

BASELINE DOCUMENTATION REPORT
County of Chesterfield
Ware Bottom Church Battlefield Park Expansion
1800 Old Bermuda Hundred Road
Chester, VA 23836
51.629+/- Acres

February 23, 2022 – Prepared by SKTWorks LLC
Site Visits: December 8, 2021; March 11, 2022; and May 14, 2022



Post Office Box 17306
Richmond, VA 23226
804-745-3110



SKTWorks LLC
Post Office Box 816
Lexington, VA 24450
564-369-2006

BASELINE DOCUMENTATION REPORT ACKNOWLEDGEMENT FORM

The attached Baseline Documentation Report (“BDR”) describes the features and condition of the real property located in the County of Chesterfield, Virginia, comprising 51.629+/- acres subject to the “Deed of Gift of Easement” (“Deed”) and gifted by the County of Chesterfield via the Deed (“Property”).

For purposes of clarification, the parties to this transaction and their respective roles are as follows:

- County of Chesterfield – “Grantor”;
- The Capital Region Land Conservancy, Inc. – “Grantee”;
- SKTWorks LLC, independent and qualified firm engaged to complete this BDR.

The parties to this transaction, together, Grantors, Grantees, and the BDR preparer, hereby acknowledge that this BDR accurately reflects the features and condition of the Property as of the date of this BDR. This BDR is limited to conditions observed and readily visible on the Property at the time of the BDR preparer’s visit(s).

This BDR contains baseline documentation that will serve as a reference in monitoring the Property pursuant to the Deed as required by Treas. Reg. § 170A-14(g)(5). The BDR includes:

- Cover Page
- Acknowledgement Form (Signatures of Grantor, Grantee and BDR preparer)
- Easement Summary
- Location Map (1:24,000)
- Tax Map
- Plat showing compiled parcel of land and proposed easement, a total of 53.276 acres of land situated on the northern line of Old Bermuda Hundred Road (S.R.#:618) and on the southeastern line of Old Stage Road (S.R. #:732), prepared by Harvey L. Parks, Inc., November 20, 2015
- Aerial Map
- Topographic Map
- Soils Map
- Ware Bottom Church Battlefield Park Conceptual Plan prepared by the Chesterfield County Parks and Recreation Planning & Construction Services Division, dated November 2021 (Exhibit C of the recorded deed of easement)
- Special Conditions Map
- Battlefield Overview Map
- Chesterfield Station Battlefield Map
- Proctor’s Creek Battlefield Map
- Ware Bottom Church Battlefield Map
- Photo Point Map 1 (for photographs taken December 8, 2021)
- Photo Point Table 1 (for photographs taken December 8, 2021)
- Photo Layout Part 1, containing photographs of property dated December 8, 2021
- Photo Point Map 2 (for photographs taken May 14, 2022)
- Photo Point Table 2 (for photographs taken May 14, 2022)
- Photo Layout Part 2, containing photographs of property dated May 14, 2022

[Counterpart signature pages follow]

[Counterpart signature page 1 of 3]

Grantor: County of Chesterfield

By: _____

Name: _____

Date: _____

COMMONWEALTH OF VIRGINIA,
CITY/COUNTY OF _____, TO WIT:

The foregoing instrument was acknowledged before me this ____ day of _____, 20____ by
_____.

Notary Public

(SEAL)

My commission expires: _____
Registration No. _____

Grantee,

Accepted:
CAPITAL REGION LAND CONSERVANCY, INC.,

By: _____

Its: _____

COMMONWEALTH OF VIRGINIA,
CITY/COUNTY OF _____, TO WIT:

The foregoing instrument was acknowledged before me this _____ day of _____, 20____ by _____, President of the Capital Region Land Conservancy.

Notary Public

(SEAL)

My commission expires: _____
Registration No. _____

[Counterpart signature page 3 of 3]

By: _____
Sherri K. Tombarge

For SKTWorks LLC, BDR Preparer

COMMONWEALTH OF VIRGINIA,
CITY/COUNTY OF _____, TO WIT:

The foregoing instrument was acknowledged before me this _____ day of _____, 20____ by Sherri K. Tombarge, of SKTWorks LLC, Preparer of the Baseline Documentation Report.

Notary Public

(SEAL)

My commission expires: _____
Registration No. _____



Easement Summary

Board Meeting Date: March 19, 2019

Staff: Jane Myers

Owner/Property Name: Chesterfield County, Virginia/Ware Bottom Church Battlefield Park Expansion	County: Chesterfield	Acres: 51.629+/-
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Property Features/Conservation Values:

The property consists of approximately 51.629+/- acres in Chesterfield County including approximately 38.9 forested acres and significant utility easements. The property lies within or near several Civil War battlefield core or study areas.

