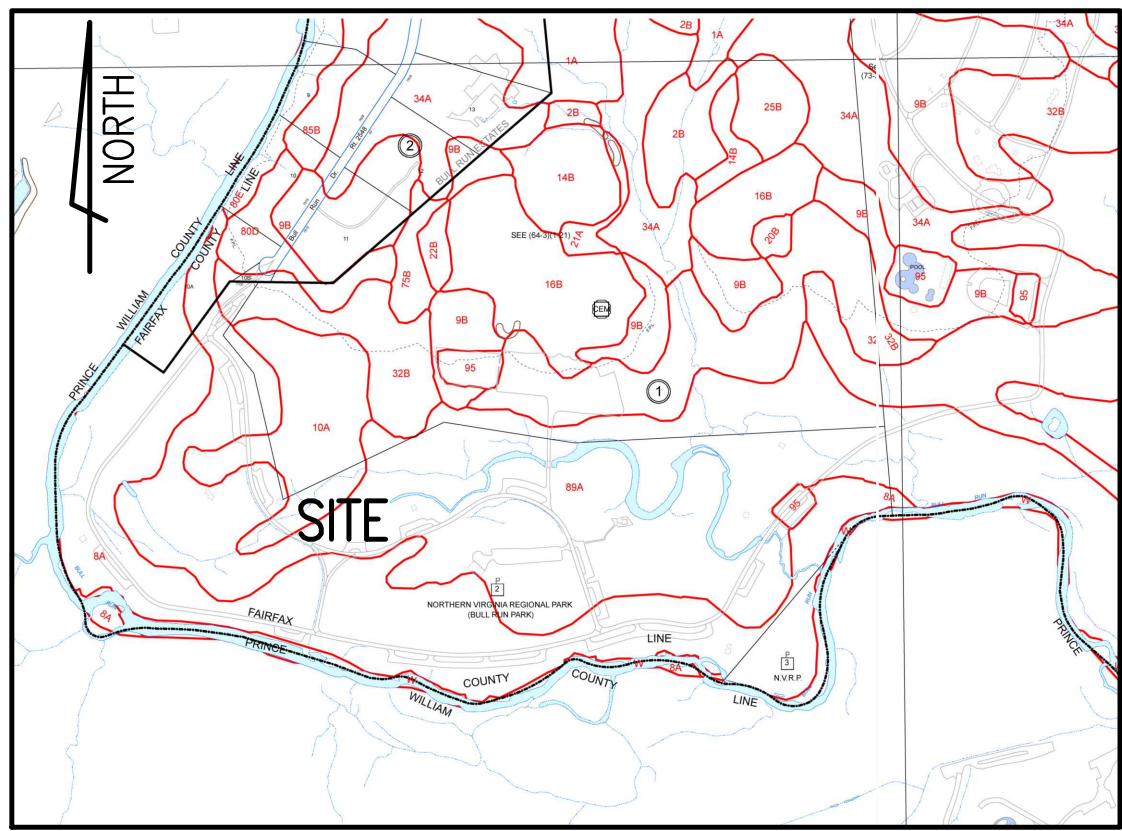
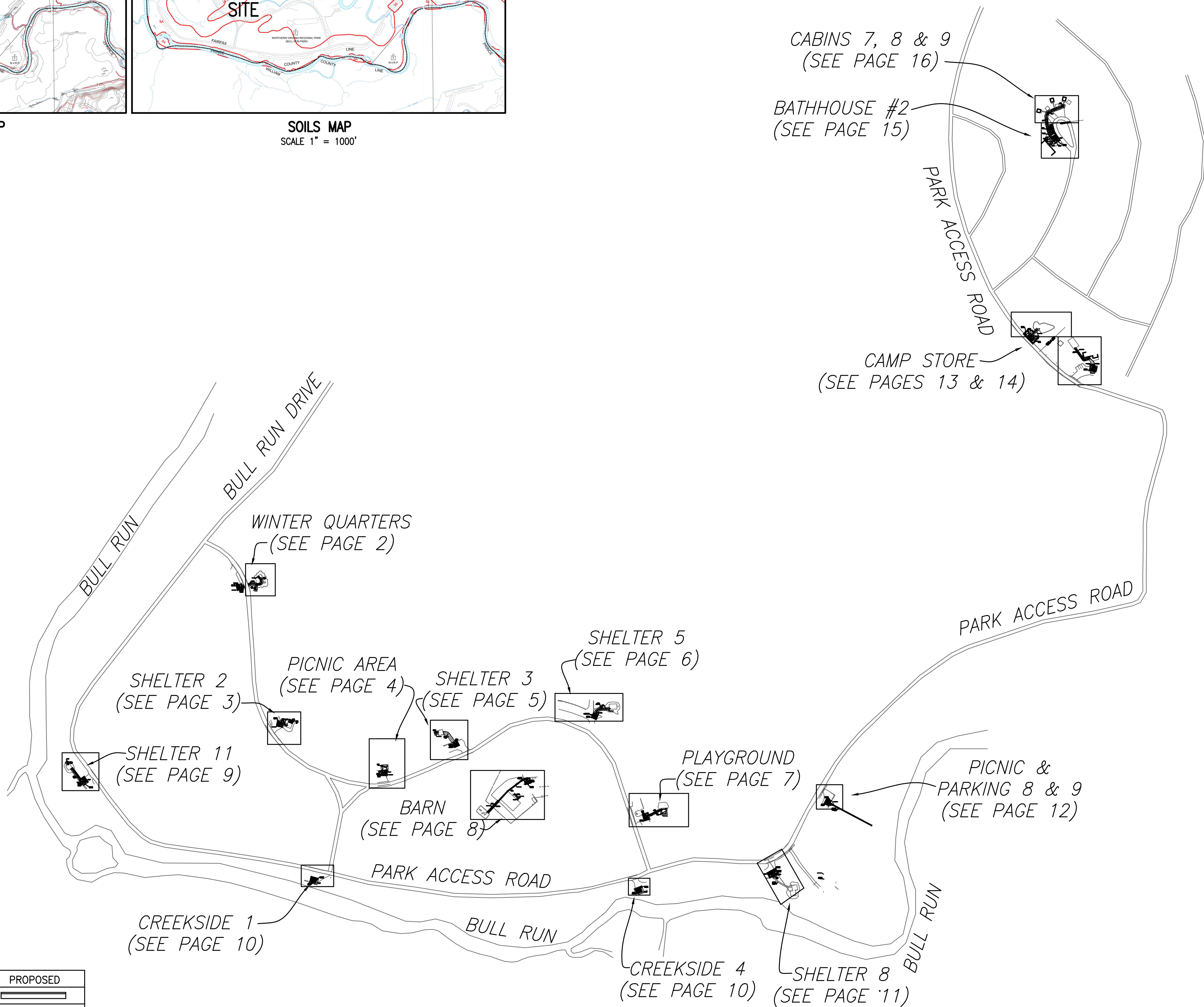


VICINITY & TOPO MAP
SCALE 1" = 1000'



SOILS MAP
SCALE 1" = 1000'



KEY MAP

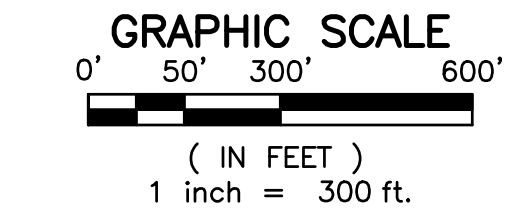
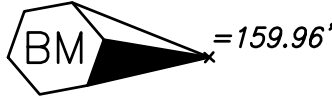
CIVIL LEGEND:

ITEM	EXISTING	PROPOSED
CURB & GUTTER		
SIDEWALK		
FIRE HYDRANT		
STRUCTURES		
WATER MAINS		
GAS MAINS		
TELEPHONE LINES		
STORM SEWER		
SANITARY SEWER		
PAVING		
FENCES		
POWER LINES		
SPOT ELEVATIONS		
CONTOURS		
BUILDING ENTRANCES		
UTILITY POLE		
LIGHT POLE		
LIMITS OF DISTURBANCE		

TOPOGRAPHY NOTE:

THIS TOPOGRAPHIC SURVEY WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF RONALD J. KELLER, LS FROM AN ACTUAL GROUND SURVEY MADE UNDER MY SUPERVISION; THE IMAGERY AND/OR ORIGINAL DATA WAS OBTAINED ON APRIL 17, 2017 AND THIS PLAT, MAP OR DIGITAL GEOSPATIAL DATA INCLUDING METADATA MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.

BENCHMARKS FOR INDIVIDUAL AREAS SHOWN THUS:



GENERAL NOTES:

1. TAX MAP: #073-2-01-0001
2. ZONE: RC
3. OWNER: NORTHERN VIRGINIA REGIONAL PARK AUTHORITY
5400 OX ROAD
FAIRFAX STATION, VIRGINIA 22039
DB: 2270 PG: 448
4. A TOPOGRAPHIC SURVEY WAS FIELD RUN BY THIS FIRM. VERTICAL DATUM = NGVD '29 GPS/RTK FIELD SURVEY REFERENCED TO THE RTK NETWORK OF CARON EAST AND USING NGS SOFTWARE (VERTCON) FOR VERTICAL DATUM CONVERSION.
5. A TITLE REPORT WAS NOT FURNISHED, THUS ALL EASEMENTS MAY NOT BE SHOWN.
6. PLAT SUBJECT TO RESTRICTIONS OF RECORD.

TREE TABLE:

(1) 20" OAK	(50) 42" SYCAMORE	(99) 24" TREE
(2) 15" OAK	(51) 20" SYCAMORE	(100) 15" TREE
(3) 10" OAK	(52) 18" SYCAMORE	(101) 24" POPLAR
(4) 22" OAK	(53) 10" TREE	(102) 9" TREE
(5) 22" BEECH	(54) 16" OAK	(103) 18" TREE
(6) 9" OAK	(55) 15" TREE	(104) 15" TREE
(7) 12" OAK	(56) 30" OAK	(105) 25" TREE
(8) 18" OAK	(57) 24" OAK	(106) 10" TREE
(9) 9" OAK	(58) 24" MAPLE	(107) 12" TREE
(10) 9" OAK	(59) 24" OAK	(108) 24" OAK
(11) 14" OAK	(60) 24" MAPLE	(109) 24" OAK
(12) 8" OAK	(61) 36" MAPLE	(110) 12" TREE
(13) 20" OAK	(62) 36" SYCAMORE	(111) 12" TREE
(14) 20" OAK	(63) 22" MAPLE	(112) 18" TREE
(15) 22" OAK	(64) 24" OAK	(113) 15" TREE
(16) 22" OAK	(65) 24" OAK	(114) 15" TREE
(17) 14" OAK	(66) 24" OAK	(115) 30" TREE
(18) 16" SYCAMORE	(67) 24" OAK	(116) 16" PINE
(19) 24" OAK	(68) 15" OAK	(117) 12" TREE
(20) 16" OAK	(69) 8" OAK	(118) 15" TREE
(21) 16" OAK	(70) 18" OAK	(119) 18" CEDAR
(22) 17" OAK	(71) 18" OAK	(120) 20" PINE
(23) 12" SYCAMORE	(72) 17" OAK	(121) 12" CEDAR
(24) 18" POPLAR	(73) 20" MAPLE	(122) 24" TREE
(25) 22" SYCAMORE	(74) 20" MAPLE	(123) 10" CEDAR
(26) 10" OAK	(75) 18" MAPLE	(124) 12" CEDAR
(27) 20" OAK	(76) 30" MAPLE	(125) 36" OAK
(28) 24" POPLAR	(77) 30" OAK	(126) 28" TREE
(29) 36" POPLAR	(78) 18" OAK	(127) 14" TREE
(30) 18" OAK	(79) 24" OAK	(128) 28" TREE
(31) 14" OAK	(80) 24" OAK	(129) 48" TRIPLE TREE
(32) 16" POPLAR	(81) 15" TREE	(130) 8" TREE
(33) 20" POPLAR	(82) 27" OAK	(131) 12" TREE
(34) 10" POPLAR	(83) 30" OAK	(132) 8" TREE
(35) 9" OAK	(84) 18" TREE	(133) 20" TREE
(36) 9" OAK	(85) 22" OAK	(134) 12" TREE
(37) 24" OAK	(86) 24" OAK	(135) 30" TREE
(38) 15" TREE	(87) 15" TREE	(136) 12" TREE
(39) 12" OAK	(88) 20" TREE	(137) 12" TREE
(40) 9" POPLAR	(89) 15" TREE	(138) 22" TREE
(41) 24" GUM	(90) 20" OAK	(139) 20" TREE
(42) 12" TREE	(91) 20" OAK	(140) 20" TREE
(43) 16" POPLAR	(92) 17" TREE	(141) 22" TREE
(44) 24" TREE	(93) 24" OAK	(142) 24" TREE
(45) 15" TREE	(94) 24" OAK	(143) 36" TREE
(46) 18" SYCAMORE	(95) 40" MAPLE	(144) 18" PINE
(47) 12" TREE	(96) 18" TREE	(145) 22" PINE
(48) 18" ASH	(97) 15" TREE	(146) 28" TREE
(49) 20" CEDAR	(98) 20" TREE	

NOTE: NOT ALL TREE SPECIES ARE IDENTIFIED DUE TO THE TIME OF YEAR THE SURVEY WAS PERFORMED OR OTHER FACTORS. TREES THAT COULD NOT BE ACCURATELY IDENTIFIED ARE SIMPLY NAMED "TREE". FOR A DETAILED ASSESSMENT OF TREE TYPES, AN ARBORIST, LANDSCAPE ARCHITECT OR OTHER ARBORICULTURAL EXPERT SHOULD BE CONSULTED.

TEXT LEGEND:

*=DEGREES	DU=DWELLING UNIT	OHW=OVERHEAD WIRE
'=MINUTES (OR FEET)	E=EAST	OPT.=OPTIONAL
"=SECONDS (OR INCHES)	EX=EXISTING	PF=PLANTER BOX FILTER
%=PERCENT	FF=FINISHED FLOOR	PP=POWER POLE
sq.=SQUARE FEET	FF=FINISHED FLOOR	PVC=POLYVINYL CHLORIDE
#=NUMBER	FH=HYDRANT	R=RADIUS
@=AT	FO=FIBER OPTIC	RCP=REINFORCED CONCRETE PIPE
A=ARC	FT=FEET	REQ'D=REQUIRED
AC=ACRE	GL=GROUND LIGHT	RET.=RETAINING
A/C=AIR CONDITIONER	G/V=GAS VALVE	R/W=RIGHT-OF-WAY
AD=AREA DRAIN	G/M=GAS METER	S=SOUTH
APPROX.=APPROXIMATE(LY)	H.C.=HEADER CURB	SAN.=SANITARY
B.C.=BACK OF CURB	HDGP.=HANDICAP	SQ.=SQUARE
BF=BASEMENT FLOOR	HDPE=HIGH DENSITY POLYETHYLENE	SQ.FT.=SQUARE FEET
BLDG.=BUILDING	HVAC=HEATING, VENTILATION, AIR	STM.=STORM
BOL.=BOLLARD	CONDIONING	TBR=TO BE REMOVED
BW=BOTTOM OF WALL	IPF=IRON PIPE FOUND	TBS=TO BE SAVED
CATV=CABLE TV UTILITY	IPS=IRON PIPE SET	TW=TOP OF WALL
CL=CLASS	INV.=INVERT	TYP=TYPICAL
C/L=CENTERLINE	LOC.=LOCATION	UP=UTILITY POLE
CLR=CLEARANCE	LP=LIGHT POLE	VCS=VIRGINIA COORDINATE SYSTEM
COL.=COLUMN	MAX.=MAXIMUM	VERT=VERTICAL
CMP=CORRUGATED METAL PIPE	MH=MANHOLE	W=WEST
C.I.=CURB INLET	MIN.=MINIMUM	W.S.E.=WATER SURFACE ELEVATION
C.O.=CLEAN OUT	MISC.=MISCELLANEOUS	WM=WATER MAIN
C&G=CURB & GUTTER	MPH=MILES PER HOUR	W/V=WATER VALVE
D=DROP INLET	NAD=NORTH AMERICAN DATUM	W/M=WATER METER
D.S.=DOWNSPOUT	NTS=NOT TO SCALE	W.W.=WINDOW WELL
	N=NORTH	

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

ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF FAIRFAX COUNTY, VIRGINIA.
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DATE	REVISION

DESIGN: BD
DRAWN: JD
SCALE: 1" = 300'
DATE: 5 SEPT. 2018

ACCESSIBILITY IMPROVEMENTS

KEY MAP TO AREAS SURVEYED

SHEET **1** OF **19**

FILE: **17-36**

7. LIMITS OF DISTURBANCE: 2,378 SF







NOTE: NOT ALL TREE SPECIES ARE IDENTIFIED DUE TO THE TIME OF YEAR THE SURVEY WAS PERFORMED OR OTHER FACTORS. TREES THAT COULD NOT BE ACCURATELY IDENTIFIED ARE SIMPLY NAMED "TREE". FOR A DETAILED ASSESSMENT OF TREE TYPES, AN ARBORIST, LANDSCAPE ARCHITECT OR OTHER ARBORICULTURAL EXPERT SHOULD BE CONSULTED.

GRAPHIC SCALE
0' 5' 10' 20'
(IN FEET)
1 inch = 10 ft.

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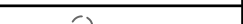

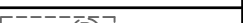


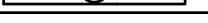
















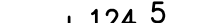




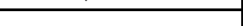
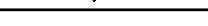


FILE: 17-36

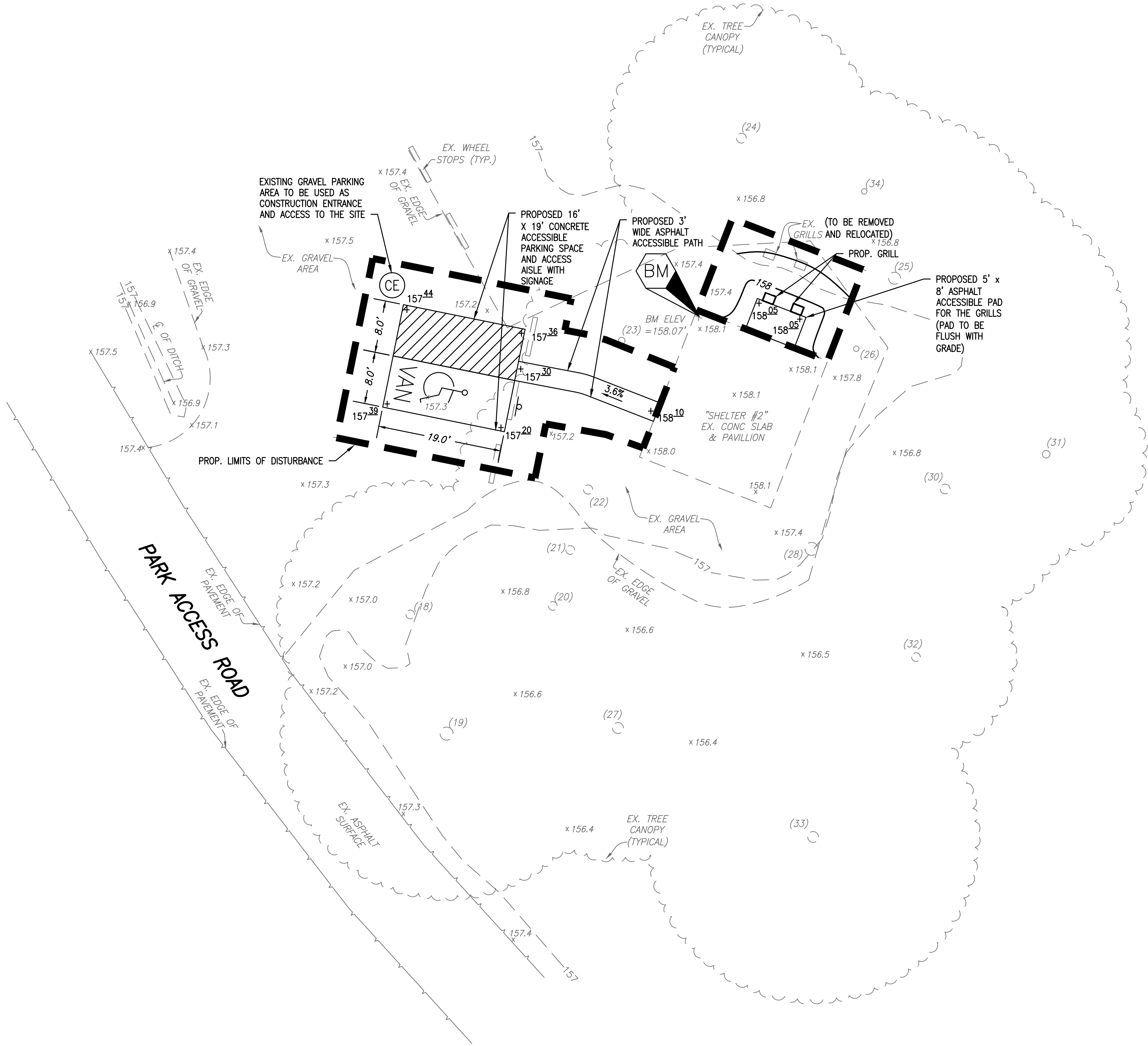
A:\2017\1736\DWG\1736-BULL-RUN.DWG
Wed, Sep 05, 2019 - 4:03:57pm

VIRGINIA UNIFORM CODING SYSTEM	
KEY DESCRIPTIONS:	
	CONSTRUCTION ENTRANCE STANDARD AND SPECIFICATION #3.02
	SAFETY FENCE STANDARD AND SPECIFICATION #3.01
	SILT FENCE STANDARD AND SPECIFICATION #3.05
	PERMANENT SEEDING STANDARD AND SPECIFICATION #3.32

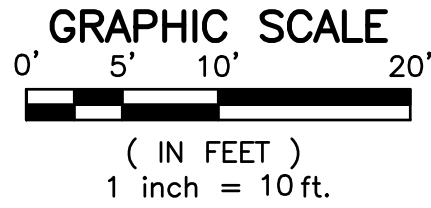
NOTE: REFER TO EROSION AND SEDIMENT CONTROL NOTES
AND SEQUENCE OF CONSTRUCTION ON SHEET 17.

