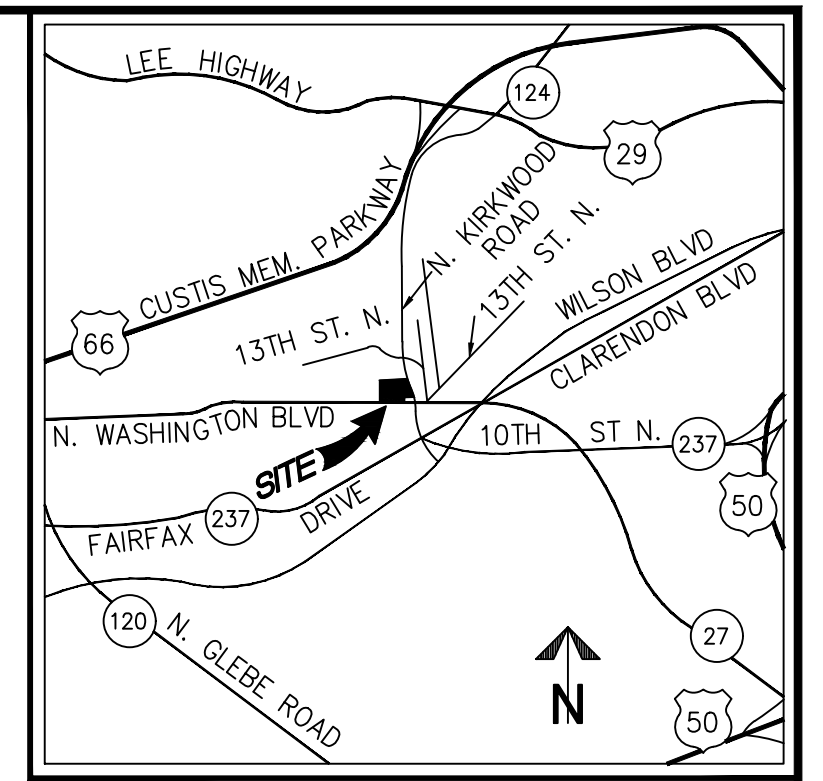


# WASHINGTON BOULEVARD AT KIRKWOOD

3411, 3415, & 3421 WASHINGTON BLVD  
& 1122 NORTH KIRKWOOD ROAD

ADMINISTRATIVE REGULATION 4.1  
ARLINGTON COUNTY, VIRGINIA

CONCEPT PLAN SUBMISSION - DECEMBER 14, 2017  
FIRST PRELIMINARY 4.1 SITE PLAN SUBMISSION - FEBRUARY 21, 2018  
SECOND PRELIMINARY 4.1 SITE PLAN SUBMISSION - APRIL 27, 2018



VICINITY MAP SCALE: 1"=2000'

## SHEET INDEX

### CIVIL ENGINEERING

- C-0101 COVER SHEET
- C-0301 CERTIFIED SURVEY PLAT
- C-0302 CERTIFIED SURVEY PLAT
- C-0303 REZONING PLAT
- C-0304 PRELIMINARY SUBDIVISION PLAT
- C-0305 VACATION PLAT (EXISTING CONDITIONS)
- C-0306 VACATION PLAT (EXISTING CONDITIONS)
- C-0307 VACATION PLAT (PROPOSED CONDITIONS)
- C-0308 VACATION PLAT (PROPOSED CONDITIONS)
- C-0309 AERIAL EXHIBIT
- C-0310 CONTEXTUAL PLAN
- C-0401 PLOT AND LOCATION PLAN
- C-0402 GRADING PLAN
- C-0403 PRESENTATION PLAN
- C-0404 EXISTING STRIPING & MARKING PLAN
- C-0405 PROPOSED STRIPING & MARKING PLAN
- C-0406 STREET CROSS-SECTIONS
- C-0407 STREET CROSS-SECTIONS
- C-0408 STREET CROSS-SECTIONS
- C-0409 STREET CROSS-SECTIONS
- C-0701 PRELIMINARY STORMWATER MANAGEMENT PLAN
- C-0702 PRELIMINARY IMPERVIOUS AREA ANALYSIS
- C-0703 PRELIMINARY OUTFALL ANALYSIS
- C-0704 PRELIMINARY BMP COMPUTATIONS
- C-0705 PRELIMINARY SWM COMPUTATIONS
- C-1201 TREE INVENTORY AND PRESERVATION PLAN
- C-1202 TREE PRESERVATION NOTES

### ARCHITECTURE

- A-100 GARAGE LEVEL 02 PLAN
- A-101 GARAGE LEVEL 01 PLAN
- A-102 FIRST FLOOR PLAN
- A-103 SECOND FLOOR PLAN (3-6 SIMILAR)
- A-104 ROOF PLAN
- A-105 MASSING CONTEXT
- A-106 MASSING
- A-107 BUILDING ELEVATIONS
- A-108 BUILDING ELEVATIONS
- A-109 BUILDING SECTIONS
- A-110 COMPARATIVE HEIGHT SECTIONS
- A-111 STREET FRONTAGE ELEVATIONS
- A-112 STREET FRONTAGE ELEVATIONS
- A-113 CONTEXT VIEWS
- A-114 CONTEXT VIEWS
- A-115 FUTURE 12TH ROAD EXHIBITS
- A-116 TABULATIONS
- A-117 MATERIALS

### LANDSCAPE ARCHITECTURE

- L-100 OVERALL SITE PLAN
- L-101 WASHINGTON BLVD ENLARGEMENT
- L-102 CORNER ENLARGEMENT
- L-103 KIRKWOOD ROAD ENLARGEMENT
- L-104 COURTYARD AND ALLEY ENLARGEMENT
- L-201 HARDSCAPE DETAILS
- L-202 HARDSCAPE DETAILS
- L-301 PLANTING DETAILS
- L-302 PLANT SCHEDULE

## DEVELOPMENT TEAM

### APPLICANT

ELEVENTH STREET DEVELOPMENT, LLC  
24 WEST CEDAR STREET  
ALEXANDRIA, VA 22301  
703.519.3881  
CONTACT: GARRETT ERDLE

### ATTORNEY

WALSH COLUCCI LUBELEY & WALSH PC  
2200 CLARENDON BOULEVARD  
SUITE 1300  
ARLINGTON, VIRGINIA 22201  
703.528.4700  
CONTACT: M. CATHARINE PUSKAR

### ARCHITECT

ODELL  
2700 EAST CARY STREET  
RICHMOND, VA 23223  
804.287.8200  
CONTACT: SHAWN GLERUM, AIA

### LANDSCAPE ARCHITECT

STUDIO39 LANDSCAPE ARCHITECTURE, P.C.  
6416 GROVEDALE DRIVE, SUITE 100-A  
ALEXANDRIA, VA 22310  
703.719.6500  
CONTACT: DAN DOVE, PLA, LEED AP BD+C

### CIVIL ENGINEER

WALTER L. PHILLIPS, INC.  
207 PARK AVENUE  
FALLS CHURCH, VA 22046  
703.532.6163  
CONTACT: KAREN WHITE, P.E.



## COVER SHEET

**WALTER L. PHILLIPS** INCORPORATED ESTABLISHED 1945

Engineers • Surveyors • Planners  
Landscape Architects • Arborists  
207 PARK AVENUE  
FALLS CHURCH, VIRGINIA 22046  
(703) 532-6163 Fax (703) 533-1301  
www.WLPINC.com

ARLINGTON, VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL SERVICES  
**WASHINGTON BOULEVARD AT KIRKWOOD**  
3411, 3415, & 3421 WASHINGTON BLVD  
& 1122 NORTH KIRKWOOD ROAD  
ARLINGTON COUNTY, VIRGINIA

SCALE: 1" = 25'	DRAWN TPB	CHECKED KSW
SUBMITTED DATE CONCEPT PLAN SUB. 12/14/2017	APPROVED DATE	APPROVED DATE
1ST PRELIM. 4.1 SITE PLAN SUB. 02/21/2018	CHIEF TRANSPORTATION PLANNING BUREAU	CHIEF TRANSPORTATION ENGINEERING BUREAU
2ND PRELIM. 4.1 SITE PLAN SUB. 04/27/2018	APPROVED DATE	APPROVED DATE
APPROVED DATE	CHIEF WATER, SEWER & STREETS BUREAU	DIRECTOR OF ENVIRONMENTAL SERVICES
	CHIEF ENGINEERING BUREAU	
		SHEET: <b>C-0101</b>



VCS 1983 - NORTH ZONE

N/F YMCA.  
DB 1426 PG 34

NORTH KIRKWOOD ROAD  
VARIABLE WIDTH PUBLIC RIGHT-OF-WAY

N/F 3427 WASHINGTON  
BOULEVARD, LLC  
DB 3345 PG 857

WASHINGTON BOULEVARD  
VARIABLE WIDTH PUBLIC RIGHT-OF-WAY

**LEGEND**

- AC..... AIR CONDITIONER
- APPROX. LOC..... APPROXIMATE LOCATION
- AW..... AREA WAY
- BL..... BIKE LANE
- BLD HT..... BUILDING HEIGHT
- CAN..... CANOPY
- CC..... CONCRETE CHANNEL
- CHK..... CHISELED X SET (PROPERTY CORNER)
- CLF..... CHAINLINK FENCE
- CLV..... CULVERT
- COL..... CLEANOUT
- CO..... COLUMN
- CONC..... CONCRETE
- CR..... CONCRETE RAMP
- CS..... CONCRETE STOOP
- CSTR..... COVERED STAIRWAY
- DB..... DEED BOOK
- DIP..... DUCTILE IRON PIPE
- EM..... ELECTRIC METER
- EO..... ELECTRIC OUTLET
- EDGE..... EDGE OF PAVEMENT
- EASMT..... EASEMENT
- F..... FUEL TANK
- FC..... FINISH FLOOR ELEVATION
- FP..... FLAG POLE
- FF..... FIRST FLOOR WALL LINE
- GM..... GAS METER
- GV..... GAS VALVE
- HC..... HANDICAPPED RAMP
- HPS..... HAND-PLACED STONE WALK
- HVAC..... HEATING AND AIR UNIT
- INV..... INVERT
- IPF..... IRON PIN FOUND (PROPERTY CORNER)
- IPS..... IRON PIN SET (PROPERTY CORNER)
- JB..... JUNCTION BOX
- LSW..... LANDSCAPING WALL
- MA..... MAST ARM
- N/F..... NOW OR FORMERLY
- NS..... NAIL SET (PROPERTY CORNER)
- OH..... OVERHANG/CANOPY
- OSP..... ON-STREET PARKING
- PG..... PAGE
- POB..... POINT OF BEGINNING
- PVC..... PLASTIC PIPE
- RC..... ROLLED ASPHALT CURB
- RCP..... REINFORCED CONCRETE PIPE
- RE..... RECESSED ENTRYWAY
- RET..... RETAINING WALL
- RT..... RADIO TOWER
- SC..... STORAGE CONTAINER
- SD..... STORM SEWER STRUCTURE
- SH..... SHED
- SMH..... SANITARY SEWER STRUCTURE
- SN..... SIGN
- SQ.FT..... SQUARE FEET
- SW..... SIDEWALK
- TD..... TRENCH DRAIN
- TCB..... TRAFFIC CONTROL BOX
- TRANS..... ELECTRIC TRANSFORMER
- TRLP..... TRAFFIC LIGHT/SIGNAL POLE
- UVT..... UTILITY VAULT
- WD..... WOODEN DECK
- WDF..... WOODEN FENCE
- WM..... WATER METER
- WV..... WATER VALVE
- WY..... FIRE HYDRANT
- △..... DOORWAY/ENTRANCE
- ▽..... UTILITY POLE
- ▽..... OVERHEAD WIRES
- ▽..... GUY WIRE
- ☆..... LIGHT POLE
- ▽..... UNDERGROUND ELECTRIC LINE
- ▽..... FENCE
- ▽..... UNDERGROUND GAS LINE
- ▽..... UNDERGROUND SANITARY LINE
- ▽..... UNDERGROUND SANITARY LATERAL LINE
- ▽..... UNDERGROUND TELECOMMUNICATIONS LINE
- ▽..... UNDERGROUND WATER LINE
- ..... TREE
- ..... LIMITS OF TREE CANOPY/VEGETATION
- ..... CURB AND GUTTER
- ..... BOLLARD
- ..... SPOT ELEVATION
- ..... SIGN
- ..... ELECTRIC MANHOLE
- ..... TELECOMMUNICATIONS MANHOLE
- ..... WATER MANHOLE

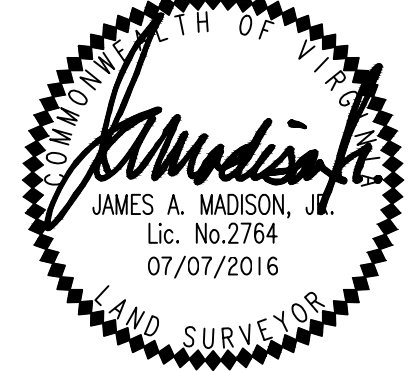
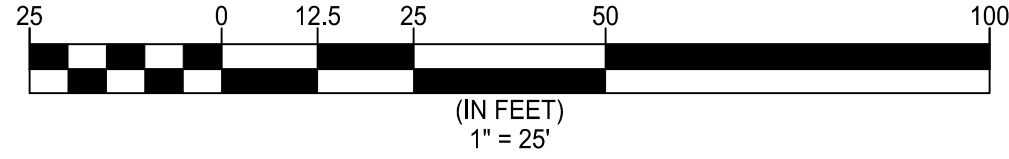
⊕ DENOTES BENCHMARK  
CUT X SET  
ELEV=233.47

⊕ DENOTES APPROXIMATE  
\* LOCATION VEPCO ESMT  
DB 1304 PG 283

\*NO DISCERNIBLE STRIPING  
ON/OFF INDICATES APPROXIMATE LOCATION  
RELATIVE TO SUBJECT PROPERTY

**CURVE TABLE**

CURVE	RADIUS	LENGTH	DELTA	TANGENT	CHORD	CHORD BEARING
C1	20.00'	15.52'	44°27'08"	8.17'	15.13'	S16°20'58"W
C2	25.00'	11.95'	27°23'15"	6.09'	11.84'	S75°51'37"W
C3	751.61'	18.45'	1°24'22"	9.22'	18.45'	N89°44'35"W



**CERTIFIED SURVEY PLAT**

WALTER L. PHILLIPS

INCORPORATED ESTABLISHED 1945

Engineers • Surveyors • Planners  
Landscape Architects • Arborists  
207 PARK AVENUE  
FALLS CHURCH, VIRGINIA 22046  
(703) 532-6163 Fax (703) 533-1301  
www.WLPINC.com

ARLINGTON, VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL SERVICES  
WASHINGTON BOULEVARD AT KIRKWOOD  
3411, 3415, & 3421 WASHINGTON BLVD  
& 1122 NORTH KIRKWOOD ROAD  
ARLINGTON COUNTY, VIRGINIA

SCALE: 1" = 25'	DRAWN: TPB	CHECKED: KSW
SUBMITTED DATE: CONCEPT PLAN SUB. 12/14/2017 1ST PRELIM. 4.1 SITE PLAN SUB. 02/21/2018 2ND PRELIM. 4.1 SITE PLAN SUB. 04/27/2018	APPROVED DATE: CHIEF TRANSPORTATION PLANNING BUREAU APPROVED DATE	APPROVED DATE: CHIEF TRANSPORTATION ENGINEERING BUREAU APPROVED DATE
CHIEF WATER, SEWER & STREETS BUREAU	CHIEF ENGINEERING BUREAU	DIRECTOR OF ENVIRONMENTAL SERVICES

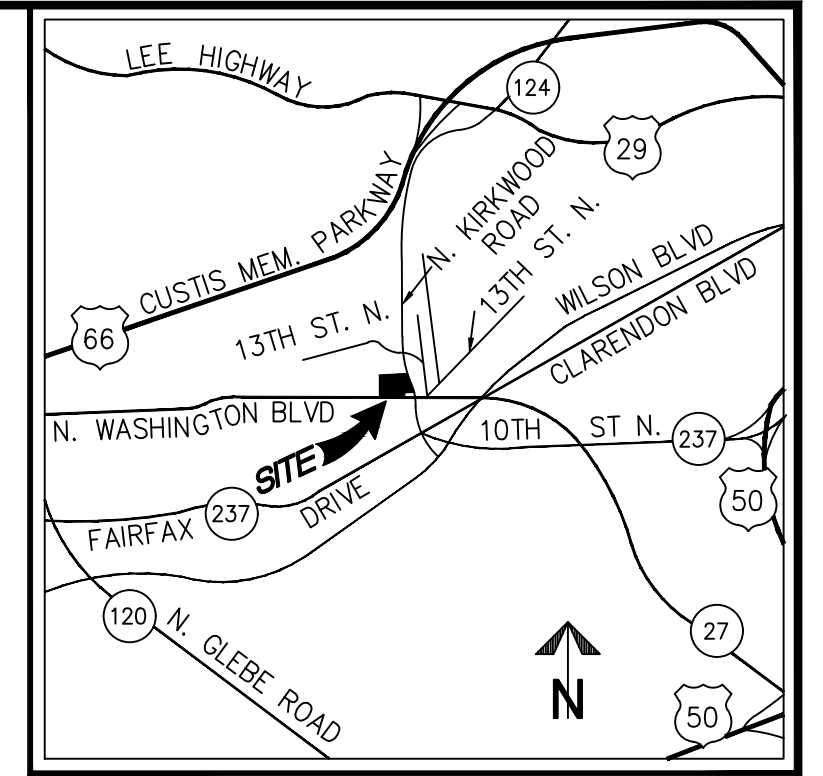
SHEET: C-0301



N/F YMCA.  
DB 1426 PG 33

**NOTES:**

1. THE PROPERTIES SHOWN HEREON APPEAR ON ARLINGTON COUNTY REAL PROPERTY IDENTIFICATION MAP NUMBER 53-2, AS REAL PROPERTY CODE (RPC) NUMBERS 15086001, 15086002, 15086005, 15086006, AND 15086025 AND ARE ZONED C-2.
2. TOTAL AREA OF THE PROPERTY IS 75,187 SQUARE FEET OR 1.7261 ACRES.
3. THIS PLAT IS BASED ON A FIELD SURVEY BY THIS FIRM, DATED 07/07/2016.
4. THE SITE SHOWN HEREON IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 AS COMPUTED FROM A FIELD RUN VERTICAL CONTROL SURVEY AND IS REFERENCED TO THE VIRGINIA COORDINATE SYSTEM OF 1983, [NAD 83(2011) (EPOCH:2010.0000)] AS COMPUTED FROM A FIELD RUN BOUNDARY AND HORIZONTAL CONTROL SURVEY THAT TIES THIS SUBDIVISION BOUNDARY AND THE BENCHMARK(S) SHOWN TO NOAA/NGS MONUMENT PID NUMBER DH4144; STERLING CORS ARP. THE COMBINED FACTOR APPLIED TO THE FIELD DISTANCES TO DERIVE THE REFERENCED COORDINATES IS 0.99995266. THE FOOT DEFINITION USED FOR CONVERSION OF THE MONUMENT COORDINATES AND IN THE PERFORMANCE OF THIS SURVEY IS THE U.S. SURVEY FOOT. CONTOUR INTERVAL IS TWO FEET.
5. THE PROPERTY IS TO BE FOR RESIDENTIAL USE.



VICINITY MAP SCALE: 1"=2000'

**ZONING DESCRIPTION**

DESCRIPTION OF: PARCELS 1 AND 2, AS SHOWN ON THE PLAT ENTITLED PROPERTY OF B.F. WILTSHIRE RECORDED IN DEED BOOK 1296 AT PAGE 298; AND LOTS 1, 2, 3 AND 4 OF THE SUBDIVISION OF THE PROPERTY OF THOMAS H. FAIRBANKS AS RECORDED IN DEED BOOK 403 AT PAGE 183, LESS AND EXCEPT PORTIONS OF AFORESAID LOT 1 AS RECORDED IN DEED BOOK 910 AT PAGE 283 AND DEED BOOK 1557 AT PAGE 470, PROPOSED TO BE REZONED FROM C-2 TO C-0-2.5.

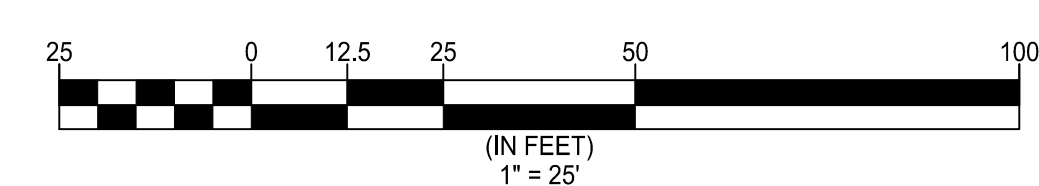
BEGINNING AT A POINT IN THE WEST RIGHT-OF-WAY LINE OF NORTH KIRKWOOD ROAD, SAID POINT BEING THE SOUTHEAST CORNER OF NOW-OR-FORMERLY YOUNG MEN'S CHRISTIAN ASSOCIATION OF THE CITY OF WASHINGTON; THENCE WITH THE WEST RIGHT-OF-WAY LINE OF NORTH KIRKWOOD ROAD, S 05° 52' 36" E, 202.15 FEET TO A POINT; THENCE S 84° 07' 24" W, 5.00 FEET TO A POINT; THENCE S 05° 52' 36" E, 46.58 FEET TO A POINT; THENCE 15.52 FEET WITH THE ARC OF A CURVE BEARING TO THE RIGHT AND HAVING A RADIUS OF 20.00 FEET (TANGENT LENGTH 8.17 FEET, CHORD LENGTH 15.13 FEET, CHORD BEARING S 16° 20' 58" W) TO A POINT; THENCE 11.95 FEET WITH THE ARC OF A CURVE BEARING TO THE RIGHT AND HAVING A RADIUS OF 25.00 FEET (TANGENT LENGTH 6.09 FEET, CHORD LENGTH 11.84 FEET, CHORD BEARING S 75° 51' 37" W) TO A POINT IN THE NORTH RIGHT-OF-WAY LINE OF WILSON BOULEVARD; THENCE WITH THE NORTH RIGHT-OF-WAY LINE OF WILSON BOULEVARD, S 89° 33' 14" W, 47.74 FEET TO A POINT; THENCE 18.45 FEET WITH THE ARC OF A CURVE BEARING TO THE RIGHT AND HAVING A RADIUS OF 75.16 FEET (TANGENT LENGTH 9.22 FEET, CHORD LENGTH 18.45 FEET, CHORD BEARING N 89° 44' 35" W) TO A POINT; THENCE N 85° 56' 36" W, 26.57 FEET TO A POINT; THENCE S 05° 52' 36" E, 0.70 FEET TO A POINT; THENCE N 85° 56' 36" W, 206.65 FEET TO A POINT, SAID POINT BEING THE SOUTHEAST CORNER OF NOW-OR-FORMERLY 3427 WASHINGTON BOULEVARD, LLC; THENCE WITH 3427 WASHINGTON BOULEVARD, LLC AND CONTINUING WITH THE PROPERTY SHOWN IN PUBLIC RECORDS AS BALL CEMETERY, N 00° 10' 06" W, 219.50 FEET TO A POINT, SAID POINT BEING IN THE SOUTH LINE OF NOW-OR-FORMERLY YOUNG MEN'S CHRISTIAN ASSOCIATION OF THE CITY OF WASHINGTON; THENCE WITH YOUNG MEN'S CHRISTIAN ASSOCIATION OF THE CITY OF WASHINGTON, N 84° 07' 24" E, 296.20 FEET TO THE POINT OF BEGINNING AND CONTAINING AN AREA OF 75,187 SQUARE FEET, OR 1.7261 ACRES, MORE OR LESS.

**AREA TABULATIONS:**

PARCEL (RPC)	LOT	OWNER	CURRENTLY ZONED C-2		PROPOSED ZONE C-0-2.5	
			SQ. FT.	ACRES	SQ. FT.	ACRES
150-86-001	LOT 1, PART LOT 2	GEORGE L. GRAHAM AND DORIS P. GRAHAM, TRUSTEES	6343	0.1456	6343	0.1456
150-86-002	PART LOT 2	YM CLUB PROPERTIES, LLC	8230	0.1889	8230	0.1889
150-86-005	PARCEL 2	BETTY F. SLYE, TRUSTEE	24159	0.5546	24159	0.5546
150-86-006	PARCEL 1	3421 WASHINGTON BOULEVARD, LLC	21543	0.4946	21543	0.4946
150-86-025	LOTS 3, 4	YM CLUB PROPERTIES, LLC	14912	0.3423	14912	0.3423
<b>TOTAL</b>			<b>75187</b>	<b>1.7261</b>	<b>75187</b>	<b>1.7261</b>

**CURVE TABLE**

CURVE	RADIUS	LENGTH	DELTA	TANGENT	CHORD	CHORD BEARING
C1	20.00'	15.52'	44°27'08"	8.17'	15.13'	S16°20'58"W
C2	25.00'	11.95'	27°23'15"	6.09'	11.84'	S75°51'37"W
C3	751.61'	18.45'	1°24'22"	9.22'	18.45'	N89°44'35"W



**REZONING PLAT**

**WALTER L. PHILLIPS** INCORPORATED ESTABLISHED 1945  
 Engineers • Surveyors • Planners  
 Landscape Architects • Arborists  
 207 PARK AVENUE  
 FALLS CHURCH, VIRGINIA 22046  
 (703) 532-6163 Fax (703) 533-1301  
 www.WLPINC.com

**ARLINGTON, VIRGINIA  
 DEPARTMENT OF ENVIRONMENTAL SERVICES**

**WASHINGTON BOULEVARD AT KIRKWOOD**  
 3411, 3415, & 3421 WASHINGTON BLVD  
 & 1122 NORTH KIRKWOOD ROAD  
 ARLINGTON COUNTY, VIRGINIA

SCALE: 1" = 25'	DRAWN TBP	CHECKED KSW
SUBMITTED DATE CONCEPT PLAN SUB. 12/14/2017 1ST PRELIM. 4.1 SITE PLAN SUB. 02/21/2018 2ND PRELIM. 4.1 SITE PLAN SUB. 04/27/2018	APPROVED DATE CHIEF TRANSPORTATION PLANNING BUREAU APPROVED DATE	APPROVED DATE CHIEF TRANSPORTATION ENGINEERING BUREAU APPROVED DATE
APPROVED DATE CHIEF WATER, SEWER & STREETS BUREAU	APPROVED DATE CHIEF ENGINEERING BUREAU	APPROVED DATE DIRECTOR OF ENVIRONMENTAL SERVICES

SHEET: **C-0303**

N/F Y.M.C.A.  
DB 1426 PG 33

PROP. VARIABLE WIDTH  
PUBLIC STORM SEWER  
EASEMENT  
6,538 SQ. FT.

RPC 150-86-005  
PARCEL 2  
TOTAL AREA=  
75,187 SQ.FT.

RPC  
150-86-006  
PARCEL 1

PARCEL A  
±75,187 SF

LOT 4

RPC 150-86-025

LOT 3

RPC  
150-86-002  
PT. LOT 2

PT. LOT 2  
RPC  
150-86-001

LOT 1

NORTH KIRKWOOD ROAD  
VARIABLE WIDTH PUBLIC RIGHT-OF-WAY

PROP. VARIABLE WIDTH  
PUBLIC STORM SEWER  
EASEMENT  
6,538 SQ. FT.

\* DENOTES APPROXIMATE  
LOCATION VEPCO ESMT  
DB 1304 PG 283

N 7,009,005.499  
E 11,881,000.784

PROP. 20'  
INGRESS-EGRESS  
EASEMENT  
9,654 SQ. FT.

N 7,008,786.117  
E 11,881,001.357

BALL BURIAL  
GROUNDS

VCS 1988 - NORTH ZONE

N/F 3427 WASHINGTON  
BOULEVARD, LLC  
DB 3345 PG 657

PROP. EASEMENT FOR PUBLIC  
STREET, SIDEWALK  
AND UTILITY PURPOSES  
5,427 SQ. FT.

**AREA TABULATIONS:**

EXISTING LOT AREAS			EXISTING AREAS		EXISTING ZONE
PARCEL (RPC)	LOT	OWNER	SQ. FT.	ACRES	
150-86-001	LOT 1, PART LOT 2	GEORGE L. GRAHAM AND DORIS P. GRAHAM, TRUSTEES	6343	0.1456	C-2
150-86-002	PART LOT 2	VM CLUB PROPERTIES, LLC	8230	0.1889	C-2
150-86-005	PARCEL 2	BETTY F. SLYE, TRUSTEE	24159	0.5546	C-2
150-86-006	PARCEL 1	3421 WASHINGTON BOULEVARD, LLC	21543	0.4946	C-2
150-86-025	LOTS 3, 4	VM CLUB PROPERTIES, LLC	14912	0.3423	C-2
<b>TOTAL</b>			<b>75187</b>	<b>1.7261</b>	

PROPOSED LOT AREAS			PROPOSED ZONE
PARCEL/LOT	PROPOSED AREAS	SQ. FT.	
PARCEL A	75187	1.7261	C-0-2.5
<b>TOTAL</b>	<b>75187</b>	<b>1.7261</b>	

**NOTES:**

- THE PROPERTIES SHOWN HEREON APPEAR ON ARLINGTON COUNTY REAL PROPERTY IDENTIFICATION MAP NUMBER 53-2, AS REAL PROPERTY CODE (RPC) NUMBERS 15086001, 15086002, 15086005, 15086006, AND 15086025 AND ARE ZONED C-2.
- THE PROPERTIES ARE NOW IN THE NAME OF:  
15086001 - GEORGE L. GRAHAM AND DORIS P. GRAHAM, TRUSTEES - DEED BOOK 3661 PAGE 218  
15086002/15086025 - VM CLUB PROPERTIES, LLC - DEED BOOK 4639 PAGE 2014  
15086005 - BETTY F. SLYE, TRUSTEE - DEED BOOK 4807 PAGE 1924  
15086006 - 3421 WASHINGTON BOULEVARD, LLC - DEED BOOK 3439 PAGE 1093
- TOTAL AREA OF THE PROPERTY IS 75,187 SQUARE FEET OR 1.7261 ACRES.
- THIS PLAT IS BASED ON A FIELD SURVEY BY THIS FIRM, DATED 07/07/2016.
- THE PROPERTIES SHOWN HEREON ARE SUBJECT TO ALL DEDICATIONS, EASEMENTS, COVENANTS AND RESTRICTIONS IN THEIR RESPECTIVE CHAINS OF TITLE. THIS SURVEY, AND THE EASEMENTS SHOWN HEREON, WAS PREPARED WITH THE BENEFIT OF THE FOLLOWING:  
RPC: 15086001 - TITLE REPORT PREPARED BY WALKER TITLE LLC, CASE NUMBER A1700519, EFFECTIVE DATE, MAY 21, 2017  
RPC: 15086005 - TITLE REPORT PREPARED BY WALKER TITLE, LLC, CASE NUMBER A1500379, EFFECTIVE DATE, MAY 24, 2015  
RPC: 15086006 - TITLE REPORT PREPARED BY WALKER TITLE, LLC, CASE NUMBER A1600323, EFFECTIVE DATE, MARCH 6, 2016  
RPC: 15086025/15086002 - COMMITMENT FOR TITLE INSURANCE ISSUED BY FIRST AMERICAN TITLE INSURANCE COMPANY, POLICY NUMBER NCS-661249-1-DC72, EFFECTIVE DATE APRIL 4, 2014
- THE SITE SHOWN HEREON IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 AS COMPUTED FROM A FIELD RUN VERTICAL CONTROL SURVEY AND IS REFERENCED TO THE VIRGINIA COORDINATE SYSTEM OF 1983, [NAD 83(2011) (EPOCH:2010.0000)] AS COMPUTED FROM A FIELD RUN BOUNDARY AND HORIZONTAL CONTROL SURVEY THAT TIES THIS SUBDIVISION BOUNDARY AND THE BENCHMARK(S) SHOWN TO NOAA/NGS MONUMENT PID NUMBER DH4144; STERLING CORS ARP. THE COMBINED FACTOR APPLIED TO THE FIELD DISTANCES TO DERIVE THE REFERENCED COORDINATES IS 0.99995266. THE FOOT DEFINITION USED FOR CONVERSION OF THE MONUMENT COORDINATES AND IN THE PERFORMANCE OF THIS SURVEY IS THE U.S. SURVEY FOOT. CONTOUR INTERVAL IS TWO FEET.

**PRELIMINARY SUBDIVISION PLAT**

**WALTER L. PHILLIPS**  
INCORPORATED ESTABLISHED 1945

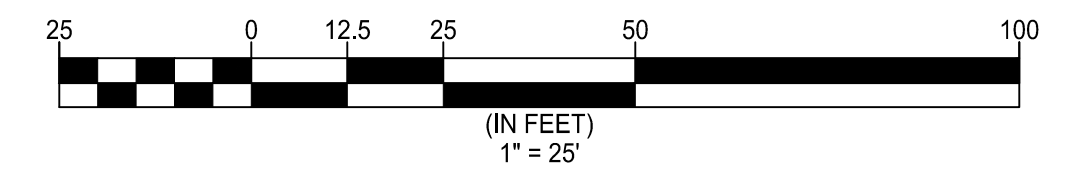
Engineers • Surveyors • Planners  
Landscape Architects • Arborists  
207 PARK AVENUE  
FALLS CHURCH, VIRGINIA 22046  
(703) 532-6163 Fax (703) 533-1301  
www.WLPINC.com

**ARLINGTON, VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL SERVICES**  
**WASHINGTON BOULEVARD AT KIRKWOOD**  
3411, 3415, & 3421 WASHINGTON BLVD  
& 1122 NORTH KIRKWOOD ROAD  
ARLINGTON COUNTY, VIRGINIA

SCALE: 1" = 25'	DRAWN TPB	CHECKED KSW
SUBMITTED DATE CONCEPT PLAN SUB. 12/14/2017 1ST PRELIM. 4.1 SITE PLAN SUB. 02/21/2018 2ND PRELIM. 4.1 SITE PLAN SUB. 04/27/2018	APPROVED DATE CHIEF TRANSPORTATION PLANNING BUREAU APPROVED DATE	APPROVED DATE CHIEF TRANSPORTATION ENGINEERING BUREAU APPROVED DATE
APPROVED DATE CHIEF WATER, SEWER & STREETS BUREAU	APPROVED DATE CHIEF ENGINEERING BUREAU	APPROVED DATE DIRECTOR OF ENVIRONMENTAL SERVICES

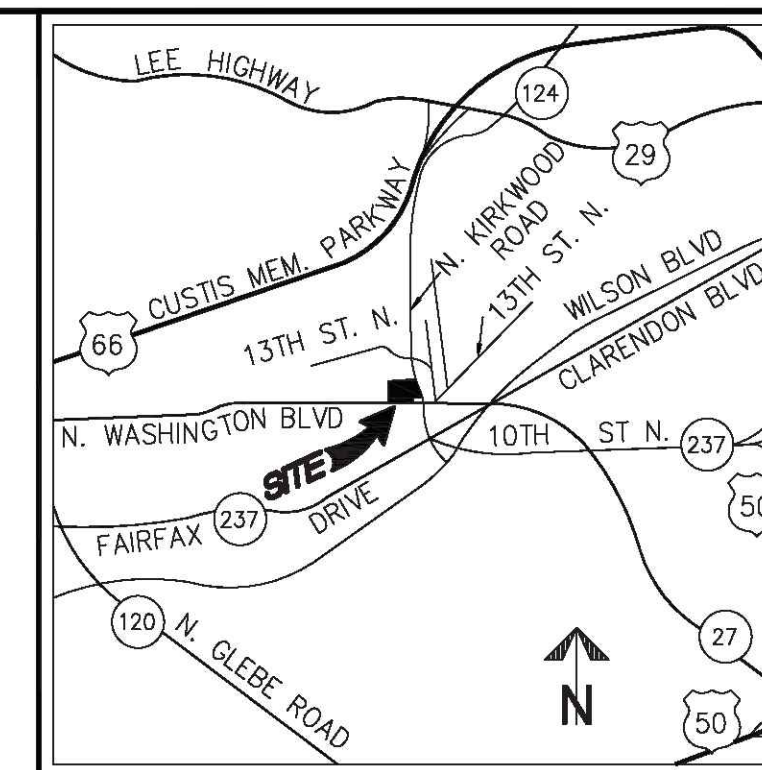
**CURVE TABLE**

CURVE	RADIUS	LENGTH	DELTA	TANGENT	CHORD	CHORD BEARING
C1	20.00'	15.52'	44°27'08"	8.17'	15.13'	S16°20'58"W
C2	25.00'	11.95'	27°23'15"	6.09'	11.84'	S75°51'37"W
C3	751.61'	18.45'	1°24'22"	9.22'	18.45'	N89°44'35"W



**LEGEND**

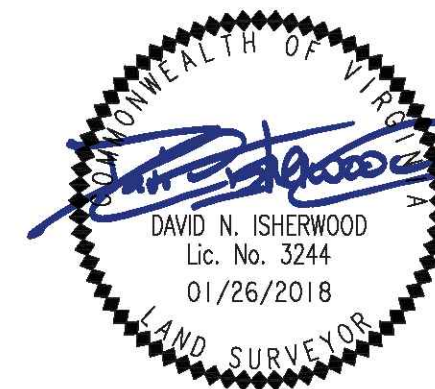
AC..... AIR CONDITIONER	RE..... RECESSED ENTRYWAY
APPROX.LOC..... APPROXIMATE LOCATION	RET..... RETAINING WALL
AW..... AREA WAY	RT..... RADIO TOWER
BL..... BIKE LANE	SC..... STORAGE CONTAINER
CAN..... CANOPY	SD..... STORM SEWER STRUCTURE
CC..... CONCRETE CHANNEL	SH..... SHED
CLF..... CHAINLINK FENCE	SMH..... SANITARY SEWER STRUCTURE
CLV..... CULVERT	SN..... SIGN
CO..... CLEANOUT	SQ.FT..... SQUARE FEET
COL..... COLUMN	SW..... SIDEWALK
CONC..... CONCRETE	TD..... TRENCH DRAIN
CR..... CONCRETE RAMP	TCB..... TRAFFIC CONTROL BOX
CS..... CONCRETE STOOP	TRANS..... ELECTRIC TRANSFORMER
CSTR..... COVERED STAIRWAY	TRLP..... TRAFFIC LIGHT/SIGNAL POLE
DB..... DEED BOOK	UVT..... UTILITY VAULT
DIP..... DUCTILE IRON PIPE	WD..... WOODEN DECK
EM..... ELECTRIC METER	WDF..... WOODEN FENCE
EO..... ELECTRIC OUTLET	WM..... WATER METER
EP..... EDGE OF PAVEMENT	WV..... WATER VALVE
ESMT..... EASEMENT	⊕..... FIRE HYDRANT
F..... FUEL TANK	△..... DOORWAY/ENTRANCE
FC..... HEADER CURB	∅..... UTILITY POLE
FP..... FLAG POLE	—..... OVERHEAD WIRES
FWL..... FIRST FLOOR WALL LINE	—..... GUY WIRE
GM..... GAS METER	☆..... LIGHT POLE
GV..... GAS VALVE	—E..... UNDERGROUND ELECTRIC LINE
HPS..... HAND-PLACED STONE WALK	—X..... FENCE
HVAC..... HEATING AND AIR UNIT	—G..... UNDERGROUND GAS LINE
IPF..... IRON PIN FOUND (PROPERTY CORNER)	—S..... UNDERGROUND SANITARY LINE
JB..... JUNCTION BOX	—SL..... UNDERGROUND SANITARY LATERAL LINE
LSW..... LANDSCAPING WALL	—T..... UNDERGROUND TELECOMMUNICATIONS LINE
MA..... MAST ARM	—W..... UNDERGROUND WATER LINE
N/F..... NOW OR FORMERLY	○..... TREE
OH..... OVERHANG/CANOPY	—..... LIMITS OF TREE CANOPY/VEGETATION
OSP..... ON-STREET PARKING	—..... CURB AND GUTTER
PG..... PAGE	○..... BOLLARD
PVC..... PLASTIC PIPE	⊕..... SIGN
RC..... ROLLED ASPHALT CURB	⊕..... ELECTRIC MANHOLE
	⊕..... TELECOMMUNICATIONS MANHOLE
	⊕..... WATER MANHOLE



VICINITY MAP SCALE: 1"=2000'

**NOTES:**

- THE PROPERTIES SHOWN HEREON APPEAR ON ARLINGTON COUNTY REAL PROPERTY IDENTIFICATION MAP NUMBER 53-2, AS REAL PROPERTY CODE (RPC) NUMBERS 15086001, 15086002, 15086005, 15086006, AND 15086025 AND ARE ZONED C-2.
- THE PROPERTIES ARE NOW IN THE NAME OF:  
 RPC 15086001 - GEORGE L. GRAHAM AND DORIS P. GRAHAM, TRUSTEES - DEED BOOK 3661 PAGE 218  
 RPC 15086002/15086025 - VM CLUB PROPERTIES, LLC - DEED BOOK 4639 PAGE 2014  
 RPC 15086005 - BETTY F. SLYE, TRUSTEE - DEED BOOK 4807 PAGE 1924  
 RPC 15086006 - 3421 WASHINGTON BOULEVARD, LLC - DEED BOOK 3439 PAGE 1093
- THIS PLAT IS BASED ON A BOUNDARY SURVEY PERFORMED BY WALTER L. PHILLIPS, INC. IN JULY, 2016.
- ALL DEDICATIONS AND EASEMENTS BENEFITTING ARLINGTON COUNTY, VIRGINIA REMAIN IN FULL FORCE AND EFFECT UNLESS OTHERWISE SHOWN HEREON.
- THE SITE SHOWN HEREON IS REFERENCED TO THE VIRGINIA COORDINATE SYSTEM OF 1983, [NAD 83(2011) (EPOCH:2010.0000)] AS COMPUTED FROM A FIELD RUN BOUNDARY AND HORIZONTAL CONTROL SURVEY THAT TIES THIS BOUNDARY TO NOAA/NGS MONUMENT P1D NUMBER DH4144; STERLING CORS ARP. THE COMBINED FACTOR APPLIED TO THE FIELD DISTANCES TO DERIVE THE REFERENCED COORDINATES IS 0.99995266. THE FOOT DEFINITION USED FOR CONVERSION OF THE MONUMENT COORDINATES AND IN THE PERFORMANCE OF THIS SURVEY IS THE U.S. SURVEY FOOT.



PLAT SHOWING  
**EXISTING CONDITIONS AND  
 VACATION OF STORM, SANITARY SEWER, WATER EASEMENTS  
 PARCELS ONE AND TWO  
 PROPERTY OF B.F. WILSHIRE  
 DEED BOOK 1286 PAGE 288  
 LOTS 1, 2, 3 AND 4  
 THOMAS H. FAIRBANKS  
 DEED BOOK 403 PAGE 183  
 ARLINGTON COUNTY, VIRGINIA**

**WALTER L. PHILLIPS** INCORPORATED  
 Engineers • Surveyors • Planners  
 Landscape Architects • Arborists  
 207 PARK AVENUE  
 FALLS CHURCH, VIRGINIA 22046  
 (703) 532-6163 Fax (703) 533-1301  
 www.WLPINC.com

SCALE: 1"=25' DATE: JANUARY 26, 2018 SHEET: 1 OF: 2 DWG FILE NAME: 14044X-01

FILE NO.: AJ-19 TAX MAP NO.: 53-2 JOB NO.: 14-044

REFERENCE: 14044CSP-02

**VACATION PLAT (EXISTING CONDITIONS)**

**WALTER L. PHILLIPS** INCORPORATED ESTABLISHED 1945  
 Engineers • Surveyors • Planners  
 Landscape Architects • Arborists  
 207 PARK AVENUE  
 FALLS CHURCH, VIRGINIA 22046  
 (703) 532-6163 Fax (703) 533-1301  
 www.WLPINC.com

**ARLINGTON, VIRGINIA  
 DEPARTMENT OF ENVIRONMENTAL SERVICES  
 WASHINGTON BOULEVARD AT KIRKWOOD**  
 3411, 3415, & 3421 WASHINGTON BLVD  
 & 1122 NORTH KIRKWOOD ROAD  
 ARLINGTON COUNTY, VIRGINIA

SCALE: 1"=25'	DRAWN TPB	CHECKED KSW
SUBMITTED DATE CONCEPT PLAN SUB. 12/14/2017	APPROVED DATE	APPROVED DATE
1ST PRELIM. 4.1 SITE PLAN SUB. 02/21/2018	CHIEF TRANSPORTATION PLANNING BUREAU	CHIEF TRANSPORTATION ENGINEERING BUREAU
2ND PRELIM. 4.1 SITE PLAN SUB. 04/27/2018	APPROVED DATE	APPROVED DATE
APPROVED DATE	CHIEF WATER, SEWER & STREETS BUREAU	CHIEF ENGINEERING BUREAU
		DIRECTOR OF ENVIRONMENTAL SERVICES

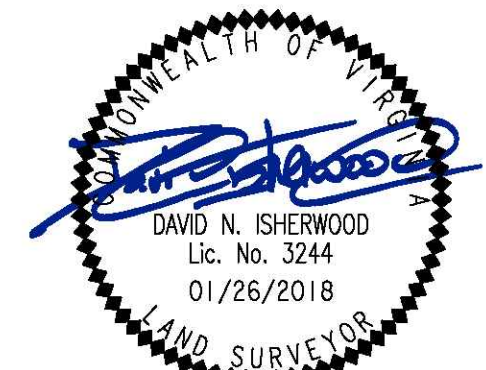
SHEET: **C-0305**



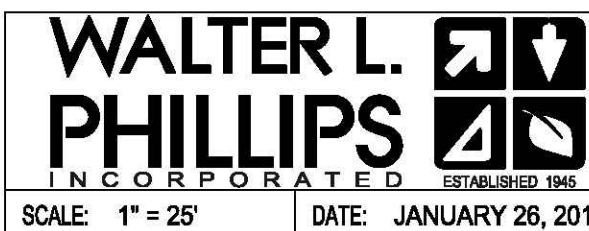


**CURVE TABLE**

CURVE	RADIUS	LENGTH	DELTA	TANGENT	CHORD	CHORD BEARING
C1	20.00'	15.52'	44°27'08"	8.17'	15.13'	S16°20'58"W
C2	25.00'	11.95'	27°23'15"	6.09'	11.84'	S75°51'37"W
C3	751.61'	18.45'	1°24'22"	9.22'	18.45'	N89°44'35"W



PLAT SHOWING  
**EXISTING CONDITIONS AND  
 VACATION OF STORM, SANITARY SEWER, WATER EASEMENTS  
 PARCELS ONE AND TWO  
 PROPERTY OF B.F. WILSHIRE**  
 DEED BOOK 1296 PAGE 298  
**LOTS 1, 2, 3 AND 4**  
**THOMAS H. FAIRBANKS**  
 DEED BOOK 403 PAGE 183  
 ARLINGTON COUNTY, VIRGINIA



Engineers • Surveyors • Planners  
 Landscape Architects • Arborists  
 207 PARK AVENUE  
 FALLS CHURCH, VIRGINIA 22046  
 (703) 532-6183 Fax (703) 533-1301  
 www.WLPINC.com

SCALE: 1" = 25' DATE: JANUARY 26, 2018 SHEET: 2 OF: 2  
 DWG FILE NAME: 14044X-01

FILE NO.: AJ-19 TAX MAP NO.: 53-2 JOB NO.: 14-044

REFERENCE: 14044CSP-02

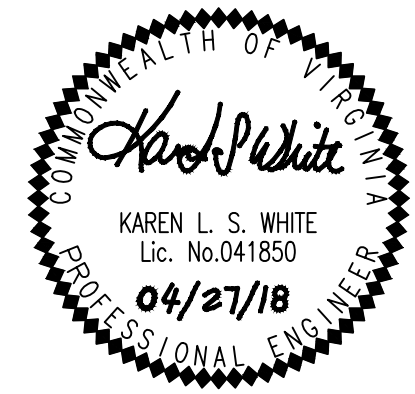
**VACATION PLAT (EXISTING CONDITIONS)**

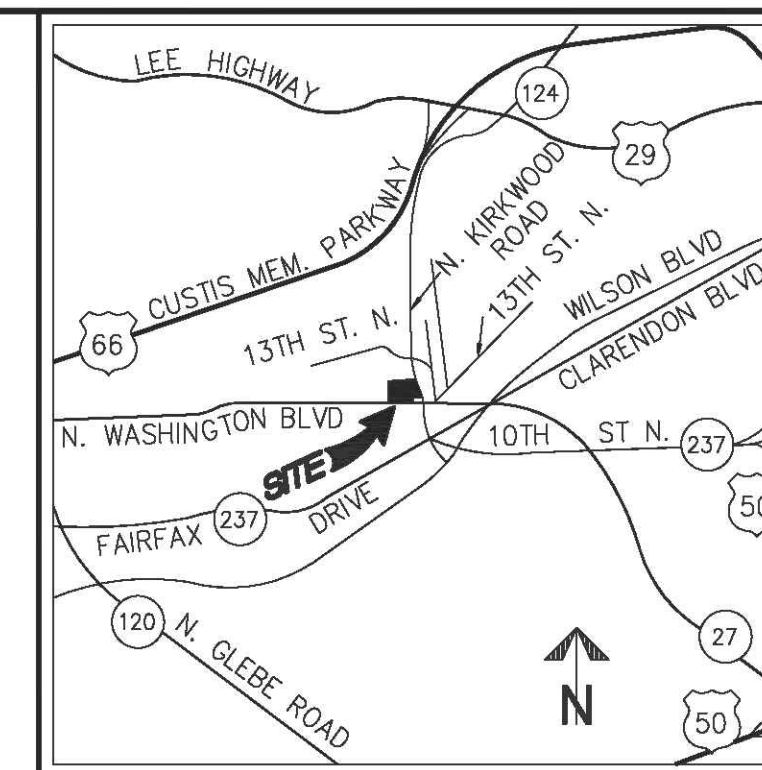
**WALTER L. PHILLIPS** INCORPORATED ESTABLISHED 1945  
 Engineers • Surveyors • Planners  
 Landscape Architects • Arborists  
 207 PARK AVENUE  
 FALLS CHURCH, VIRGINIA 22046  
 (703) 532-6183 Fax (703) 533-1301  
 www.WLPINC.com

**ARLINGTON, VIRGINIA  
 DEPARTMENT OF ENVIRONMENTAL SERVICES  
 WASHINGTON BOULEVARD AT KIRKWOOD**  
 3411, 3415, & 3421 WASHINGTON BLVD  
 & 1122 NORTH KIRKWOOD ROAD  
 ARLINGTON COUNTY, VIRGINIA

SCALE: 1" = 25'	DRAWN: TPB	CHECKED: KSW
SUBMITTED DATE: CONCEPT PLAN SUB. 12/14/2017 1ST PRELIM. 4.1 SITE PLAN SUB. 02/21/2018 2ND PRELIM. 4.1 SITE PLAN SUB. 04/27/2018	APPROVED DATE: CHIEF TRANSPORTATION PLANNING BUREAU APPROVED DATE	APPROVED DATE: CHIEF TRANSPORTATION ENGINEERING BUREAU APPROVED DATE
APPROVED DATE: CHIEF WATER, SEWER & STREETS BUREAU	APPROVED DATE: CHIEF ENGINEERING BUREAU	APPROVED DATE: DIRECTOR OF ENVIRONMENTAL SERVICES

SHEET: **C-0306**

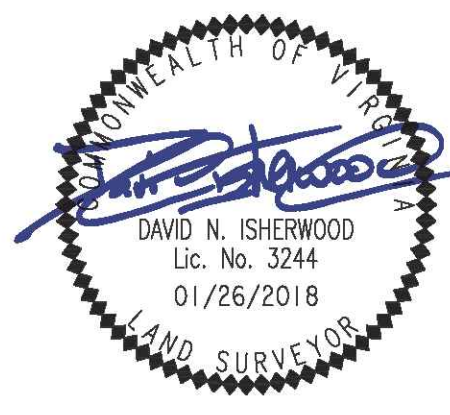




VICINITY MAP SCALE: 1"=2000'

**NOTES:**

1. THE PROPERTIES SHOWN HEREON APPEAR ON ARLINGTON COUNTY REAL PROPERTY IDENTIFICATION MAP NUMBER 53-2, AS REAL PROPERTY CODE (RPC) NUMBERS 15086001, 15086002, 15086005, 15086006, AND 15086025 AND ARE ZONED C-2.
2. THE PROPERTIES ARE NOW IN THE NAME OF:  
 RPC 15086001 - GEORGE L. GRAHAM AND DORIS P. GRAHAM, TRUSTEES - DEED BOOK 3661 PAGE 218  
 RPC 15086002/15086025 - VM CLUB PROPERTIES, LLC - DEED BOOK 4639 PAGE 2014  
 RPC 15086005 - BETTY F. SLYE, TRUSTEE - DEED BOOK 4807 PAGE 1924  
 RPC 15086006 - 3421 WASHINGTON BOULEVARD, LLC - DEED BOOK 3439 PAGE 1093
3. THIS PLAT IS BASED ON A BOUNDARY SURVEY PERFORMED BY WALTER L. PHILLIPS, INC. IN JULY, 2016.
4. ALL DEDICATIONS AND EASEMENTS BENEFITTING ARLINGTON COUNTY, VIRGINIA REMAIN IN FULL FORCE AND EFFECT UNLESS OTHERWISE SHOWN HEREON.
5. THE SITE SHOWN HEREON IS REFERENCED TO THE VIRGINIA COORDINATE SYSTEM OF 1983, [NAD 83(2011) (EPOCH:2010.0000)] AS COMPUTED FROM A FIELD RUN BOUNDARY AND HORIZONTAL CONTROL SURVEY THAT TIES THIS BOUNDARY TO NOAA/NGS MONUMENT P1D NUMBER DH4144; STERLING CORS ARP. THE COMBINED FACTOR APPLIED TO THE FIELD DISTANCES TO DERIVE THE REFERENCED COORDINATES IS 0.99995266. THE FOOT DEFINITION USED FOR CONVERSION OF THE MONUMENT COORDINATES AND IN THE PERFORMANCE OF THIS SURVEY IS THE U.S. SURVEY FOOT.