The property includes approximately 51.55 acres of USDA-designated prime farmland soils and approximately 0.08 acres of Soils of Statewide Importance.

The easement conforms to the current comprehensive plan for the County of Chesterfield, “Chesterfield County Comprehensive Plan Moving Forward,” adopted on May 22, 2019, and is consistent with its goals. It has been approved by the county for use devoted to agricultural, forestal, horticultural or open-space uses. The Chesterfield County Planning Office confirmed in its letter dated October 7, 2021, that this easement is consistent with its Comprehensive Plan.

It is intended that the property will be open to the public for at least six consecutive hours on at least two days per calendar year.

The property has approximately 1,133 feet of frontage on Old Stage Road (VA Route 735) and approximately 1,610 feet of frontage on Old Bermuda Hundred Road (VA Route 618), both public transportation corridors, and is visible to the public traveling these roads.

The property was obtained under a Land and Water Conservation Fund grant through the U.S. Department of the Interior’s National Park Service - American Battlefield Protection Program, and this easement is consistent with the requirements of that grant (Wells Tract P20AP00450).

In compliance with Section 106 of the National Historic Preservation Act of 1966, the National Park Service consulted with the Federally Recognized Tribes (Tribes), which requested a Phase I archeological survey be completed in order to protect historic properties of religious and cultural importance to them. The James River Institute for Archaeology, Inc., for Schnabel Engineering, completed a Phase I archeological survey of the property especially as it relates to the planned placement of the park trails, shared-use paths, a parking lot, and a picnic shelter on November 5, 2021, and the report was provided to the Tribes with opportunity for them to review and comment. A memo from the National Park Service dated February 28, 2022, outlined no immediate concerns from Tribes. Any proposed ground-disturbing activity that could impact other areas of the property will be subject to the restrictions set forth in the deed of easement Section III, Paragraphs 6 and 7.

As shown on the Ware Bottom Church Battlefield Map, the entire property lies within the core area of the Ware Bottom Church Battlefield (VA054), as determined by the U.S. Department of the Interior’s Civil War Sites Advisory Commission (CWSAC), which has given the battlefield a Preservation Priority II.3 Class C rating. This rating indicates that the property has “good or fair integrity” but is facing “high or moderate threats” and references the Battle of Ware Bottom Church on May 20, 1864, which had an “observable influence on the outcome” of the Bermuda Hundred Campaign of the American Civil War.

As shown on the Chester Station Battlefield Map, the CWSAC has also determined that the entire property is located within the study area of the Chester Station Battlefield (VA051), which has a Preservation Priority IV.2 Class D rating. This identifies it as a “fragmented” battlefield with integrity “lost.”

As shown on the Proctor’s Creek Battlefield Map, the CWSAC has also determined that the entire property is located within the study area of the Proctor’s Creek Battlefield (VA053), which has a Preservation Priority IV.1 Class B rating. This identifies it as a “fragmented” battlefield with “poor” integrity.

As shown in the Ware Bottom Church Battlefield Park Archaeological Assessment prepared for the Chesterfield County Parks and Recreation Planning & Construction Services Division (map), the property contains archaeological features related to its use as a Civil War battlefield, including earthworks and trenches, historic road traces, and rifle pits.

Description of Historic Features:

Chester Station Battlefield: The Battle of Chester Station was fought May 10, 1864, a minor battle in the Bermuda Hundred Campaign that ended indecisively. Union troops (under Maj. Gen. Benjamin Butler), attempting to destroy the Richmond & Petersburg Railroad, were met by Confederate troops under Maj. Gen. Robert Ransom, part of the forces of Gen. P.G.T. Beauregard. The Confederate troops were pushed back, despite being reinforced, as Union reinforcements outnumbered them. Union troops destroyed some track but were prevented from completing their mission. Confederate troops withdrew to Drewry’s Bluff while Union troops withdrew to the Bermuda Hundred, site of the Battle of Ware Bottom Church 10 days later. Total estimated casualties were 569. The entire property falls within the Chester Station Battlefield Study Area.