CIVIL LEGEND:

ITEM	EXISTING	PROPOSED
CURB & GUTTER		
SIDEWALK		
FIRE HYDRANT		
STRUCTURES		
WATER MAINS		
GAS MAINS		
TELEPHONE LINES		
STORM SEWER		
SANITARY SEWER		
PAVING		
FENCES		
EXISTING TREES		
SPOT ELEVATIONS		
CONTOURS		
BUILDING ENTRANCES		
UTILITY POLE		
LIGHT POLE		
LIMITS OF DISTURBANCE		



SHELTER #2



GENERAL NOTES:

1. TAX MAP: #073-2-01-0001
2. ZONE: RC
3. OWNER: NORTHERN VIRGINIA REGIONAL PARK AUTHORITY
5400 OX ROAD
FAIRFAX STATION, VIRGINIA 22039
DB: 2270 PG: 448
4. A TOPOGRAPHIC SURVEY WAS FIELD RUN BY THIS FIRM. VERTICAL DATUM = NGVD '29 GPS/RTK FIELD SURVEY REFERENCED TO THE RTK NETWORK OF CARON EAST AND USING NGS SOFTWARE (VERTCON) FOR VERTICAL DATUM CONVERSION.
5. A TITLE REPORT WAS NOT FURNISHED, THUS ALL EASEMENTS MAY NOT BE SHOWN.
6. PLAT SUBJECT TO RESTRICTIONS OF RECORD.
7. LIMITS OF DISTURBANCE: 1,421 SF



TREE TABLE:

- (18) 16" SYCAMORE
(19) 24" OAK
(20) 16" OAK
(21) 16" OAK
(22) 17" OAK
(23) 12" SYCAMORE
(24) 18" POPLAR
(25) 22" SYCAMORE
(26) 10" OAK
(27) 20" OAK
(28) 24" POPLAR
(29) 36" POPLAR
(30) 18" OAK
(31) 14" OAK
(32) 16" POPLAR
(33) 20" POPLAR
(34) 10" POPLAR

NOTE: NOT ALL TREE SPECIES ARE IDENTIFIED DUE TO THE TIME OF YEAR THE SURVEY WAS PERFORMED OR OTHER FACTORS. TREES THAT COULD NOT BE ACCURATELY IDENTIFIED ARE SIMPLY NAMED "TREE". FOR A DETAILED ASSESSMENT OF TREE TYPES, AN ARBORIST, LANDSCAPE ARCHITECT OR OTHER ARBORICULTURAL EXPERT SHOULD BE CONSULTED.

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ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF FAIRFAX COUNTY, VIRGINIA.
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R.C. FIELDS & ASSOCIATES, INC.
ENGINEERING • LAND SURVEYING • PLANNING
730 S. Washington Street
Alexandria, Virginia 22314
www.rcfields.com
(703) 549-6422



ACCESSIBILITY IMPROVEMENTS
ON A PORTION OF THE PROPERTY AT THE
BULL RUN REGIONAL PARK
(7700 BULL RUN DRIVE)
SULLY DISTRICT
FAIRFAX COUNTY, VIRGINIA

DATE	REVISION

DESIGN: BD
DRAWN: JD
SCALE: 1" = 10'
DATE: 5 SEPT. 2018

ACCESSIBILITY IMPROVEMENTS
SHELTER #2

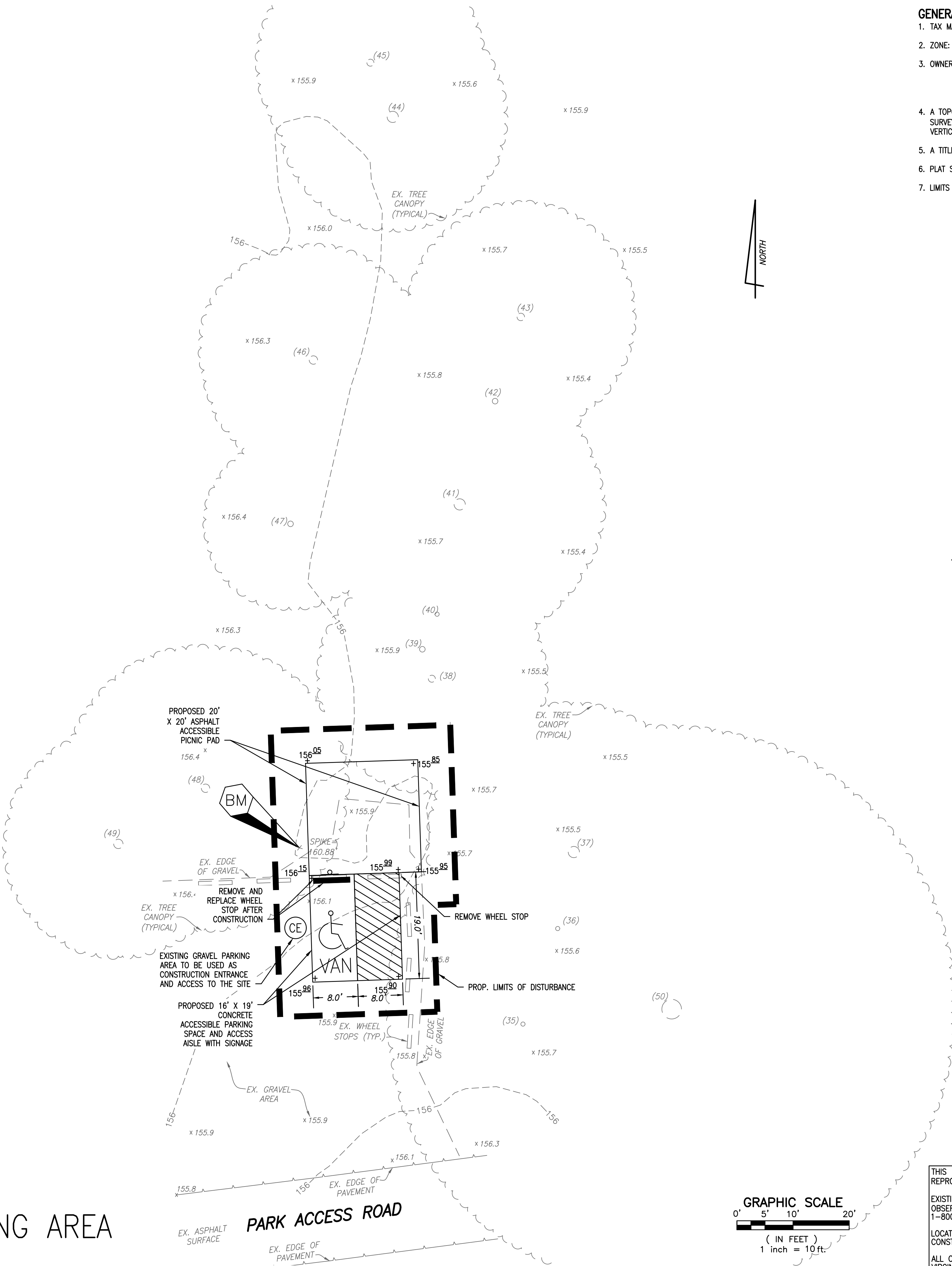
SHEET **3** OF **19**
FILE: **17-36**

7. LIMITS OF DISTURBANCE: 1,555 SF

NOTE: NOT ALL TREE SPECIES ARE IDENTIFIED DUE TO THE TIME OF YEAR THE SURVEY WAS PERFORMED OR OTHER FACTORS. TREES THAT COULD NOT BE ACCURATELY IDENTIFIED ARE SIMPLY NAMED "TREE". FOR A DETAILED ASSESSMENT OF TREE TYPES, AN ARBORIST, LANDSCAPE ARCHITECT OR OTHER ARBORICULTURAL EXPERT SHOULD BE CONSULTED.

NOTE: REFER TO EROSION AND SEDIMENT CONTROL NOTES
AND SEQUENCE OF CONSTRUCTION ON SHEET 17.

CIVIL LEGEND:		
ITEM	EXISTING	PROPOSED
CURB & GUTTER		
SIDEWALK		
FIRE HYDRANT		
STRUCTURES		
WATER MAINS		
GAS MAINS		
TELEPHONE LINES		
STORM SEWER		
SANITARY SEWER		
PAVING		
FENCES		
EXISTING TREES	(1)	
SPOT ELEVATIONS	+ 124.5	+ 124.5
CONTOURS	---124---	---124---
BUILDING ENTRANCES		
UTILITY POLE		
LIGHT POLE		
LIMITS OF DISTURBANCE		



ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF FAIRFAX COUNTY, VIRGINIA. © 2018 R.C. FIELDS & ASSOCIATES, INC.

GENERAL NOTES:

1. TAX MAP: #073-2-01-0001
2. ZONE: RC
3. OWNER: NORTHERN VIRGINIA REGIONAL PARK AUTHORITY
5400 OX ROAD
FAIRFAX STATION, VIRGINIA 22039
DB: 2270 PG: 448
4. A TOPOGRAPHIC SURVEY WAS FIELD RUN BY THIS FIRM. VERTICAL DATUM = NGVD '29 GPS/RTK FIELD SURVEY REFERENCED TO THE RTK NETWORK OF CARON EAST AND USING NGS SOFTWARE (VERTCON) FOR VERTICAL DATUM CONVERSION.
5. A TITLE REPORT WAS NOT FURNISHED, THUS ALL EASEMENTS MAY NOT BE SHOWN.
6. PLAT SUBJECT TO RESTRICTIONS OF RECORD.
7. LIMITS OF DISTURBANCE: 1,952 SF

DATE	REVISION

DESIGN: BD
DRAWN: JD
SCALE: 1" = 10'
DATE: 5 SEPT. 2018

ACCESSIBILITY IMPROVEMENTS
SHELTER #3

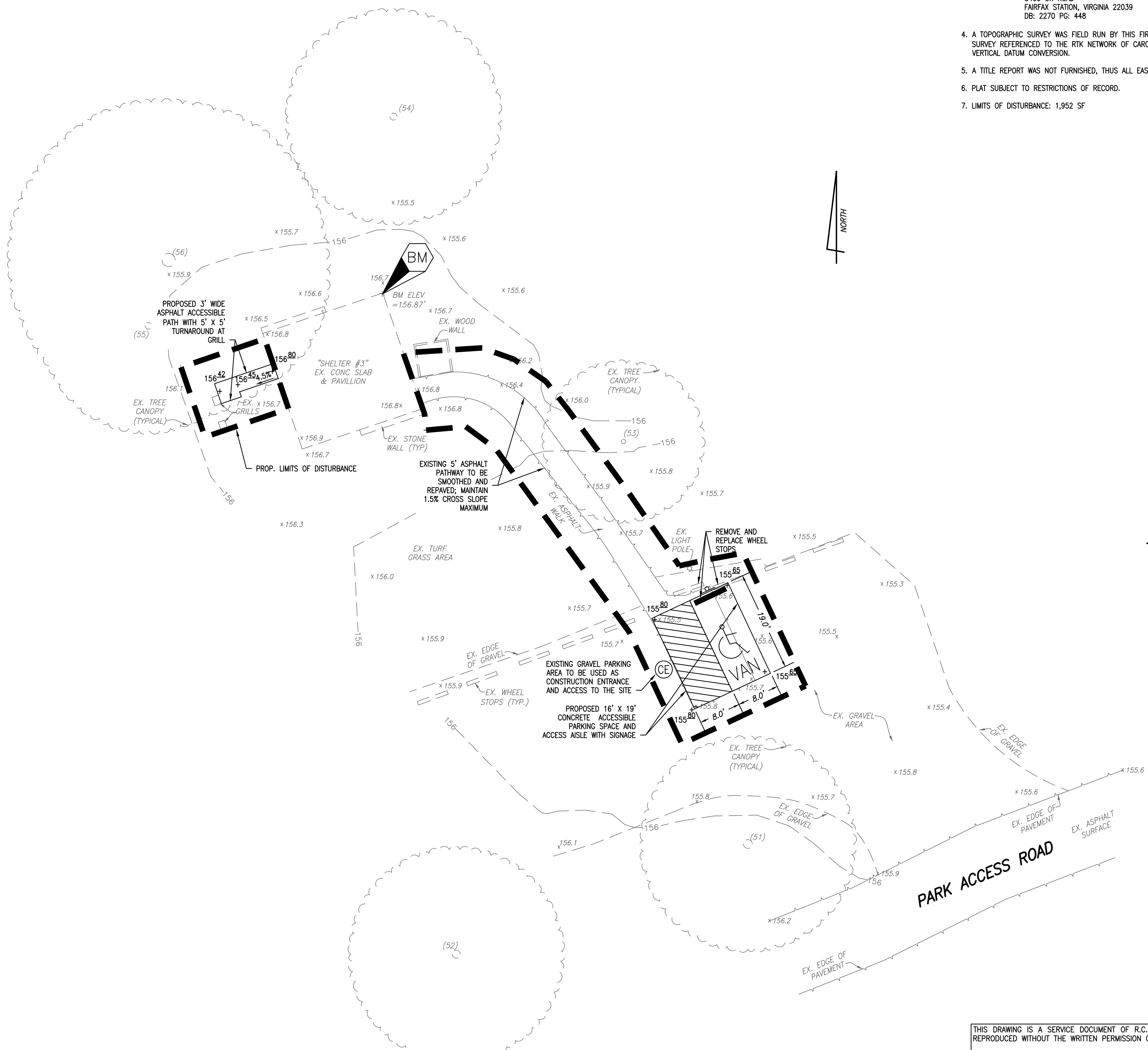
VIRGINIA UNIFORM CODING SYSTEM
KEY DESCRIPTIONS:

- CE CONSTRUCTION ENTRANCE
STANDARD AND SPECIFICATION #3.02
- SAF SAFETY FENCE
STANDARD AND SPECIFICATION #3.01
- SF SILT FENCE
STANDARD AND SPECIFICATION #3.05
- PS PERMANENT SEEDING
STANDARD AND SPECIFICATION #3.32

NOTE: REFER TO EROSION AND SEDIMENT CONTROL NOTES
AND SEQUENCE OF CONSTRUCTION ON SHEET 17.

CIVIL LEGEND:

ITEM	EXISTING	PROPOSED
CURB & GUTTER		
SIDEWALK		
FIRE HYDRANT		
STRUCTURES		
WATER MAINS		
GAS MAINS		
TELEPHONE LINES		
STORM SEWER		
SANITARY SEWER		
PAVING		
FENCES		
EXISTING TREES		
SPOT ELEVATIONS		
CONTOURS		
BUILDING ENTRANCES		
UTILITY POLE		
LIGHT POLE		
LIMITS OF DISTURBANCE		



TREE TABLE:

- (51) 20" SYCAMORE
(52) 18" SYCAMORE
(53) 10" TREE
(54) 16" OAK
(55) 15" TREE
(56) 30" OAK

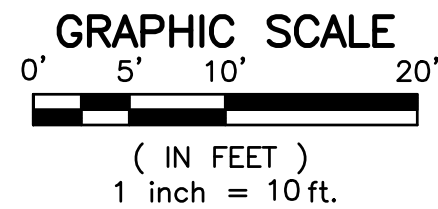
NOTE: NOT ALL TREE SPECIES ARE IDENTIFIED DUE TO THE TIME OF YEAR THE SURVEY WAS PERFORMED OR OTHER FACTORS. TREES THAT COULD NOT BE ACCURATELY IDENTIFIED ARE SIMPLY NAMED "TREE". FOR A DETAILED ASSESSMENT OF TREE TYPES, AN ARBORIST, LANDSCAPE ARCHITECT OR OTHER ARBORICULTURAL EXPERT SHOULD BE CONSULTED.

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A:\2017\1736\UNCL\DELV\1736-BULL BUILDING
Wed, Sep 05, 2019 - 4:04:20pm

CIVIL LEGEND:

ITEM	EXISTING	PROPOSED
CURB & GUTTER		
SIDEWALK		
FIRE HYDRANT		
STRUCTURES		
WATER MAINS		
GAS MAINS		
TELEPHONE LINES		
STORM SEWER		
SANITARY SEWER		
PAVING		
FENCES		
EXISTING TREES		
SPOT ELEVATIONS		
CONTOURS		
BUILDING ENTRANCES		
UTILITY POLE		
LIGHT POLE		
LIMITS OF DISTURBANCE		

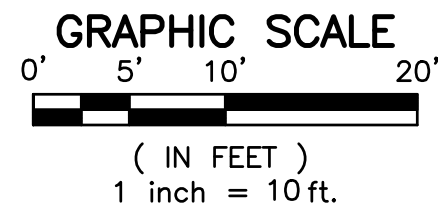
VIRGINIA UNIFORM CODING SYSTEM

KEY DESCRIPTIONS:

- CE CONSTRUCTION ENTRANCE
STANDARD AND SPECIFICATION #3.02
- SAF SAFETY FENCE
STANDARD AND SPECIFICATION #3.01
- SF SILT FENCE
STANDARD AND SPECIFICATION #3.05
- PS PERMANENT SEEDING
STANDARD AND SPECIFICATION #3.32

NOTE: REFER TO EROSION AND SEDIMENT CONTROL NOTES
AND SEQUENCE OF CONSTRUCTION ON SHEET 17.

SHELTER #5



GENERAL NOTES:

- TAX MAP: #073-2-01-0001
- ZONE: RC
- OWNER: NORTHERN VIRGINIA REGIONAL PARK AUTHORITY
5400 OX ROAD
FAIRFAX STATION, VIRGINIA 22039
DB: 2270 PG: 448
- A TOPOGRAPHIC SURVEY WAS FIELD RUN BY THIS FIRM. VERTICAL DATUM = NGVD '29 GPS/RTK FIELD SURVEY REFERENCED TO THE RTK NETWORK OF CARON EAST AND USING NGS SOFTWARE (VERTCON) FOR VERTICAL DATUM CONVERSION.
- A TITLE REPORT WAS NOT FURNISHED, THUS ALL EASEMENTS MAY NOT BE SHOWN.
- PLAT SUBJECT TO RESTRICTIONS OF RECORD.
- LIMITS OF DISTURBANCE: 1,728 SF

TREE TABLE:

- (64) 24" OAK
- (65) 24" OAK
- (66) 24" OAK
- (67) 24" OAK
- (68) 15" OAK
- (69) 8" OAK
- (70) 18" OAK
- (71) 18" OAK
- (72) 17" OAK

NOTE: NOT ALL TREE SPECIES ARE IDENTIFIED DUE TO THE TIME OF YEAR THE SURVEY WAS PERFORMED OR OTHER FACTORS. TREES THAT COULD NOT BE ACCURATELY IDENTIFIED ARE SIMPLY NAMED "TREE". FOR A DETAILED ASSESSMENT OF TREE TYPES, AN ARBORIST, LANDSCAPE ARCHITECT OR OTHER ARBORICULTURAL EXPERT SHOULD BE CONSULTED.

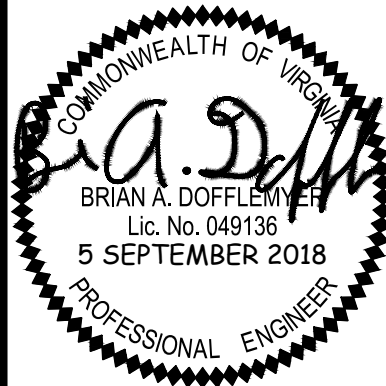
ACCESSIBILITY IMPROVEMENTS
ON A PORTION OF THE PROPERTY AT THE
BULL RUN REGIONAL PARK
(7700 BULL RUN DRIVE)
SULLY DISTRICT
FAIRFAX COUNTY, VIRGINIA

DATE	REVISION

DESIGN: BD
DRAWN: JD
SCALE: 1" = 10'
DATE: 5 SEPT. 2018

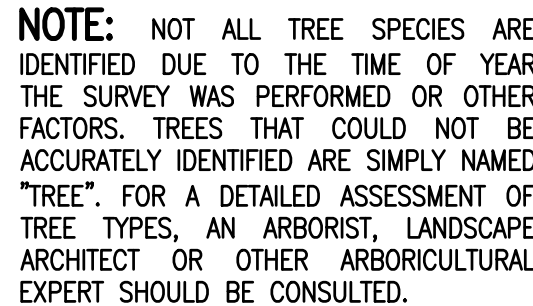
ACCESSIBILITY IMPROVEMENTS
SHELTER #5

SHEET **6** OF **19**
FILE: **17-36**



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730 S. Washington Street
Alexandria, Virginia 22314
(703) 549-6422

7. LIMITS OF DISTURBANCE: 2,472 SF



NOTE: REFER TO EROSION AND SEDIMENT CONTROL NOTES AND SEQUENCE OF CONSTRUCTION ON SHEET 17.

GRAPHIC SCALE
0' 5' 10' 20'
(IN FEET)
1 inch = 10 ft.

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

ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF FAIRFAX COUNTY VIRGINIA.

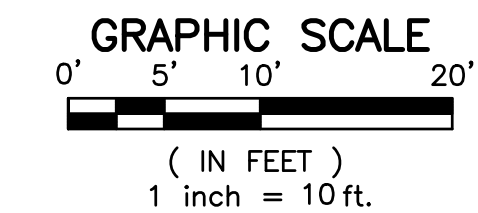
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SHEET 7 OF 19

ITEM	EXISTING	PROPOSED
CURB & GUTTER		
SIDEWALK		
FIRE HYDRANT		
STRUCTURES		
WATER MAINS		
GAS MAINS		
TELEPHONE LINES		
STORM SEWER		
SANITARY SEWER		
PAVING		
FENCES		
EXISTING TREES	(1)	
SPOT ELEVATIONS	+ 124.5	+ 124.5
CONTOURS	- - -124 - - -	-124 - - -
BUILDING ENTRANCES	▽	▼
UTILITY POLE		
LIGHT POLE	☆	☆
LIMITS OF DISTURBANCE		

<div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin-bottom: 10px;">CE</div> <div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin-bottom: 10px;">SAF</div> <div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin-bottom: 10px;">SF</div> <div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center;">PS</div>	<div style="margin-bottom: 10px;">CONSTRUCTION ENTRANCE STANDARD AND SPECIFICATION #3.02</div> <div style="margin-bottom: 10px;">SAFETY FENCE STANDARD AND SPECIFICATION #3.01</div> <div style="margin-bottom: 10px;">SILT FENCE STANDARD AND SPECIFICATION #3.05</div> <div>PERMANENT SEEDING STANDARD AND SPECIFICATION #3.32</div>
---	--

1. TAX MAP: #073-2-01-0001
2. ZONE: RC
3. OWNER: NORTHERN VIRGINIA REGIONAL PARK AUTHORITY
5400 OX ROAD
FAIRFAX STATION, VIRGINIA 22039
DB: 2270 PG: 448
4. A TOPOGRAPHIC SURVEY WAS FIELD RUN BY THIS FIRM. VERTICAL DATUM = NGVD '29 GPS/RTK FIELD SURVEY REFERENCED TO THE RTK NETWORK OF CARON EAST AND USING NGS SOFTWARE (VERTCON) FOR VERTICAL DATUM CONVERSION.
5. A TITLE REPORT WAS NOT FURNISHED, THUS ALL EASEMENTS MAY NOT BE SHOWN.
6. PLAT SUBJECT TO RESTRICTIONS OF RECORD.
7. LIMITS OF DISTURBANCE: 2,417 SF



NOTE: NOT ALL TREE SPECIES ARE IDENTIFIED DUE TO THE TIME OF YEAR THE SURVEY WAS PERFORMED OR OTHER FACTORS. TREES THAT COULD NOT BE ACCURATELY IDENTIFIED ARE SIMPLY NAMED "TREE". FOR A DETAILED ASSESSMENT OF TREE TYPES, AN ARBORIST, LANDSCAPE ARCHITECT OR OTHER ARBORICULTURAL EXPERT SHOULD BE CONSULTED.

