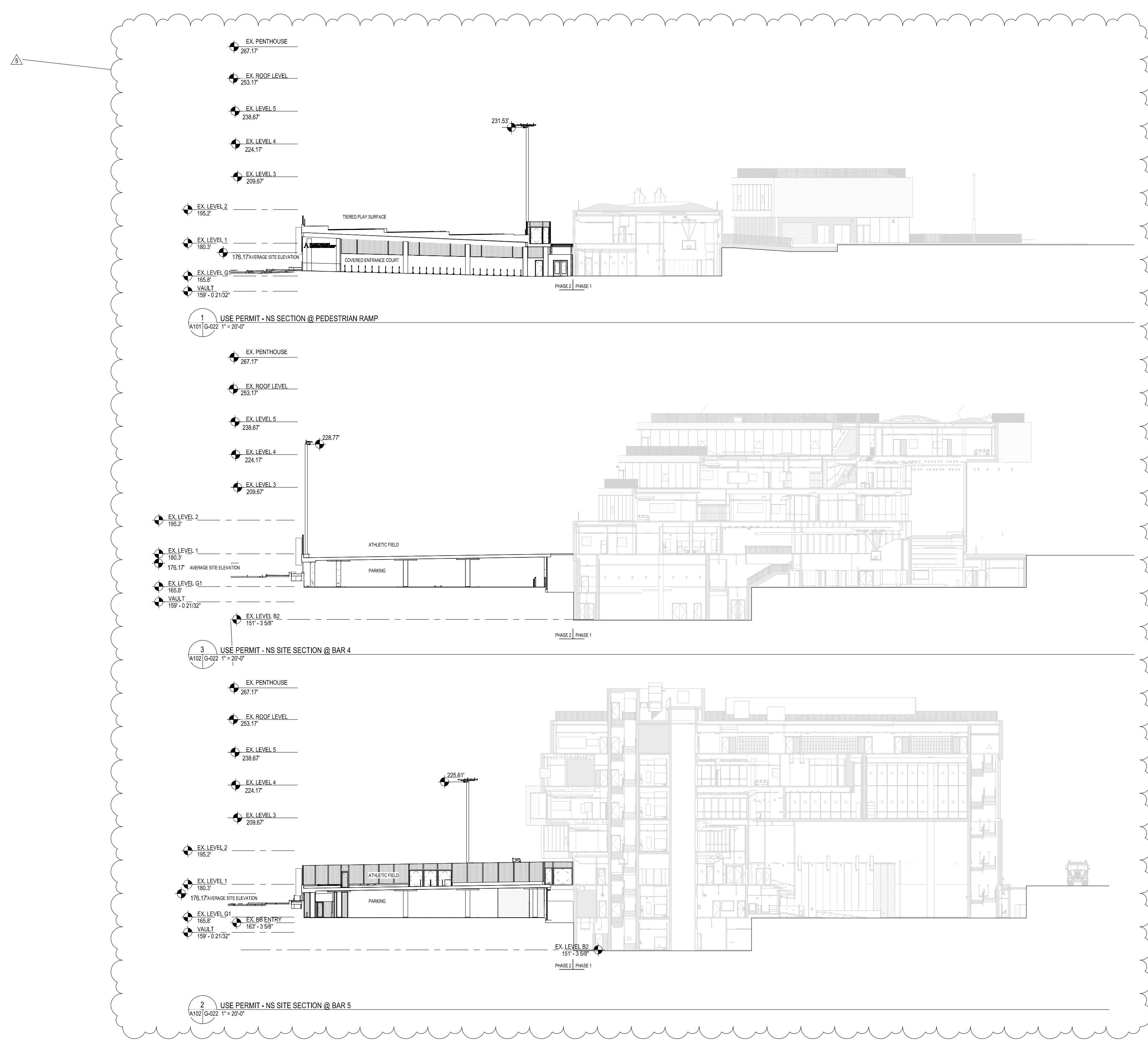
1601 WILSON BLVD, ARLINGTON, VA 22209

Client Project Number 2203115
 VMDO Project Number 1316

Checked By _____ Checker
 Drawn By _____ Author



4 USE PERMIT - E-W SITE SECTION THROUGH PARKING GARAGE
 A101 G-022 1" = 20'-0"

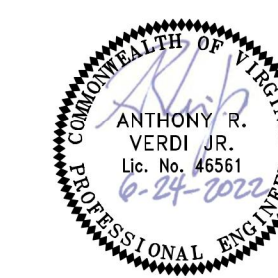


GRAPHIC SCALE - 12" = 1'-0"
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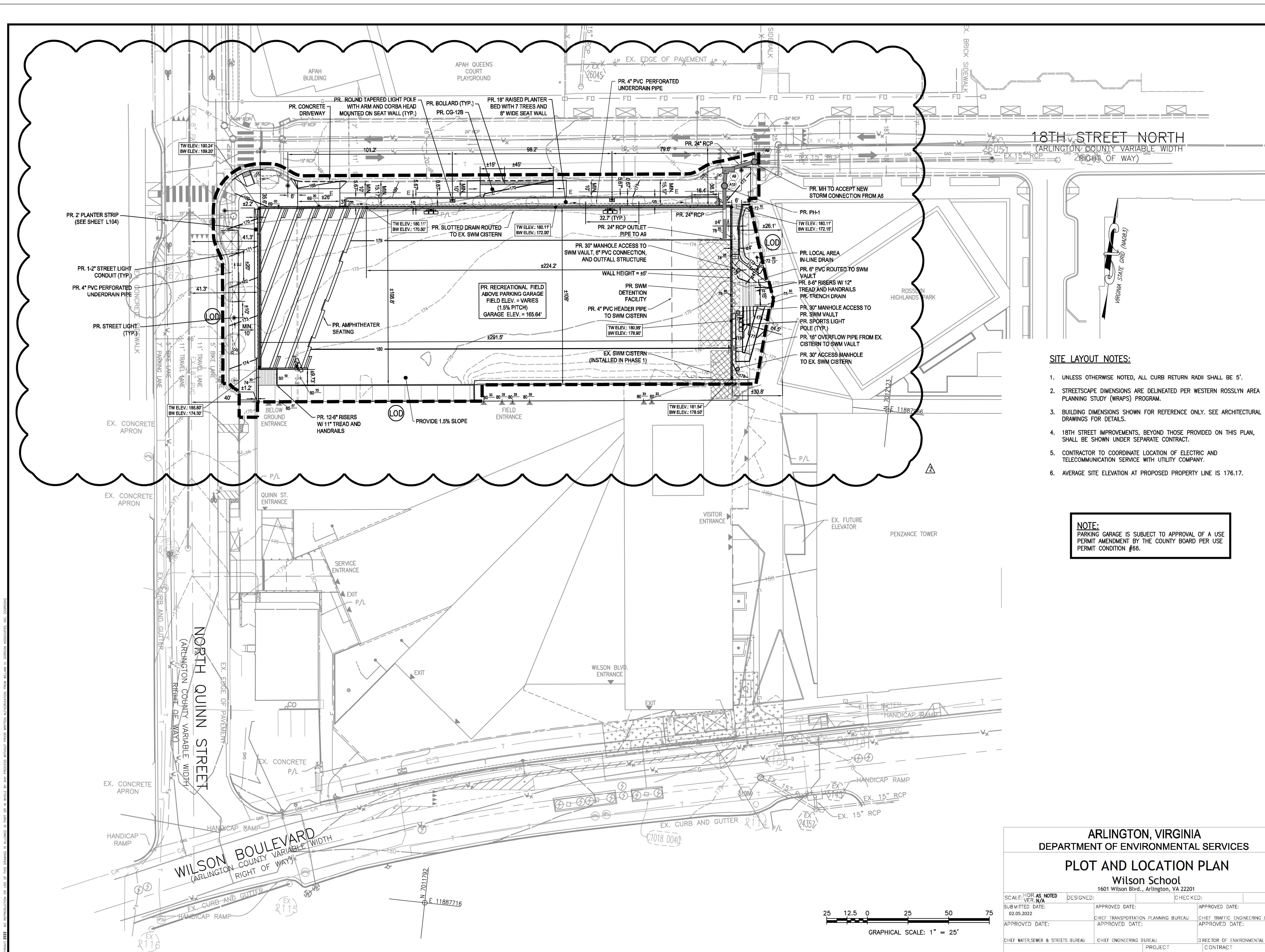
DRAWING NOT FOR CONSTRUCTION

ISSUES AND REVISIONS	NO.	DESCRIPTION	DATE
	3	USE PERMIT AMENDMENT RESUBMISSION	25 APRIL 22
	5	USE PERMIT AMENDMENT #2 RESUBMISSION	24 JUN 22

SITE SECTIONS - PHASE II



Checked By A. VERDI
Drawn By L. ARANGO



SITE LAYOUT NOTES:

- UNLESS OTHERWISE NOTED, ALL CURB RETURN RADI SHALL BE 5'.
- STREETSCAPE DIMENSIONS ARE DELINEATED PER WESTERN ROSSLYN AREA PLANNING STUDY (WRAPS) PROGRAM.
- BUILDING DIMENSIONS SHOWN FOR REFERENCE ONLY. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.
- 18TH STREET IMPROVEMENTS, BEYOND THOSE PROVIDED ON THIS PLAN, SHALL BE SHOWN UNDER SEPARATE CONTRACT.
- CONTRACTOR TO COORDINATE LOCATION OF ELECTRIC AND TELECOMMUNICATION SERVICES WITH UTILITY COMPANY.
- AVERAGE SITE ELEVATION AT PROPOSED PROPERTY LINE IS 176.17.

NOTE:
PARKING GARAGE IS SUBJECT TO APPROVAL OF A USE PERMIT AMENDMENT BY THE COUNTY BOARD PER USE PERMIT CONDITION #65.

Gordon
PROGRAMMING AND PLANNING
CIVIL ENGINEERING
LANDSCAPE ARCHITECTURE
SURVEY AND MAPPING
UTILITY CONSULTING
4501 Daily Drive
Chantilly, VA 20151
Phone: 703-283-1900
www.gordon.us.com

REVISIONS	DISCUSSION	NUMBER	DATE

SUR: GORDON	DES: L. ARANGO
DRW: L. ARANGO	CHK: A. VERDI

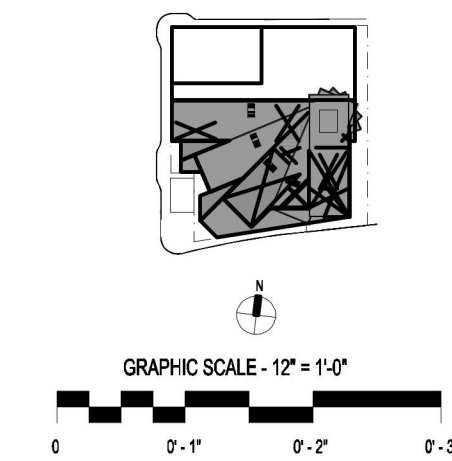
SEAL:

PLOT AND LOCATION PLAN
**WILSON SCHOOL
USE PERMIT AMENDMENT**
ARLINGTON COUNTY, VIRGINIA

HORIZ: 1" = 25'
SCALE: VERT:
DATE: 02/01/2022
PLAN: USE PERMIT AMENDMENT
JOB: 2922-0110
CADD: C-CS-101.DWG
NCS: C300
NUMBER: C300 of 21
Gordon

ARLINGTON, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES
PLOT AND LOCATION PLAN
Wilson School
1601 Wilson Blvd., Arlington, VA 22201

SCALE: NOT AS NOTED	DESIGNED: []	CHECKED: []
SUBMITTED DATE: 02/05/2022	APPROVED DATE: []	APPROVED DATE: []
APPROVED DATE: []	CHIEF TRANSPORTATION PLANNING BUREAU	CHIEF BIMETRIC ENGINEERING BUREAU
APPROVED DATE: []	APPROVED DATE: []	APPROVED DATE: []
CHIEF MATHEMATICS & STREETS BUREAU	CHIEF ENGINEERING BUREAU	DIRECTOR OF ENVIRONMENTAL SERVICES
PROJECT: []	CONTRACT: []	SHEET: 02
DRAWING NAME: C-CS-101.DWG	SHEET: C300	21



GRAPHIC SCALE - 1" = 1'-0"
DRAWING NOT FOR CONSTRUCTION

ISSUES AND REVISIONS	DATE
NO. SUBMITTAL	DATE
USE PERMIT AMENDMENT #6	02/07/2022
USE PERMIT AMENDMENT #6 RESUBMISSION	06/24/2022

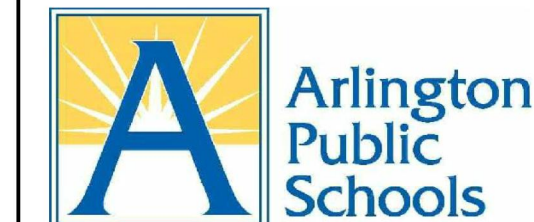
PLOT AND LOCATION PLAN

VMDO

VMDO Architects
434-286-5484
2500 Market Street
Charlottesville, VA 22902

1200 18th Street NW Ste 700
Washington, DC 20036

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CIVIL ENGINEERING
LANDSCAPE ARCHITECTURE
SURVEY AND MAPPING
SECURITY AND INFRASTRUCTURE
CONSULTING

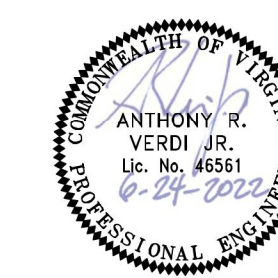


ARLINGTON PUBLIC SCHOOLS

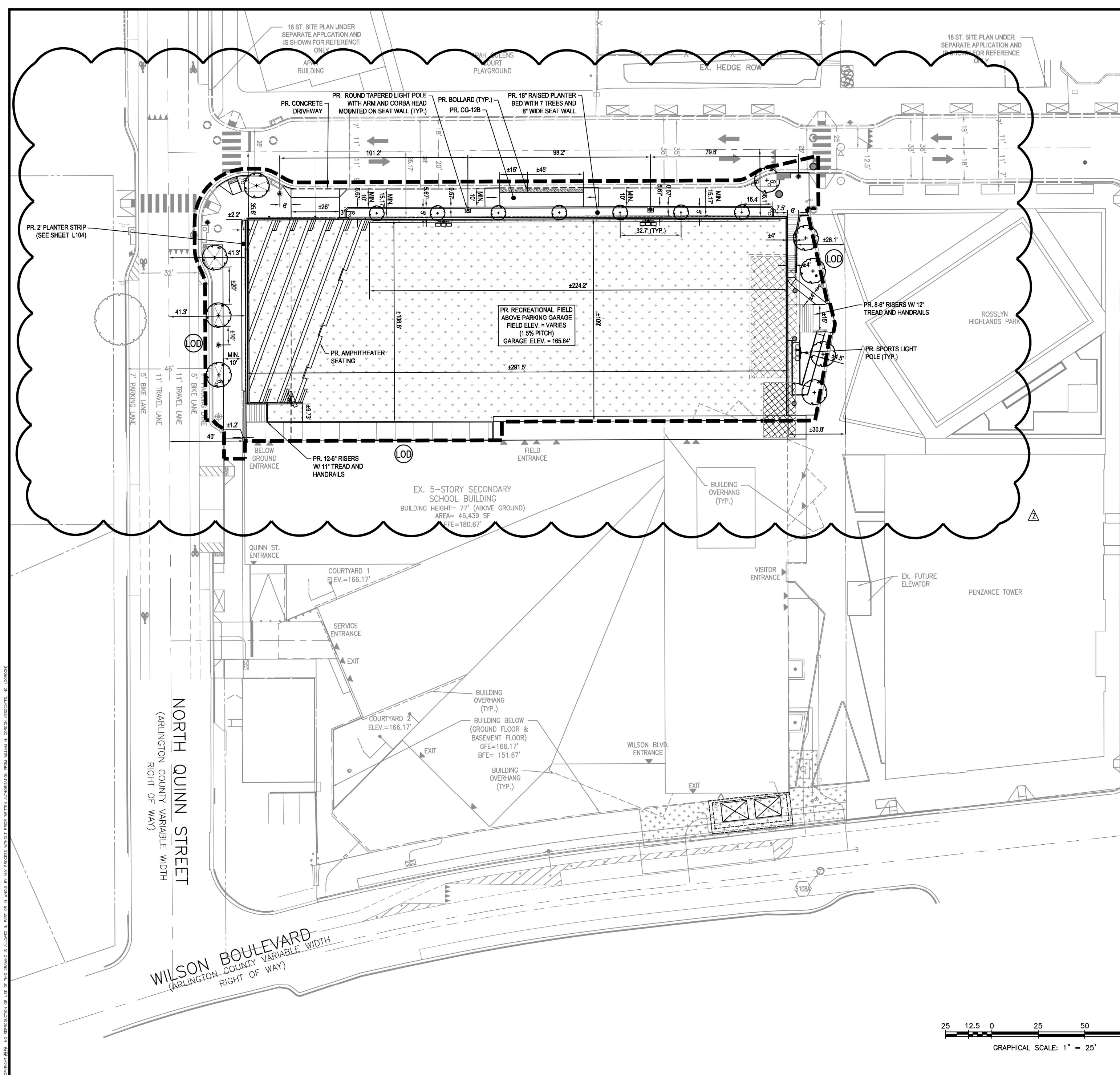
APS HEIGHTS PHASE 2

1601 WILSON BLVD, ARLINGTON, VA 22209

Client Project Number 2203115
VMDO Project Number 1316



Checked By A. VERDI
Drawn By L. ARANGO



18TH STREET NORTH
(ARLINGTON COUNTY VARIABLE WIDTH
RIGHT OF WAY)

SITE LAYOUT NOTES:

- UNLESS OTHERWISE NOTED, ALL CURB RETURN RADI SHALL BE 5'.
- STREETScape DIMENSIONS ARE DELINEATED PER WESTERN ROSSLYN AREA PLANNING STUDY (WRAPS) PROGRAM.
- BUILDING DIMENSIONS SHOWN FOR REFERENCE ONLY. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.
- 18TH STREET IMPROVEMENTS, BEYOND THOSE PROVIDED ON THIS PLAN, SHALL BE SHOWN UNDER SEPARATE CONTRACT.
- CONTRACTOR TO COORDINATE LOCATION OF ELECTRIC AND TELECOMMUNICATION SERVICE WITH UTILITY COMPANY.
- AVERAGE SITE ELEVATION AT PROPOSED PROPERTY LINE IS 176.17.

NOTE:
PARKING GARAGE IS SUBJECT TO APPROVAL OF A USE PERMIT AMENDMENT BY THE COUNTY BOARD PER USE PERMIT CONDITION #66.

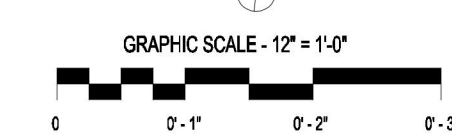
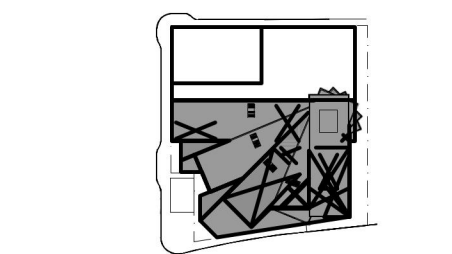
Gordon
PROGRAMMING AND PLANNING
CIVIL ENGINEERING
LANDSCAPE ARCHITECTURE
SURVEY AND MAPPING
SECURITY AND INFRASTRUCTURE
CONSULTING

REVISIONS	NUMBER	DATE	DESCRIPTION

SUR: GORDON
DES: L. ARANGO
DRW: L. ARANGO
CHK: A. VERDI

SEAL:

PRESENTATION PLAN
**WILSON SCHOOL
USE PERMIT AMENDMENT**
ARLINGTON COUNTY, VIRGINIA



DRAWING NOT FOR CONSTRUCTION

ISSUES AND REVISIONS	NO.	SUBMITTAL	DATE
USE PERMIT AMENDMENT #6			02/07/2022
USE PERMIT AMENDMENT #6 RESUBMISSION			06/24/2022

PRESENTATION PLAN

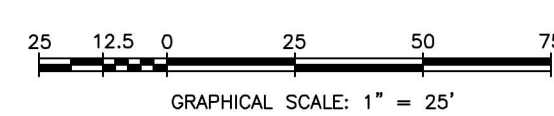
ARLINGTON, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

PRESENTATION PLAN
Wilson School
1601 Wilson Blvd., Arlington, VA 22201

SCALE: HORIZ. AS NOTED
VERT. 1" = 25'
SUBMITTED DATE: 02/05/2022
DESIGNED BY: L. ARANGO
CHECKED BY: A. VERDI
APPROVED DATE:

APPROVED DATE:	CHEF TRANSPORTATION PLANNING BUREAU	APPROVED DATE:	CHEF BIMETRIC ENGINEERING BUREAU
APPROVED DATE:	CHEF WATER/SEWER & STREETS BUREAU	APPROVED DATE:	CHEF CIVIL ENGINEERING BUREAU
APPROVED DATE:	CHEF ENGINEERING BUREAU	APPROVED DATE:	DIRECTOR OF ENVIRONMENTAL SERVICES

DRAWING NAME: C-CP-101.DWG
PROJECT: WILSON SCHOOL
SHEET: C302 OF 21



SCALE: HORIZ. 1" = 25'
VERT. 1" = 25'
DATE: 02/07/2022
PLAN: USE PERMIT AMENDMENT
JOB: 2922-0110
CADD: C-CP-101.DWG
NCS: C302
NUMBER: C302 OF 21