Proctor’s Creek Battlefield: Part of the Bermuda Hundred Campaign, the Battle of Proctor’s Creek (or Drewry’s Bluff) was fought May 12-16, 1864, when Union troops under Maj. Gen. Benjamin Butler withdrew after their repulse at Swift Creek and Fort Clifton May 9 into entrenchments at Bermuda Hundred. Butler’s 30,000 troops confronted the Confederate line of 18,000 under Gen. P.G.T. Beauregard at Drewry’s Bluff. Lacking the support of gunboats, Butler’s approach was cautious, and at dawn on May 16 Confederate troops attacked his right flank. His troops demoralized and disorganized, Butler withdrew to the Bermuda Hundred Line, his offensive against Richmond halted. Total troops engaged were 48,000, with estimated casualties of 6,660. The entire property falls within the Proctor Creek Battlefield Study Area.

Ware Bottom Church Battlefield: The Battle of Ware Bottom Church, fought on May 20, 1864, was a victory for the Confederate troops, led by Gen. P.G.T. Beauregard, who attacked the Union Bermuda Hundred line. Union troops, led by Maj. Gen. Benjamin Butler, remained in their defenses following the battle, and the Confederates began work on the Howlett Line, earthworks from the James River to the Appomattox River that trapped the Union troops in the Bermuda Hundred peninsula. Total troops engaged were 10,000, with estimated casualties of 1,500. This and the Proctor’s Creek victory allowed Confederates to reinforce Gen. Robert E. Lee’s army at Cold Harbor. During fighting the next month, however, the Ware Bottom Church, one of the oldest in Virginia, was intentionally destroyed by the Confederates, who eventually gave up the

ground, putting the site between Union and Confederate lines. The entire property falls within the Ware Bottom Church Battlefield Core Area and Study Area.

One Civil War earthworks identified as VCRIS 44CF0578 represents a large number of surviving earthworks associated with the Confederate Howlett Line and Federal Bermuda Hundred defenses, which were constructed and manned during 1864-1865.

One Civil War earthworks identified as VCRIS 44CF0840 represents a lengthy section of Civil War earthworks, most likely first constructed by Federal troops during their initial occupation of Bermuda

Hundred in May 1864, but soon captured and reversed by Confederate forces and integrated into their Howlett Line of defenses.

One historic site (unknown date) identified as VCRIS 44CF0897 represents a limited scatter of historic artifacts of unknown date.

One historic (19th century) road trace identified as VCRIS 44CF0912 was the precursor to the current Old Bermuda Hundred Road and is depicted on historic maps dating from the 1850s through the 1890s.

One historic road trace (unknown date) identified as VCRIS 44CF0913.

One cluster of Civil War rifle pits identified as VCRIS 44CF0914.

One Civil War earthworks identified as VCRIS 44CF0915.

The James River Institute for Archaeology, Inc., conducted a Phase IA Archaeological Assessment and Phase I Archaeological Survey from August to September 2021. The associated report, dated November 2021, is titled "Phase IA Archaeological Assessment and Phase I Archaeological Survey for the Ware Bottom Park Expansion Chesterfield County, Virginia" (DHR File No. 2018-3987). Information about archeological site location and content are formally recorded in that report and the Virginia Department of Historic Resources permanent archive.

Riparian Buffer and DCR Conservation Purpose (VLCF Criteria):

None

For LPC-1 Form: N/A

DCR Conservation Purpose (VLCF Criteria)

Agricultural Use	<input type="checkbox"/>	Natural Habitat/Biological Diversity	<input type="checkbox"/>
Forestal Use	<input type="checkbox"/>	Natural-Resource Based Outdoor Recreation or Education	<input checked="" type="checkbox"/>
Historic Preservation	<input checked="" type="checkbox"/>	Preservation of Scenic Open Space	<input checked="" type="checkbox"/>
Watershed Preservation	<input type="checkbox"/>	Conservation of Open Space Lands Designated by Local Government	<input checked="" type="checkbox"/>

Built Environment (BE):

There are no dwellings or other buildings on the property. Total square footage of new buildings or structures ancillary to the property's use as a battlefield park or historic site must not, in the aggregate, exceed 2,500 square feet.

of Existing Dwellings: 0

Total # Dwellings Allowed: 0

Impervious Surface:

Impervious surfaces on the property may not exceed 31,500 square feet.