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EXISTING UTILITIES SHOWN ON THIS PLAN TAKEN FROM AVAILABLE RECORDS AND/OR FROM FIELD OBSERVATIONS, FOR EXACT LOCATIONS OF EXISTING UNDERGROUND UTILITIES, NOTIFY "MISS UTILITY" AT 1-800-552-7001, 72 HOURS BEFORE THE START OF ANY EXCAVATION OR CONSTRUCTION.

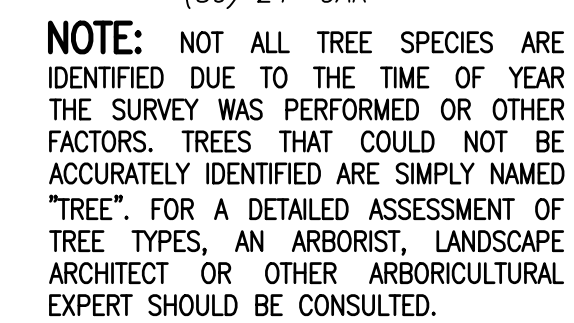
LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND UTILITIES TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. INTERFERENCE OR DISRUPTION OF SAME WILL NOT BE THE RESPONSIBILITY OF THIS OFFICE.

ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF FAIRFAX COUNTY, VIRGINIA.

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7. LIMITS OF DISTURBANCE = 2,136 SF

FILE: 17-36

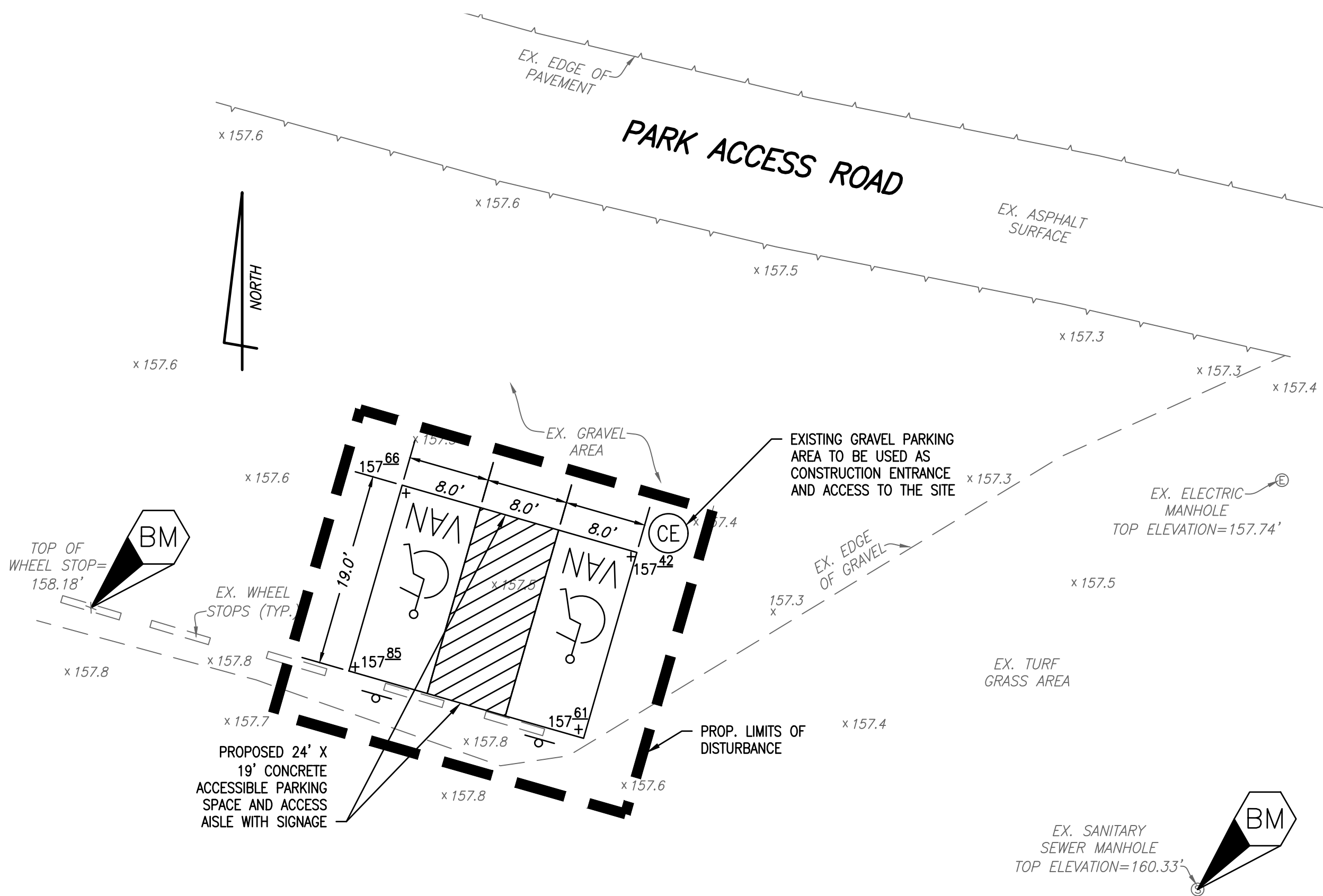


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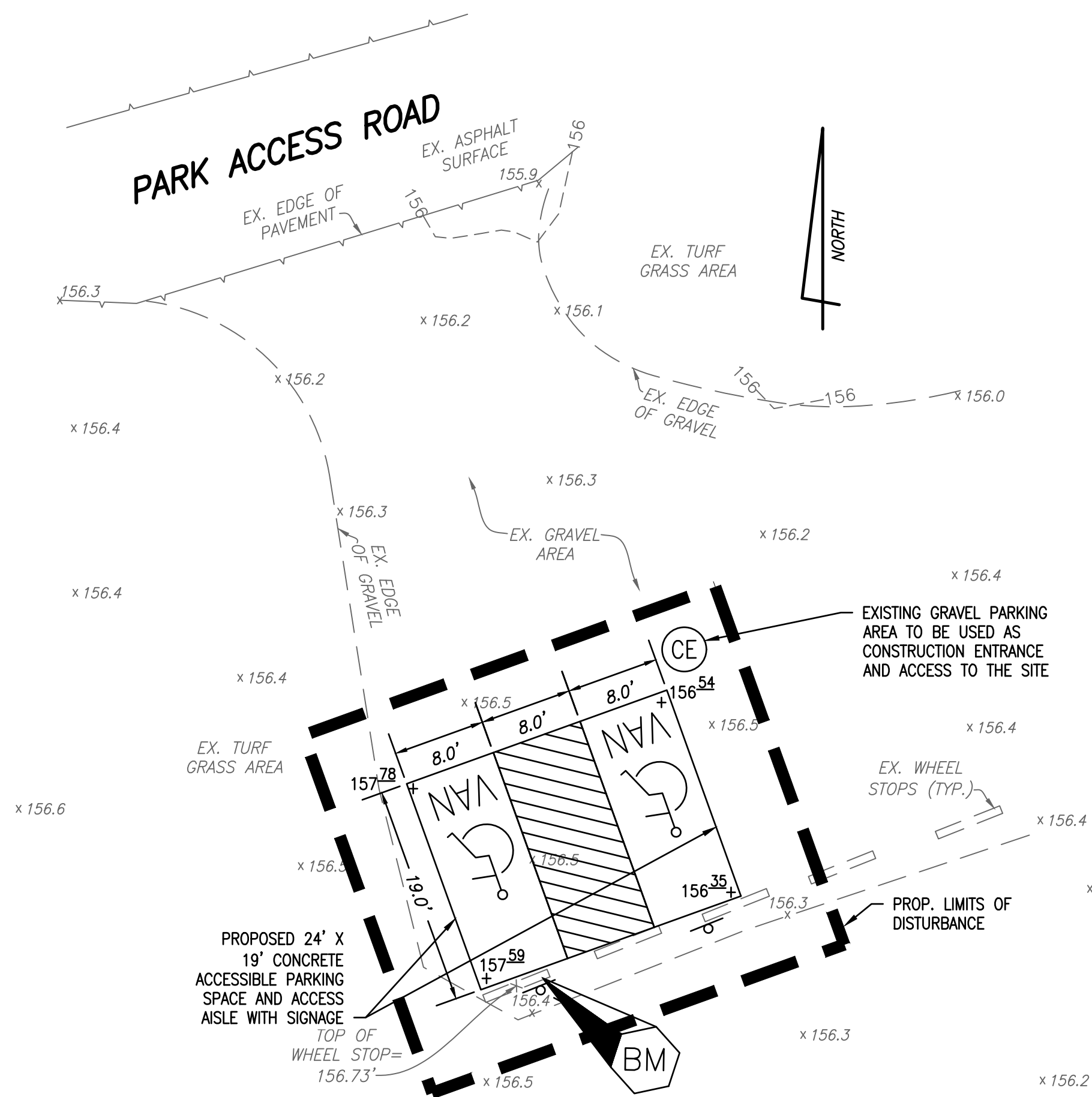
ITEM	EXISTING	PROPOSED
CURB & GUTTER		
SIDEWALK		
FIRE HYDRANT		
STRUCTURES		
WATER MAINS		
GAS MAINS		
TELEPHONE LINES		
STORM SEWER		
SANITARY SEWER		
PAVING		
FENCES		
EXISTING TREES		
SPOT ELEVATIONS		
CONTOURS		
BUILDING ENTRANCES		
UTILITY POLE		
LIGHT POLE		
LIMITS OF DISTURBANCE		

GRAPHIC SCALE
0' 5' 10' 20'

(IN FEET)
1 inch = 10 ft.

J:\2017\1736\DWG\DELTA\1736-BULL RUN.DWG
Wed, Sep 05 2018 - 4:04:27pm



CREEKSIDE 1



CREEKSIDE 4

GENERAL NOTES:

1. TAX MAP: #073-2-01-0001
2. ZONE: RC
3. OWNER: NORTHERN VIRGINIA REGIONAL PARK AUTHORITY
5400 OX ROAD
FAIRFAX STATION, VIRGINIA 22039
DB: 2270 PG: 448
4. A TOPOGRAPHIC SURVEY WAS FIELD RUN BY THIS FIRM. VERTICAL DATUM = NGVD '29 GPS/RTK FIELD SURVEY REFERENCED TO THE RTK NETWORK OF CARON EAST AND USING NGS SOFTWARE (VERTCON) FOR VERTICAL DATUM CONVERSION.
5. A TITLE REPORT WAS NOT FURNISHED, THUS ALL EASEMENTS MAY NOT BE SHOWN.
6. PLAT SUBJECT TO RESTRICTIONS OF RECORD.
7. LIMITS OF DISTURBANCE: 2,370 SF

CIVIL LEGEND:

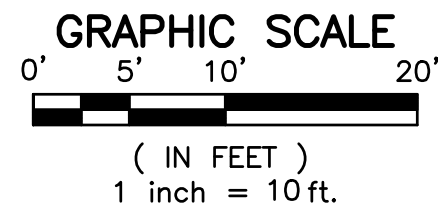
ITEM	EXISTING	PROPOSED
CURB & GUTTER		
SIDEWALK		
FIRE HYDRANT		
STRUCTURES		
WATER MAINS		
GAS MAINS		
TELEPHONE LINES		
STORM SEWER		
SANITARY SEWER		
PAVING		
FENCES		
EXISTING TREES		
SPOT ELEVATIONS		
CONTOURS		
BUILDING ENTRANCES		
UTILITY POLE		
LIGHT POLE		
LIMITS OF DISTURBANCE		

VIRGINIA UNIFORM CODING SYSTEM

KEY DESCRIPTIONS:

- CE CONSTRUCTION ENTRANCE
STANDARD AND SPECIFICATION #3.02
- SAF SAFETY FENCE
STANDARD AND SPECIFICATION #3.01
- SF SILT FENCE
STANDARD AND SPECIFICATION #3.05
- PS PERMANENT SEEDING
STANDARD AND SPECIFICATION #3.32

NOTE: REFER TO EROSION AND SEDIMENT CONTROL NOTES
AND SEQUENCE OF CONSTRUCTION ON SHEET 17.



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ACCESSIBILITY IMPROVEMENTS
ON A PORTION OF THE PROPERTY AT THE
BULL RUN REGIONAL PARK
(7700 BULL RUN DRIVE)
SULLY DISTRICT
FAIRFAX COUNTY, VIRGINIA

DATE REVISION

DESIGN: BD
DRAWN: JD
SCALE: 1" = 10'
DATE: 5 SEPT. 2018

ACCESSIBILITY IMPROVEMENTS
CREEKSIDE PICNIC AREAS

SHEET 10 OF 19
FILE: 17-36

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VIRGINIA UNIFORM CODING SYSTEM
KEY DESCRIPTIONS:

CE

CONSTRUCTION ENTRANCE
STANDARD AND SPECIFICATION #3.02

SAF

SAFETY FENCE
STANDARD AND SPECIFICATION #3.01

SF

SILT FENCE
STANDARD AND SPECIFICATION #3.05

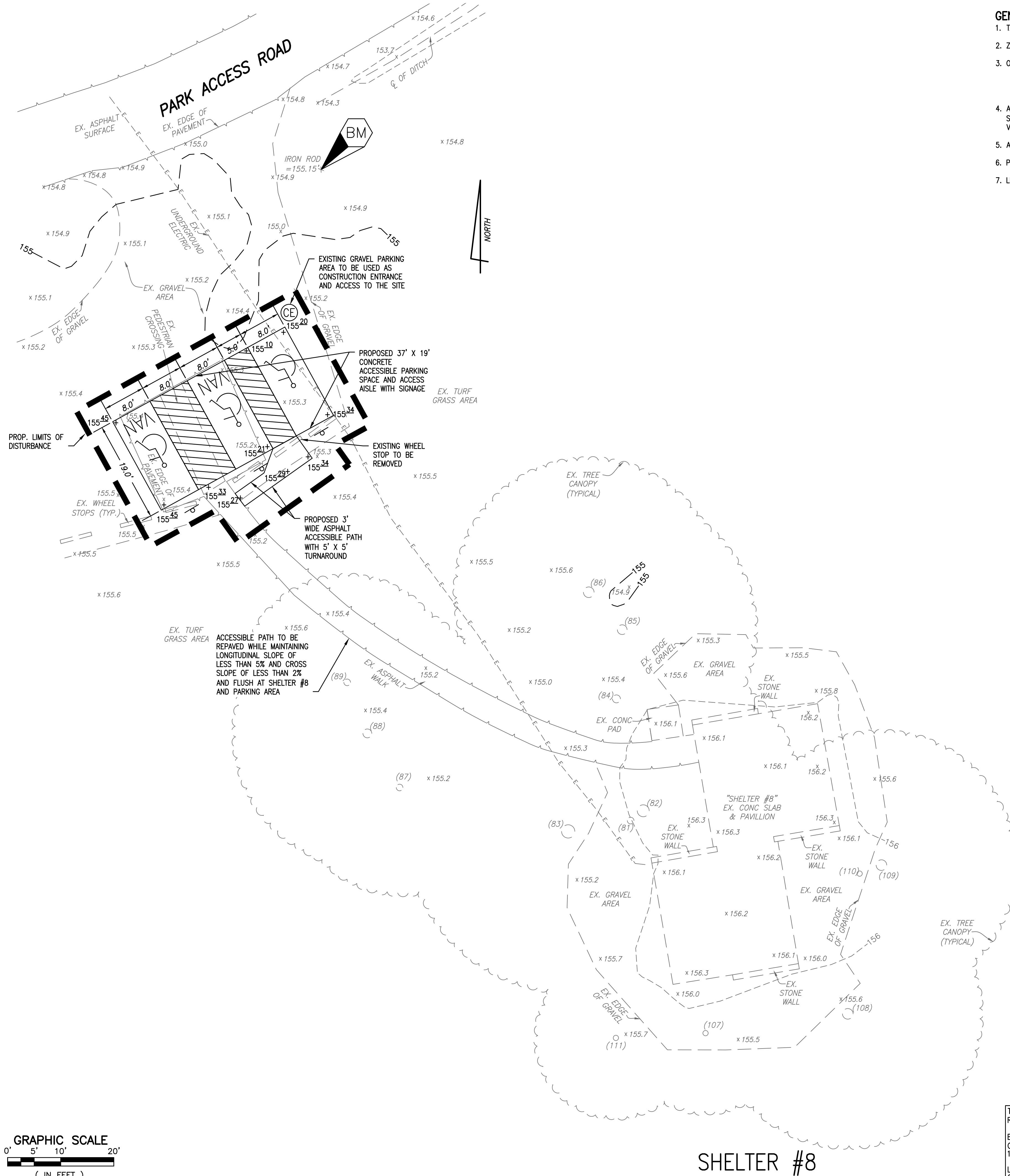
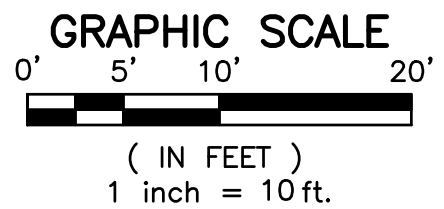
PS

PERMANENT SEEDING
STANDARD AND SPECIFICATION #3.32

NOTE: REFER TO EROSION AND SEDIMENT CONTROL NOTES
AND SEQUENCE OF CONSTRUCTION ON SHEET 17.

CIVIL LEGEND:

ITEM	EXISTING	PROPOSED
CURB & GUTTER		
SIDEWALK		
FIRE HYDRANT		
STRUCTURES		
WATER MAINS		
GAS MAINS		
TELEPHONE LINES		
STORM SEWER		
SANITARY SEWER		
PAVING		
FENCES		
EXISTING TREES		
SPOT ELEVATIONS		
CONTOURS		
BUILDING ENTRANCES		
UTILITY POLE		
LIGHT POLE		
LIMITS OF DISTURBANCE		



TREE TABLE:

(81)	15" TREE
(82)	27" OAK
(83)	30" OAK
(84)	18" TREE
(85)	22" OAK
(86)	24" OAK
(87)	15" TREE
(88)	20" TREE
(89)	15" TREE
(107)	12" TREE
(108)	24" OAK
(109)	24" OAK
(110)	12" TREE
(111)	12" TREE

NOTE: NOT ALL TREE SPECIES ARE IDENTIFIED DUE TO THE TIME OF YEAR THE SURVEY WAS PERFORMED OR OTHER FACTORS. TREES THAT COULD NOT BE ACCURATELY IDENTIFIED ARE SIMPLY NAMED "TREE". FOR A DETAILED ASSESSMENT OF TREE TYPES, AN ARBORIST, LANDSCAPE ARCHITECT OR OTHER ARBORICULTURAL EXPERT SHOULD BE CONSULTED.