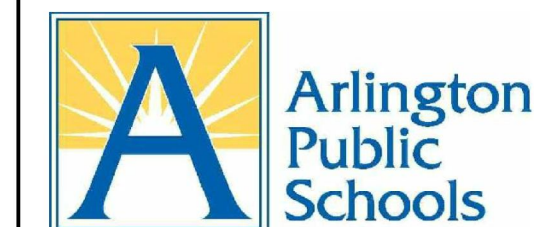


C302

VMDO

VMDO Architects
 2500 Market Street
 Charlottesville, VA 22902

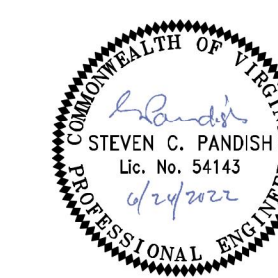
Gordon
 PROGRAMMING AND PLANNING
 CIVIL ENGINEERING
 LANDSCAPE ARCHITECTURE
 SURVEY AND MAPPING
 SECURITY CONSULTING



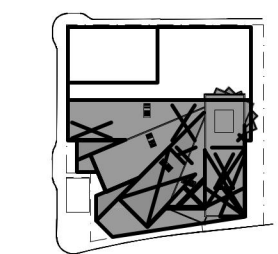
ARLINGTON PUBLIC SCHOOLS
 APS HEIGHTS PHASE 2

1601 WILSON BLVD, ARLINGTON, VA 22209

Client Project Number: 2203115
 VMDO Project Number: 1316



Checked By: K. RYAN
 Drawn By: A. BLACKWELL



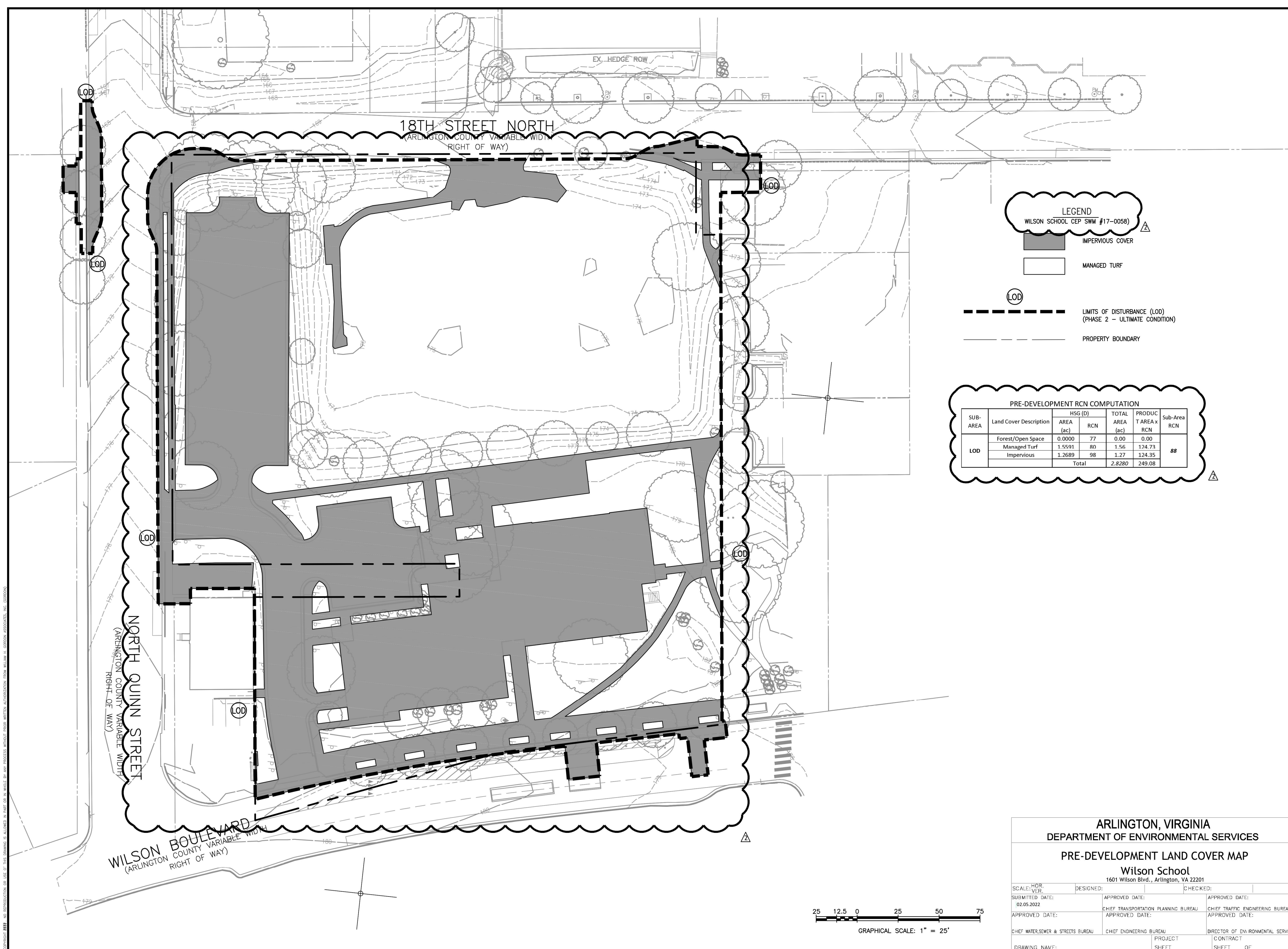
GRAPHIC SCALE: 1" = 1'-0"
 0 0'-1" 0'-2" 0'-3"

DRAWING NOT FOR CONSTRUCTION

NO.	SUBMITTAL	DATE
1	USE PERMIT AMENDMENT #1	02/07/2022
2	USE PERMIT AMENDMENT #2 RESUBMISSION	06/24/2022

PRE-DEVELOPMENT LAND COVER MAP

C500



LEGEND
 WILSON SCHOOL CEP SWM #17-0056

[Solid Grey]	IMPERVIOUS COVER
[White]	MANAGED TURF
[Dashed Line]	LIMITS OF DISTURBANCE (LOD) (PHASE 2 - ULTIMATE CONDITION)
[Dotted Line]	PROPERTY BOUNDARY

PRE-DEVELOPMENT RCN COMPUTATION

SUB-AREA	Land Cover Description	HSG. ID		TOTAL AREA (ac)	PRODUC T AREA RCN	Sub-Area RCN
		AREA (ac)	RCN			
LOD	Forest/Open Space	0.0000	77	0.00	0.00	##
	Managed Turf	1.9591	80	1.56	124.71	
	Impervious	1.2689	98	1.27	124.35	
Total				2.8280	249.08	

ARLINGTON, VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL SERVICES
PRE-DEVELOPMENT LAND COVER MAP
 Wilson School
 1601 Wilson Blvd., Arlington, VA 22201

SCALE: HOR: 1" = 25'	DESIGNED: []	CHECKED: []
SUBMITTED DATE: 02.05.2022	APPROVED DATE: []	APPROVED DATE: []
APPROVED DATE: []	CHIEF TRANSPORTATION PLANNING BUREAU: []	CHIEF TRAFFIC ENGINEERING BUREAU: []
APPROVED DATE: []	CHIEF WATERSEWER & STREETS BUREAU: []	CHIEF ENGINEERING BUREAU: []
DRAWING NAME: []	PROJECT: []	CONTRACT: []

Gordon
 PROGRAMMING AND PLANNING
 CIVIL ENGINEERING
 LANDSCAPE ARCHITECTURE
 SURVEY AND MAPPING
 SECURITY CONSULTING

REVISIONS	NUMBER	DATE	DESCRIPTION

SUR: GORDON
 DES: K. RYAN
 DRW: K. RYAN
 CHK: S. PANDISH

SEAL:

PRE-DEVELOPMENT LAND COVER MAP
WILSON SCHOOL
USE PERMIT AMENDMENT
 DISTRICT: ARLINGTON COUNTY, VIRGINIA

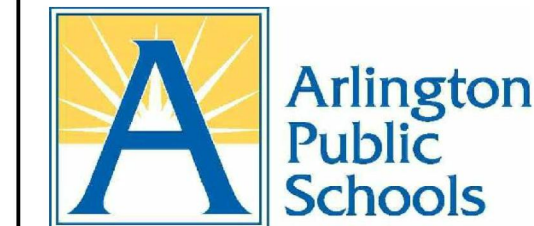
HORIZ: 1"=25'
 SCALE: VERT: N/A
 DATE: 02/07/2022
 PLAN: USE PERMIT AMENDMENT
 JOB: 2822-0110
 CADD: C-CJ-101.DWG
 NCS: C-CJ-101
 NUMBER: C500 OF 21



VMDO

VMDO Architects
 3500 Market Street
 Charlottesville, VA 22902

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 SURVEY AND MAPPING
 SECURITY CONSULTING
 4501 Daly Drive
 Chantilly, VA 20151
 Phone: 703-263-1900
 www.gordon.us.com

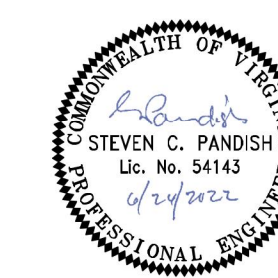


ARLINGTON PUBLIC SCHOOLS

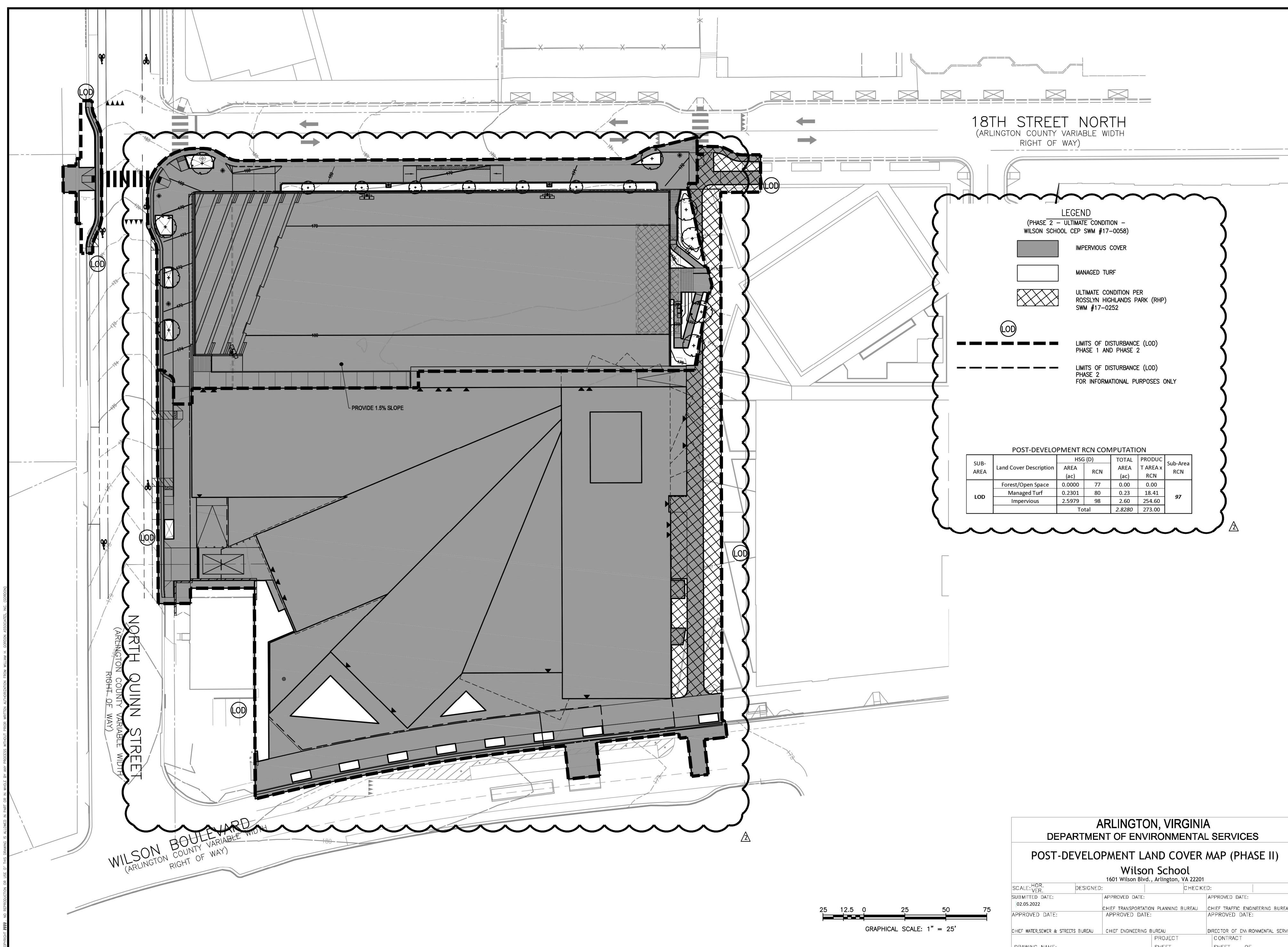
APS HEIGHTS PHASE 2

1601 WILSON BLVD, ARLINGTON, VA 22209

Client Project Number 2203115
 VMDO Project Number 1316



Checked By K. RYAN
 Drawn By A. BLACKWELL



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REVISIONS	NUMBER	DATE	DESCRIPTION

SUR: GORDON
 DES: K. RYAN
 DRW: K. RYAN
 CHK: S. PANDISH

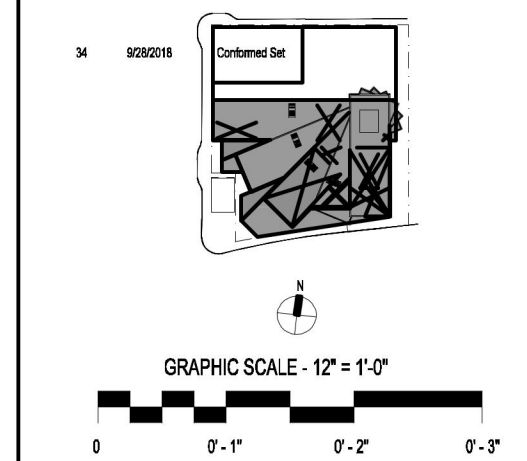
SEAL:

POST-DEVELOPMENT LAND COVER MAP (PHASE II)
WILSON SCHOOL
USE PERMIT AMENDMENT
 DISTRICT OF ARLINGTON COUNTY, VIRGINIA

ARLINGTON, VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL SERVICES
POST-DEVELOPMENT LAND COVER MAP (PHASE II)
 Wilson School
 1601 Wilson Blvd., Arlington, VA 22201

GRAPHICAL SCALE: 1" = 25'

HORIZ: 1"=25'
 SCALE: VERT: N/A
 DATE: 02/07/2022
 PLAN: USE PERMIT AMENDMENT
 JOB: 2822-0110
 CADD: C-CJ-102.DWG
 NCS: C-CJ-102
 NUMBER: C501 OF 21
Gordon

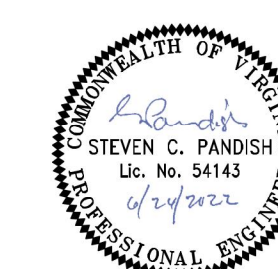


DRAWING NOT FOR CONSTRUCTION

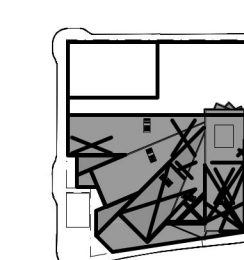
ISSUES AND REVISIONS	NO.	SUBMITTAL	DATE
USE PERMIT AMENDMENT #1			02/07/2022
USE PERMIT AMENDMENT #2 RESUBMISSION			06/24/2022

POST-DEVELOPMENT LAND COVER MAP (PHASE II)

C501



Checked By **K. RYAN**
 Drawn By **A. BLACKWELL**



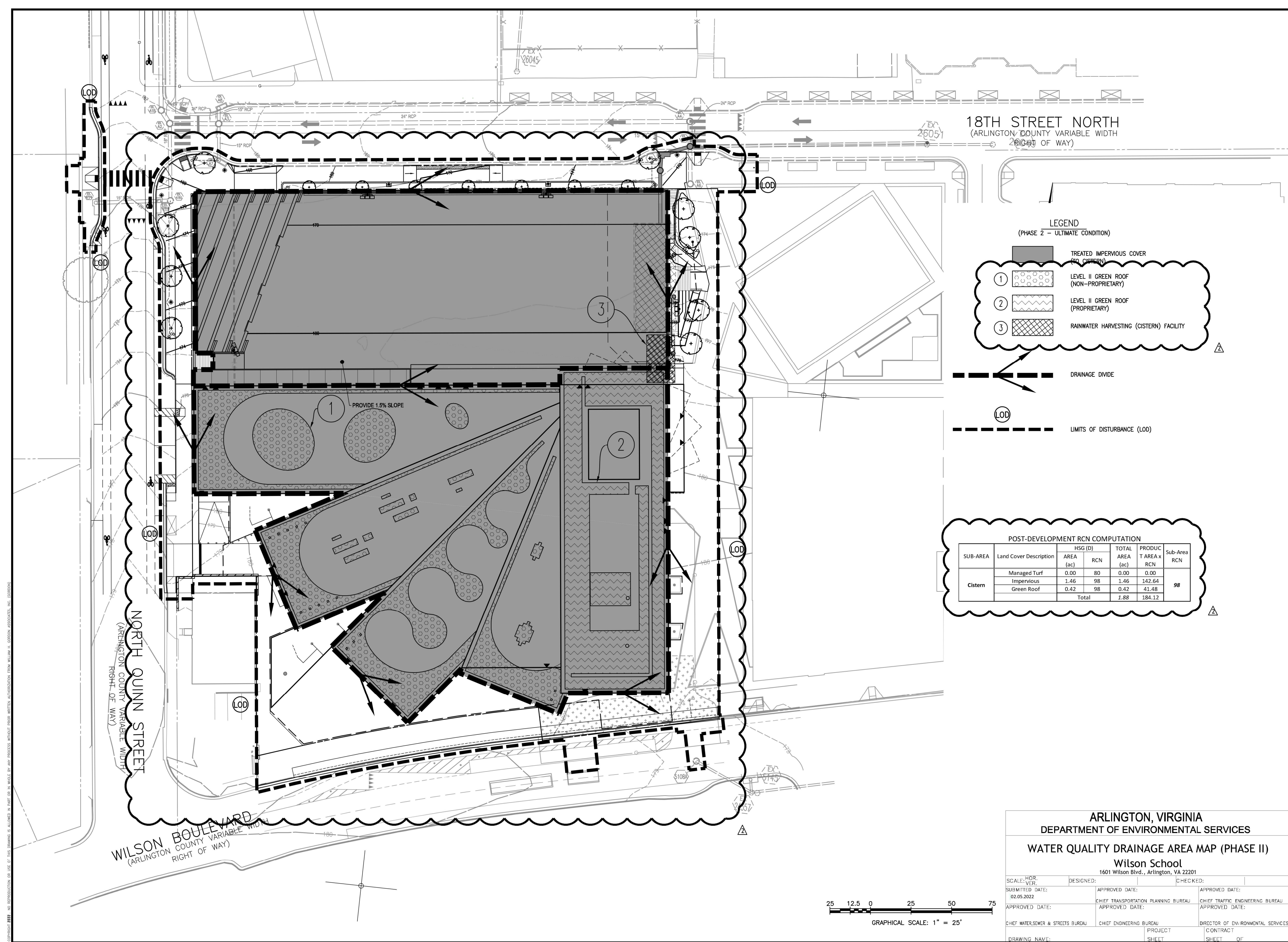
GRAPHIC SCALE: 1" = 1'-0"

DRAWING NOT FOR CONSTRUCTION

NO.	SUBMITTAL	DATE
1	USE PERMIT AMENDMENT #1	02/07/2022
2	USE PERMIT AMENDMENT #2 RESUBMISSION	06/24/2022

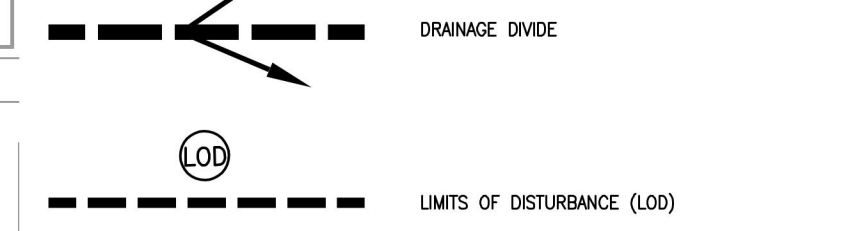
ISSUES AND REVISIONS

WATER QUALITY DRAINAGE AREA MAP (PHASE II)



LEGEND
 (PHASE 2 - ULTIMATE CONDITION)

[Symbol]	TREATED IMPERVIOUS COVER
[Symbol 1]	LEVEL II GREEN ROOF (NON-PROPRIETARY)
[Symbol 2]	LEVEL II GREEN ROOF (PROPRIETARY)
[Symbol 3]	RAINWATER HARVESTING (CISTERN) FACILITY



POST-DEVELOPMENT RCN COMPUTATION

SUB-AREA	Land Cover Description	ISSC (SQ)		TOTAL PRODUCTION		Sub-Area RCN
		AREA (sq)	RCN	AREA (sq)	RCN	
Cistern	Managed Turf	0.00	80	0.00	0.00	98
	Impervious	1.46	98	1.46	162.64	
	Green Roof	0.42	58	0.42	41.48	
Total		1.88	186.12			

ARLINGTON, VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL SERVICES
WATER QUALITY DRAINAGE AREA MAP (PHASE II)
 Wilson School
 1601 Wilson Blvd., Arlington, VA 22201

SCALE: HOR	DESIGNED:	CHECKED:
SCALE: VERT	APPROVED DATE:	APPROVED DATE:
SUBMITTED DATE:	CHIEF TRANSPORTATION PLANNING BUREAU:	CHIEF TRAFFIC ENGINEERING BUREAU:
APPROVED DATE:	APPROVED DATE:	APPROVED DATE:
CHIEF WATER SENIOR & STREETS BUREAU:	CHIEF ENGINEERING BUREAU:	DIRECTOR OF ENVIRONMENTAL SERVICES:
PROJECT:	CONTRACT:	
SUBJECT:	SUBJECT:	

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 PROGRAMMING AND PLANNING
 CIVIL ENGINEERING
 LANDSCAPE ARCHITECTURE
 SURVEY AND MAPPING
 SECURITY CONSULTING
 4501 Daly Drive
 Chantilly, VA 20151
 Phone: 703-263-1900
 www.gordon.us.com