PLAT SHOWING  
**EXISTING CONDITIONS AND  
 VACATION OF STORM AND SANITARY SEWER EASEMENTS  
 PARCELS ONE AND TWO  
 PROPERTY OF B.F. WILSHIRE  
 DEED BOOK 1286 PAGE 298  
 LOTS 1, 2, 3 AND 4  
 THOMAS H. FAIRBANKS  
 DEED BOOK 403 PAGE 183  
 ARLINGTON COUNTY, VIRGINIA**

**WALTER L. PHILLIPS** INCORPORATED  
 Engineers • Surveyors • Planners  
 Landscape Architects • Arborists  
 207 PARK AVENUE  
 FALLS CHURCH, VIRGINIA 22046  
 (703) 532-6163 Fax (703) 533-1301  
 www.WLPINC.com

SCALE: 1"=25' DATE: JANUARY 26, 2018 SHEET: 1 OF: 2 DWG FILE NAME: 14044X-02

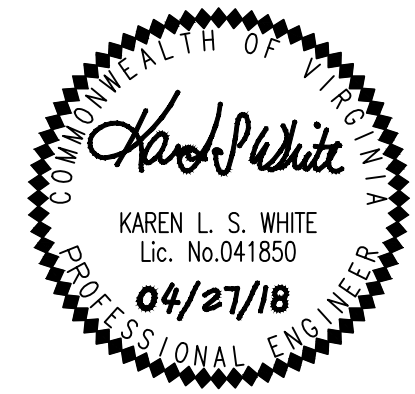
FILE NO.: AJ-19 TAX MAP NO.: 53-2 JOB NO.: 14-044 REFERENCE: 14044\DWG\PLANNING\4.1 SP14044B-001

**VACATION PLAT (PROPOSED CONDITIONS)**

**WALTER L. PHILLIPS** INCORPORATED ESTABLISHED 1945  
 Engineers • Surveyors • Planners  
 Landscape Architects • Arborists  
 207 PARK AVENUE  
 FALLS CHURCH, VIRGINIA 22046  
 (703) 532-6163 Fax (703) 533-1301  
 www.WLPINC.com

**ARLINGTON, VIRGINIA  
 DEPARTMENT OF ENVIRONMENTAL SERVICES  
 WASHINGTON BOULEVARD AT KIRKWOOD**  
 3411, 3415, & 3421 WASHINGTON BLVD  
 & 1122 NORTH KIRKWOOD ROAD  
 ARLINGTON COUNTY, VIRGINIA

SCALE: 1" = 25'	DRAWN TPB	CHECKED KSW
SUBMITTED DATE CONCEPT PLAN SUB. 12/14/2017	APPROVED DATE	APPROVED DATE
1ST PRELIM. 4.1 SITE PLAN SUB. 02/21/2018	CHIEF TRANSPORTATION PLANNING BUREAU	CHIEF TRANSPORTATION ENGINEERING BUREAU
2ND PRELIM. 4.1 SITE PLAN SUB. 04/27/2018	APPROVED DATE	APPROVED DATE
APPROVED DATE	CHIEF WATER, SEWER & STREETS BUREAU	DIRECTOR OF ENVIRONMENTAL SERVICES

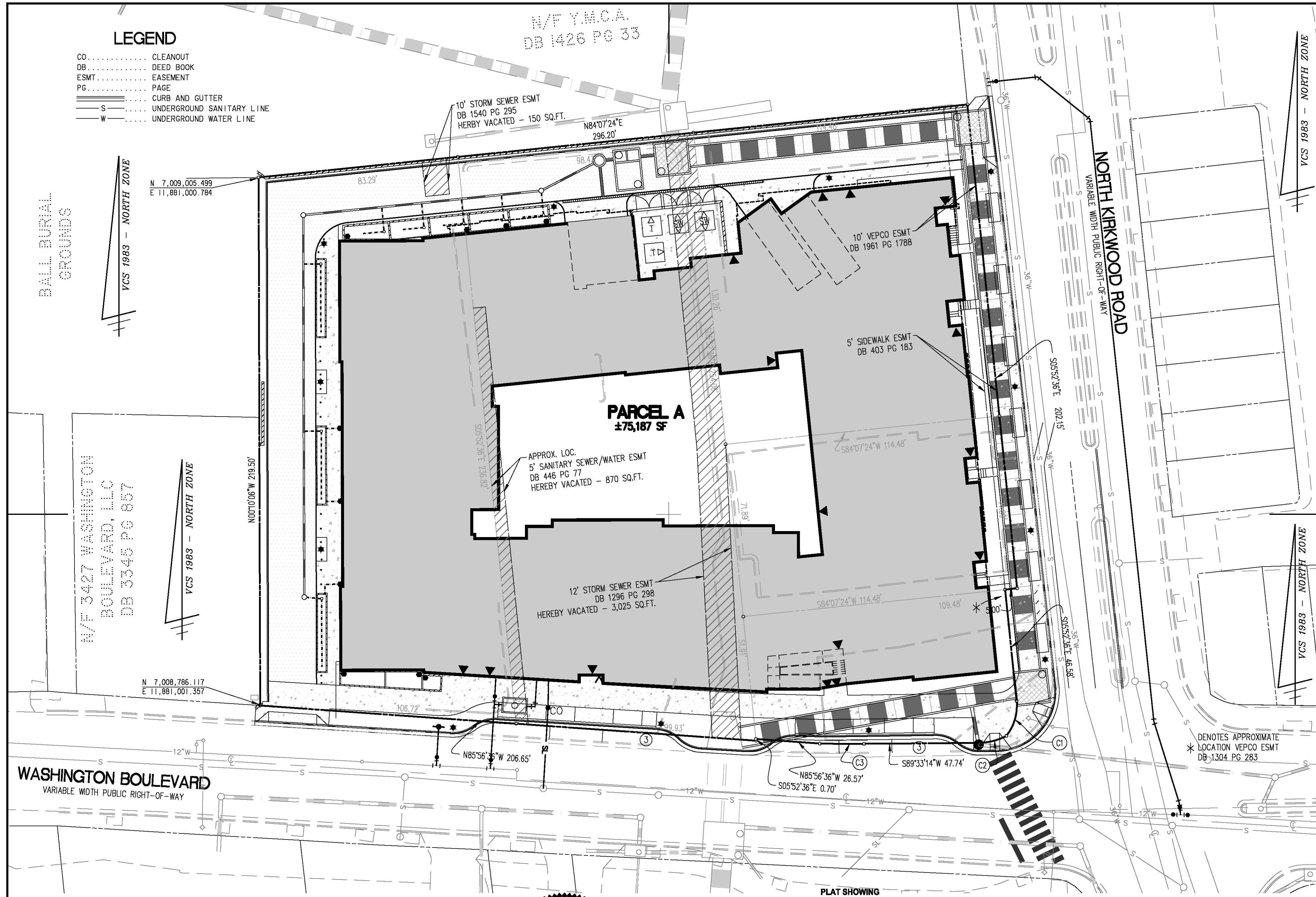


SHEET: **C-0307**



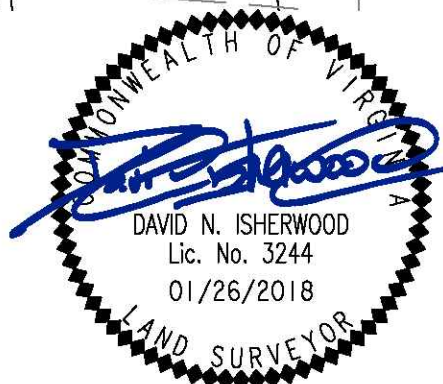
**LEGEND**

- CO ..... CLEANOUT
- DB ..... DEED BOOK
- ESMT ..... EASEMENT
- PG ..... PAGE
- ..... CURB AND GUTTER
- S ..... UNDERGROUND SANITARY LINE
- W ..... UNDERGROUND WATER LINE



**CURVE TABLE**

CURVE	RADIUS	LENGTH	DELTA	TANGENT	CHORD	CHORD BEARING
C1	20.00'	15.52'	44°27'08"	8.17'	15.13'	S18°20'58"W
C2	25.00'	11.95'	27°23'15"	6.09'	11.84'	S75°51'37"W
C3	751.61'	18.45'	1°24'22"	9.22'	18.45'	N89°44'35"W



PLAT SHOWING  
**EXISTING CONDITIONS AND  
 VACATION OF STORM AND SANITARY SEWER EASEMENTS  
 PARCELS ONE AND TWO  
 PROPERTY OF B.F. WILSHIRE**  
 DEED BOOK 1296 PAGE 298  
**LOTS 1, 2, 3 AND 4**  
**THOMAS H. FAIRBANKS**  
 DEED BOOK 403 PAGE 183  
 ARLINGTON COUNTY, VIRGINIA

**WALTER L. PHILLIPS**  
 INCORPORATED  
 Engineers • Surveyors • Planners  
 Landscape Architects • Arborists  
 207 PARK AVENUE  
 FALLS CHURCH, VIRGINIA 22046  
 (703) 532-6163 Fax (703) 533-1301  
 www.WLPINC.com

SCALE: 1" = 25' DATE: JANUARY 26, 2018 SHEET: 2 OF: 2 DWG FILE NAME: 14044X-02

FILE NO.: AJ-19 TAX MAP NO.: 53-2 JOB NO.: 14-044

REFERENCE: 14044IDWG\PLANNING\4.1 SP14044C-0304-001

**VACATION PLAT (PROPOSED CONDITIONS)**

**WALTER L. PHILLIPS** INCORPORATED ESTABLISHED 1945  
 Engineers • Surveyors • Planners  
 Landscape Architects • Arborists  
 207 PARK AVENUE  
 FALLS CHURCH, VIRGINIA 22046  
 (703) 532-6163 Fax (703) 533-1301  
 www.WLPINC.com

**ARLINGTON, VIRGINIA  
 DEPARTMENT OF ENVIRONMENTAL SERVICES  
 WASHINGTON BOULEVARD AT KIRKWOOD**  
 3411, 3415, & 3421 WASHINGTON BLVD  
 & 1122 NORTH KIRKWOOD ROAD  
 ARLINGTON COUNTY, VIRGINIA

SCALE: 1" = 25'	DRAWN TPB	CHECKED KSW
SUBMITTED DATE CONCEPT PLAN SUB. 12/14/2017	APPROVED DATE	APPROVED DATE
1ST PRELIM. 4.1 SITE PLAN SUB. 02/21/2018	CHIEF TRANSPORTATION PLANNING BUREAU	CHIEF TRANSPORTATION ENGINEERING BUREAU
2ND PRELIM. 4.1 SITE PLAN SUB. 04/27/2018	APPROVED DATE	APPROVED DATE
CHIEF WATER, SEWER & STREETS BUREAU	CHIEF ENGINEERING BUREAU	DIRECTOR OF ENVIRONMENTAL SERVICES



SHEET: C-0308



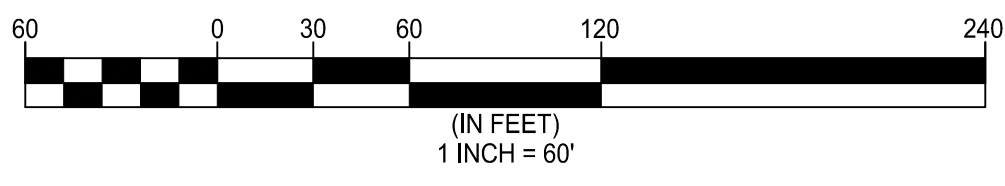
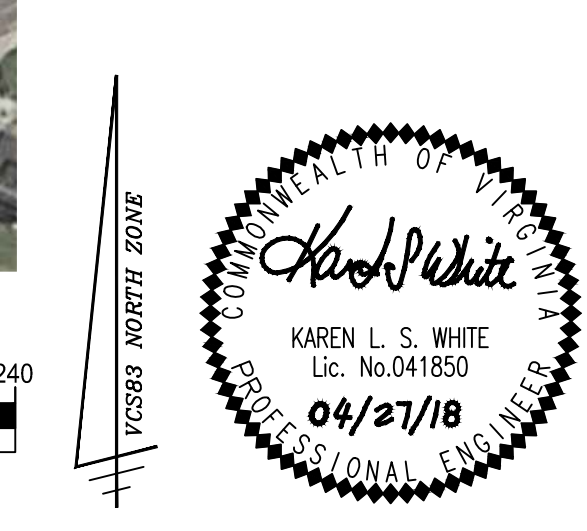
**AERIAL EXHIBIT**

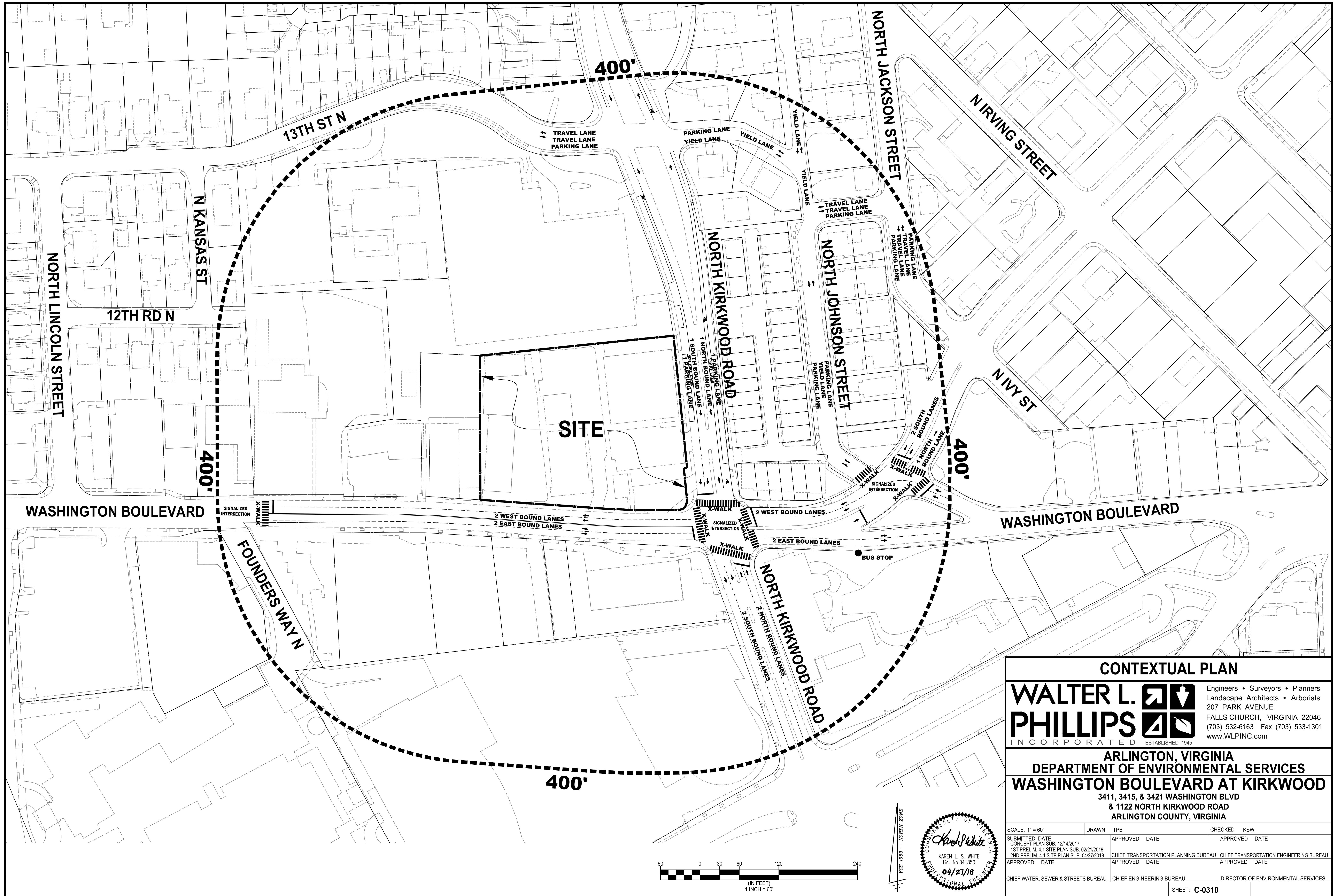
**WALTER L. PHILLIPS** INCORPORATED ESTABLISHED 1945

Engineers • Surveyors • Planners  
Landscape Architects • Arborists  
207 PARK AVENUE  
FALLS CHURCH, VIRGINIA 22046  
(703) 532-6163 Fax (703) 533-1301  
www.WLPINC.com

**ARLINGTON, VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL SERVICES**  
**WASHINGTON BOULEVARD AT KIRKWOOD**  
3411, 3415, & 3421 WASHINGTON BLVD  
& 1122 NORTH KIRKWOOD ROAD  
ARLINGTON COUNTY, VIRGINIA

SCALE: 1" = 60'	DRAWN TPB	CHECKED KSW
SUBMITTED DATE CONCEPT PLAN SUB. 12/14/2017	APPROVED DATE	APPROVED DATE
1ST PRELIM. 4.1 SITE PLAN SUB. 02/21/2018	CHIEF TRANSPORTATION PLANNING BUREAU	CHIEF TRANSPORTATION ENGINEERING BUREAU
2ND PRELIM. 4.1 SITE PLAN SUB. 04/27/2018	APPROVED DATE	APPROVED DATE
APPROVED DATE	CHIEF WATER, SEWER & STREETS BUREAU	CHIEF ENGINEERING BUREAU
		DIRECTOR OF ENVIRONMENTAL SERVICES





**CONTEXTUAL PLAN**

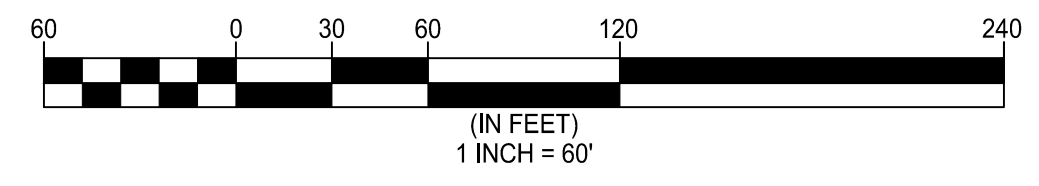
**WALTER L. PHILLIPS** INCORPORATED ESTABLISHED 1945

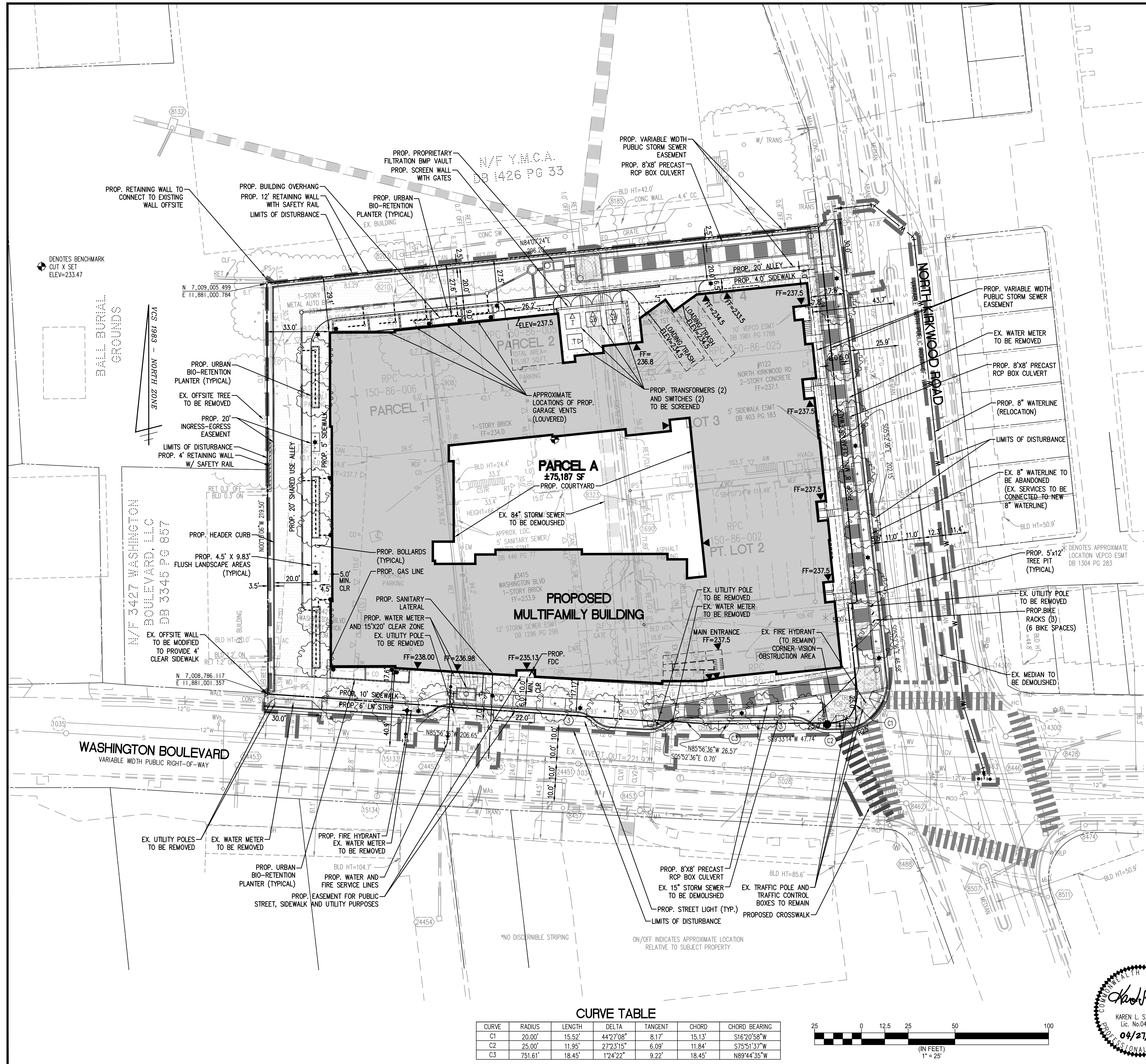
Engineers • Surveyors • Planners  
Landscape Architects • Arborists  
207 PARK AVENUE  
FALLS CHURCH, VIRGINIA 22046  
(703) 532-6163 Fax (703) 533-1301  
www.WLPINC.com

**ARLINGTON, VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL SERVICES  
WASHINGTON BOULEVARD AT KIRKWOOD**  
3411, 3415, & 3421 WASHINGTON BLVD  
& 1122 NORTH KIRKWOOD ROAD  
ARLINGTON COUNTY, VIRGINIA

SCALE: 1" = 60'	DRAWN TPB	CHECKED KSW
SUBMITTED DATE CONCEPT PLAN SUB. 12/14/2017	APPROVED DATE	APPROVED DATE
1ST PRELIM. 4.1 SITE PLAN SUB. 02/21/2018	CHIEF TRANSPORTATION PLANNING BUREAU	CHIEF TRANSPORTATION ENGINEERING BUREAU
2ND PRELIM. 4.1 SITE PLAN SUB. 04/27/2018	APPROVED DATE	APPROVED DATE
APPROVED DATE	CHIEF WATER, SEWER & STREETS BUREAU	CHIEF ENGINEERING BUREAU
		DIRECTOR OF ENVIRONMENTAL SERVICES

SHEET: **C-0310**



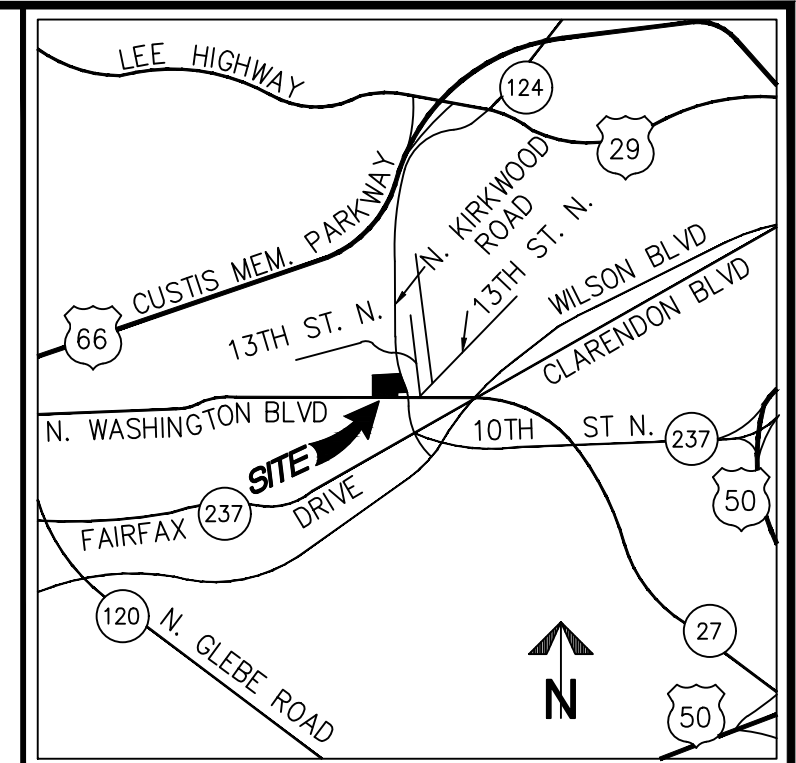


**NOTES:**

- SEE SHEET C-0303 FOR THE PRELIMINARY SUBDIVISION PLAT.
- THERE ARE NO HISTORIC DISTRICTS AND/OR STRUCTURES ON THE SITE. THE BALL FAMILY BURIAL GROUNDS ADJACENT TO THE SITE IS DESIGNATED AS HISTORIC.
- THERE ARE NO RESOURCE PROTECTION AREAS ON SITE PER ARLINGTON COUNTY RECORD INFORMATION.
- SEE SHEET C-0405 FOR PROPOSED SURFACE PARKING TABULATIONS.
- PROPOSED WATER METER TO BE INSTALLED BY THE DEVELOPER.

**LOT COVERAGE**

SITE AREA: 75,187 SF  
 BUILDING AREA: 50,420 SF  
 VEHICULAR AREA: 10,590 SF  
 TOTAL: 61,010 SF  
 (61,010/75,187) 81.1%  
 AVERAGE SITE ELEVATION: 235.64 FT



**EXISTING AREA TABULATIONS**

EXISTING LOT AREAS			EXISTING AREAS		EXISTING ZONE
PARCEL (RPC)	LOT	OWNER	SQ. FT.	ACRES	
150-86-001	LOT 1, PART LOT 2	GEORGE L. GRAHAM AND DORIS P. GRAHAM, TRUSTEES	6343	0.1456	C-2
150-86-002	PART LOT 2	VM CLUB PROPERTIES, LLC	8230	0.1889	C-2
150-86-005	PARCEL 2	BETTY F. SLYE, TRUSTEE	24159	0.5546	C-2
150-86-006	PARCEL 1	3421 WASHINGTON BOULEVARD, LLC	21543	0.4946	C-2
150-86-025	LOTS 3, 4	VM CLUB PROPERTIES, LLC	14912	0.3423	C-2
<b>TOTAL</b>			<b>75187</b>	<b>1.7261</b>	

**PROPOSED AREA TABULATIONS**

PROPOSED LOT AREAS		
PARCEL/LOT	PROPOSED AREAS	PROPOSED ZONE
PARCEL A	75187	C-O-2.5
<b>TOTAL</b>	<b>75187</b>	<b>1.7261</b>

**LEGEND**

PROPOSED	DESCRIPTION	EXISTING	PROPOSED	DESCRIPTION	EXISTING
[Symbol]	CURB & GUTTER	[Symbol]	[Symbol]	HANDICAP RAMP (CG-12)	[Symbol]
[Symbol]	TRANSITION FROM CG-6 TO CG-6R	[Symbol]	[Symbol]	GUARDRAIL	[Symbol]
[Symbol]	SANITARY SEWER	[Symbol]	[Symbol]	FENCE	[Symbol]
[Symbol]	SANITARY LATERAL	[Symbol]	[Symbol]	TRAFFIC FLOW	[Symbol]
[Symbol]	CLEAN OUT	[Symbol]	[Symbol]	LIGHT	[Symbol]
[Symbol]	STORM SEWER	[Symbol]	[Symbol]	DOOR	[Symbol]
[Symbol]	WATER MAIN	[Symbol]	[Symbol]	TREES	[Symbol]
[Symbol]	FIRE HYDRANT	[Symbol]	[Symbol]	CONTOURS	[Symbol]
[Symbol]	PLUG	[Symbol]	[Symbol]	SPOT ELEVATION	[Symbol]
[Symbol]	OVERHEAD WIRES	[Symbol]	[Symbol]	DRAINAGE FLOW DIRECTION	[Symbol]
[Symbol]	UTILITY POLE	[Symbol]	[Symbol]	TOP OF CURB	[Symbol]
[Symbol]	UNDERGROUND ELECTRIC	[Symbol]	[Symbol]	BOTTOM OF CURB	[Symbol]
[Symbol]	TELEPHONE	[Symbol]	[Symbol]	TOP OF WALL	[Symbol]
[Symbol]	GAS MAIN	[Symbol]	[Symbol]	BOTTOM OF WALL	[Symbol]
[Symbol]	ELECTRICAL	[Symbol]	[Symbol]	HIGH POINT	[Symbol]
[Symbol]	TRANSFORMER	[Symbol]	[Symbol]	TEST PIT	[Symbol]
[Symbol]		[Symbol]	[Symbol]	LIMITS OF CLEARING AND GRADING	[Symbol]

**PLOT AND LOCATION PLAN**

**WALTER L. PHILLIPS INCORPORATED** ESTABLISHED 1945

Engineers • Surveyors • Planners  
 Landscape Architects • Arborists  
 207 PARK AVENUE  
 FALLS CHURCH, VIRGINIA 22046  
 (703) 532-6163 Fax (703) 533-1301  
 www.WLPINC.com

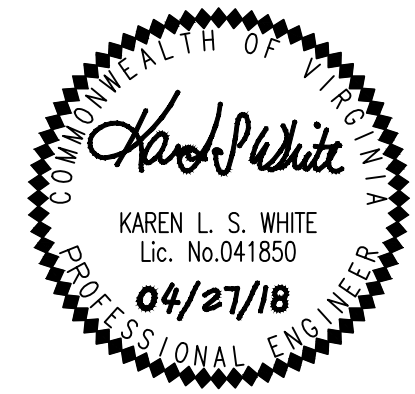
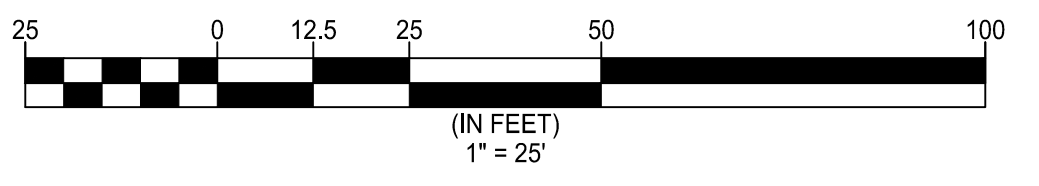
**ARLINGTON, VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL SERVICES**  
**WASHINGTON BOULEVARD AT KIRKWOOD**  
 3411, 3415, & 3421 WASHINGTON BLVD  
 & 1122 NORTH KIRKWOOD ROAD  
 ARLINGTON COUNTY, VIRGINIA

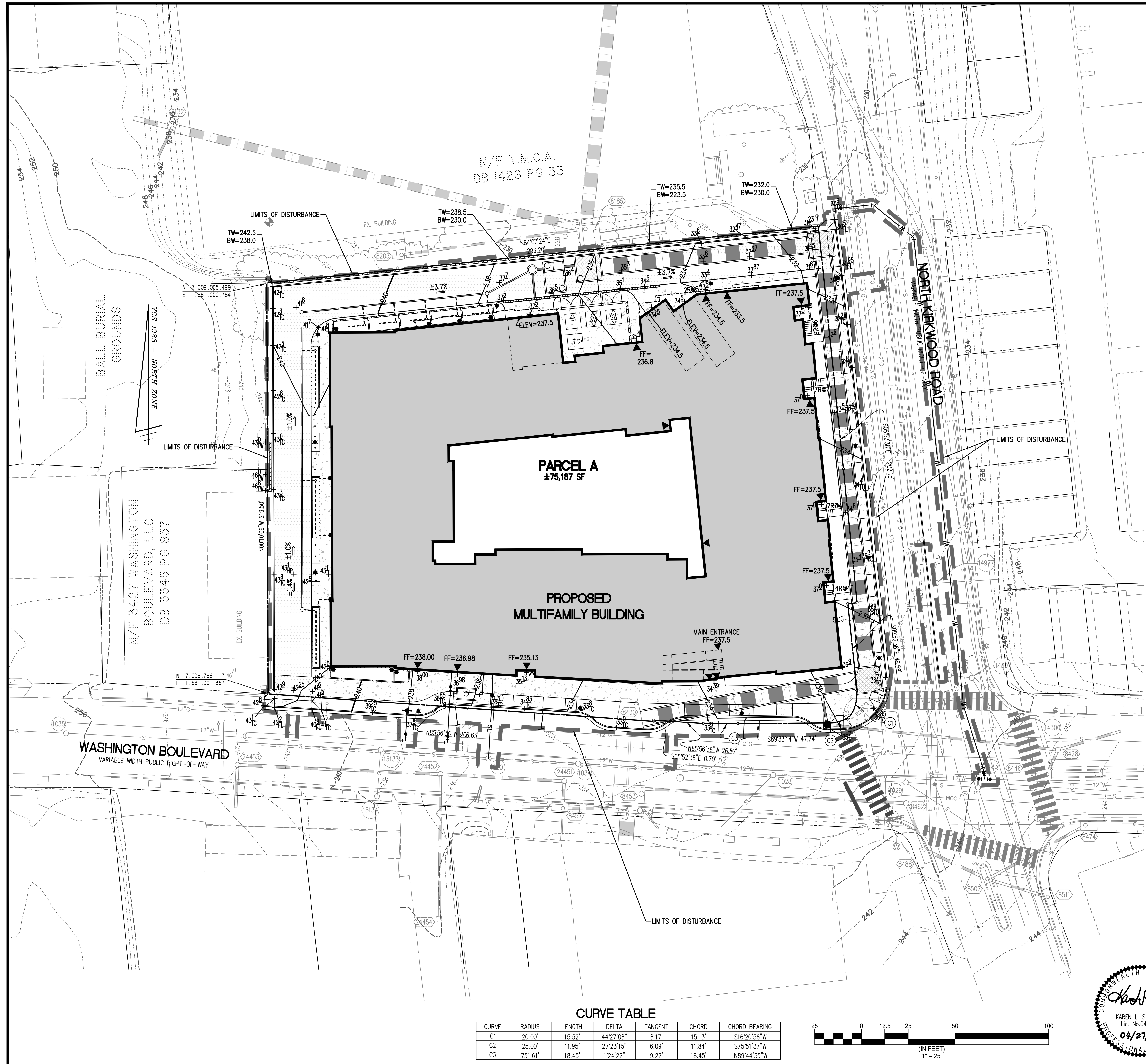
SCALE: 1" = 25'	DRAWN: TPB	CHECKED: KSW
SUBMITTED DATE: CONCEPT PLAN SUB. 12/14/2017	APPROVED DATE:	APPROVED DATE:
1ST PRELIM. 4.1 SITE PLAN SUB. 02/21/2018	CHIEF TRANSPORTATION PLANNING BUREAU	CHIEF TRANSPORTATION ENGINEERING BUREAU
2ND PRELIM. 4.1 SITE PLAN SUB. 04/27/2018	APPROVED DATE:	APPROVED DATE:
APPROVED DATE:	CHIEF WATER, SEWER & STREETS BUREAU	CHIEF ENGINEERING BUREAU
		DIRECTOR OF ENVIRONMENTAL SERVICES

SHEET: **C-0401**

**CURVE TABLE**

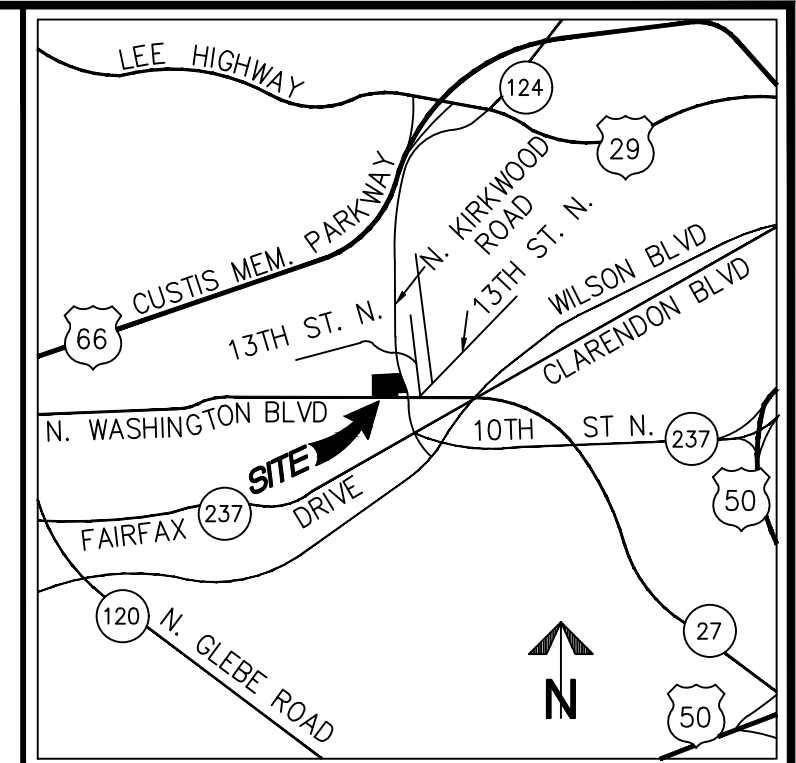
CURVE	RADIUS	LENGTH	DELTA	TANGENT	CHORD	CHORD BEARING
C1	20.00'	15.52'	44°27'08"	8.17'	15.13'	S16°20'58"W
C2	25.00'	11.95'	27°23'15"	6.09'	11.84'	S75°51'37"W
C3	751.61'	18.45'	1°24'22"	9.22'	18.45'	N89°44'35"W





**NOTES:**

1. THERE ARE NO HISTORIC DISTRICTS AND/OR STRUCTURES ON THE SITE. THE BALL FAMILY BURIAL GROUNDS ADJACENT TO THE SITE IS DESIGNATED AS HISTORIC.
2. THERE ARE NO RESOURCE PROTECTION AREAS ON SITE PER ARLINGTON COUNTY RECORD INFORMATION.
3. GRADES DEPICTED ON THIS PLAN ARE PRELIMINARY AND SUBJECT TO ADJUSTMENT AT FINAL ENGINEERING.
4. AVERAGE SITE ELEVATION: 235.64 FT



VICINITY MAP SCALE: 1"=2000'

**PARCEL A**  
±75,187 SF

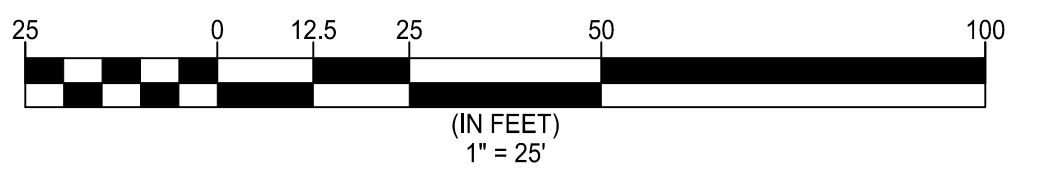
**PROPOSED**  
**MULTIFAMILY BUILDING**

**MAIN ENTRANCE**  
FF=237.5

PROPOSED		DESCRIPTION	EXISTING	PROPOSED		DESCRIPTION	EXISTING
	CG-2	CURB & CUTTER			CG-12	HANDICAP RAMP (CG-12)	
	CC-6R CC-6	TRANSITION FROM CC-6 TO CC-6R			CG-6 CG-6R	GUARDRAIL FENCE	
	S	SANITARY SEWER				TRAFFIC FLOW	
	SL	SANITARY LATERAL				LIGHT	
	C.O.	CLEAN OUT				DOOR	
	SS	STORM SEWER				TREES	
	W	WATER MAIN			260 264	CONTOURS	
	FH	FIRE HYDRANT			+264.50	SPOT ELEVATION	
	P	PLUG				DRAINAGE FLOW DIRECTION	
	OW	OVERHEAD WIRES			TC	TOP OF CURB	
	UP	UTILITY POLE			BC	BOTTOM OF CURB	
	UE	UNDERGROUND ELECTRIC			TW	TOP OF WALL	
	T	TELEPHONE			BW	BOTTOM OF WALL	
	G	GAS MAIN			HP	HIGH POINT	
	E	ELECTRICAL TRANSFORMER			TP	TEST PIT	
		LIMITS OF CLEARING AND GRADING					

**CURVE TABLE**

CURVE	RADIUS	LENGTH	DELTA	TANGENT	CHORD	CHORD BEARING
C1	20.00'	15.52'	44°27'08"	8.17'	15.13'	S16°20'58"W
C2	25.00'	11.95'	27°23'15"	6.09'	11.84'	S75°51'37"W
C3	751.61'	18.45'	1°24'22"	9.22'	18.45'	N89°44'35"W



**GRADING PLAN**

**WALTER L. PHILLIPS** INCORPORATED ESTABLISHED 1945

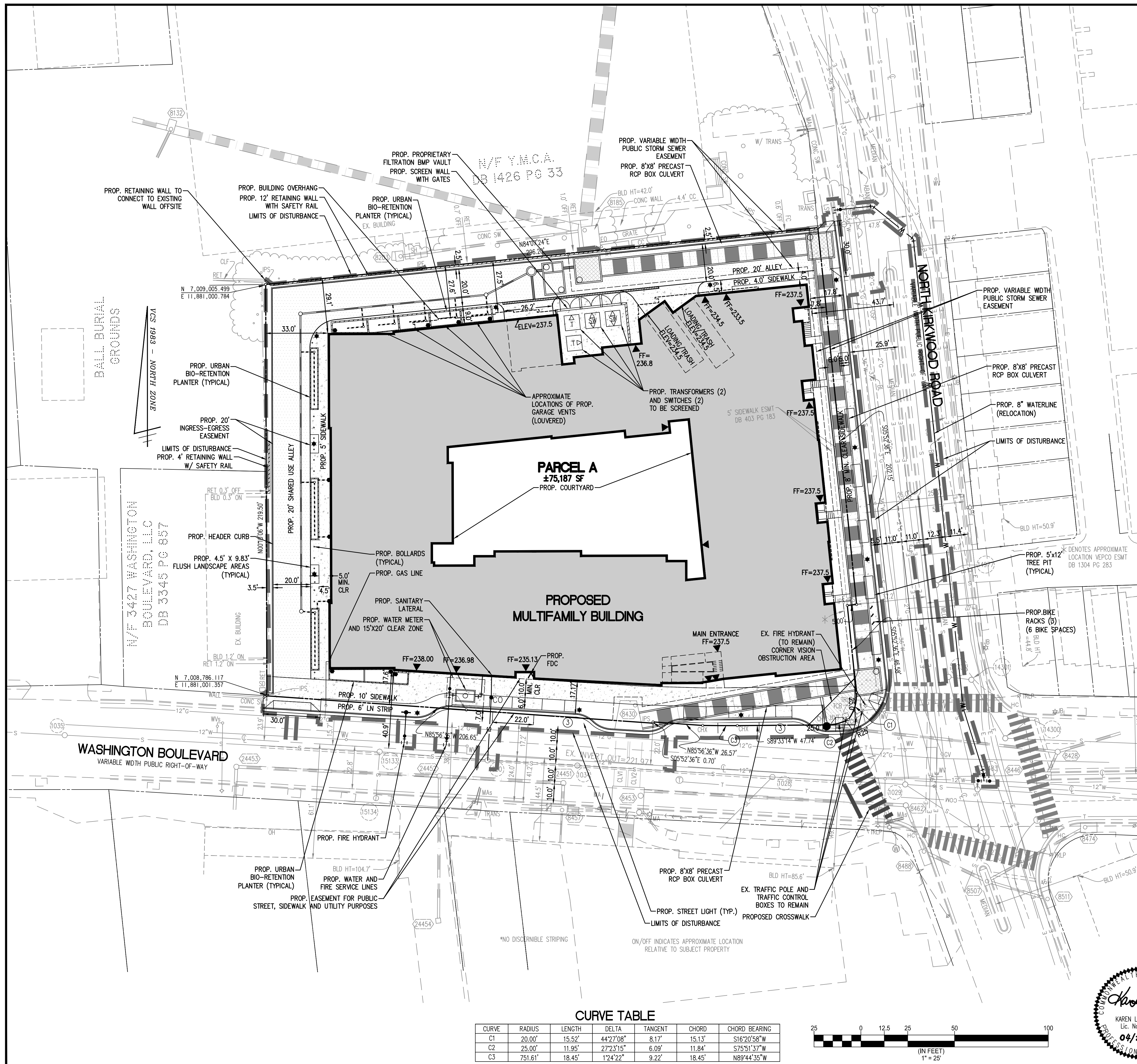
Engineers • Surveyors • Planners  
Landscape Architects • Arborists  
207 PARK AVENUE  
FALLS CHURCH, VIRGINIA 22046  
(703) 532-6163 Fax (703) 533-1301  
www.WLPINC.com

**ARLINGTON, VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL SERVICES**  
**WASHINGTON BOULEVARD AT KIRKWOOD**  
3411, 3415, & 3421 WASHINGTON BLVD  
& 1122 NORTH KIRKWOOD ROAD  
ARLINGTON COUNTY, VIRGINIA

SCALE: 1" = 25'    DRAWN: TPB    CHECKED: KSW

SUBMITTED DATE CONCEPT PLAN SUB. 12/14/2017	APPROVED DATE	APPROVED DATE
1ST PRELIM. 4.1 SITE PLAN SUB. 02/21/2018	CHIEF TRANSPORTATION PLANNING BUREAU	CHIEF TRANSPORTATION ENGINEERING BUREAU
2ND PRELIM. 4.1 SITE PLAN SUB. 04/27/2018	APPROVED DATE	APPROVED DATE
APPROVED DATE	CHIEF WATER, SEWER & STREETS BUREAU	CHIEF ENGINEERING BUREAU
		DIRECTOR OF ENVIRONMENTAL SERVICES

SHEET: **C-0402**



**NOTES:**

- SEE SHEET C-0303 FOR THE PRELIMINARY SUBDIVISION PLAT.
- THERE ARE NO HISTORIC DISTRICTS AND/OR STRUCTURES ON THE SITE. THE BALL FAMILY BURIAL GROUNDS ADJACENT TO THE SITE IS DESIGNATED AS HISTORIC.
- THERE ARE NO RESOURCE PROTECTION AREAS ON SITE PER ARLINGTON COUNTY RECORD INFORMATION.
- SEE SHEET C-0405 FOR PROPOSED SURFACE PARKING TABULATIONS.
- PROPOSED WATER METER TO BE INSTALLED BY THE DEVELOPER.