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GENERAL NOTES:

- TAX MAP: #073-2-01-0001
- ZONE: RC
- OWNER: NORTHERN VIRGINIA REGIONAL PARK AUTHORITY
5400 OX ROAD
FAIRFAX STATION, VIRGINIA 22039
DB: 2270 PG: 448
- A TOPOGRAPHIC SURVEY WAS FIELD RUN BY THIS FIRM. VERTICAL DATUM = NGVD '29 GPS/RTK FIELD SURVEY REFERENCED TO THE RTK NETWORK OF CARON EAST AND USING NGS SOFTWARE (VERTCON) FOR VERTICAL DATUM CONVERSION.
- A TITLE REPORT WAS NOT FURNISHED, THUS ALL EASEMENTS MAY NOT BE SHOWN.
- PLAT SUBJECT TO RESTRICTIONS OF RECORD.
- LIMITS OF DISTURBANCE: 1,517 SF

ACCESSIBILITY IMPROVEMENTS
ON A PORTION OF THE PROPERTY AT THE
BULL RUN REGIONAL PARK
(7700 BULL RUN DRIVE)
SULLY DISTRICT
FAIRFAX COUNTY, VIRGINIA

DATE	REVISION

DRAWN: JD
SCALE: 1" = 10'
DATE: APRIL 17, 2017

ACCESSIBILITY IMPROVEMENTS

SHELTER #8

SHEET 11 OF 19

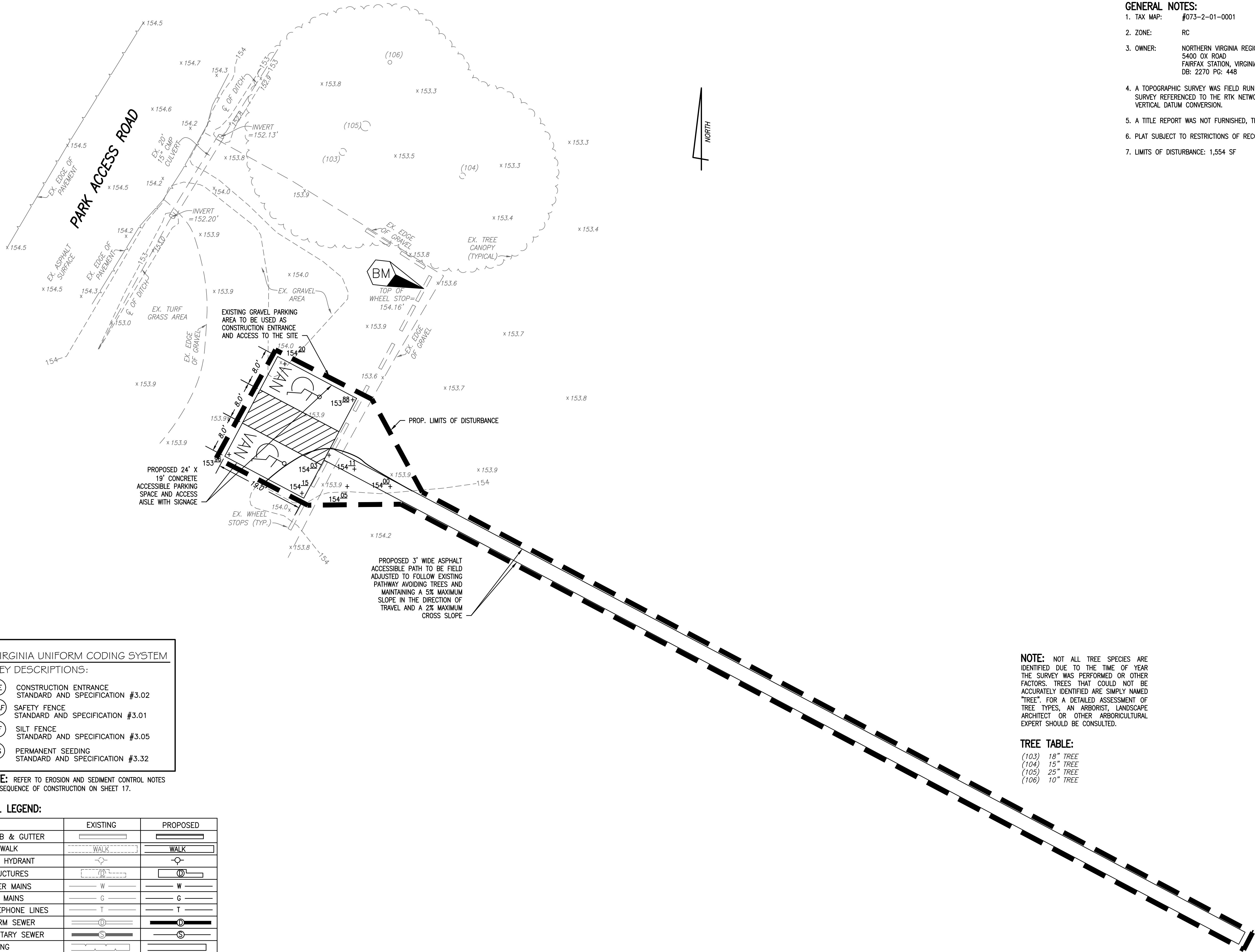
FILE: 17-36

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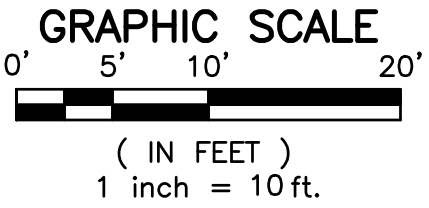
- GENERAL NOTES:**
1. TAX MAP: #073-2-01-0001
 2. ZONE: RC
 3. OWNER: NORTHERN VIRGINIA REGIONAL PARK AUTHORITY
5400 OX ROAD
FAIRFAX STATION, VIRGINIA 22039
DB: 2270 PG: 448
 4. A TOPOGRAPHIC SURVEY WAS FIELD RUN BY THIS FIRM. VERTICAL DATUM = NGVD '29 GPS/RTK FIELD SURVEY REFERENCED TO THE RTK NETWORK OF CARON EAST AND USING NGS SOFTWARE (VERTCON) FOR VERTICAL DATUM CONVERSION.
 5. A TITLE REPORT WAS NOT FURNISHED, THUS ALL EASEMENTS MAY NOT BE SHOWN.
 6. PLAT SUBJECT TO RESTRICTIONS OF RECORD.
 7. LIMITS OF DISTURBANCE: 1,554 SF

VIRGINIA UNIFORM CODING SYSTEM	
KEY DESCRIPTIONS:	
CE	CONSTRUCTION ENTRANCE STANDARD AND SPECIFICATION #3.02
SAF	SAFETY FENCE STANDARD AND SPECIFICATION #3.01
SF	SILT FENCE STANDARD AND SPECIFICATION #3.05
PS	PERMANENT SEEDING STANDARD AND SPECIFICATION #3.32

NOTE: REFER TO EROSION AND SEDIMENT CONTROL NOTES
AND SEQUENCE OF CONSTRUCTION ON SHEET 17.

CIVIL LEGEND:

ITEM	EXISTING	PROPOSED
CURB & GUTTER		
SIDEWALK		
FIRE HYDRANT		
STRUCTURES		
WATER MAINS		
GAS MAINS		
TELEPHONE LINES		
STORM SEWER		
SANITARY SEWER		
PAVING		
FENCES		
EXISTING TREES		
SPOT ELEVATIONS		
CONTOURS		
BUILDING ENTRANCES		
UTILITY POLE		
LIGHT POLE		
LIMITS OF DISTURBANCE		



NOTE: NOT ALL TREE SPECIES ARE IDENTIFIED DUE TO THE TIME OF YEAR THE SURVEY WAS PERFORMED OR OTHER FACTORS. TREES THAT COULD NOT BE ACCURATELY IDENTIFIED ARE SIMPLY NAMED "TREE". FOR A DETAILED ASSESSMENT OF TREE TYPES, AN ARBORIST, LANDSCAPE ARCHITECT OR OTHER ARBORICULTURAL EXPERT SHOULD BE CONSULTED.

TREE TABLE:

(103)	18" TREE
(104)	15" TREE
(105)	25" TREE
(106)	10" TREE

PICNIC AREA BETWEEN AREA 9 AND SHELTER #8

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Alexandria, Virginia 22314

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(703) 549-6422

COMMONWEALTH OF VIRGINIA

BRIAN A. DOFFLEINER
Lic. No. 049136
5 SEPTEMBER 2018
PROFESSIONAL ENGINEER

ACCESSIBILITY IMPROVEMENTS
ON A PORTION OF THE PROPERTY AT THE
BULL RUN REGIONAL PARK
(7700 BULL RUN DRIVE)
SULLY DISTRICT
FAIRFAX COUNTY, VIRGINIA

DATE	REVISION

DESIGN: BD
DRAWN: JD
SCALE: 1" = 10'
DATE: 5 SEPT. 2018

ACCESSIBILITY IMPROVEMENTS

PICNIC AREA
BETWEEN AREA
9 & SHELTER #8

SHEET 12 OF 19

FILE: 17-36

A:\2017\1736\UNCL\DEL\1736-BULL-BUILDING
Wed, Sep 05, 2019 - 4:34:47pm

VIRGINIA UNIFORM CODING SYSTEM
KEY DESCRIPTIONS:

- (CE) CONSTRUCTION ENTRANCE
STANDARD AND SPECIFICATION #3.02
- (SAF) SAFETY FENCE
STANDARD AND SPECIFICATION #3.01
- (SF) SILT FENCE
STANDARD AND SPECIFICATION #3.05
- (PS) PERMANENT SEEDING
STANDARD AND SPECIFICATION #3.32

NOTE: REFER TO EROSION AND SEDIMENT CONTROL NOTES
AND SEQUENCE OF CONSTRUCTION ON SHEET 17.

CIVIL LEGEND:

ITEM	EXISTING	PROPOSED
CURB & GUTTER		
SIDEWALK		
FIRE HYDRANT		
STRUCTURES		
WATER MAINS		
GAS MAINS		
TELEPHONE LINES		
STORM SEWER		
SANITARY SEWER		
PAVING		
FENCES		
EXISTING TREES		
SPOT ELEVATIONS		
CONTOURS		
BUILDING ENTRANCES		
UTILITY POLE		
LIGHT POLE		
LIMITS OF DISTURBANCE		

GRAPHIC SCALE
0' 5' 10' 20'
(IN FEET)
1 inch = 10 ft.

CAMP STORE—AREA 1

GENERAL NOTES:

- TAX MAP: #073-2-01-0001
- ZONE: RC
- OWNER: NORTHERN VIRGINIA REGIONAL PARK AUTHORITY
5400 OX ROAD
FAIRFAX STATION, VIRGINIA 22039
DB: 2270 PG: 448
- A TOPOGRAPHIC SURVEY WAS FIELD RUN BY THIS FIRM. VERTICAL DATUM = NGVD '29 GPS/RTK FIELD SURVEY REFERENCED TO THE RTK NETWORK OF CARON EAST AND USING NGS SOFTWARE (VERTCON) FOR VERTICAL DATUM CONVERSION.
- A TITLE REPORT WAS NOT FURNISHED, THUS ALL EASEMENTS MAY NOT BE SHOWN.
- PLAT SUBJECT TO RESTRICTIONS OF RECORD.
- LIMITS OF DISTURBANCE: 2,423 SF

TREE TABLE:

- (124) 12" CEDAR
(125) 36" OAK
(126) 28" TREE
(127) 14" TREE
(128) 28" TREE
(129) 48" TRIPLE TREE

NOTE: NOT ALL TREE SPECIES ARE IDENTIFIED DUE TO THE TIME OF YEAR THE SURVEY WAS PERFORMED OR OTHER FACTORS. TREES THAT COULD NOT BE ACCURATELY IDENTIFIED ARE SIMPLY NAMED "TREE". FOR A DETAILED ASSESSMENT OF TREE TYPES, AN ARBORIST, LANDSCAPE ARCHITECT OR OTHER ARBORICULTURAL EXPERT SHOULD BE CONSULTED.

ACCESSIBILITY IMPROVEMENTS
ON A PORTION OF THE PROPERTY AT THE
BULL RUN REGIONAL PARK
(7700 BULL RUN DRIVE)
SULLY DISTRICT
FAIRFAX COUNTY, VIRGINIA

DATE REVISION

DESIGN: BD
DRAWN: JD
SCALE: 1" = 10'
DATE: 5 SEPT. 2018

ACCESSIBILITY IMPROVEMENTS
CAMP STORE
AREA 1

SHEET **13** OF **19**
FILE: **17-36**

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Alexandria, Virginia 22314
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VIRGINIA UNIFORM CODING SYSTEM
KEY DESCRIPTIONS:

CE	CONSTRUCTION ENTRANCE STANDARD AND SPECIFICATION #3.02
SAF	SAFETY FENCE STANDARD AND SPECIFICATION #3.01
SF	SILT FENCE STANDARD AND SPECIFICATION #3.05
PS	PERMANENT SEEDING STANDARD AND SPECIFICATION #3.32

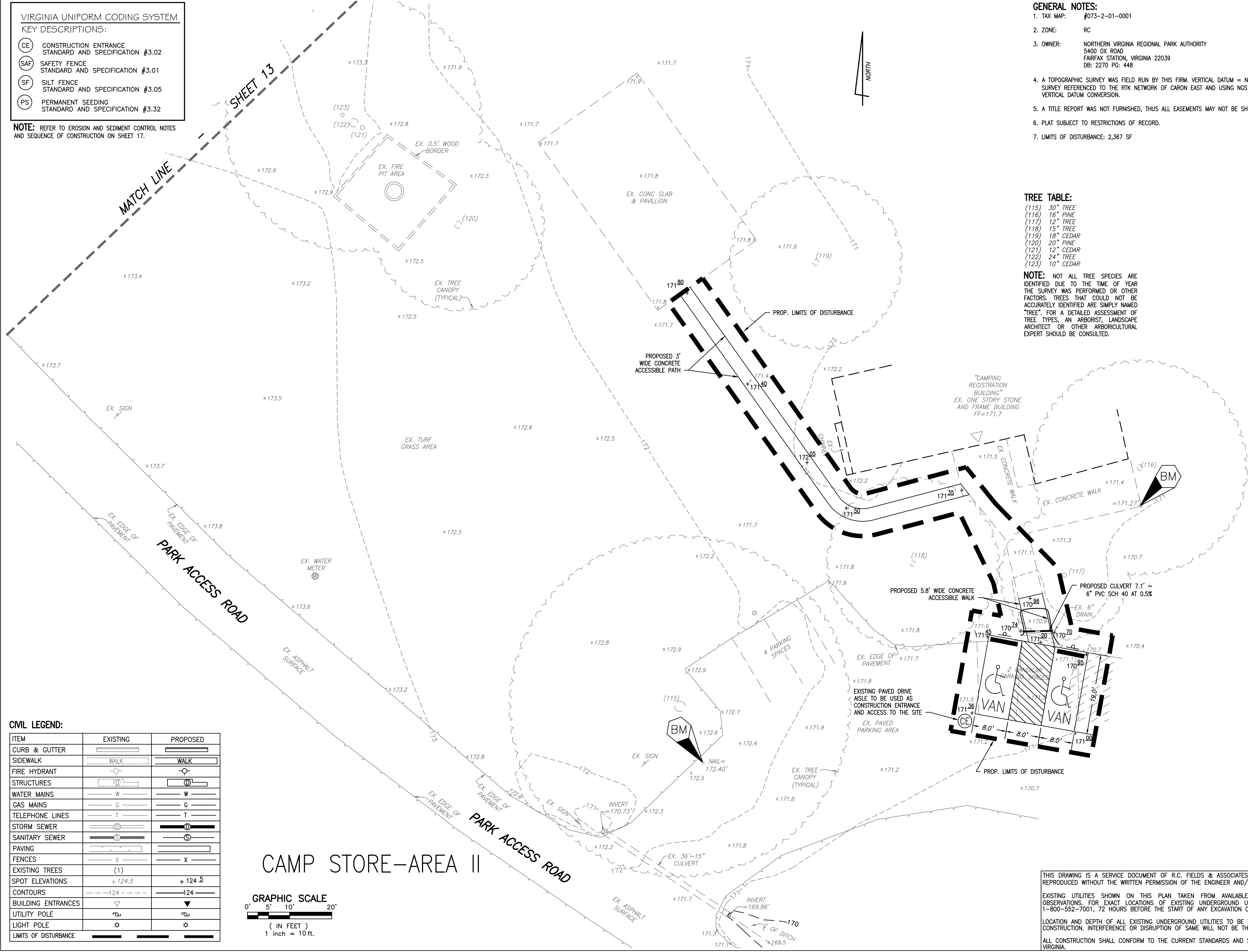
NOTE: REFER TO EROSION AND SEDIMENT CONTROL NOTES
AND SEQUENCE OF CONSTRUCTION ON SHEET 17.

- GENERAL NOTES:
- TAX MAP: #073-2-01-0001
 - ZONE: RC
 - OWNER: NORTHERN VIRGINIA REGIONAL PARK AUTHORITY
5400 OX ROAD
FAIRFAX STATION, VIRGINIA 22039
DB: 2270 PG: 448
 - A TOPOGRAPHIC SURVEY WAS FIELD RUN BY THIS FIRM. VERTICAL DATUM = NGVD '29 GPS/RTK FIELD SURVEY REFERENCED TO THE RTK NETWORK OF CARON EAST AND USING NGS SOFTWARE (VERTCON) FOR VERTICAL DATUM CONVERSION.
 - A TITLE REPORT WAS NOT FURNISHED, THUS ALL EASEMENTS MAY NOT BE SHOWN.
 - PLAT SUBJECT TO RESTRICTIONS OF RECORD.
 - LIMITS OF DISTURBANCE: 2,367 SF

TREE TABLE:

(115)	30" TREE
(116)	16" PINE
(117)	12" TREE
(118)	15" TREE
(119)	18" CEDAR
(120)	20" PINE
(121)	12" CEDAR
(122)	24" TREE
(123)	10" CEDAR

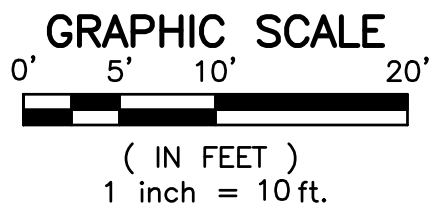
NOTE: NOT ALL TREE SPECIES ARE IDENTIFIED DUE TO THE TIME OF YEAR THE SURVEY WAS PERFORMED OR OTHER FACTORS. TREES THAT COULD NOT BE ACCURATELY IDENTIFIED ARE SIMPLY NAMED "TREE". FOR A DETAILED ASSESSMENT OF TREE TYPES, AN ARBORIST, LANDSCAPE ARCHITECT OR OTHER ARBORICULTURAL EXPERT SHOULD BE CONSULTED.



CIVIL LEGEND:

ITEM	EXISTING	PROPOSED
CURB & GUTTER		
SIDEWALK		
FIRE HYDRANT		
STRUCTURES		
WATER MAINS	W	W
GAS MAINS	G	G
TELEPHONE LINES	T	T
STORM SEWER		
SANITARY SEWER	S	S
PAVING		
FENCES	X	X
EXISTING TREES	(1)	
SPOT ELEVATIONS	+ 124.5	+ 124.5
CONTOURS	-124-	-124-
BUILDING ENTRANCES		
UTILITY POLE		
LIGHT POLE		
LIMITS OF DISTURBANCE		

CAMP STORE-AREA II



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ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF FAIRFAX COUNTY, VIRGINIA.

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ENGINEERING • LAND SURVEYING • PLANNING
730 S. Washington Street
Alexandria, Virginia 22314
www.rcfieldsoc.com
(703) 549-6422

Brian A. Doffle
BRIAN A. DOFFLE
Lic. No. 049136
5 SEPTEMBER 2018
PROFESSIONAL ENGINEER

ACCESSIBILITY IMPROVEMENTS
ON A PORTION OF THE PROPERTY AT THE
BULL RUN REGIONAL PARK
(7700 BULL RUN DRIVE)
SULLY DISTRICT
FAIRFAX COUNTY, VIRGINIA

DATE	REVISION

DESIGN: BD
DRAWN: JD
SCALE: 1" = 10'
DATE: 5 SEPT. 2018

ACCESSIBILITY IMPROVEMENTS
CAMP STORE
AREA II

SHEET **14** OF **19**
FILE: **17-36**

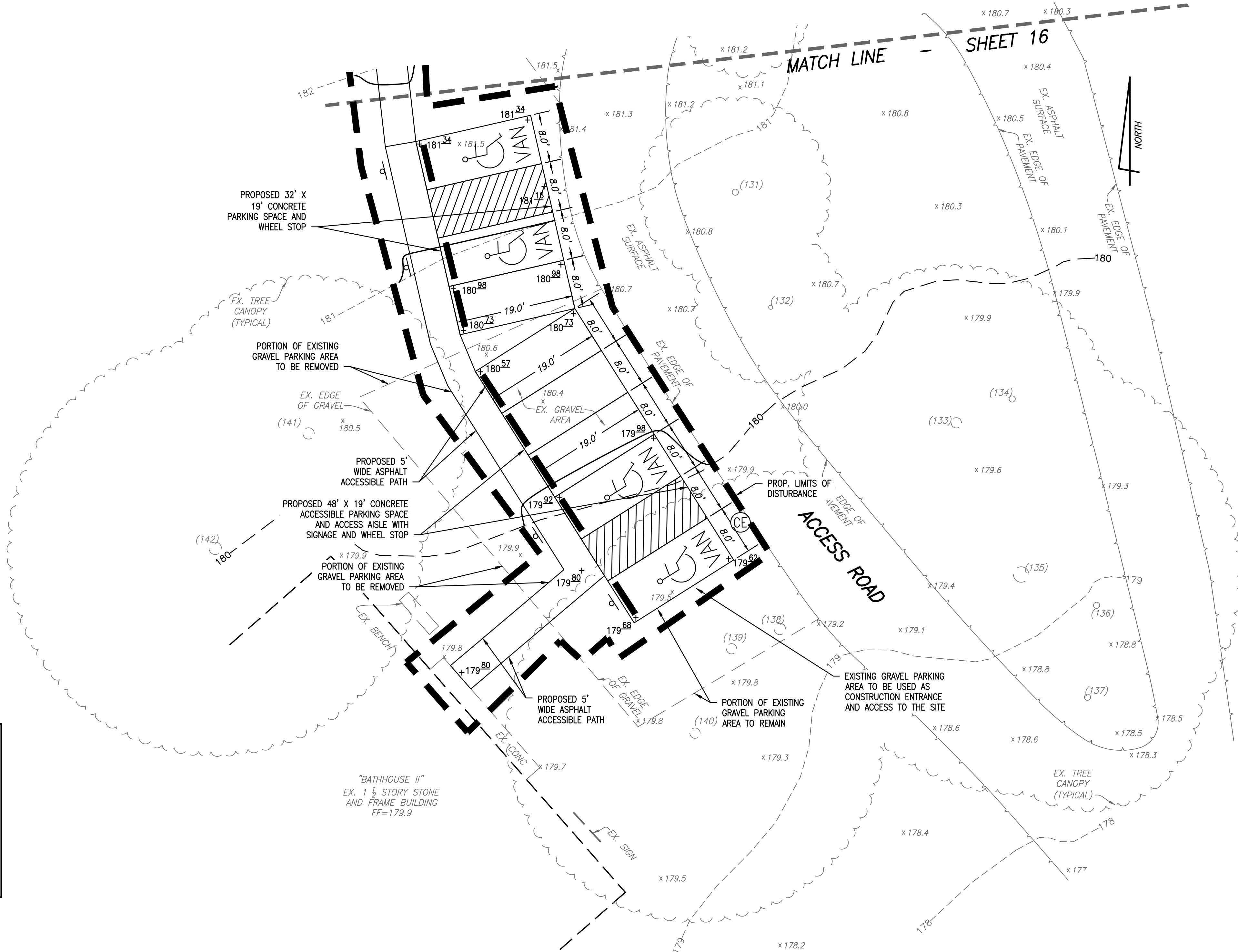
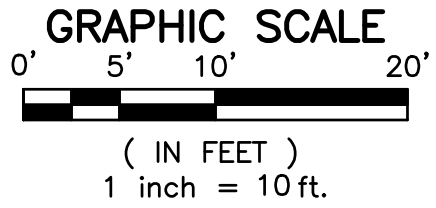
A:\2017\1736\UNCL\DELV\1736-BULL BUILDING
Wed, Sep 05, 2019 - 4:04:57pm

VIRGINIA UNIFORM CODING SYSTEM	
KEY DESCRIPTIONS:	
<div>CE</div>	CONSTRUCTION ENTRANCE STANDARD AND SPECIFICATION #3.02
<div>SAF</div>	SAFETY FENCE STANDARD AND SPECIFICATION #3.01
<div>SF</div>	SILT FENCE STANDARD AND SPECIFICATION #3.05
<div>PS</div>	PERMANENT SEEDING STANDARD AND SPECIFICATION #3.32

NOTE: REFER TO EROSION AND SEDIMENT CONTROL NOTES
AND SEQUENCE OF CONSTRUCTION ON SHEET 17.