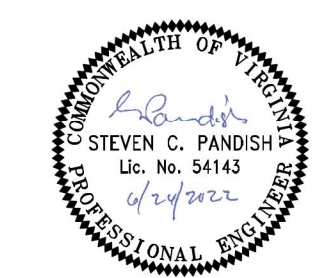
REVISIONS	NUMBER	DATE	DESCRIPTION

SUR: GORDON
 DES: K. RYAN
 DRW: K. RYAN
 CHK: S. PANDISH

SEAL:

WATER QUALITY DRAINAGE AREA MAP (PHASE II)
WILSON SCHOOL
USE PERMIT AMENDMENT
 DISTRICT OF ARLINGTON COUNTY, VIRGINIA

HORIZ: 1"=25'
 SCALE: VERT: N/A
 DATE: 02/07/2022
 PLAN: USE PERMIT AMENDMENT
 JOB: 2822-0110
 CADD: C-CJ-103.DWG
 NCS: C-CJ-103
 NUMBER: C502 OF 21
Gordon



Checked By **K. RYAN**
 Drawn By **A. BLACKWELL**

WATER QUALITY REQUIREMENT COMPUTATIONS – PHASE 2 ULTIMATE CONDITION

DEQ Virginia Runoff Reduction Method Re-Development Compliance Spreadsheet - Version 3.0

Project Name: **Wilson School Use Permit**
 Date: **6/24/2022**
 Linear Development Project? **No**
 CLEAR ALL

Site Information

Post-Development Project (Treatment Volume and Loads)

Enter Total Disturbed Area (acres) → **2.8280**

Maximum reduction required: **20%**
 The site's net increase in impervious cover (acres) is: **1.3290**
 Post-Development TP Load Reduction for Site (lb/yr): **2.9108**

Check:
 Linear project? **No**
 BMP Design Specifications List: **2013 Draft Stds &**
 Land cover areas entered correctly? **✓**
 Total disturbed area entered? **✓**

Pre-ReDevelopment Land Cover (acres)

	A Soils	B Soils	C Soils	D Soils	Totals
Forest/Open Space (acres) -- undisturbed, protected forest/open space or reforested land				0.0000	0.0000
Managed Turf (acres) -- disturbed, graded for yards or other turf to be mowed/managed				1.5591	1.5591
Impervious Cover (acres)				1.2689	1.2689
Totals					2.8280

Post-Development Land Cover (acres)

	A Soils	B Soils	C Soils	D Soils	Totals
Forest/Open Space (acres) -- undisturbed, protected forest/open space or reforested land				0.0000	0.0000
Managed Turf (acres) -- disturbed, graded for yards or other turf to be mowed/managed				0.2301	0.2301
Impervious Cover (acres)				2.5979	2.5979
Totals					2.8280

Constants

Annual Rainfall (inches)	43
Target Rainfall Event (inches)	1.00
Total Phosphorus (TP) (mg/L)	0.26
Total Nitrogen (TN) (mg/L)	1.36
Target TP Load (lb/acre/yr)	0.41
fj (unitless correction factor)	0.90

Runoff Coefficients (Rv)

	A Soils	B Soils	C Soils	D Soils
Forest/Open Space	0.02	0.03	0.04	0.05
Managed Turf	0.15	0.20	0.22	0.25
Impervious Cover	0.95	0.95	0.95	0.95

LAND COVER SUMMARY -- PRE-REDEVELOPMENT

Pre-ReDevelopment	Listed	Adjusted ¹
Forest/Open Space Cover (acres)	0.0000	0.0000
Weighted Rv(forest)	0.0000	0.0000
% Forest	0%	0%
Managed Turf Cover (acres)	1.5591	0.2301
Weighted Rv(turf)	0.2500	0.2500
% Managed Turf	55%	15%
Impervious Cover (acres)	1.2689	1.2689
Rv(impervious)	0.9500	0.9500
% Impervious	45%	85%
Total Site Area (acres)	2.8280	1.4990
Site Rv	0.5641	0.8426

Treatment Volume and Nutrient Load

Pre-ReDevelopment Treatment Volume (acre-ft)	0.1329	0.1052
Pre-ReDevelopment Treatment Volume (cubic feet)	5,790.7333	4,584.6500
Pre-ReDevelopment TP Load (lb/yr)	3.6383	2.8805
Pre-ReDevelopment TP Load per acre (lb/acre/yr)	1.2900	1.9200
Baseline TP Load (lb/yr) (0.41 lb/acre/yr applied to pre-redevelopment area excluding pervious land proposed for new impervious cover)		0.6146

LAND COVER SUMMARY -- POST DEVELOPMENT

Post ReDev. & New Impervious	Post-ReDevelopment	Post-Development New Impervious
Forest/Open Space Cover (acres)	0.0000	
Weighted Rv(forest)	0.0000	
% Forest	0%	
Managed Turf Cover (acres)	0.2301	
Weighted Rv (turf)	0.2500	
% Managed Turf	8%	
Impervious Cover (acres)	2.5979	1.3290
Rv(impervious)	0.9500	0.9500
% Impervious	92%	85%
Final Site Area (acres)	2.8280	1.4990
Final Post Dev Site Rv	0.8931	0.8426

Treatment Volume and Nutrient Load

Final Post-Development Treatment Volume (acre-ft)	0.2105	0.1052
Final Post-Development Treatment Volume (cubic feet)	9,167.7667	4,584.6500
Final Post-Development TP Load (lb/yr)	5.7601	2.8796
Final Post-Development TP Load per acre (lb/acre/yr)	2.0400	1.9200
Max. Reduction Required (Below Pre-Development Load)	20%	
TP Load Reduction Required for Redeveloped Area (lb/yr)	0.5761	
TP Load Reduction Required for New Impervious Area (lb/yr)		2.3347

¹Adjusted Land Cover Summary: Pre-ReDevelopment land cover minus pervious land cover (forest/open space or managed turf) acreage proposed for new impervious cover.

Adjusted total acreage is consistent with Post-ReDevelopment acreage (minus acreage of new impervious cover).

Column 1 shows load reduction requirement for new impervious cover (based on new development load limit, 0.41 lb/acre/yr).

Post-Development Requirement for Site Area

TP Load Reduction Required (lb/yr)	2.9108
------------------------------------	--------

Nitrogen Loads (Informational Purposes Only)

Pre-ReDevelopment TN Load (lb/yr)	26.0279	Final Post-Development TN Load (Post-ReDevelopment & New Impervious) (lb/yr)	41.2068
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WATER QUALITY NARRATIVE

THE TOTAL APPLICABLE AREA IS DEFINED BY THE APPROXIMATE LIMITS OF DISTURBANCE (LOD) OF 2.8 ACRES IN THE PHASE 2 ULTIMATE CONDITION DURING THE INTERIM CONDITION WHEN THE TEMPORARY FIRE STATION OCCUPIES PART OF THE SITE. WATER QUALITY COMPLIANCE FOR THE GREEN ROOF AND RAINWATER HARVESTING FACILITY. THE RAINWATER HARVESTING FACILITY WILL COLLECT WATER FROM THE ROOF ONLY. WATER QUALITY CONTROL FOR THE TEMPORARY FIRE STATION WILL BE PROVIDED UNDER SEPARATE SUBMISSION AND IS NOT PROVIDED IN THIS PLAN. IN THE PHASE 2 ULTIMATE CONDITION, WATER QUALITY COMPLIANCE FOR THE SITE IS ACHIEVED BY THE GREEN ROOF AND RAINWATER HARVESTING FACILITY. THE RAINWATER HARVESTING FACILITY WILL COLLECT WATER FROM THE ROOF AND SYNTHETIC TURF FIELD.

AS DISCUSSED IN THE MEETING WITH ARLINGTON COUNTY ON NOVEMBER 1, 2016 AND PER THE MEETING MINUTES DATED NOVEMBER 15, 2016, "ARLINGTON COUNTY ACKNOWLEDGES THAT, AS A RESULT OF THE COMPLICATIONS PROVIDED TO THE WILSON SCHOOL PROJECT, FULL STORMWATER MANAGEMENT REQUIREMENTS WOULD BE DIFFICULT TO MEET DURING THE PHASE 1 INTERIM CONDITION. THEREFORE, ARLINGTON COUNTY ASKS THAT AS MUCH OF THE STORMWATER MANAGEMENT COME ON-LINE AS POSSIBLE IN THE PHASE 1 INTERIM CONDITION." A RAINWATER HARVESTING SYSTEM WILL BE CONSTRUCTED IN THE INTERIM CONDITION BUT SIZED TO MEET THE ULTIMATE WATER QUALITY STORAGE REQUIREMENTS.

AMENDMENT #2: THE WILSON SCHOOL CEP APPLICATION (SWM #17-0058) WAS APPROVED ON 10/24/17 AND ESTABLISHED A PHASE 2 CONDITION ON THE SITE, WHICH WAS A SIDEWALK ALONG THE EASTERN PROPERTY BOUNDARY. THE ROSSLYN HIGHLANDS PARK PLAN (SWM #17-0252, WEST ROSSLYN SITE PLAN #445) WAS PROCESSED SUBSEQUENT TO THE WILSON SCHOOL CEP AND PROPOSED DISTURBANCE AND IMPERVIOUS AREA ON THE WILSON SCHOOL APS PROPERTY TO ESTABLISH THE ULTIMATE CONDITION OF ROSSLYN HIGHLANDS PARK. THIS USE PERMIT AMENDMENT (AND SUBSEQUENT CEP REVISION) TO THE WILSON SCHOOL APPLICATION PROPOSES RE-DISTURBANCE OF A PORTION OF THIS AREA TO PROVIDE NEW CONNECTIONS BETWEEN THE SYNTHETIC TURF FIELD, UNDERGROUND GARAGE, AND ROSSLYN HIGHLANDS PARK. THE STORMWATER MANAGEMENT COMPUTATIONS ARE BASED ON THE PREVIOUSLY ESTABLISHED PHASE 2 CONDITION OF THIS SITE, WITH REVISIONS ONLY TO THE AREAS PROPOSED TO BE RE-DISTURBED WITH THIS APPLICATION. ALL OTHER STORMWATER MANAGEMENT DUE TO CHANGES ON THE WILSON SCHOOL APS PROPERTY FOR THE ROSSLYN HIGHLANDS PARK CAN BE FOUND ON THAT APPLICATION.

ARLINGTON, VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL SERVICES

WATER QUALITY COMPUTATIONS (PHASE II)
 Wilson School
 1601 Wilson Blvd., Arlington, VA 22201

SCALE: HOR: VERT: N/A	DESIGNED: []	CHECKED: []
SUBMITTED DATE: 02.05.2022	APPROVED DATE: []	APPROVED DATE: []
APPROVED DATE: []	CHIEF TRANSPORTATION PLANNING BUREAU	CHIEF TRAFFIC ENGINEERING BUREAU
APPROVED DATE: []	APPROVED DATE: []	APPROVED DATE: []
CHIEF WATERWAYS & STREETS BUREAU	CHIEF ENGINEERING BUREAU	DIRECTOR OF ENVIRONMENTAL SERVICES
DRAWING NAME: []	PROJECT: []	CONTRACT: []
	SELECT: []	SELECT: []

Gordon
 PROGRAMMING AND PLANNING
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 SURVEY AND MAPPING
 SECURITY CONSULTING

4501 Daily Drive
 Chantilly, VA 20151
 Phone: 703-263-1900
 www.gordon.us.com

REVISIONS

NUMBER	DATE	DESCRIPTION

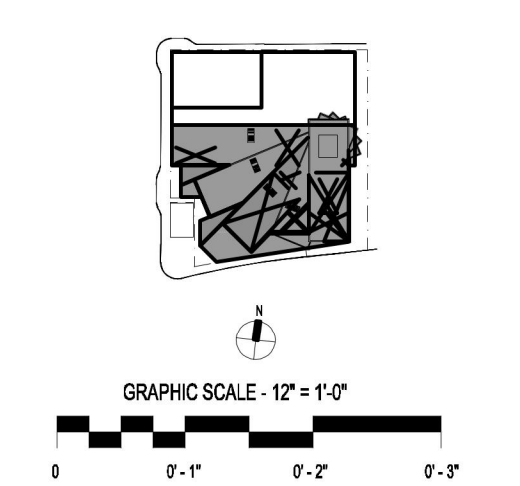
SUR: GORDON
 DES: K. RYAN
 DRW: S. PANDISH
 CHK: S. PANDISH

SEAL:

WATER QUALITY COMPUTATIONS (PHASE II)
WILSON SCHOOL USE PERMIT AMENDMENT
 DISTRICT OF ARLINGTON COUNTY, VIRGINIA

HORIZ: N/A
 SCALE: VERT: N/A
 DATE: 02/07/2022
 PLAN: USE PERMIT AMENDMENT
 JOB: 2892-0110
 CADD: C-CJ-110.DWG
 NCS: C-CJ-110
 NUMBER: C504 OF 21

Gordon

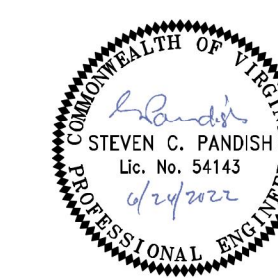


DRAWING NOT FOR CONSTRUCTION

ISSUES AND REVISIONS

NO.	SUBMITTAL	DATE
1	USE PERMIT AMENDMENT #2	02/07/2022
2	USE PERMIT AMENDMENT #2 RESUBMISSION	06/24/2022

WATER QUALITY COMPUTATIONS (PHASE II)



Checked By **K. RYAN**
Drawn By **A. BLACKWELL**

WATER QUALITY COMPLIANCE COMPUTATIONS – PHASE 2 ULTIMATE CONDITION

Drainage Area A

Drainage Area A Land Cover (acres)	A Soils	B Soils	C Soils	D Soils	Totals	Land Cover Fv
Forest/Open Space (acres)				0.0000	0.0000	0.0000
Managed Turf (acres)				0.2301	0.2301	0.2500
Impervious Cover (acres)				2.5979	2.5979	0.9500
Total				2.8280		

CLEAR BMP AREAS

Total Phosphorus Available for Removal in D.A. A (lb/yr) 5.7601
Post Development Treatment Volume in D.A. A (ft³) 9,167.7667

Stormwater Best Management Practices (RR = Runoff Reduction)

Practice	Runoff Reduction Credit (%)	Managed Turf Credit Area (acres)	Impervious Cover Credit Area (acres)	Volume from Upstream Practice (ft ³)	Runoff Reduction (ft ³)	Remaining Runoff Volume (ft ³)	Total BMP Treatment Volume (ft ³)	Phosphorus Removal Efficiency (%)	Phosphorus Load from Upstream Practices (lb)	Untreated Phosphorus Load to Practice (lb)	Phosphorus Removed by Practice (lb)	Remaining Phosphorus Load (lb)	Downstream Practice to be Employed
1. Vegetated Roof (RR)													
1.b. Vegetated Roof #2 (Spec #5)	60		0.4233		875.8525	583.9017	1,459.7542	0		0.9161	0.5497	0.3664	2.h. To Train Barrel, Rain Tank, or Cistern
2. Rooftop Disconnection (RR)													
2.h. To Rainwater Harvesting (Spec #6)	68.8467		1.4555	583.9017	3,857.5276	1,745.5407	5,603.0683	0	0.3664	3.1500	2.4209	1.0955	

Nitrogen Removal Efficiency (%)	Nitrogen Load from Upstream Practices (lbs)	Untreated Nitrogen Load to Practice (lbs)	Nitrogen Removed By Practice (lbs)	Remaining Nitrogen Load (lbs)
0		6.5538	3.9323	2.6215
0	2.6215	22.5343	17.3190	7.8369

TOTAL IMPERVIOUS COVER TREATED (ac) 1.8788 AREA CHECK: OK.
TOTAL MANAGED TURF AREA TREATED (ac) 0.0000 AREA CHECK: OK.
TOTAL RUNOFF REDUCTION IN D.A. A (ft³) 4,733.3801

TOTAL PHOSPHORUS AVAILABLE FOR REMOVAL IN D.A. A (lb/yr) 5.7601
TOTAL PHOSPHORUS REMOVED WITH RUNOFF REDUCTION PRACTICES IN D.A. A (lb/yr) 2.9706
TOTAL PHOSPHORUS REMAINING AFTER APPLYING RUNOFF REDUCTION PRACTICES IN D.A. A (lb/yr) 2.7895

SEE WATER QUALITY COMPLIANCE TAB FOR SITE COMPLIANCE CALCULATIONS

A DRAINAGE AREA-A COMPLIANCE COMPUTATIONS

Site Results (Water Quality Compliance)

Area Checks	D.A. A	D.A. B	D.A. C	D.A. D	D.A. E	AREA CHECK
FOREST/OPEN SPACE (ac)	0.0000	0.0000	0.0000	0.0000	0.0000	OK
IMPERVIOUS COVER (ac)	2.5979	0.0000	0.0000	0.0000	0.0000	OK
IMPERVIOUS COVER TREATED (ac)	1.8788	0.0000	0.0000	0.0000	0.0000	OK
MANAGED TURF AREA (ac)	0.2301	0.0000	0.0000	0.0000	0.0000	OK
MANAGED TURF AREA TREATED (ac)	0.0000	0.0000	0.0000	0.0000	0.0000	OK
AREA CHECK	OK	OK	OK	OK	OK	

Site Treatment Volume (ft³) 9,167.7667

Runoff Reduction Volume and TP By Drainage Area

	D.A. A	D.A. B	D.A. C	D.A. D	D.A. E	TOTAL
RUNOFF REDUCTION VOLUME ACHIEVED (ft ³)	4,733.3801	0.0000	0.0000	0.0000	0.0000	4,733.3801
TP LOAD AVAILABLE FOR REMOVAL (lb/yr)	5.7601	0.0000	0.0000	0.0000	0.0000	5.7601
TP LOAD REDUCTION ACHIEVED (lb/yr)	2.9706	0.0000	0.0000	0.0000	0.0000	2.9706
TP LOAD REMAINING (lb/yr)	2.7895	0.0000	0.0000	0.0000	0.0000	2.7895
NITROGEN LOAD REDUCTION ACHIEVED (lb/yr)	21.2512	0.0000	0.0000	0.0000	0.0000	21.2512

Total Phosphorus
FINAL POST-DEVELOPMENT TP LOAD (lb/yr) 5.7601
TP LOAD REDUCTION REQUIRED (lb/yr) 2.9706
TP LOAD REDUCTION ACHIEVED (lb/yr) 2.9706
TP LOAD REMAINING (lb/yr) 2.7895
REMAINING TP LOAD REDUCTION REQUIRED (lb/yr) 0.0000
** TARGET TP REDUCTION EXCEEDED BY 0.0598 LB/YEAR **

Total Nitrogen (For Information Purposes)
POST-DEVELOPMENT LOAD (lb/yr) 41.2068
NITROGEN LOAD REDUCTION ACHIEVED (lb/yr) 21.2512
REMAINING POST-DEVELOPMENT NITROGEN LOAD (lb/yr) 19.9555

B WATER QUALITY COMPLIANCE SUMMARY

ARLINGTON, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES
WATER QUALITY COMPUTATIONS (PHASE II)
Wilson School
1601 Wilson Blvd., Arlington, VA 22201

SCALE: HOR: 1"=100'	DESIGNED: []	CHECKED: []
DATE: 02/07/2022	APPROVED DATE: []	APPROVED DATE: []
PROJECT: []	PROJECT: []	PROJECT: []

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LANDSCAPE ARCHITECTURE
SURVEY AND MAPPING
SECURITY CONSULTING
4501 Daily Drive
Chantilly, VA 20151
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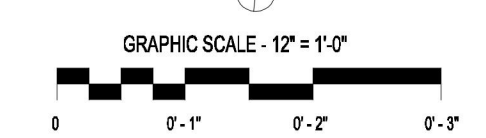
REVISIONS	NUMBER	DATE	DESCRIPTION

SUR: GORDON
DES: K. RYAN
CHK: S. PANDISH
DRW: K. RYAN



WATER QUALITY COMPUTATIONS (PHASE II)
WILSON SCHOOL
USE PERMIT AMENDMENT
DISTRICT COUNTY, VIRGINIA
ARLINGTON COUNTY, VIRGINIA

HORIZ: N/A
SCALE: VERT: N/A
DATE: 02/07/2022
PLAN: USE PERMIT AMENDMENT
JOB: 2822-0110
CADD: C-CJ-110.DWG
NCS: C-CJ-110
NUMBER: C505 OF 21
Gordon



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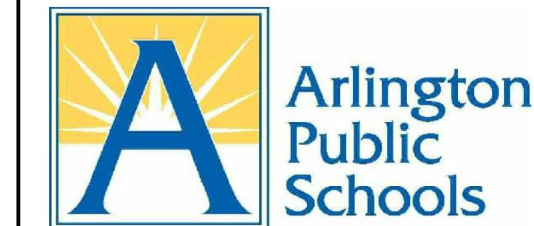
ISSUES AND REVISIONS	DATE
NO. SUBMITTAL	
USE PERMIT AMENDMENT #2	02/07/2022
USE PERMIT AMENDMENT #2 RESUBMISSION	06/24/2022

WATER QUALITY COMPUTATIONS (PHASE II)

VMDO

VMDO Architects
 3500 Market Street
 Charlottesville, VA 22902

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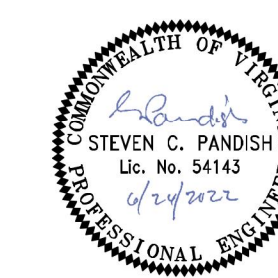