**LOT COVERAGE**

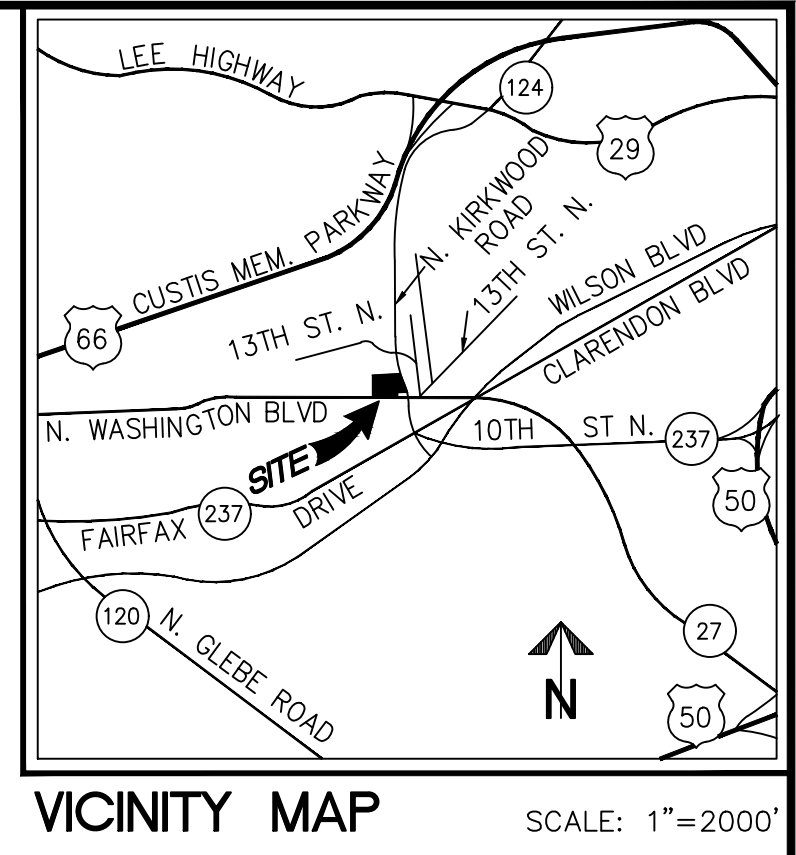
SITE AREA:	75,187 SF
BUILDING AREA:	50,420 SF
VEHICULAR AREA:	10,590 SF
TOTAL:	61,010 SF
(61,010/75,187)	81.1%
AVERAGE SITE ELEVATION:	235.64 FT

**EXISTING AREA TABULATIONS**

EXISTING LOT AREAS			EXISTING AREAS		EXISTING ZONE
PARCEL (RPC)	LOT	OWNER	SQ. FT.	ACRES	
150-86-001	LOT 1, PART LOT 2	GEORGE L. GRAHAM AND DORIS P. GRAHAM, TRUSTEES	6343	0.1456	C-2
150-86-002	PART LOT 2	VM CLUB PROPERTIES, LLC	8230	0.1889	C-2
150-86-005	PARCEL 2	BETTY F. SLYE, TRUSTEE	24159	0.5546	C-2
150-86-006	PARCEL 1	3421 WASHINGTON BOULEVARD, LLC	15543	0.4946	C-2
150-86-025	LOTS 3, 4	VM CLUB PROPERTIES, LLC	14912	0.3423	C-2
<b>TOTAL</b>			<b>75187</b>	<b>1.7261</b>	

**PROPOSED AREA TABULATIONS**

PROPOSED LOT AREAS		
PARCEL/LOT	PROPOSED AREAS	PROPOSED ZONE
PARCEL A	75187	1.7261 C-O-2.5
<b>TOTAL</b>	<b>75187</b>	<b>1.7261</b>

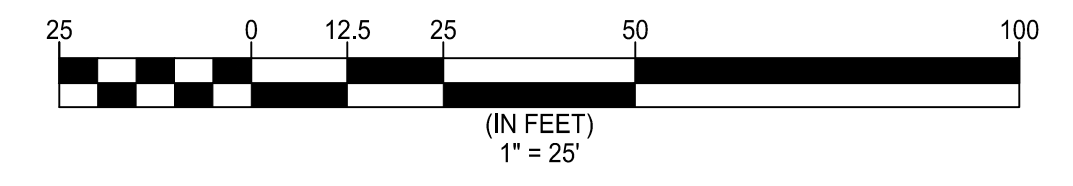


**LEGEND**

PROPOSED	DESCRIPTION	EXISTING	PROPOSED	DESCRIPTION	EXISTING
[Symbol]	CURB & GUTTER	[Symbol]	[Symbol]	HANDICAP RAMP (CG-12)	[Symbol]
[Symbol]	TRANSITION FROM CG-6 TO CG-6R	[Symbol]	[Symbol]	GUARDRAIL	[Symbol]
[Symbol]	SANITARY SEWER	[Symbol]	[Symbol]	FENCE	[Symbol]
[Symbol]	SANITARY LATERAL	[Symbol]	[Symbol]	TRAFFIC FLOW	[Symbol]
[Symbol]	CLEAN OUT	[Symbol]	[Symbol]	LIGHT	[Symbol]
[Symbol]	STORM SEWER	[Symbol]	[Symbol]	DOOR	[Symbol]
[Symbol]	WATER MAIN	[Symbol]	[Symbol]	TREES	[Symbol]
[Symbol]	FIRE HYDRANT	[Symbol]	[Symbol]	CONTOURS	[Symbol]
[Symbol]	PLUG	[Symbol]	[Symbol]	SPOT ELEVATION	[Symbol]
[Symbol]	OVERHEAD WIRES	[Symbol]	[Symbol]	DRAINAGE FLOW DIRECTION	[Symbol]
[Symbol]	UTILITY POLE	[Symbol]	[Symbol]	TOP OF CURB	[Symbol]
[Symbol]	UNDERGROUND ELECTRIC	[Symbol]	[Symbol]	BOTTOM OF CURB	[Symbol]
[Symbol]	TELEPHONE	[Symbol]	[Symbol]	TOP OF WALL	[Symbol]
[Symbol]	GAS MAIN	[Symbol]	[Symbol]	BOTTOM OF WALL	[Symbol]
[Symbol]	ELECTRICAL	[Symbol]	[Symbol]	HIGH POINT	[Symbol]
[Symbol]	TRANSFORMER	[Symbol]	[Symbol]	TEST PIT	[Symbol]
[Symbol]		[Symbol]	[Symbol]	LIMITS OF CLEARING AND GRADING	[Symbol]

**CURVE TABLE**

CURVE	RADIUS	LENGTH	DELTA	TANGENT	CHORD	CHORD BEARING
C1	20.00'	15.52'	44°27'08"	8.17'	15.13'	S16°20'58"W
C2	25.00'	11.95'	27°23'15"	6.09'	11.84'	S75°51'37"W
C3	751.61'	18.45'	1°24'22"	9.22'	18.45'	N89°44'35"W



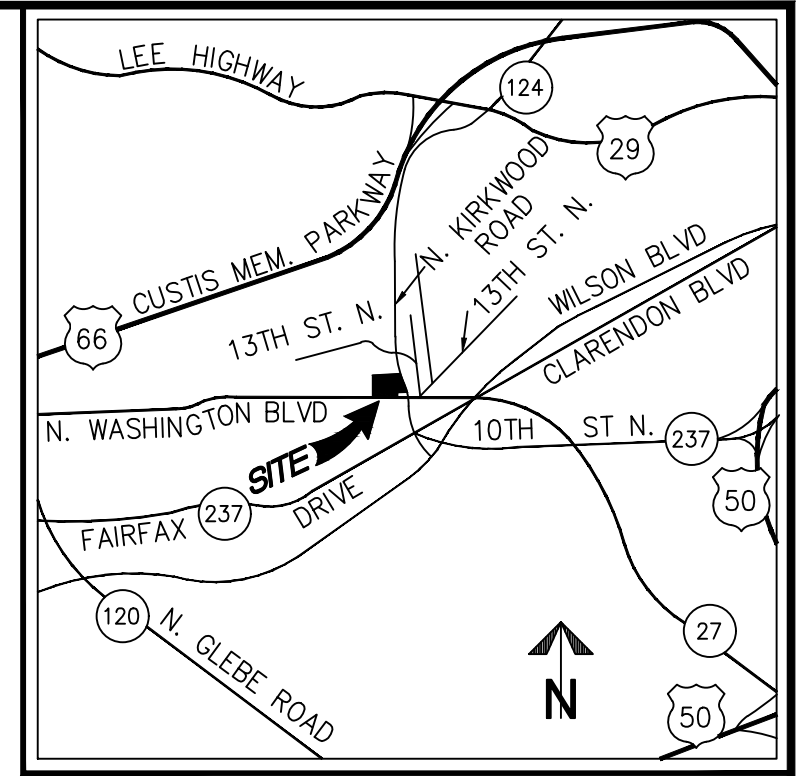
**PRESENTATION PLAN**

**WALTER L. PHILLIPS** INCORPORATED ESTABLISHED 1945

Engineers • Surveyors • Planners  
Landscape Architects • Arborists  
207 PARK AVENUE  
FALLS CHURCH, VIRGINIA 22046  
(703) 532-6163 Fax (703) 533-1301  
www.WLPINC.com

**ARLINGTON, VIRGINIA**  
DEPARTMENT OF ENVIRONMENTAL SERVICES  
**WASHINGTON BOULEVARD AT KIRKWOOD**  
3411, 3415, & 3421 WASHINGTON BLVD  
& 1122 NORTH KIRKWOOD ROAD  
ARLINGTON COUNTY, VIRGINIA

SCALE: 1" = 25'	DRAWN: TPB	CHECKED: KSW
SUBMITTED DATE: CONCEPT PLAN SUB. 12/14/2017	APPROVED DATE:	APPROVED DATE:
1ST PRELIM. 4.1 SITE PLAN SUB. 02/21/2018	CHIEF TRANSPORTATION PLANNING BUREAU	CHIEF TRANSPORTATION ENGINEERING BUREAU
2ND PRELIM. 4.1 SITE PLAN SUB. 04/27/2018	APPROVED DATE:	APPROVED DATE:
APPROVED DATE:	CHIEF WATER, SEWER & STREETS BUREAU	CHIEF ENGINEERING BUREAU
		DIRECTOR OF ENVIRONMENTAL SERVICES



VICINITY MAP SCALE: 1"=2000'

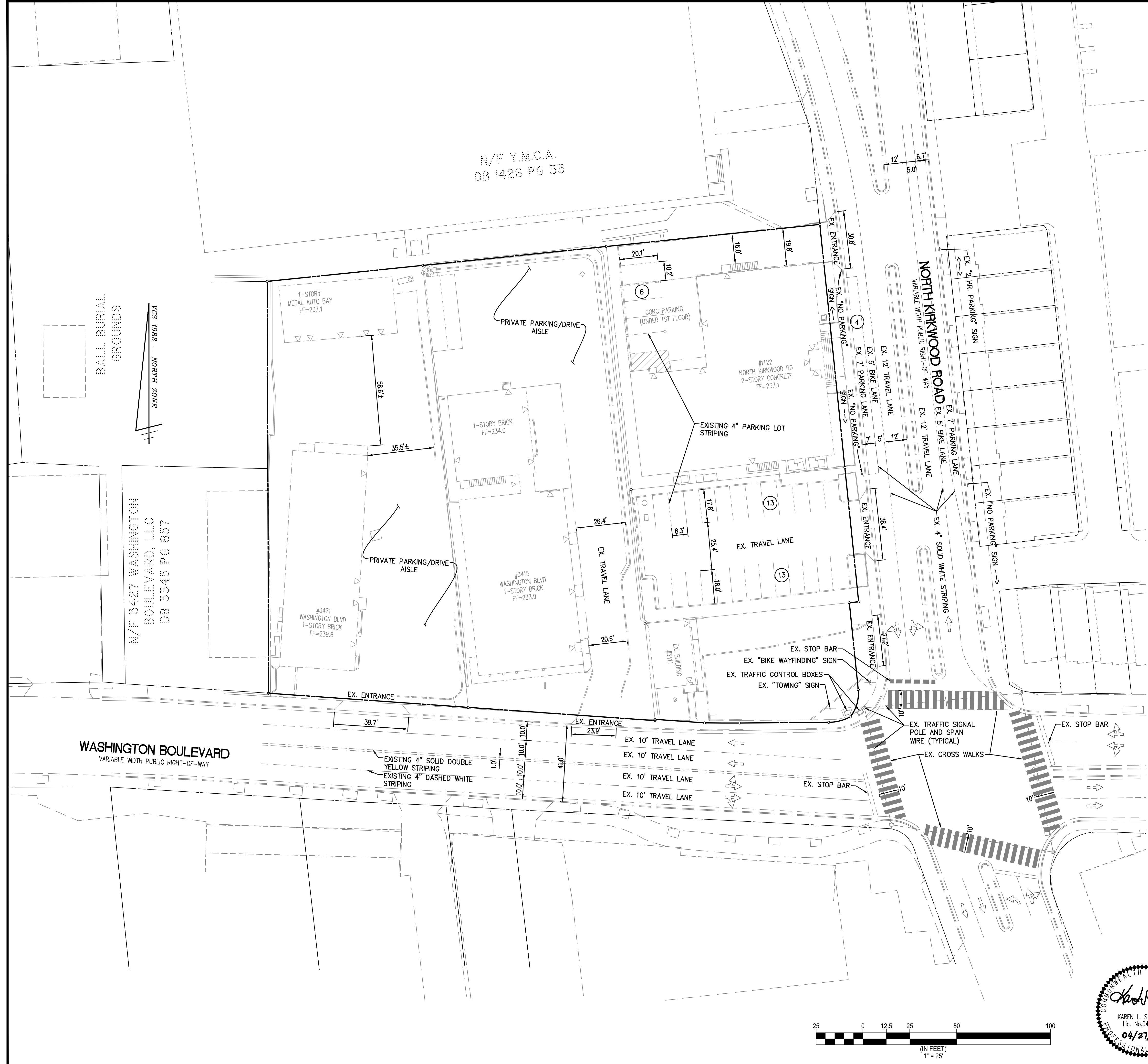
N/F YMCA.  
DB 1426 PG 33

BALL BURIAL  
GROUNDS

VCS 1988 - NORTH ZONE

N/F 3427 WASHINGTON  
BOULEVARD, LLC  
DB 3345 PG 657

WASHINGTON BOULEVARD  
VARIABLE WIDTH PUBLIC RIGHT-OF-WAY



**EXISTING PARKING TABULATION:**

EXISTING OFF-STREET PARKING:

STANDARD	= 32 SPACES
HANDICAP	= 0 SPACES
TOTAL	= 32 SPACES*

\*BASED ON OBSERVABLE STRIPING

EXISTING ON-STREET PARKING:

NORTH KIRKWOOD ROAD	= 4 SPACES
WASHINGTON BOULEVARD	= 0 SPACES
TOTAL	= 4 SPACES

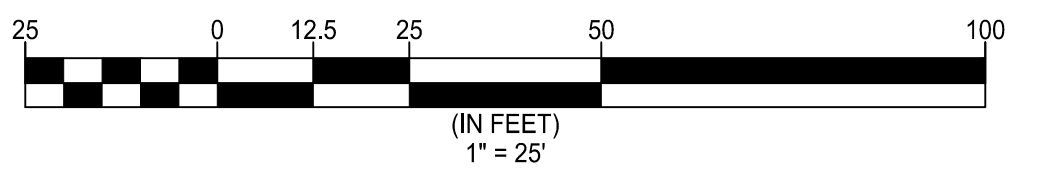
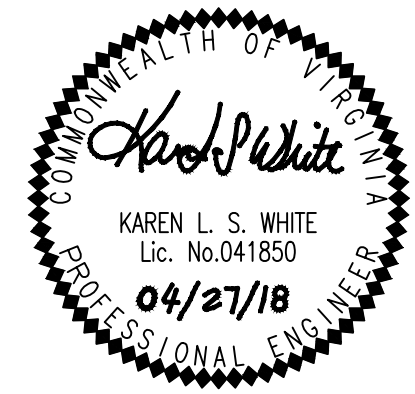
**EXISTING STRIPING & MARKING PLAN**

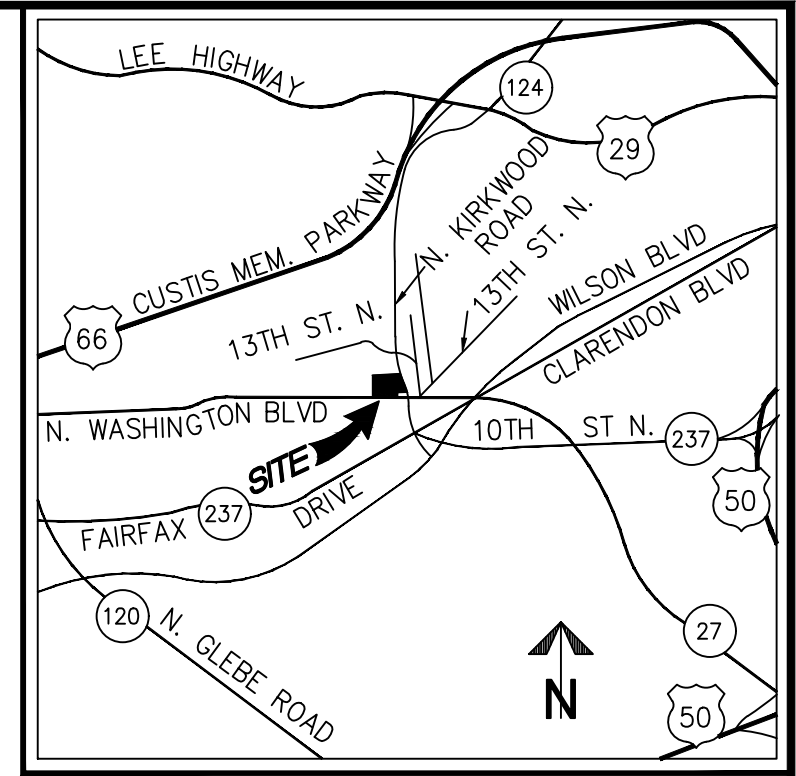


Engineers • Surveyors • Planners  
Landscape Architects • Arborists  
207 PARK AVENUE  
FALLS CHURCH, VIRGINIA 22046  
(703) 532-6163 Fax (703) 533-1301  
www.WLPINC.com

ARLINGTON, VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL SERVICES  
**WASHINGTON BOULEVARD AT KIRKWOOD**  
3411, 3415, & 3421 WASHINGTON BLVD  
& 1122 NORTH KIRKWOOD ROAD  
ARLINGTON COUNTY, VIRGINIA

SCALE: 1" = 25'	DRAWN TPB	CHECKED KSW
SUBMITTED DATE CONCEPT PLAN SUB. 12/14/2017	APPROVED DATE	APPROVED DATE
1ST PRELIM. 4.1 SITE PLAN SUB. 02/21/2018	CHIEF TRANSPORTATION PLANNING BUREAU	CHIEF TRANSPORTATION ENGINEERING BUREAU
2ND PRELIM. 4.1 SITE PLAN SUB. 04/27/2018	APPROVED DATE	APPROVED DATE
APPROVED DATE	CHIEF WATER, SEWER & STREETS BUREAU	CHIEF ENGINEERING BUREAU
		DIRECTOR OF ENVIRONMENTAL SERVICES





VICINITY MAP SCALE: 1"=2000'

N/F YMCA.  
DB 1426 PG 33

BALL BURIAL  
GROUNDS  
VCS 1988 - NORTH ZONE

N/F 3427 WASHINGTON  
BOULEVARD, LLC  
DB 3345 PG 657

WASHINGTON BOULEVARD  
VARIABLE WIDTH PUBLIC RIGHT-OF-WAY

NORTH KIRKWOOD ROAD  
VARIABLE WIDTH PUBLIC RIGHT-OF-WAY

**PROPOSED PARKING TABULATION:**

**PROPOSED OFF-STREET PARKING:**  
SEE ARCHITECTURE PLANS (ALL OFF-STREET PARKING LOCATED IN PROPOSED UNDERGROUND PARKING GARAGE)

**PROPOSED ON-STREET PARKING:**  
NORTH KIRKWOOD ROAD = 4 SPACES  
WASHINGTON BOULEVARD = 6 SPACES  
TOTAL = 10 SPACES

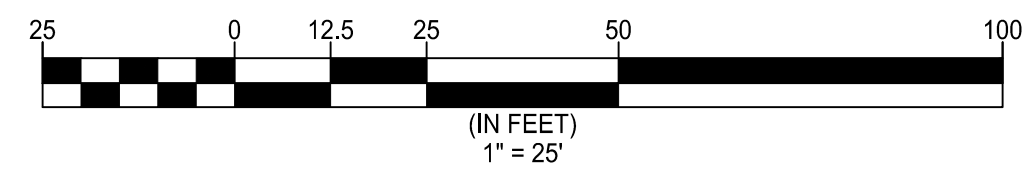
**PROPOSED STRIPING & MARKING PLAN**

**WALTER L. PHILLIPS** INCORPORATED ESTABLISHED 1945  
 Engineers • Surveyors • Planners  
 Landscape Architects • Arborists  
 207 PARK AVENUE  
 FALLS CHURCH, VIRGINIA 22046  
 (703) 532-6163 Fax (703) 533-1301  
 www.WLPINC.com

ARLINGTON, VIRGINIA  
 DEPARTMENT OF ENVIRONMENTAL SERVICES  
**WASHINGTON BOULEVARD AT KIRKWOOD**  
 3411, 3415, & 3421 WASHINGTON BLVD  
 & 1122 NORTH KIRKWOOD ROAD  
 ARLINGTON COUNTY, VIRGINIA

SCALE: 1" = 25'	DRAWN TPB	CHECKED KSW
SUBMITTED DATE CONCEPT PLAN SUB. 12/14/2017	APPROVED DATE	APPROVED DATE
1ST PRELIM. 4.1 SITE PLAN SUB. 02/21/2018	CHIEF TRANSPORTATION PLANNING BUREAU	CHIEF TRANSPORTATION ENGINEERING BUREAU
2ND PRELIM. 4.1 SITE PLAN SUB. 04/27/2018	APPROVED DATE	APPROVED DATE
APPROVED DATE	CHIEF WATER, SEWER & STREETS BUREAU	CHIEF ENGINEERING BUREAU
		DIRECTOR OF ENVIRONMENTAL SERVICES

SHEET: C-0405





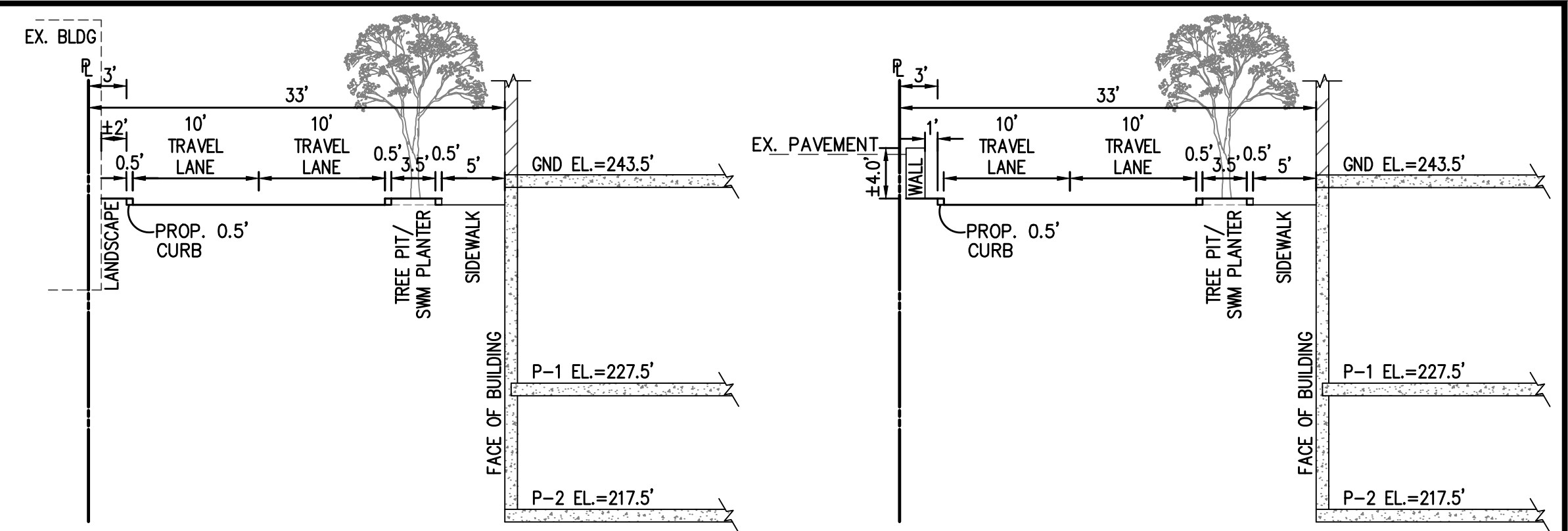
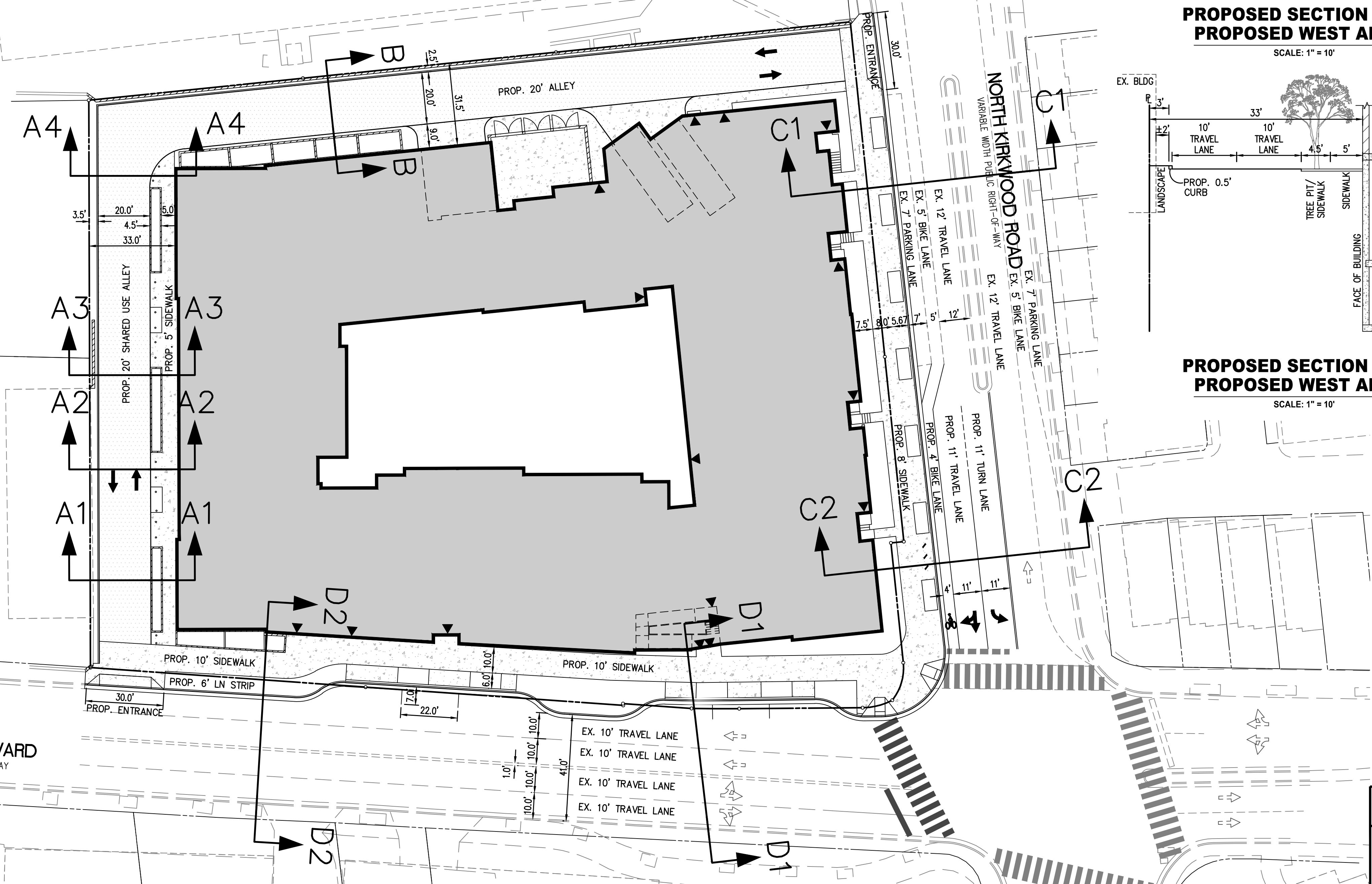
N/F YMCA.  
DB 1426 PG 33

BALL BURIAL  
GROUNDS

VCS 1988 - NORTH ZONE

N/F 3427 WASHINGTON  
BOULEVARD, LLC  
DB 3345 PG 657

WASHINGTON BOULEVARD  
VARIABLE WIDTH PUBLIC RIGHT-OF-WAY

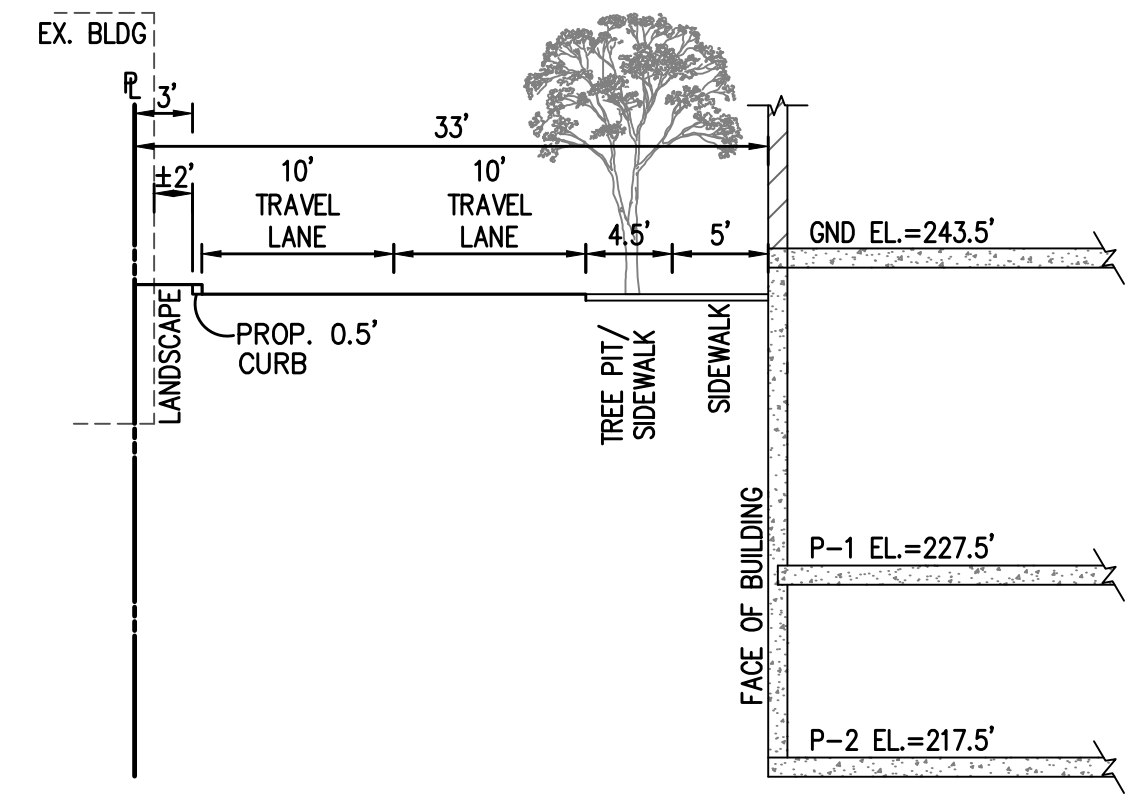


**PROPOSED SECTION A1-A1  
PROPOSED WEST ALLEY**

SCALE: 1" = 10'

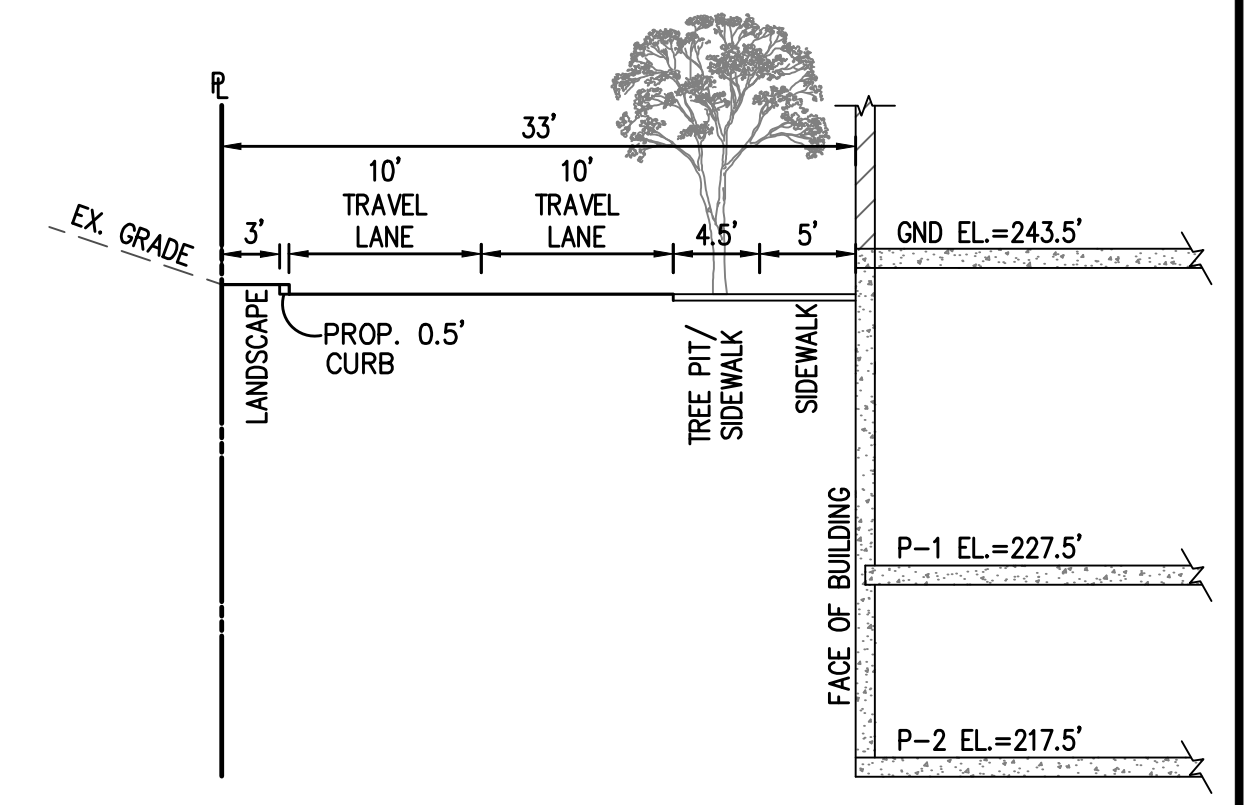
**PROPOSED SECTION A3-A3  
PROPOSED WEST ALLEY**

SCALE: 1" = 10'



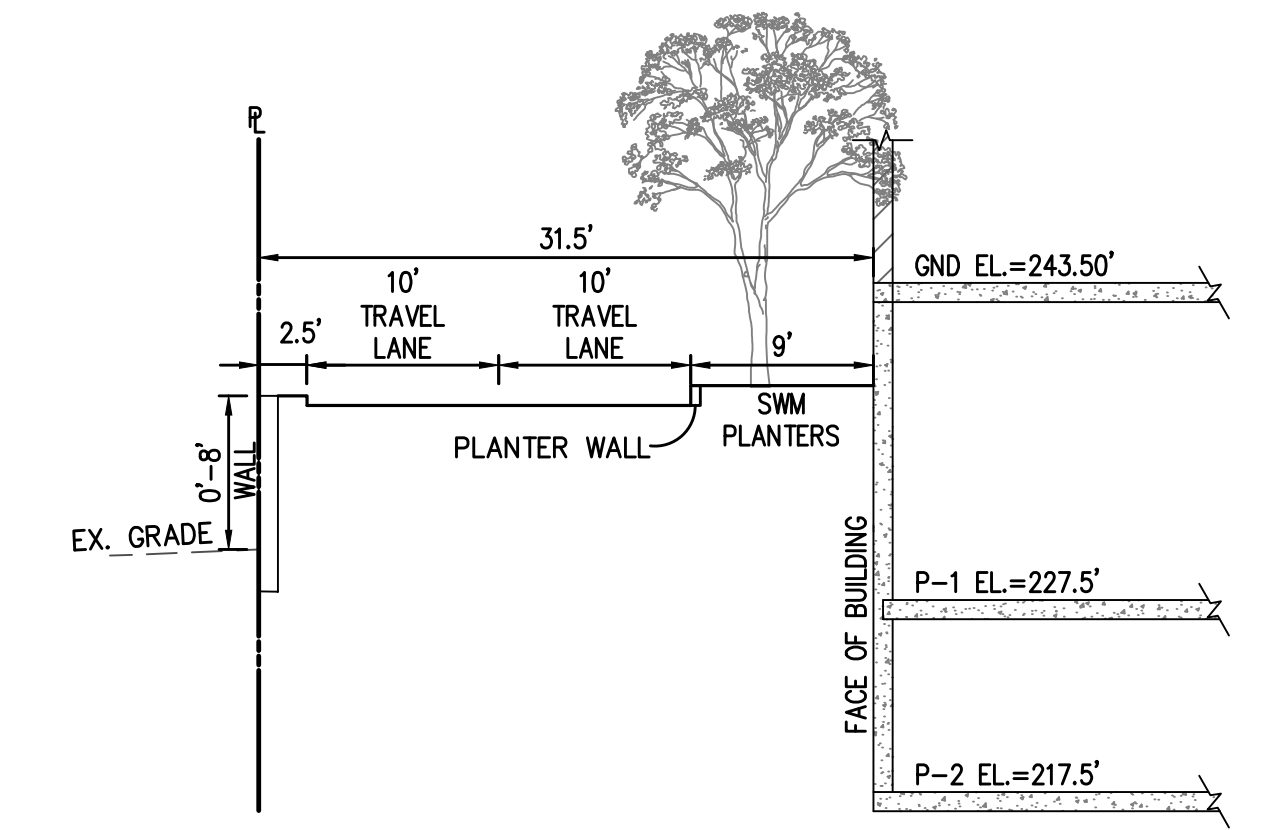
**PROPOSED SECTION A2-A2  
PROPOSED WEST ALLEY**

SCALE: 1" = 10'



**PROPOSED SECTION A4-A4  
PROPOSED WEST ALLEY**

SCALE: 1" = 10'



**PROPOSED SECTION B-B  
PROPOSED NORTH ALLEY**

SCALE: 1" = 10'

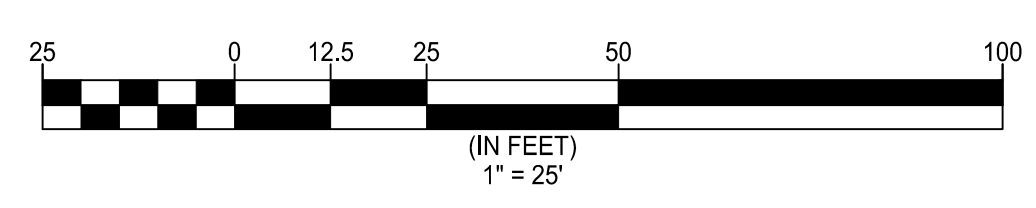
**STREET CROSS-SECTIONS**

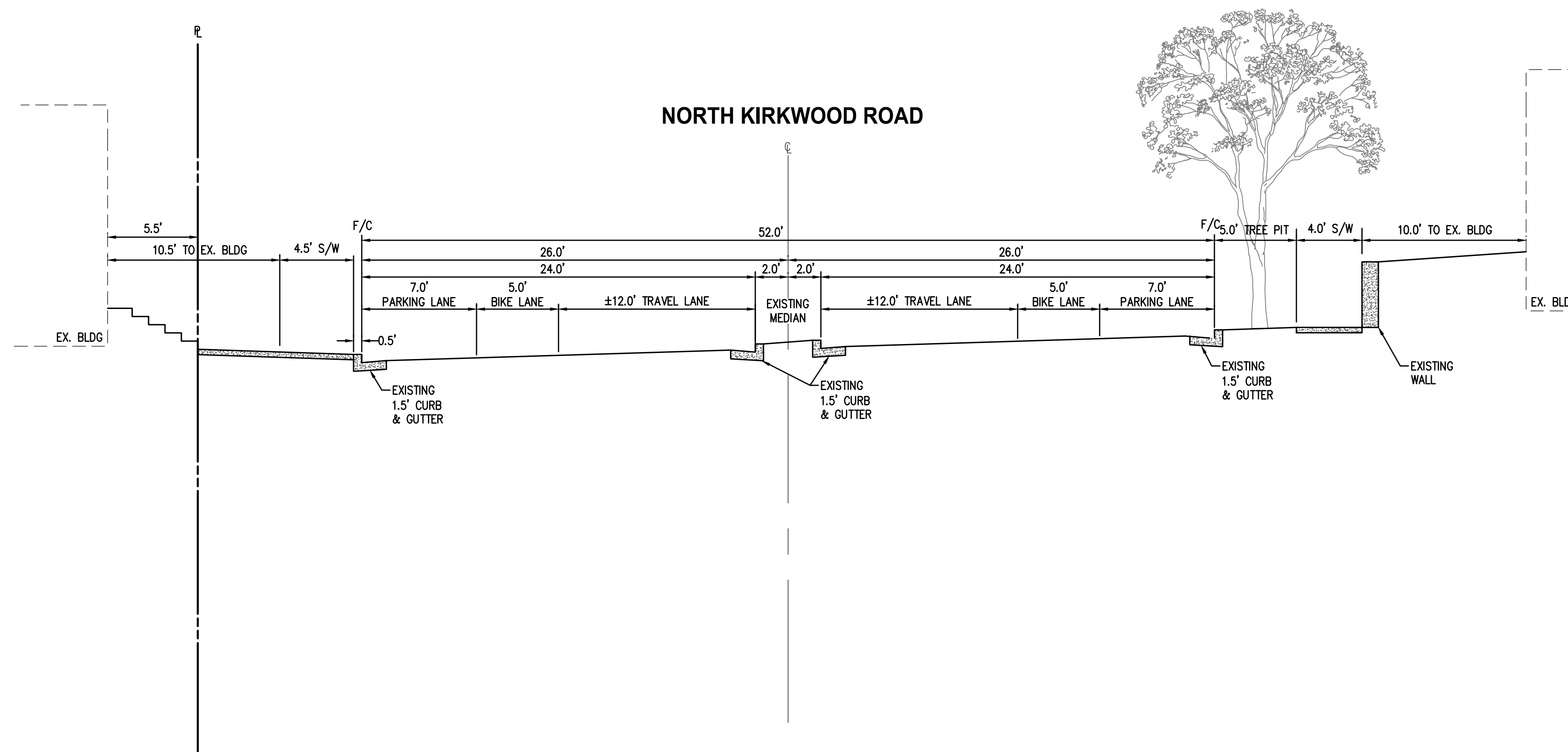
**WALTER L. PHILLIPS**  
INCORPORATED ESTABLISHED 1945

Engineers • Surveyors • Planners  
Landscape Architects • Arborists  
207 PARK AVENUE  
FALLS CHURCH, VIRGINIA 22046  
(703) 532-6163 Fax (703) 533-1301  
www.WLPINC.com

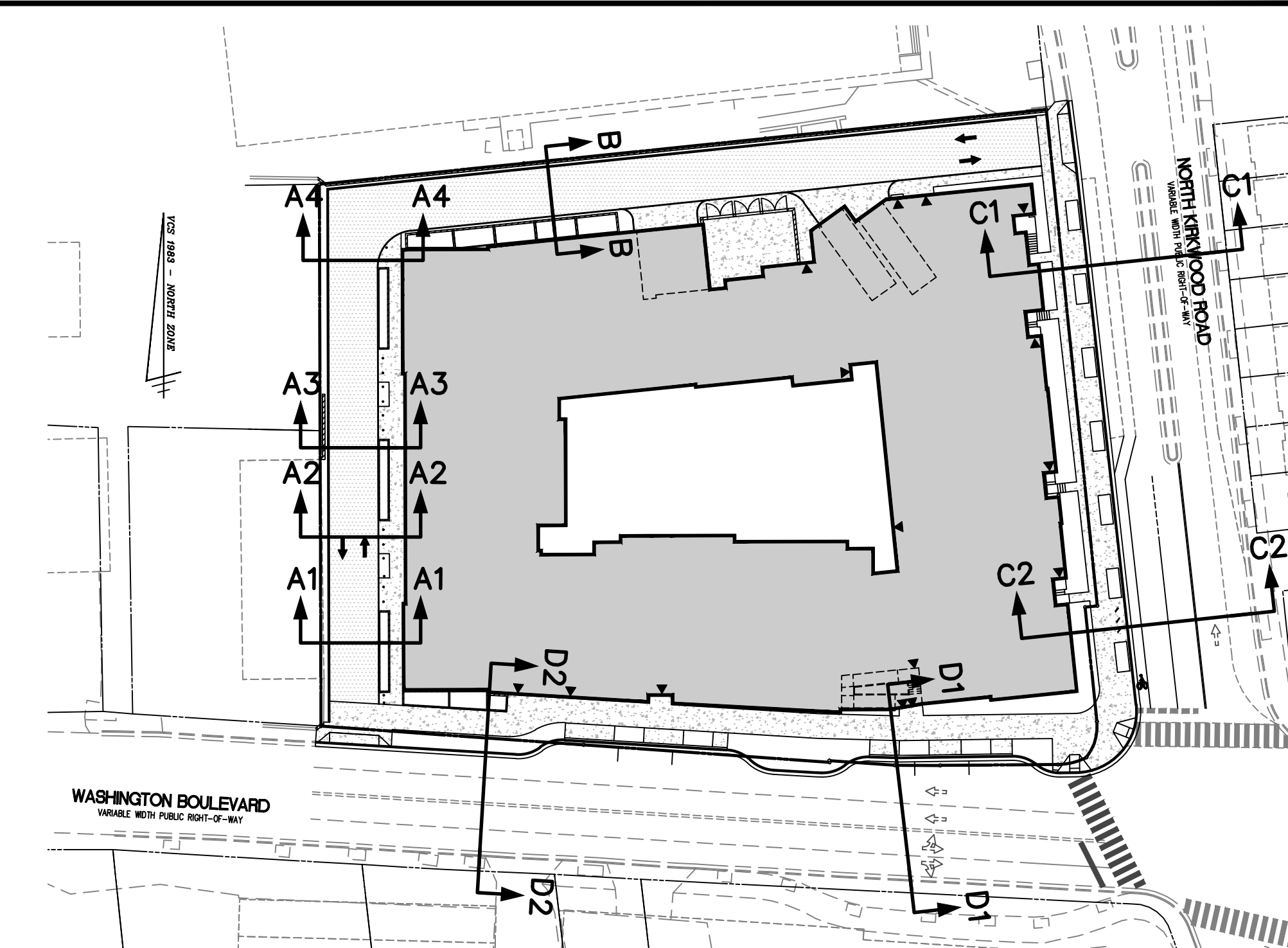
**ARLINGTON, VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL SERVICES  
WASHINGTON BOULEVARD AT KIRKWOOD**  
3411, 3415, & 3421 WASHINGTON BLVD  
& 1122 NORTH KIRKWOOD ROAD  
ARLINGTON COUNTY, VIRGINIA

SCALE: 1" = 25'	DRAWN TPB	CHECKED KSW
SUBMITTED DATE CONCEPT PLAN SUB. 12/14/2017	APPROVED DATE	APPROVED DATE
1ST PRELIM. 4.1 SITE PLAN SUB. 02/21/2018	CHIEF TRANSPORTATION PLANNING BUREAU	CHIEF TRANSPORTATION ENGINEERING BUREAU
2ND PRELIM. 4.1 SITE PLAN SUB. 04/27/2018	APPROVED DATE	APPROVED DATE
APPROVED DATE	CHIEF WATER, SEWER & STREETS BUREAU	CHIEF ENGINEERING BUREAU
		DIRECTOR OF ENVIRONMENTAL SERVICES

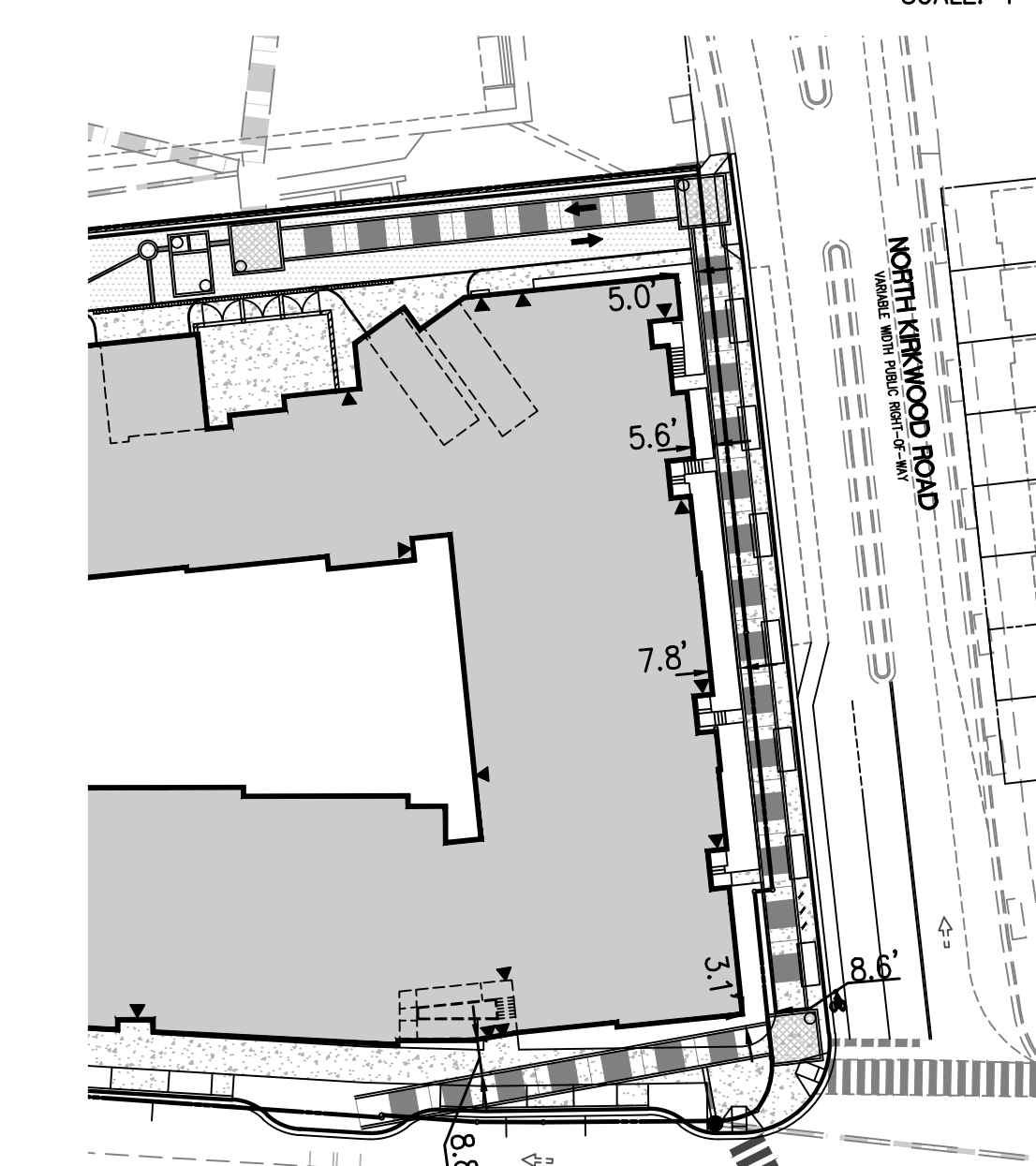




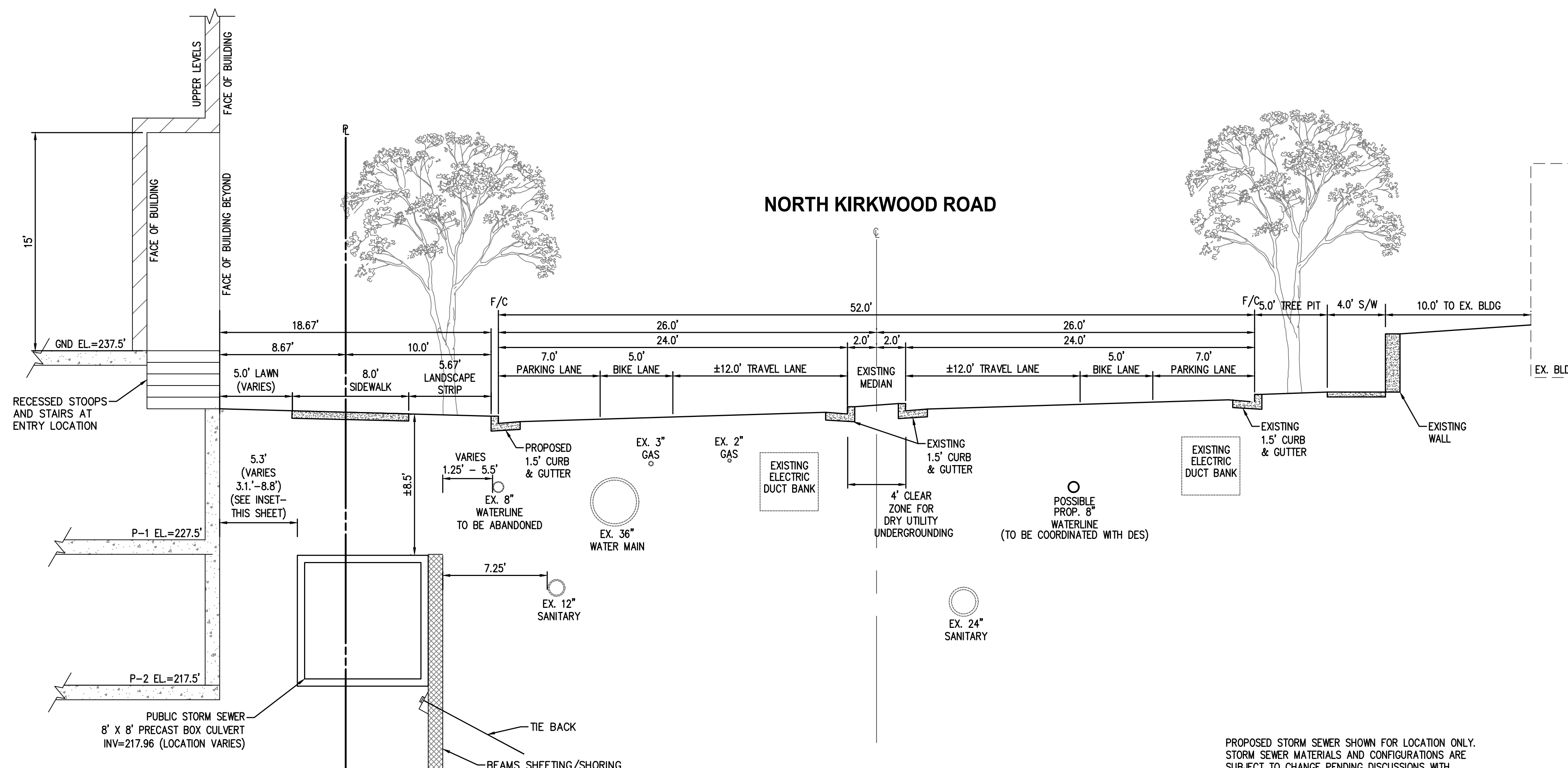
**EXISTING SECTION C1-C1 : NORTH KIRKWOOD ROAD**  
SCALE: 1" = 5'



**SECTION KEY**  
SCALE: 1" = 50'

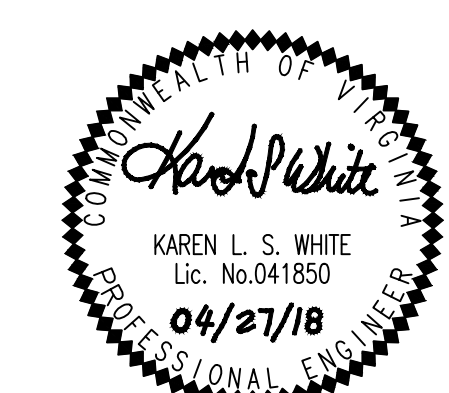


**PIPE SETBACK DIMENSIONS**  
SCALE: 1" = 50'



**PROPOSED SECTION C1-C1 : NORTH KIRKWOOD ROAD**  
SCALE: 1" = 5'

PROPOSED STORM SEWER SHOWN FOR LOCATION ONLY.  
STORM SEWER MATERIALS AND CONFIGURATIONS ARE  
SUBJECT TO CHANGE PENDING DISCUSSIONS WITH  
ARLINGTON COUNTY DES AND FUTURE DESIGN  
ADJUSTMENTS.