CIVIL LEGEND:

ITEM	EXISTING	PROPOSED
CURB & GUTTER	<div></div>	<div></div>
SIDEWALK	<div>WALK</div>	<div>WALK</div>
FIRE HYDRANT	<div></div>	<div></div>
STRUCTURES	<div></div>	<div></div>
WATER MAINS	<div>W</div>	<div>W</div>
GAS MAINS	<div>G</div>	<div>G</div>
TELEPHONE LINES	<div>T</div>	<div>T</div>
STORM SEWER	<div></div>	<div></div>
SANITARY SEWER	<div>S</div>	<div>S</div>
PAVING	<div></div>	<div></div>
FENCES	<div>X</div>	<div>X</div>
EXISTING TREES	<div>(1)</div>	
SPOT ELEVATIONS	<div>+ 124.5</div>	<div>+ 124.5</div>
CONTOURS	<div>- - - 124 - - -</div>	<div>- - - 124 - - -</div>
BUILDING ENTRANCES	<div></div>	<div></div>
UTILITY POLE	<div></div>	<div></div>
LIGHT POLE	<div></div>	<div></div>
LIMITS OF DISTURBANCE	<div></div>	<div></div>



GENERAL NOTES:

- TAX MAP: #073-2-01-0001
- ZONE: RC
- OWNER: NORTHERN VIRGINIA REGIONAL PARK AUTHORITY
5400 OX ROAD
FAIRFAX STATION, VIRGINIA 22039
DB: 2270 PG: 448
- A TOPOGRAPHIC SURVEY WAS FIELD RUN BY THIS FIRM. VERTICAL DATUM = NGVD '29 GPS/RTK FIELD SURVEY REFERENCED TO THE RTK NETWORK OF CARON EAST AND USING NGS SOFTWARE (VERTCON) FOR VERTICAL DATUM CONVERSION.
- A TITLE REPORT WAS NOT FURNISHED, THUS ALL EASEMENTS MAY NOT BE SHOWN.
- PLAT SUBJECT TO RESTRICTIONS OF RECORD.
- LIMITS OF DISTURBANCE: 5,400 SF

TREE TABLE:

(131)	12" TREE
(132)	8" TREE
(133)	20" TREE
(134)	12" TREE
(135)	30" TREE
(136)	12" TREE
(137)	12" TREE
(138)	22" TREE
(139)	20" TREE
(140)	20" TREE
(141)	22" TREE
(142)	24" TREE

NOTE: NOT ALL TREE SPECIES ARE IDENTIFIED DUE TO THE TIME OF YEAR THE SURVEY WAS PERFORMED OR OTHER FACTORS. TREES THAT COULD NOT BE ACCURATELY IDENTIFIED ARE SIMPLY NAMED "TREE". FOR A DETAILED ASSESSMENT OF TREE TYPES, AN ARBORIST, LANDSCAPE ARCHITECT OR OTHER ARBORICULTURAL EXPERT SHOULD BE CONSULTED.

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FAIRFAX COUNTY, VIRGINIA

DATE	REVISION

DESIGN: BD
DRAWN: JD
SCALE: 1" = 10'
DATE: 5 SEPT. 2018

ACCESSIBILITY IMPROVEMENTS
BATH HOUSE II

SHEET **15** OF **19**
FILE: **17-36**

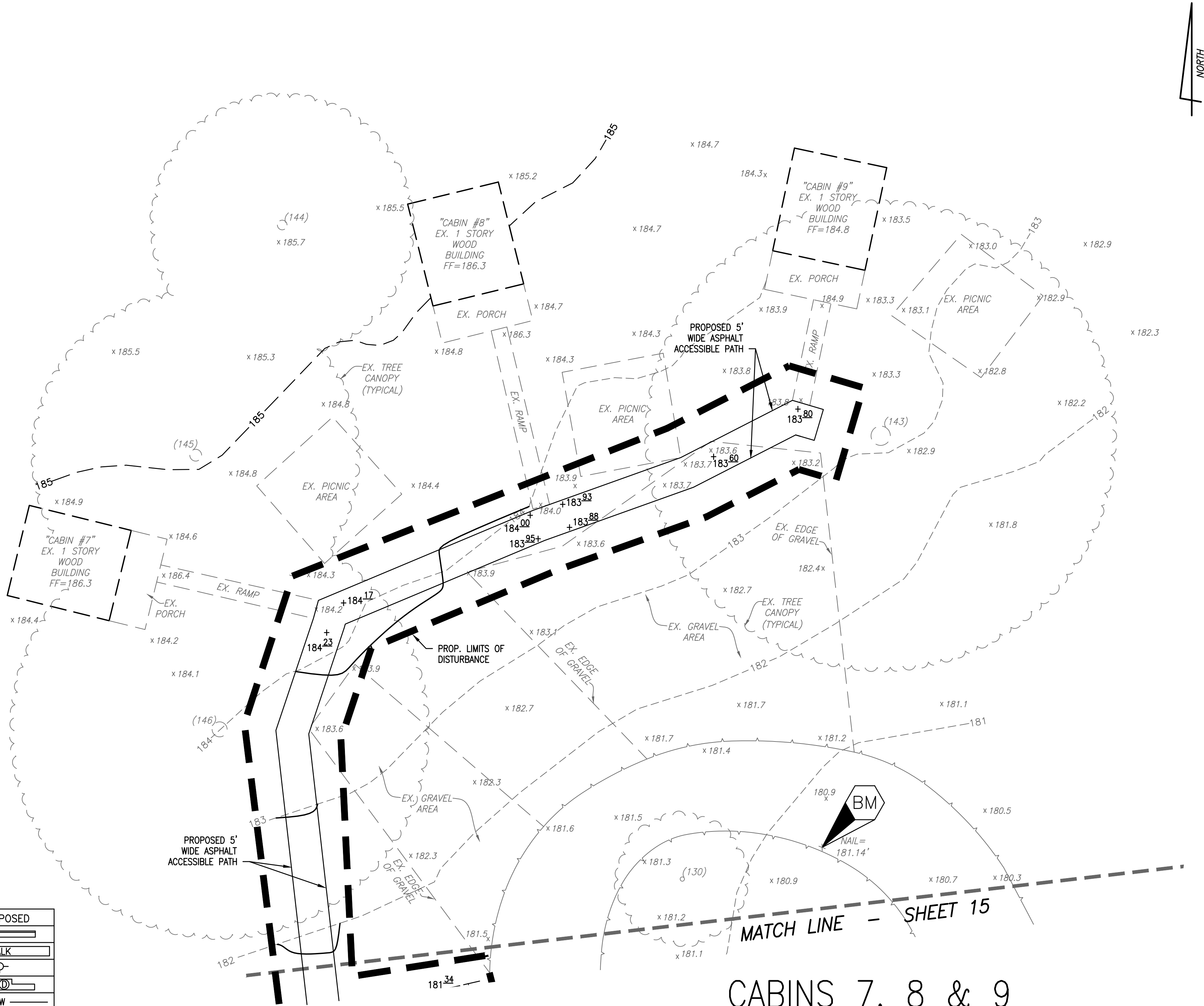
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VIRGINIA UNIFORM CODING SYSTEM	
KEY DESCRIPTIONS:	
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SAF	SAFETY FENCE STANDARD AND SPECIFICATION #3.01
SF	SILT FENCE STANDARD AND SPECIFICATION #3.05
PS	PERMANENT SEEDING STANDARD AND SPECIFICATION #3.32

NOTE: REFER TO EROSION AND SEDIMENT CONTROL NOTES
AND SEQUENCE OF CONSTRUCTION ON SHEET 17.

GENERAL NOTES:

- TAX MAP: #073-2-01-0001
- ZONE: RC
- OWNER: NORTHERN VIRGINIA REGIONAL PARK AUTHORITY
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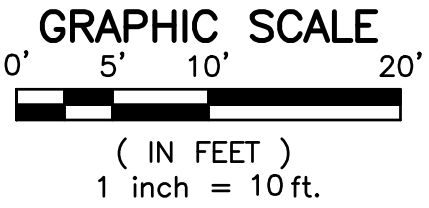
TREE TABLE:

- (130) 8" TREE
(143) 36" TREE
(144) 18" PINE
(145) 22" PINE
(146) 28" TREE

NOTE: NOT ALL TREE SPECIES ARE IDENTIFIED DUE TO THE TIME OF YEAR THE SURVEY WAS PERFORMED OR OTHER FACTORS. TREES THAT COULD NOT BE ACCURATELY IDENTIFIED ARE SIMPLY NAMED "TREE". FOR A DETAILED ASSESSMENT OF TREE TYPES, AN ARBORIST, LANDSCAPE ARCHITECT OR OTHER ARBORICULTURAL EXPERT SHOULD BE CONSULTED.

CIVIL LEGEND:

ITEM	EXISTING	PROPOSED
CURB & GUTTER		
SIDEWALK		WALK
FIRE HYDRANT		
STRUCTURES		
WATER MAINS	W	W
GAS MAINS	G	G
TELEPHONE LINES	T	T
STORM SEWER		
SANITARY SEWER	S	S
PAVING		
FENCES	X	X
EXISTING TREES	(1)	
SPOT ELEVATIONS	+ 124.5	+ 124.5
CONTOURS	-124-	-124-
BUILDING ENTRANCES		
UTILITY POLE		
LIGHT POLE		
LIMITS OF DISTURBANCE		



MATCH LINE - SHEET 15
CABINS 7, 8 & 9

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ACCESSIBILITY IMPROVEMENTS
CABINS 7, 8 & 9

SHEET **16** OF **19**
FILE: **17-36**

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MINIMUM EROSION & SEDIMENT CONTROL MEASURES

MS-1. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN 7 DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR. (SEE TEMPORARY AND PERMANENT STABILIZATION ON THIS SHEET)

MS-2. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCKPILES AND BORROW AREAS SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE APPLICANT IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS BORROW AREAS. SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE. (SEE E&S CONTROL SEQUENCE OF CONSTRUCTION DESCRIPTION ON THIS SHEET)

MS-3. A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED. PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED THAT IS UNIFORM, MATURE ENOUGH TO SURVIVE, AND WILL INHIBIT EROSION. (SEE PERMANENT STABILIZATION ON THIS SHEET)

MS-4. SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSIDERED A FIRST STEP IN LAND-DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE. (SEE E&S CONTROL MEASURES DESCRIPTION ON THIS SHEET)

MS-5. STABILIZATION MEASURES SHALL BE APPLIED TO EARTHEN STRUCTURES SUCH AS DAMS, DIKES, AND DIVERSIONS IMMEDIATELY AFTER INSTALLATION. (NOT APPLICABLE TO THIS PROJECT)

MS-6. SEDIMENT TRAPS AND SEDIMENT BASINS SHALL BE DESIGNED AND CONSTRUCTED BASED UPON THE TOTAL DRAINAGE AREA TO BE SERVED BY THE TRAP OR BASIN. (NOT APPLICABLE TO THIS PROJECT)

- A. THE MINIMUM STORAGE CAPACITY OF A SEDIMENT TRAP SHALL BE 134 CUBIC YARDS PER ACRE OF DRAINAGE AREA, AND THE TRAP SHALL ONLY CONTROL DRAINAGE AREAS LESS THAN THREE ACRES.
- B. SURFACE RUNOFF FROM DRAINAGE AREAS GREATER THAN OR EQUAL TO THREE ACRES SHALL BE CONTROLLED BY SEDIMENT BASINS. THE MINIMUM STORAGE CAPACITY FOR A SEDIMENT BASIN SHALL BE 134 CUBIC YARDS PER ACRE OF DRAINAGE AREA. THE OUTFALL SYSTEM SHALL, AT A MINIMUM, MAINTAIN THE STRUCTURAL INTEGRITY OF THE BASIN DURING A TWENTY-FIVE YEAR STORM OF 24-HOUR DURATION. RUNOFF COEFFICIENTS USED IN RUNOFF CALCULATIONS SHALL APPLY TO A BARE EARTH CONDITION OR THOSE CONDITIONS EXPECTED TO EXIST WHILE THE SEDIMENT BASIN IS UTILIZED.

MS-7. CUT AND FILL SLOPES SHALL BE DESIGNED AND CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION. SLOPES THAT ARE FOUND TO BE ERODING EXCESSIVELY WITHIN ONE YEAR OF PERMANENT STABILIZATION SHALL BE PROVIDED WITH ADDITIONAL SLOPE STABILIZING MEASURES UNTIL THE PROBLEM IS CORRECTED. (SEE PERMANENT STABILIZATION NOTES ON THIS SHEET)

MS-8. CONCENTRATED RUNOFF SHALL NOT FLOW DOWN CUT OR FILL SLOPES UNLESS CONTAINED WITHIN AN ADEQUATE TEMPORARY OR PERMANENT CHANNEL, FLUME, OR SLOPE DRAIN STRUCTURE. (NOT APPLICABLE TO THIS PROJECT)

MS-9. WHENEVER WATER SEEPS FROM A SLOPE FACE, ADEQUATE DRAINAGE OR OTHER PROTECTION SHALL BE PROVIDED. (NOT APPLICABLE TO THIS PROJECT)

MS-10. ALL STORM SEWER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT. (NOT APPLICABLE TO THIS PROJECT)

MS-11. BEFORE NEWLY CONSTRUCTED STORMWATER CONVEYANCE CHANNELS OR PIPES ARE MADE OPERATIONAL, ADEQUATE OUTLET PROTECTION AND ANY REQUIRED TEMPORARY OR PERMANENT CHANNEL LINING SHALL BE INSTALLED IN BOTH THE CONVEYANCE CHANNEL AND RECEIVING CHANNEL. (NOT APPLICABLE TO THIS PROJECT)

MS-12. WHEN WORK IN A LIVE WATERCOURSE IS PERFORMED, PRECAUTIONS SHALL BE TAKEN TO MINIMIZE ENCROACHMENT, CONTROL SEDIMENT TRANSPORT, AND STABILIZE THE WORK AREA TO THE GREATEST POSSIBLE EXTENT DURING CONSTRUCTION. NON-ERODIBLE MATERIAL SHALL BE USED FOR THE CONSTRUCTION OF CAUSEWAYS AND COFFERDAMS. EARTHEN FILL MAY BE USED FOR THESE STRUCTURES IF ARMORED BY NON-ERODIBLE COVER MATERIALS. (NOT APPLICABLE TO THIS PROJECT)

MS-13. WHEN A LIVE WATERCOURSE MUST BE CROSSED BY CONSTRUCTION VEHICLES MORE THAN TWICE IN ANY SIX-MONTH PERIOD, A TEMPORARY VEHICULAR STREAM CROSSING CONSTRUCTED OF NON-ERODIBLE MATERIAL SHALL BE PROVIDED. (NOT APPLICABLE TO THIS PROJECT)

MS-14. ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS PERTAINING TO WORKING IN OR CROSSING LIVE WATERCOURSES SHALL BE MET. (NOT APPLICABLE TO THIS PROJECT)

MS-15. THE BED AND BANKS OF A WATERCOURSE SHALL BE STABILIZED IMMEDIATELY AFTER WORK IN THE WATERCOURSE IS COMPLETED. (NOT APPLICABLE TO THIS PROJECT)

- MS-16. UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA: (NOT APPLICABLE TO THIS PROJECT)
- A. NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME.
- B. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.
- C. EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTY.
- D. MATERIAL USED FOR BACKFILLING TRENCHES SHALL BE PROPERLY COMPACTED IN ORDER TO MINIMIZE EROSION AND PROMOTE STABILIZATION. (GENERAL LAND CONSERVATION NOTE #4)
- E. RE-STABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE REGULATIONS.
- F. APPLICABLE SAFETY REGULATIONS SHALL BE COMPLIED WITH.

MS-17. WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED OR PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY VEHICULAR TRACKING ONTO THE PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PAVED OR PUBLIC ROAD SURFACE, THE ROAD SURFACE SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. THIS PROVISION SHALL APPLY TO INDIVIDUAL DEVELOPMENT LOTS AS WELL AS TO LARGER LAND-DISTURBING ACTIVITIES. (SEE CONSTRUCTION ENTRANCE NOTE ON THIS SHEET)

MS-18. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY THE LOCAL PROGRAM. TRAPPED SEDIMENT AND DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION. (GENERAL LAND CONSERVATION NOTES THIS SHEET)

MS-19. PROPERTIES AND WATERWAYS DOWNSTREAM FROM DEVELOPMENT SITES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION, EROSION, AND DAMAGE DUE TO INCREASES IN VOLUME, VELOCITY, AND PEAK FLOW RATE OF STORMWATER RUNOFF FOR THE STATED FREQUENCY STORM OF 24-HOUR DURATION IN ACCORDANCE WITH THE FOLLOWING STANDARDS AND CRITERIA: (SEE EROSION AND SEDIMENT CONTROL NARRATIVE ON THIS SHEET)

A. CONCENTRATED STORMWATER RUNOFF LEAVING A DEVELOPMENT SITE SHALL BE DISCHARGED DIRECTLY INTO AN ADEQUATE NATURAL OR MAN-MADE RECEIVING

CHANNEL, PIPE, OR STORM SEWER SYSTEM. FOR THOSE SITES WHERE RUNOFF IS DISCHARGED INTO A PIPE OR PIPE SYSTEM, DOWNSTREAM STABILITY ANALYSES AT THE OUTFALL OF THE PIPE OR PIPE SYSTEM SHALL BE PERFORMED.

- B. ADEQUACY OF ALL CHANNELS AND PIPES SHALL BE VERIFIED IN THE FOLLOWING MANNER:
1. THE APPLICANT SHALL DEMONSTRATE THAT THE TOTAL DRAINAGE AREA TO THE POINT OF ANALYSIS WITHIN THE CHANNEL IS ONE HUNDRED TIMES GREATER THAN THE CONTRIBUTING DRAINAGE AREA OF THE PROJECT IN QUESTION; OR
2. (A) NATURAL CHANNELS SHALL BE ANALYZED BY THE USE OF A TWO-YEAR STORM TO VERIFY THAT STORMWATER WILL NOT OVERTOP CHANNEL BANKS NOR CAUSE EROSION OF CHANNEL BED OR BANKS; AND
- (B) ALL PREVIOUSLY CONSTRUCTED MAN-MADE CHANNELS SHALL BE ANALYZED BY THE USE OF A TEN-YEAR STORM TO VERIFY THAT STORMWATER WILL NOT OVERTOP ITS BANKS AND BY THE USE OF A TWO-YEAR STORM TO DEMONSTRATE THAT STORMWATER WILL NOT CAUSE EROSION OF CHANNEL BED OR BANKS; AND
- (C) PIPES AND STORM SEWER SYSTEMS SHALL BE ANALYZED BY THE USE OF A TEN-YEAR STORM TO VERIFY THAT STORMWATER WILL BE CONTAINED WITHIN THE PIPE OR SYSTEM.
- C. IF EXISTING NATURAL RECEIVING CHANNELS OR PREVIOUSLY CONSTRUCTED MAN-MADE CHANNELS OR PIPES ARE NOT ADEQUATE, THE APPLICANT SHALL:
1. IMPROVE THE CHANNEL TO A CONDITION WHERE A TEN-YEAR STORM WILL NOT OVERTOP THE BANKS AND A TWO-YEAR STORM WILL NOT CAUSE EROSION TO THE CHANNEL BED OR BANKS; OR
2. IMPROVE THE PIPE OR PIPE SYSTEM TO A CONDITION WHERE THE TEN-YEAR STORM IS CONTAINED WITHIN THE APPURTENANCES; OR
3. DEVELOP A SITE DESIGN THAT WILL NOT CAUSE THE PRE-DEVELOPMENT PEAK RUNOFF RATE FROM A TWO-YEAR STORM TO INCREASE WHEN RUNOFF OUTFALLS INTO A NATURAL CHANNEL, OR WILL NOT CAUSE THE PRE-DEVELOPMENT PEAK RUNOFF RATE FROM A TEN-YEAR STORM TO INCREASE WHEN RUNOFF OUTFALLS INTO A MAN-MADE CHANNEL; OR
4. PROVIDE A COMBINATION OF CHANNEL IMPROVEMENT, STORMWATER DETENTION, OR OTHER MEASURES TO PREVENT DOWNSTREAM EROSION SATISFACTORY TO THE PLAN-APPROVING AUTHORITY.
- D. THE APPLICANT SHALL PROVIDE EVIDENCE OF PERMISSION TO MAKE THE IMPROVEMENTS.
- E. ALL HYDROLOGIC ANALYSES SHALL BE BASED ON THE EXISTING WATERSHED CHARACTERISTICS AND THE ULTIMATE DEVELOPMENT OF THE SUBJECT PROJECT.
- F. IF THE APPLICANT CHOOSES AN OPTION THAT INCLUDES STORMWATER DETENTION, HE SHALL OBTAIN APPROVAL FROM THE LOCALITY OF A PLAN FOR MAINTENANCE OF THE DETENTION FACILITIES. THE PLAN SHALL SET FORTH MAINTENANCE REQUIREMENTS OF THE FACILITY AND DESIGNATE THE PERSON RESPONSIBLE FOR PERFORMING THE MAINTENANCE.
- G. OUTFALL FROM A DETENTION FACILITY SHALL BE DISCHARGED TO A RECEIVING CHANNEL, AND ENERGY DISSIPATORS PLACED AT THE OUTFALL OF THE DETENTION FACILITIES AS NECESSARY TO PROVIDE A STABLE TRANSITION FROM THE FACILITY TO THE RECEIVING CHANNEL.
- H. ALL ON-SITE CHANNELS MUST BE VERIFIED TO BE ADEQUATE.
- I. INCREASED VOLUMES OF SHEET FLOWS CAUSING EROSION OR SEDIMENTATION ON ADJACENT PROPERTY SHALL BE DIVERTED TO A STABLE OUTLET, ADEQUATE CHANNEL, PIPE OR PIPE SYSTEM, OR TO A DETENTION FACILITY.
- J. IN APPLYING THESE STORMWATER RUNOFF CRITERIA, INDIVIDUAL LOTS OR PARCELS IN A RESIDENTIAL, COMMERCIAL, OR INDUSTRIAL DEVELOPMENT SHALL NOT BE CONSIDERED TO BE SEPARATE DEVELOPMENT PROJECTS. INSTEAD, THE DEVELOPMENT AS A WHOLE SHALL BE TREATED AS A SINGLE PROJECT. HYDROLOGIC PARAMETERS THAT REFLECT THE ULTIMATE DEVELOPMENT STATE SHALL BE USED IN ALL ENGINEERING CALCULATIONS.
- K. ALL MEASURES USED TO PROTECT PROPERTIES AND WATERWAYS SHALL BE EXECUTED IN A MANNER THAT MINIMIZES THE IMPACT ON THE PHYSICAL, CHEMICAL, AND BIOLOGICAL INTEGRITY OF RIVERS, STREAMS, AND OTHER WATERS OF THE STATE.
- L. ANY PLAN APPROVED PRIOR TO JULY 1, 2014, THAT PROVIDES FOR STORMWATER MANAGEMENT THAT ADDRESSES ANY FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS FOR NATURAL OR MAN-MADE CHANNELS SHALL SATISFY THE FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS FOR NATURAL OR MAN-MADE CHANNELS IF THE PRACTICES ARE DESIGNED TO (I) DETAIL ALL WATER QUALITY VOLUME AND TO RELEASE IT OVER 48 HOURS; (II) DETAIN AND RELEASE OVER A 24-HOUR PERIOD THE EXPECTED RAINFALL RESULTING FROM THE ONE YEAR, 24-HOUR STORM; AND (III) REDUCE THE ALLOWABLE PEAK FLOW RATE RESULTING FROM THE 1.5, 2, AND 10-YEAR, 24-HOUR STORMS TO A LEVEL THAT IS LESS THAN OR EQUAL TO THE PEAK FLOW RATE FROM THE SITE ASSUMING IT WAS IN A GOOD FORESTED CONDITION, ACHIEVED THROUGH MULTIPLICATION OF THE FORESTED PEAK FLOW RATE BY A REDUCTION FACTOR THAT IS EQUAL TO THE RUNOFF VOLUME FROM THE SITE WHEN IT WAS IN A GOOD FORESTED CONDITION DIVIDED BY THE RUNOFF VOLUME FROM THE SITE IN ITS PROPOSED CONDITION, AND SHALL BE EXEMPT FROM ANY FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS FOR NATURAL OR MAN-MADE CHANNELS AS DEFINED IN ANY REGULATIONS PROMULGATED PURSUANT TO § 62.1-44.15.54 OR 62.1-44.15.65 OF THE ACT.
- M. FOR PLANS APPROVED ON OR AFTER JULY 1, 2014, THE FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS OF § 62.1-44.15.52A OF THE ACT AND THIS SUBSECTION SHALL BE SATISFIED BY COMPLIANCE WITH WATER QUANTITY REQUIREMENTS IN THE STORMWATER MANAGEMENT ACT (§ 62.1-44.15.24 ET. SEQ. OF THE CODE OF VIRGINIA) AND ATTENDANT REGULATIONS, UNLESS SUCH LAND-DISTURBING ACTIVITIES ARE IN ACCORDANCE WITH 9VAC25-870-48 OF THE VIRGINIA STORMWATER MANAGEMENT PROGRAM (VSMF) REGULATION OR ARE EXEMPT PURSUANT TO SUBDIVISION C7 OF § 62.1-44.15.34 OF THE ACT.
- N. COMPLIANCE WITH THE WATER QUANTITY MINIMUM STANDARDS SET OUT IN 9VAC25-870-66 OF THE VIRGINIA STORMWATER MANAGEMENT PROGRAM (VSMF) REGULATION SHALL BE DEEMED TO SATISFY THE REQUIREMENTS OF THIS SUBDIVISION 19.