ARLINGTON PUBLIC SCHOOLS

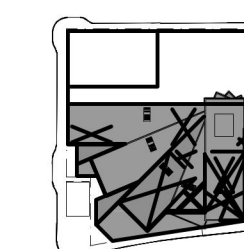
APS HEIGHTS PHASE 2

1601 WILSON BLVD, ARLINGTON, VA 22209

Client Project Number 2203115
 VMDO Project Number 1316



Checked By **K. RYAN**
 Drawn By **A. BLACKWELL**



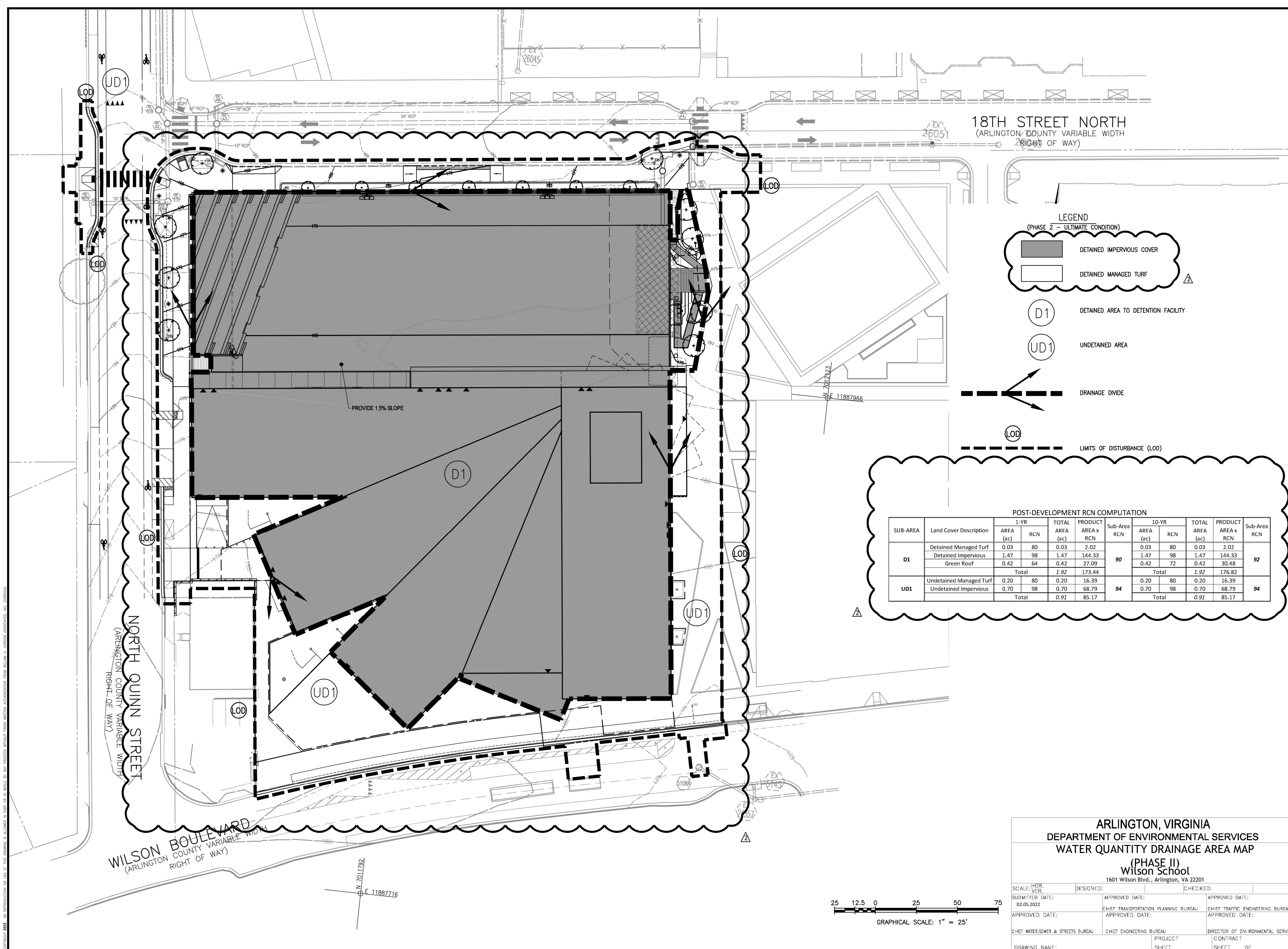
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ISSUES AND REVISIONS	DATE
NO. SUBMITTAL	
USE PERMIT AMENDMENT #1	02/07/2022
USE PERMIT AMENDMENT #2 RESUBMISSION	06/24/2022

WATER QUANTITY DRAINAGE AREA MAP (PHASE II)

C507



LEGEND
 (PHASE 2 - ULTIMATE CONDITION)

- DETAINED IMPERVIOUS COVER
- DETAINED MANAGED TURF
- D1 DETAINED AREA TO DETENTION FACILITY
- UD1 UNDETAINED AREA
- DRAINAGE DIVIDE
- LIMITS OF DISTURBANCE (LOD)

POST-DEVELOPMENT RCN COMPUTATION

SUB-AREA	Land Cover Description	1-YR		TOTAL		PRODUCT		Sub-Area RCN	10-YR		TOTAL		PRODUCT		Sub-Area RCN
		AREA (sq)	RCN	AREA (sq)	RCN	AREA (sq)	RCN		AREA (sq)	RCN	AREA (sq)	RCN	AREA (sq)	RCN	
D1	Detained Managed Turf	0.03	80	0.03	2.02	0.03	80	0.03	2.02	90	1.47	98	1.47	144.33	92
	Detained Impervious	1.47	98	1.47	144.33	1.47	98	1.47	144.33						
	Green Roof	0.42	64	0.42	27.09	0.42	72	0.42	30.48						
	Total			1.92	173.44			1.92	176.82						
UD1	Undetained Managed Turf	0.20	80	0.20	16.39	0.20	80	0.20	16.39	94	0.70	98	0.70	68.79	94
	Undetained Impervious	0.70	98	0.70	68.79	0.70	98	0.70	68.79						
	Total			0.92	85.17			0.92	85.17						

ARLINGTON, VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL SERVICES
 WATER QUANTITY DRAINAGE AREA MAP
 (PHASE II)
 Wilson School
 1601 Wilson Blvd., Arlington, VA 22201

SCALE: HOR	DESIGNED:	CHECKED:
DATE: 02/05/2022	APPROVED DATE:	APPROVED DATE:
APPROVED DATE:	CHIEF TRANSPORTATION PLANNING BUREAU	CHIEF TRAFFIC ENGINEERING BUREAU
APPROVED DATE:	CHIEF WATERSEWER & STREETS BUREAU	CHIEF ENGINEERING BUREAU
DRAWING NAME:	PROJECT	CONTRACT
	SELECT	SELECT

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 SECURITY CONSULTING
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SEAL:

WATER QUANTITY DRAINAGE AREA MAP (PHASE II)
WILSON SCHOOL
 USE PERMIT AMENDMENT
 ARLINGTON COUNTY, VIRGINIA

HORIZ: 1"=25'
 SCALE: VERT: N/A
 DATE: 02/07/2022
 PLAN: USE PERMIT AMENDMENT
 JOB: 2922-0110
 CADD: C-CJ-130.DWG
 NCS: C-CJ-130
 NUMBER: C507 OF 21

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VMDO

VMDO Architects
 2500 Market Street
 Charlottesville, VA 22902

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 SURVEY AND MAPPING
 SECURITY CONSULTING

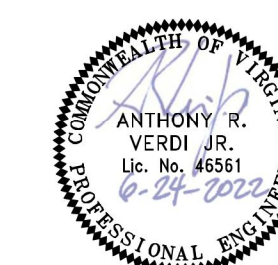
Arlington Public Schools

ARLINGTON PUBLIC SCHOOLS

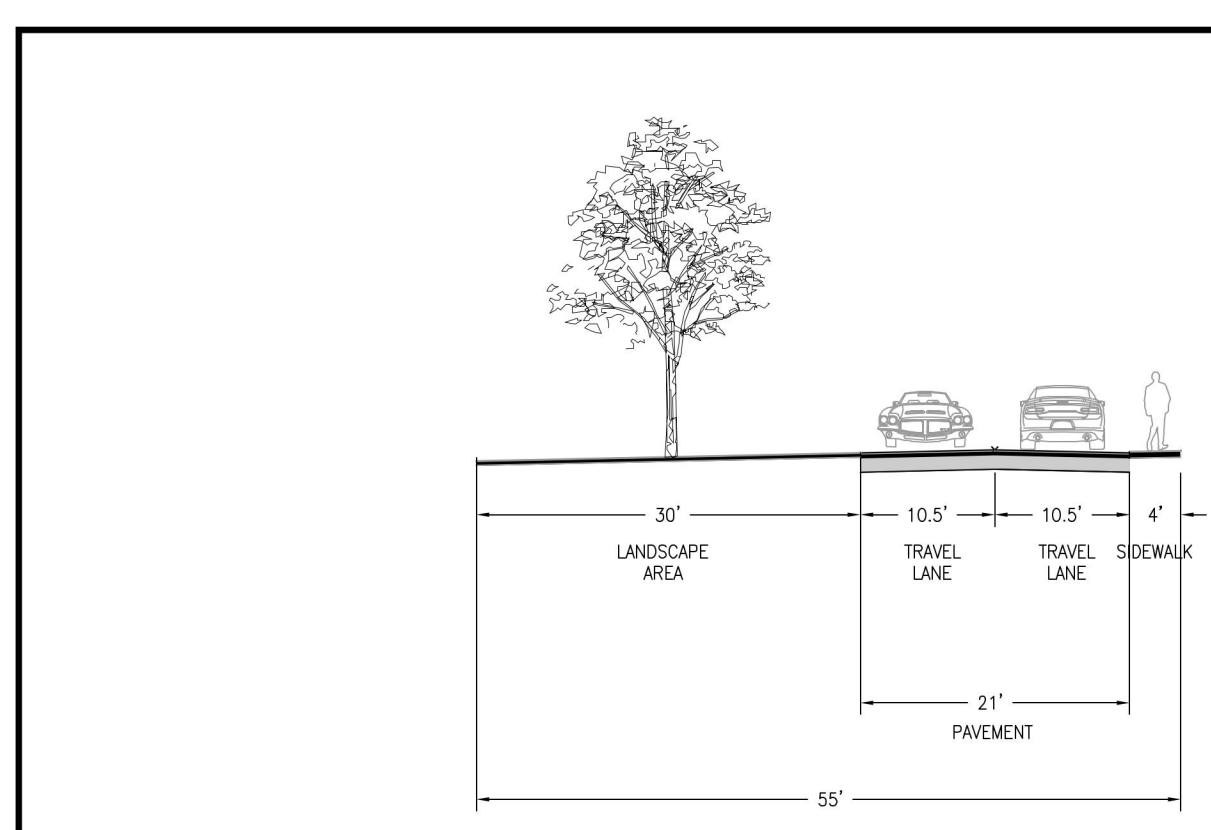
APS HEIGHTS PHASE 2

1601 WILSON BLVD, ARLINGTON, VA 22209

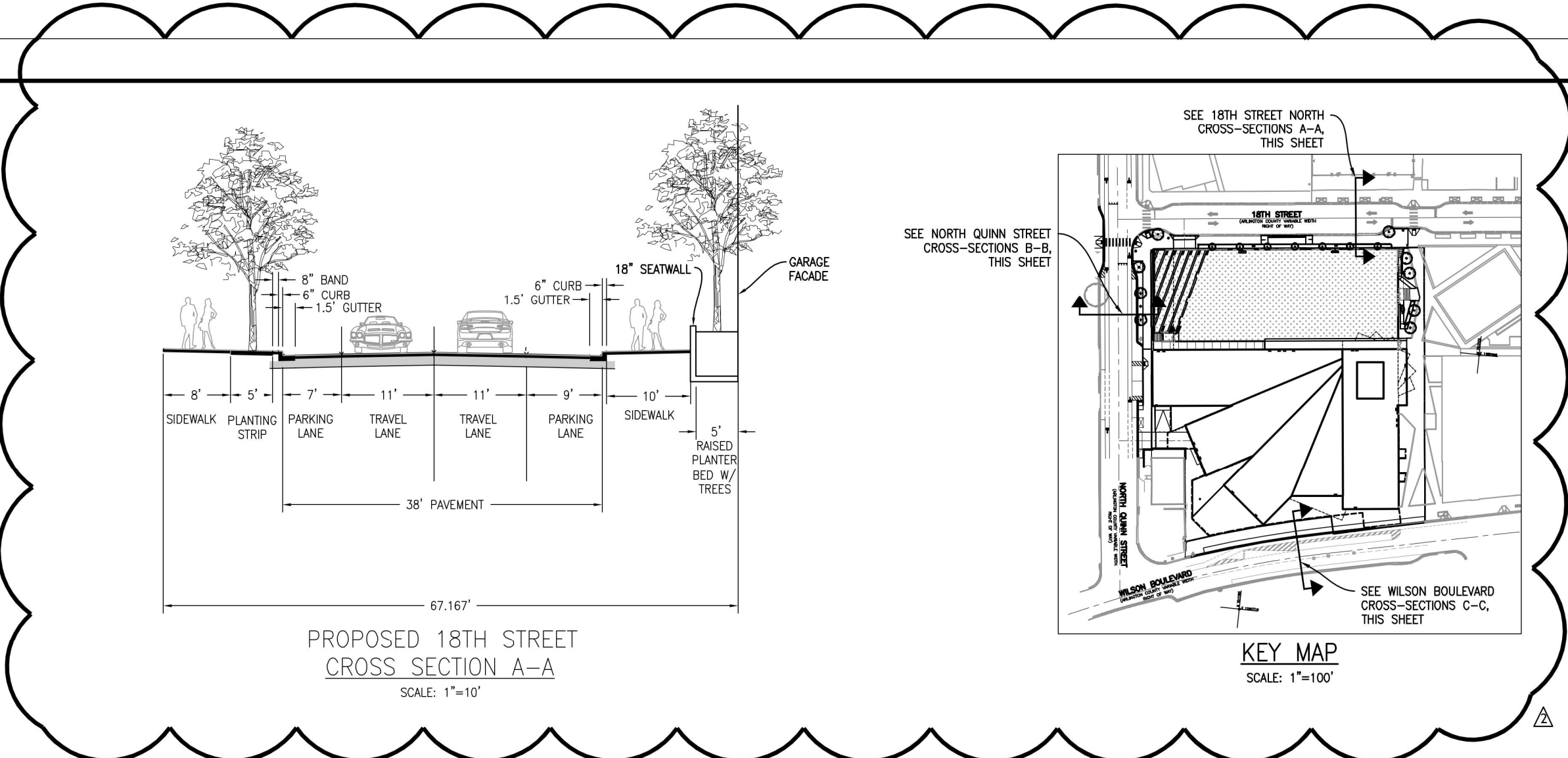
Client Project Number 2203115
 VMDO Project Number 1316



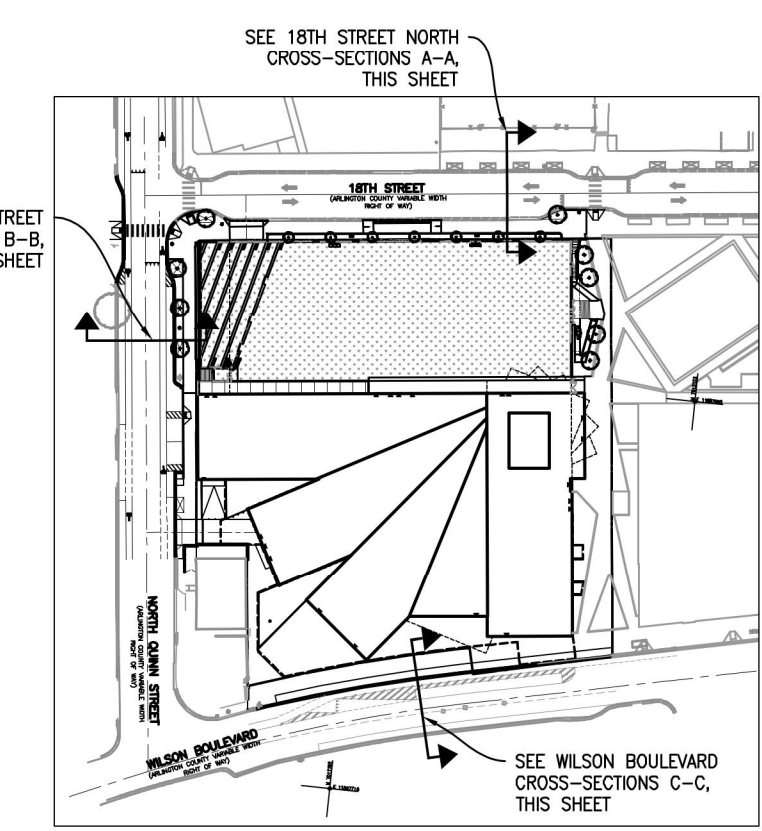
Checked By A. VERDI
 Drawn By L. ARANGO



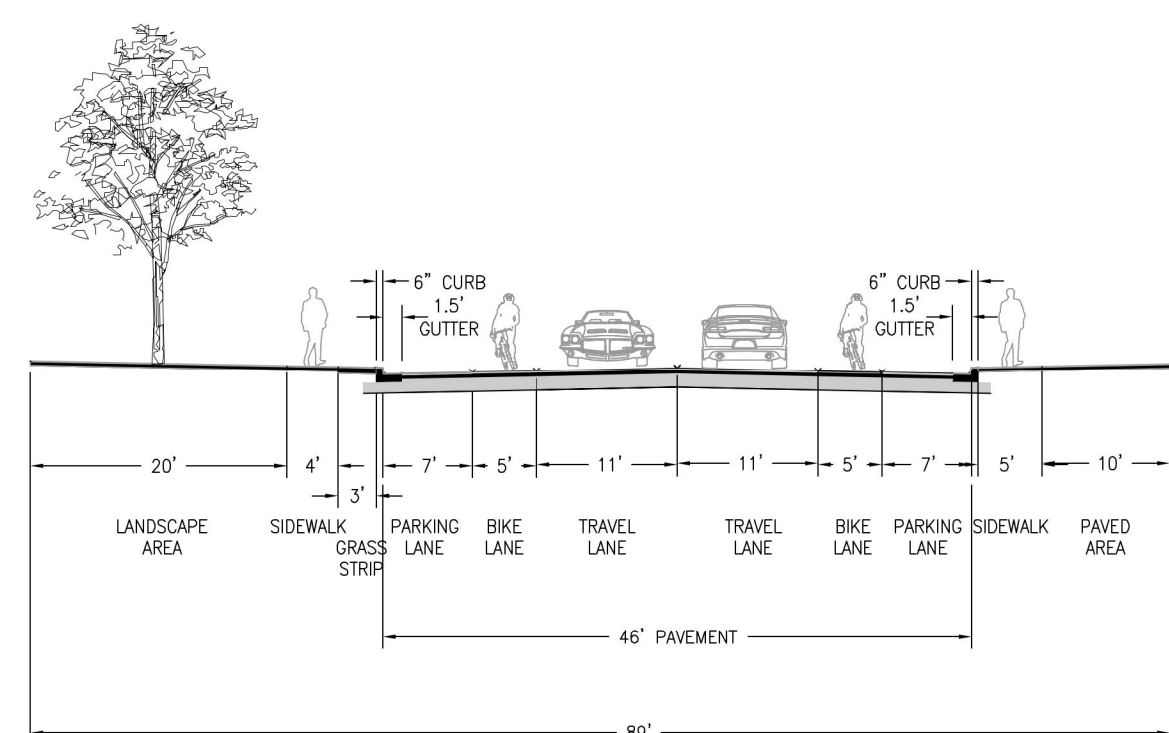
EXISTING 18TH STREET
 CROSS SECTION A-A
 SCALE: 1"=10'



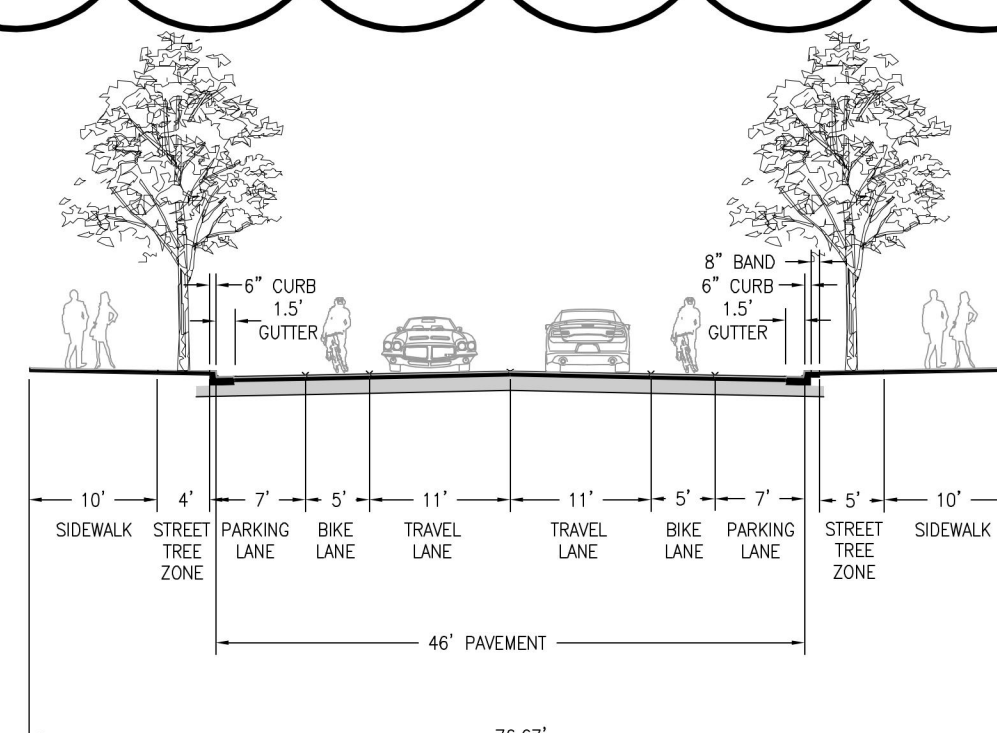
PROPOSED 18TH STREET
 CROSS SECTION A-A
 SCALE: 1"=10'



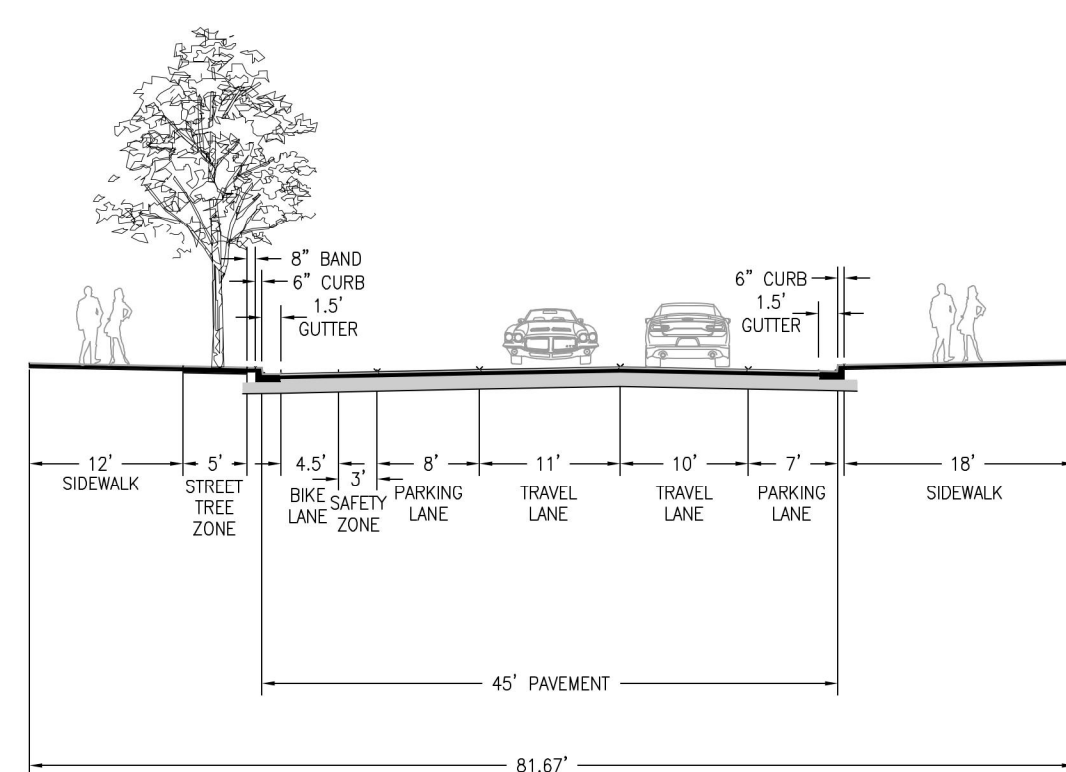
KEY MAP
 SCALE: 1"=100'



EXISTING QUINN STREET
 CROSS SECTION B-B
 SCALE: 1"=10'



PROPOSED QUINN STREET
 CROSS SECTION B-B
 SCALE: 1"=10'



EXISTING WILSON BOULEVARD*
 CROSS SECTION C-C
 SCALE: 1"=10'

*STREET SECTION ASSEMBLED PER PLANS ENTITLED
 "DELINATORS PLAN- WILSON BLVD." BY ARLINGTON
 COUNTY DES RECEIVED ON 11/23/2106.