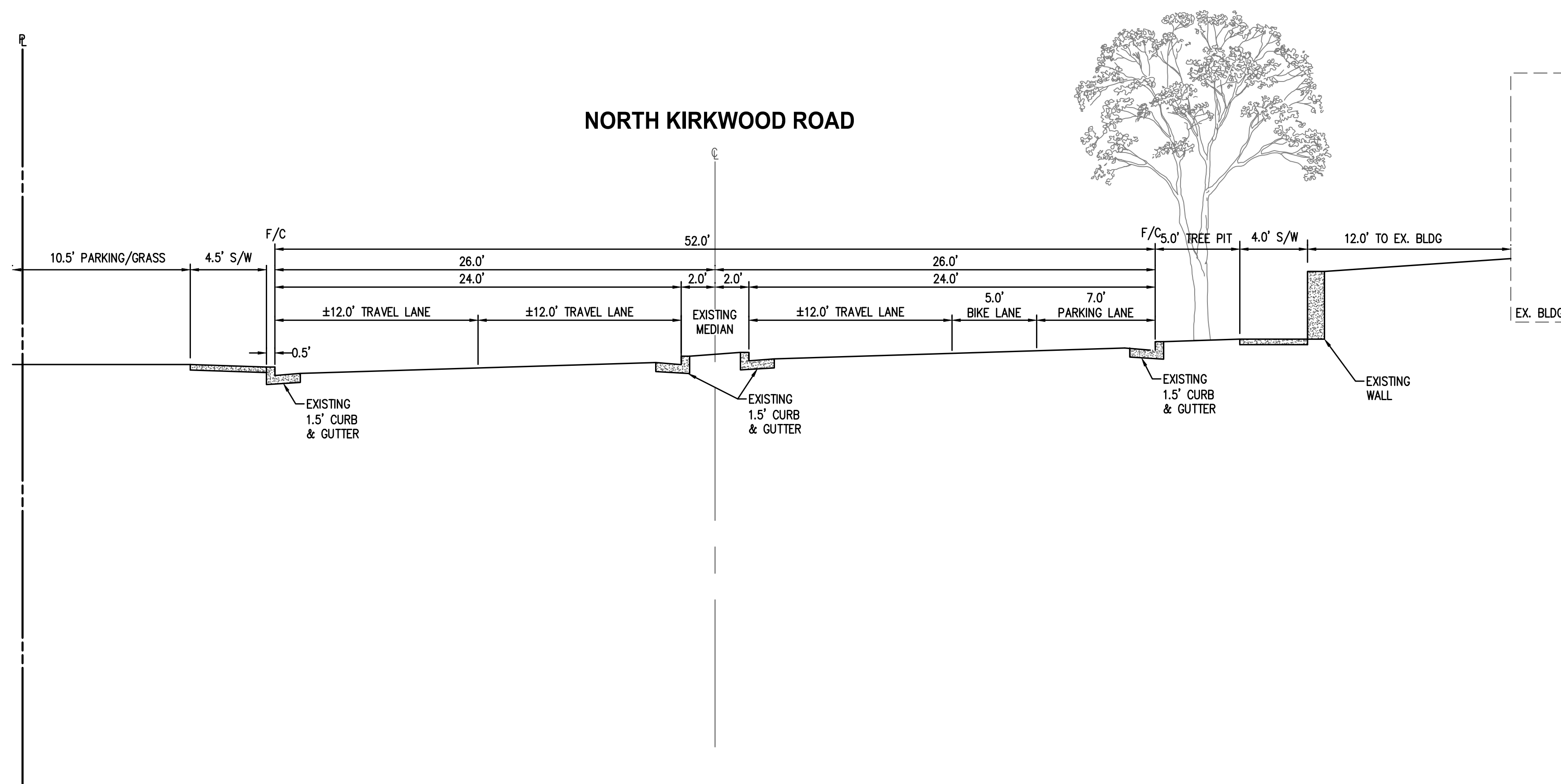


**STREET CROSS-SECTIONS**

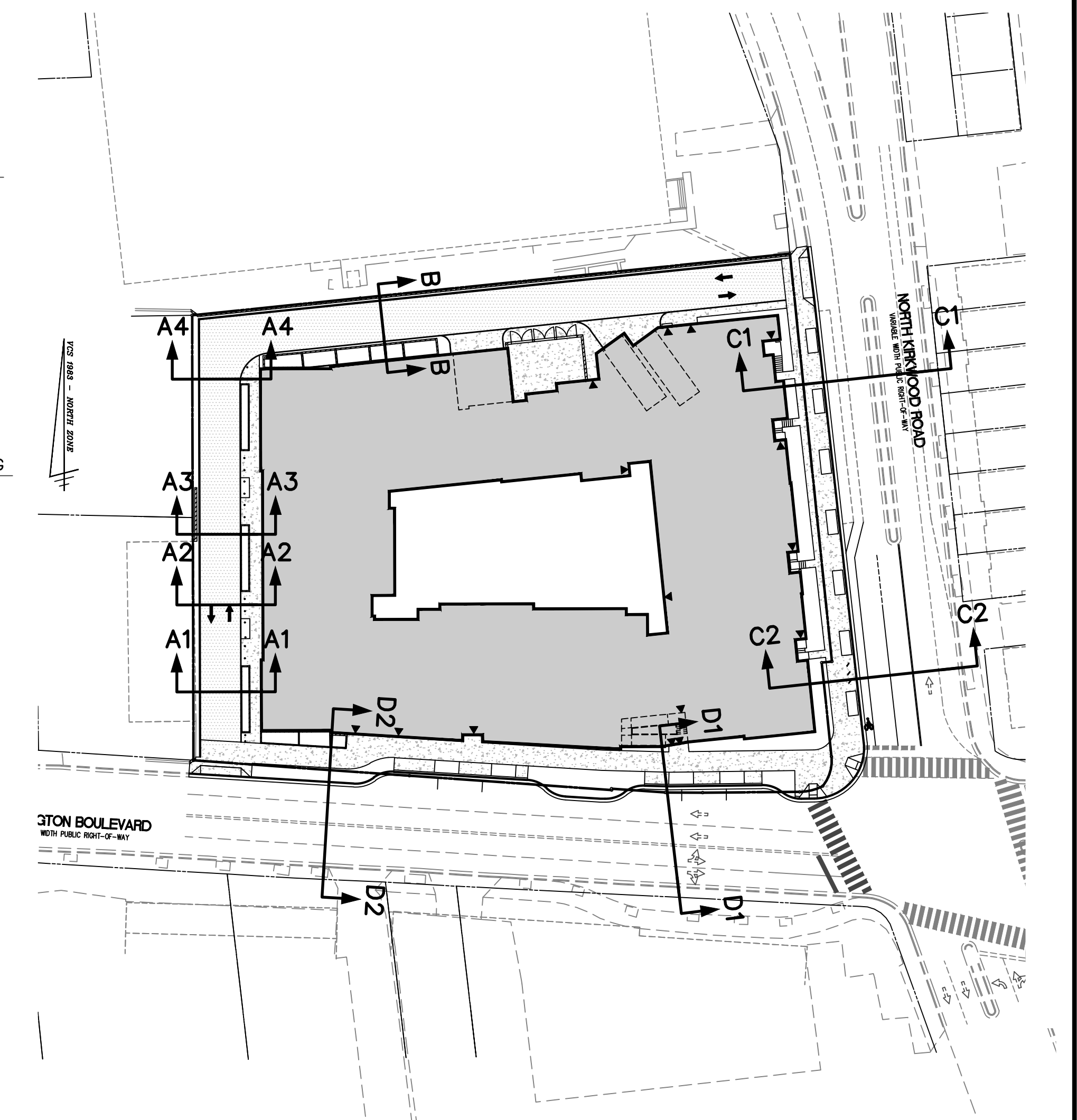
**WALTER L. PHILLIPS** INCORPORATED ESTABLISHED 1945  
 Engineers • Surveyors • Planners  
 Landscape Architects • Arborists  
 207 PARK AVENUE  
 FALLS CHURCH, VIRGINIA 22046  
 (703) 532-6163 Fax (703) 533-1301  
 www.WLPINC.com

**ARLINGTON, VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL SERVICES**  
**WASHINGTON BOULEVARD AT KIRKWOOD**  
 3411, 3415, & 3421 WASHINGTON BLVD  
 & 1122 NORTH KIRKWOOD ROAD  
 ARLINGTON COUNTY, VIRGINIA

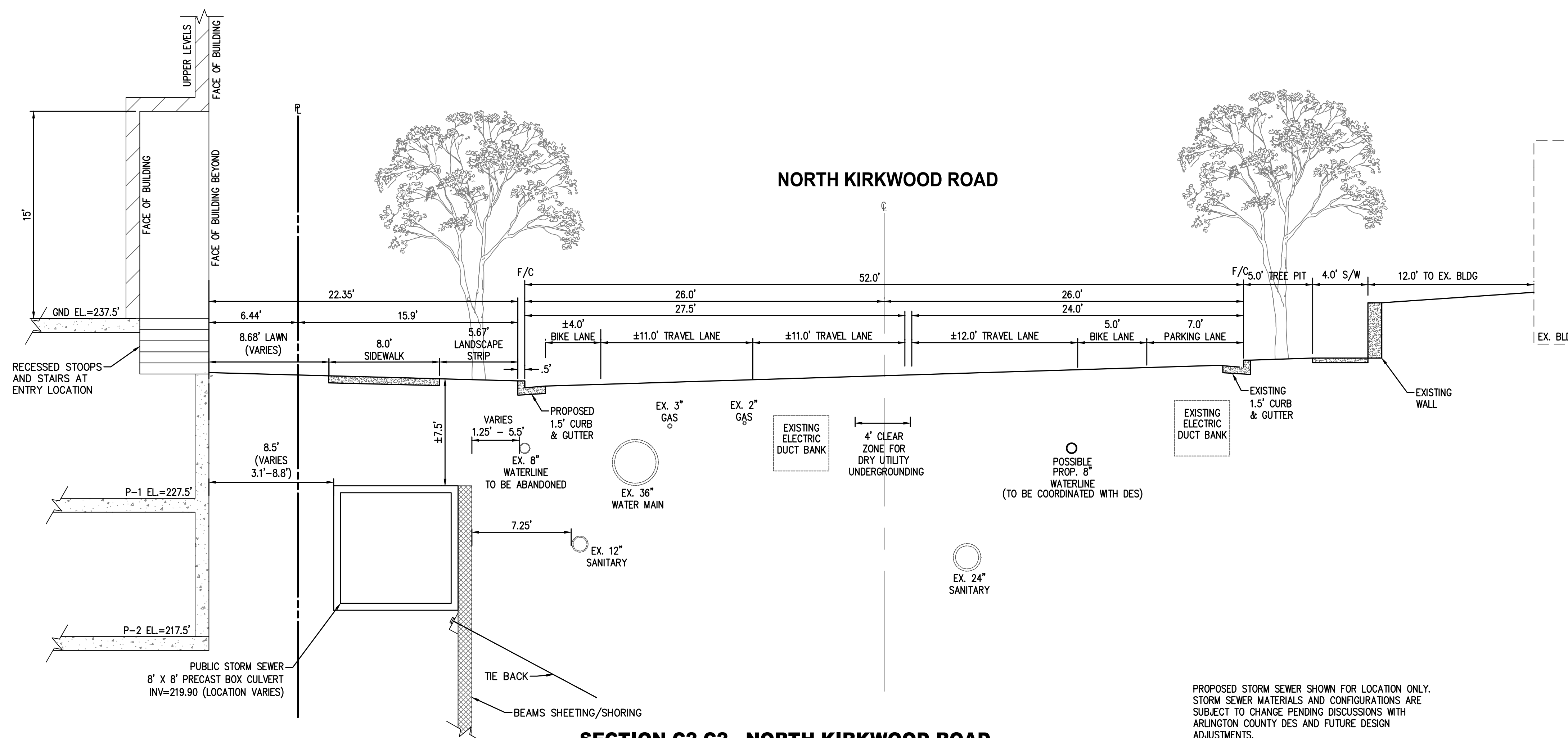
SCALE: 1" = 25'	DRAWN TPB	CHECKED KSW
SUBMITTED DATE CONCEPT PLAN SUB. 12/14/2017	APPROVED DATE	APPROVED DATE
1ST PRELIM. 4.1 SITE PLAN SUB. 02/21/2018	CHIEF TRANSPORTATION PLANNING BUREAU	CHIEF TRANSPORTATION ENGINEERING BUREAU
2ND PRELIM. 4.1 SITE PLAN SUB. 04/27/2018	APPROVED DATE	APPROVED DATE
APPROVED DATE	CHIEF WATER, SEWER & STREETS BUREAU	CHIEF ENGINEERING BUREAU
		DIRECTOR OF ENVIRONMENTAL SERVICES



**EXISTING SECTION C2-C2 : NORTH KIRKWOOD ROAD**  
SCALE: 1" = 5'



**SECTION KEY**  
SCALE: 1" = 50'



**SECTION C2-C2 - NORTH KIRKWOOD ROAD**  
SCALE: 1" = 5'

**STREET CROSS-SECTIONS**

**WALTER L. PHILLIPS**  
INCORPORATED ESTABLISHED 1945

Engineers • Surveyors • Planners  
Landscape Architects • Arborists  
207 PARK AVENUE  
FALLS CHURCH, VIRGINIA 22046  
(703) 532-6163 Fax (703) 533-1301  
www.WLPINC.com

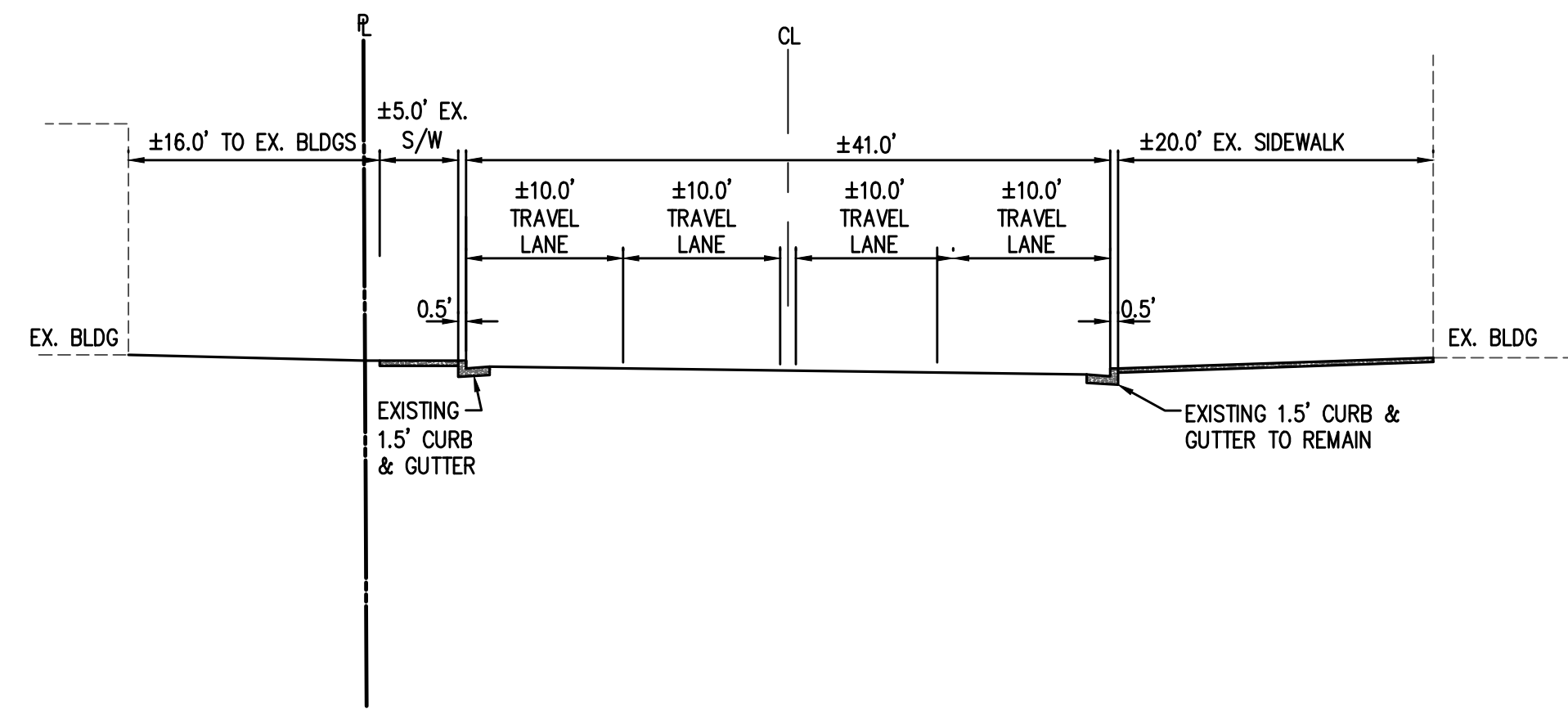
**ARLINGTON, VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL SERVICES  
WASHINGTON BOULEVARD AT KIRKWOOD**  
3411, 3415, & 3421 WASHINGTON BLVD  
& 1122 NORTH KIRKWOOD ROAD  
ARLINGTON COUNTY, VIRGINIA

SCALE: 1" = 25'	DRAWN TPB	CHECKED KSW	
SUBMITTED DATE CONCEPT PLAN SUB. 12/14/2017	APPROVED DATE	APPROVED DATE	
1ST PRELIM. 4.1 SITE PLAN SUB. 02/21/2018	CHIEF TRANSPORTATION PLANNING BUREAU	CHIEF TRANSPORTATION ENGINEERING BUREAU	
2ND PRELIM. 4.1 SITE PLAN SUB. 04/27/2018	APPROVED DATE	APPROVED DATE	
APPROVED DATE	CHIEF WATER, SEWER & STREETS BUREAU	CHIEF ENGINEERING BUREAU	DIRECTOR OF ENVIRONMENTAL SERVICES

SHEET: **C-0408**

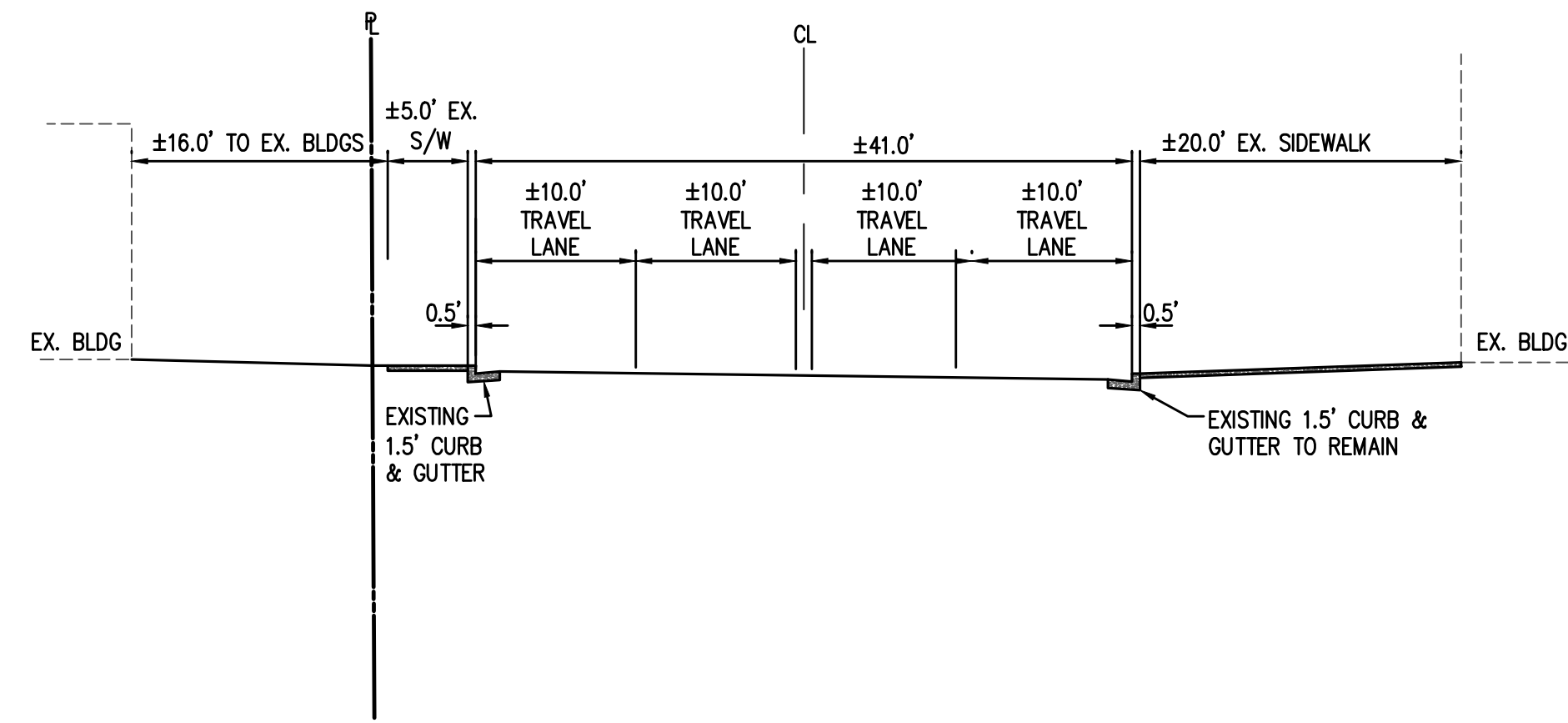


PROPOSED STORM SEWER SHOWN FOR LOCATION ONLY.  
STORM SEWER MATERIALS AND CONFIGURATIONS ARE  
SUBJECT TO CHANGE PENDING DISCUSSIONS WITH  
ARLINGTON COUNTY DES AND FUTURE DESIGN  
ADJUSTMENTS.



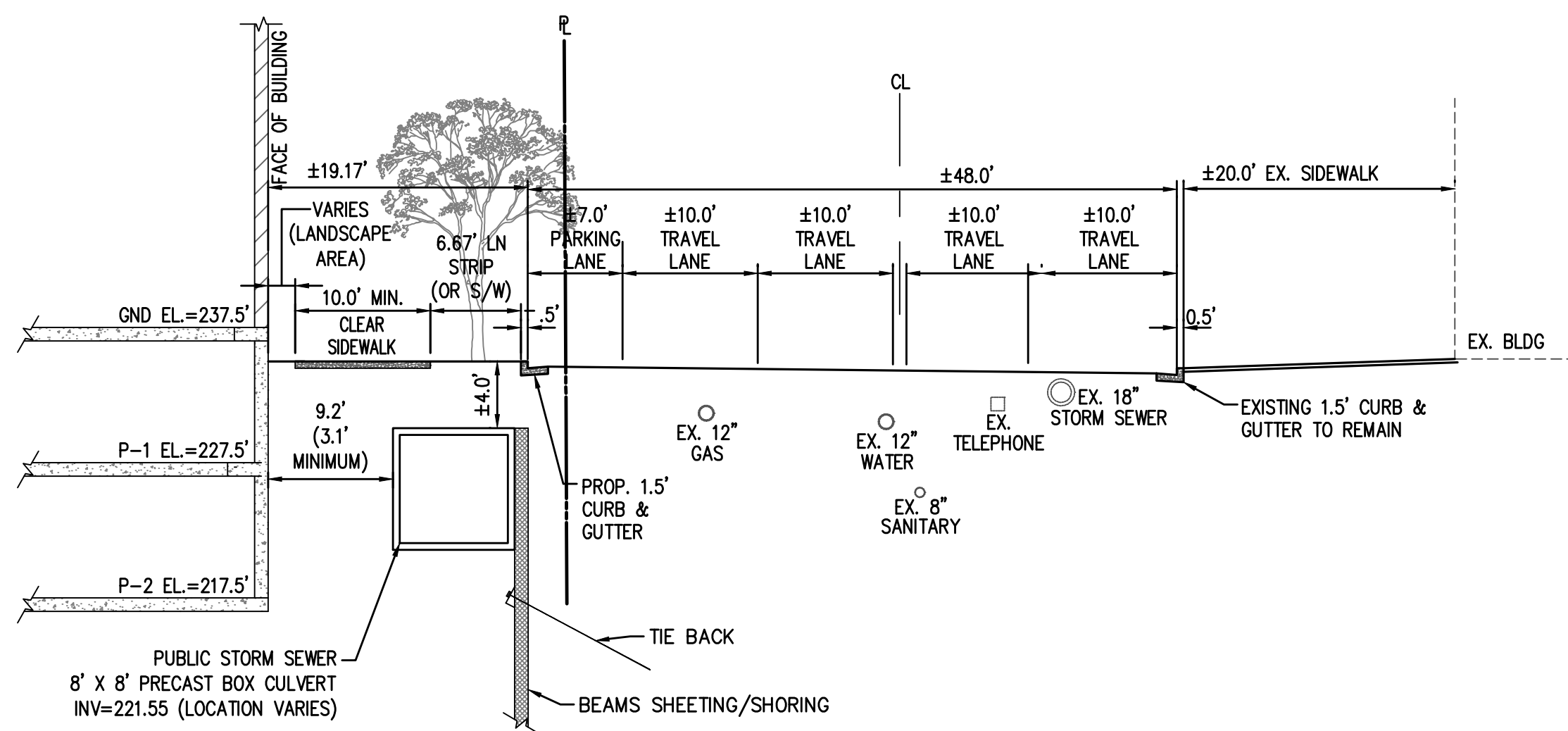
**EXISTING SECTION D1-D1  
WASHINGTON BOULEVARD**

SCALE: 1" = 10'



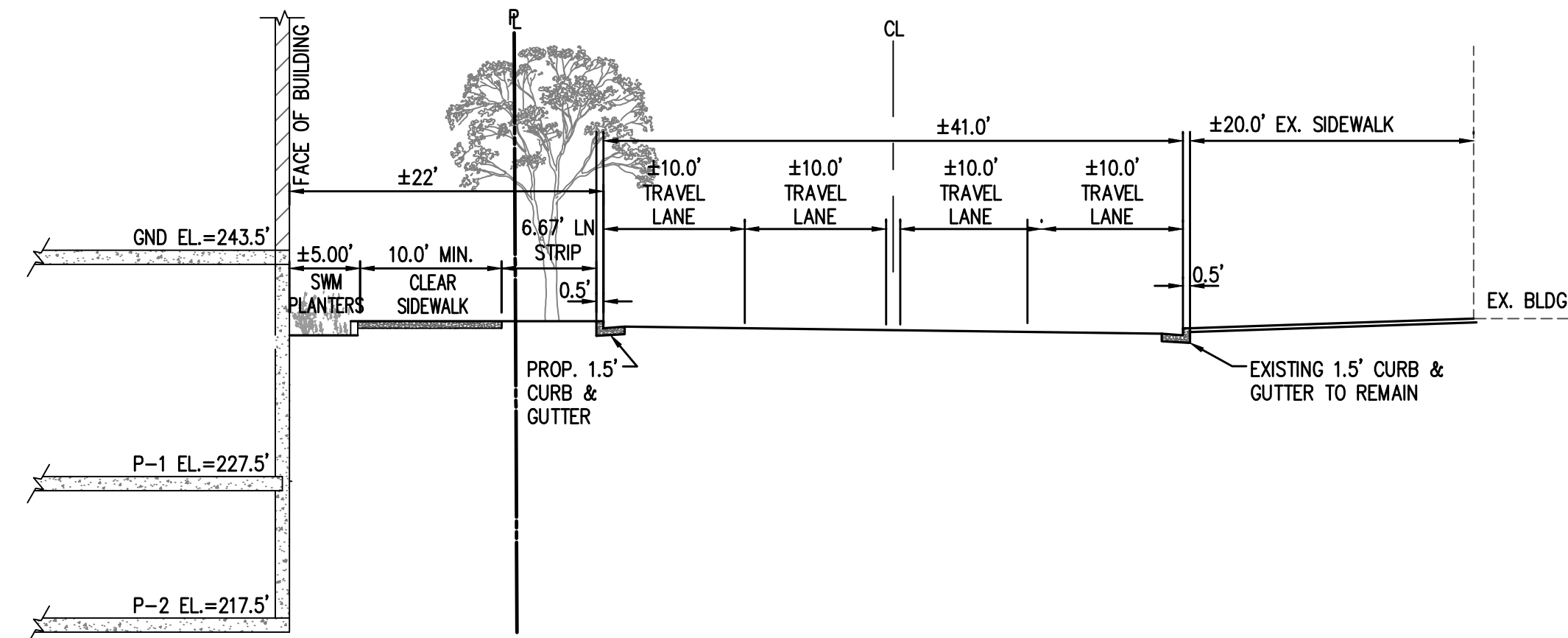
**EXISTING SECTION D2-D2  
WASHINGTON BOULEVARD**

SCALE: 1" = 10'



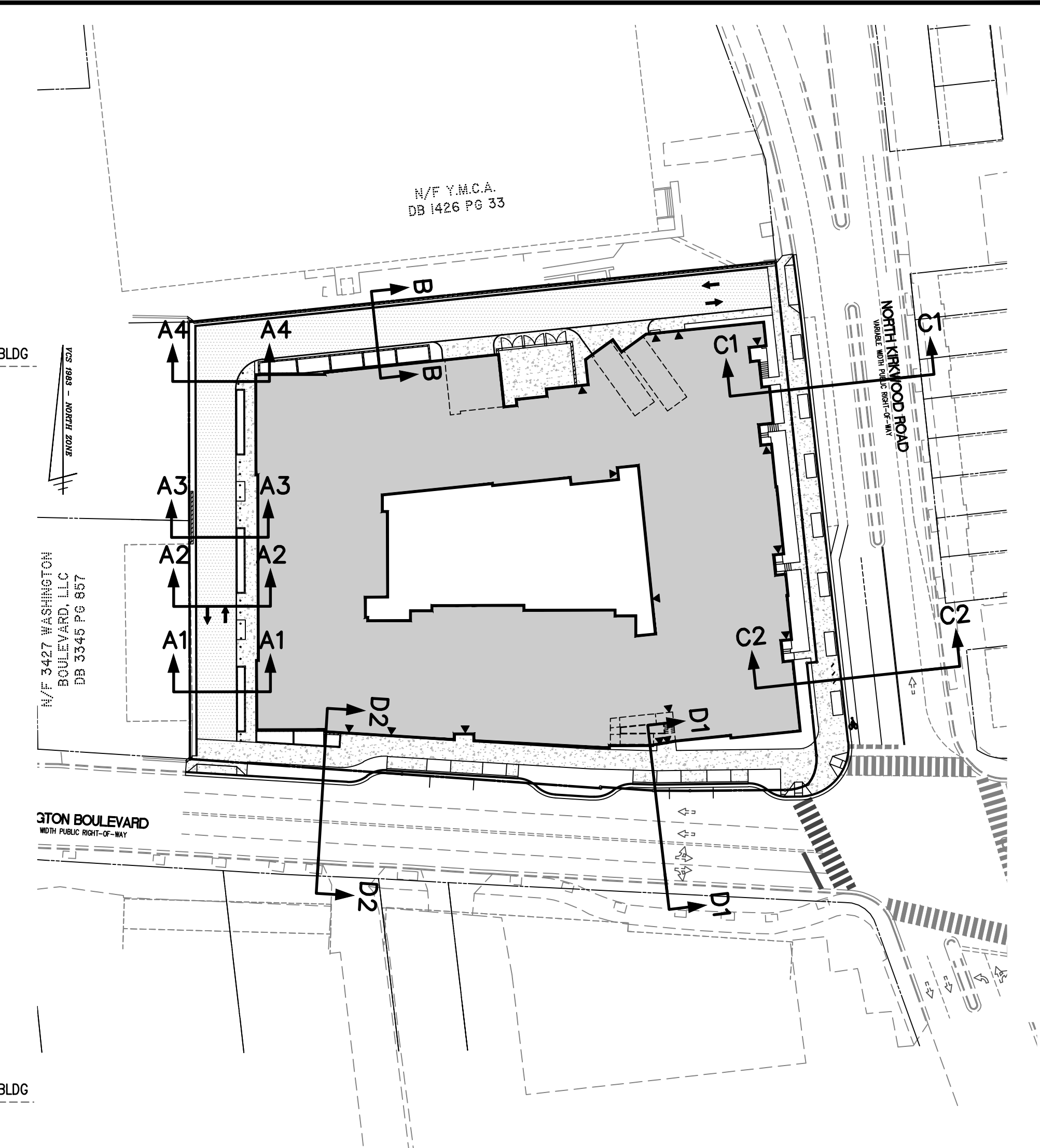
**PROPOSED SECTION D1-D1  
WASHINGTON BOULEVARD**

SCALE: 1" = 10'



**PROPOSED SECTION D2-D2  
WASHINGTON BOULEVARD**

SCALE: 1" = 10'



**SECTION KEY**

SCALE: 1" = 50'

PROPOSED STORM SEWER SHOWN FOR LOCATION ONLY.  
STORM SEWER MATERIALS AND CONFIGURATIONS ARE  
SUBJECT TO CHANGE PENDING DISCUSSIONS WITH  
ARLINGTON COUNTY DES AND FUTURE DESIGN  
ADJUSTMENTS.

**STREET CROSS-SECTIONS**

**WALTER L. PHILLIPS**  
INCORPORATED ESTABLISHED 1945

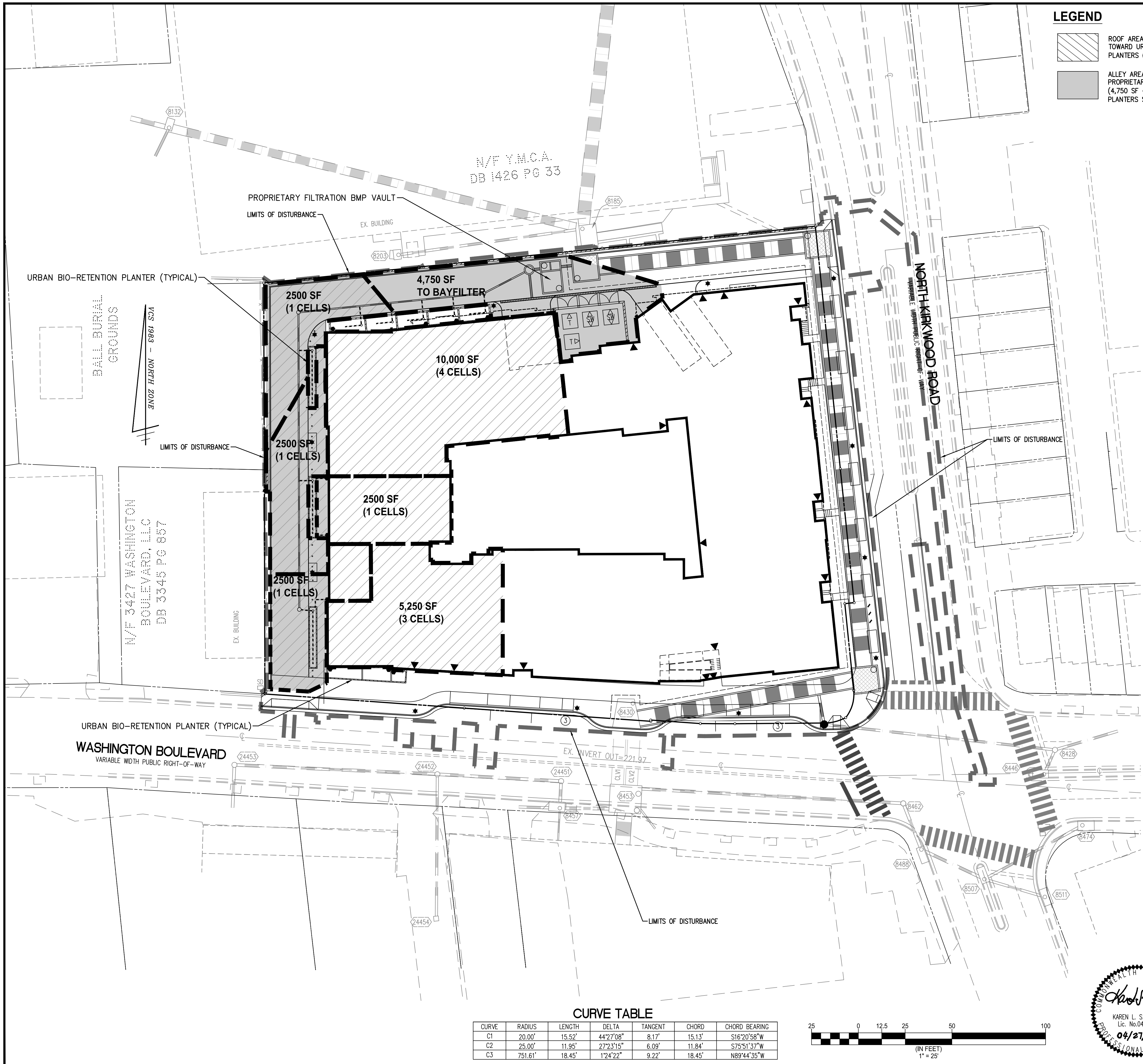
Engineers • Surveyors • Planners  
Landscape Architects • Arborists  
207 PARK AVENUE  
FALLS CHURCH, VIRGINIA 22046  
(703) 532-6163 Fax (703) 533-1301  
www.WLPINC.com

**ARLINGTON, VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL SERVICES  
WASHINGTON BOULEVARD AT KIRKWOOD**  
3411, 3415, & 3421 WASHINGTON BLVD  
& 1122 NORTH KIRKWOOD ROAD  
ARLINGTON COUNTY, VIRGINIA

SCALE: 1" = 25'	DRAWN TPB	CHECKED KSW
SUBMITTED DATE CONCEPT PLAN SUB. 12/14/2017	APPROVED DATE	APPROVED DATE
1ST PRELIM. 4.1 SITE PLAN SUB. 02/21/2018	CHIEF TRANSPORTATION PLANNING BUREAU	CHIEF TRANSPORTATION ENGINEERING BUREAU
2ND PRELIM. 4.1 SITE PLAN SUB. 04/27/2018	APPROVED DATE	APPROVED DATE
APPROVED DATE	CHIEF WATER, SEWER & STREETS BUREAU	CHIEF ENGINEERING BUREAU
		DIRECTOR OF ENVIRONMENTAL SERVICES



SHEET: **C-0409**



**LEGEND**

- ROOF AREA AND ALLEY AREA DIRECTED TOWARD URBAN BIO-RETENTION PLANTERS (25,250)
- ALLEY AREA DIRECTED TOWARD PROPRIETARY FILTRATION BMP (4,750 SF + UPSTREAM RUNOFF FROM PLANTERS SERVING ALLEY ONLY-6,750 SF)

**SWM/BMP NARRATIVE**

**EXISTING CONDITIONS:**  
 THE TOTAL PARCEL AREA OF THE SITE IS 75,187 SF OR 1.7261 ACRES. THE LIMITS OF DISTURBANCE AREA FOR THE PROJECT IS 84,850 SF OR 1.9479 ACRES. FOR THE PURPOSES OF STORMWATER MANAGEMENT THE SITE AREA WILL BE THE LIMITS OF DISTURBANCE WHICH IS EQUAL TO 84,850 SF OR 1.9479 ACRES.

CURRENTLY, THE SITE CONSISTS OF SEVERAL COMMERCIAL BUILDINGS AND ACCESSORY STRUCTURES/EQUIPMENT. ADDITIONALLY, SURFACE PARKING, LANDSCAPE AREAS, AND UTILITY INFRASTRUCTURE EXIST ON SITE. THERE ARE NO EXISTING STORMWATER MANAGEMENT QUALITY OR QUANTITY CONTROL MEASURES ON SITE. THE SITE DRAINS FROM SOUTH TO NORTH ACROSS THE SITE AS SHEET FLOW OR VIA STORM SEWERS. ALL STORM WATER ENTERS THE MUNICIPAL STORM SEWER SYSTEM VIA INLETS WITHIN THE SITE AND ALONG THE ADJACENT PUBLIC STREETS. AN 84" STORM SEWER CURRENTLY BIFURCATES THE SITE AND WILL BE RE-ALIGNED TO THE PERIMETER OF THE SITE AS PART OF THIS PROJECT.

**PROPOSED CONDITIONS:**  
 THE PROJECT INVOLVES THE CONSTRUCTION OF A RESIDENTIAL BUILDING, A PRIVATE ALLEY, SITE WALLS, LEAD WALKS, UTILITY SERVICES, AND STORMWATER MANAGEMENT BMP'S. THE PROPOSED STORMWATER MANAGEMENT BMP'S INCLUDE A BAYFILTER VAULT AND URBAN BIO-RETENTION PLANTERS.

**STORMWATER QUALITY:**  
 IN ORDER TO COMPLY WITH CHAPTER 60 OF THE ARLINGTON COUNTY CODE (STORMWATER ORDINANCE) FOR STORMWATER QUALITY, A STORMWATER FILTRATION FACILITY (BAYFILTER) AND URBAN BIO-RETENTION PLANTERS ARE PROPOSED. THESE STORMWATER BMP'S WILL REDUCE PHOSPHORUS LEVELS IN ORDER TO COMPLY WITH APPLICABLE ARLINGTON COUNTY AND STATE OF VIRGINIA REQUIREMENTS.

ADDITIONALLY, PER THE ARLINGTON COUNTY MEMORANDUM ON THE USE OF STRUCTURAL STORMWATER TREATMENT SYSTEMS, DATED 9/15/15, PROPRIETARY HYDRODYNAMIC DEVICES AND FILTRATION BMP'S MAY NOT BE USED AS THE SOLE TREATMENT METHOD FOR ROOF TOP AREA OR PERVIOUS AREA UNLESS USED IN SERIES WITH UPSTREAM RUNOFF REDUCTION BMP'S. ADDITIONALLY, IF STRUCTURAL SYSTEMS ARE TO BE USED AS A STAND-ALONE BMP, AT LEAST 75% OF THE DRAINAGE AREA MUST BE HIGH INTENSITY VEHICULAR PAVEMENT. IN ORDER TO COMPLY WITH THE MEMORANDUM, ROOF AREA WILL BE TREATED BY URBAN BIO-RETENTION PLANTERS AND NO CREDIT WILL BE TAKEN IF THE ROOF TREATMENT PLANTERS OUTFALL TO THE PROPOSED FILTRATION BMP. HOWEVER, PLANTERS TREATING THE ALLEY PAVEMENT AND OUTFALLING INTO THE FILTRATION BMP WILL TAKE CREDIT FOR ADDITIONAL PHOSPHORUS REDUCTION PROVIDED BY THE FILTRATION BMP.

SEE SHEET C-0703 FOR STORMWATER QUALITY COMPUTATIONS.

**STORMWATER QUANTITY:**  
 THE SITE DRAINS FROM SOUTH TO NORTH AND DISCHARGES AS CONCENTRATED FLOW AT A SINGLE OUTFALL, AN 84" RCP STORM SEWER. THE SITE OUTFALL POINT ALSO SERVES AS THE LIMITS OF ANALYSIS FOR BOTH CHANNEL PROTECTION AND FLOOD CONTROL SINCE THE UPSTREAM DRAINAGE AREA TO THE SITE IS GREATER THAN 100 TIMES THE SITE AREA. STORMWATER FROM THE SITE ULTIMATELY DISCHARGES INTO THE POTOMAC RIVER. SEE SHEET C-0703 FOR OUTFALL MAPS AND ANALYSIS.

**CHANNEL PROTECTION:** THE SITE STORM OUTFALL AND ALL PIPES PROPOSED WITH THIS DEVELOPMENT WILL BE COMPRISED OF CONCRETE OR OTHER NON-ERODIBLE MATERIALS UP TO THE LIMITS OF ANALYSIS. THEREFORE, THE SITE CAN DISCHARGE THE 2-YEAR, 24-HOUR STORM WITHOUT CAUSING EROSION IN THE SYSTEM AND DETENTION IS NOT REQUIRED FOR THE PURPOSES OF CHANNEL PROTECTION.

BASED ON THIS ANALYSIS, IT IS THE OPINION OF THE SUBMITTING ENGINEER THAT THE SITE COMPLIES WITH THE CHANNEL PROTECTION CRITERIA OUTLINED IN THE STATE STORMWATER REGULATIONS (9VAC25-870-66).

**FLOOD PROTECTION:** THE SITE STORM OUTFALL AND ALL PIPES PROPOSED WITH THIS DEVELOPMENT WILL BE ADEQUATE TO RECEIVE THE 10-YEAR, 24-HOUR STORMWATER DISCHARGE FROM THE SITE AND UPSTREAM DRAINAGE AREA, UP TO THE LIMITS OF ANALYSIS (SEE SHEET C-0703 FOR OUTFALL MAP AND SUPPORTING INFORMATION ON THIS SHEET). ADDITIONALLY, THERE IS NO EVIDENCE, BASED ON REVIEW OF AVAILABLE RECORDS, THAT LOCALIZED FLOODING OCCURS DURING THE 10-YEAR, 24-HOUR STORM. THEREFORE, DETENTION IS NOT REQUIRED FOR THE PURPOSES OF FLOOD CONTROL.

BASED ON THIS, IT IS THE OPINION OF THE SUBMITTING ENGINEER THAT THE SITE COMPLIES WITH THE FLOOD PROTECTION CRITERIA OUTLINED IN THE STATE STORMWATER REGULATIONS (9VAC25-870-66).

NOTE THAT IMPLEMENTATION OF RUNOFF REDUCTION PRACTICES ON THIS SITE WILL BRING THE POST-DEVELOPMENT FLOW RATE DOWN TO PRE-DEVELOPMENT CONDITIONS.

SEE SHEET C-0705 FOR STORMWATER QUANTITY COMPUTATIONS.

**ADJACENT PROPERTIES:**  
 ALL UNCONTROLLED SHEET FLOW FROM THE SITE WILL BE DIRECTED TO EXISTING OR PROPOSED CURB INLETS WITHIN THE PUBLIC RIGHT-OF-WAY AND INTO THE MUNICIPAL STORM SEWER SYSTEM. THERE WILL NOT BE ANY ADVERSE IMPACT TO ADJACENT PROPERTIES AS A RESULT OF THIS PROJECT AND THE PROPOSED IMPROVEMENTS.

**FLOODPLAIN BOUNDARY:**  
 THIS SITE IS LOCATED OUTSIDE OF THE 100-YEAR FLOODPLAIN BOUNDARY.

**RESOURCE PROTECTION AREAS:**  
 THERE ARE NO RESOURCE PROTECTION AREAS KNOWN TO EXIST ON THE SITE AND NO RESOURCE PROTECTION AREAS ARE DEPICTED ON THE ARLINGTON COUNTY GIS MAP.

THE SITE IS LOCATED IN THE SPROUT RUN WATERSHED.

THE STORMWATER MANAGEMENT PLAN PROVIDED ON THIS PLAN IS SUBJECT TO ADJUSTMENT AT THE TIME OF FINAL ENGINEERING.

**PRELIMINARY STORMWATER MANAGEMENT PLAN**

**WALTER L. PHILLIPS**  
 INCORPORATED ESTABLISHED 1945

Engineers • Surveyors • Planners  
 Landscape Architects • Arborists  
 207 PARK AVENUE  
 FALLS CHURCH, VIRGINIA 22046  
 (703) 532-6163 Fax (703) 533-1301  
 www.WLPINC.com

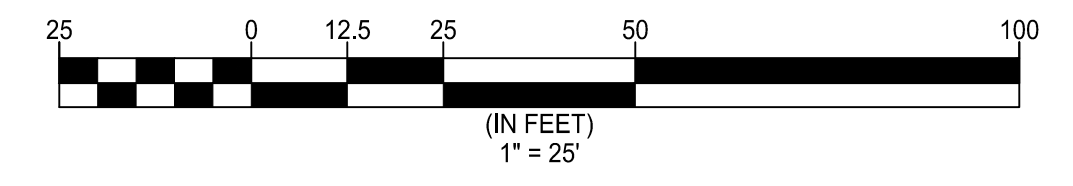
**ARLINGTON, VIRGINIA  
 DEPARTMENT OF ENVIRONMENTAL SERVICES  
 WASHINGTON BOULEVARD AT KIRKWOOD**  
 3411, 3415, & 3421 WASHINGTON BLVD  
 & 1122 NORTH KIRKWOOD ROAD  
 ARLINGTON COUNTY, VIRGINIA

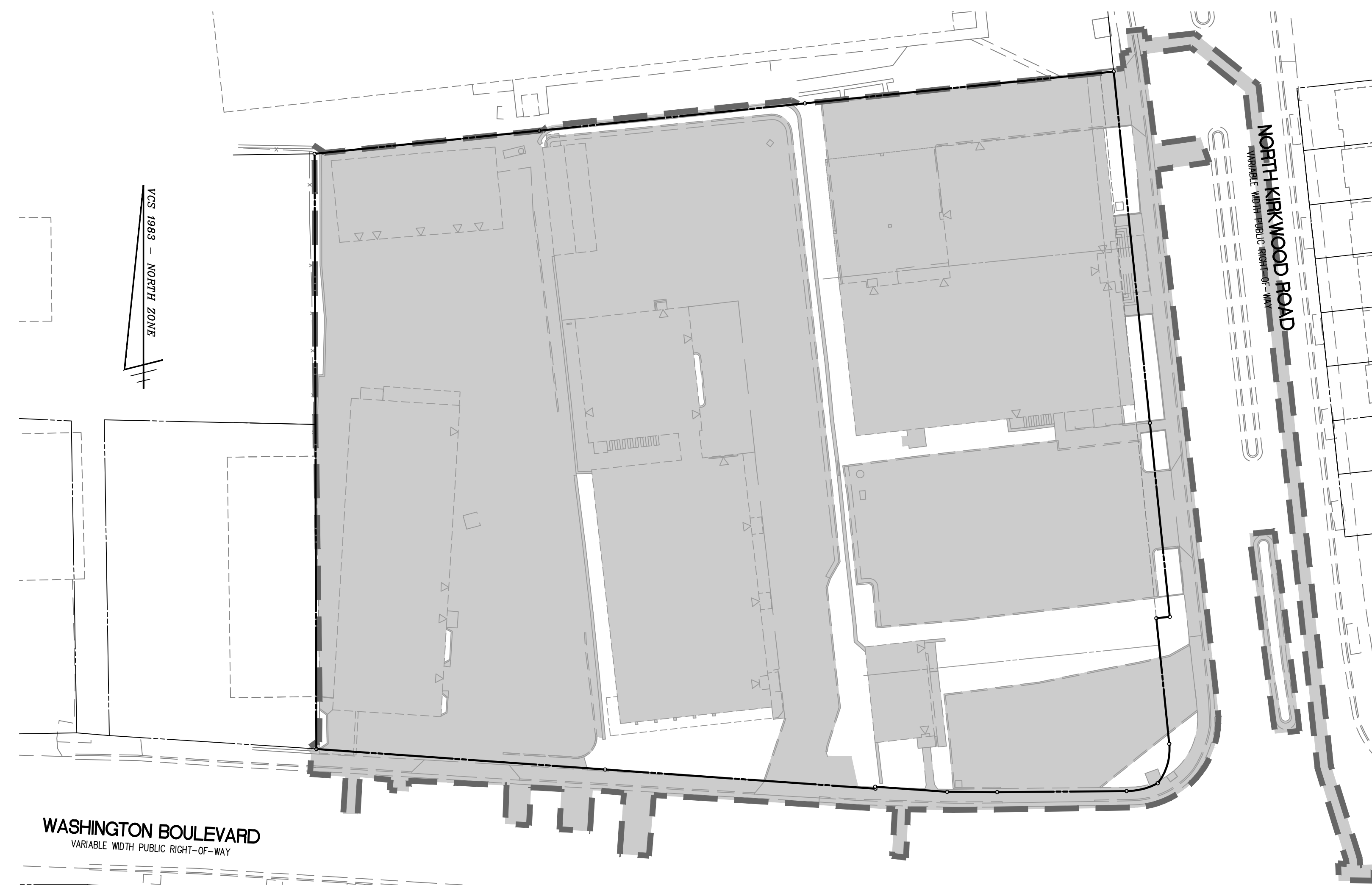
SCALE: 1" = 25'	DRAWN TPB	CHECKED KSW	
SUBMITTED DATE CONCEPT PLAN SUB. 12/14/2017	APPROVED DATE	APPROVED DATE	
1ST PRELIM. 4.1 SITE PLAN SUB. 02/21/2018	CHEIF TRANSPORTATION PLANNING BUREAU	CHEIF TRANSPORTATION ENGINEERING BUREAU	
2ND PRELIM. 4.1 SITE PLAN SUB. 04/27/2018	APPROVED DATE	APPROVED DATE	
APPROVED DATE	CHEIF WATER, SEWER & STREETS BUREAU	CHEIF ENGINEERING BUREAU	DIRECTOR OF ENVIRONMENTAL SERVICES

SHEET: **C-0701**

**CURVE TABLE**

CURVE	RADIUS	LENGTH	DELTA	TANGENT	CHORD	CHORD BEARING
C1	20.00'	15.52'	44°27'08"	8.17'	15.13'	S16°20'58"W
C2	25.00'	11.95'	27°23'15"	6.09'	11.84'	S75°51'37"W
C3	751.61'	18.45'	1°24'22"	9.22'	18.45'	N89°44'35"W



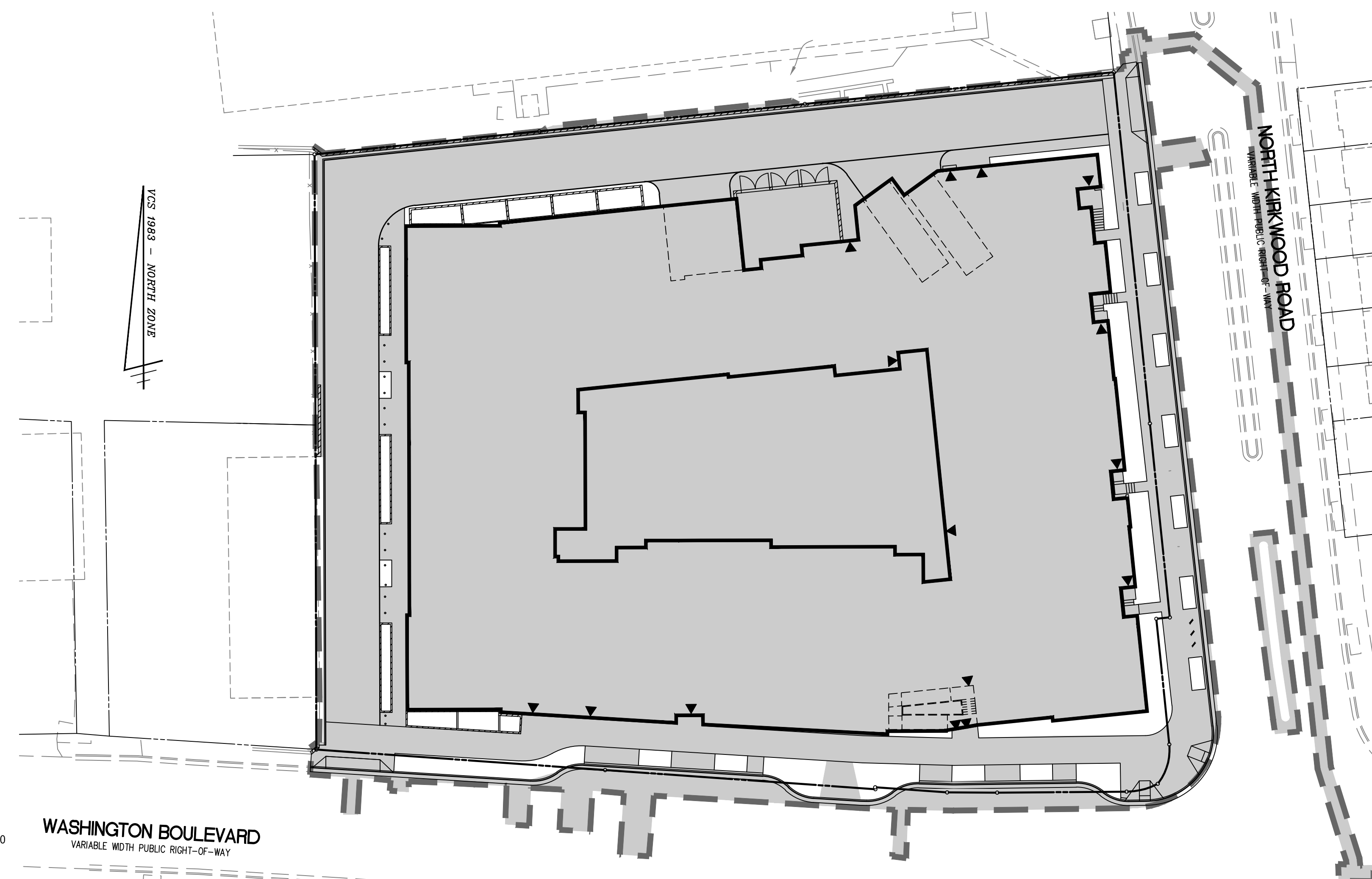
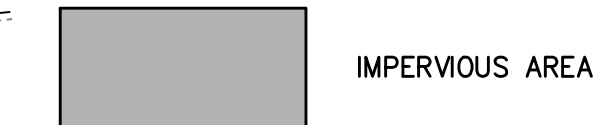


**EXISTING IMPERVIOUS AREA TABULATIONS**

LIMITS OF DISTURBANCE (SWM AREA): 84,850 SQ. FT. (1.9479 ACRES)

EXISTING IMPERVIOUS AREA: 74,894 SQ. FT. (1.7245 ACRES)

$CN = [(74,894 \times 98) + (9,956 \times 80)] / 84,850 = 96$



**PROPOSED IMPERVIOUS AREA TABULATIONS**

LIMITS OF DISTURBANCE (SWM AREA): 84,850 SQ. FT. (1.9479 ACRES)

PROPOSED IMPERVIOUS AREA: 77,865 SQ. FT. (1.7875 ACRES)

CN = 96 (SEE RRM SPREADSHEET - C-0705)



NOTE: SEE SHEETS C-0701, C-0703 - C-0705 FOR ADDITIONAL STORMWATER MANAGEMENT INFORMATION.