EROSION & SEDIMENT CONTROL NARRATIVE

PROJECT DESCRIPTION: THIS PROJECT PROPOSES ACCESSIBLE IMPROVEMENTS IN PICNIC AND PARK VISITOR AREAS THROUGHOUT THE PARK. THE IMPROVEMENTS INCLUDE PARKING AND ROUTES TO SHELTERS AND PICNIC AREAS. EACH PROJECT IS UNDER 2,500 SQUARE FEET OF DISTURBANCE AND ARE LOCATED IN THE CUB RUN WATERSHED.

EXISTING CONDITIONS: THE PROJECT LIMITS CURRENTLY CONSIST OF AN EXISTING GRAVEL DRIVEWAY, EXISTING PATHWAYS, AND EXISTING ACCESSORY STRUCTURES.

ADJACENT PROPERTY: THE PROJECT LIMITS ARE LOCATED COMPLETED WITHIN THE BULL RUN REGIONAL PARK.

OFF-SITE AREAS: ALL DISTURBANCE IS ON-SITE AND WITHIN THE BULL RUN REGIONAL PARK.

SOIL: ACCORDING TO FAIRFAX COUNTY SOILS MAP (PROVIDED ON THE COVER SHEET) THE SITE CONSISTS OF BIRDSBORO LOAM (I), BOWMANVILLE SILT LOAM (II), DULLES SILT LOAM (III), PANORAMA LOAM (I), ROWLAND SILT LOAM (III), AND URBAN LAND (IVB).

CRITICAL EROSION AREAS: THE CRITICAL EROSION AREAS ARE ALONG THE LIMITS OF DISTURBANCE WHERE EROSION WILL BE KEPT ON-SITE.

PHASE I EROSION AND SEDIMENT CONTROL MEASURES: LIMITS OF DISTURBANCE INCLUDE THE AREA NECESSARY TO INSTALL ALL PROPOSED EROSION AND SEDIMENT CONTROLS FOR THE PROJECT. FIRST, THE CONTRACTOR MUST INSTALL THE CONSTRUCTION ENTRANCE (OR USE AN EXISTING VEHICLE AREA), STOCKPILE AREA, AND PERIMETER CONTROLS. THE DOWNSTREAM PERIMETER OF THE LIMITS OF DISTURBANCE SHALL BE SECURED WITH SUPER SILT FENCE AS DESIGNATED ON THE E&S PLAN. CONSULT COUNTY INSPECTOR PRIOR TO COMMENCING DEMOLITION ACTIVITIES. PRIOR TO ANY LAND DISTURBANCE, INSTALL TREE PROTECTION MEASURES AS DESIGNATED ON EROSION PLAN.

ONCE ALL EROSION AND SEDIMENT CONTROLS ARE INSTALLED, THE CONTRACTOR MAY MOVE ON TO THE INSTALLATION OF THE PROPOSED IMPROVEMENTS FOR EACH PROJECT AREA. THE CONSTRUCTION ENTRANCE SHALL BE PLACED AS SHOWN ON THE E&S PLAN AND IS TO REMAIN IN PLACE THROUGHOUT CONSTRUCTION. SUPER SILT FENCE, AND TREE PROTECTION SHALL REMAIN AS PERIMETER CONTROL THROUGHOUT CONSTRUCTION.

PERMANENT STABILIZATION: ALL AREAS DISTURBED BY CONSTRUCTION OPERATIONS AND NEWLY GRADED AREAS SHALL BE SODDED ON SLOPES STEEPER THAN 3:1 AND SEEDED ON ALL OTHER AREAS. IF SEEDING AND SODDING CANNOT BE ACCOMPLISHED DURING SCHEDULED TIME, PROTECT DISTURBED AREAS WITH MULCH OR JUTE MESH. RECOMMENDED SEEDING AND SODDING TIME SHALL BE IN SPRING BETWEEN FEBRUARY 1 AND APRIL 30 OR IN FALL BETWEEN SEPTEMBER 1 AND OCTOBER 15. ALSO SEE MS #3 THIS SHEET.

1. SELECTION OF PLANT MATERIAL IS BASED ON CLIMATE, TOPOGRAPHY, SOILS, LAND USE, AND PLANTING SEASON. A SITE SPECIFIC MIX DETERMINED USING TABLES 3.32A AND 3.32B OF THE VESCH. ALL PERMANENT SEEDING SHALL BE PLACED PER THE VESCH 3.32.

2. THE SOIL TO BE PLANTED ON MUST BE IN ACCORDANCE WITH STD. 3.30

3. SOD SHALL BE PLACED ACCORDING TO SECTION 3.32 OF THE VESCH AND AS NECESSARY BASED ON THE ABOVE GENERAL STATEMENT. SECTION 3.33 OF THE VESCH SHALL BE ABIDED BY IN TERMS OF SODDING AS WELL.

TEMPORARY STABILIZATION: THE ESTABLISHMENT OF A TEMPORARY VEGETATIVE COVER ON DISTURBED AREAS BY SEEDING WITH APPROPRIATE RAPIDLY GROWING ANNUAL PLANTS; EMPLOYED TO REDUCE EROSION AND SEDIMENTATION BY STABILIZING DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE FOR A PERIOD OF MORE THAN 14 DAYS, TO REDUCE DAMAGE FROM SEDIMENT AND RUNOFF TO DOWNSTREAM OR OFF-SITE AREAS, AND TO PROVIDE PROTECTION TO BARE SOILS EXPOSED DURING CONSTRUCTION UNTIL PERMANENT VEGETATION OR OTHER EROSION CONTROL MEASURES CAN BE ESTABLISHED. WHERE EXPOSED SOIL SURFACES ARE NOT TO BE FINE-GRADED FOR PERIODS LONGER THAN 30 DAYS. SUCH AREAS INCLUDE DENUDED AREAS, SOIL STOCKPILES, DIKES, DAMS, SIDES OF SEDIMENT BASINS, TEMPORARY ROADBANKS, ETC.

(SEE MS #1 AND MS #2 ON THIS SHEET). A PERMANENT VEGETATIVE COVER SHALL BE APPLIED TO AREAS THAT WILL BE LEFT DORMANT FOR A PERIOD OF MORE THAN 1 YEAR.

1. SELECTION OF PLANT MATERIAL SHALL BE BASED ON THE SITE AND SEASON AND ADHERE TO VESCH TABLES 3.31B AND 3.31C.

2. LIMING SHALL BE IN ACCORDANCE WITH TABLE 3.31A OF THE VESCH.

3. IN ALL MATTERS TEMPORARY SEEDING SHALL BE IN ACCORDANCE WITH VESCH 3.31.

DUST CONTROL: PREVENT SURFACE AND AIR MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES AND REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES WHICH MAY PRESENT HEALTH HAZARD, TRAFFIC SAFETY PROBLEMS OR HARM ANIMAL OR PLANT LIFE BY USING ONE OR A COMBINATION OF THE FOLLOWING METHODS IN ACCORDANCE TO SECTION 3.39 OF THE VESCH: VEGETATIVE COVER, MULCH, TILLAGE, IRRIGATION, SPRAY-ON ADHESIVES, STONE, BARRIERS, CALCIUM CHLORIDE, AND PERMANENT VEGETATION.

MAINTENANCE

CONSTRUCTION ENTRANCE: THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR THE WASHING AND REWORKING OF EXISTING STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY. THE USE OF WATER TRUCKS OR AN EXISTING WATER SERVICE IS TO BE UTILIZED TO WASH CONSTRUCTION VEHICLES AND CONSTRUCTION MATERIALS DROPPED, WASHED, OR TRACKED ONTO ROADWAYS.

- SILT FENCE/SUPER SILT FENCE:
1. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
2. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED SILT FENCE RESULTING FROM END RUNS AND UNDERCUTTING.
3. SHOULD THE FABRIC ON A SILT FENCE DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER IS STILL NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
4. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
5. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED.

VEGETATIVE PRACTICES

1. TOPSOILING (STOCKPILE) -- 3.30
TOPSOIL WILL BE STRIPPED FROM AREAS TO BE GRADED AND STOCKPILED FOR LATER USE. STOCKPILE LOCATIONS ARE TO BE STABILIZED WITH TEMPORARY VEGETATION.

2. TEMPORARY SEEDING -- 3.31
ALL DENUDED AREAS WHICH WILL BE LEFT DORMANT FOR EXTENDED PERIODS OF TIME SHALL BE SEEDED WITH FAST GERMINATING TEMPORARY VEGETATION IMMEDIATELY FOLLOWING GRADING. SELECTION OF THE SEED MIXTURE WILL DEPEND ON THE TIME OF YEAR IT IS APPLIED.

3. PERMANENT SEEDING -- 3.32
ALL DENUDED AREAS WHERE PERMANENT, LONG-LIVED VEGETATIVE COVER IS NEEDED TO STABILIZE THE SOIL OR ROUGH-GRADED AREAS WHICH WILL NOT BE BROUGHT TO FINAL GRADE FOR A YEAR OR MORE. SELECTION OF PLANT MATERIAL IS BASED ON CLIMATE, LAND USE, AND PLANTING SEASON. REFER TO THE VESCH TO DETERMINE WHICH PLANT MATERIALS ARE BEST ADAPTABLE TO THE SITE.

- INLET/OUTLET PROTECTION
1. INLET/OUTLET PROTECTION SHALL BE INSPECTED IMMEDIATELY AFTER RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
2. ALL TEMPORARY SETTLING BASIN DEVICES SHALL BE CLEANED OUT AT 50% TRAP CAPACITY AND THE SEDIMENT SHALL BE DISPOSED OF BY SPREADING ON THE SITE OR HAULING AWAY THE SEDIMENT NOT SUITABLE FOR FILL. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
3. THE USE OF WATER TRUCKS OR AN EXISTING WATER SERVICE IS TO BE UTILIZED TO WASH CONSTRUCTION VEHICLES AND CONSTRUCTION MATERIALS DROPPED, WASHED, OR TRACKED ONTO ROADWAYS.

PERMANENT SEEDING MIXTURE NOTE:

PER THE VIRGINIA EROSION SEDIMENT CONTROL HANDBOOK STANDARD AND SPECIFICATION 3.32 PERMANENT SEEDING SHALL BE APPLIED (MINIMUM LAWN CARE) AS FOLLOWS:

175-200 LBS. PER ACRE:	
KENTUCKY 31 OR TURF TYPE TALL FESCUE	95-100%
IMPROVED PERENNIAL RYEGRASS	5%
KENTUCKY BLUEGRASS	5%

STOCKPILE NOTE:

EXCESS SOIL MATERIAL STORAGE ON-SITE IS NOT PERMITTED; ALL EXCESS MATERIAL WILL BE HAULED OFFSITE. THE GRADING/EXCAVATION CONTRACTOR FOR THE SUBJECT SITE IS REQUIRED TO NOTIFY, IN WRITING, THE ASSIGNED SITE INSPECTOR REGARDING ANY EXCESS MATERIAL PROPOSED TO BE HAULED OFFSITE. PRIOR TO HAULING, THE NOTIFICATION MUST INDICATE THE QUANTITY OF MATERIAL TO BE MOVED OFFSITE, IDENTIFICATION OF THE RECEIVING SITE WHERE THE EXCESS WILL BE TAKEN, AND ALL INFORMATION NECESSARY TO SHOW THAT SUCH RECEIVING SITE HAS BEEN PROPERLY PERMITTED AND HAS E&S CONTROLS INSTALLED.

GRADING NOTES TO CONTRACTOR:

1. SITE WORK CONTRACTOR TO FIELD CHECK FINAL GRADING TO ENSURE THE DEVELOPMENT IS GRADED IN ACCORDANCE WITH THE APPROVED SITE DEVELOPMENT/GRADING PLAN.
2. CONTRACTOR TO ENSURE POSITIVE DRAINAGE ACROSS ALL SURFACES TO PRECLUDE THE PONDING OF WATER, EITHER IN YARDS OR ON PAVED SURFACES. THIS DOES NOT APPLY TO PONDING ASSOCIATED WITH STORMWATER MANAGEMENT FACILITIES.
3. A SMOOTH GRADE SHALL BE MAINTAINED ACROSS ALL PAVEMENT SURFACES TO PRECLUDE THE FORMING OF FALSE GUTTERS AND / OR THE PONDING OF ANY WATER IN THE ROADWAY. FINISHED PAVING SURFACES SHALL BE FLUSH WITH ABUTTING SURFACES AT THE SAME ELEVATION (I.E. GUTTERS, SIDEWALKS, APRONS, ETC.).
4. THE SUB-BASE OF ALL PARKING AREAS AND TRAVEL LANES ON SITE SHALL BE PROOF ROLLED PRIOR TO THE PLACEMENT OF ANY PAVING MATERIALS TO IDENTIFY ANY AREAS OF INADEQUATE OR STRUCTURALLY UNSATISFACTORY MATERIAL THAT MUST BE UNDERCUT.
5. ANY PROPOSED STRUCTURAL FILL MATERIALS MUST HAVE APPROVAL OF THE PROJECT GEOTECHNICAL CONSULTANT PRIOR TO PLACEMENT AND COMPACTION. FILL MATERIALS SHALL BE COMPACTED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERS SPECIFICATIONS AND UNDER HIS/HER GUIDANCE.

GENERAL LAND CONSERVATION NOTES

1. THE ACCESS TO EACH CONSTRUCTION AREA WILL BE FROM THE STABILIZED GRAVEL OR PAVED PARKING AREA.
2. THE CONSTRUCTION WILL TAKE PLACE AT A TIME OF EXPECTED DRY WEATHER FOR 3 (THREE) DAYS.
3. NO DISTURBED AREA WHICH IS NOT ACTIVELY BEING WORKED SHALL REMAIN DENUDED FOR MORE THAN 14 CALENDAR DAYS UNLESS OTHERWISE AUTHORIZED BY THE DIRECTOR OF PUBLIC WORKS.
4. THE CONSTRUCTION WILL TAKE PLACE FOR EACH AREA OVER THE COURSE OF A WEEK. IF ANY AREAS ARE EXPECTED TO BE LONGER OR FIELD CONDITIONS NECESSITATE, EROSION CONTROLS MAY BE PLACED TO KEEP SEDIMENT WITHIN THE LIMITS OF DISTURBANCE.
5. ANY DISTURBED AREA NOT COVERED BY AND NOT PAVED, SODDED OR BUILT UPON BY NOVEMBER 1, OR DISTURBED AFTER THAT DATE SHALL BE MULCHED IMMEDIATELY WITH HAY OR STRAW MULCH AT THE RATE OF 2 TONS/ACRE (4483 KG/Ha) AND OVER-SEEDED BY APRIL 15.
6. AT THE COMPLETION OF ANY PROJECT CONSTRUCTION, ANY TEMPORARY SEDIMENT CONTROLS SHALL BE REMOVED AND ALL DENUDED AREAS SHALL BE STABILIZED.

EROSION AND SEDIMENT CONTROL MEASURES

1. SAFETY FENCE -- 3.01
SAFETY FENCE SHALL BE INSTALLED AS SHOWN ON THE PLAN TO PROTECT AGAINST UNAUTHORIZED ACCESS INTO THE AREA OF CONSTRUCTION.
2. TEMPORARY CONSTRUCTION ENTRANCE -- 3.02
A TEMPORARY CONSTRUCTION ENTRANCE WITH A WASH RACK SHALL BE INSTALLED AS SHOWN ON THE PLAN. DURING MUDDY CONDITIONS, DRIVERS OF CONSTRUCTION VEHICLES WILL BE REQUIRED TO WASH THEIR WHEELS BEFORE ENTERING/EXITING THE SITE BY USE OF A WATER TRUCK OR EXISTING WATER SERVICE AS NECESSARY. ALL CONSTRUCTION ENTRANCES WILL BE GRADED SUCH THAT NO SEDIMENT-LADEN RUNOFF LEAVES THE SITE.
3. SILT FENCE BARRIER -- 3.05
SILT FENCE SEDIMENT BARRIERS WILL BE INSTALLED DOWNSLOPE OF AREAS WITH MINIMAL GRADES TO FILTER SEDIMENT-LADEN SHEET FLOW AS INDICATED ON THE PLANS.
4. PERMANENT SEEDING -- 3.32
GRASS AREAS WILL BE TREATED WITH SOD OR OTHER FORMS OR STABILIZATION. PLANTING AREAS SHALL BE MULCHED OR PLANTED WITH GROUNDCOVER AS PER THE PLANTING PLAN. NO AREAS AFFECTED BY THIS PLAN SHALL BE LEFT IN A DENUDED CONDITION AT THE COMPLETION OF CONSTRUCTION.
5. TREE PROTECTION -- 3.38
TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO CONSTRUCTION TO ENSURE THE SURVIVAL OF DESIRABLE TREES. TREE PROTECTION FENCING SHALL BE INSTALLED UNDER THE SUPERVISION OF A CERTIFIED ARBORIST AND ACCOMPLISHED IN A MANNER THAT DOES NOT HARM EXISTING VEGETATION THAT IS TO BE PRESERVED.
6. SUPER SILT FENCE BARRIER/TREE PROTECTION
SUPER SILT FENCE SEDIMENT BARRIERS/TREE PROTECTION WILL BE INSTALLED PRIOR TO CONSTRUCTION AND DOWNSLOPE OF AREAS WITH MINIMAL GRADES TO FILTER SEDIMENT-LADEN SHEET FLOW AND TO ENSURE THE SURVIVAL OF DESIRABLE TREES. THE INSTALLATION OF SUPER SILT FENCE, IF IT IS TO BE USED AS TREE PROTECTION FENCE, SHALL BE INSTALLED UNDER THE SUPERVISION OF A CERTIFIED ARBORIST AND ACCOMPLISHED IN A MANNER THAT DOES NOT HARM EXISTING VEGETATION THAT IS TO BE PRESERVED.

ENVIRONMENTAL NOTES

1. ALL EROSION SILTATION CONTROLS TO BE INSTALLED PRIOR TO STARTING PROJECT TO CONFORM TO THE VIRGINIA EROSION AND SEDIMENT CONTROL MANUAL.
2. THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS OF CLEANING MUD FROM TRUCKS AND/OR OTHER EQUIPMENT PRIOR TO ENTERING THE CITY OF FAIRFAX RIGHT-OF-WAY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN STREETS AND ALLEY DUST AND TO TAKE WHATEVER MEASURES NECESSARY TO ENSURE THAT THE ROAD IS MAINTAINED IN A CLEAN AND DUST-FREE CONDITION AT ALL TIMES.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM WORK IN SUCH A MANNER TO PREVENT THE WASHING OF ANY TOPSOIL, SILT, OR DEBRIS ONTO ADJACENT PROPERTIES.
4. IF THE PRESENCE OF ASBESTOS IS SUSPENDED IN THE SOIL, THE CONTRACTOR MUST CONTACT THE AIR POLLUTION CONTROL DIVISION OF THE FAIRFAX COUNTY HEALTH DEPARTMENT AT 703-246-2541.
5. ONSITE STORAGE OF FUEL SHALL BE LIMITED TO DIESEL FUEL TANKS NOT OVER 660 GALLONS CAPACITY. TANKS SHALL BE OF A LISTED TYPE AND SHALL BE PROVIDED WITH APPROVED SECONDARY CONTAINMENT, IMPACT PROTECTION AND PLACARDING. A MINIMUM 2A-40BC FIRE EXTINGUISHER SHALL BE PROVIDED IN THE VICINITY OF THE REFUELING AREA. A PERMIT FOR COMBUSTIBLE LIQUID STORAGE SHALL BE OBTAINED FROM THE OFFICE OF CODE ADMINISTRATION AT 703-385-7830. FUEL SHALL NOT BE PLACED IN ONSITE STORAGE TANKS UNTIL THE INSTALLATION HAS BEEN INSPECTED AND APPROVED.
6. ONSITE REPAIR OF VEHICLES AND EQUIPMENT SHALL BE LIMITED TO REPLACEMENT OF DAMAGED BELTS, HOSES AND TIRES. ANY SPILL OF FUEL, OIL, HYDRAULIC FLUID OR ANTI-FREEZE GREATER THAN ONE GALLON MUST BE REPORTED TO THE OFFICE OF CODE ADMINISTRATION AT 703-385-7830. ALL SPILLS MUST BE CLEANED UP PROMPTLY AND IN AN APPROVED MANNER.
7. THE OWNER SHALL BE RESPONSIBLE FOR ENSURING COMPLIANCE WITH CITY CODE SECTIONS REGARDING HEALTH AND SAFETY MENACES, INCLUDING ACCUMULATIONS OF WATER, STORAGE OF MATERIAL, CONSTRUCTION DEBRIS AND SECURITY OF THE SITE.
8. THE LINK TO THE ASBESTOS INFORMATION AND MAP ON THE FAIRFAX COUNTY WEBSITE: [HTTP://WWW.FAIRFAXCOUNTY.GOV/HD/ASB](http://www.fairfaxcounty.gov/hd/asb)
9. PRIOR TO THE START OF ANY SITE GRADING WORK, THE DEVELOPER OR OWNER SHALL PROVIDE THE COUNTY OF FAIRFAX PUBLIC WORKS FACILITIES INSPECTOR WITH DOCUMENTATION THAT A VSMF PERMIT HAS BEEN ISSUED BY THE VA DEPARTMENT OF CONSERVATION AND RECREATION. THE VSMF PERMIT REQUIRES THAT A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) BE KEPT AT THE CONSTRUCTION SITE AT ALL TIMES.