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 PROGRAMMING AND PLANNING
 CIVIL ENGINEERING
 LANDSCAPE ARCHITECTURE
 SURVEY AND MAPPING
 SECURITY CONSULTING

REVISIONS	NUMBER	DATE	DESCRIPTION

SUR: GORDON
 DES: L. ARANGO
 DRW: L. ARANGO
 CHK: A. VERDI

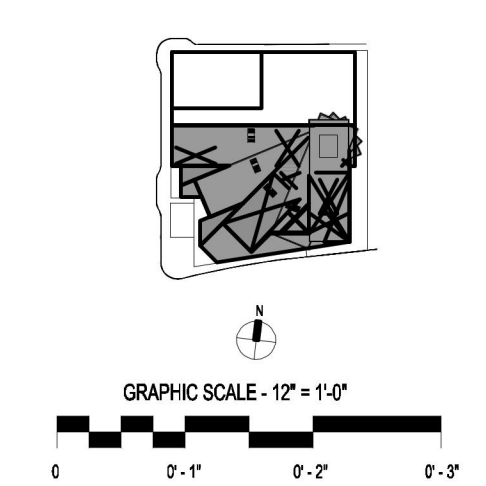
SEAL:

ROAD CROSS SECTIONS
**WILSON SCHOOL
 USE PERMIT
 AMENDMENT**
 ARLINGTON COUNTY, VIRGINIA

HORIZ: 1"=25'
 SCALE: VERT:
 DATE: 02/07/2022
 PLAN: USE PERMIT AMENDMENT
 JOB: 2922-0110
 CADD: C-CT-301.DWG
 NCS: C600
 NUMBER: C600 OF 21
Gordon

ARLINGTON, VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL SERVICES
ROAD CROSS SECTIONS
 Wilson School
 1601 Wilson Blvd., Arlington, VA 22201

SCALE: HOW AS NOTED	DESIGNED:	CHECKED:
DATE: 02/05/2022	APPROVED DATE:	APPROVED DATE:
APPROVED DATE:	CHIEF TRANSPORTATION PLANNING BUREAU	CHIEF TRAFFIC ENGINEERING BUREAU
APPROVED DATE:	CHIEF MATHEMATICS & STREETS BUREAU	CHIEF ENGINEERING BUREAU
APPROVED DATE:	CHIEF ENGINEERING BUREAU	DIRECTOR OF ENVIRONMENTAL SERVICES
DRAWING NAME: C-CT-301.DWG	PROJECT SHEET: C600 OF 21	CONTRACT SHEET: 02

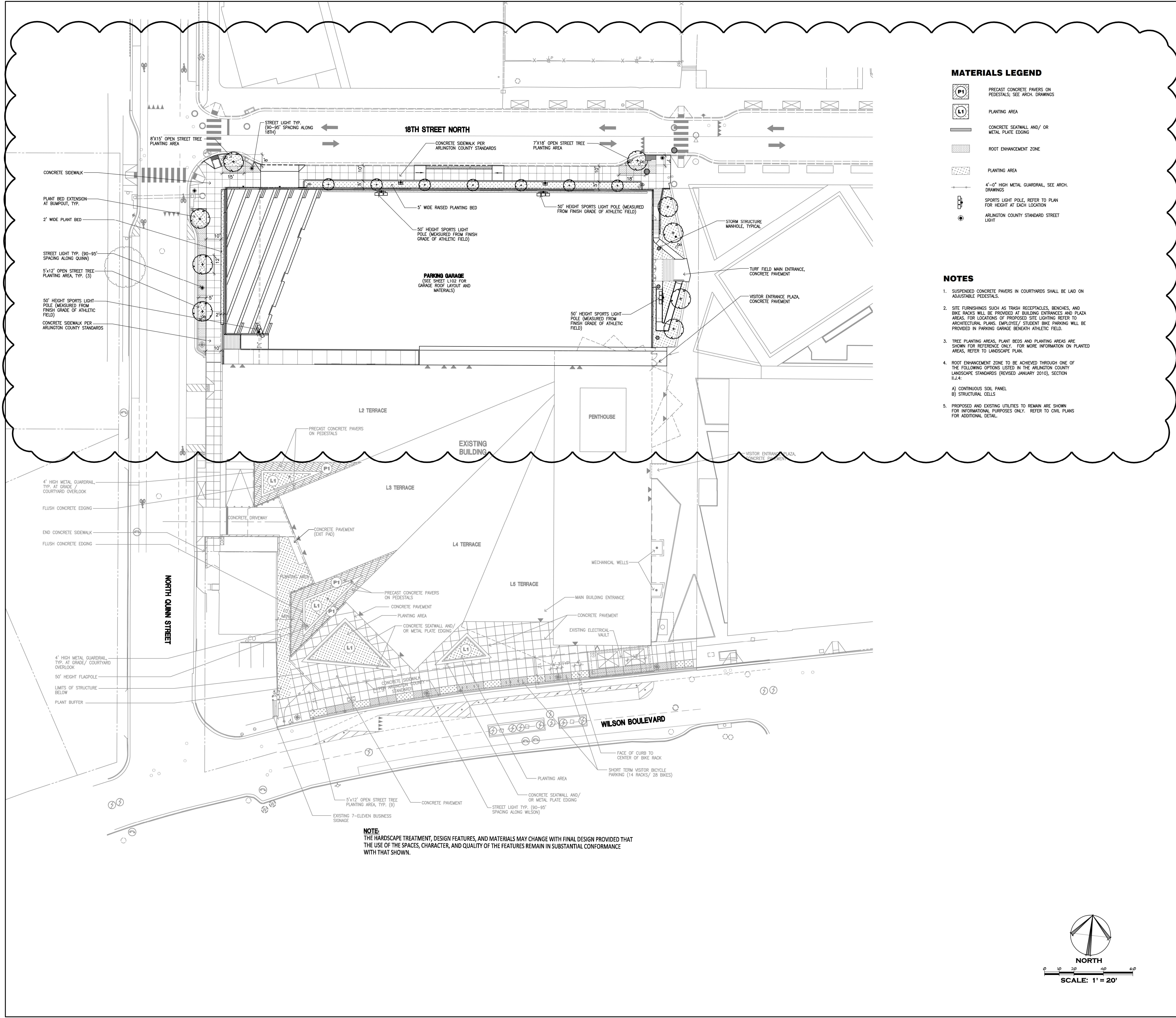


DRAWING NOT FOR
 CONSTRUCTION

ISSUES AND REVISIONS	NO.	SUBMITTAL	DATE
USE PERMIT AMENDMENT #1			02/07/2022
USE PERMIT AMENDMENT #2 RESUBMISSION			06/24/2022

ROAD CROSS SECTIONS

C600



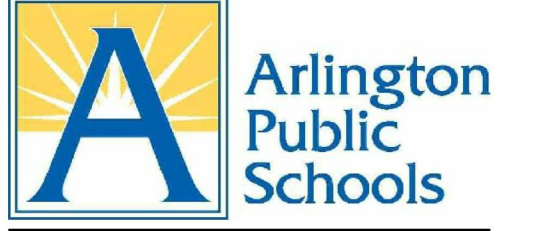
MATERIALS LEGEND

- PRECAST CONCRETE PAVERS ON PEDESTALS; SEE ARCH. DRAWINGS
- PLANTING AREA
- CONCRETE SEATWALL AND/OR METAL PLATE EDGING
- ROOT ENHANCEMENT ZONE
- PLANTING AREA
- 4'-0" HIGH METAL GUARDRAIL; SEE ARCH. DRAWINGS
- SPORTS LIGHT POLE; REFER TO PLAN FOR HEIGHT AT EACH LOCATION
- ARLINGTON COUNTY STANDARD STREET LIGHT

NOTES

1. SUSPENDED CONCRETE PAVERS IN COURTYARDS SHALL BE LAID ON ADJUSTABLE PEDESTALS.
2. SITE FURNISHINGS SUCH AS TRASH RECEPTACLES, BENCHES, AND BIKE RACKS WILL BE PROVIDED AT BUILDING ENTRANCES AND PLAZA AREAS. FOR LOCATIONS OF PROPOSED SITE LIGHTING REFER TO ARCHITECTURAL PLANS. EMPLOYEE/STUDENT BIKE PARKING WILL BE PROVIDED IN PARKING GARAGE BENEATH ATHLETIC FIELD.
3. TREE PLANTING AREAS, PLANT BEDS AND PLANTING AREAS ARE SHOWN FOR REFERENCE ONLY. FOR MORE INFORMATION ON PLANTED AREAS, REFER TO LANDSCAPE PLAN.
4. ROOT ENHANCEMENT ZONE TO BE ACHIEVED THROUGH ONE OF THE FOLLOWING OPTIONS LISTED IN THE ARLINGTON COUNTY LANDSCAPE STANDARDS (REVISED JANUARY 2010), SECTION 8.1.4:
 A) CONTINUOUS SOIL PANEL
 B) STRUCTURAL CELLS
5. PROPOSED AND EXISTING UTILITIES TO REMAIN ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. REFER TO CIVIL PLANS FOR ADDITIONAL DETAIL.

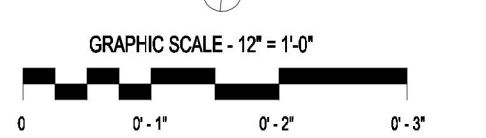
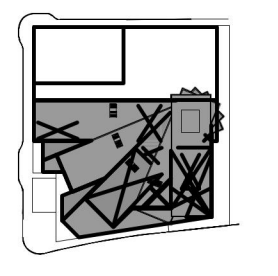
NOTE:
 THE HARDSCAPE TREATMENT, DESIGN FEATURES, AND MATERIALS MAY CHANGE WITH FINAL DESIGN PROVIDED THAT THE USE OF THE SPACES, CHARACTER, AND QUALITY OF THE FEATURES REMAIN IN SUBSTANTIAL CONFORMANCE WITH THAT SHOWN.



ARLINGTON PUBLIC SCHOOLS
 APS HEIGHTS PHASE 2
 1601 WILSON BLVD, ARLINGTON, VA 22209
 Client Project Number 2203115
 VMDO Project Number 1316

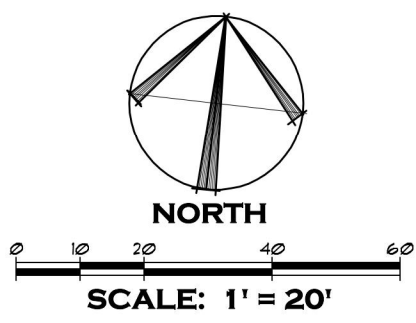


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 Drawn By L. ARANGO



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ISSUES AND REVISIONS	NO.	SUBMITTAL	DATE
USE PERMIT AMENDMENT			02/07/2022

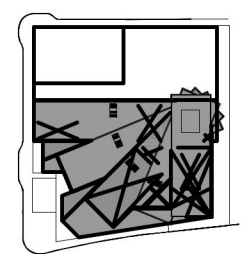


PLAZA, COURTYARD, AND STREETScape LAYOUT + MATERIALS PLAN

L101



Checked By **A. VERDI**
 Drawn By **L. ARANGO**



GRAPHIC SCALE - 1/2" = 1'-0"
 0 0-1 0-2 0-3'

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ISSUES AND REVISIONS	DATE
NO. SUBMITTAL	
USE PERMIT ASSIGNMENT	02/07/2022

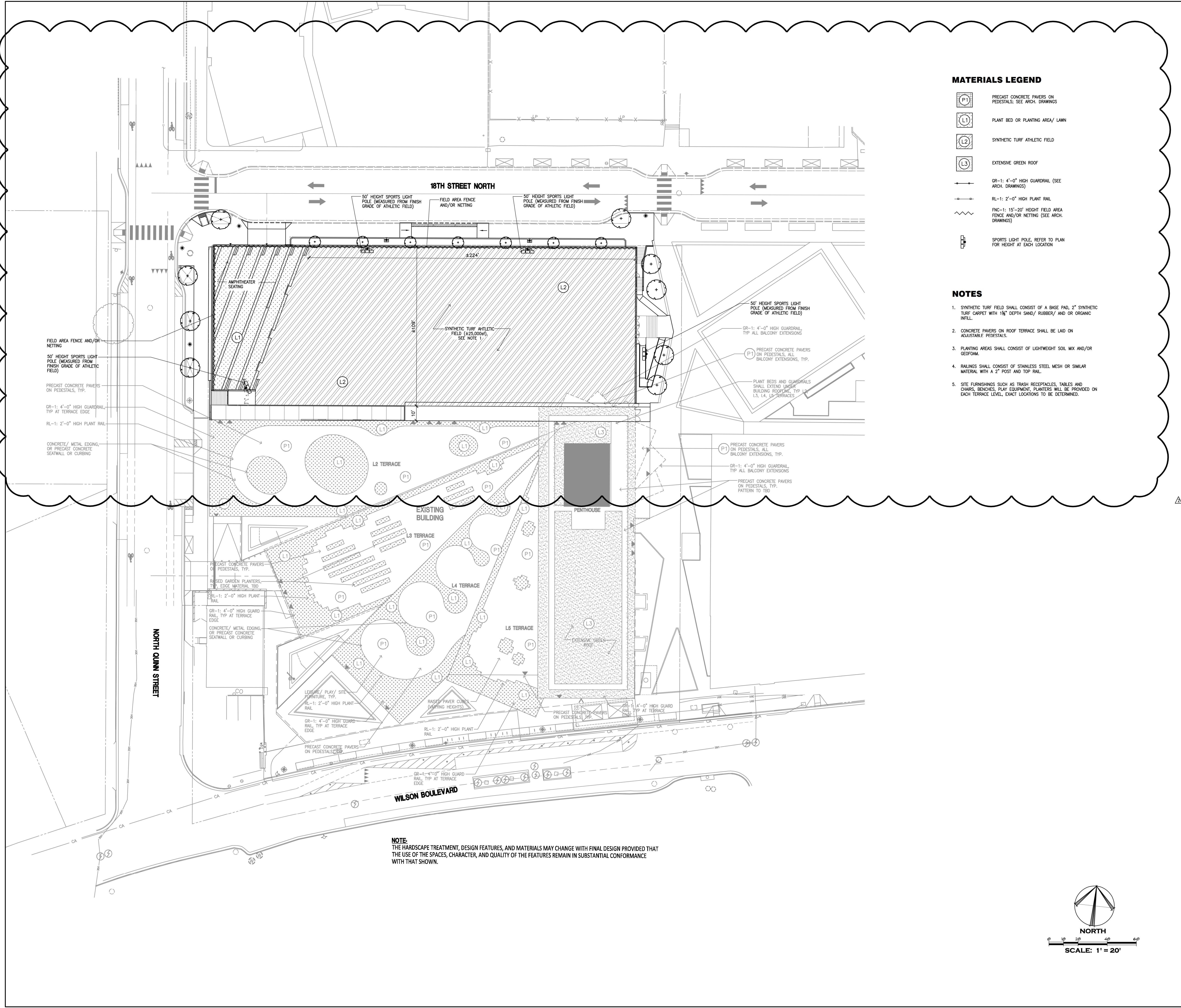
TERRACE MATERIALS PLAN

MATERIALS LEGEND

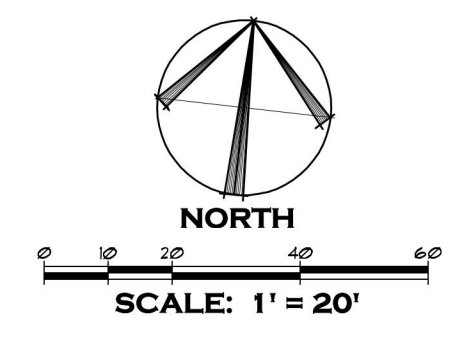
- PRECAST CONCRETE PAVERS ON PEDESTALS; SEE ARCH. DRAWINGS
- PLANT BED OR PLANTING AREA/ LAWN
- SYNTHETIC TURF ATHLETIC FIELD
- EXTENSIVE GREEN ROOF
- GR-1: 4'-0" HIGH GUARDRAIL (SEE ARCH. DRAWINGS)
- RL-1: 2'-0" HIGH PLANT RAIL
- FNC-1: 15'-0" HEIGHT FIELD AREA FENCE AND/OR NETTING (SEE ARCH. DRAWINGS)
- SPORTS LIGHT POLE, REFER TO PLAN FOR HEIGHT AT EACH LOCATION

NOTES

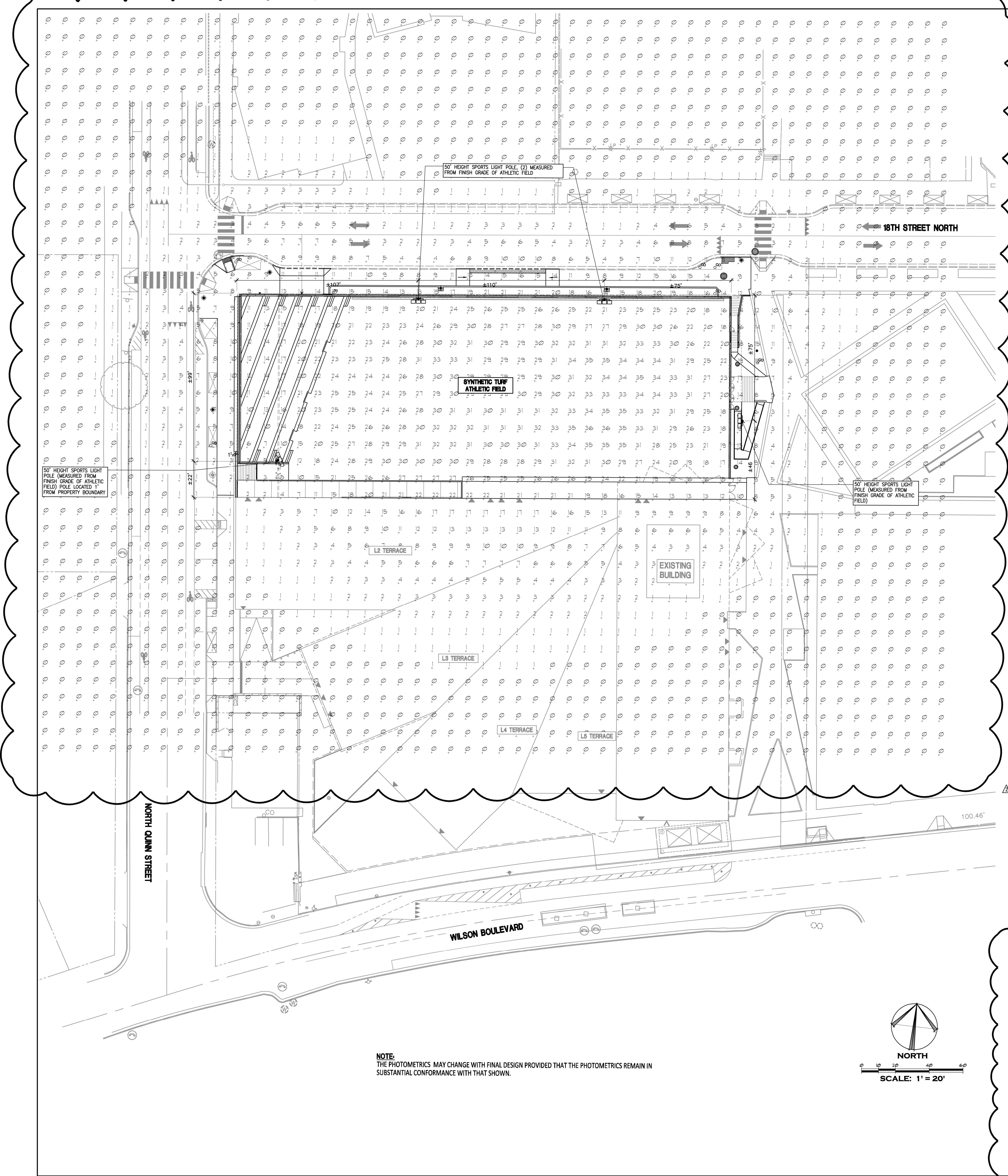
1. SYNTHETIC TURF FIELD SHALL CONSIST OF A BASE PAD, 2" SYNTHETIC TURF CARPET WITH 1/4" DEPTH SAND/ RUBBER/ AND OR ORGANIC INFILL.
2. CONCRETE PAVERS ON ROOF TERRACE SHALL BE LAID ON ADJUSTABLE PEDESTALS.
3. PLANTING AREAS SHALL CONSIST OF LIGHTWEIGHT SOIL MIX AND/OR GEOWEB.
4. RAILINGS SHALL CONSIST OF STAINLESS STEEL MESH OR SIMILAR MATERIAL WITH A 2" POST AND TOP RAIL.
5. SITE FURNISHINGS SUCH AS TRASH RECEPTACLES, TABLES AND CHAIRS, BENCHES, PLAY EQUIPMENT, PLANTERS WILL BE PROVIDED ON EACH TERRACE LEVEL, EXACT LOCATIONS TO BE DETERMINED.