**PRELIMINARY IMPERVIOUS AREA ANALYSIS**



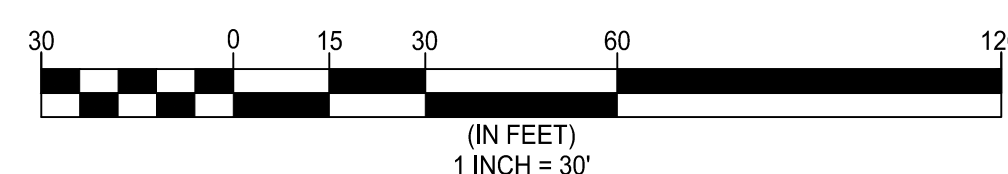
Engineers • Surveyors • Planners  
Landscape Architects • Arborists  
207 PARK AVENUE  
FALLS CHURCH, VIRGINIA 22046  
(703) 532-6163 Fax (703) 533-1301  
www.WLPINC.com

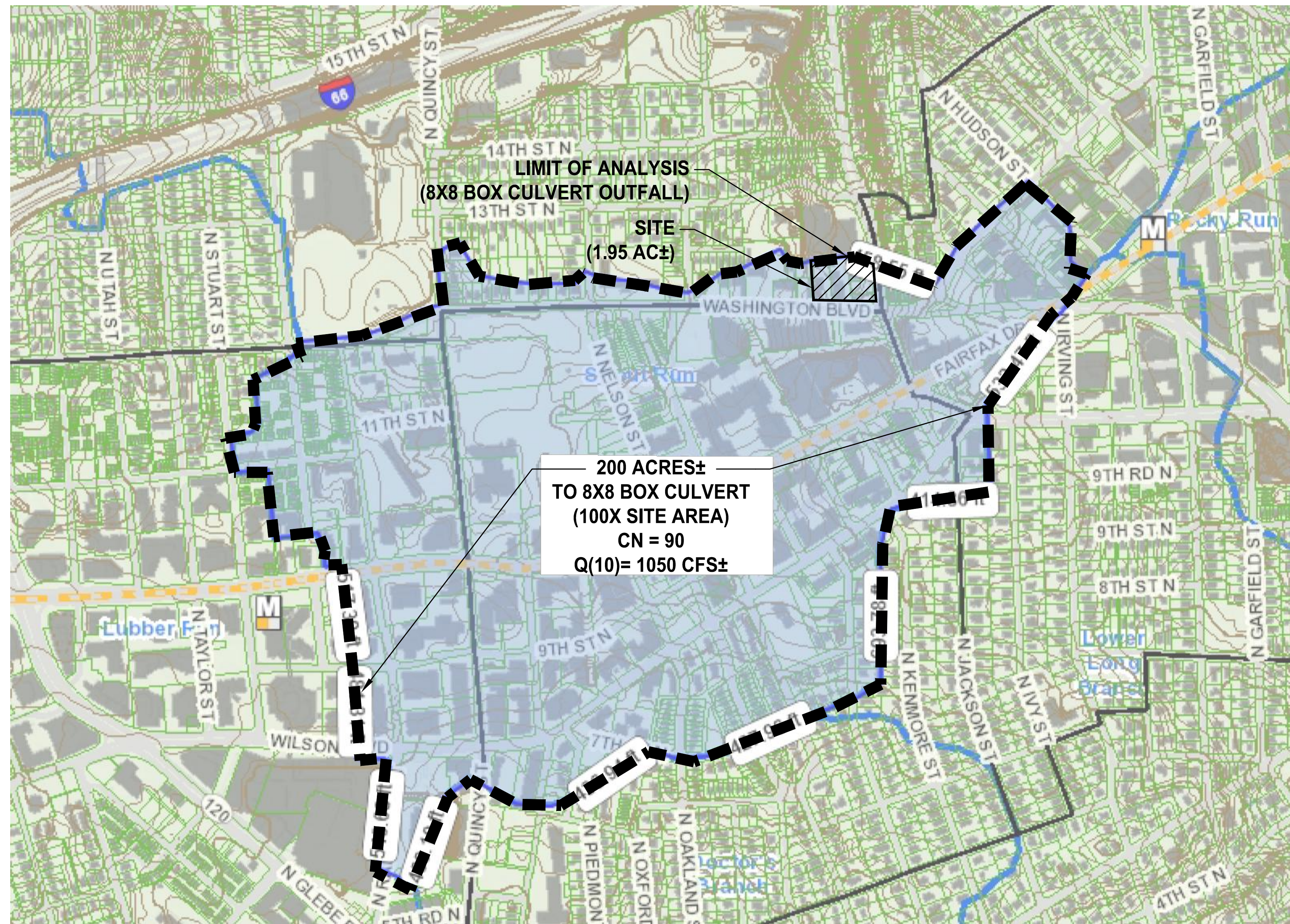
**ARLINGTON, VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL SERVICES**  
**WASHINGTON BOULEVARD AT KIRKWOOD**  
3411, 3415, & 3421 WASHINGTON BLVD  
& 1122 NORTH KIRKWOOD ROAD  
ARLINGTON COUNTY, VIRGINIA



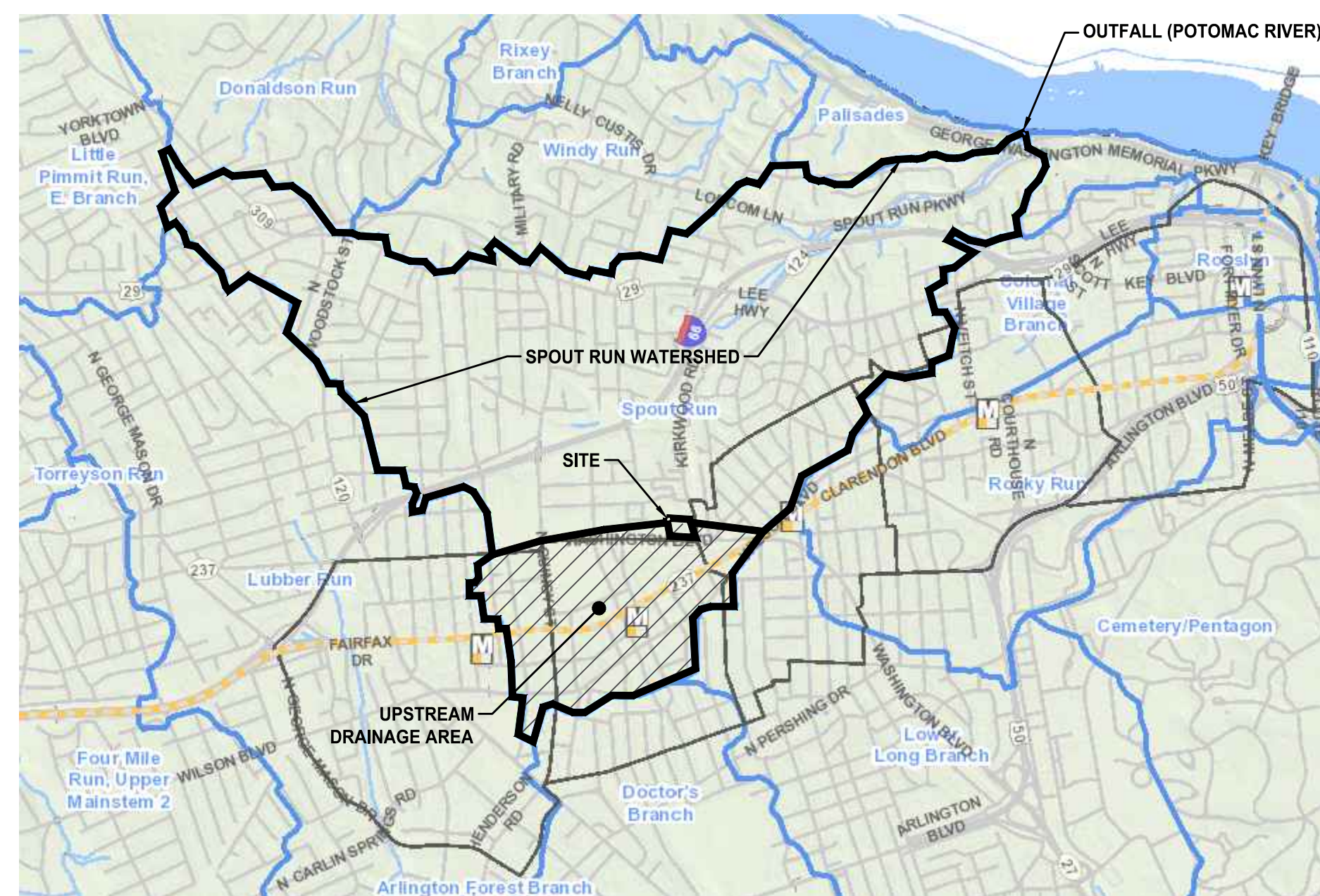
SCALE: 1" = 30'	DRAWN TPB	CHECKED KSW
SUBMITTED DATE CONCEPT PLAN SUB. 12/14/2017	APPROVED DATE	APPROVED DATE
1ST PRELIM. 4.1 SITE PLAN SUB. 02/21/2018	CHIEF TRANSPORTATION PLANNING BUREAU	CHIEF TRANSPORTATION ENGINEERING BUREAU
2ND PRELIM. 4.1 SITE PLAN SUB. 04/27/2018	APPROVED DATE	APPROVED DATE
APPROVED DATE	CHIEF WATER, SEWER & STREETS BUREAU	CHIEF ENGINEERING BUREAU
		DIRECTOR OF ENVIRONMENTAL SERVICES

SHEET: C-0702





**STORMWATER OUTFALL MAP**  
NOT TO SCALE



**WATERSHED MAP**  
NOT TO SCALE

**OUTFALL NARRATIVE**

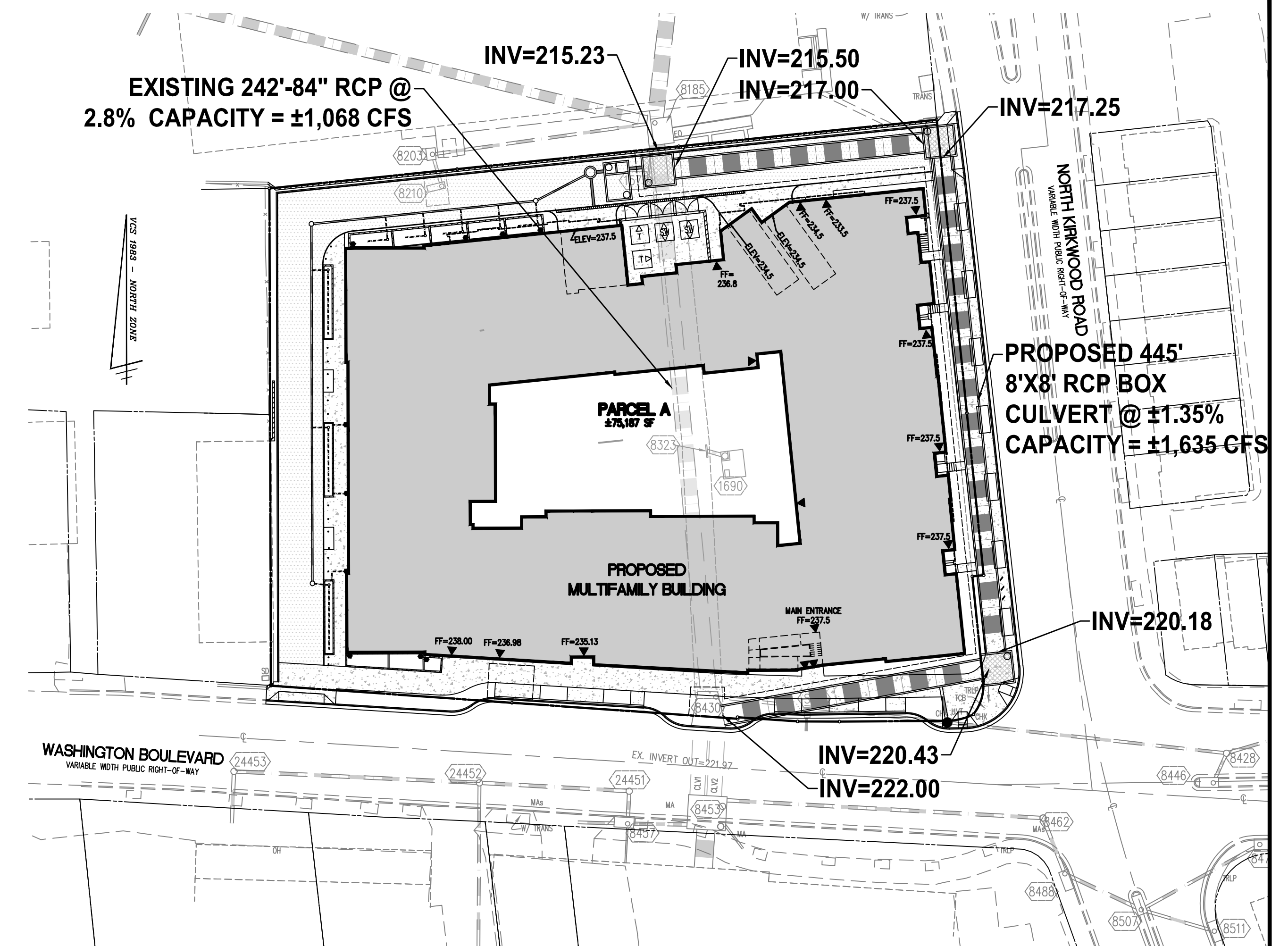
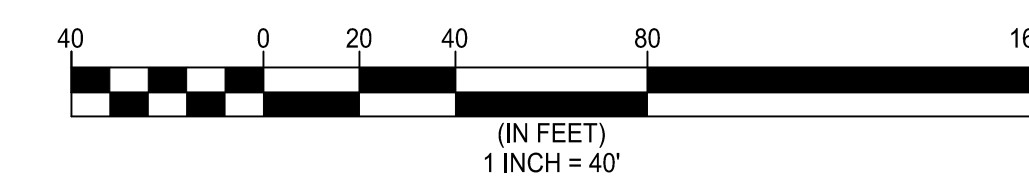
**OUTFALL:** THE SITE DRAINS FROM SOUTH TO NORTH AND DISCHARGES AS CONCENTRATED FLOW AT A SINGLE OUTFALL, AN 84" RCP STORM SEWER. THE SITE OUTFALL POINT ALSO SERVES AS THE LIMITS OF ANALYSIS FOR BOTH CHANNEL PROTECTION AND FLOOD CONTROL SINCE THE UPSTREAM DRAINAGE AREA TO THE SITE IS GREATER THAN 100 TIMES THE SITE AREA. STORMWATER FROM THE SITE ULTIMATELY DISCHARGES INTO THE POTOMAC RIVER. THE SITE IS LOCATED IN THE SPOUT RUN WATERSHED.

**CHANNEL PROTECTION:** THE SITE STORM OUTFALL AND ALL PIPES PROPOSED WITH THIS DEVELOPMENT WILL BE COMPRISED OF CONCRETE OR OTHER NON-ERODIBLE MATERIALS UP TO THE LIMITS OF ANALYSIS. THEREFORE, THE SITE CAN DISCHARGE THE 2-YEAR, 24-HOUR STORM WITHOUT CAUSING EROSION IN THE SYSTEM AND DETENTION IS NOT REQUIRED FOR THE PURPOSES OF CHANNEL PROTECTION.

**FLOOD PROTECTION:** BASED ON THIS ANALYSIS, IT IS THE OPINION OF THE SUBMITTING ENGINEER THAT THE SITE COMPLIES WITH THE FLOOD PROTECTION CRITERIA OUTLINED IN THE STATE STORMWATER REGULATIONS (9VAC25-870-66).

**FLOOD PROTECTION:** THE SITE STORM OUTFALL AND ALL PIPES PROPOSED WITH THIS DEVELOPMENT WILL BE ADEQUATE TO RECEIVE THE 10-YEAR, 24-HOUR STORMWATER DISCHARGE FROM THE SITE AND UPSTREAM DRAINAGE AREA, UP TO THE LIMITS OF ANALYSIS (SEE THIS SHEET FOR OUTFALL MAP AND SUPPORTING INFORMATION ON THIS SHEET). ADDITIONALLY, THERE IS NOT EVIDENCE, BASED ON REVIEW OF AVAILABLE RECORDS, THAT LOCALIZED FLOODING OCCURS DURING THE 10-YEAR, 24-HOUR STORM. THEREFORE, DETENTION IS NOT REQUIRED FOR THE PURPOSES OF FLOOD CONTROL.

**FLOOD PROTECTION:** BASED ON THIS, IT IS THE OPINION OF THE SUBMITTING ENGINEER THAT THE SITE COMPLIES WITH THE FLOOD PROTECTION CRITERIA OUTLINED IN THE STATE STORMWATER REGULATIONS (9VAC25-870-66).



**SITE DRAINAGE MAP**  
SCALE: 1" = 40'

**PIPE CAPACITY INFORMATION**

DRAINAGE AREA TO 8'X8' BOX CULVERT = 200 ACRES±  
CN = 90  
Q(10) = 1,184 CFS±

CAPACITY OF 8'X8' BOX CULVERT = \*1,635 CFS±

\*THE PROPOSED CAPACITY OF THE 8'X8' BOX CULVERT WILL BE GREATER THAN THE ESTIMATED FLOW RECEIVED BY THE CULVERT.

**PRELIMINARY OUTFALL ANALYSIS**



Engineers • Surveyors • Planners  
Landscape Architects • Arborists  
207 PARK AVENUE  
FALLS CHURCH, VIRGINIA 22046  
(703) 532-6163 Fax (703) 533-1301  
www.WLPINC.com

**ARLINGTON, VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL SERVICES**  
**WASHINGTON BOULEVARD AT KIRKWOOD**  
3411, 3415, & 3421 WASHINGTON BLVD  
& 1122 NORTH KIRKWOOD ROAD  
ARLINGTON COUNTY, VIRGINIA

SCALE: 1" = 40'	DRAWN TPB	CHECKED KSW
SUBMITTED DATE CONCEPT PLAN SUB. 12/14/2017	APPROVED DATE	APPROVED DATE
1ST PRELIM. 4.1 SITE PLAN SUB. 02/21/2018	CHIEF TRANSPORTATION PLANNING BUREAU	CHIEF TRANSPORTATION ENGINEERING BUREAU
2ND PRELIM. 4.1 SITE PLAN SUB. 04/27/2018	APPROVED DATE	APPROVED DATE
APPROVED DATE	CHIEF WATER, SEWER & STREETS BUREAU	CHIEF ENGINEERING BUREAU
		DIRECTOR OF ENVIRONMENTAL SERVICES

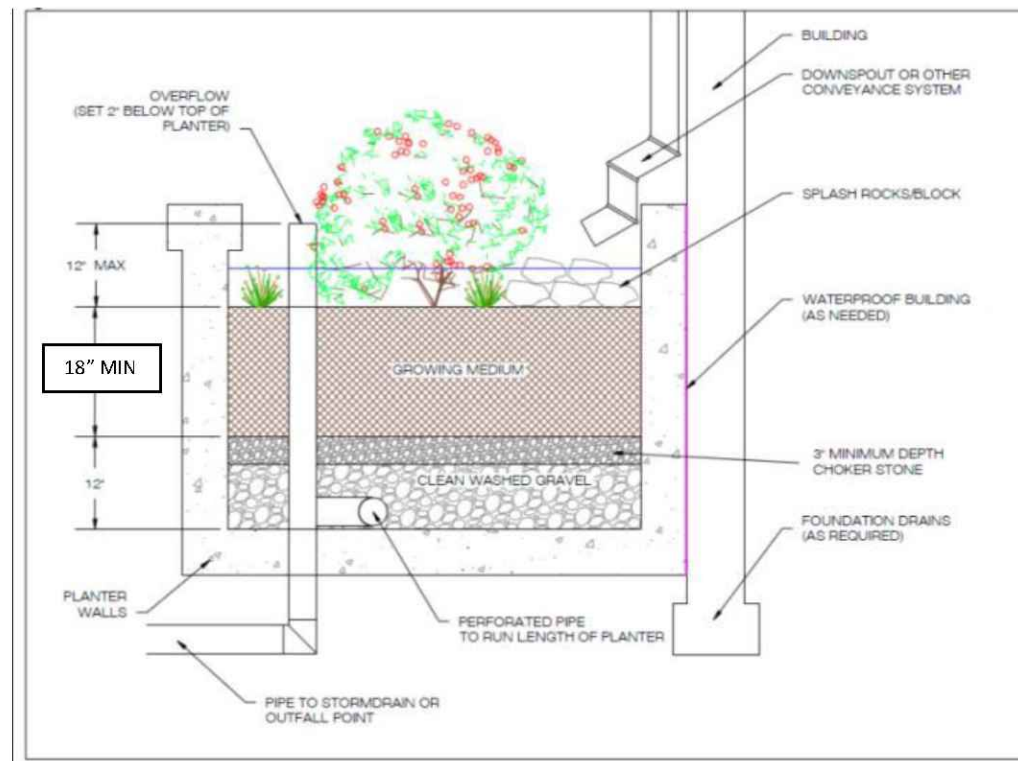




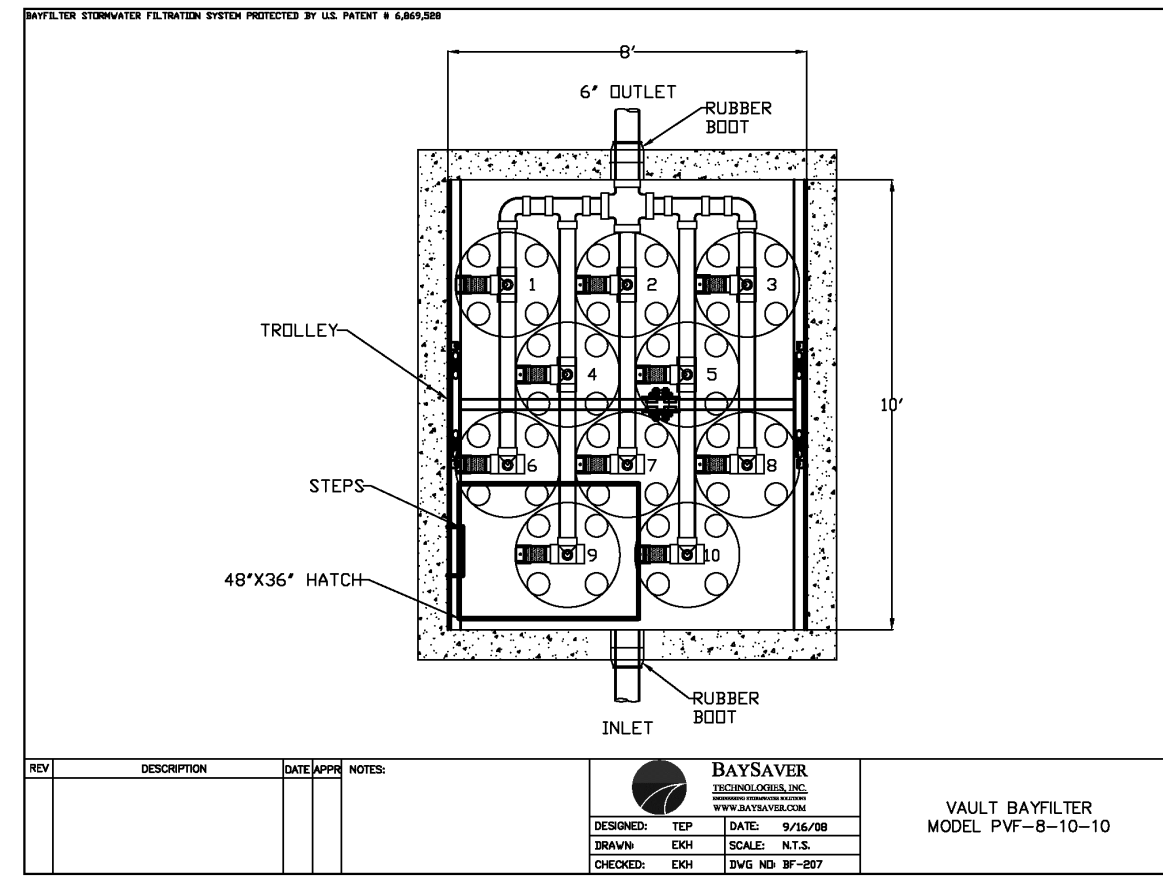


**TYPICAL DETAILS**

**URBAN BIO-RETENTION**



**BAYFILTER VAULT**



**OVERALL SITE RUNOFF HYDROGRAPHS**

**PRE-DEVELOPMENT**

<b>PRE-DEVELOPMENT</b>		<b>PRE-DEVELOPMENT</b>		
Hydrograph type = SCS Runoff	Peak discharge = 6.751 cfs	Hydrograph type = SCS Runoff	Peak discharge = 8.015 cfs	
Storm frequency = 1 yrs	Time to peak = 716 min	Storm frequency = 2 yrs	Time to peak = 716 min	
Time interval = 2 min	Hyd. volume = 14,898 cuft	Time interval = 2 min	Hyd. volume = 17,897 cuft	
Drainage area = 1,948 ac	Curve number = 96	Drainage area = 1,948 ac	Curve number = 96	
Basin Slope = 0.0 %	Hydraulic length = 0 ft	Basin Slope = 0.0 %	Hydraulic length = 0 ft	
Tc method = User	Time of conc. (Tc) = 5.00 min	Tc method = User	Time of conc. (Tc) = 5.00 min	
Total precip. = 2.69 in	Distribution = Type II	Total precip. = 3.15 in	Distribution = Type II	
Storm duration = 24 hrs	Shape factor = 484	Storm duration = 24 hrs	Shape factor = 484	

**POST-DEVELOPMENT**

<b>POST-DEVELOPMENT</b>		<b>POST-DEVELOPMENT</b>		
Hydrograph type = SCS Runoff	Peak discharge = 6.751 cfs	Hydrograph type = SCS Runoff	Peak discharge = 8.015 cfs	
Storm frequency = 1 yrs	Time to peak = 716 min	Storm frequency = 2 yrs	Time to peak = 716 min	
Time interval = 2 min	Hyd. volume = 14,898 cuft	Time interval = 2 min	Hyd. volume = 17,892 cuft	
Drainage area = 1,948 ac	Curve number = 96	Drainage area = 1,948 ac	Curve number = 96	
Basin Slope = 0.0 %	Hydraulic length = 0 ft	Basin Slope = 0.0 %	Hydraulic length = 0 ft	
Tc method = User	Time of conc. (Tc) = 5.00 min	Tc method = User	Time of conc. (Tc) = 5.00 min	
Total precip. = 2.69 in	Distribution = Type II	Total precip. = 4.84 in	Distribution = Type II	
Storm duration = 24 hrs	Shape factor = 484	Storm duration = 24 hrs	Shape factor = 484	

**OVERALL SITE CURVE NUMBERS**

**PRE-DEVELOPMENT**

CURVE NUMBER = 96 (SEE SHEET C-0702)

**POST-DEVELOPMENT**

Drainage Area A		A Soils	B Soils	C Soils	D Soils	Total Area (acres):	1.9479
Forest/Open Space -- undisturbed, protected forest/open space or reforested land	Area (acres)	0.0000	0.0000	0.0000	0.0000	Runoff Reduction	
	CN	30	55	70	77	Volume (ft <sup>3</sup> ):	799.5833
Managed Turf -- disturbed, graded for yards or other turf to be mowed/managed	Area (acres)	0.0000	0.0000	0.0000	0.1604		
	CN	39	61	74	80		
Impervious Cover	Area (acres)	0.0000	0.0000	0.0000	1.7875		
	CN	98	98	98	98		
CN(D.A.A)							
97							
<b>RV<sub>Developed</sub> (watershed-inch) with no Runoff Reduction*</b>		1-year storm	2-year storm	10-year storm			
		2.3514	2.8070	4.4877	1-year storm	2-year storm	10-year storm
<b>RV<sub>Developed</sub> (watershed-inch) with Runoff Reduction*</b>		2.2383	2.6939	4.3746	2.69	3.15	4.84
<b>Adjusted CN*</b>		96	96	96	Use NOAA Atlas 14 ( <a href="http://hdsc.nws.noaa.gov/hdsc/pfds/">http://hdsc.nws.noaa.gov/hdsc/pfds/</a> )		

**WATER QUANTITY NARRATIVE**

THE SITE DRAINS FROM SOUTH TO NORTH AND DISCHARGES AS CONCENTRATED FLOW AT A SINGLE OUTFALL, AN 84" RCP STORM SEWER. THE SITE OUTFALL POINT ALSO SERVES AS THE LIMITS OF ANALYSIS FOR BOTH CHANNEL PROTECTION AND FLOOD CONTROL SINCE THE UPSTREAM DRAINAGE AREA TO THE SITE IS GREATER THAN 100 TIMES THE SITE AREA. STORMWATER FROM THE SITE ULTIMATELY DISCHARGES INTO THE POTOMAC RIVER. SEE SHEET C-0703 FOR OUTFALL MAPS AND ANALYSIS.

**CHANNEL PROTECTION:** THE SITE STORM OUTFALL AND ALL PIPES PROPOSED WITH THIS DEVELOPMENT WILL BE COMPRISED OF CONCRETE OR OTHER NON-ERODIBLE MATERIALS UP TO THE LIMITS OF ANALYSIS. THEREFORE, THE SITE CAN DISCHARGE THE 2-YEAR, 24-HOUR STORM WITHOUT CAUSING EROSION IN THE SYSTEM AND DETENTION IS NOT REQUIRED FOR THE PURPOSES OF CHANNEL PROTECTION.

BASED ON THIS ANALYSIS, IT IS THE OPINION OF THE SUBMITTING ENGINEER THAT THE SITE COMPLIES WITH THE CHANNEL PROTECTION CRITERIA OUTLINED IN THE STATE STORMWATER REGULATIONS (9VAC25-870-66).

**FLOOD PROTECTION:** THE SITE STORM OUTFALL AND ALL PIPES PROPOSED WITH THIS DEVELOPMENT WILL BE ADEQUATE TO RECEIVE THE 10-YEAR, 24-HOUR STORMWATER DISCHARGE FROM THE SITE AND UPSTREAM DRAINAGE AREA, UP TO THE LIMITS OF ANALYSIS (SEE SHEET C-0703 FOR OUTFALL MAP AND SUPPORTING INFORMATION ON THIS SHEET). ADDITIONALLY, THERE IS NO EVIDENCE, BASED ON REVIEW OF AVAILABLE RECORDS, THAT LOCALIZED FLOODING OCCURS DURING THE 10-YEAR, 24-HOUR STORM. THEREFORE, DETENTION IS NOT REQUIRED FOR THE PURPOSES OF FLOOD CONTROL.

BASED ON THIS, IT IS THE OPINION OF THE SUBMITTING ENGINEER THAT THE SITE COMPLIES WITH THE FLOOD PROTECTION CRITERIA OUTLINED IN THE STATE STORMWATER REGULATIONS (9VAC25-870-66).

NOTE THAT IMPLEMENTATION OF RUNOFF REDUCTION PRACTICES ON THIS SITE WILL BRING THE POST-DEVELOPMENT FLOW RATE DOWN TO PRE-DEVELOPMENT CONDITIONS.

NOTE: SEE SHEET C-0703 FOR OUTFALL ANALYSIS.

**PRELIMINARY SWM COMPUTATIONS**

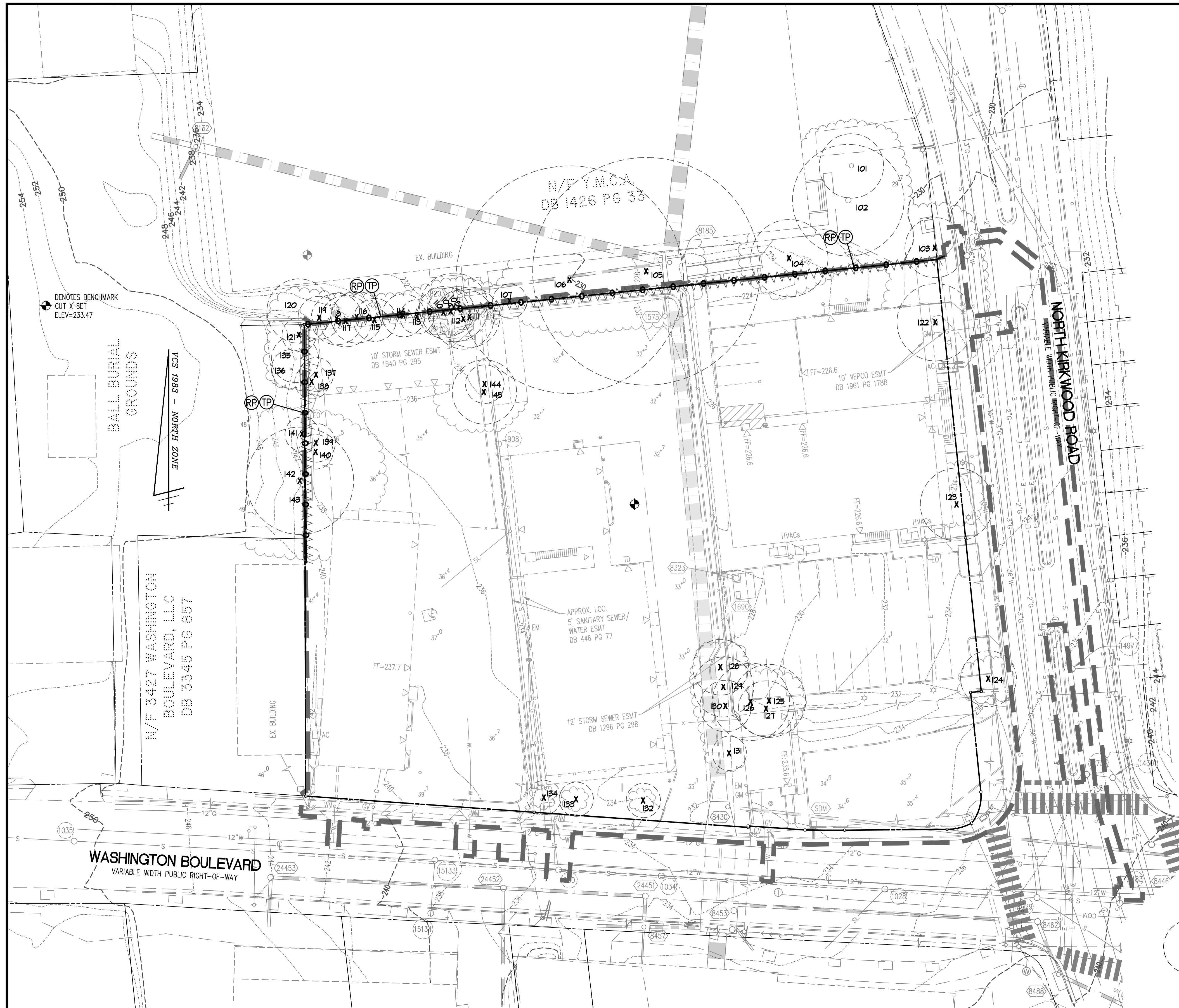
**WALTER L. PHILLIPS INCORPORATED** ESTABLISHED 1945  
 Engineers • Surveyors • Planners  
 Landscape Architects • Arborists  
 207 PARK AVENUE  
 FALLS CHURCH, VIRGINIA 22046  
 (703) 532-6163 Fax (703) 533-1301  
 www.WLPINC.com

**ARLINGTON, VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL SERVICES**  
**WASHINGTON BOULEVARD AT KIRKWOOD**  
 3411, 3415, & 3421 WASHINGTON BLVD  
 & 1122 NORTH KIRKWOOD ROAD  
 ARLINGTON COUNTY, VIRGINIA

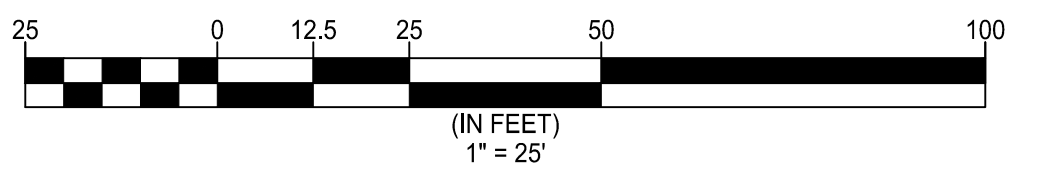
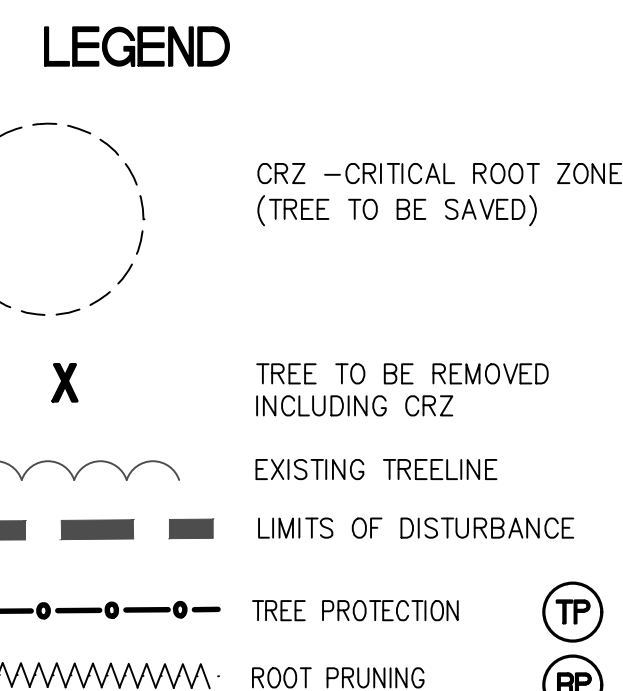


SCALE: 1" = 25'	DRAWN: TPB	CHECKED: KSW
SUBMITTED DATE: 12/14/2017	APPROVED DATE:	APPROVED DATE:
CONCEPT PLAN SUB.	1ST PRELIM. 4.1 SITE PLAN SUB. 02/21/2018	CHIEF TRANSPORTATION PLANNING BUREAU
2ND PRELIM. 4.1 SITE PLAN SUB. 04/27/2018	APPROVED DATE:	CHIEF TRANSPORTATION ENGINEERING BUREAU
APPROVED DATE:		APPROVED DATE:
CHIEF WATER, SEWER & STREETS BUREAU	CHIEF ENGINEERING BUREAU	DIRECTOR OF ENVIRONMENTAL SERVICES

SHEET: **C-0705**



NOTES:  
 1. OFFSITE TREES ARE SHOWN TO BE REMOVED BECAUSE OF THE PROPOSED DEVELOPMENT.  
 2. SEE SHEET C-1202 FOR REPLACEMENT CALCULATIONS.



Tree #	Botanical Name	Common Name	Size DBH (in)	Critical Root Zone (CRZ) Radius (ft)	Species Rating (%)	Condition (%)	Removal	Tree Protection Fence	Root Prune	Notes
Tree Survey Information Completed by Walter Phillips, Inc - Arborist Ben Schitter- ISA # MA-5385A #14-044 2/2/2018										
101	Quercus phellos	Willow oak	15'	15'	75%	69%		X	X	OFFSITE
102	Quercus phellos	Willow oak	26"	26'	75%	72%		X	X	OFFSITE
103	Lagerstroemia indica	Crape Myrtle	14"	14'	78%	63%	X			under Power lines, offsite
104	Magnolia grandiflora	Southern magnolia	18"	18'	70%	63%	X			OFFSITE
105	Quercus phellos	Willow oak	35"	53'	75%	69%	X			OFFSITE
106	Quercus phellos	Willow oak	35"	53'	75%	69%	X			OFFSITE
107	Catalpa speciosa	Northern catalpa	4"	8'	60%	50%	X			OFFSITE
108	Robinia pseudoacacia	Black locust	16"	16'	55%	50%	X			OFFSITE
109	Catalpa speciosa	Northern catalpa	11"	11'	60%	59%	X			
110	Catalpa speciosa	Northern catalpa	12"	12'	60%	59%	X			
111	Catalpa speciosa	Northern catalpa	14"	14'	60%	59%	X			
112	Catalpa speciosa	Northern catalpa	14"	14'	60%	59%	X			
113	Catalpa speciosa	Northern catalpa	8"	8'	60%	56%	X			
114	Catalpa speciosa	Northern catalpa	10"	10'	60%	56%	X			
115	Catalpa speciosa	Northern catalpa	10"	10'	60%	56%	X			
116	Catalpa speciosa	Northern catalpa	12"	12'	60%	56%	X			OFFSITE
117	Catalpa speciosa	Northern catalpa	12"	12'	60%	56%	X			
118	Catalpa speciosa	Northern catalpa	12"	12'	60%	56%	X			OFFSITE
119	Robinia pseudoacacia	Black locust	10"	10'	55%	50%	X			OFFSITE
120	Robinia pseudoacacia	Black locust	15"	15'	55%	56%		X	X	OFFSITE
121	Catalpa speciosa	Northern catalpa	8"	8'	60%	50%	X			OFFSITE
122	Magnolia grandiflora	Southern magnolia	18"	18'	70%	63%	X			close to bldg
123	Magnolia grandiflora	Southern magnolia	17"	17'	70%	63%	X			close to bldg
124	Tilia cordata	Littleleaf linden	13"	13'	73%	59%	X			under power lines, ROW
125	Morus alba	White mulberry	17"	17'	30%	50%	X			twin
126	Morus alba	White mulberry	18"	18'	30%	50%	X			twin
127	Juglans nigra	Black walnut	13"	13'	68%	56%	X			
128	Pyrus calleryana	Callery pear	13"	13'	20%	56%	X			topped
129	Pyrus calleryana	Callery pear	14"	14'	20%	56%	X			topped
130	Pyrus calleryana	Callery pear	12"	12'	20%	56%	X			topped
131	Cornus florida	Flowering dogwood	8"	8'	60%	66%	X			
132	Cornus florida	Flowering dogwood	6"	8'	60%	66%	X			
133	Cornus florida	Flowering dogwood	5"	8'	60%	66%	X			
134	Cornus florida	Flowering dogwood	4"	8'	60%	66%	X			
135	Catalpa speciosa	Northern catalpa	11"	11'	60%	59%		X	X	OFFSITE
136	Catalpa speciosa	Northern catalpa	9"	9'	60%	59%		X	X	OFFSITE
137	Catalpa speciosa	Northern catalpa	8"	8'	60%	50%	X			
138	Catalpa speciosa	Northern catalpa	5"	8'	60%	59%	X			
139	Robinia pseudoacacia	Black locust	9"	9'	55%	6%	X			
140	Catalpa speciosa	Northern catalpa	4"	8'	60%	59%	X			
141	Acer rubrum	Red maple	4"	8'	70%	59%	X			OFFSITE
142	Catalpa speciosa	Northern catalpa	25"	25'	80%	59%	X			cluster, OFFSITE
143	Dead	Dead	4"	0'	0%	0%		X	X	OFFSITE
144	Catalpa speciosa	Northern catalpa	9"	9'	60%	59%		X	X	OFFSITE
145	Catalpa speciosa	Northern catalpa	15"	15'	60%	59%		X	X	OFFSITE, twin

DBH = Diameter at Breast Height (measured 4.5 feet above ground)  
 CRZ = Critical Root Zone = 1 foot radius per inch of tree diameter, trees over 30" DBH = 1.5 foot radius per inch of tree diameter  
 CRZ values for trees with multiple stems were calculated based on methods outlined in the 9th edition of the Guide for Plant Appraisal, published by the U.S.A.  
 Condition Ratings provided as percentages based on methods outlined in the 9th edition of the Guide for Plant Appraisal, published by

**TREE INVENTORY AND PRESERVATION PLAN**

**WALTER L. PHILLIPS INCORPORATED** ESTABLISHED 1945

Engineers • Surveyors • Planners  
 Landscape Architects • Arborists  
 207 PARK AVENUE  
 FALLS CHURCH, VIRGINIA 22046  
 (703) 532-6163 Fax (703) 533-1301  
 www.WLPINC.com

**ARLINGTON, VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL SERVICES**  
**WASHINGTON BOULEVARD AT KIRKWOOD**  
 3411, 3415, & 3421 WASHINGTON BLVD  
 & 1122 NORTH KIRKWOOD ROAD  
 ARLINGTON COUNTY, VIRGINIA

SCALE: 1" = 25'	DRAWN: TPB	CHECKED: KSW
SUBMITTED DATE: CONCEPT PLAN SUB. 12/14/2017	APPROVED DATE:	APPROVED DATE:
1ST PRELIM. 4.1 SITE PLAN SUB. 02/21/2018	CHEIF TRANSPORTATION PLANNING BUREAU	CHEIF TRANSPORTATION ENGINEERING BUREAU
2ND PRELIM. 4.1 SITE PLAN SUB. 04/27/2018	APPROVED DATE:	APPROVED DATE:
APPROVED DATE:	CHEIF WATER, SEWER & STREETS BUREAU	DIRECTOR OF ENVIRONMENTAL SERVICES
	CHEIF ENGINEERING BUREAU	



- have a pH between 5.2 and 7.5 (a narrower range may be specified for particular plant material)
- have an organic matter content not less than 3%
- have low salinity as indicated by an electrical conductivity of less than 4.0 mmhos/cm
- be free of debris, stones, gravel, trash, large sticks, heavy metals, and other deleterious contaminants, (if screening is used to remove debris, screen size must be 1/2 inch or larger).
- have a nutrient profile such that it is able to support plant growth
- be free of noxious weed seeds

### 3.2 Compost

Compost feedstock shall be leaves, yardwaste, or foodwaste. Biosolid-based composts shall not be used. A compost sample with analysis shall be submitted for approval to the client before application.

Stability refers to the rate of biological breakdown, measured by carbon dioxide release. Maturity refers to completeness of the aerobic composting process and suitability (lack of plant toxicity) as a plant growth media, often measured by ammonia release and by plant growth tests. Compost manufacturers that subscribe to the US Composting Council's testing program may document stability as compost testing 7 or below in accordance with TMECC 05.08-B, "Carbon Dioxide Evolution Rate". Maturity (suitability for plant growth) may be documented as compost testing greater than 80% in accordance with TMECC 05.05-A, "Germination and Vigor". Compost is considered mature and stable if it tests at 6.0 or higher on the Solvita Compost Maturity Index Rating, which is a combination of Carbon Dioxide and Ammonia Maturity Tests (test information and equipment available at [www.solvita.com](http://www.solvita.com)).

Compost shall also:

- Free of weed seeds
- Free of heavy metals or other deleterious contaminants
- Have an EC of less than 4.0 mmhos/cm

### 3.3 Severely Disturbed Soil

Soil shall be considered severely disturbed if grade was lowered more than 14 inches OR soil was compacted in lifts regardless of the final grade.

## 4. SUBMITTALS

### 4.1 Soil Map

A soil map indicating soil areas to be protected and those to be restored via Soil Profile Rebuilding shall be submitted by the contractor for approval by the owner, arborist, or landscape architect before construction begins.

### 4.2 Compost

A compost sample with analysis certifying it is stable, mature, from acceptable feedstocks and free of contaminants and weed seeds shall be submitted for approval to the landscape architect or owner before compost is applied to the soil.

### 4.3 Topsoil

A topsoil sample with analysis from a certified testing laboratory and verification of source shall be submitted for approval to the landscape architect or owner before application. Separate documentation is required for each 100 cubic yards of topsoil unless otherwise approved by the landscape architect or owner.

## REFERENCES & PERMISSIONS

Use of this specification has been documented to increase tree canopy and soil carbon stores compared with typical practices. See [www.urbanforestry.frec.vt.edu/SRES](http://www.urbanforestry.frec.vt.edu/SRES) for more information.

Soil Profile Rebuilding Specification by Susan Day et al. is licensed under a Creative Commons Attribution-NonCommercial 3.0 United States License. It may be used freely as is, or modified. However use of the term "Soil Profile Rebuilding" should only be used when soil restoration is performed as described in this specification. See [www.urbanforestry.frec.vt.edu/SRES/specification.html](http://www.urbanforestry.frec.vt.edu/SRES/specification.html) for full details.

## 2.6 Replacement of topsoil

### 2.6.1 Standard procedure

Stockpiled topsoil, or additional topsoil if none is available from the site, shall be returned to the site to a 4 inch minimum depth (see Section 3.3 Definitions for definition of topsoil). If soil was severely disturbed (see definitions), a 6-8 inch minimum shall be replaced.

### 2.6.2 Modification if significant topsoil is already present before Profile Rebuilding is initiated

Case 1:  
At least four inches of topsoil is present on the site after construction activities are completed AND soil is not severely disturbed (see Section 3.3 Definitions for description of severely disturbed).

### Case 2:

Less than 4 inches of topsoil is present on site after construction activities were completed but before Profile Rebuilding is initiated, OR soil is severely disturbed (see Section 3.3 Definitions for description of severely disturbed).

**For Case 1:** A minimum of 3 inches additional topsoil shall be placed over the subsoiled layer before tilling.

**For Case 2:** Follow Section 2.6.1 Standard procedure, as if no topsoil had been present.

### 2.7 Tilling

Rototill topsoil to a depth of 6-8 inches when soil is neither dry nor very moist. Rototilling depth should cross the interface with the subsoiled layer by a minimum of 1 inch and can be verified with a random sampling with a push tube soil sampler.

### 2.8 Planting

Plant the site with woody plants, trees or shrubs, at a density that insure a minimum of 50% of the site will be occupied with roots within 10 years. Planting of at least one large stature tree (e.g., one that will mature at approximately 60-70 feet in height) or 20 medium stature shrubs per 5,000 sq. ft. shall be considered to achieve this.