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

ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF FAIRFAX COUNTY, VIRGINIA.
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COMMONWEALTH OF VIRGINIA



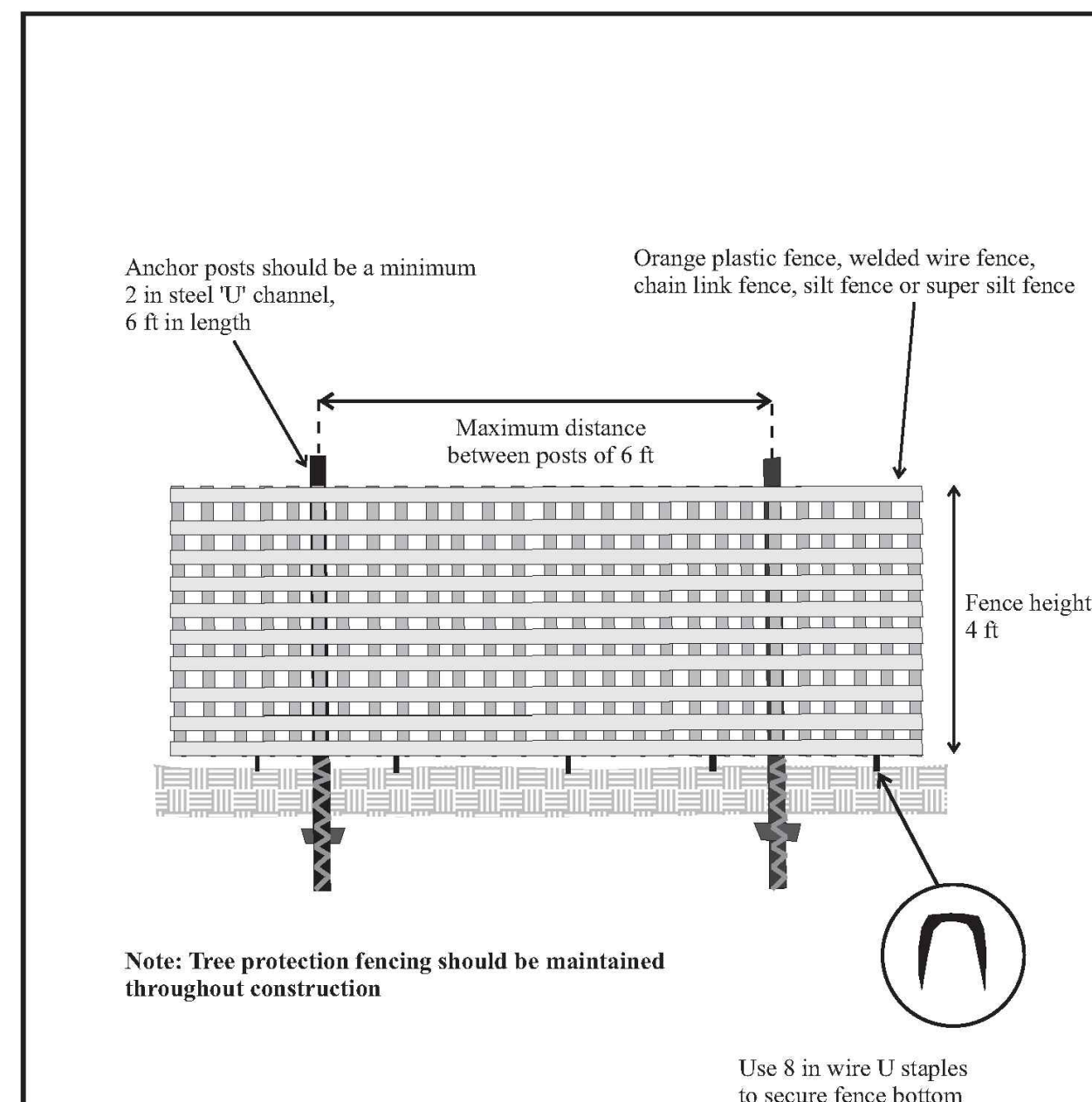
BRIAN A. DOFFLEMYER
Lic. No. 049136
5 SEPTEMBER 2018
PROFESSIONAL ENGINEER

ACCESSIBILITY IMPROVEMENTS
ON A PORTION OF THE PROPERTY AT THE
BULL RUN REGIONAL PARK
(7700 BULL RUN DRIVE)
SULLY DISTRICT
FAIRFAX COUNTY, VIRGINIA

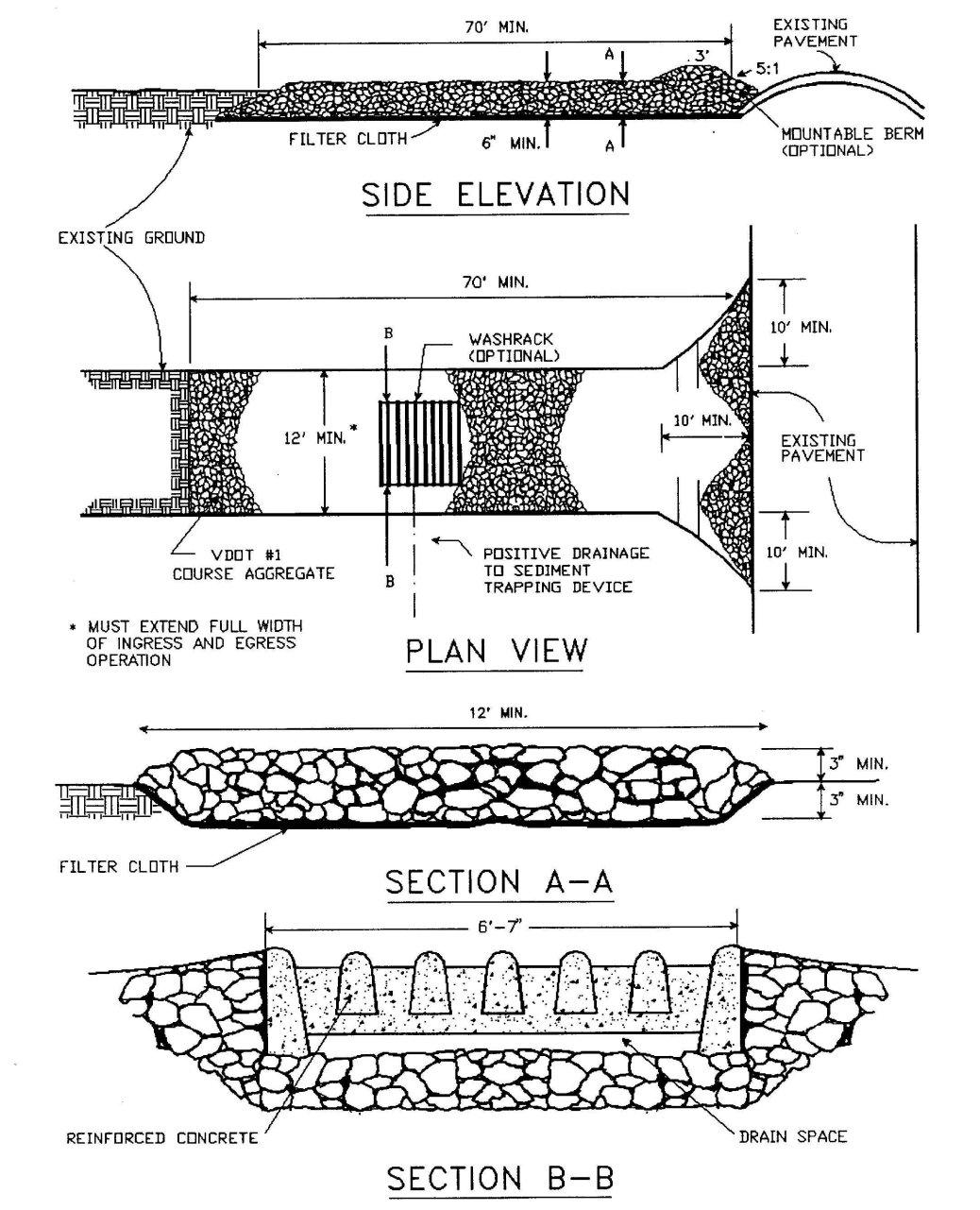
DATE	REVISION

DESIGN: BD
DRAWN: JD
SCALE: AS NOTED
DATE: 5 SEPT. 2018

EROSION AND
SEDIMENT
CONTROL
NARRATIVES

Adapted from: *Woodland Conservation Manual*, Prince George County, Maryland

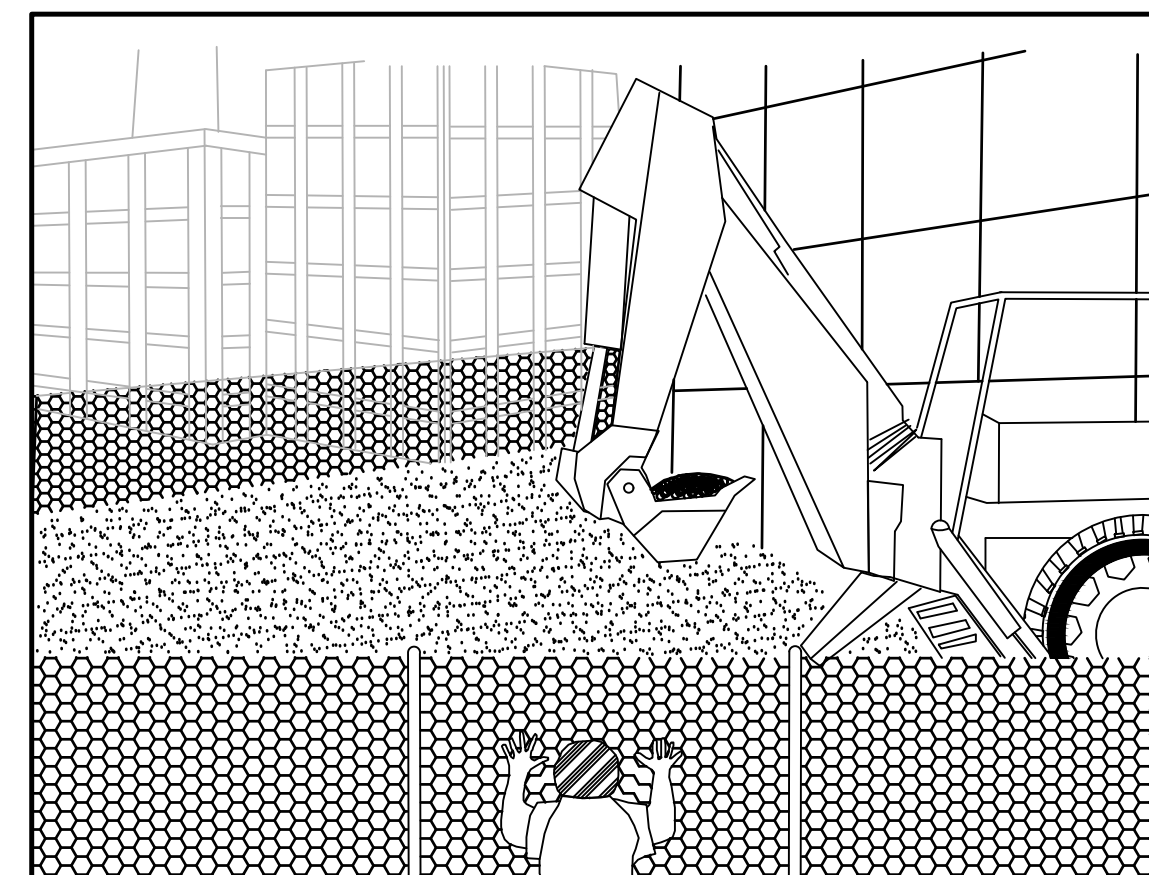
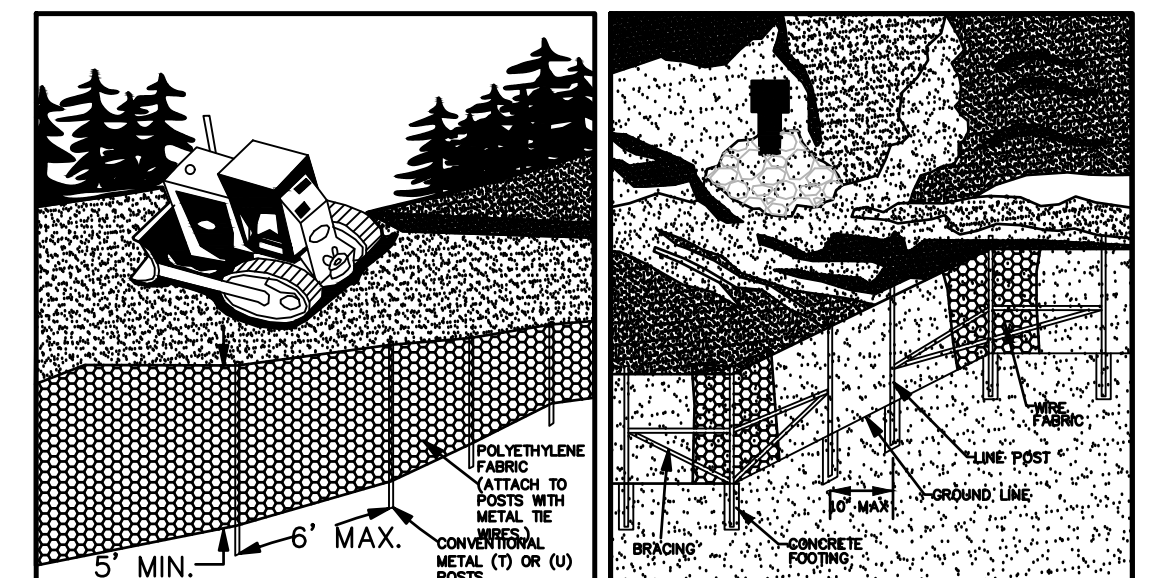
Ref. Sec. 12-0703.1B, 12-0505.1B	TREE PROTECTION FENCE INSTALLATION	PLATE NO. 6-12	STD. NO.
Rev. 2-02, 2011 Reprint			

STONE CONSTRUCTION ENTRANCE

Source: Adapted from 1983 Maryland Standards for Soil Erosion and Sediment Control, and Va. DSWC

Plate 3.02-1

III - 9

SAFETY FENCE DETAIL**PERSPECTIVE VIEW****PERSPECTIVE VIEW
PLASTIC FENCE****PERSPECTIVE VIEW
METAL FENCE****VIRGINIA UNIFORM CODING SYSTEM
KEY DESCRIPTIONS:**

- (CE) CONSTRUCTION ENTRANCE
STANDARD AND SPECIFICATION #3.02
- (SAF) SAFETY FENCE
STANDARD AND SPECIFICATION #3.01
- (SF) SILT FENCE
STANDARD AND SPECIFICATION #3.05
- (PS) PERMANENT SEEDING
STANDARD AND SPECIFICATION #3.32

**TREE PROTECTION ZONE
KEEP OUT**OFF LIMITS TO CONSTRUCTION EQUIPMENT,
MATERIALS, AND WORKERS

CALL 703-324-7470 TO REPORT VIOLATIONS

PENALTY FOR VIOLATIONS STRICTLY ENFORCED

PROHIBIDO ENTRAR

ZONA DE PROTECCION DEL ARBOL

LLAMAR AL TEL. 703-324-7470

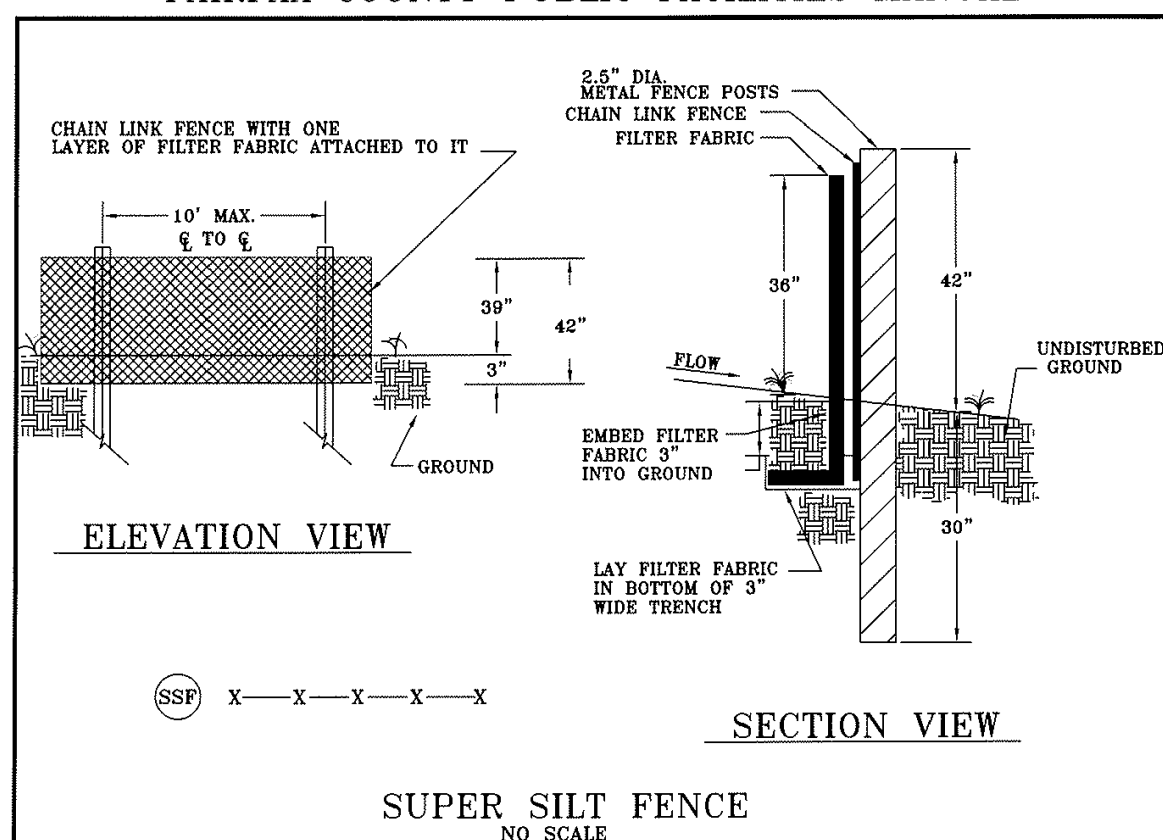
PARA REPORTAR INFRACCIONES

SPECIFICATIONS

- MINIMUM DIMENSION: 11 X 8 INCHES (W X H)
- BACKGROUND COLOR: RED OR YELLOW
- MINIMUM LETTER SIZE: LARGE = 0.48 INCHES
SMALL = 0.26 INCHES
- SIGNS MADE OF WEATHERPROOF MATERIAL

TREE PRESERVATION SIGN DETAIL**TREE PRESERVATION SIGN NOTE:**

WEATHERPROOF TREE PRESERVATION AREA SIGNS SHALL BE POSTED ON TREE PROTECTION FENCING. PER PFM 12-0703.3, THE PERMITTEE SHALL POST AND MAINTAIN BILINGUAL SIGNS AT THE LIMITS OF CLEARING AT A MINIMUM OF 50 FOOT INTERVALS. SIGNS SHALL BE POSTED IN ENGLISH AND SPANISH.

**FENCING**

Chain link fence shall be 36" above grade with 3" embedded for a total fabric width of 42". The post shall be 42" above grade with 30" placed below grade (without concrete) for a total length of 72".

NOTES

1. Chain link fence shall be fastened securely to fence posts with wire ties.
2. Filter fabric shall be fastened securely to chain link fence with ties spaced horizontally 24" at the top and midsection.
3. Physical properties of the filter fabric shall conform to the latest edition of THE VIRGINIA EROSION & SEDIMENT CONTROL HANDBOOK.
4. When two sections of filter fabric adjoin each other, they shall be overlapped by 6".
5. Maintenance shall be performed as needed and material shall be removed when sediment build-up reaches 50% of the height of the super silt fence.