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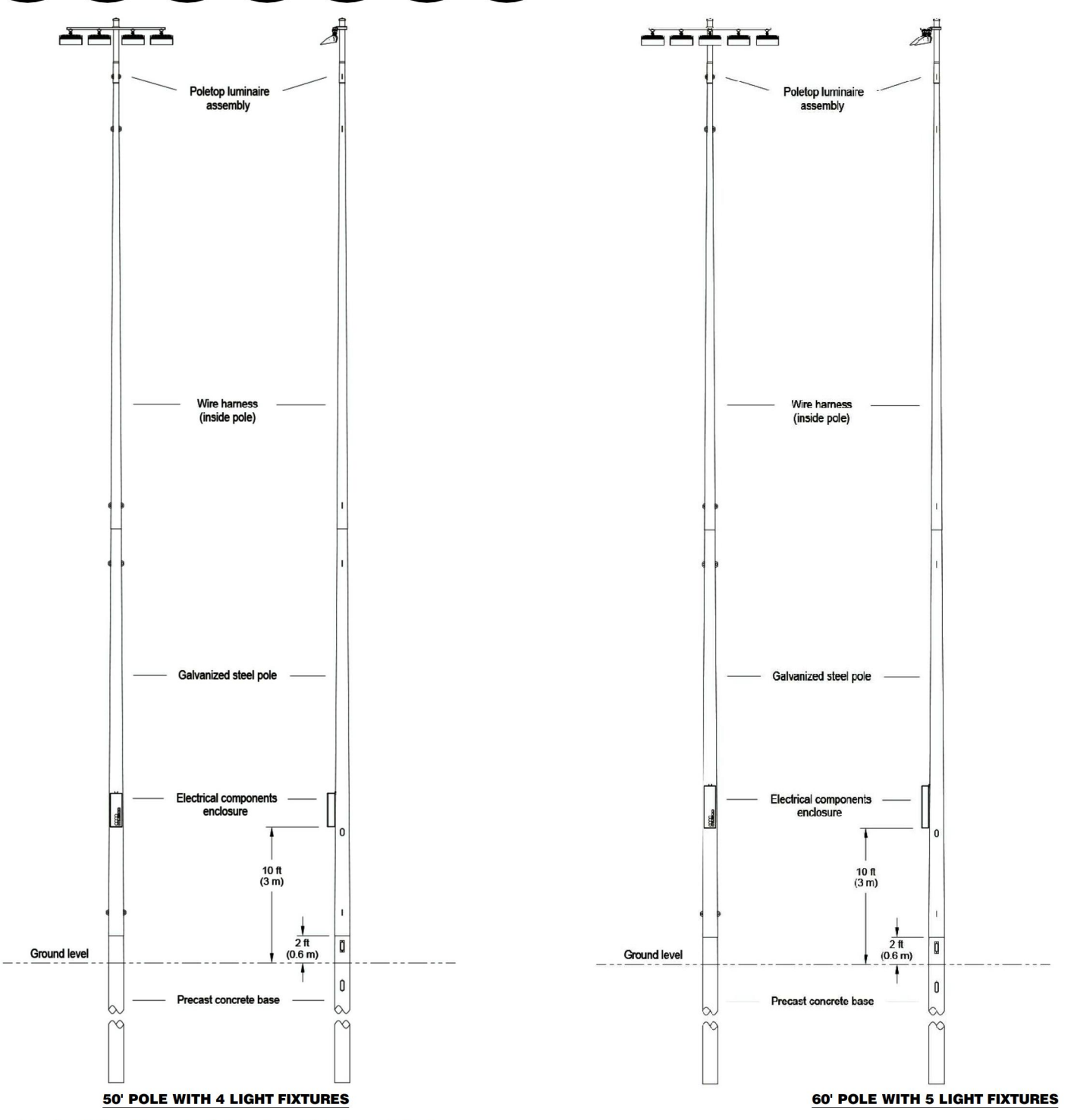


SCALE: 1" = 20'

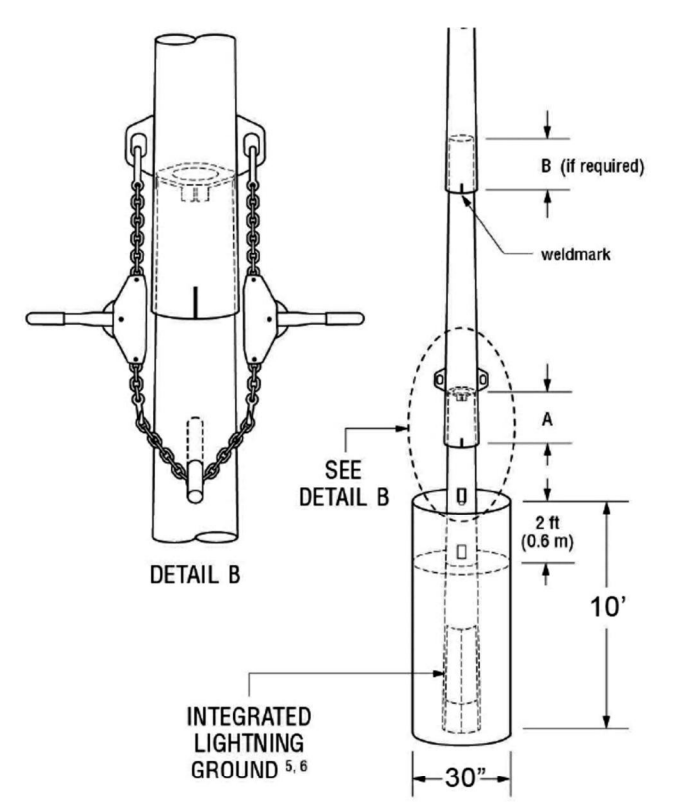


NOTE:
THE PHOTOMETRICS MAY CHANGE WITH FINAL DESIGN PROVIDED THAT THE PHOTOMETRICS REMAIN IN SUBSTANTIAL CONFORMANCE WITH THAT SHOWN.

- LEGEND**
- LIMITS OF ATHLETIC FIELD
 - SPORTS LIGHT POLE LOCATION, FOUR (4) TOTAL, SEE PLAN FOR HEIGHT AT EACH LOCATION
 - FOOT CANDLE READING (MEASURED AT 3' ABOVE GRADE)
- NOTES**
1. FOOT CANDLE READINGS SHOWN HEREON HAVE BEEN PROVIDED BY MUSCO LIGHTING FOR THE PROPOSED LED SPORTS LIGHTING SYSTEM.
 2. FOOT CANDLE READINGS SHOWN HEREON DO NOT ACCOUNT FOR EXISTING OR PROPOSED TREES, STRUCTURES, WALLS, TOPOGRAPHY, FENCING, LIGHTS ALONG ROADWAYS AND ADJACENT PROPERTIES.
 3. CENTER OF POLE LOCATIONS ARE SHOWN AS DIMENSIONS ARE TAKEN FROM PROPOSED SIDEWALK EDGE. POLE WIDTHS AT FINISH GRADE ARE APPROXIMATELY 12"-15" WIDE. CENTER OF POLE IS LOCATED 1' MIN FROM BACK OF SIDEWALK.
 4. NO FIELD LIGHTING IS PROPOSED AS PART OF INTERIM CONDITION PLAN. LIGHTING WILL BE INSTALLED AT FINAL PHASE WITH PARKING GARAGE AND ATHLETIC FIELD CONSTRUCTION.
 5. LIGHT TEMPERATURE FOR PROPOSED LIGHTING IS 400K.



A TYPICAL SPORTS LIGHT POLE
SCALE: N.T.S.



B SPORTS LIGHT POLE FOOTING AND ASSEMBLY
SCALE: N.T.S.

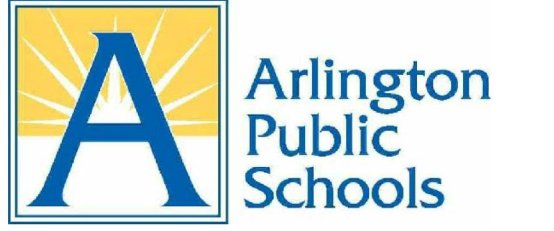
Arlington Public Schools - The Heights
Arlington, VA

Lighting System

Pole / Fixture Summary	Pole Height	Fixture Qty	Fixture Size	Lumens	LM	LM	LM	LM	LM	LM	LM
P1	50'	2	2	TLC-LED-1000	2,34	400	A				
P2	50'	1	1	TLC-LED-800	2,64	400	A				
P3	50'	1	1	TLC-LED-800	0,86	400	A				
P4	50'	1	1	TLC-LED-800	1,17	400	A				
P5	50'	2	2	TLC-LED-800	1,19	400	A				
P6	50'	1	1	TLC-LED-1000	1,17	400	A				
P7	50'	1	1	TLC-LED-800	0,86	400	A				
P8	50'	1	1	TLC-LED-1000	1,17	400	A				
P9	50'	1	1	TLC-LED-800	0,86	400	A				
P10	50'	1	1	TLC-LED-800	1,17	400	A				
P11	50'	1	1	TLC-LED-800	0,86	400	A				
P12	50'	1	1	TLC-LED-800	1,17	400	A				
P13	50'	1	1	TLC-LED-800	0,86	400	A				
P14	50'	1	1	TLC-LED-800	1,17	400	A				
P15	50'	1	1	TLC-LED-800	0,86	400	A				
P16	50'	1	1	TLC-LED-800	1,17	400	A				
P17	50'	1	1	TLC-LED-800	0,86	400	A				
P18	50'	1	1	TLC-LED-800	1,17	400	A				
P19	50'	1	1	TLC-LED-800	0,86	400	A				
P20	50'	1	1	TLC-LED-800	1,17	400	A				
P21	50'	1	1	TLC-LED-800	0,86	400	A				
P22	50'	1	1	TLC-LED-800	1,17	400	A				
P23	50'	1	1	TLC-LED-800	0,86	400	A				
P24	50'	1	1	TLC-LED-800	1,17	400	A				
P25	50'	1	1	TLC-LED-800	0,86	400	A				
P26	50'	1	1	TLC-LED-800	1,17	400	A				
P27	50'	1	1	TLC-LED-800	0,86	400	A				
P28	50'	1	1	TLC-LED-800	1,17	400	A				
P29	50'	1	1	TLC-LED-800	0,86	400	A				
P30	50'	1	1	TLC-LED-800	1,17	400	A				
P31	50'	1	1	TLC-LED-800	0,86	400	A				
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P43	50'	1	1	TLC-LED-800	0,86	400	A				
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P45	50'	1	1	TLC-LED-800	0,86	400	A				
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P67	50'	1	1	TLC-LED-800	0,86	400	A				
P68	50'	1	1	TLC-LED-800	1,17	400	A				
P69	50'	1	1	TLC-LED-800	0,86	400	A				
P70	50'	1	1	TLC-LED-800	1,17	400	A				
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P79	50'	1	1	TLC-LED-800	0,86	400	A				
P80	50'	1	1	TLC-LED-800	1,17	400	A				
P81	50'	1	1	TLC-LED-800	0,86	400	A				
P82	50'	1	1	TLC-LED-800	1,17	400	A				
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P89	50'	1	1	TLC-LED-800	0,86	400	A				
P90	50'	1	1	TLC-LED-800	1,17	400	A				
P91	50'	1	1	TLC-LED-800	0,86	400	A				
P92	50'	1	1	TLC-LED-800	1,17	400	A				
P93	50'	1	1	TLC-LED-800	0,86	400	A				
P94	50'	1	1	TLC-LED-800	1,17	400	A				
P95	50'	1	1	TLC-LED-800	0,86	400	A				
P96	50'	1	1	TLC-LED-800	1,17	400	A				
P97	50'	1	1	TLC-LED-800	0,86	400	A				
P98	50'	1	1	TLC-LED-800	1,17	400	A				
P99	50'	1	1	TLC-LED-800	0,86	400	A				
P100	50'	1	1	TLC-LED-800	1,17	400	A				

Light Level Summary

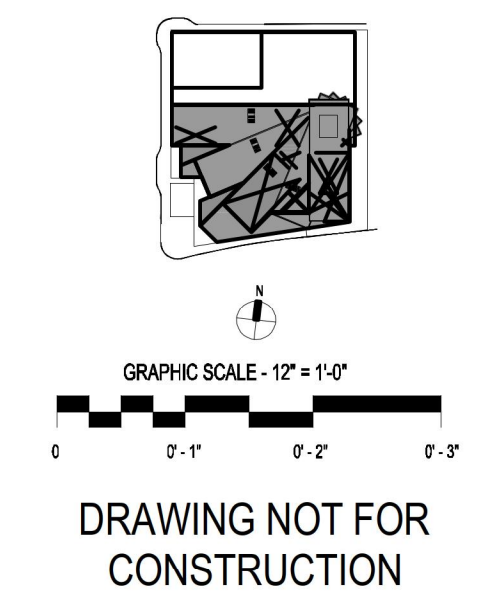
Calculation Method	Area	Min	Max	Avg	Units	Footcandle	Footcandle
Play Area	Horizontal Illuminance	30.1	14.5	14.2	2.55	2.55	A
Shading	Horizontal Illuminance	14.8	3.95	3.8	0.58	0.58	A
Zenith	Horizontal Illuminance	4.77	0	36.1	0.55		A



ARLINGTON PUBLIC SCHOOLS
APS HEIGHTS PHASE 2
1601 WILSON BLVD, ARLINGTON, VA 22208
Client Project Number: 2203115
VMDO Project Number: 1316



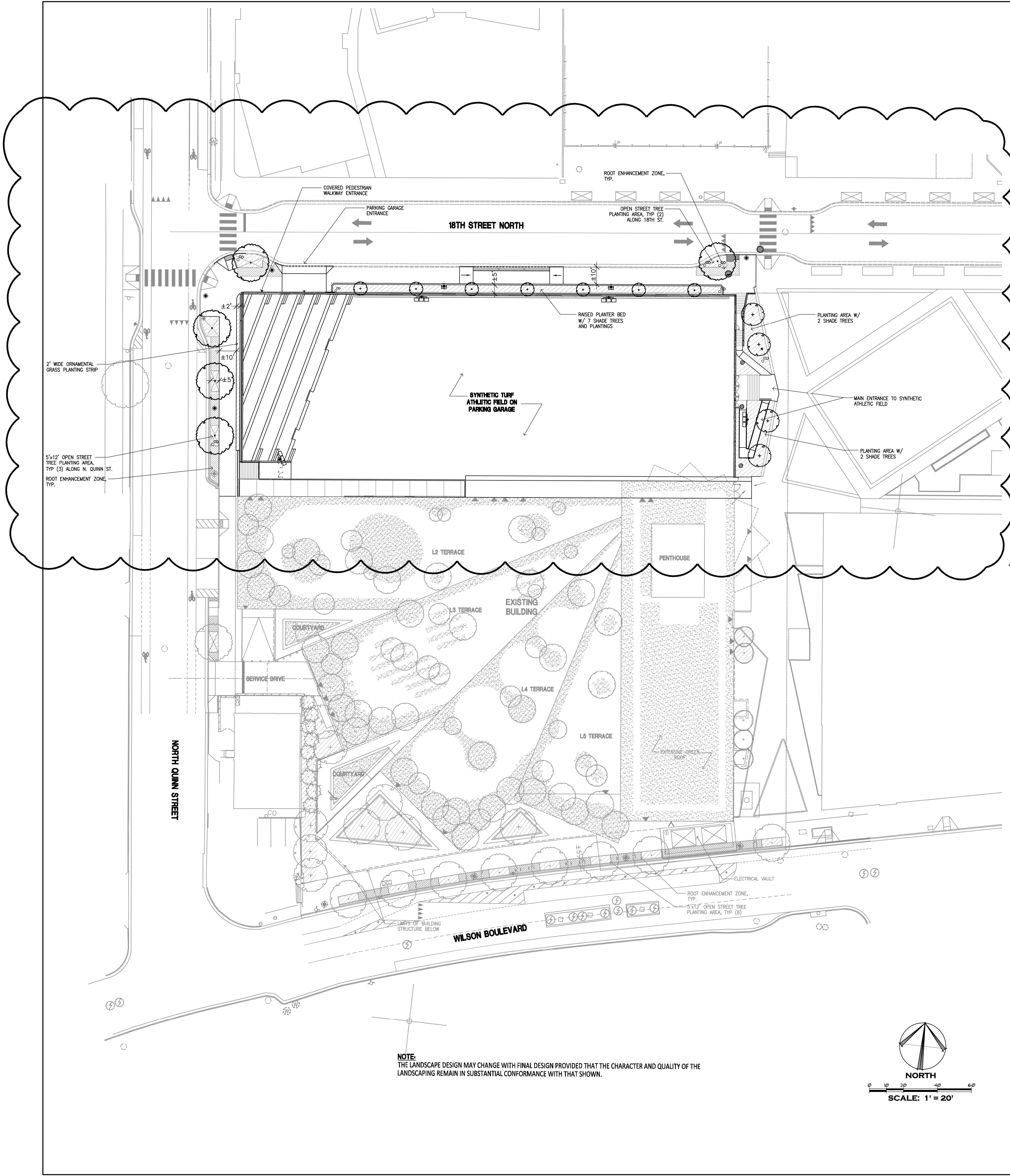
Checked By: A. VERDI
Drawn By: L. ARANGO



ISSUES AND REVISIONS
NO. SUBMITTAL DATE
USE PERMIT AMENDMENT 0207/2022

ATHLETIC FIELD
PHOTOMETRIC PLAN

L103



PLANTING LEGEND

- EXISTING TREE
- STREET TREE (3.5'-4' CAL.)
(POSSIBLE SPECIES INCLUDE: HONEYLOCUST, OAK SPECIES, RIVER BIRCH, AMERICAN ELM, PLANTANETREE, GINKGO (MALE ONLY))
- SHADE TREE (3'-3.5' CAL.)
(POSSIBLE SPECIES INCLUDE: RED/ SUGAR MAPLE, HICKORY, BLACK OAK AND OAK SPECIES, THORNLESS HONEYLOCUST)
- BUILDING TERRACE TREE (SMALL / SMALL MEDIUM SHADE OR ORNAMENTAL TREE (2'-2.5' CAL.)
(POSSIBLE SPECIES INCLUDE: PIN OAK 'SWEET BELLA', RIVER BIRCH, SWEETBAY MAGNOLIA AND AMERICAN HORSEBEAM, HOPHORNBEAM)
- ORNAMENTAL TREE (2'-2.5' CAL.)
(POSSIBLE SPECIES INCLUDE: SERVICEBERRY, REDBUD, FRINGE TREE AND RIVER BIRCH)
- EVERGREEN TREE (6'-8' HT.)
(POSSIBLE SPECIES INCLUDE: AMERICAN HOLLY, RED CEDAR AND VIRGINIA PINE)
- ROOT ENHANCEMENT ZONE (SEE PLANTING NOTE #5, BELOW)
- PLANTING AREA (SHRUBS, GROUNDCOVERS AND BIORETENTION PLANTINGS)
- TERRACE PLANTING AREA (SHRUBS, GROUNDCOVERS AND GREEN ROOF PLANTINGS)
- EXTENSIVE GREEN ROOF (PENTHOUSE LEVEL ONLY)

PLANTING NOTES

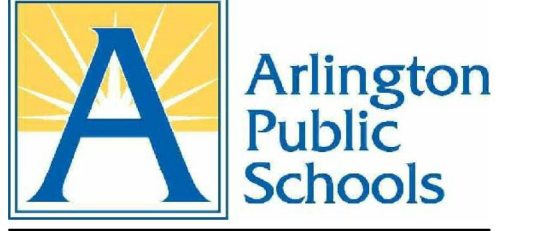
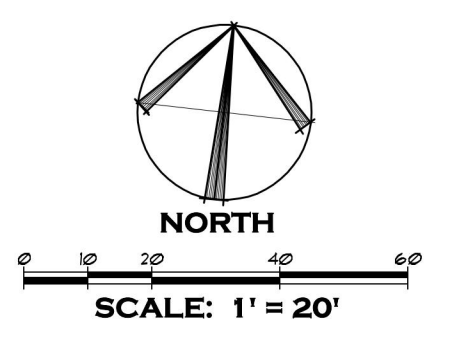
TREE REPLACEMENT
 TOTAL TREES REMOVED = 60
 TOTAL TREES REQUIRED TO BE REPLACED = 79
 TOTAL TREES PROVIDED = 59 (SEE TREE REPLACEMENT CHART BELOW)
 SECTION 4.D - REPLACEMENT TREE TYPES AND EQUIVALENTS
 ARLINGTON COUNTY TREE REPLACEMENT GUIDELINES, AS APPROVED JULY 1993.
 REPLACEMENT VALUE: ONE-FOR-ONE BASIS (SHADE TREES / LARGE EVERGREENS)
 One (1) new shade tree or large evergreen tree shall fulfill the replacement requirement of one (1) replacement tree per the tree replacement calculations.
 REPLACEMENT VALUE: THREE-TO-ONE BASIS (ORNAMENTALS / SMALL EVERGREENS)
 Three (3) deciduous ornamental or small evergreen trees shall fulfill the replacement requirement of one (1) replacement tree per the tree replacement calculations.