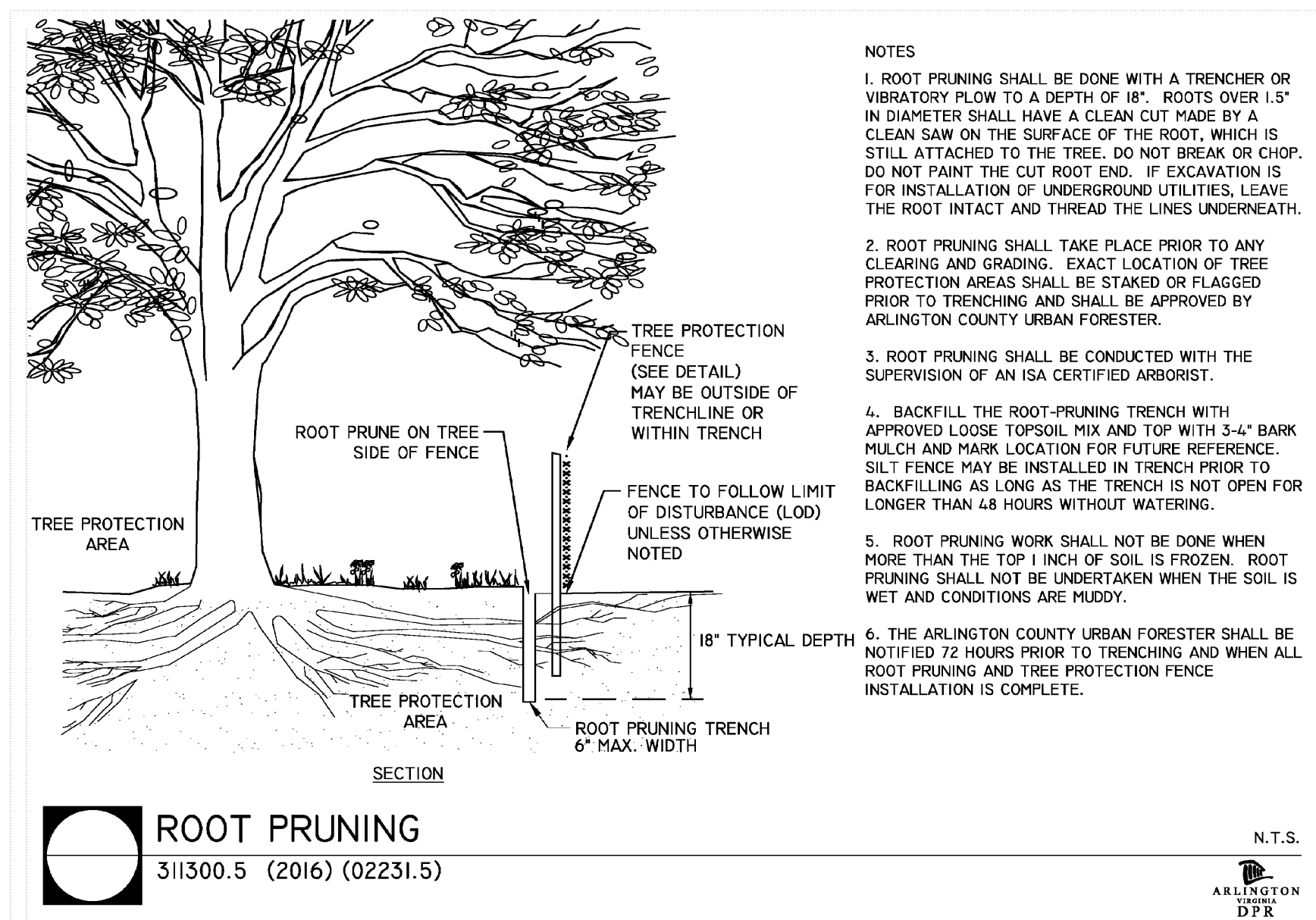
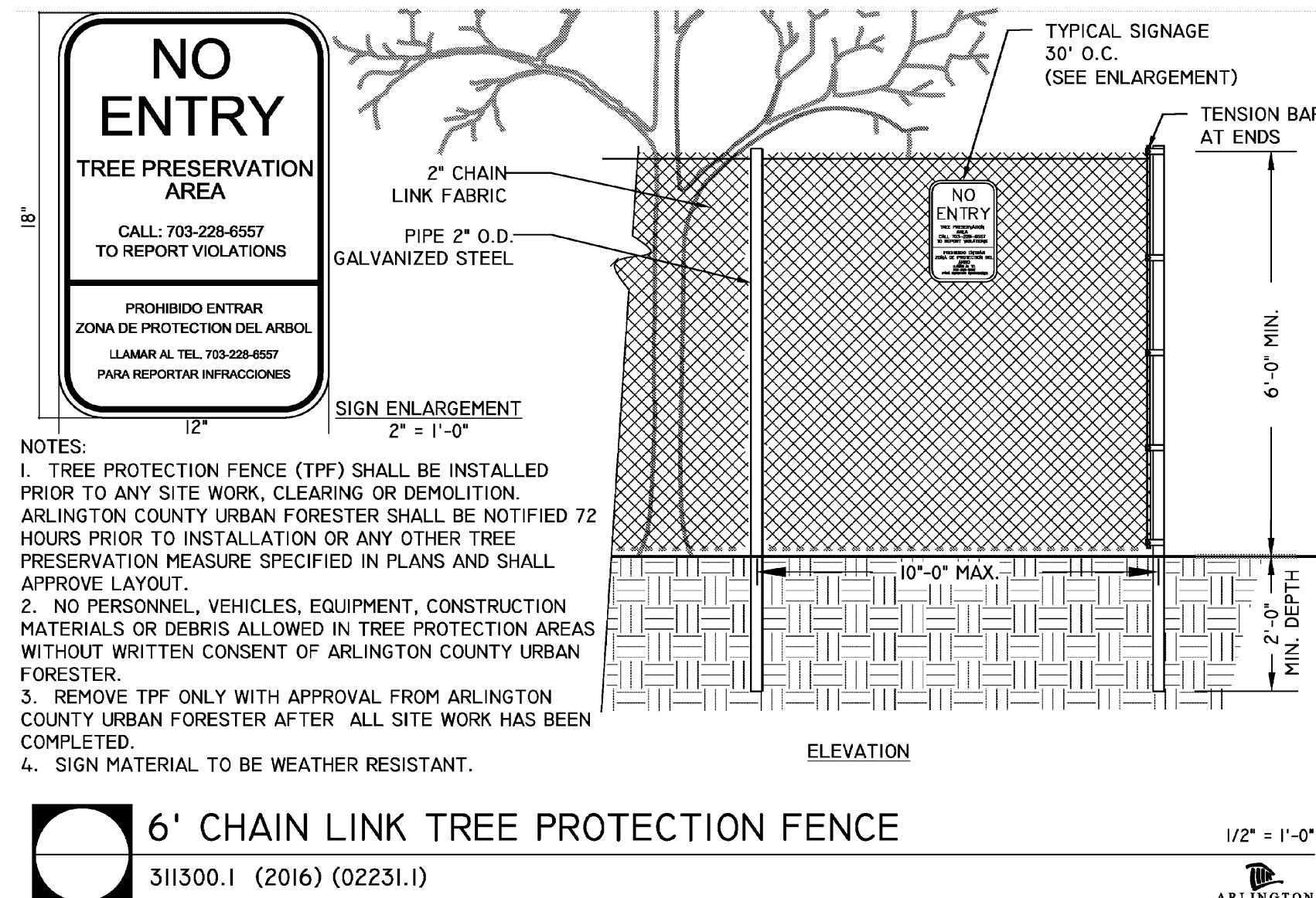
## 3. DEFINITIONS

### 3.1 Topsoil

Soil can be considered topsoil if it originates from an A horizon of a natural soil or is a mineral soil with 3% or greater organic matter content and a NRCs textural class similar to pre-development A horizon soils for the site or as specified by the owner, arborist, or landscape architect. Blended soils shall not be used unless specified by the owner, arborist, or landscape architect. In addition topsoil shall:

- Be friable and well drained

- BEFORE ANY GRADING, DEMOLITION, OR OTHER DISTURBANCE, TREE PROTECTION NEEDS TO BE INSTALLED PER PLAN, AND INSPECTED BY AN ARLINGTON COUNTY PARKS AND RECREATION URBAN FORESTER, EROSION AND SEDIMENT CONTROLS ARE INSPECTED BY THE DEPARTMENT OF ENVIRONMENTAL SERVICES.
- PLANTS SHALL BE FURNISHED AND INSTALLED AS INDICATED, INCLUDING ALL PLANTS, MATERIALS, AND EQUIPMENT.
- PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY; HAVE NORMAL GROWTH HABITS, WELL-DEVELOPED DENSELY FOLIATED BRANCHES, AND VIGOROUS ROOT SYSTEMS; AND BE FREE FROM DEFECTS AND INJURIES.
- PLANTS SHALL BE PLANTED ON THE DAY OF DELIVERY IF/WHEN PRACTICAL IN THE EVENT THAT THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT STOCK NOT PLANTED. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE-DAY PERIOD AFTER DELIVERY. ANY PLANTS NOT INSTALLED DURING THIS PERIOD SHALL BE REJECTED, UNLESS OWNER AND CONTRACTOR PROVIDE OTHERWISE BY WRITTEN AGREEMENT. ALL PLANTS KEPT ON SITE FOR ANY PERIOD OF TIME SHOULD BE WATERED AND CARED FOR USING ANSI A300 STANDARDS.
- PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES. PLANTS SHALL BE HANDLED FROM THE BOTTOM OF THE ROOT BALL ONLY.
- PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED IN TOP SOIL THAT IS IN MUDDY OR FROZEN CONDITION. LAWNS, TREES AND SHRUBS SHALL BE INSTALLED BETWEEN 03/15 AND 06/15 OR BETWEEN 09/15 AND 12/01. IF A PROJECT COMPLETION IS OUTSIDE OF THIS PLANTING PERIOD, CONTACT THE ARLINGTON COUNTY URBAN FORESTER TO OBTAIN A DEFERRAL OR APPROVAL FOR PLANTING OUT OF SEASON.
- NO PLANT, EXCEPT GROUNDCOVERS, SHALL BE PLANTED WITHIN TWO FEET OF A SIDEWALK.
- TREES AND SHRUBS SHALL BE PLANTED IN HOLES TWO TO THREE TIMES AS WIDE AND TO THE DEPTH OF THE ROOT BALL.
- PLANTS SHALL BE PLANTED IN IN SITU SOIL THAT IS THOROUGHLY WATERED.
- SET ALL PLANTS PLUMB AND STRAIGHT SET AT SUCH LEVEL THAT NORMAL OR NATURAL RELATIONSHIP BETWEEN THE PLANT AND THE GROUND SURFACE WILL BE ESTABLISHED. LOCATE THE PLANT IN THE CENTER OF THE PIT.
- INJURED ROOTS SHALL BE PRUNED TO CLEAN ENDS BEFORE PLANTING WITH CLEAN, SHARP TOOLS. THE LEADER OF TREES SHALL NOT BE CUT BACK.
- PRESERVED AND PLANTED TREES MUST BE INSPECTED AND APPROVED BY A DEPARTMENT OF PARKS AND RECREATION URBAN FORESTER.
- ALL DISTURBED AREAS SHALL BE TREATED WITH 4" TOP SOIL OR COMPOST AND SEEDED IN ACCORDANCE WITH PERMANENT STABILIZATION METHODS INDICATED ON SOIL EROSION AND SEDIMENT CONTROL SHEET AND/OR LANDSCAPE PLAN.



Tree Replacement Formula - Street Name, City, Virginia										
Tree #	Botanical Name	Common Name	Size DBH (in)	Species Rating (%)	Condition %	Total Score	Replacements	Removal		
Computations Completed by Walter L. Phillips, Arborist: Ben Schitter- ISA # MA-5385A										
101	Quercus phellos	Willow oak	15	0.75	0.69					
102	Quercus phellos	Willow oak	26	0.75	0.72					
103	Lagerstroemia indica	Crape Myrtle	14	0.78	0.63	6.9	2	X		
104	Magnolia grandiflora	Southern magnolia	18	0.7	0.63	7.9	2	X		
105	Quercus phellos	Willow oak	35	0.75	0.69	18.1	4	X		
106	Quercus phellos	Willow oak	35	0.75	0.69	18.1	4	X		
107	Catalpa speciosa	Northern catalpa	4	0.6	0.5	1.2	1	X		
108	Robinia pseudoacacia	Black locust	16	0.55	0.5	4.4	1	X		
109	Catalpa speciosa	Northern catalpa	11	0.6	0.59	3.9	1	X		
110	Catalpa speciosa	Northern catalpa	12	0.6	0.59	4.2	1	X		
111	Catalpa speciosa	Northern catalpa	14	0.6	0.59	5.0	1	X		
112	Catalpa speciosa	Northern catalpa	14	0.6	0.59	5.0	1	X		
113	Catalpa speciosa	Northern catalpa	8	0.6	0.56	2.7	1	X		
114	Catalpa speciosa	Northern catalpa	10	0.6	0.56	3.4	1	X		
115	Catalpa speciosa	Northern catalpa	10	0.6	0.56	3.4	1	X		
116	Catalpa speciosa	Northern catalpa	12	0.6	0.56	4.0	1	X		
117	Catalpa speciosa	Northern catalpa	12	0.6	0.56	4.0	1	X		
118	Catalpa speciosa	Northern catalpa	12	0.6	0.56	4.0	1	X		
119	Robinia pseudoacacia	Black locust	10	0.55	0.5	2.8	1	X		
120	Robinia pseudoacacia	Black locust	15	0.55	0.56					
121	Catalpa speciosa	Northern catalpa	8	0.6	0.5	2.4	1	X		
122	Magnolia grandiflora	Southern magnolia	18	0.7	0.63	7.9	2	X		
123	Magnolia grandiflora	Southern magnolia	17	0.7	0.63	7.5	2	X		
124	Tilia cordata	Littleleaf linden	13	0.73	0.59	5.6	2	X		
125	Morus alba	White mulberry	17	0.3	0.5	2.6	1	X		
126	Morus alba	White mulberry	18	0.3	0.5	2.7	1	X		
127	Juglans nigra	Black walnut	13	0.68	0.56	5.0	1	X		
128	Pyrus calleryana	Callery pear	13	0.2	0.56	1.5	1	X		
129	Pyrus calleryana	Callery pear	14	0.2	0.56	1.6	1	X		
130	Pyrus calleryana	Callery pear	12	0.2	0.56	1.3	1	X		
131	Cornus florida	Flowering dogwood	8	0.6	0.66	3.2	1	X		
132	Cornus florida	Flowering dogwood	6	0.6	0.66	2.4	1	X		
133	Cornus florida	Flowering dogwood	5	0.6	0.66	2.0	1	X		
134	Cornus florida	Flowering dogwood	4	0.6	0.66	1.6	1	X		
135	Catalpa speciosa	Northern catalpa	11	0.6	0.59					
136	Catalpa speciosa	Northern catalpa	9	0.6	0.59					
137	Catalpa speciosa	Northern catalpa	8	0.6	0.5	2.4	1	X		
138	Catalpa speciosa	Northern catalpa	5	0.6	0.59	1.8	1	X		
139	Robinia pseudoacacia	Black locust	9	0.55	0.06	0.3	1	X		
140	Catalpa speciosa	Northern catalpa	4	0.6	0.59	1.4	1	X		
141	Acer rubrum	Red maple	4	0.7	0.59	1.7	1	X		
142	Catalpa speciosa	Northern catalpa	25	0.6	0.59	8.9	2	X		
143	Dead	Dead	4	0	0					
144	Catalpa speciosa	Northern catalpa	9	0.6	0.59					
145	Catalpa speciosa	Northern catalpa	15	0.6	0.59					
<b>TOTAL REPLACEMENTS</b>								<b>49</b>		

NOTE:  
(3) TREES TO BE PLANTED ON NEIGHBORING SITE (BALL BURIAL GROUNDS) TO REPLACE TREES #142 & #121.  
  
(17) TREES TO BE PLANTED ON NEIGHBORING SITE (YMCA) TO REPLACE TREES #103, 104, 105, 106, 107, 108, 116, 118, 119.

RATING:	1-4.9	=	1 TREE
	5-9.9	=	2 TREES
	10-14.9	=	3 TREES
	15-19.9	=	4 TREES
	20-24.5	=	5 TREES
	25+	=	6 TREES

## TREE PRESERVATION NOTES

Engineers • Surveyors • Planners  
Landscape Architects • Arborists  
207 PARK AVENUE  
FALLS CHURCH, VIRGINIA 22046  
(703) 532-6163 Fax (703) 533-1301  
[www.WLPINC.com](http://www.WLPINC.com)

---

**ARLINGTON, VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL SERVICES**  
**WASHINGTON BOULEVARD AT KIRKWOOD**  
3411, 3415, & 3421 WASHINGTON BLVD  
& 1122 NORTH KIRKWOOD ROAD  
ARLINGTON COUNTY, VIRGINIA

---

SCALE: 1" = 25'	DRAWN: TPB	CHECKED: KSW
SUBMITTED DATE: 12/14/2017 CONCEPT PLAN SUB. 12/14/2017 1ST PRELIM. 4.1 SITE PLAN SUB. 02/21/2018 2ND PRELIM. 4.1 SITE PLAN SUB. 04/27/2018	APPROVED DATE: [Signature]	APPROVED DATE: [Signature]
APPROVED DATE: [Signature]	CHIEF TRANSPORTATION PLANNING BUREAU	CHIEF TRANSPORTATION ENGINEERING BUREAU
CHIEF WATER, SEWER & STREETS BUREAU	CHIEF ENGINEERING BUREAU	DIRECTOR OF ENVIRONMENTAL SERVICES

SHEET: **C-1202**



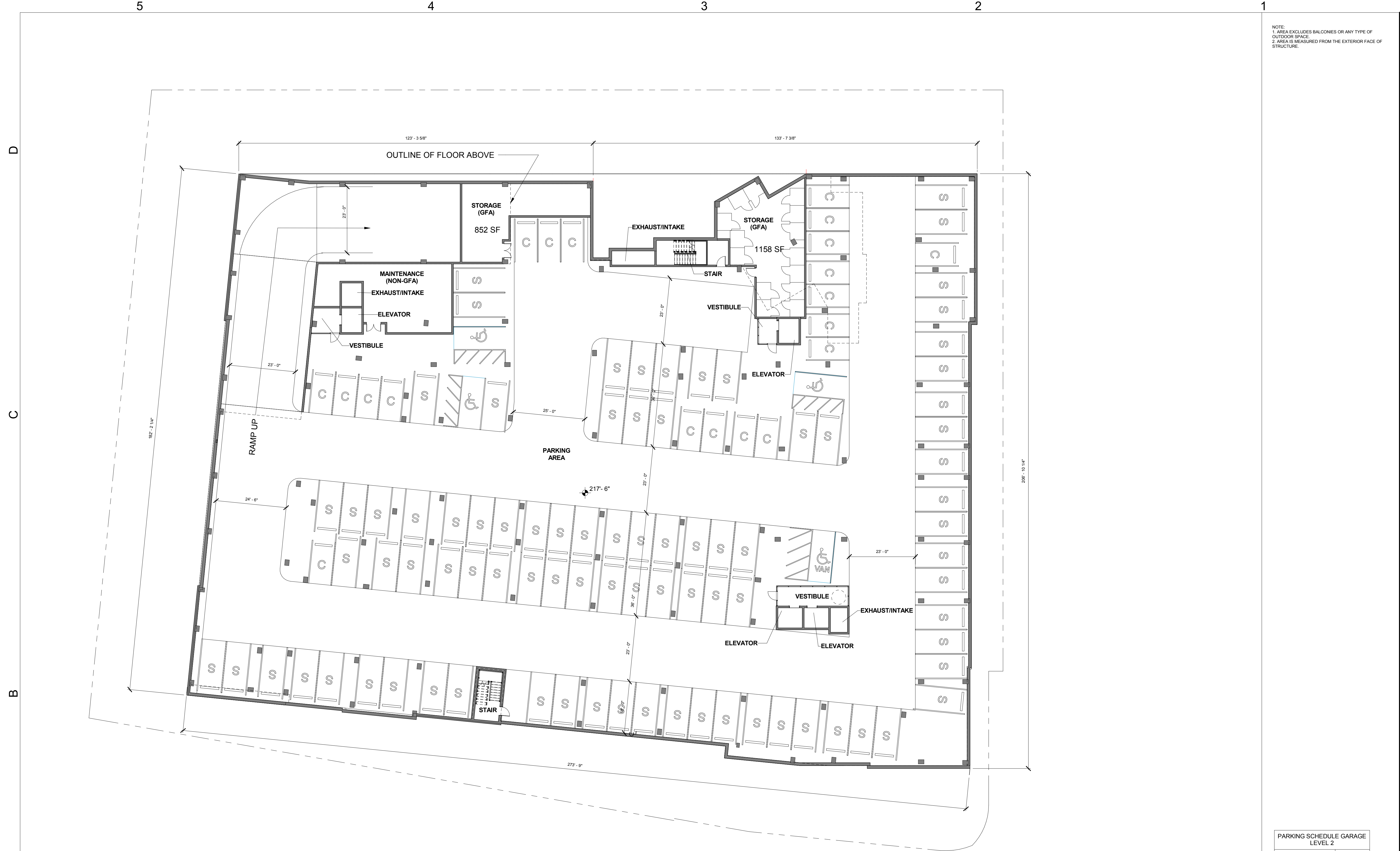
WASHINGTON at  
 KIRKWOOD

ARLINGTON, VA

REVISION	DATE	DESCRIPTION
ADDENDA OR MODIFICATION		
ISSUE	DATE	DESCRIPTION

PROJECT NO: 4098-001  
 PRINT DATE: 04.26.18

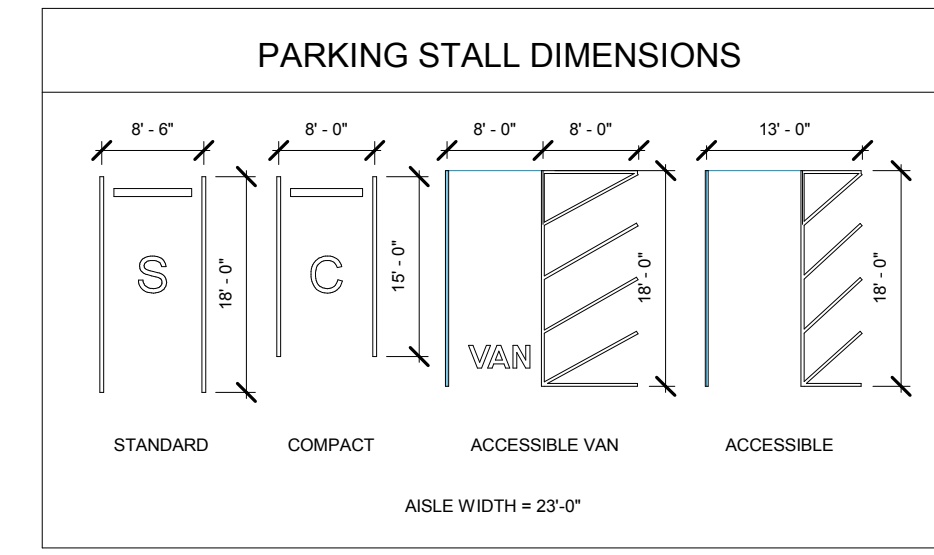
NOTE:  
 1. AREA EXCLUDES BALCONIES OR ANY TYPE OF OUTDOOR SPACE.  
 2. AREA IS MEASURED FROM THE EXTERIOR FACE OF STRUCTURE.



1 GARAGE LEVEL 02 PLAN  
 1/16" = 1'-0"

BUILDING USES / SF	BUILDING FLOOR										GSF	GFA
	G2	G1	R1 (UPPER+LOWER)	R2	R3	R4	R5	R6	PH			
GARAGE PARKING	45880	43374	1257								89254	
BIKE PARKING			1257								1257	
STORAGE	2010	2347	4823	54	54	54	54	54			4627	4627
LOADING/TRASH/SERVICES AREAS	2300	2476	4823								9599	
CIRCULATION/ COMMON AREAS			5100	7140	7140	7140	7140	7140			40800	40800
DOG SPA			671								671	671
RESIDENTIAL			20825	33917	33917	33917	33917	33917			190410	190410
LOBBY AMENITIES			8143								8143	8143
PENTHOUSE								450			450	450
TOTAL BUILDING AREAS	50190	48197	40819	41111	41111	41111	41111	41111	450		345211	245101
FLOOR ELEVATION	217'-6"	227'-6"	237'-6"	254'-2"	264'-10"	275'-6"	286'-2"	296'-10"	312'-8"			

ALL GARAGE FLOOR AREA IS NON-GFA U.N.O.

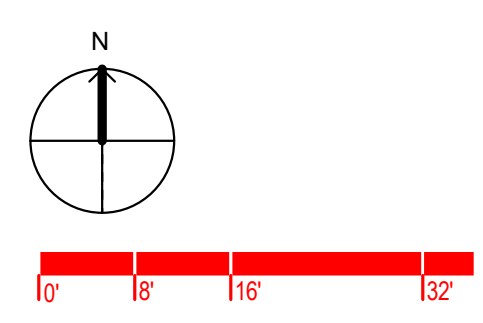


PARKING SCHEDULE GARAGE LEVEL 2

TYPE	COUNT
ACCESSIBLE	3
ACCESSIBLE VAN	1
COMPACT	20
STANDARD	85
Grand total:	109

BUILDING PARKING SCHEDULE

LEVEL	COUNT
GARAGE LEVEL 2	109
GARAGE LEVEL 1	92
	201



SHEET TITLE  
**GARAGE LEVEL 02 PLAN**

SHEET IDENTIFIER  
**A-100**

4/20/18 11:57:25 AM C:\Users\logan\OneDrive\Documents\2017\_17\_garage.nwd

WASHINGTON at  
 KIRKWOOD

ARLINGTON, VA

REVISION	DATE	DESCRIPTION
ADDENDA OR MODIFICATION		
ISSUE	DATE	DESCRIPTION

PROJECT NO: 4098-001  
 PRINT DATE: 04.26.18

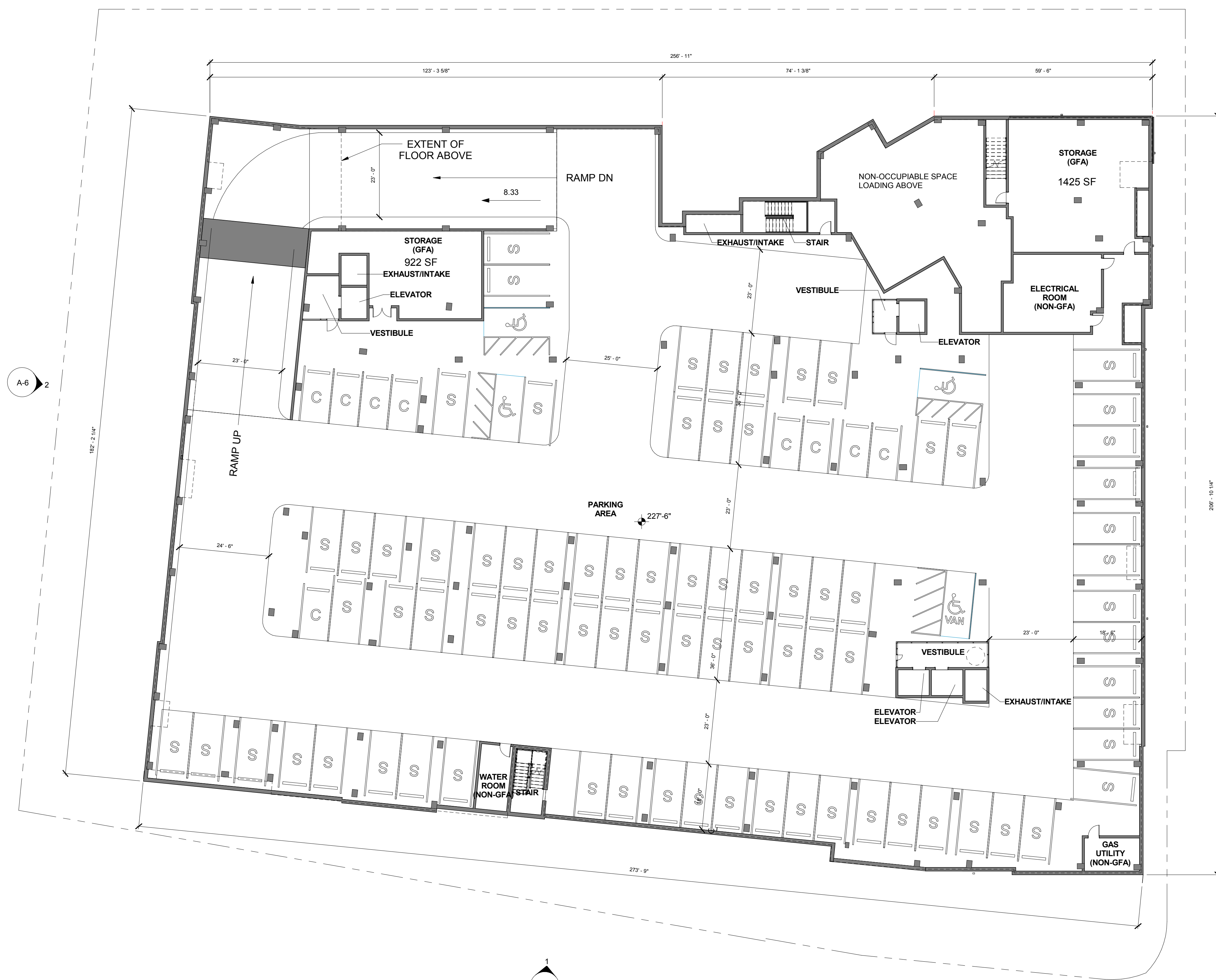
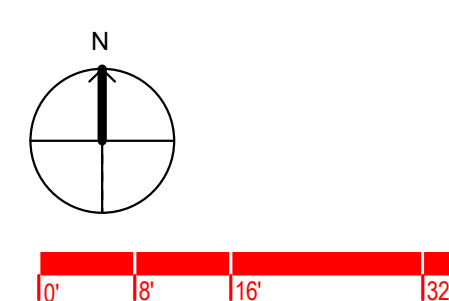
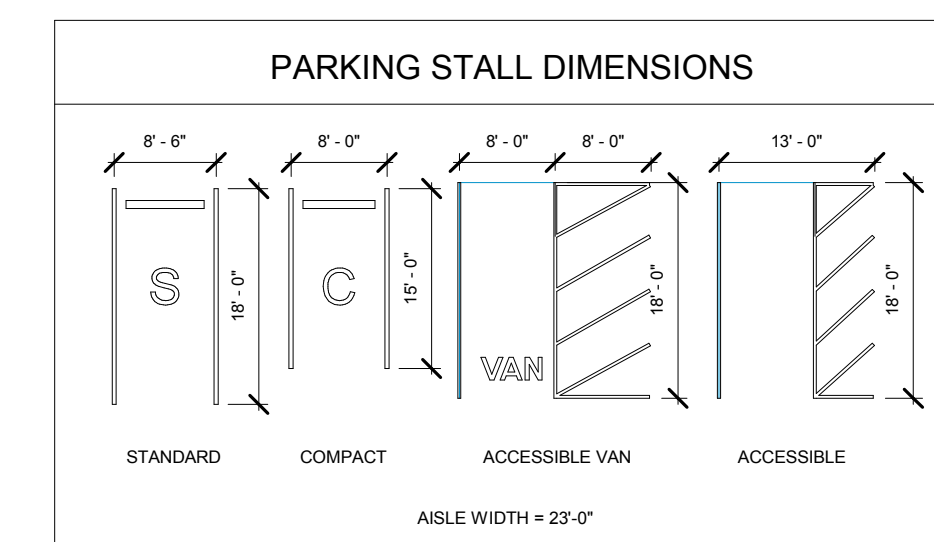
TENANT BICYCLE PARKING SPACES	
REQUIRED	100
PROVIDED	100

PARKING SCHEDULE GARAGE LEVEL 1		
Type	Comments	COUNT

ACCESSIBLE	3
ACCESSIBLE VAN	1
COMPACT	9
STANDARD	79
Grand total:	92

BUILDING PARKING SCHEDULE	
LEVEL	COUNT

GARAGE LEVEL 2	109
GARAGE LEVEL 1	92
	201



1 GARAGE LEVEL 01 PLAN  
 1/16" = 1'-0"

BUILDING USES / SF	BUILDING FLOOR										GSF	GFA
	G2	G1	R1 (UPPER+LOWER)	R2	R3	R4	R5	R6	PH			
GARAGE PARKING	45880	43374	1257								89254	
BIKE PARKING			1257								1257	
STORAGE	2010	2347	4823	54	54	54	54	54			4627	4627
LOADING/TRASH/SERVICES AREAS	2300	2476	4823								9599	
CIRCULATION/ COMMON AREAS			5100	7140	7140	7140	7140	7140			40800	40800
DOG SPA			671								671	671
RESIDENTIAL			20825	33917	33917	33917	33917	33917			190410	190410
LOBBY AMENITIES			8143								8143	8143
PENTHOUSE									450		450	450
TOTAL BUILDING AREAS	50190	48197	40819	41111	41111	41111	41111	41111	450		345211	245101
FLOOR ELEVATION	217'-6"	227'-6"	237'-6"	254'-2"	264'-10"	275'-6"	286'-2"	296'-10"	312'-8"			

ALL GARAGE FLOOR AREA IS NON-GFA U.N.O.

4/26/2018 11:57:27 AM C:\Users\LocalAdmin\OneDrive\Documents\2017\_17\_2017.dwg

WASHINGTON at  
 KIRKWOOD

ARLINGTON, VA

REVISION	DATE	DESCRIPTION
		ADDENDA OR MODIFICATION
ISSUE	DATE	DESCRIPTION

PROJECT NO: 4098-001  
 PRINT DATE: 04.26.18

SHEET TITLE  
**FIRST FLOOR PLAN**

SHEET IDENTIFIER  
**A-102**

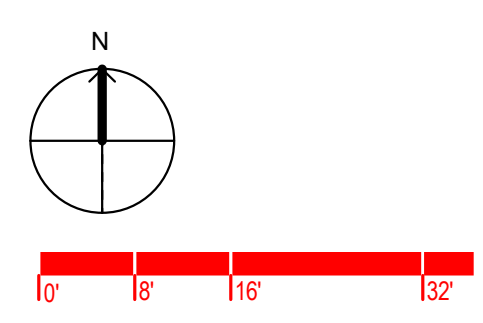
NOTE:  
 1. AREA EXCLUDES BALCONIES OR ANY TYPE OF OUTDOOR SPACE.  
 2. AREA IS MEASURED FROM THE EXTERIOR FACE OF STRUCTURE.



**1** FIRST FLOOR PLAN  
 1/16" = 1'-0"

BUILDING USES / SF	BUILDING FLOOR										GSF	GFA
	G2	G1	R1 (UPPER+LOWER)	R2	R3	R4	R5	R6	PH			
GARAGE PARKING	45880	43374	1257								89254	
BIKE PARKING											1257	
STORAGE	2010	2347	54	54	54	54	54	54			4627	4627
LOADING/TRASH/SERVICES AREAS	2300	2476	4823								9599	
CIRCULATION/ COMMON AREAS			5100	7140	7140	7140	7140	7140			40800	40800
DOG SPA			671								671	671
RESIDENTIAL			20825	33917	33917	33917	33917	33917			190410	190410
LOBBY AMENITIES			8143								8143	8143
PENTHOUSE									450		450	450
TOTAL BUILDING AREAS	50190	48197	40819	41111	41111	41111	41111	41111	450		345211	245101
FLOOR ELEVATION	217'-6"	227'-6"	237'-6"	254'-2"	264'-10"	275'-6"	286'-2"	296'-10"	312'-8"			

ALL FLOOR AREA IS GFA U.N.O. AS NON-GFA



4/20/18 11:57:31 AM C:\Users\logan\OneDrive\Documents\2017\_27\_givens.rvt

WASHINGTON at  
 KIRKWOOD

ARLINGTON, VA

REVISION	DATE	DESCRIPTION
ADDENDA OR MODIFICATION		
ISSUE	DATE	DESCRIPTION

PROJECT NO: 4098-001  
 PRINT DATE: 04.26.18

SHEET TITLE  
**SECOND FLOOR  
 PLAN (3-6 SIMILAR)**

SHEET IDENTIFIER  
**A-103**

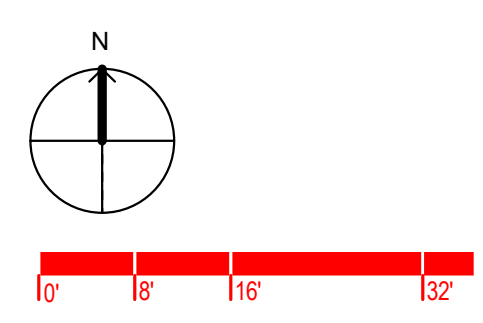
NOTE:  
 1. AREA EXCLUDES BALCONES OR ANY TYPE OF  
 OUTDOOR SPACE.  
 2. AREA IS MEASURED FROM THE EXTERIOR FACE OF  
 STRUCTURE.



**1** SECOND FLOOR PLAN (3-6 SIMILAR)  
 1/16" = 1'-0"

BUILDING USES / SF	BUILDING FLOOR										GSF	GFA
	G2	G1	R1 (UPPER+LOWER)	R2	R3	R4	R5	R6	PH			
GARAGE PARKING	45880	43374	1257								89254	
BIKE PARKING			1257								1257	
STORAGE	2010	2347		54	54	54	54	54			4627	4627
LOADING/TRASH/SERVICES AREAS	2300	2476	4823								9599	
CIRCULATION/ COMMON AREAS			5100	7140	7140	7140	7140	7140			40800	40800
DOG SPA			671								671	671
RESIDENTIAL			20825	33917	33917	33917	33917	33917			190410	190410
LOBBY AMENITIES			8143								8143	8143
PENTHOUSE									450		450	450
<b>TOTAL BUILDING AREAS</b>	<b>50190</b>	<b>48197</b>	<b>40819</b>	<b>41111</b>	<b>41111</b>	<b>41111</b>	<b>41111</b>	<b>41111</b>	<b>450</b>	<b>345211</b>	<b>245101</b>	
FLOOR ELEVATION	217'-6"	227'-6"	237'-6"	254'-2"	264'-10"	275'-6"	286'-2"	296'-10"	312'-8"			

ALL FLOOR AREA ON LEVELS 2-6 IS GFA



4/20/18 11:57:34 AM C:\Users\logan\OneDrive\Documents\2017\_17\_28\vwms.rvt

WASHINGTON at  
 KIRKWOOD

ARLINGTON, VA

REVISION	DATE	DESCRIPTION
ADDENDA OR MODIFICATION		
ISSUE	DATE	DESCRIPTION

PROJECT NO: 4098-001  
 PRINT DATE: 04.26.18

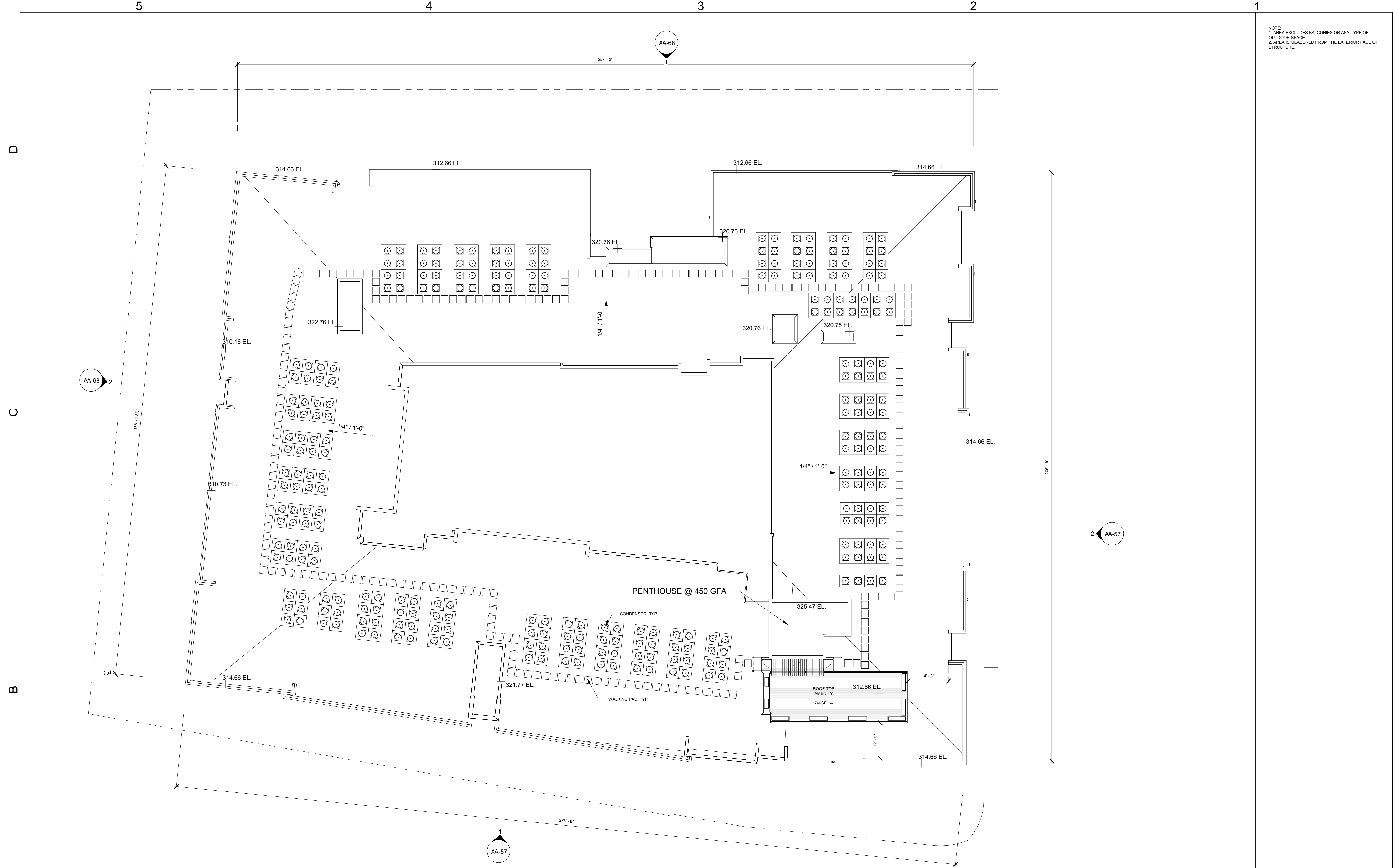
SHEET TITLE

ROOF PLAN

SHEET IDENTIFIER

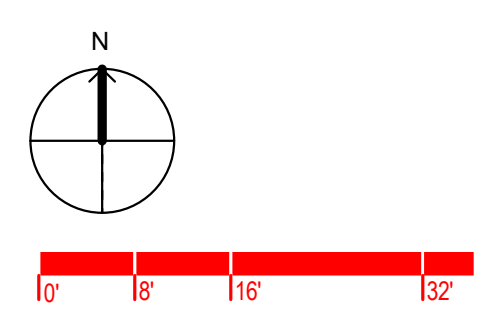
A-104

NOTE:  
 1. AREA EXCLUDES BALCONIES OR ANY TYPE OF OUTDOOR SPACE.  
 2. AREA IS MEASURED FROM THE EXTERIOR FACE OF STRUCTURE.



1 ROOF PLAN  
 1/16" = 1'-0"

BUILDING USES / SF	BUILDING FLOOR										
	G2	G1	R1 (UPPER+LOWER)	R2	R3	R4	R5	R6	PH	GSF	GFA
GARAGE PARKING	45880	43374	1257							89254	
BIKE PARKING			1257							1257	
STORAGE	2010	2347	4823	54	54	54	54	54		4627	4627
LOADING/TRASH/SERVICES AREAS	2300	2476	4823							9599	
CIRCULATION/ COMMON AREAS			5100	7140	7140	7140	7140	7140		40800	40800
DOG SPA			671							671	671
RESIDENTIAL			20825	33917	33917	33917	33917	33917		190410	190410
LOBBY AMENITIES			8143							8143	8143
PENTHOUSE									450	450	450
TOTAL BUILDING AREAS	50190	48197	40819	41111	41111	41111	41111	41111	450	345211	245101
FLOOR ELEVATION	217'-6"	227'-6"	237'-6"	254'-2"	264'-10"	275'-6"	286'-2"	296'-10"	312'-8"		



4/20/2018 11:57:35 AM C:\Users\LocalAdmin\OneDrive\Documents\2017\_17\_27\revs.rvt



5

4

3

2

1

D

C

B

A



WASHINGTON at  
 KIRKWOOD

ARLINGTON, VA

REVISION	DATE	DESCRIPTION
ADDENDA OR MODIFICATION		
ISSUE	DATE	DESCRIPTION

PROJECT NO: 4098-001  
 PRINT DATE: 04.26.18

SHEET TITLE

MASSING CONTEXT

SHEET IDENTIFIER

A-105

5

4

3

2

1

WASHINGTON at  
 KIRKWOOD

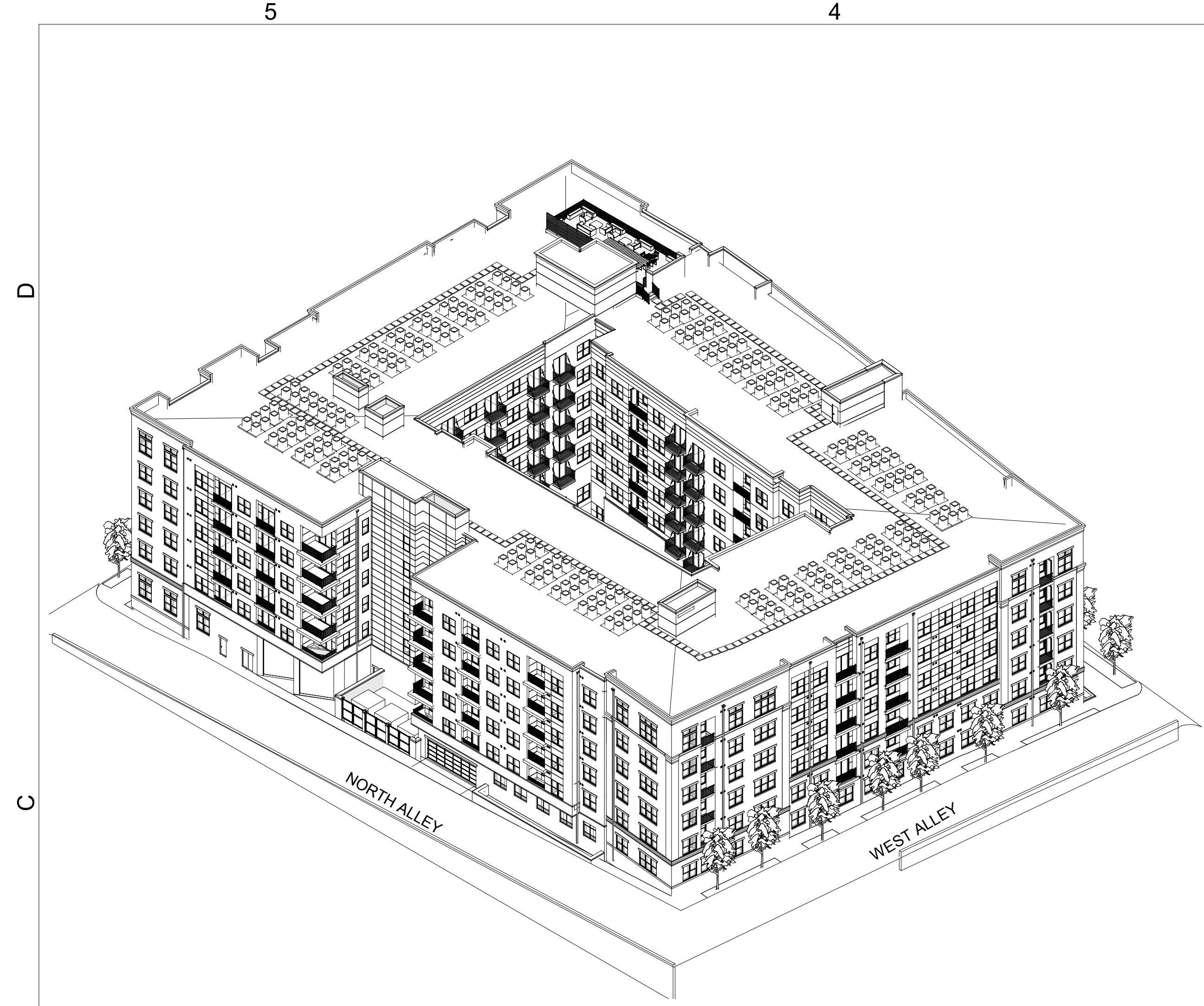
ARLINGTON, VA

REVISION	DATE	DESCRIPTION
ADDENDA OR MODIFICATION		
ISSUE	DATE	DESCRIPTION

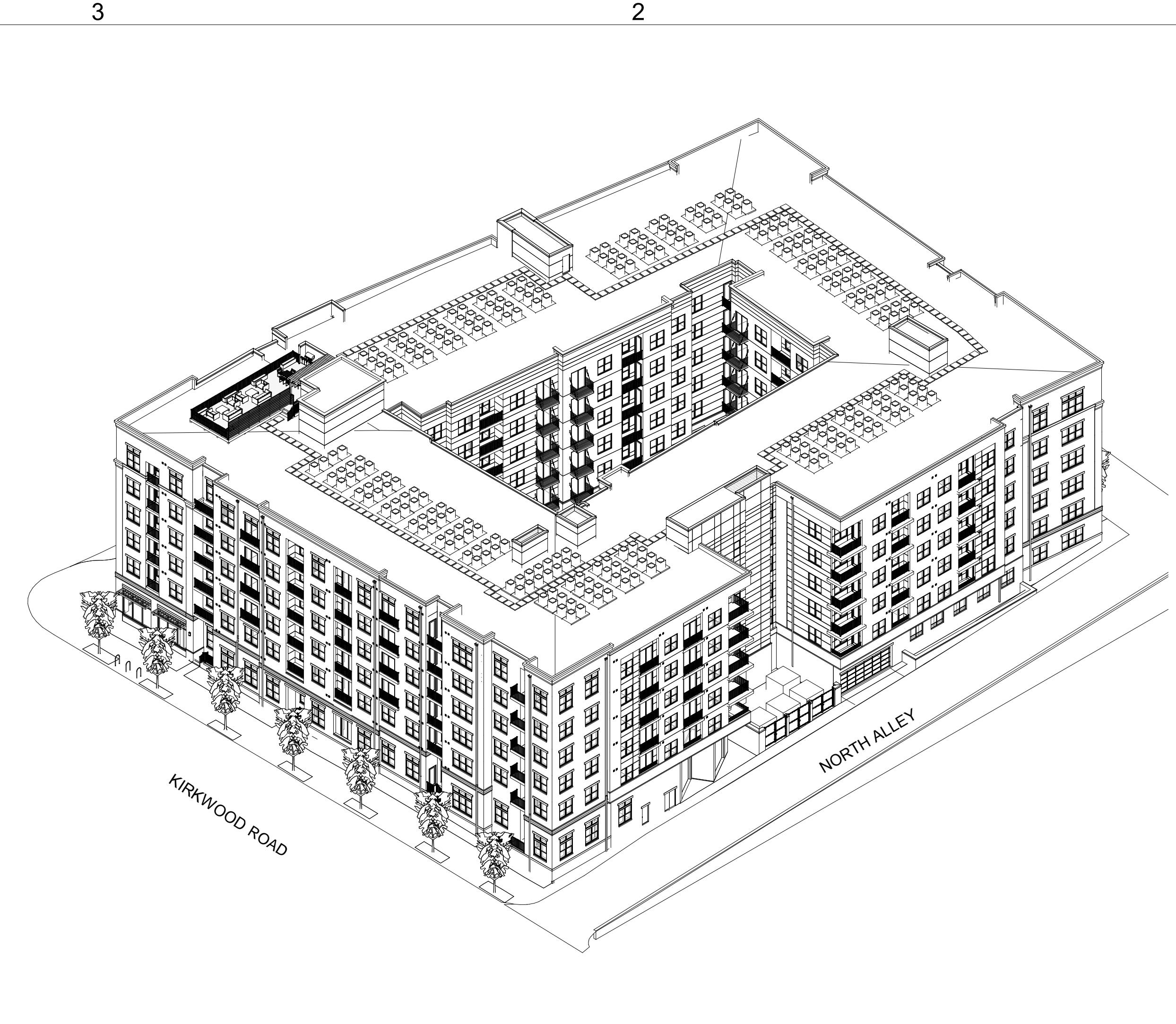
PROJECT NO: 4098-001  
 PRINT DATE: 04.26.18

SHEET TITLE  
**MASSING**

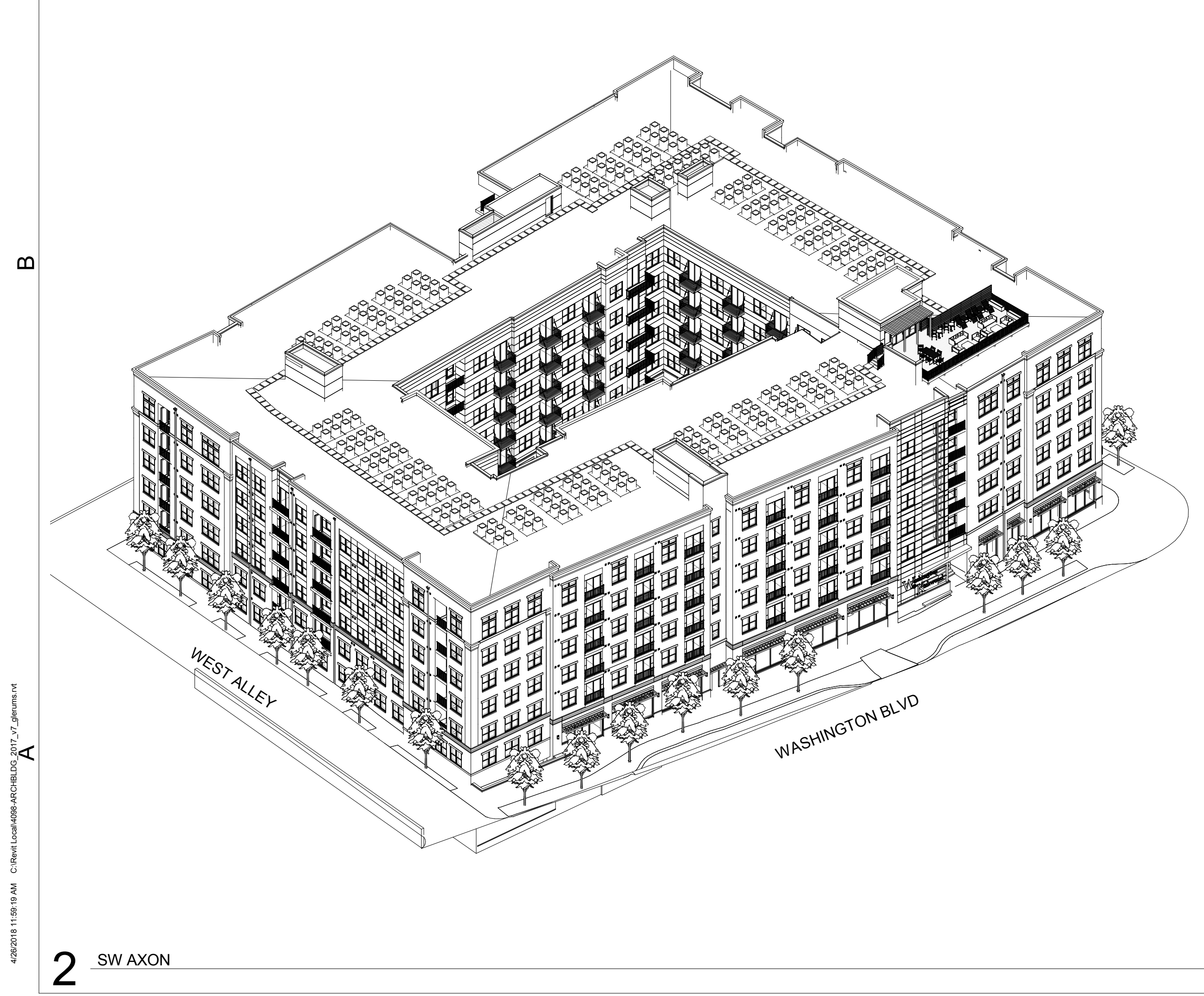
SHEET IDENTIFIER  
**A-106**



3 NW AXON



4 NE AXON



2 SW AXON



1 SE AXON

4/26/2018 11:59:19 AM C:\Users\LocalAdmin\Documents\2017\_27\_givens.rvt

5

4

3

2

1



**2** BUILDING ELEVATION - KIRKWOOD ROAD  
1/16" = 1'-0"



**1** BUILDING ELEVATION - WASHINGTON BOULEVARD  
1/16" = 1'-0"

EXTERIOR FINISH LEGEND	
KEY	DESCRIPTION
01	MASONRY FACADE #1
02	MASONRY FACADE #2
03	DWELLING UNIT VENTS
04	FIBER CEMENT PANEL #01
05	FIBER CEMENT PANEL #02
06	FIBER CEMENT PANEL #03
07	METAL PANEL #01
08	WINDOW SYSTEM
09	STOREFRONT SYSTEM
11	SLIDING GLASS DOOR
12	EXTERIOR DOOR
13	GARAGE DOOR
14	METAL RAILING
15	TRANSFORMER ENCLOSURE
16	DOWNSPOUT
18	MASONRY BAND
20	METAL AWNING
21	MASONRY BASE