Public Infrastructure Info:	Conflicts with published plans:	Yes	No
Road: Frontage on Old Bermuda Hundred and Old Stage roads with variable rights of way		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rail: N/A		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Utilities: 175-foot VEPCO easement		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Tax Map:	County Acreage:
GPIN 804-650-3355	51.629

Easement Boundary was created using:	
Source Type (include citation and year)	Description of Use and Extent/Other Comments
1. Plat titled "Plat Showing Compiled Parcel of Land and Proposed Easements. A Total of 53.276 acres of Land Situated on the Northern Line of Old Bermuda Hundred Road (S.R. #618) and on the Southeastern Line of Old Stage Road (S.R. #732)" by Harvey L. Parks, Inc., dated November 20, 2015.	1. Plat was plotted using the COGO tools in ArcGIS Desktop 10.8.2
2. Chesterfield County Tax Parcel Layer	2. Used as a reference layer for verifying parcel location.
3. VGIN VBMP aerials dated March 7, 2021.	3. Aerials used to verify parcel location.
Acreage Difference (Deed (51.629) minus GIS acres (50.659)):	
0.97 acres	

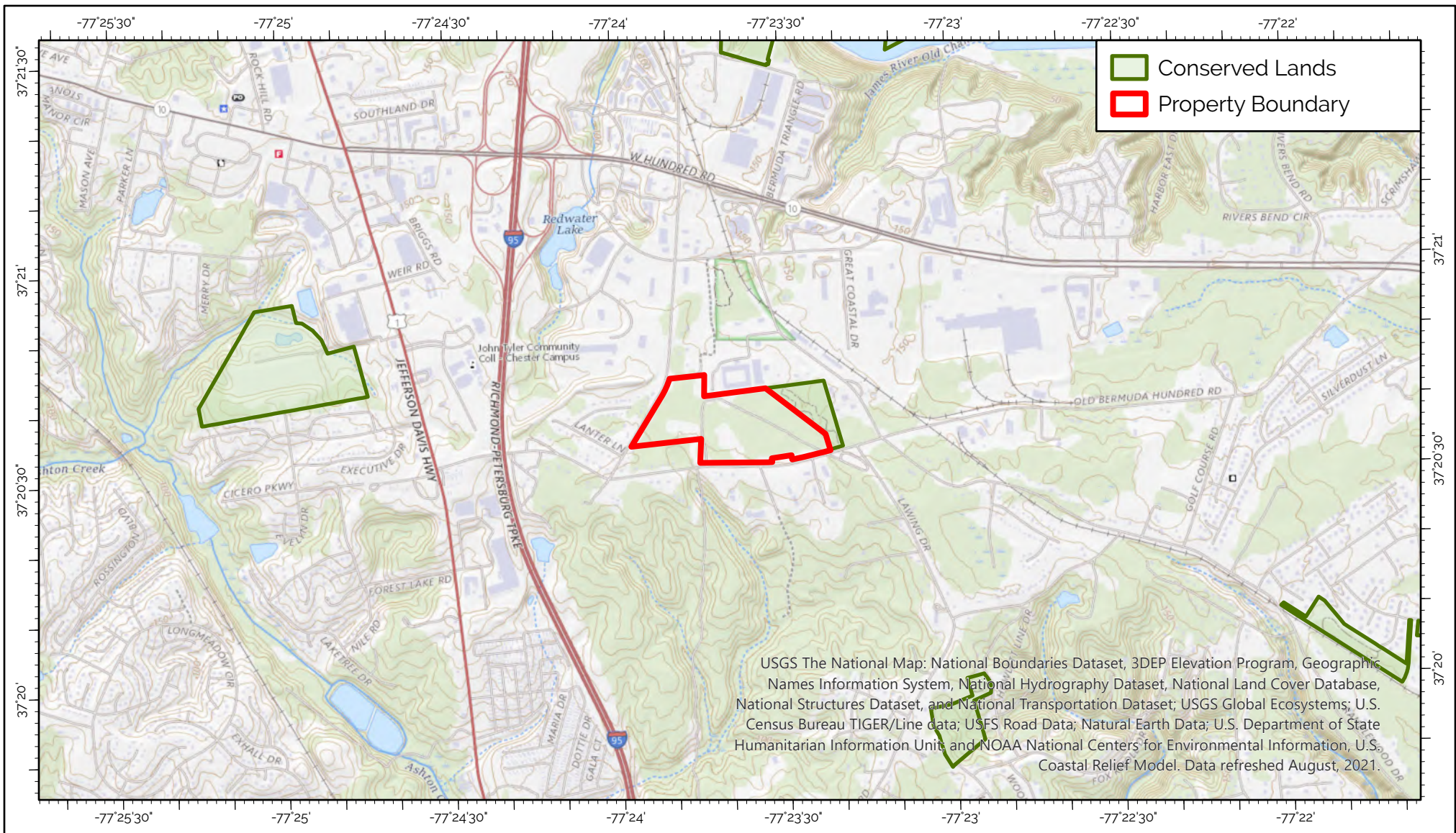
Notes for Stewardship:
<p>Entrance to the property is easiest from Old Bermuda Hundred Road. Parking is available on the eastern side at the neighboring Ware Bottom Church Battlefield Park and near the western side at the planned parking area. Temporary roads through the power line corridors were paved with wood and gravel and easily walkable on the date of the site visit. The rest of the property is wooded and, until planned trails are installed, will be easiest to access on foot during the winter.</p> <p>Data was collected using ArgGIS FieldMaps with SX Blue II+ and Platinum GNSS receivers, Samsung Galaxy Tab A tablets, and a Galaxy S9 phone.</p>