	PROPOSED	TOTAL CREDIT
SHADE TREES / STREET TREES	34	34 (1:1)
ORNAMENTAL TREES / SMALL EVERGREENS / BUILDING TERRACE TREES	75	25 (3:1)
TOTAL TREES PROVIDED		59 (79 REQUIRED)

TREE REPLACEMENT NARRATIVE
 STREET TREES USED FOR REPLACEMENT CREDITS HAVE BEEN PROPOSED AT LOCATIONS BASED ON THE FOLLOWING CRITERIA FROM THE ARLINGTON VIRGINIA LANDSCAPE STANDARDS (REVISED JANUARY 2010):
 • SECTION 32A1 - UNDERGROUND UTILITIES
 • SECTION 32A2 - SPACING
 ADDITIONAL CRITERIA USED TO EVALUATE SUITABLE LOCATIONS FOR REPLACEMENT TREES THROUGHOUT THE SITE INCLUDE:
 • PROVIDING ADEQUATE SOIL VOLUMES FOR TREE GROWTH
 • PLACING TREES AT LOCATIONS THAT WILL PERMIT THE TREE TO MATURE WITHOUT CREATING FUTURE MAINTENANCE CHALLENGES (I.E. OUTFLOWING SPACE, LIMBS AGAINST BUILDINGS, ETC.)
 • REDUCE OVER-CROWDING OF CROWNS AND ROOTS

- NOTES:**
- PLANT BEDS SHALL CONSIST OF A MIX OF SHRUBS, GROUNDCOVER, AND GRASSES. A MINIMUM OF 25% OF THE LANDSCAPED AREA SHALL BE COVERED BY SHRUB SPREAD AT MATURITY.
 - TREE PITS SHALL CONSIST OF A PLANTING MIX THAT IS 1/2 CLEAN EXISTING NATIVE SOIL MIXED WITH 1/2 CERTIFIED TOPSOIL AND 1/4 ORGANIC MATERIAL. TREE PITS SHALL BE APPROXIMATELY 5' X 12' X 3' DEPTH.
 - A RELIABLE WATERING/ IRRIGATION SYSTEM SHALL BE INSTALLED FOR THE PROJECT, INCLUDING STREET TREES NOT LOCATED IN BIORETENTION AREAS. HARVESTED RAINWATER IS RECOMMENDED FOR IRRIGATION OF BIORETENTION AREAS.
 - STREET TREES:
 A) WILSON (288' OF FRONTAGE/ 35' = 8.22 (REQUIRED) 9 PROVIDED
 B) QUINN (250' OF FRONTAGE/ 35' = 7.14 (REQUIRED) 8 PROVIDED
 C) 18TH (325' OF FRONTAGE/ 35' = 9.28 (REQUIRED) 9 PROVIDED
 - ROOT ENHANCEMENT ZONE TO BE ACHIEVED THROUGH ONE OF THE FOLLOWING OPTIONS LISTED IN THE ARLINGTON COUNTY LANDSCAPE STANDARDS (REVISED JANUARY 2010), SECTION 11.4:
 A) CONTINUOUS SOIL PANEL
 B) STRUCTURAL CELLS

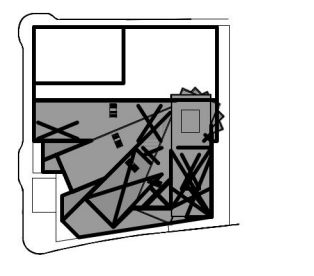
NOTE:
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ARLINGTON PUBLIC SCHOOLS
 APS HEIGHTS PHASE 2
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 Drawn By L. ARANGO

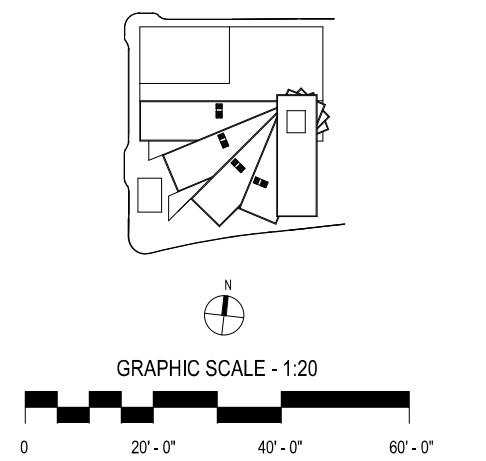
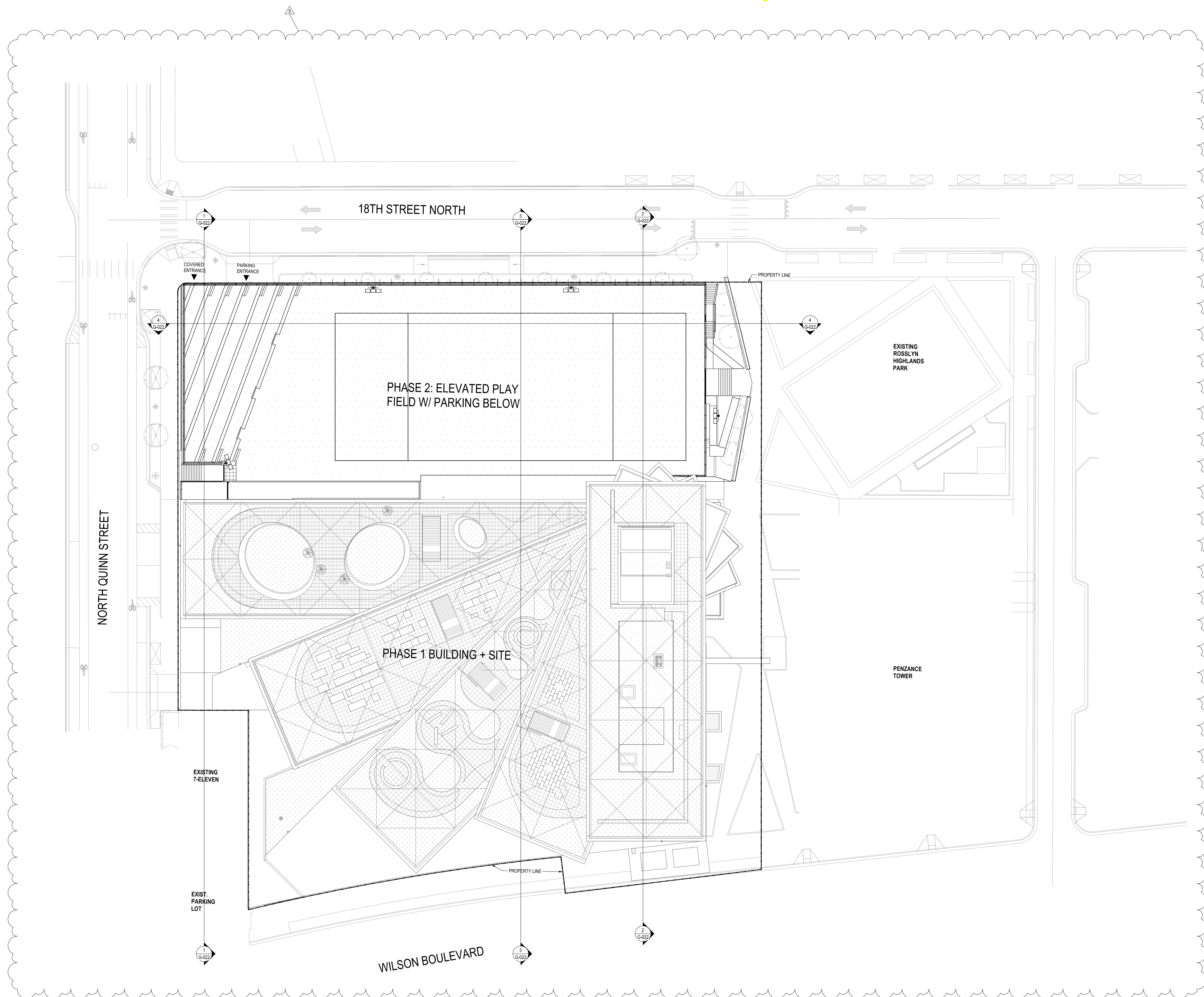


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ISSUES AND REVISIONS	DATE
NO. SUBMITTAL	
USE PERMIT AMENDMENT	02/07/2022

LANDSCAPE PLAN

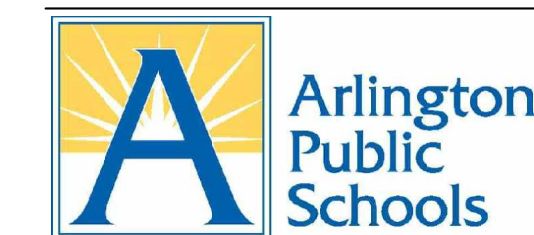
L104



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ISSUES AND REVISIONS	
NO.	DATE
1	07 FEB 22
2	25 APRIL 22
3	24 JUN 22
5	

BUILDING GEOMETRY AND LAYOUT PLAN



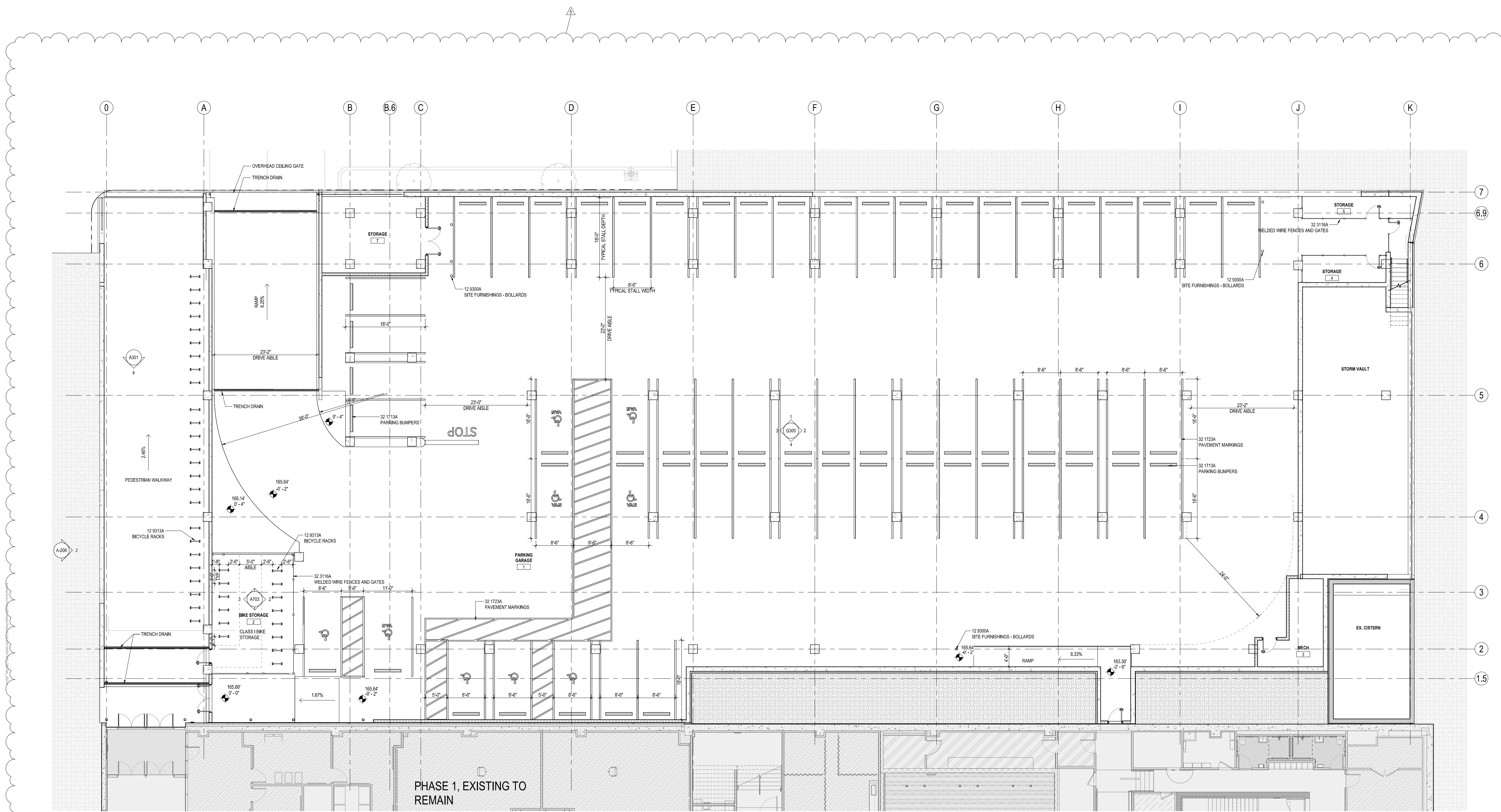
ARLINGTON PUBLIC SCHOOLS

APS HEIGHTS PHASE 2

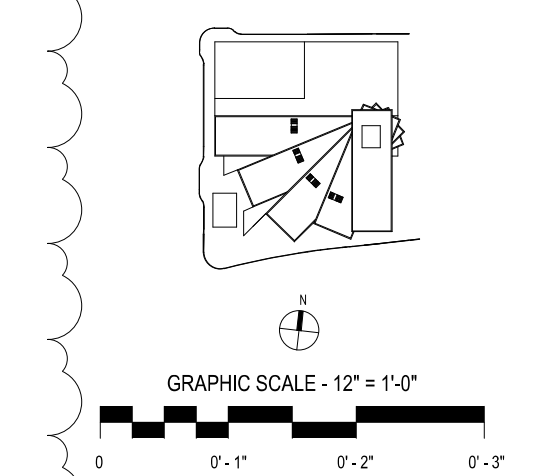
1601 WILSON BLVD, ARLINGTON, VA 22209

Client Project Number 2203115
 VMDO Project Number 1316

Type	Level B1
Standard	52
Maintenance/Parcel	6
Staff Loading/Unloading	2
Long-Term Staff Parking	30
Visitor Parking	14
Compact	0
Parallel	0
ADA Accessible	4
ADA Accessible (Van)	5
Total	61



Checked By NC
 Drawn By TJ



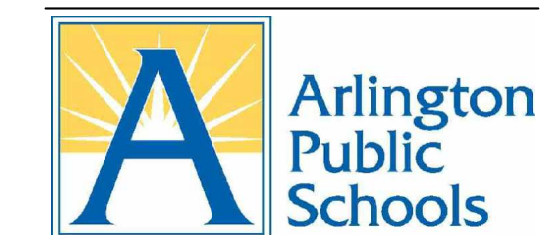
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ISSUES AND REVISIONS

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	07 FEB 22
2	USE PERMIT AMENDMENT	25 APRIL 22
3	USE PERMIT AMENDMENT RESUBMISSION	24 JUN 22
4	USE PERMIT AMENDMENT #2 RESUBMISSION	

LEVEL G1 PLAN - NORTH

1 LEVEL G1 PLAN - NORTH
 1/8" = 1'-0"

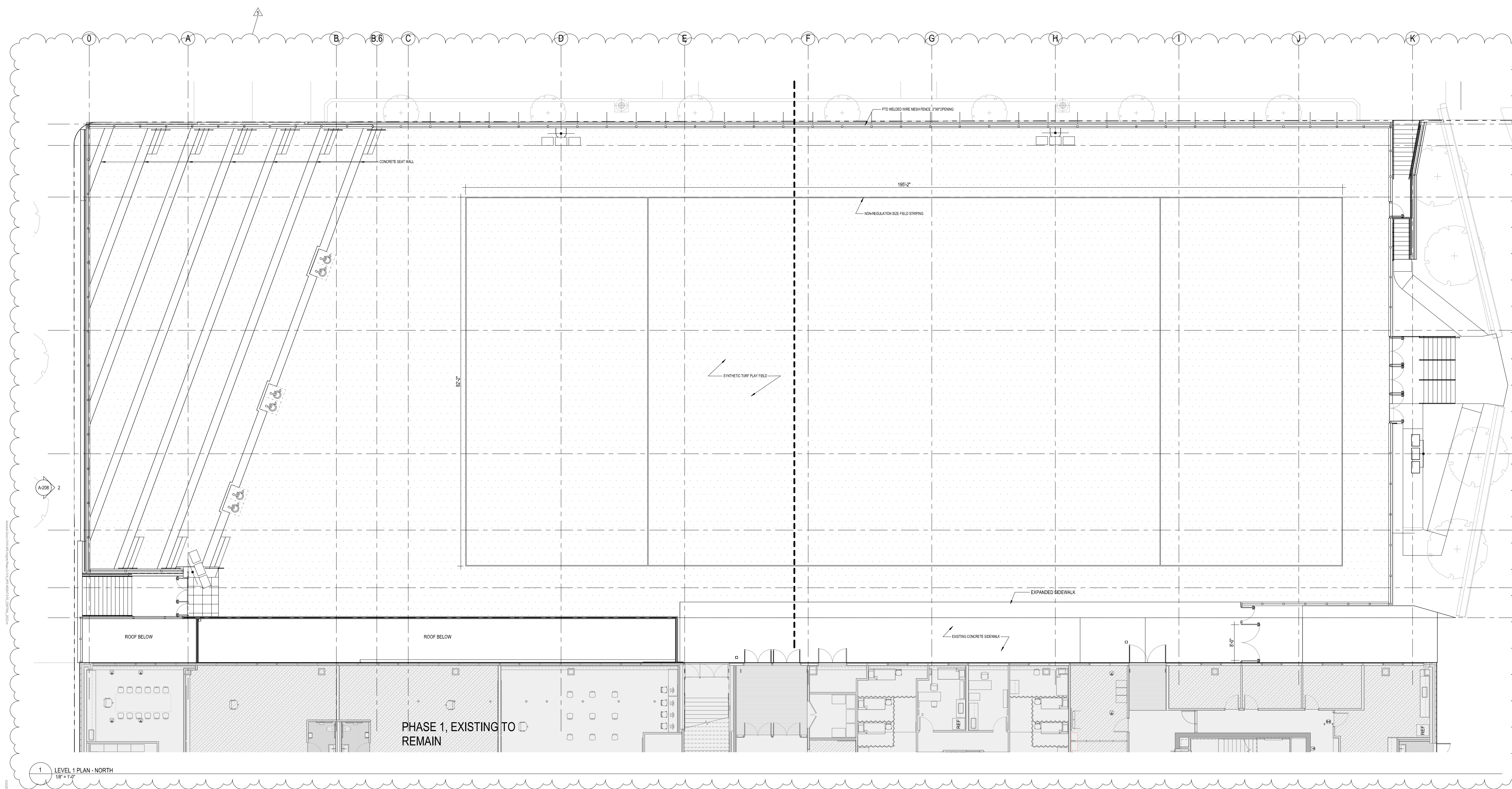


ARLINGTON PUBLIC SCHOOLS

APS HEIGHTS PHASE 2

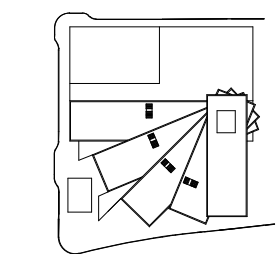
1601 WILSON BLVD, ARLINGTON, VA 22209

Client Project Number 2203115
 VMDO Project Number 1316



Checked By NC
 Drawn By TJ

7
 6.9
 6
 5
 2
 1.5



GRAPHIC SCALE - 1/2" = 1'-0"

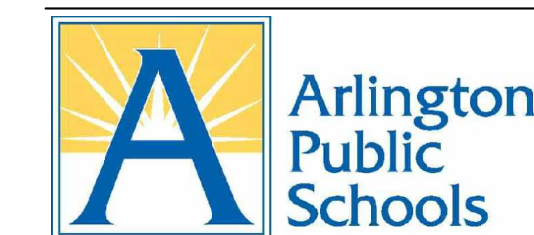
DRAWING NOT FOR CONSTRUCTION

ISSUES AND REVISIONS	DATE
1. NO. 2203115	07 FEB 22
2. USE PERMIT AMENDMENT	25 APRIL 22
3. USE PERMIT AMENDMENT RESUBMISSION	24 JUN 22
5. USE PERMIT AMENDMENT #2 RESUBMISSION	