NOTE: SEE SHEET A-115 FOR MATERIAL COLORS

**ODELL**

111 Virginia Street, Suite 401  
Richmond, VA 23223  
(T) 804-287-8200 (F) 804-287-8279  
www.odell.com

CHARLOTTE, NC RICHMOND, VA

CONSULTANT

© 2018 ODELL Associates, Inc., All Rights Reserved

**WASHINGTON at  
KIRKWOOD**

ARLINGTON, VA

REVISION	DATE	DESCRIPTION
ADDENDA OR MODIFICATION		
ISSUE	DATE	DESCRIPTION

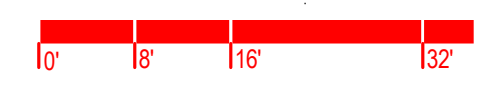
PROJECT NO: 4098-001  
PRINT DATE: 04.26.18

SHEET TITLE

**BUILDING  
ELEVATIONS**

SHEET IDENTIFIER

**A-107**



4/26/2018 11:59:33 AM C:\Users\LocalAdmin\OneDrive\Documents\2017\_17\_givens.rvt

5

4

3

2

1



**2** BUILDING ELEVATION - WEST ALLEY  
1/16" = 1'-0"



**1** BUILDING ELEVATION - NORTH ALLEY  
1/16" = 1'-0"

EXTERIOR FINISH LEGEND

KEY	DESCRIPTION
01	MASONRY FACADE #1
02	MASONRY FACADE #2
03	DWELLING UNIT VENTS
04	FIBER CEMENT PANEL #01
05	FIBER CEMENT PANEL #02
06	FIBER CEMENT PANEL #03
07	METAL PANEL #01
08	WINDOW SYSTEM
09	STOREFRONT SYSTEM
11	SLIDING GLASS DOOR
12	EXTERIOR DOOR
13	GARAGE DOOR
14	METAL RAILING
15	TRANSFORMER ENCLOSURE
16	DOWNSPOUT
18	MASONRY BAND
20	METAL AWNING
21	MASONRY BASE

NOTE: SEE SHEET A-115 FOR MATERIAL COLORS



111 Virginia Street, Suite 401  
Richmond, VA 23223  
(T) 804-287-8200 (F) 804-287-8279  
www.odell.com

CHARLOTTE, NC CONSULTANT RICHMOND, VA

© 2018 ODELL Associates, Inc., All Rights Reserved

WASHINGTON at  
KIRKWOOD

ARLINGTON, VA

REVISION	DATE	DESCRIPTION
ADDENDA OR MODIFICATION		
ISSUE	DATE	DESCRIPTION

PROJECT NO: 4098-001  
PRINT DATE: 04.26.18

SHEET TITLE

BUILDING  
ELEVATIONS

SHEET IDENTIFIER

A-108



4/20/2018 11:29:54 AM C:\Users\logan\OneDrive\Documents\2017\_17\_28\wvms.rvt

WASHINGTON at  
 KIRKWOOD

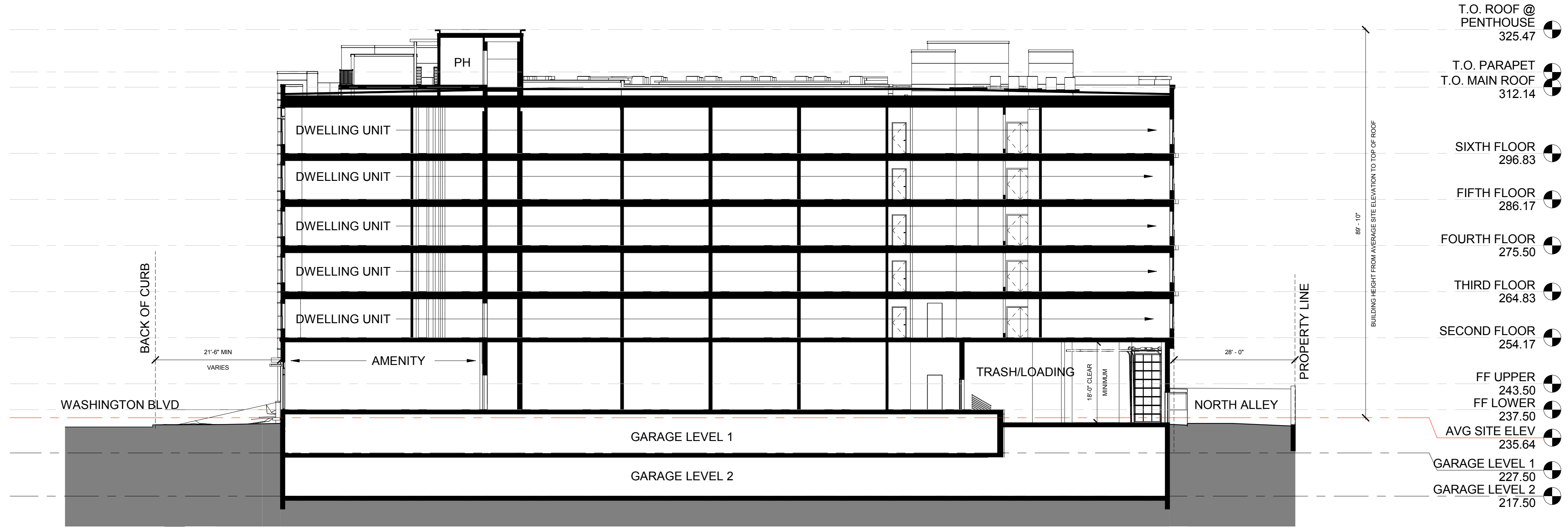
ARLINGTON, VA

REVISION	DATE	DESCRIPTION
ADDENDA OR MODIFICATION		
ISSUE	DATE	DESCRIPTION

PROJECT NO: 4098-001  
 PRINT DATE: 04.26.18

SHEET TITLE  
**BUILDING SECTIONS**

SHEET IDENTIFIER  
**A-109**

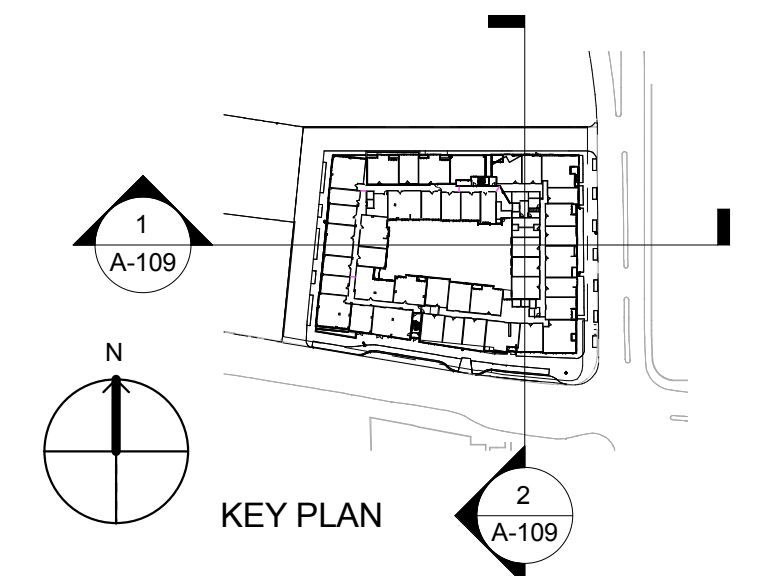


**2** BUILDING SECTION - NORTH/SOUTH  
 1/16" = 1'-0"



**1** BUILDING SECTION - EAST/WEST  
 1/16" = 1'-0"

NOTE: SEE LANDSCAPE DRAWINGS FOR COURTYARD INFORMATION AND SOIL DEPTH



4/20/2018 12:00:03 PM C:\Users\LocalAdmin\OneDrive\Documents\2017\_17\_28\wms.rvt

WASHINGTON at  
 KIRKWOOD

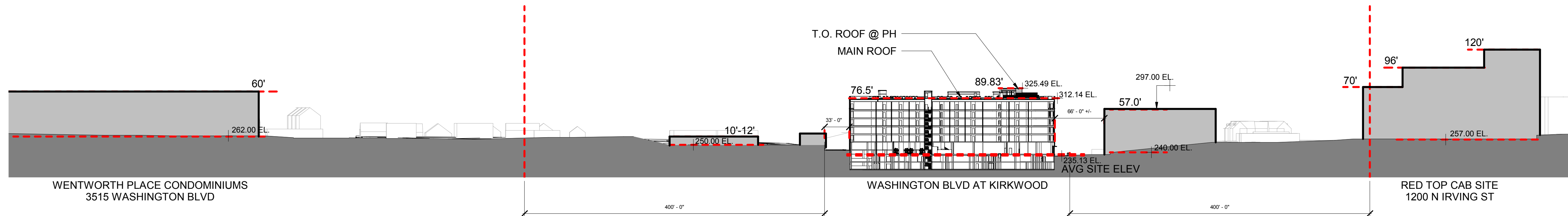
ARLINGTON, VA

REVISION	DATE	DESCRIPTION
ADDENDUM OR MODIFICATION		
ISSUE	DATE	DESCRIPTION

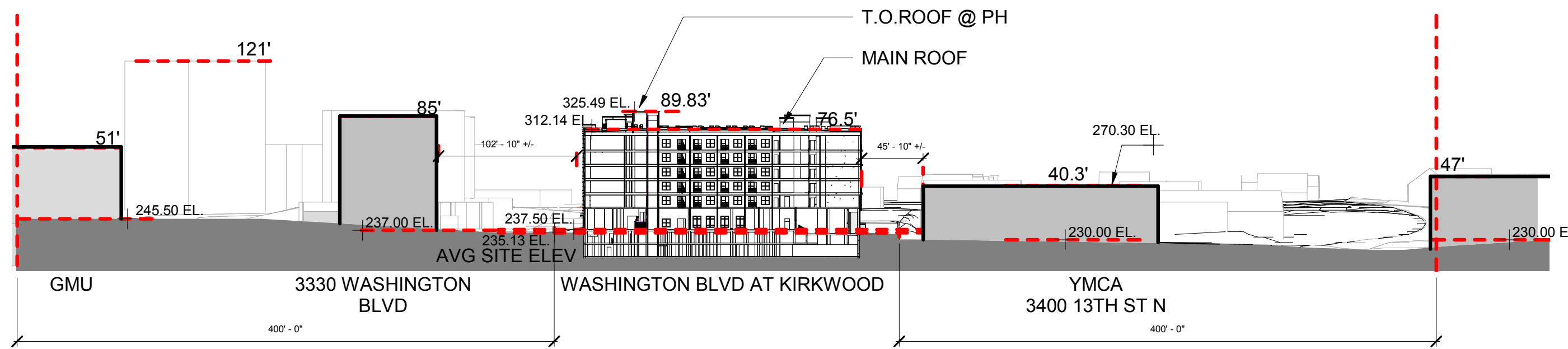
PROJECT NO: 4098-001  
 PRINT DATE: 04.26.18

SHEET TITLE  
**COMPARATIVE  
 HEIGHT SECTIONS**

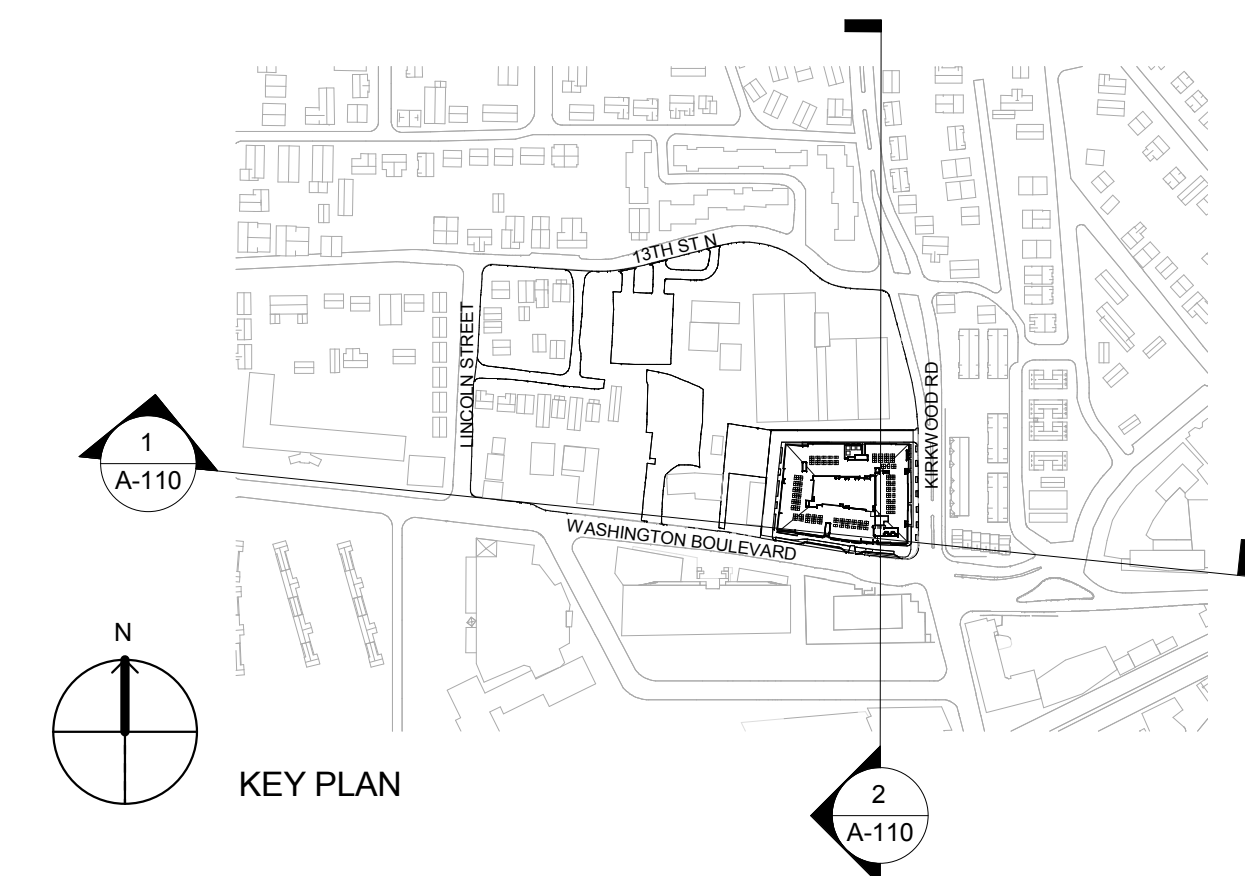
SHEET IDENTIFIER  
**A-110**



**1** SITE SECTION - WEST TO EAST  
 1" = 80'-0"



**2** SITE SECTION - NORTH TO SOUTH  
 1" = 80'-0"



4/26/2018 12:02:11 PM C:\Users\LocalAdmin\OneDrive\Documents\2017\_17\_28\wms.rvt

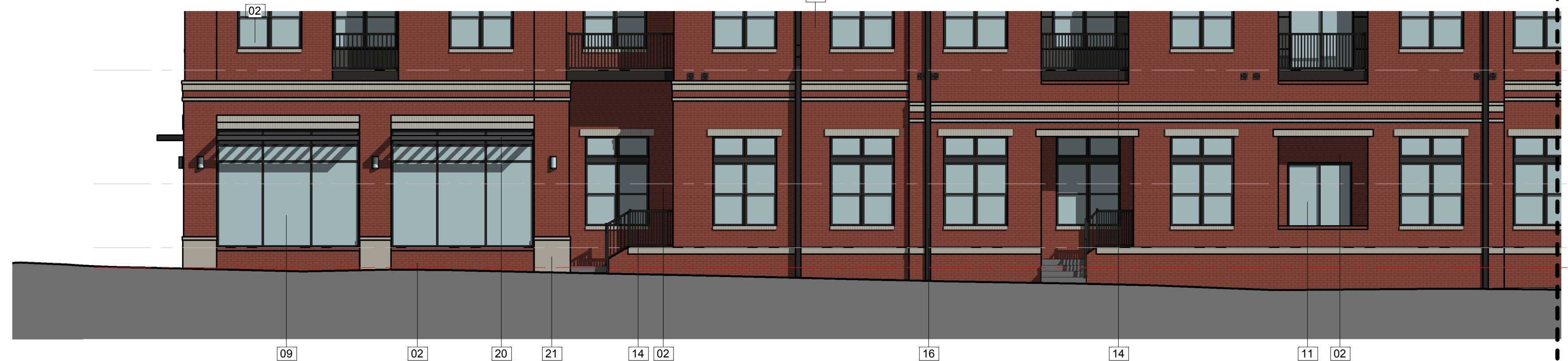
5

4

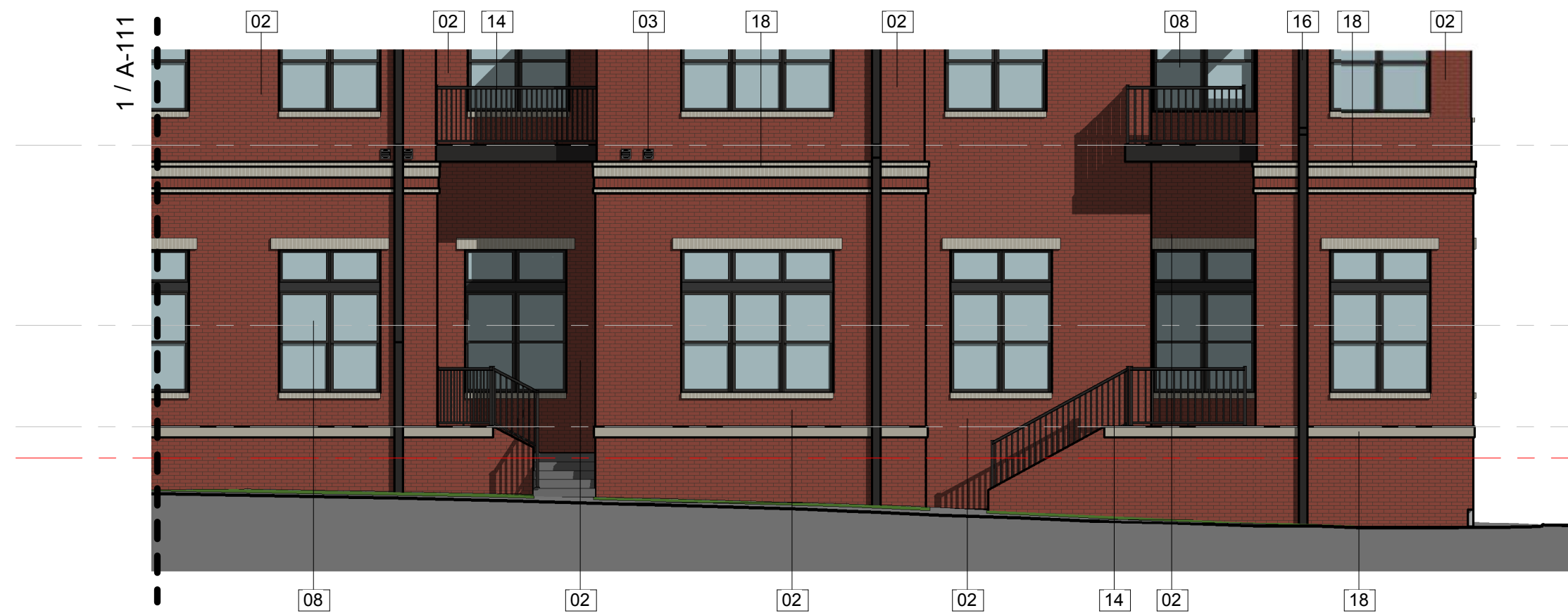
3

2

1



**1** STREETScape ELEVATION - KIRKWOOD STREET (SOUTH)  
1/8" = 1'-0"



**2** STREETScape ELEVATION - KIRKWOOD STREET (NORTH)  
1/8" = 1'-0"



**3** STREETScape ELEVATION - WASHINGTON BLVD(WEST)  
1/8" = 1'-0"



**4** STREETScape ELEVATION - WASHINGTON BLVD (EAST)  
1/8" = 1'-0"

EXTERIOR FINISH LEGEND	
KEY	DESCRIPTION
01	MASONRY FACADE #1
02	MASONRY FACADE #2
03	DWELLING UNIT VENTS
04	FIBER CEMENT PANEL #01
05	FIBER CEMENT PANEL #02
06	FIBER CEMENT PANEL #03
07	METAL PANEL #01
08	WINDOW SYSTEM
09	STOREFRONT SYSTEM
11	SLIDING GLASS DOOR
12	EXTERIOR DOOR
13	GARAGE DOOR
14	METAL RAILING
15	TRANSFORMER ENCLOSURE
16	DOWNSPOUT
18	MASONRY BAND
20	METAL AWNING
21	MASONRY BASE

NOTE: SEE SHEET A-115 FOR MATERIAL COLORS

**ODELL**

111 Virginia Street, Suite 401  
Richmond, VA 23223  
(T) 804-287-8200 (F) 804-287-8279  
www.odell.com

CHARLOTTE, NC RICHMOND, VA  
CONSULTANT

© 2018 ODELL Associates, Inc. All Rights Reserved

**WASHINGTON at KIRKWOOD**

ARLINGTON, VA

REVISION	DATE	DESCRIPTION
ADDENDA OR MODIFICATION		
ISSUE	DATE	DESCRIPTION

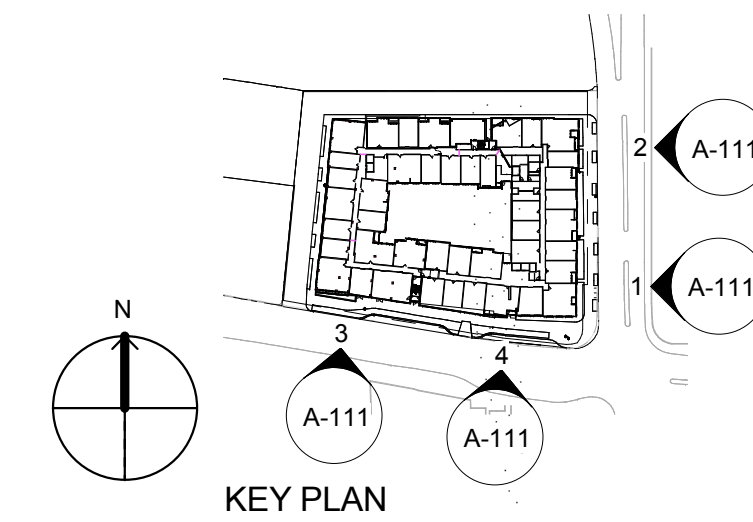
PROJECT NO: 4098-001  
PRINT DATE: 04.26.18

SHEET TITLE

**STREET FRONTAGE ELEVATIONS**

SHEET IDENTIFIER

**A-111**



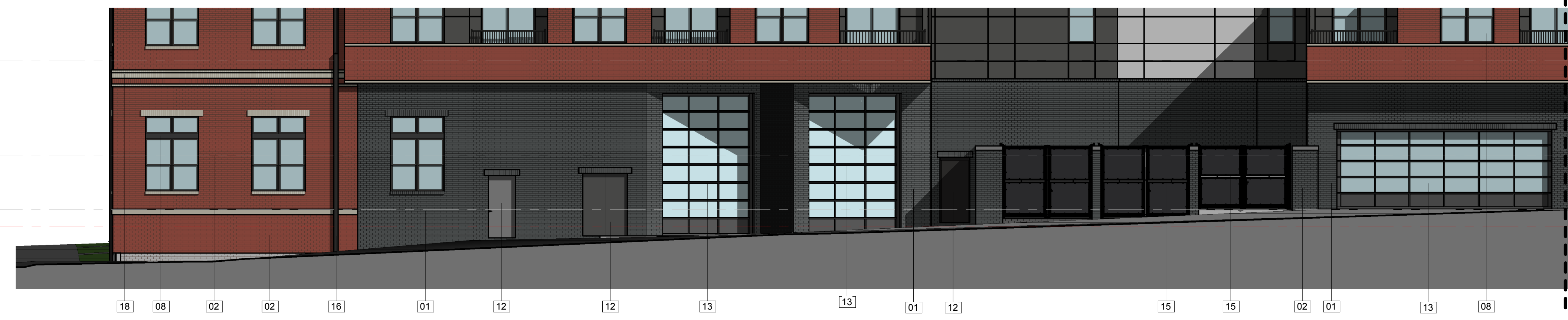
5

4

3

2

1

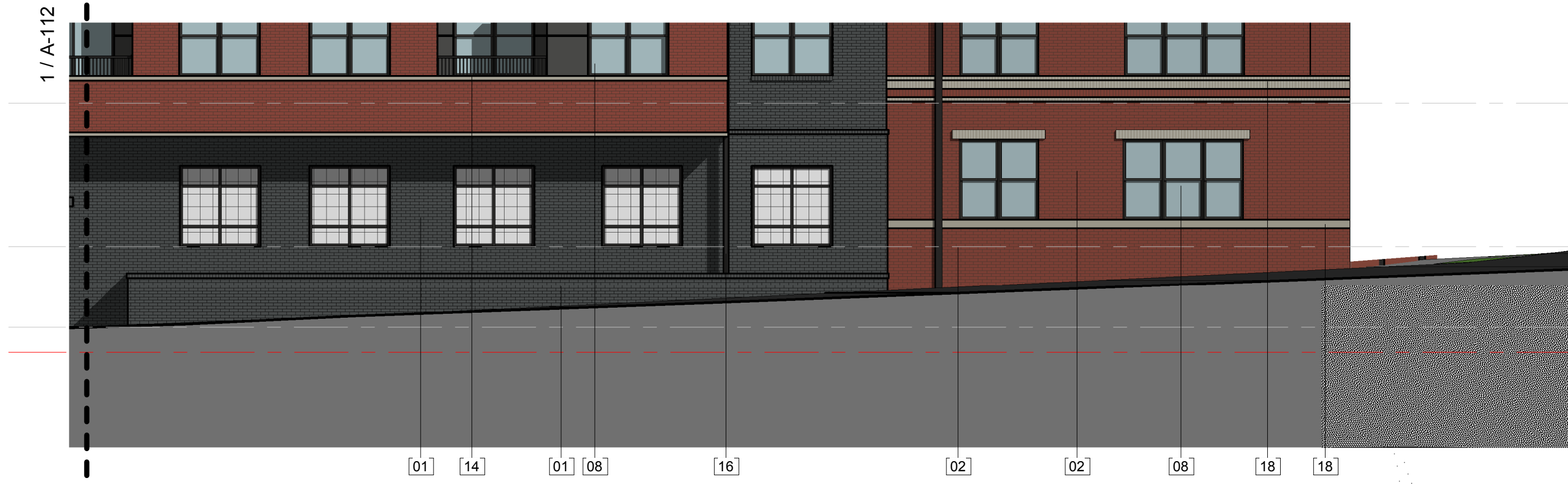


**1** STREETSCAPE ELEVATION - NORTH ALLEY (EAST)  
1/8" = 1'-0"

- SECOND FLOOR 254.17
- FF UPPER 243.50
- FF LOWER 237.50
- AVG SITE ELEV 235.64

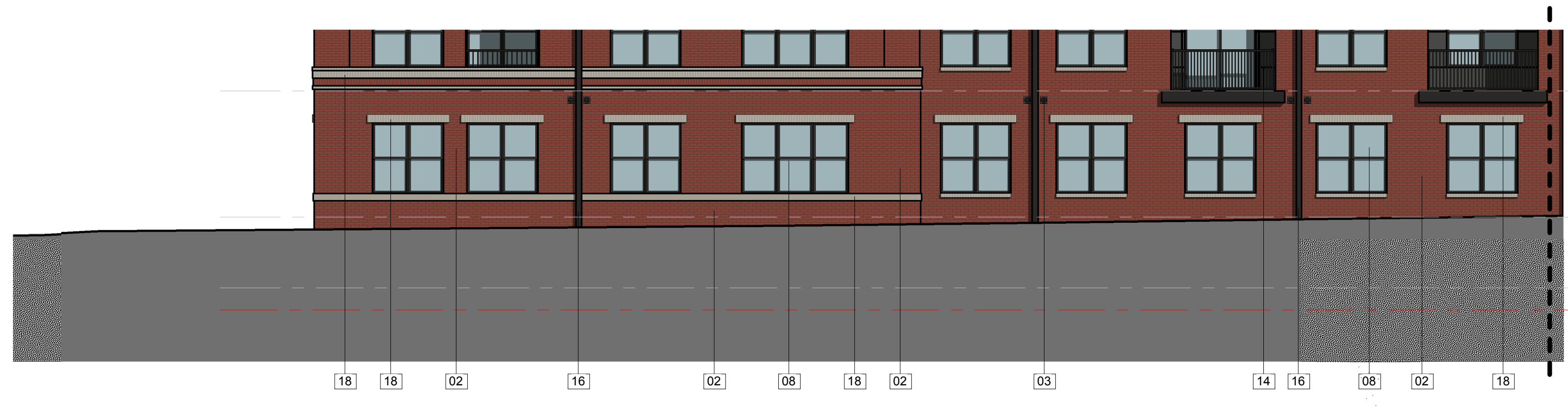
EXTERIOR FINISH LEGEND	
KEY	DESCRIPTION
01	MASONRY FACADE #1
02	MASONRY FACADE #2
03	DWELLING UNIT VENTS
04	FIBER CEMENT PANEL #01
05	FIBER CEMENT PANEL #02
06	FIBER CEMENT PANEL #03
07	METAL PANEL #01
08	WINDOW SYSTEM
09	STOREFRONT SYSTEM
11	SLIDING GLASS DOOR
12	EXTERIOR DOOR
13	GARAGE DOOR
14	METAL RAILING
15	TRANSFORMER ENCLOSURE
16	DOWNSPOUT
18	MASONRY BAND
20	METAL AWNING
21	MASONRY BASE

NOTE: SEE SHEET A-115 FOR MATERIAL COLORS



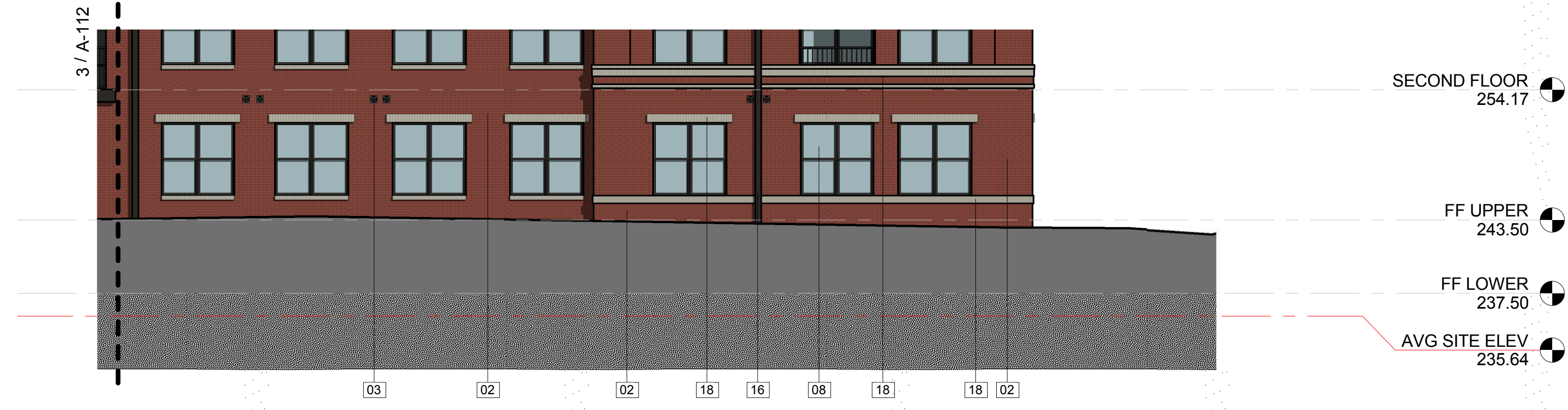
**2** STREETSCAPE ELEVATION - NORTH ALLEY (WEST)  
1/8" = 1'-0"

- SECOND FLOOR 254.17
- FF UPPER 243.50
- FF LOWER 237.50
- AVG SITE ELEV 235.64



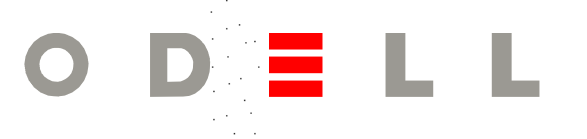
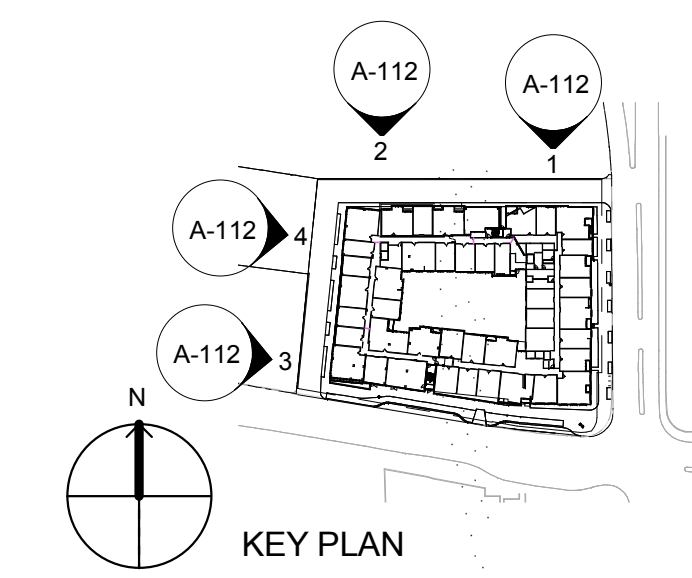
**3** STREETSCAPE ELEVATION - WEST ALLEY (NORTH)  
1/8" = 1'-0"

- SECOND FLOOR 254.17
- FF UPPER 243.50
- FF LOWER 237.50
- AVG SITE ELEV 235.64



**4** STREETSCAPE ELEVATION - WEST ALLEY (SOUTH)  
1/8" = 1'-0"

- SECOND FLOOR 254.17
- FF UPPER 243.50
- FF LOWER 237.50
- AVG SITE ELEV 235.64



111 Virginia Street, Suite 401  
Richmond, VA 23223  
(T) 804-287-8200 (F) 804-287-8279  
www.odell.com

CHARLOTTE, NC RICHMOND, VA

CONSULTANT

© 2018 ODELL Associates, Inc. All Rights Reserved

**WASHINGTON at KIRKWOOD**

ARLINGTON, VA

REVISION	DATE	DESCRIPTION
ADDENDA OR MODIFICATION		
ISSUE	DATE	DESCRIPTION

PROJECT NO: 4098-001  
PRINT DATE: 04.26.18

**STREET FRONTAGE ELEVATIONS**

SHEET IDENTIFIER

**A-112**

4/26/2018 12:02:28 PM C:\Users\LocalAdmin\OneDrive\Documents\2017\_17\_28\vwms.nt



5

4

3

2

1

D

C

B

A



2 - WASHINGTON BOULEVARD



1 - OVERALL SITE

WASHINGTON at  
KIRKWOOD

ARLINGTON, VA

REVISION	DATE	DESCRIPTION
ADDENDA OR MODIFICATION		
ISSUE	DATE	DESCRIPTION

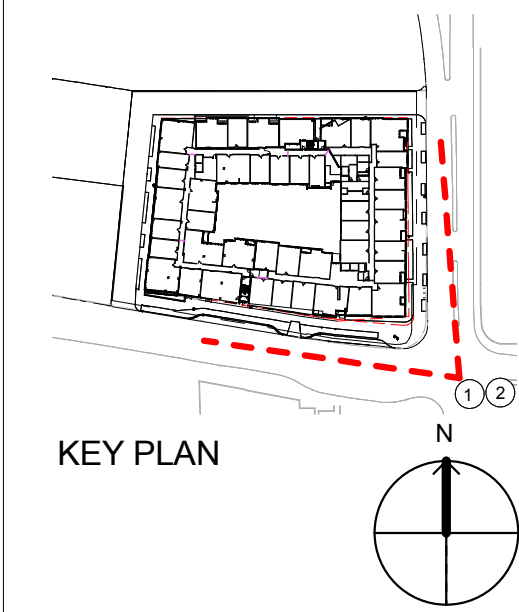
PROJECT NO: 4098-001  
PRINT DATE: 04.26.18

SHEET TITLE

CONTEXT VIEWS

SHEET IDENTIFIER

A-113



5

4

3

2

1

5

4

3

2

1

D

C

B

A



2 - WEST ALLEY



1 - KIRKWOOD RD

ODELL

111 Virginia Street, Suite 401  
Richmond, VA 23223  
(T) 804-287-8200 (F) 804-287-8279  
www.odell.com

CHARLOTTE, NC RICHMOND, VA  
CONSULTANT

© 2018 ODELL Associates, Inc., All Rights Reserved

### WASHINGTON at KIRKWOOD

ARLINGTON, VA

REVISION	DATE	DESCRIPTION
<b>ADDENDA OR MODIFICATION</b>		

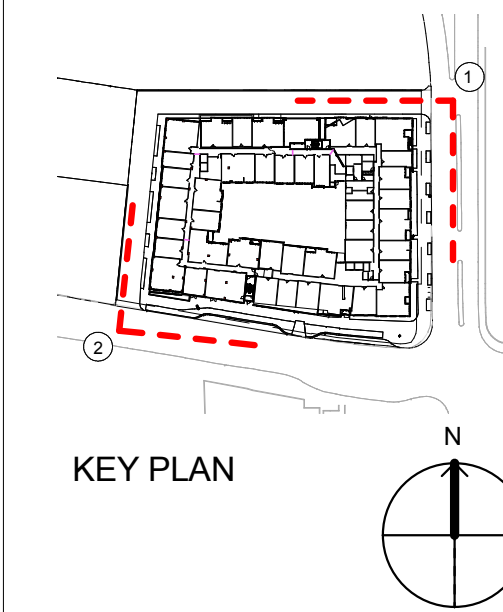
PROJECT NO: 4098-001  
PRINT DATE: 04.26.18

SHEET TITLE

### CONTEXT VIEWS

SHEET IDENTIFIER

# A-114



WASHINGTON at  
KIRKWOOD

ARLINGTON, VA

REVISION	DATE	DESCRIPTION
ADDENDA OR MODIFICATION		
ISSUE	DATE	DESCRIPTION

PROJECT NO: 4098-001  
PRINT DATE: 04.26.18

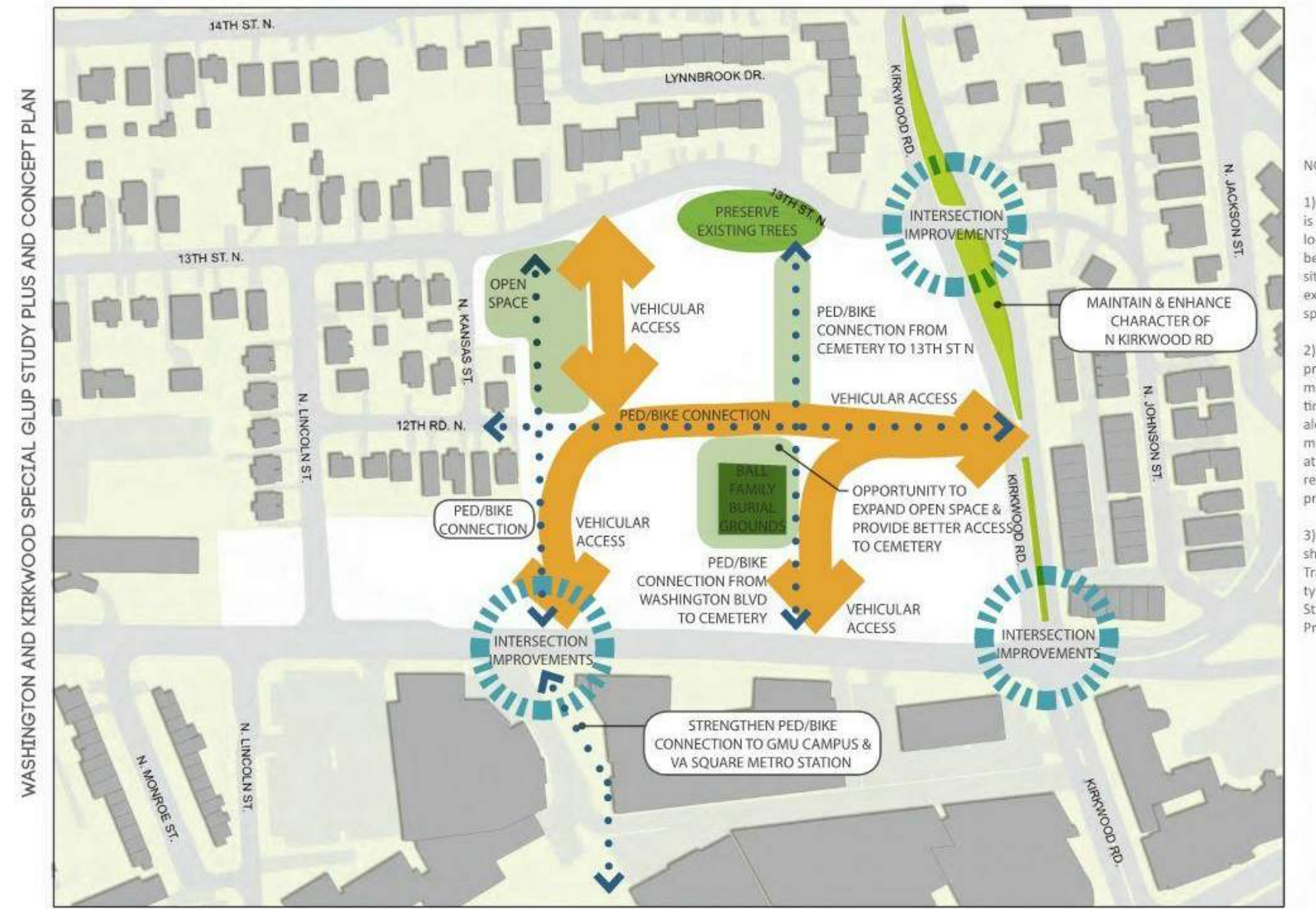
SHEET TITLE

FUTURE 12TH RD  
EXHIBITS

SHEET IDENTIFIER

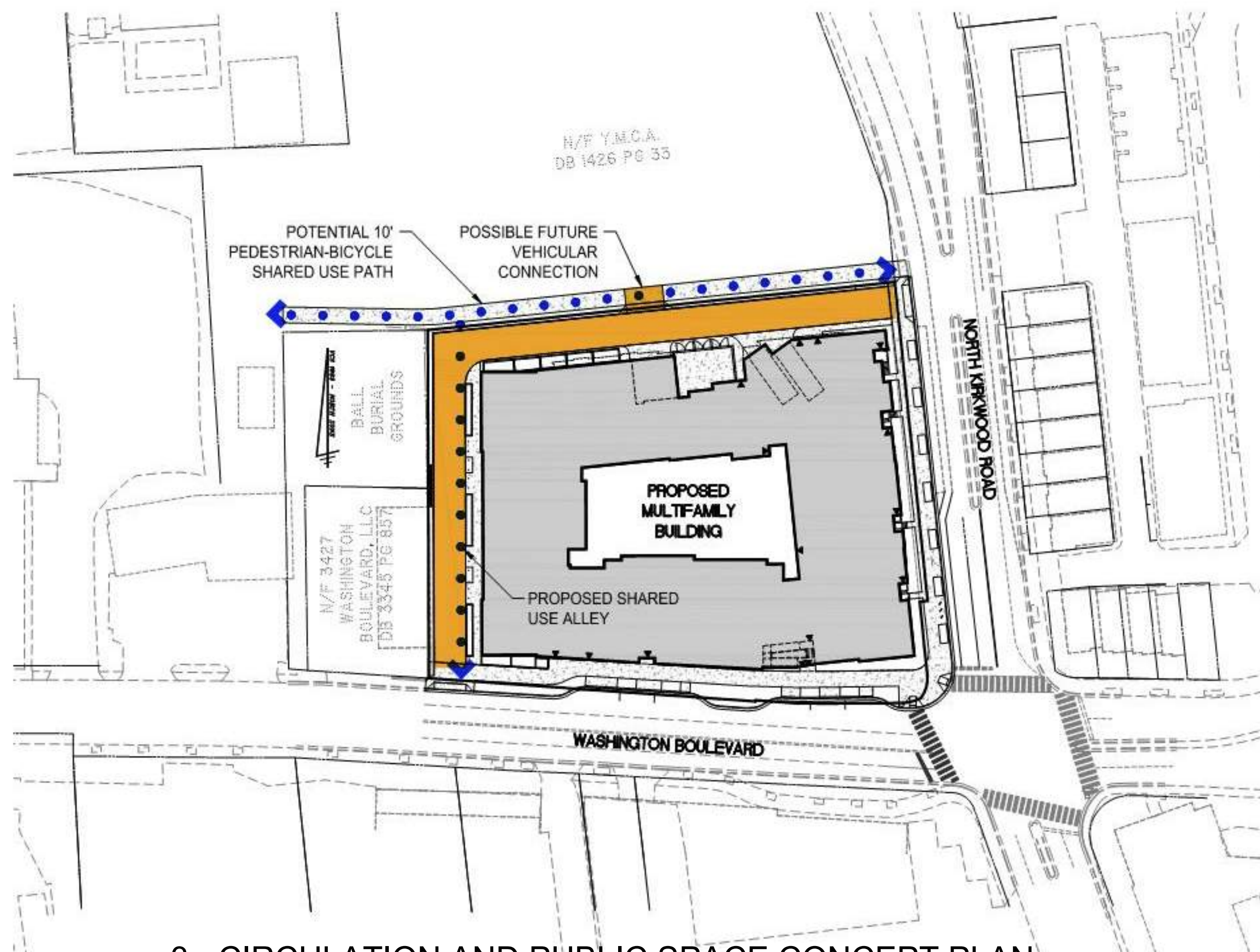
A-115

CIRCULATION AND PUBLIC SPACE CONCEPT MAP



51

4 - CIRCULATION AND PUBLIC SPACE CONCEPT MAP FROM SPECIAL GLUP STUDY "PLUS" CONCEPT PLAN



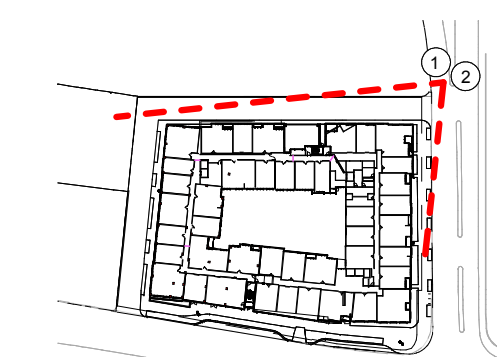
3 - CIRCULATION AND PUBLIC SPACE CONCEPT PLAN



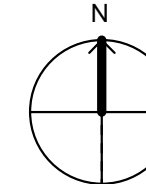
1 - PROPOSED DEVELOPMENT WITH EXISTING YMCA



2 - PROPOSED DEVELOPMENT WITH FUTURE YMCA WITH SHARED USE PATH CONSTRUCTED BY OTHERS



KEY PLAN



PARKING SPACES				
TYPE	GARAGE LEVEL 2	GARAGE LEVEL 1	% OF TOTAL	TOTAL
STANDARD PARKING	85	79	82%	164
COMPACT PARKING	20	9	14%	29
HANDICAP PARKING	3	3	3%	6
HANDICAP VAN PARKING	1	1	1%	2
<b>TOTAL PARKING SPACES</b>	<b>109</b>	<b>92</b>		<b>201</b>

PROPOSED PARKING RATIO: 247 UNITS \* .8 STALLS/UNIT = 198 SPACES  
 TOTAL PERCENTAGE COMPACT: 14%

BICYCLE SPACES				BUILDING LOCATION		
TYPES	UNITS	RATIO	REQUIRED	FIRST FLOOR	EXTERIOR	TOTAL PROVIDED
RESIDENTIAL BICYCLE SPACES	247	1/2.5	99	104		104
VISITOR BICYCLE SPACES	247	1/50	5		6	6
<b>TOTAL BICYCLE SPACES</b>			<b>104</b>			<b>110</b>

UNIT TYPES			BUILDING FLOOR								
TYPE	BEDROOMS	AREA	G2	G1	R1	R2	R3	R4	R5	R6	TOTAL
S	STUDIO	530			3	2	2	2	2	2	13
1	1 BR, 1 BA	637			15	27	27	27	27	27	150
2	2 BR, 2 BA	990			9	15	15	15	15	15	84
<b>UNIT TOTALS</b>					<b>27</b>	<b>44</b>	<b>44</b>	<b>44</b>	<b>44</b>	<b>44</b>	<b>247</b>

BUILDING USES / SF	BUILDING FLOOR										GSF	GFA	
USE	G2	G1	R1 (UPPER+LOWER)	R2	R3	R4	R5	R6	PH				
GARAGE PARKING	45880	43374										89254	
BIKE PARKING			1257									1257	
STORAGE	2010	2347		54	54	54	54	54				4627	4627
LOADING/TRASH/SERVICES AREAS	2300	2476	4823									9599	
CIRCULATION/ COMMON AREAS			5100	7140	7140	7140	7140	7140				40800	40800
DOG SPA			671									671	671
RESIDENTIAL			20825	33917	33917	33917	33917	33917				190410	190410
LOBBY AMENITIES			8143									8143	8143
PENTHOUSE									450			450	450
<b>TOTAL BUILDING AREAS</b>	<b>50190</b>	<b>48197</b>	<b>40819</b>	<b>41111</b>	<b>41111</b>	<b>41111</b>	<b>41111</b>	<b>41111</b>	<b>450</b>	<b>450</b>		<b>345211</b>	<b>245101</b>
<b>FLOOR ELEVATION</b>	<b>217'-6"</b>	<b>227'-6"</b>	<b>237'-6"</b>	<b>254'-2"</b>	<b>264'-10"</b>	<b>275'-6"</b>	<b>286'-2"</b>	<b>296'-10"</b>	<b>312'-8"</b>				

RESIDENTIAL DENSITY ANALYSIS	
TOTAL SITE AREA	75187 SF (1.726 ACRES)
BASE DENSITY - SITE PLAN	115 UNITS/ACRE
BASE UNITS	198 UNITS
BONUS DENSITY - CONSTRUCTION PROBLEMS AND/OR ONSITE ADUs*	
TOTAL BONUS UNITS	49
<b>TOTAL UNITS (BASE + BONUS)</b>	<b>247 UNITS</b>

\* THE APPLICANT WILL COORDINATE WITH ARLINGTON COUNTY STAFF ON THE COMMUNITY BENEFITS PACKAGE AND BONUS DENSITY

© 2018 ODELL Associates, Inc. All Rights Reserved

WASHINGTON at KIRKWOOD

ARLINGTON, VA

REVISION	DATE	DESCRIPTION
ADDENDA OR MODIFICATION		
ISSUE	DATE	DESCRIPTION

PROJECT NO: 4098-001  
 PRINT DATE: 04.26.18

SHEET TITLE

TABULATIONS

SHEET IDENTIFIER

A-116

4/26/2018 12:04:47 PM C:\Users\LocalAdmin\OneDrive\Documents\2017\_17\_28\wms.nct