Site Visit Dates/Staff: 12/8/2021 – Sherri Tombarge and Will Poncy of SKTWorks LLC and Ashley Moulton of CRLC; 3/11/2022 – Sherri Tombarge and Alisande Tombarge of SKTWorks LLC; 5/14/2022 – Sherri Tombarge of SKTWorks LLC.
Extent of Site Visit:
The site visit team toured the entire property on foot.

Property Location: The property is located at 1800 Old Bermuda Hundred Road, Chester, VA 23836.		
Owner Mailing Address:	Phone/Fax/Email:	Additional Contact Info:
Chesterfield County Parks & Recreation P.O. Box 40 Chesterfield, VA 23832	Phone: 804-748-1623 Fax: 804-751-4131 parksrec@chesterfield.gov	

Qualifications of Preparer:
Established as a GIS and related services company in 2017, SKTWorks LLC is led by Alisande Tombarge, Geographic Services Director, who for 10 years prior performed GIS and other support work for conservation easements throughout Virginia. She holds a bachelor's degree in Geography with a

concentration in GIS from George Mason University, a graduate certificate in Digital Mapping from the University of Kentucky, and a Master of Urban and Regional Planning degree from Virginia Tech's School of Public and International Affairs. Partner Sherri Tombarge, Project Manager, holds a bachelor's degree from the University of Mary Washington and a master's degree from Virginia Tech. An accomplished copy writer and editor with experience as a photographer and photo editor, she has applied these skills to conservation work in recent years. Both hold Federal Aviation Administration Part 107 remote pilot certifications. In addition to its baseline documentation report service, SKTWorks LLC provides mapping, data collection, data visualization, and data collection survey design services.



Location Map

Ware Bottom Church Battlefield Park Expansion
51.629 acres in Chesterfield County