LEVEL 1 PLAN - NORTH

1 LEVEL 1 PLAN - NORTH
 100 - 4 - 10

A-101B



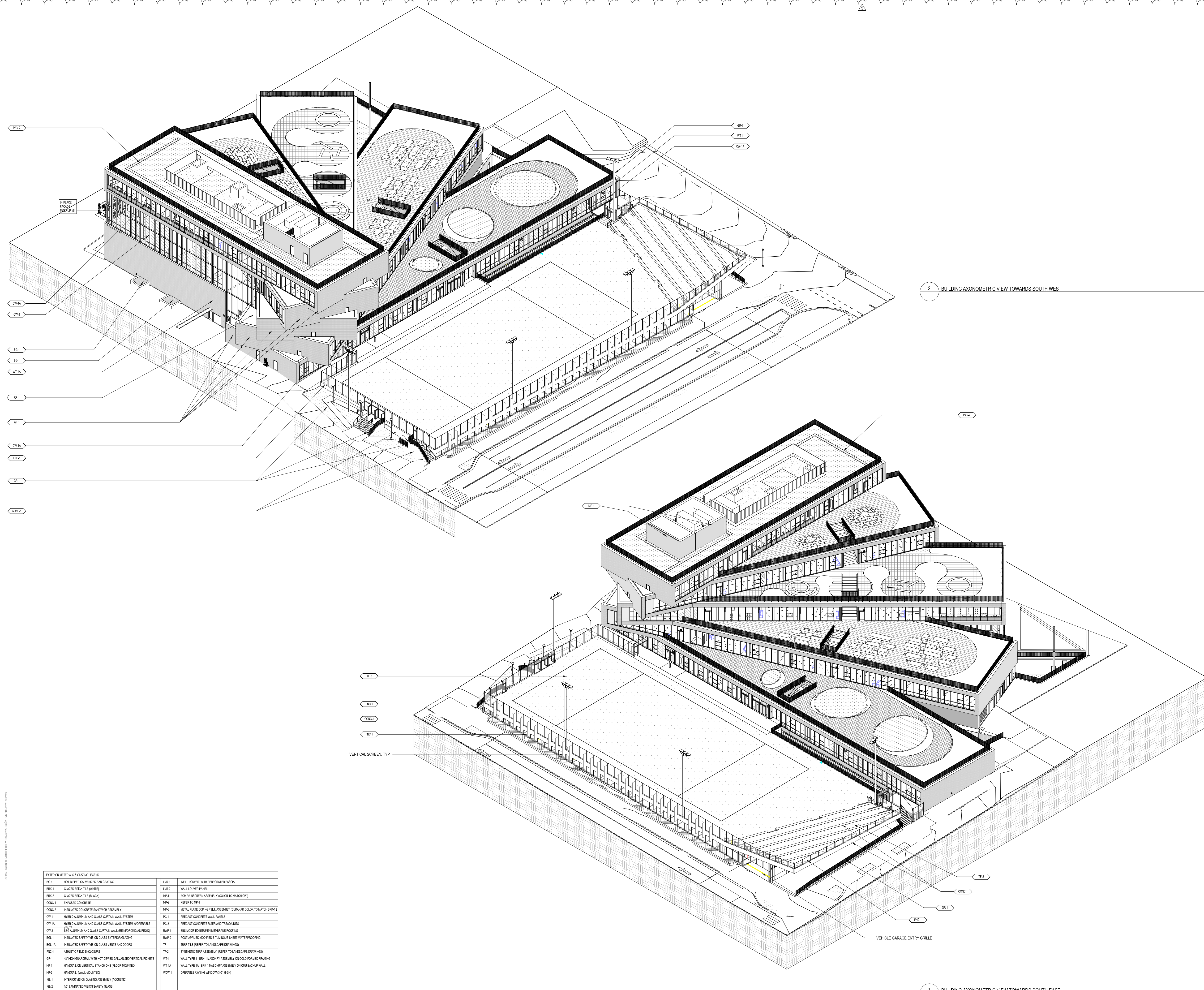
ARLINGTON PUBLIC SCHOOLS

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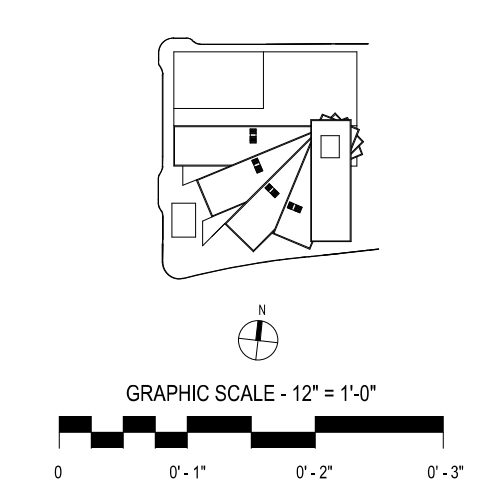
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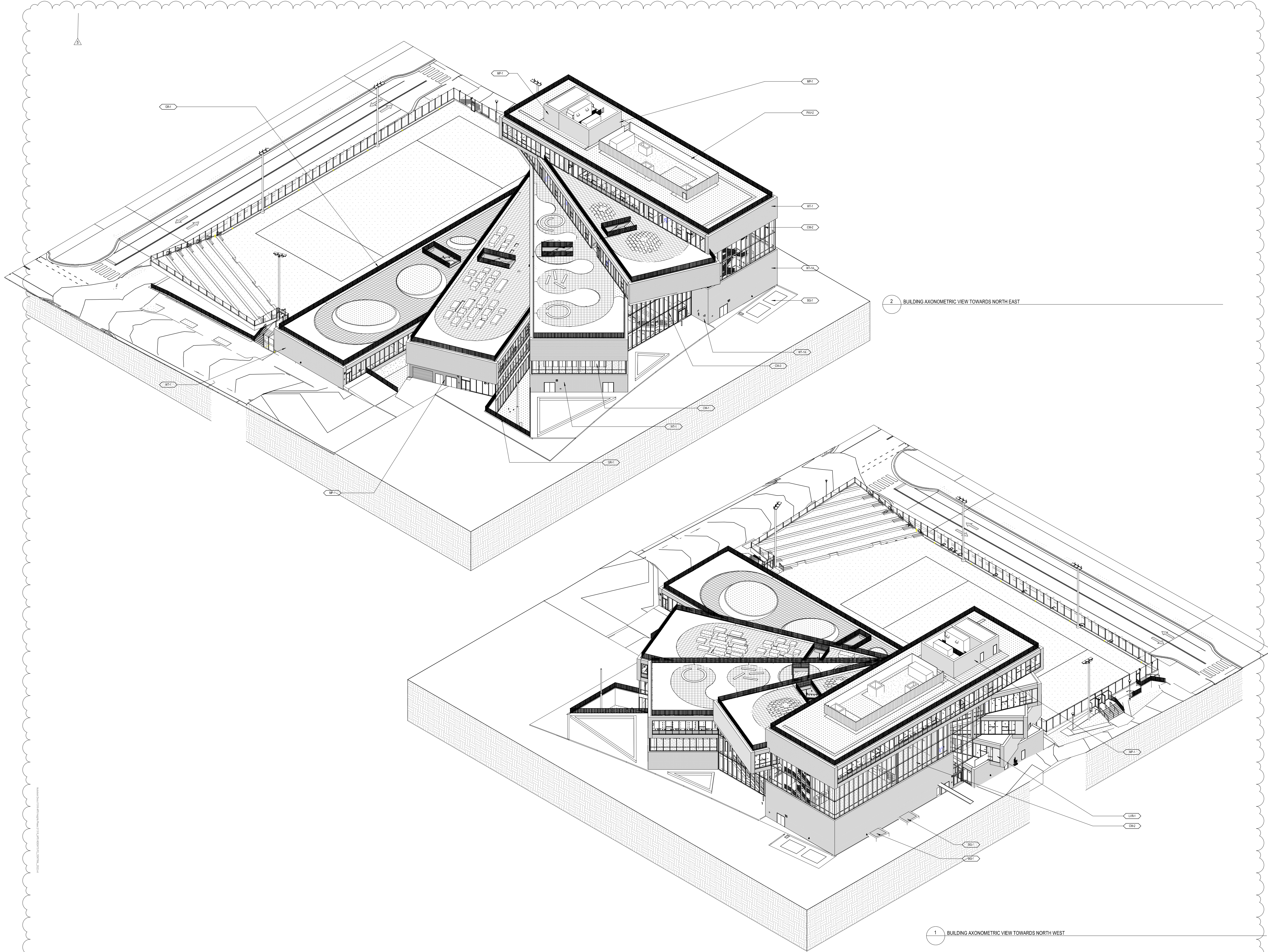
EXTERIOR MATERIALS & GLAZING LEGEND	
BO1	HOT-DIPPED GALVANIZED BARR GRATING
BRW1	GLAZED BRICK TILE (WHITE)
BRW2	GLAZED BRICK TILE (SLATE)
CONC1	EXPOSED CONCRETE
CONC2	INSULATED CONCRETE SANDWICH ASSEMBLY
CONC3	HYBRID ALUMINUM AND GLASS CURTAIN WALL SYSTEM
CONC4	HYBRID ALUMINUM AND GLASS CURTAIN WALL SYSTEM (HORIZONTAL)
CONC5	INSULATED ALUMINUM AND GLASS CURTAIN WALL SYSTEM (HORIZONTAL)
CONC6	INSULATED SAFETY VISION GLASS EXTERIOR GLAZING
CONC7	INSULATED SAFETY VISION GLASS VENTS AND DOORS
CONC8	ATHLETIC FIELD ENCLOSURE
CONC9	48" HIGH GUARDRAIL WITH HOT-DIPPED GALVANIZED VERTICAL PICKETS
CONC10	INSULATED DIVISIONAL DIVISIONS (FLOOR/ROOF)
CONC11	INSULATED DIVISIONAL DIVISIONS (FLOOR/ROOF)
CONC12	INSULATED DIVISIONAL DIVISIONS (FLOOR/ROOF)
CONC13	INTERIOR VISION GLASS ASSEMBLY (ACUSTIC)
CONC14	12" LAMINATED VISION SAFETY GLASS
CONC15	REFLECTIVE LOW-E WITH PERFORATED FASCIA
CONC16	WALL COVER PANEL
CONC17	ACM PANEL SCREEN ASSEMBLY (COLOR TO MATCH CUR)
CONC18	REFER TO MP-1
CONC19	METAL PLATE COPING (SILL ASSEMBLY (DURAWAR COLOR TO MATCH BRW-1))
CONC20	PRECAST CONCRETE WALL PANELS
CONC21	PRECAST CONCRETE ROOF AND FASCIA
CONC22	PRECAST CONCRETE ROOF AND FASCIA
CONC23	SEE WOODFORD STUDIOS FOR ROOFING
CONC24	POST-APPLIED WOODFORD STAINLESS SHEET WATERPROOFING
CONC25	TURF TILE (REFER TO LANDSCAPE DRAWINGS)
CONC26	SYNTHETIC TURF ASSEMBLY (REFER TO LANDSCAPE DRAWINGS)
CONC27	WALL TYPE 1 - 8" CMU MASONRY ASSEMBLY ON COLLOID-FORMED FRAMING
CONC28	WALL TYPE 2 - 8" CMU MASONRY ASSEMBLY ON COLLOID-FORMED FRAMING
CONC29	WALL TYPE 3 - 8" CMU MASONRY ASSEMBLY ON COLLOID-FORMED FRAMING
CONC30	OPERABLE HANGING WINDOW (3'-0" HIGH)



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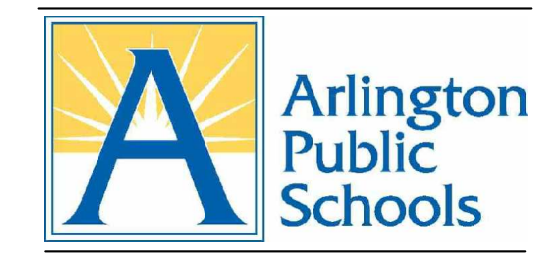
ISSUES AND REVISIONS	DATE
1. SUBMITTAL	07 FEB 22
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3. USE PERMIT AMENDMENT RESUBMISSION	24 JUN 22
4. USE PERMIT AMENDMENT #2 RESUBMISSION	

BUILDING AXONOMETRIC VIEWS



VMDO

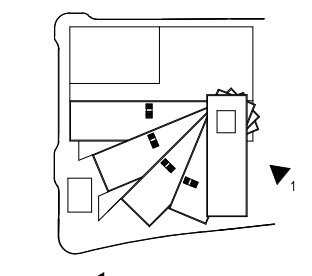
VMDO Architects
 vmdo.com
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 Charlottesville, VA 22902 | 1200 18th Street NW Ste 300
 Washington, DC 20036



ARLINGTON PUBLIC SCHOOLS
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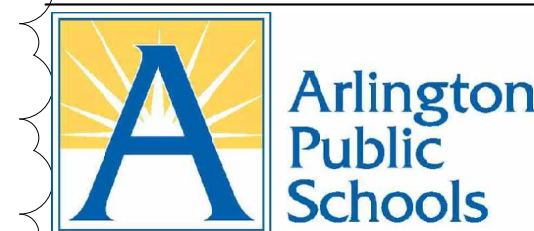


GRAPHIC SCALE - 1/2" = 1'-0"
 0 0'-1" 0'-2" 0'-3"

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ISSUES AND REVISIONS	DATE
1 NO. SUBMITTAL	07 FEB 22
2 USE PERMIT AMENDMENT	24 JUN 22
5 USE PERMIT AMENDMENT #2 RESUBMISSION	

BUILDING AXONOMETRIC VIEWS



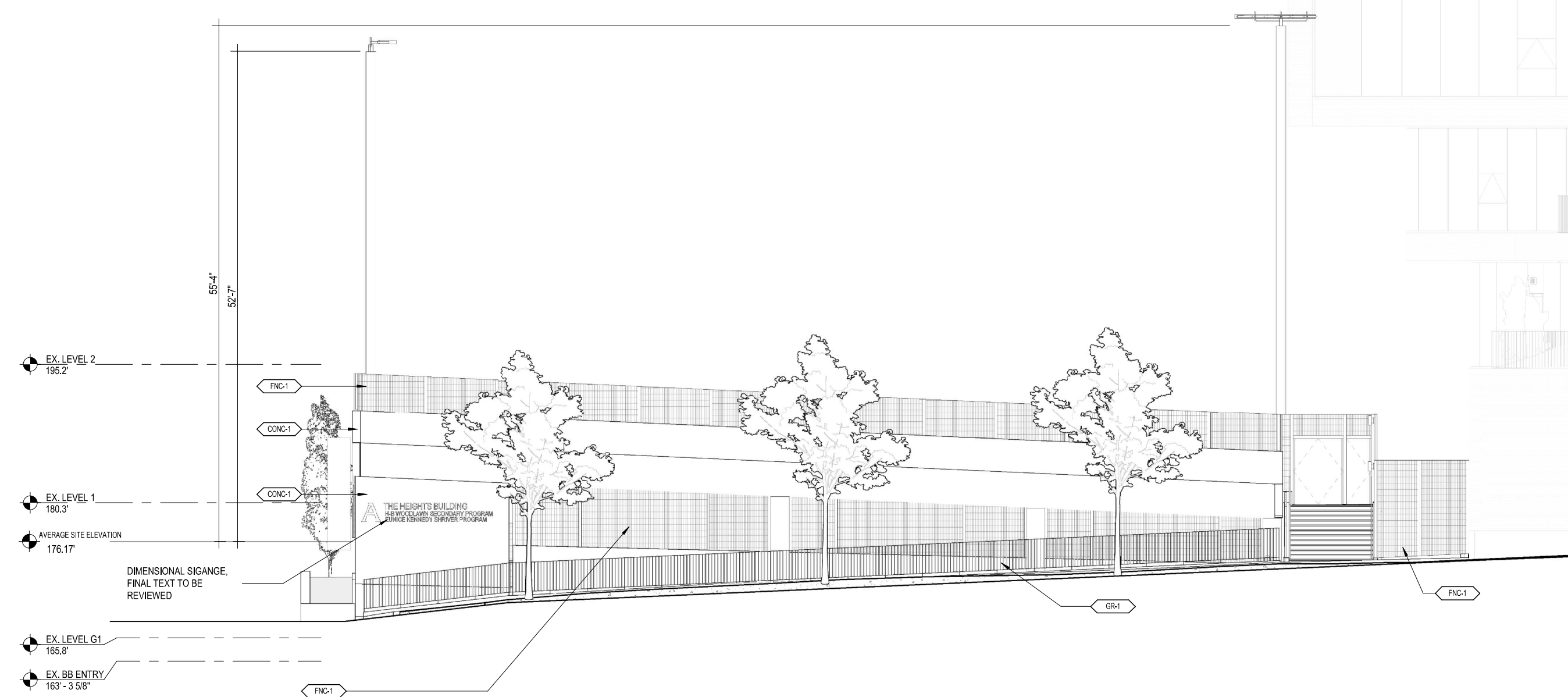
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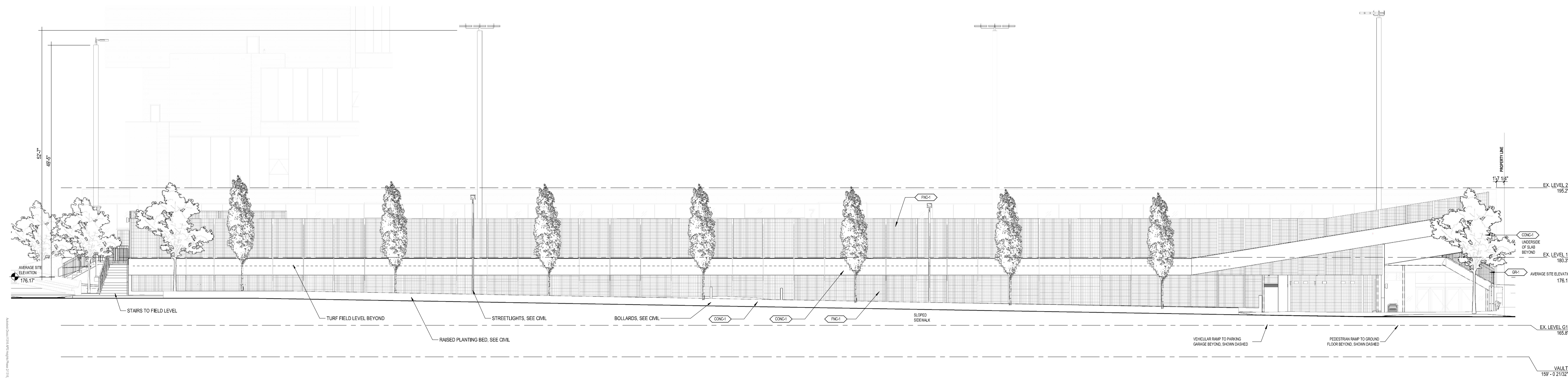
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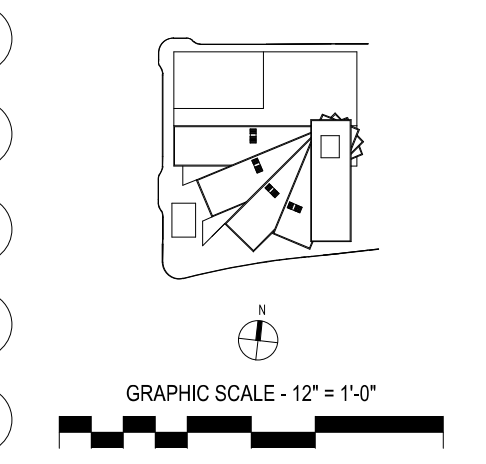
Checked By NC
 Drawn By NC



2 PARTIAL WEST ELEVATION AT NORTH QUINN STREET
 1/8" = 1'-0"



1 NORTH ELEVATION AT 18TH STREET
 1/8" = 1'-0"



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ISSUES AND REVISIONS

NO.	DESCRIPTION	DATE
1	USE PERMIT AMENDMENT	07 FEB 22
2	USE PERMIT AMENDMENT RESUBMISSION	25 APRIL 22
3	USE PERMIT AMENDMENT #2	24 JUN 22
4	RESUBMISSION	

EXTERIOR MATERIAL KEY:

[Pattern]	BRK1
[Pattern]	PC1 (CONC)
[Pattern]	LVR1 (LVR)
[Pattern]	MR1 (MRA)
[Pattern]	EG1 (ELG)

EXTERIOR MATERIALS & GLAZING LEGEND

BS-1	HOT-DIPPED GALVANIZED BARR GRATING	LVR-1	INFILL LOUVER WITH PERFORATED FASCIA
BRK-1	GLAZED BRICK TILE (WHITE)	LVR-2	WALL LOUVER PANEL
BRK-2	GLAZED BRICK TILE (BLACK)	WR-1	ACM HANDSHOWN ASSEMBLY (COLOR TO MATCH CW)
CONC-1	EXPOSED CONCRETE	WR-2	WINDOW SILL
CONC-2	INSULATED CONCRETE SANDWICH ASSEMBLY	WR-3	METAL PLATE CSP (PCI) SILL ASSEMBLY (DURAWALL COLOR TO MATCH BRK-1)
CW-1	HYBRID ALUMINUM AND GLASS CURTAIN WALL SYSTEM	PC-1	PRECAST CONCRETE WALL PANELS
CW-1A	HYBRID ALUMINUM AND GLASS CURTAIN WALL SYSTEM (WORKABLE INFILL)	PC-2	PRECAST CONCRETE RISER AND TREAD UNITS
CW-2	SSG ALUMINUM AND GLASS CURTAIN WALL (PERFORCING AS REQ'D)	RWP-1	SEE MODIFIED BITUMEN MEMBRANE ROOFING
EG1-1	INSULATED SAFETY VISION GLASS EXTERIOR GLAZING	RWP-2	POST-APPLIED MODIFIED BITUMEN US SHEET WATERPROOFING
EG1-A	INSULATED SAFETY VISION GLASS ENTRY AND DOORS	TSL-1	1.5" T&E (REFER TO LANDSCAPE DRAWINGS)
FGC-1	ATHLETIC FIELD (ENGLAND)	TL-2	SYNTHETIC TARP ASSEMBLY (REFER TO LANDSCAPE DRAWINGS)
GR-1	4" HIGH GUARDRAIL WITH HOT-DIPPED GALVANIZED VERTICAL PICKETS	MT-1	WALL TYPE 1A - BRK-1 MASONRY ASSEMBLY ON CMU BACKUP WALL
HR-1	HORIZONTAL, ON VERTICAL STANCHIONS (FLOOR-MOUNTED)	MT-1A	WALL TYPE 1A - BRK-1 MASONRY ASSEMBLY ON CMU BACKUP WALL
IGL-1	INTERIOR VISION GLAZING ASSEMBLY (GLAZING)	WOB-1	OPERABLE AIRING WINDOW (12" HIGH)
IGL-2	1/2" LAMINATED PEBBLED SAFETY GLASS		

ATHLETIC FIELD ELEVATIONS