5

4

3

2

1



111 Virginia Street, Suite 401  
Richmond, VA 23223  
(T) 804-287-8200 (F) 804-287-8279  
www.odell.com

CHARLOTTE, NC RICHMOND, VA  
CONSULTANT

© 2018 ODELL Associates, Inc., All Rights Reserved

# WASHINGTON at KIRKWOOD

ARLINGTON, VA

REVISION	DATE	DESCRIPTION
ADDENDA OR MODIFICATION		
ISSUE	DATE	DESCRIPTION

PROJECT NO: 4098-001  
PRINT DATE: 04.26.18

SHEET TITLE

## MATERIALS

SHEET IDENTIFIER

# A-117

D

C

B

A

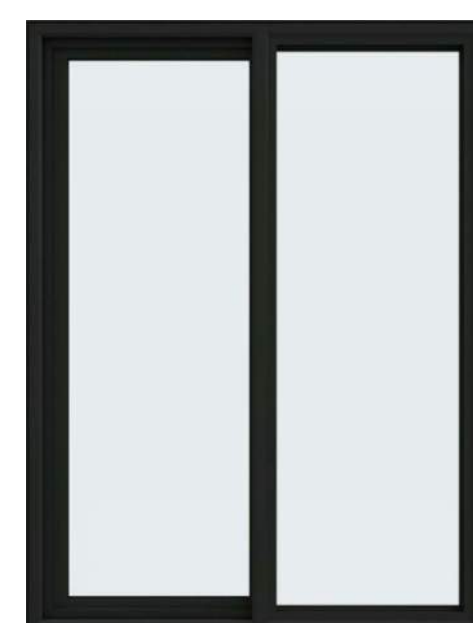
14 - METAL RAILING



09 - STOREFRONT SYSTEM



08 - WINDOW SYSTEM



07 - METAL PANEL SYSTEM



06 - FIBER CEMENT PANEL SYSTEM #3



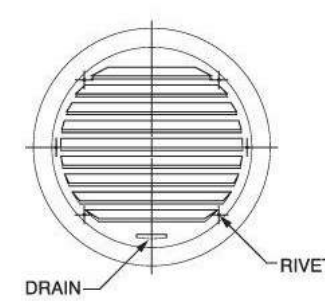
05 - FIBER CEMENT PANEL SYSTEM #2



04 - FIBER CEMENT PANEL SYSTEM #1

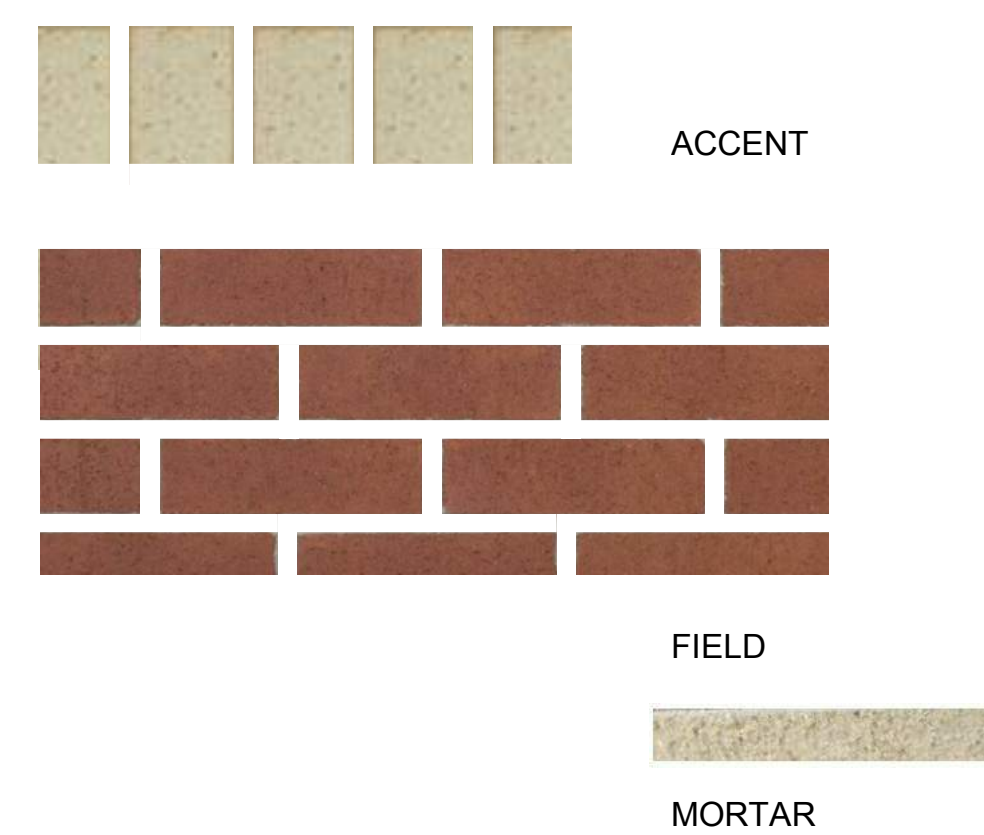


03 - DWELLING UNIT VENT

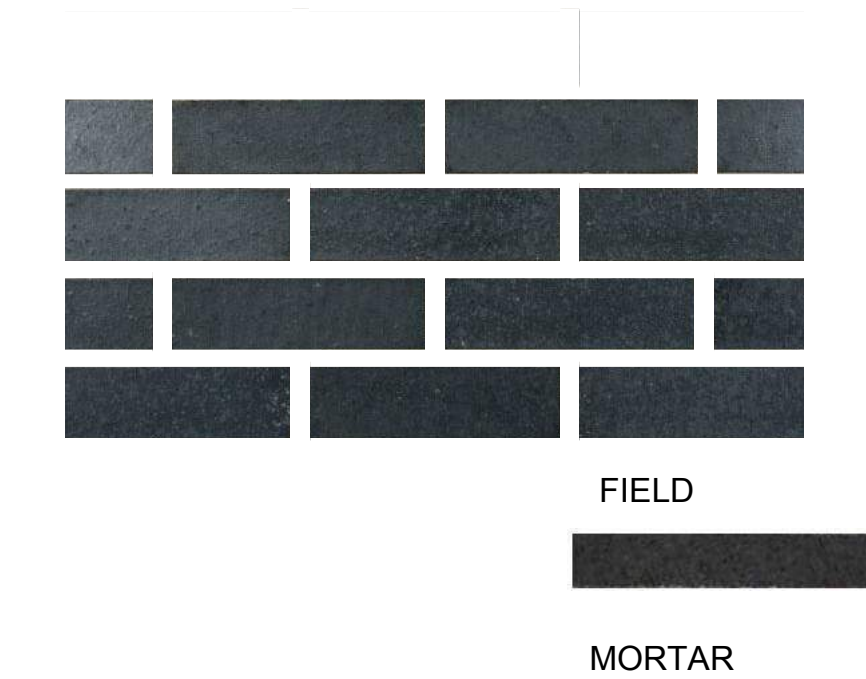


COLOR TO MATCH ADJACENT FACADE MATERIAL

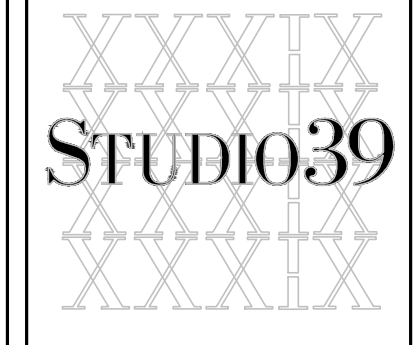
02 - MASONRY FACADE #2



01 - MASONRY FACADE #1



4/26/2018 12:04:48 PM C:\Users\LocalAdmin\OneDrive\Documents\2017\_17\_28\vwms.nt



Landscape Architecture, P.C.  
 6416 Greenhills Drive, Suite 100-A  
 Alexandria, Virginia 22310  
 Tel: 703.719.6500 Fax: 703.719.6503  
 Email: frontdesk@studio39.com

**WASHINGTON BOULEVARD at KIRKWOOD**  
 ARLINGTON COUNTY, VIRGINIA

THIS DOCUMENT AND THE IDEAS AND DESIGN INCORPORATED HEREIN ARE THE PROPERTY OF PROFESSIONAL SERVICE, INC. NO PART OF THIS DOCUMENT OR ANY INFORMATION CONTAINED HEREIN IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF STUDIO 39 LANDSCAPE ARCHITECTURE, P.C.

REVISIONS:

**OVERALL SITE PLAN**

DESIGN: DD  
 DRAWN: SS  
 CHECKED: SS

SCALE: 1" = 20'-0"

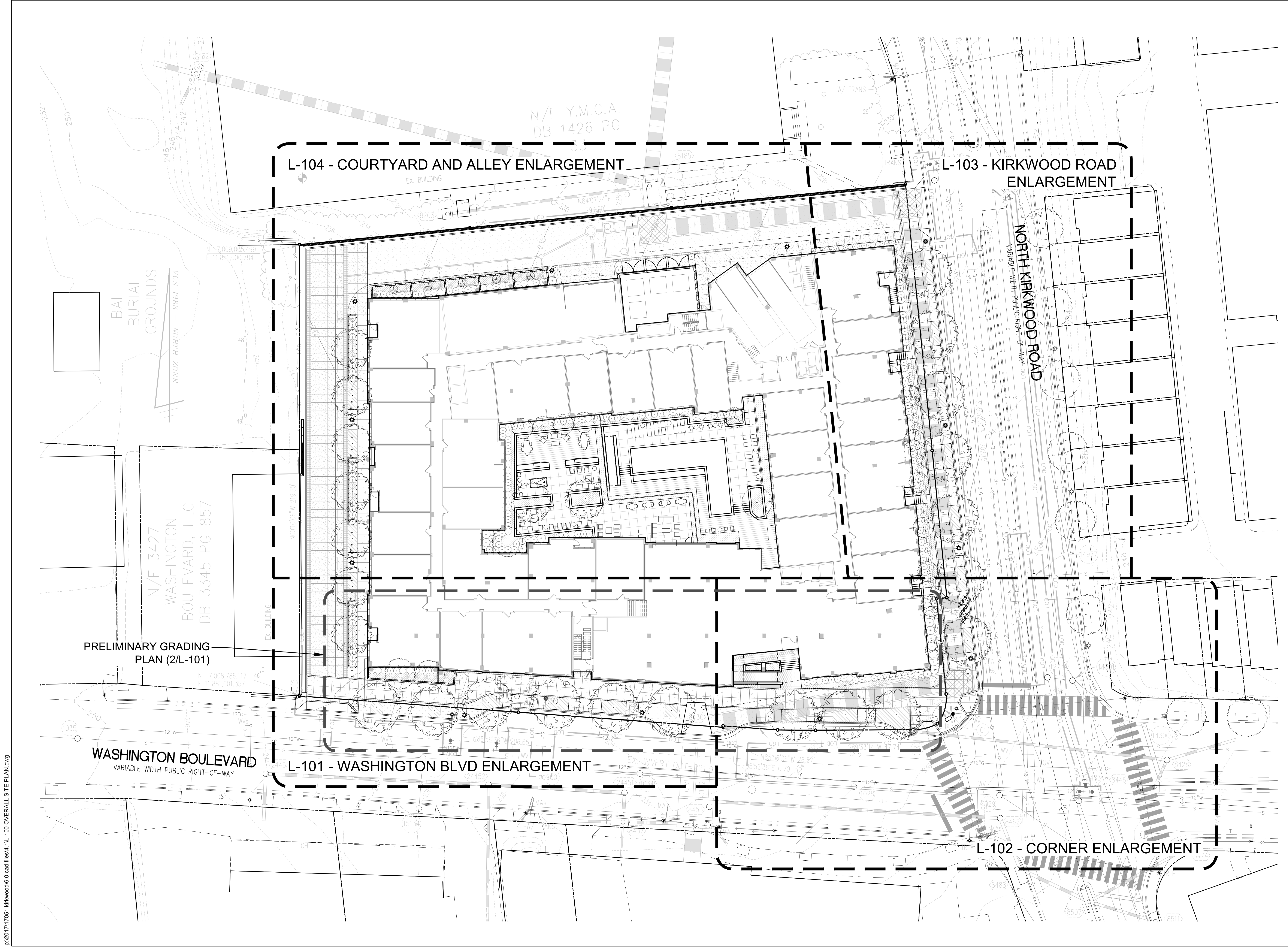
PROJECT NO: 17051

DATE: 04.27.18

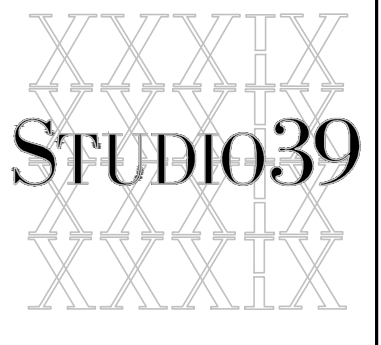
**L-100**

SECOND PRELIM  
 4.1

NOT RELEASED FOR CONSTRUCTION



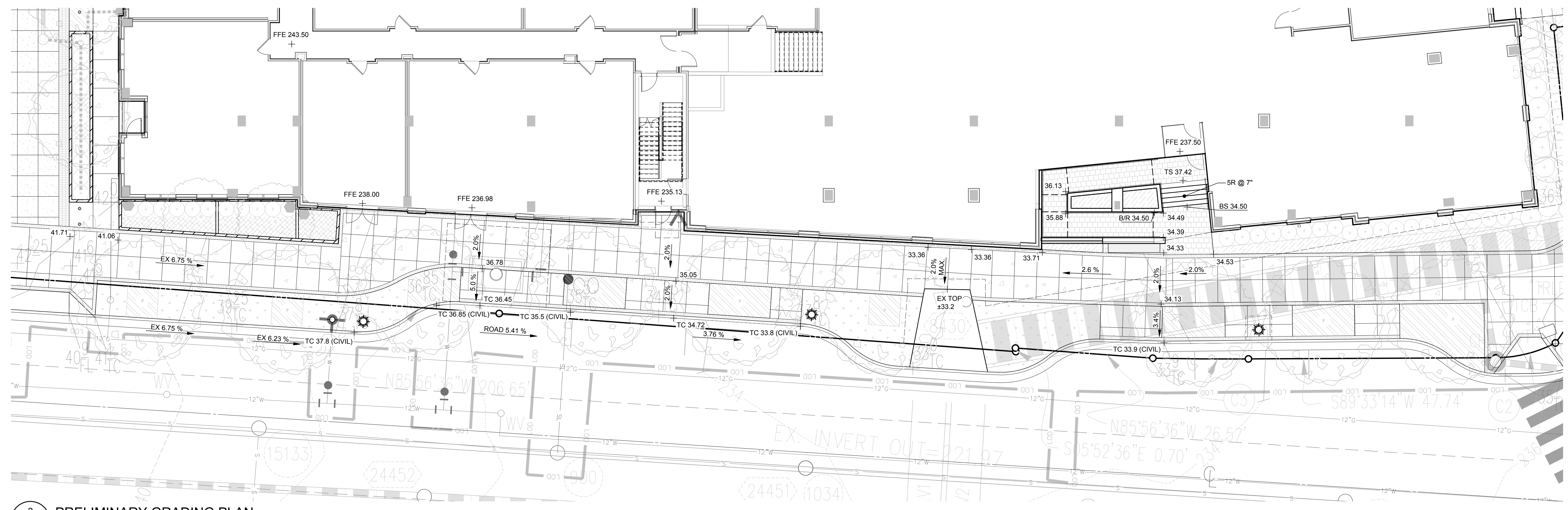
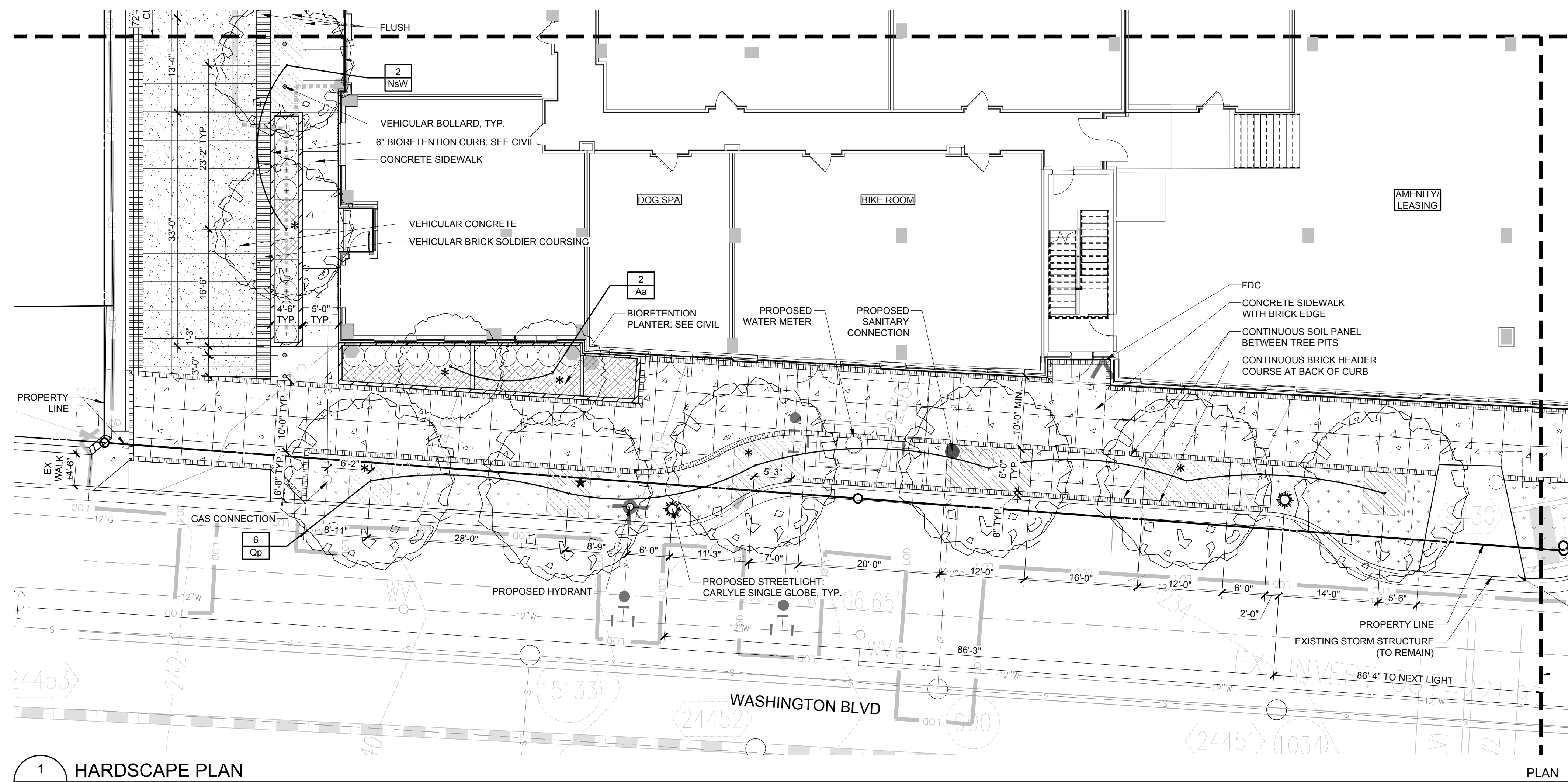
p:\2017\17051 Kirkwood6.0 cad files\4.1L-100 OVERALL SITE PLAN.dwg



Landscape Architecture, P.C.  
 6416 Greenhills Drive, Suite 100-A  
 Alexandria, Virginia 22310  
 Tel: 703.719.6500 Fax: 703.719.6503  
 Email: frontdesk@studio39.com

**WASHINGTON BOULEVARD at KIRKWOOD**  
 ARLINGTON COUNTY, VIRGINIA

THIS DOCUMENT AND THE IDEAS AND DESIGN INCORPORATED HEREIN ARE THE PROPERTY OF PROFESSIONAL SERVICE, INC. AND ARE TO BE USED ONLY AS SHOWN ON THE DRAWING. NO PART OF THIS PROJECT SHOULD BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT THE WRITTEN PERMISSION OF STUDIO 39 LANDSCAPE ARCHITECTURE, P.C.  
 © STUDIO 39 LANDSCAPE ARCHITECTURE, P.C.



REVISIONS:

**WASHINGTON BLVD ENLARGEMENT**

DESIGN: DD  
 DRAWN: SS  
 CHECKED: SS

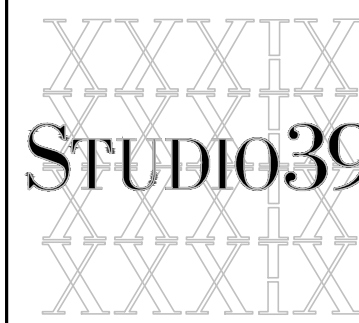
SCALE: 1" = 10'-0"

PROJECT NO: 17051  
 DATE: 04.27.18

**L-101**  
 SECOND PRELIM  
 4.1

NOT RELEASED FOR CONSTRUCTION

p:\2017\17051 Kirkwood6.0 cad files\4.1\L-101 WASHINGTON BLVD HARDSCAPE PLAN.dwg



Landscape Architecture, P.C.

6416 Greenhills Drive, Suite 100-A  
Alexandria, Virginia 22310  
Tel: 703.719.6500 Fax: 703.719.6503  
Email: frontdesk@studio39.com

# WASHINGTON BOULEVARD at KIRKWOOD

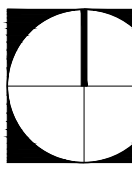
ARLINGTON COUNTY, VIRGINIA

THIS DOCUMENT AND THE IDEAS AND DESIGN INCORPORATED HEREIN ARE THE PROPERTY OF PROFESSIONAL SERVICE STAFF, INC. NO PART OF THIS DOCUMENT OR THE IDEAS OR DESIGN HEREIN MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF STUDIO 39 LANDSCAPE ARCHITECTURE, P.C.

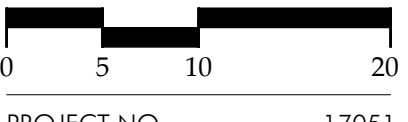
© STUDIO 39 LANDSCAPE ARCHITECTURE, P.C.

REVISIONS:

CORNER ENLARGEMENT

	DESIGN: DD
	DRAWN: SS
	CHECKED: SS

SCALE: 1" = 10'-0"



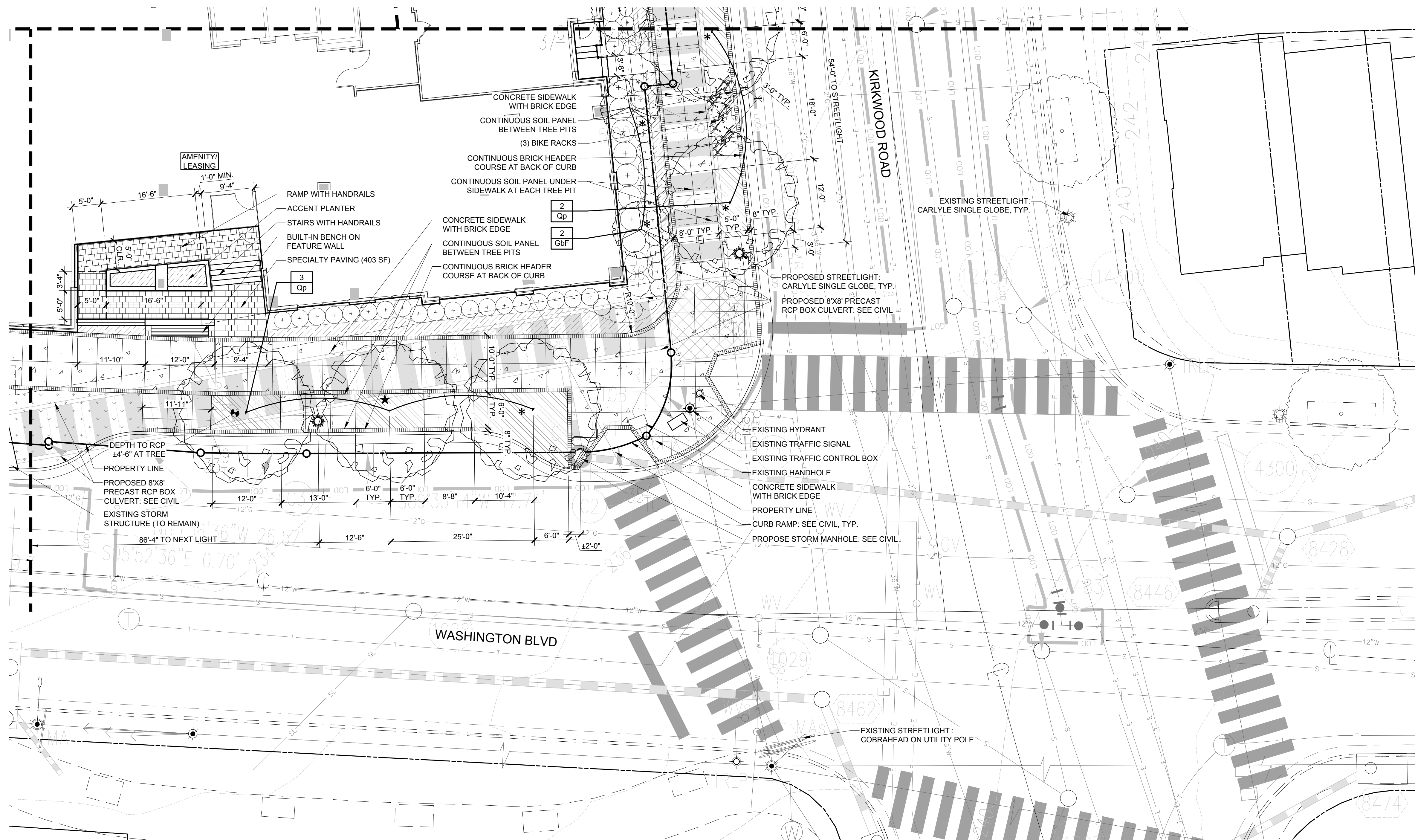
PROJECT NO: 17051

DATE: 04.27.18

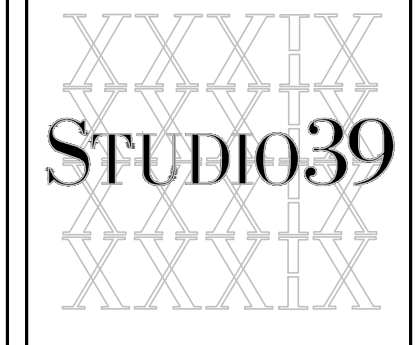
# L-102

SECOND PRELIM  
4.1

NOT RELEASED FOR CONSTRUCTION







Landscape Architecture, P.C.

6416 Greenfield Drive, Suite 100-A  
Alexandria, Virginia 22310  
Tel: 703.719.6500 Fax: 703.719.6503  
Email: frontdesk@studio39.com

# WASHINGTON BOULEVARD at KIRKWOOD

ARLINGTON COUNTY, VIRGINIA

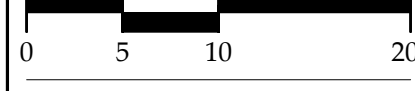
THIS DOCUMENT AND THE IDEAS AND DESIGN INCORPORATED HEREIN ARE THE PROPERTY OF PROFESSIONAL SERVICE, INC. NO PART OF THIS DOCUMENT OR ANY INFORMATION CONTAINED HEREIN IS TO BE COPIED OR REPRODUCED IN ANY MANNER OR FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF STUDIO 39 LANDSCAPE ARCHITECTURE, P.C.  
© STUDIO 39 LANDSCAPE ARCHITECTURE, P.C.

REVISIONS:


## KIRKWOOD ROAD ENLARGEMENT

	DESIGN: DD
	DRAWN: SS
	CHECKED: SS

SCALE: 1" = 10'-0"



PROJECT NO: 17051  
DATE: 04.27.18

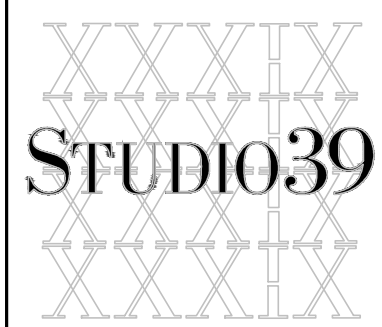
# L-103

SECOND PRELIM  
4.1

NOT RELEASED FOR CONSTRUCTION



p:\2017\17051 Kirkwood6.0 cad files\4.1L-103 KIRKWOOD ROAD ENLARGEMENT.dwg



Landscape Architecture, P.C.

6416 Greenhills Drive, Suite 100-A  
Alexandria, Virginia 22310  
Tel: 703.719.6500 Fax: 703.719.6503  
Email: frontdesk@studio39.com

# WASHINGTON BOULEVARD at KIRKWOOD

ARLINGTON COUNTY, VIRGINIA

THIS DOCUMENT AND THE IDEAS AND DESIGN INCORPORATED HEREIN ARE THE PROPERTY OF PROFESSIONAL SERVICE, INC. AND ARE TO BE USED ONLY AS SHOWN ON THE DRAWING. NO PART OF THIS PROJECT SHOULD BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT THE WRITTEN PERMISSION OF STUDIO 39 LANDSCAPE ARCHITECTURE, P.C.

© STUDIO 39 LANDSCAPE ARCHITECTURE, P.C.

REVISIONS:

## COURTYARD AND ALLEY ENLARGEMENT

DESIGN: DD  
DRAWN: SS  
CHECKED: SS

SCALE: 1" = 10'-0"

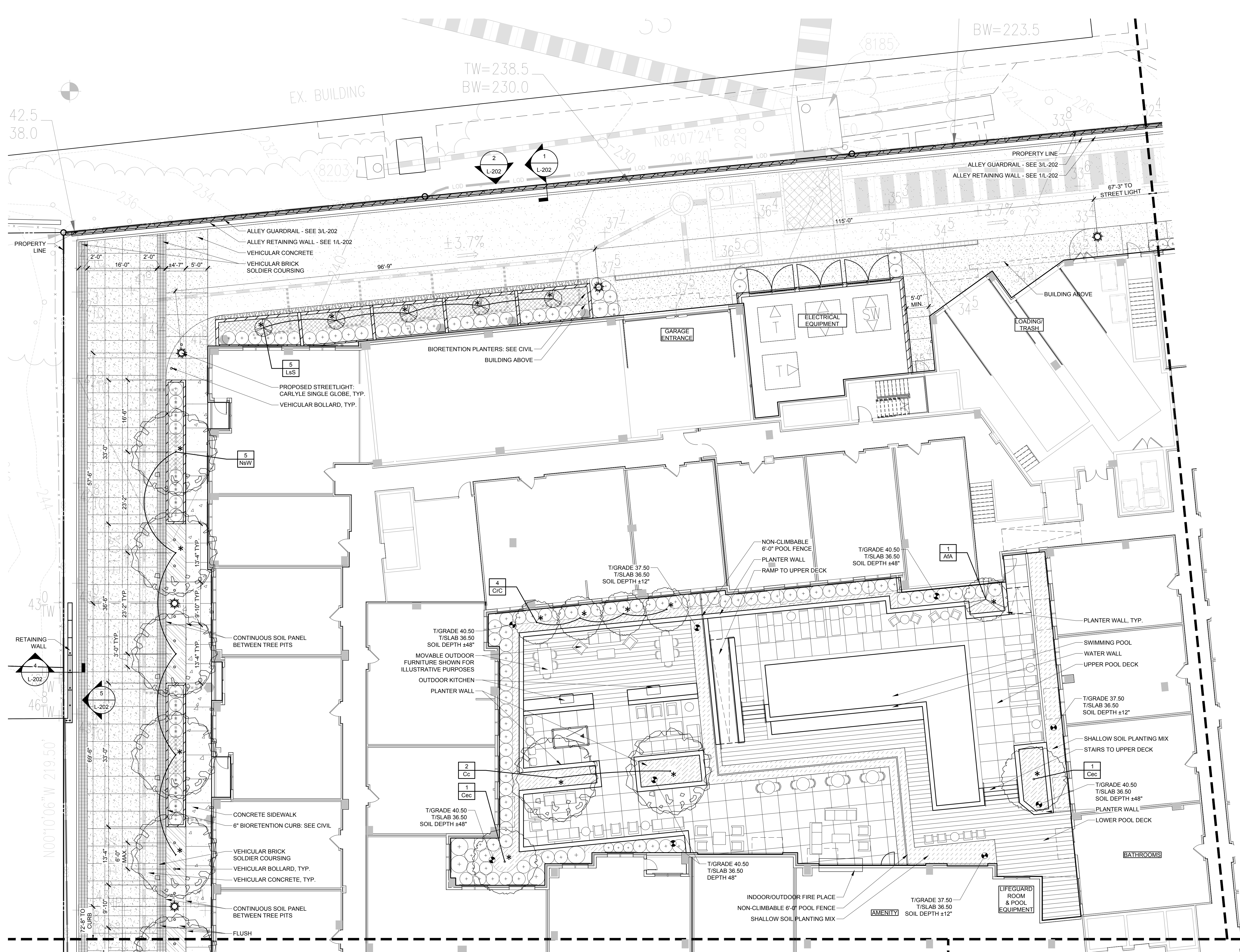
PROJECT NO: 17051

DATE: 04.27.18

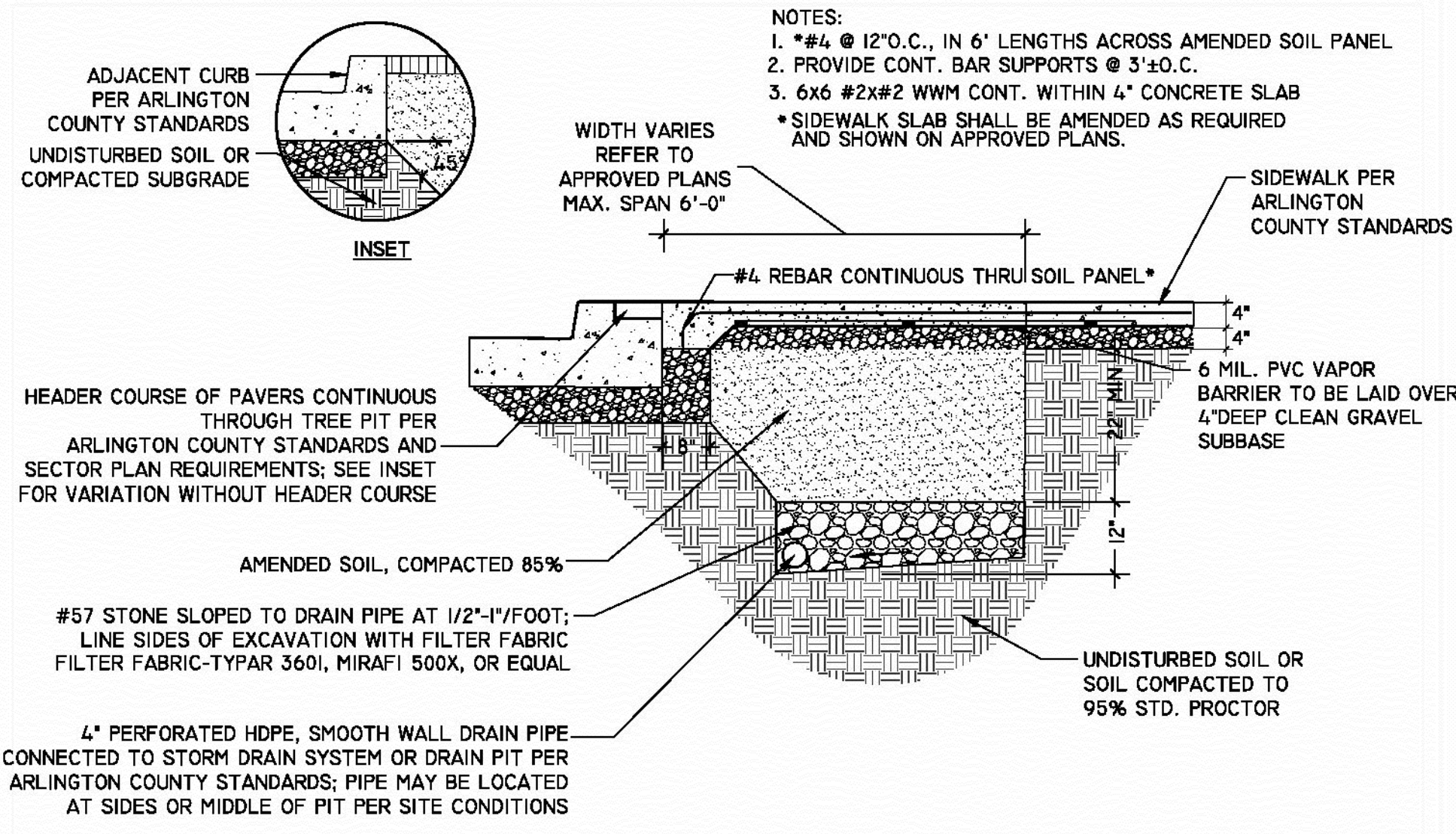
# L-104

SECOND PRELIM  
4.1

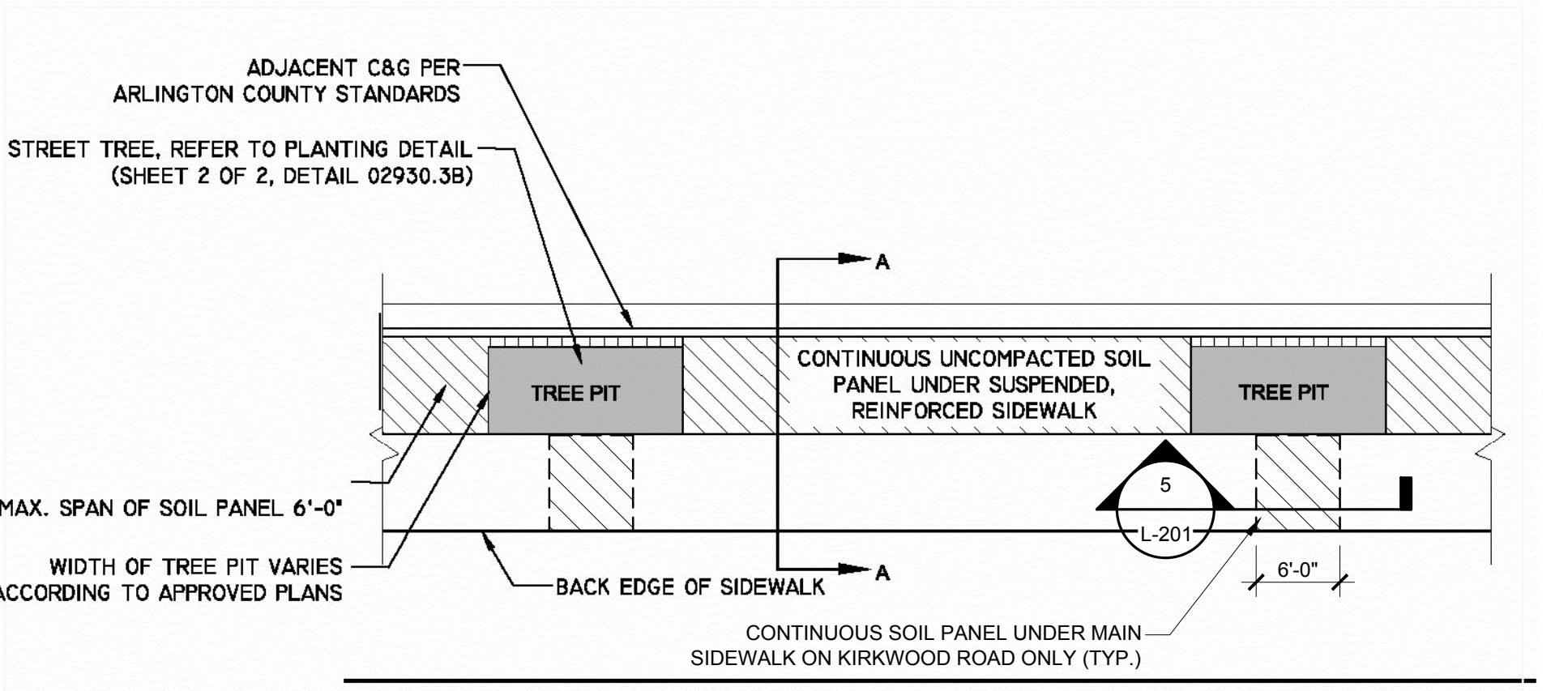
NOT RELEASED FOR CONSTRUCTION



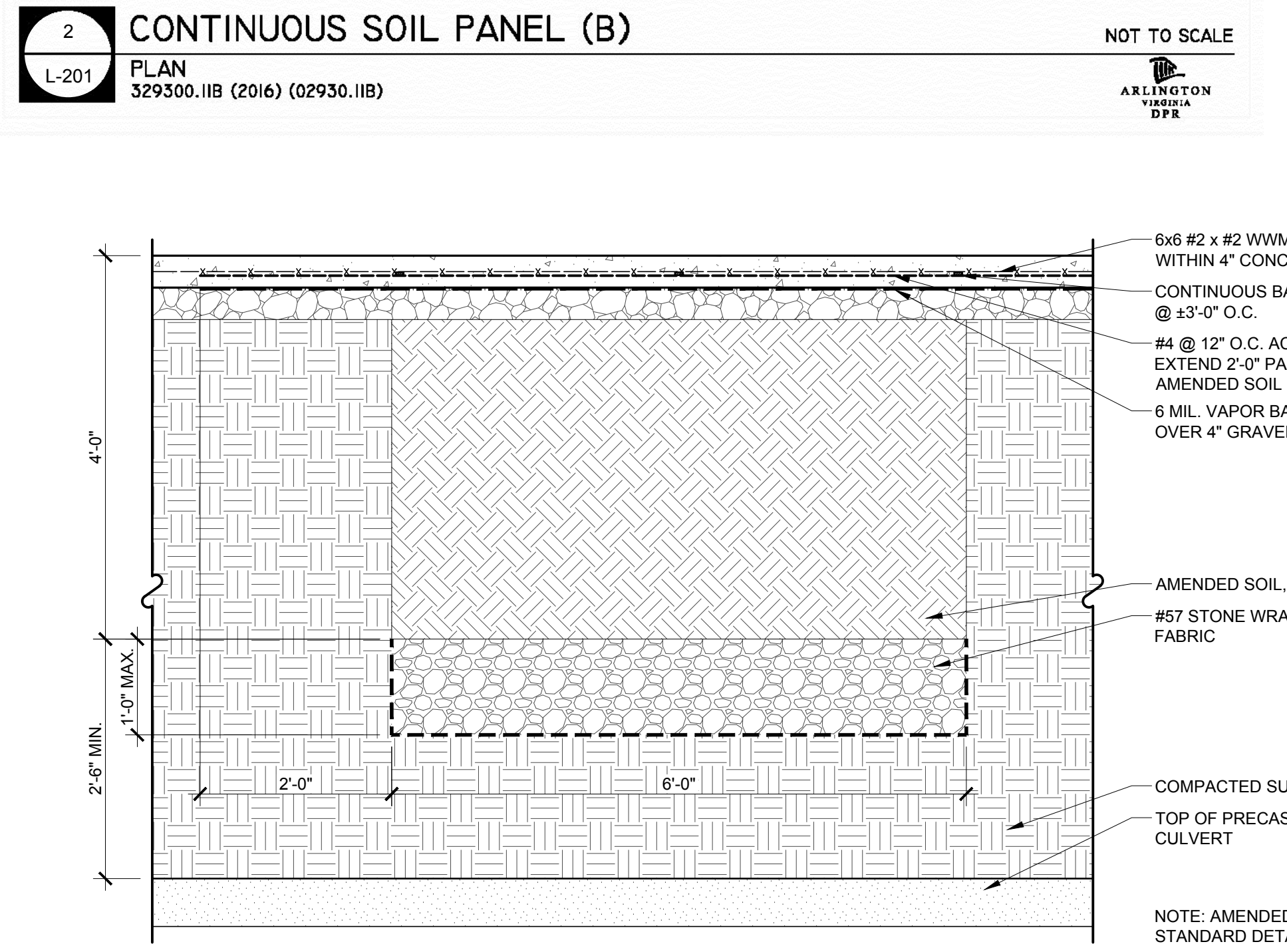
p:\2017\17051 Kirkwood6.0 cad files\4.1-L-104 COURTYARD AND ALLEY ENLARGEMENT.dwg



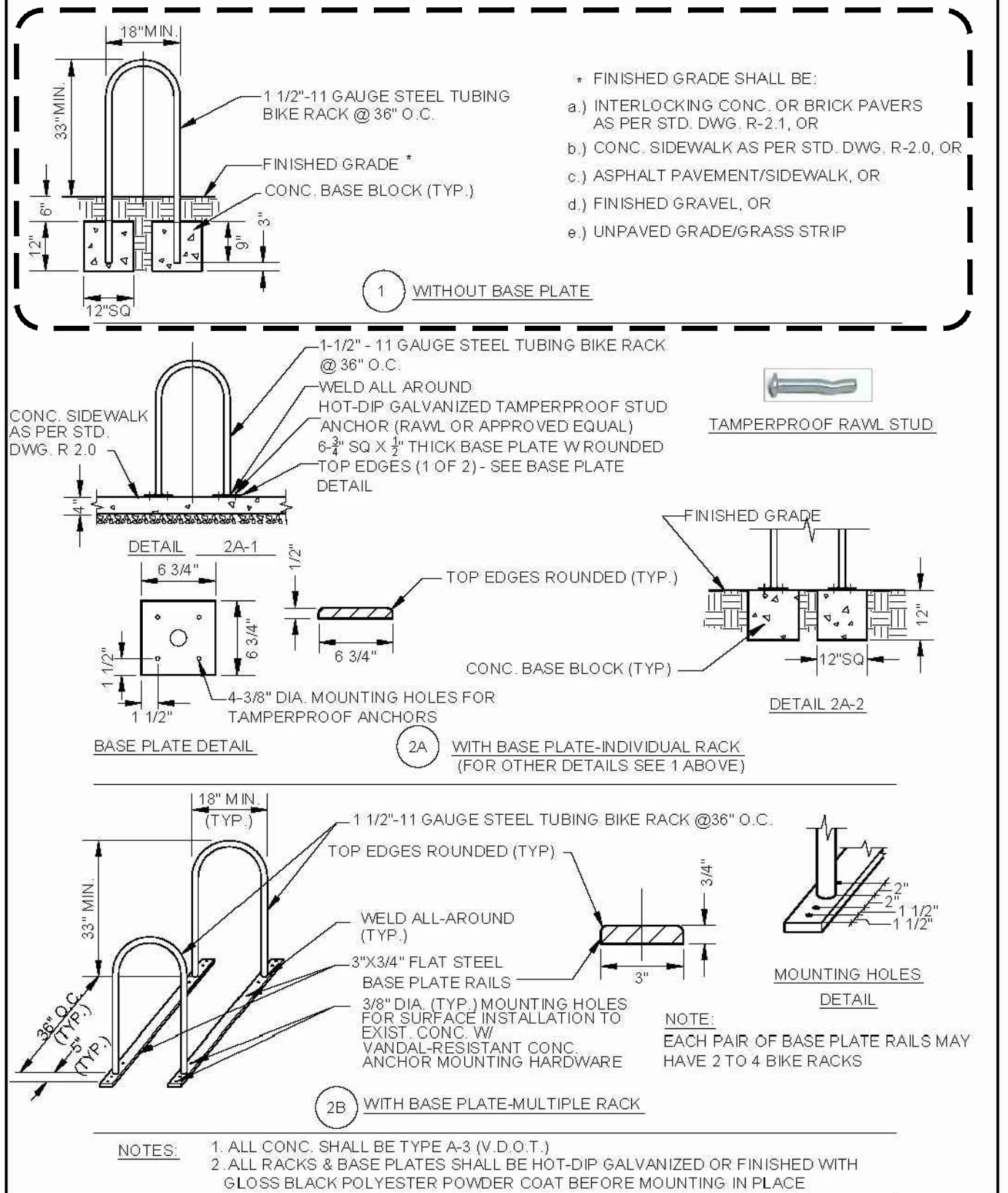
1 CONTINUOUS SOIL PANEL (A)  
 SECTION  
 L-201 329300.IIA (2016) (02930.IIA) NOT TO SCALE



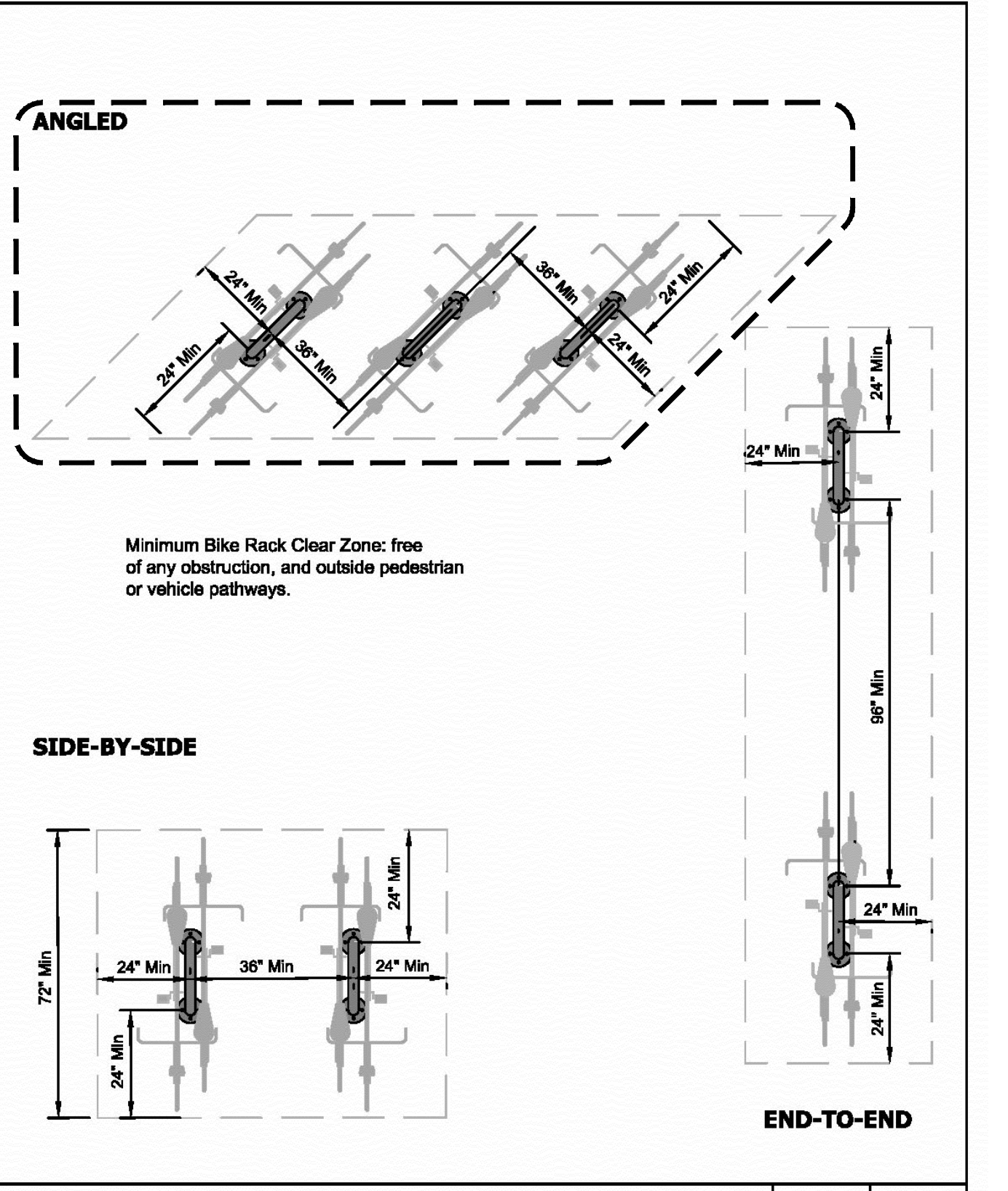
2 CONTINUOUS SOIL PANEL (B)  
 PLAN  
 L-201 329300.IIB (2016) (02930.IIB) NOT TO SCALE



3 CONTINUOUS SOIL PANEL UNDER MAIN SIDEWALK  
 SECTION  
 L-201 Scale: 3/4" = 1'-0"



4 BIKE RACK  
 SECTION  
 L-201 Scale: NTS



5 BIKE RACK LAYOUT  
 PLAN  
 L-201 Scale: NTS

BIKE RACK	
ARLINGTON VIRGINIA	ARLINGTON COUNTY, VIRGINIA DEPARTMENT OF ENVIRONMENTAL SERVICES
DATE: 07/11/2013	DRAWING NO. R-8.0

BIKE RACK LAYOUT	
ARLINGTON VIRGINIA	ARLINGTON COUNTY, VIRGINIA DEPARTMENT OF ENVIRONMENTAL SERVICES
DATE: 07/11/2013	DRAWING NO. R-8.1



5 CONTINUOUS SOIL PANEL UNDER MAIN SIDEWALK  
 SECTION  
 L-201 Scale: 3/4" = 1'-0"

REVISIONS:

NO.	DESCRIPTION

HARDSCAPE DETAILS

DESIGN: DD  
 DRAWN: SS  
 CHECKED: SS

SCALE: Viewport Scale

PROJECT NO: 17051  
 DATE: 04.27.18

P:\2017\17051 Kirkwood\6.0 cad files\4.1L-201\_HARDSCAPE DETAILS.dwg

NOT RELEASED FOR CONSTRUCTION

REVISIONS:

HARDSCAPE  
DETAILS

DESIGN: DD  
DRAWN: SS  
CHECKED: SS

SCALE: AS NOTED

PROJECT NO: 17051

DATE: 04.27.18

L-202

SECOND PRELIM  
4.1

NOT RELEASED FOR CONSTRUCTION