Ref. Sec. 11-0110.3,
11-0110.32**SUPER SILT FENCE
NO SCALE**

PLATE NO.	STD. NO.
7-11	

Rev. 1-00, 2011 Reprint

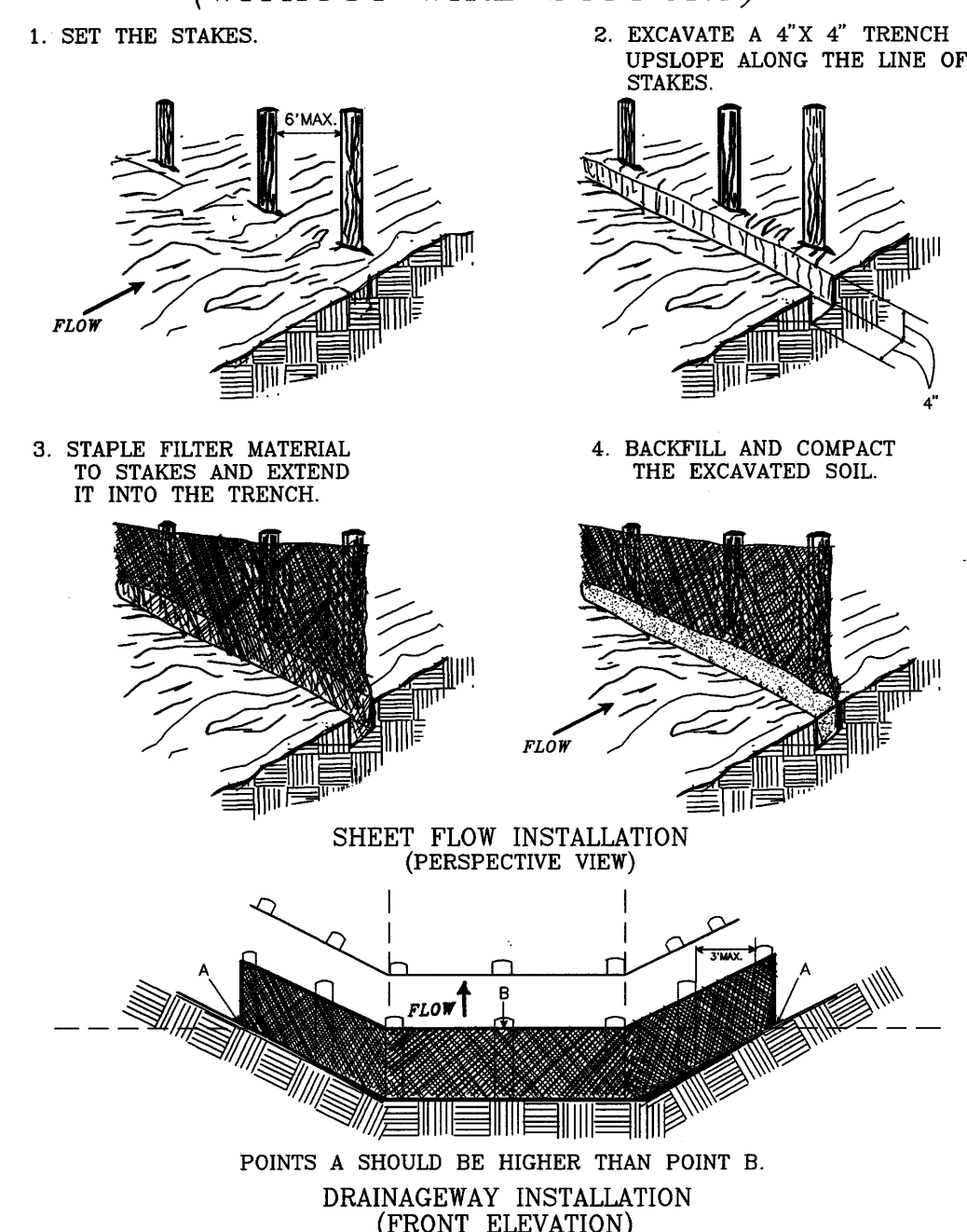
**CONSTRUCTION OF A SILT FENCE
(WITHOUT WIRE SUPPORT)**Source: Adapted from *Installation of Straw and Fabric Filter Barriers for Sediment Control*, Sherwood and Wyant

Plate 3.05-2

III - 25

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ACCESSIBILITY IMPROVEMENTS
ON A PORTION OF THE PROPERTY AT THE
BULL RUN REGIONAL PARK
(7700 BULL RUN DRIVE)
SULLY DISTRICT
FAIRFAX COUNTY, VIRGINIA

DATE REVISION

DESIGN: BD
DRAWN: JD
SCALE: AS NOTED
DATE: 5 SEPT. 2018

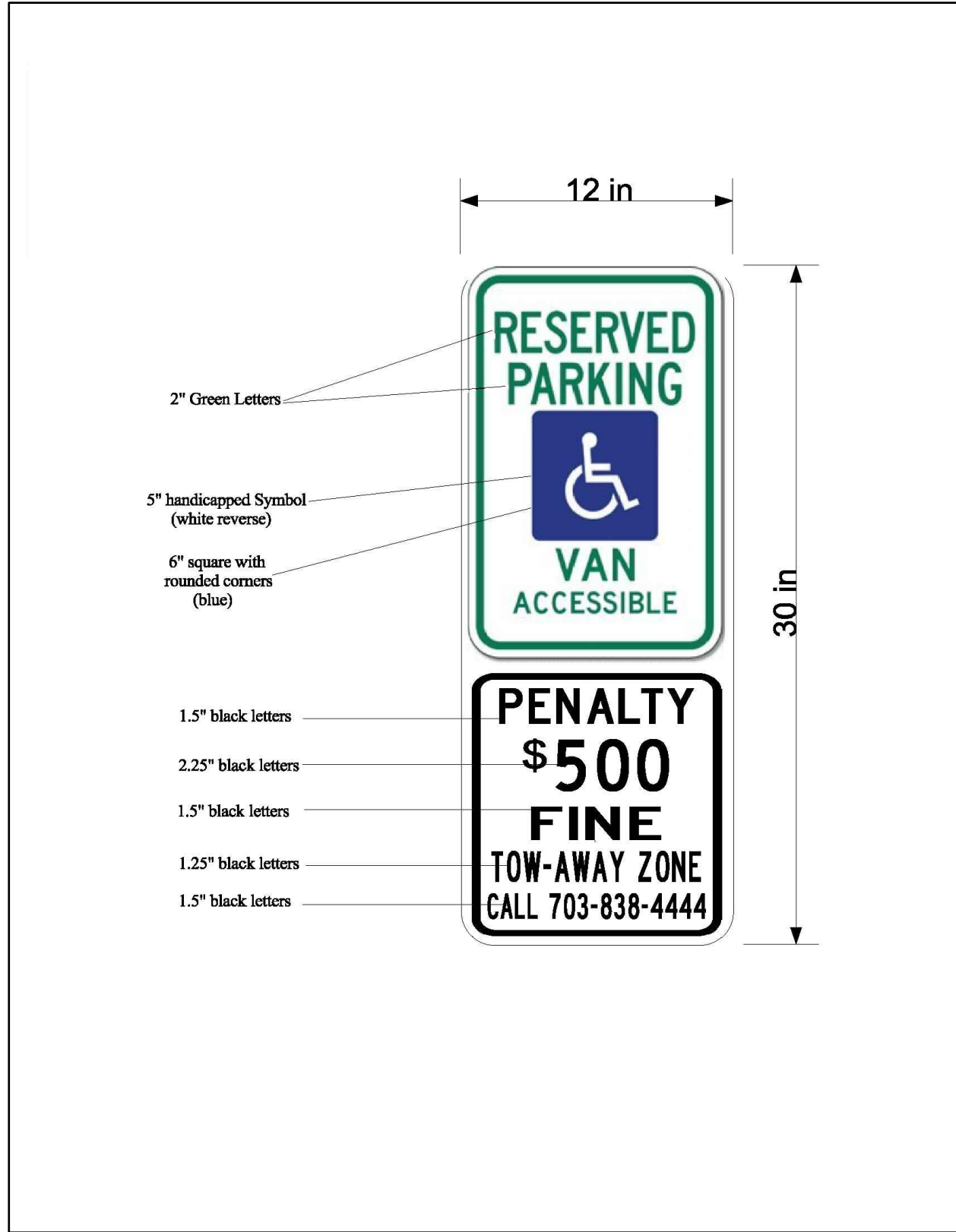
EROSION AND
SEDIMENT
CONTROL DETAILS

SHEET **18** OF **19**
FILE: **17-36**

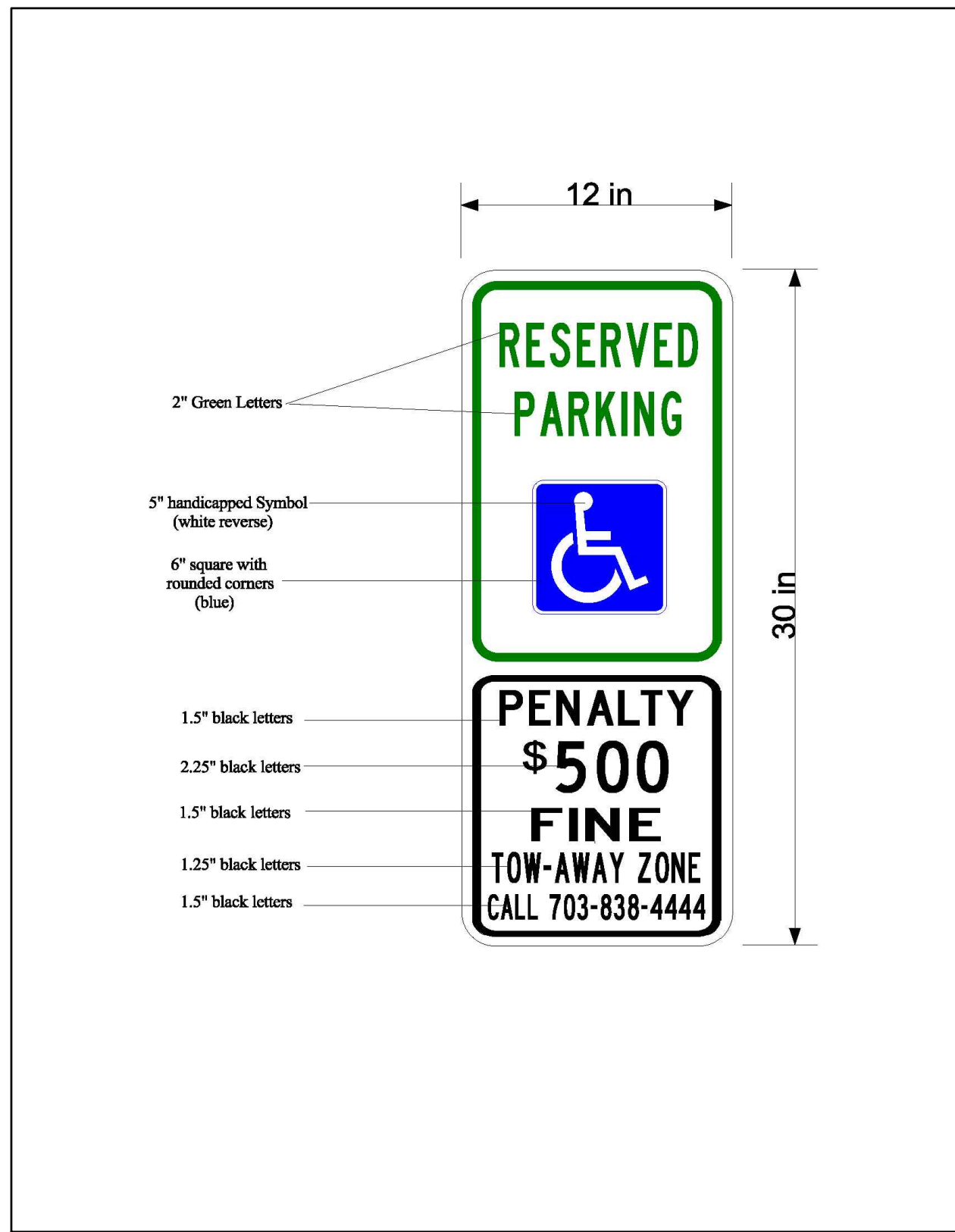
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ENGINEERING • LAND SURVEYING • PLANNING
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730 S. Washington Street
Alexandria, Virginia 22314
(703) 549-6422

COMMONWEALTH OF VIRGINIA
Brian A. Doffle
BRIAN A. DOFFLE
Lic. No. 049136
5 SEPTEMBER 2018
PROFESSIONAL ENGINEER

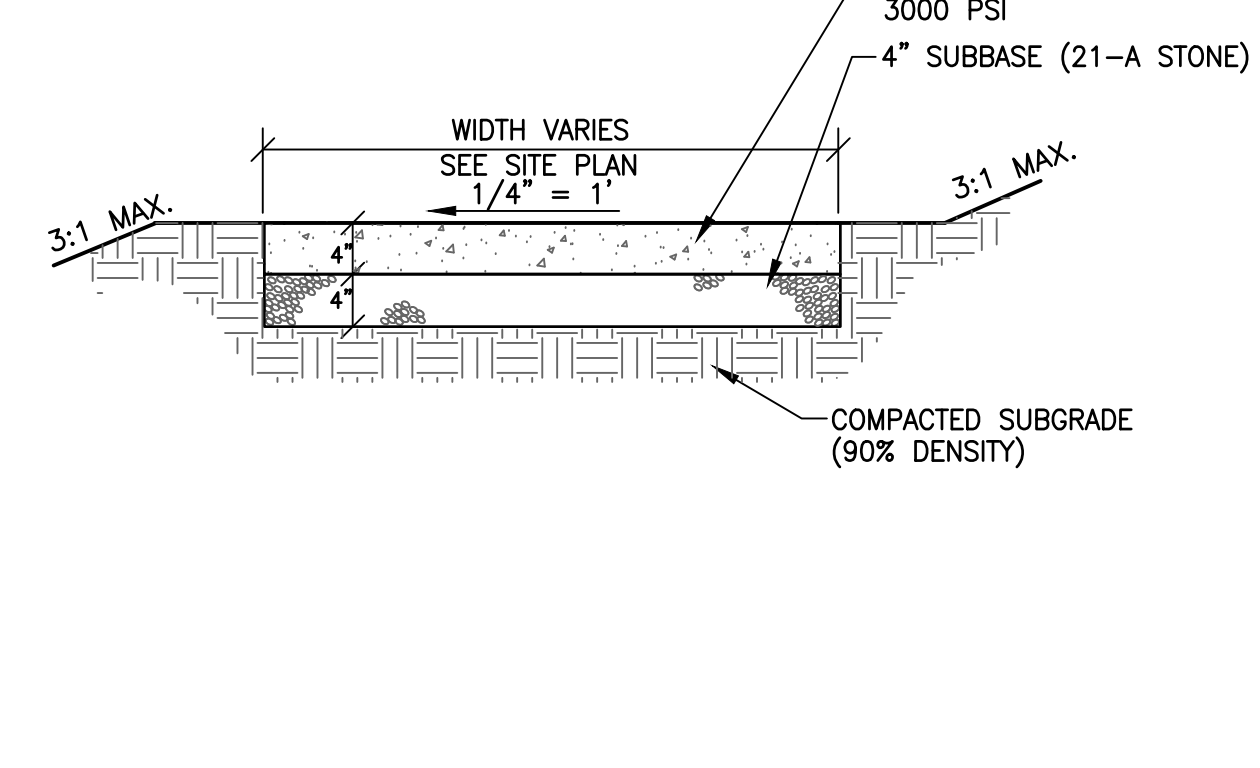
VAN ACCESSIBLE PARKING SIGN
NOT TO SCALE



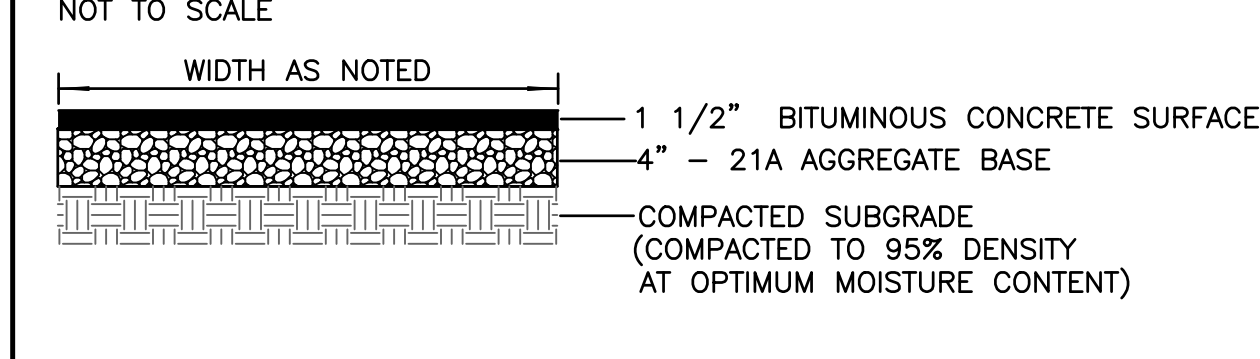
ACCESSIBLE PARKING SIGN
NOT TO SCALE



CONCRETE SIDEWALK DETAIL
NOT TO SCALE

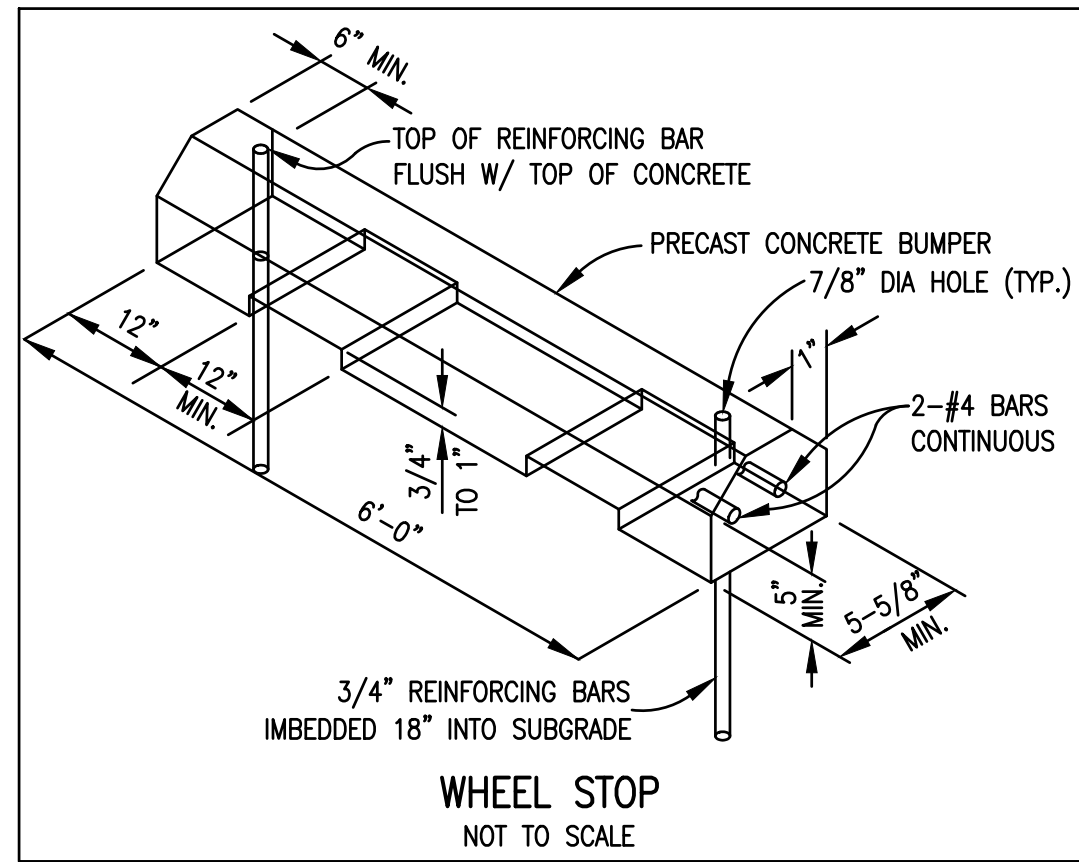
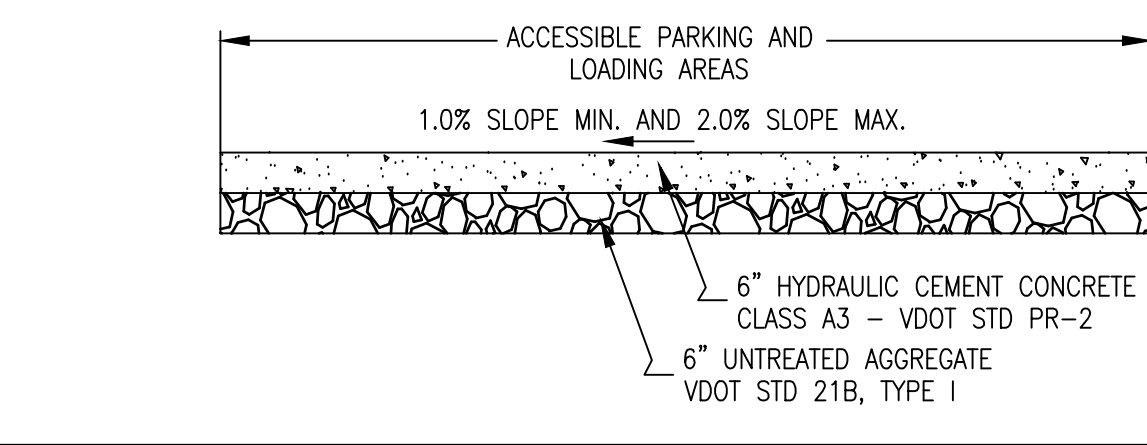


ASPHALT PAVEMENT ACCESSIBLE PATH AND PAD
NOT TO SCALE



ACCESSIBLE PATH NOTE:
THE MAXIMUM LONGITUDINAL SLOPE FOR AN ACCESSIBLE PATHWAY IS 5.0%
AND THE MAXIMUM CROSS SLOPE IS 2.0%

CONCRETE ACCESSIBLE PARKING AREA PAD
NOT TO SCALE



SIGNAGE NOTES:

- ALL PROPOSED SIGNING SHALL BE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF EACH OF THE FOLLOWING AND ANY REVISION THERETO:
 - MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
 - THE VIRGINIA SUPPLEMENT TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
 - THE VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE SPECIFICATIONS
 - THE VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE STANDARDS
- ALL SIGNS TO BE CONSTRUCTED FROM ENCAPSULATED LENS SHEETING.
- PROPOSED SIGN LOCATIONS ARE APPROXIMATE AND SHALL BE MODIFIED IN THE FIELD TO AVOID CONFLICT WITH UNDERGROUND UTILITIES OR OTHER OBSTRUCTIONS AND TO COMPLY WITH STANDARDS REFERENCED IN NOTE 1.
- FOR COLOR COMBINATION AND/OR LETTERING SIZE, REFER TO THE VIRGINIA SUPPLEMENT TO THE MUTCD.
- STOP SIGN TO BE STRATEGICALLY PLACED IN FIELD DURING CONSTRUCTION FOR MOST EFFICIENT LOCATION.
- SIGNS TO BE MOUNTED TO GREEN U-CHANNEL METAL POST.

PAVEMENT MARKING NOTE:

ALL PARKING SPACES TO BE DELINEATED WITH PAINTED STRIPING. ALL STRIPES AND MARKINGS TO BE A MINIMUM OF FOUR (4) INCHES IN WIDTH AND TO THE LENGTHS SHOWN. PAINT SHALL BE A HIGH QUALITY, WHITE, TRAFFIC-RATED PAINT.

DATE	REVISION

DESIGN: BD
DRAWN: JD
SCALE: AS NOTED
DATE: 5 SEPT. 2018

SITE DETAILS

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EXISTING UTILITIES SHOWN ON THIS PLAN TAKEN FROM AVAILABLE RECORDS AND/OR FROM FIELD OBSERVATIONS. FOR EXACT LOCATIONS OF EXISTING UNDERGROUND UTILITIES, NOTIFY "MISS UTILITY" AT 1-800-552-7001, 72 HOURS BEFORE THE START OF ANY EXCAVATION OR CONSTRUCTION.

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

ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF FAIRFAX COUNTY, VIRGINIA.
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