Site Visit Date: December 8, 2021

0 1,000 2,000 Feet

1:24,000



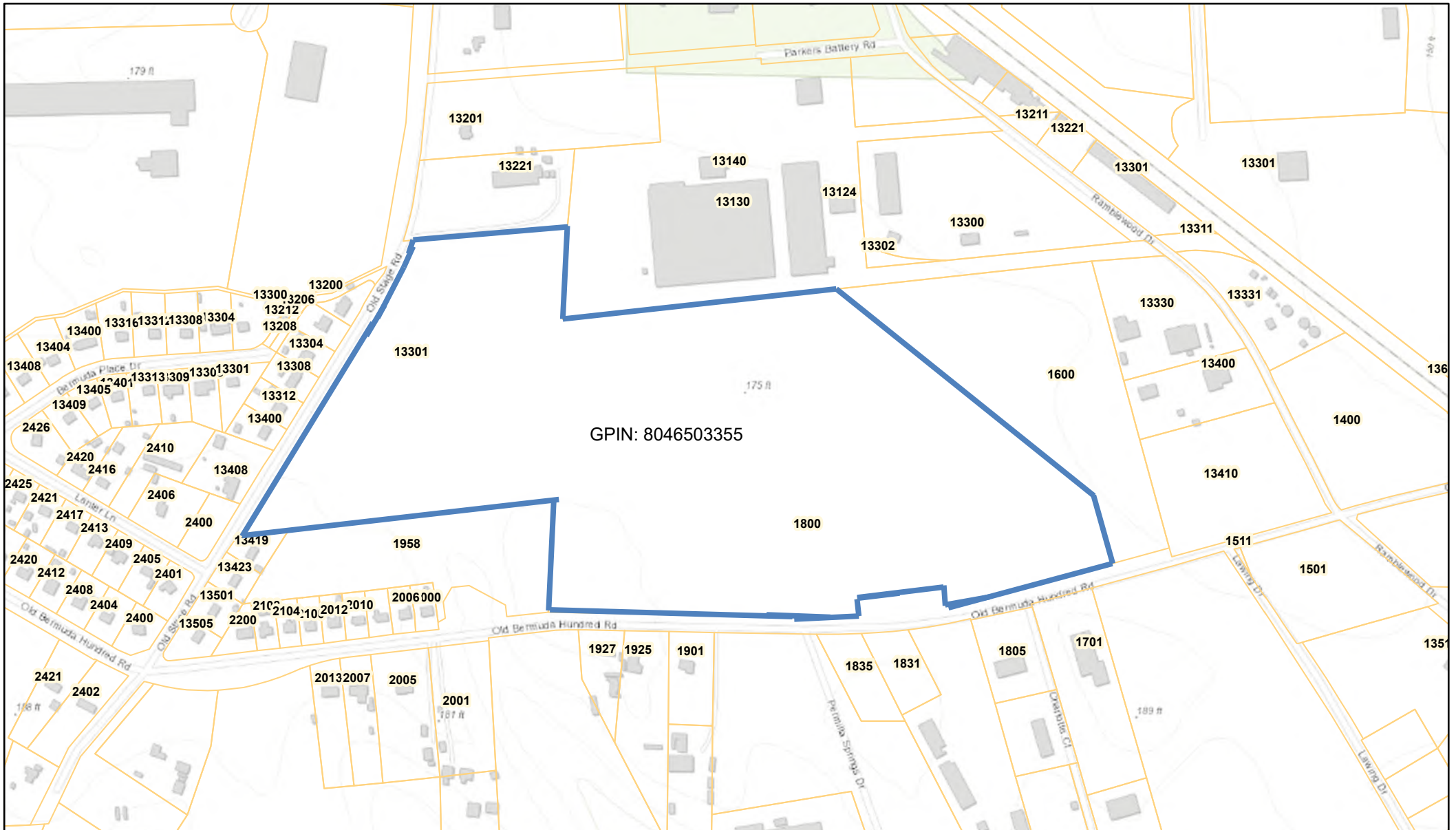
Map created 1/15/2022, by SKTWorks LLC. Source data provided by VGIN (parcel boundary), VA DCR - Natural Heritage (park), USGS quadrangle: Chester.

This map is for general reference and display purposes only.

Projection: Lambert Conformal Conic, GCS North America 1983
Datum: D North America 1983



Chesterfield County, Virginia Tax Map



1/5/2022, 4:04:22 PM

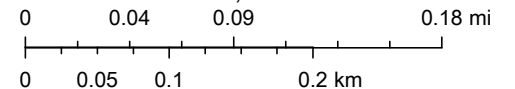
Override 1

 Parcels

Parcel GPIN Labels Municipal Boundary

Municipal Boundary

1:6,609



VITA, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, USDA

CURVE	RADIUS	ARC LENGTH	CHORD BEARING	DELTA ANGLE	CHORD LENGTH
C1	7643.23'	258.58'	N74°53'27"E	1°56'18"	258.56'
C2	2065.33'	96.74'	N77°12'13"E	2°41'01"	96.73'
C3	2065.33'	133.33'	N88°27'59"E	3°41'56"	133.31'
C4	1114.74'	253.15'	N24°44'12"E	13°00'42"	252.61'
C5	1129.74'	263.27'	N24°33'59"E	13°21'07"	262.67'
C6	1159.74'	283.45'	N24°14'26"E	14°00'13"	282.75'
C7	7688.23'	39.05'	N74°04'02"E	0°17'28"	39.05'
C8	7673.23'	38.24'	N74°03'52"E	0°17'08"	38.24'

CURVE	RADIUS	ARC LENGTH	CHORD BEARING	DELTA ANGLE	CHORD LENGTH
C9	895.15'	124.92'	S87°04'01"W	7°59'45"	124.82'
C10	2065.33'	133.33'	N88°27'59"E	3°41'56"	133.31'
C11	2481.00'	174.70'	N88°13'35"E	4°02'04"	174.66'
C12	2065.33'	96.74'	N77°12'13"E	2°41'01"	96.73'
C13	7643.23'	258.58'	N74°53'27"E	1°56'18"	258.56'
C14	7673.23'	38.24'	N74°03'52"E	0°17'08"	38.24'
C15	2481.00'	239.64'	N76°43'27"E	5°32'03"	239.54'

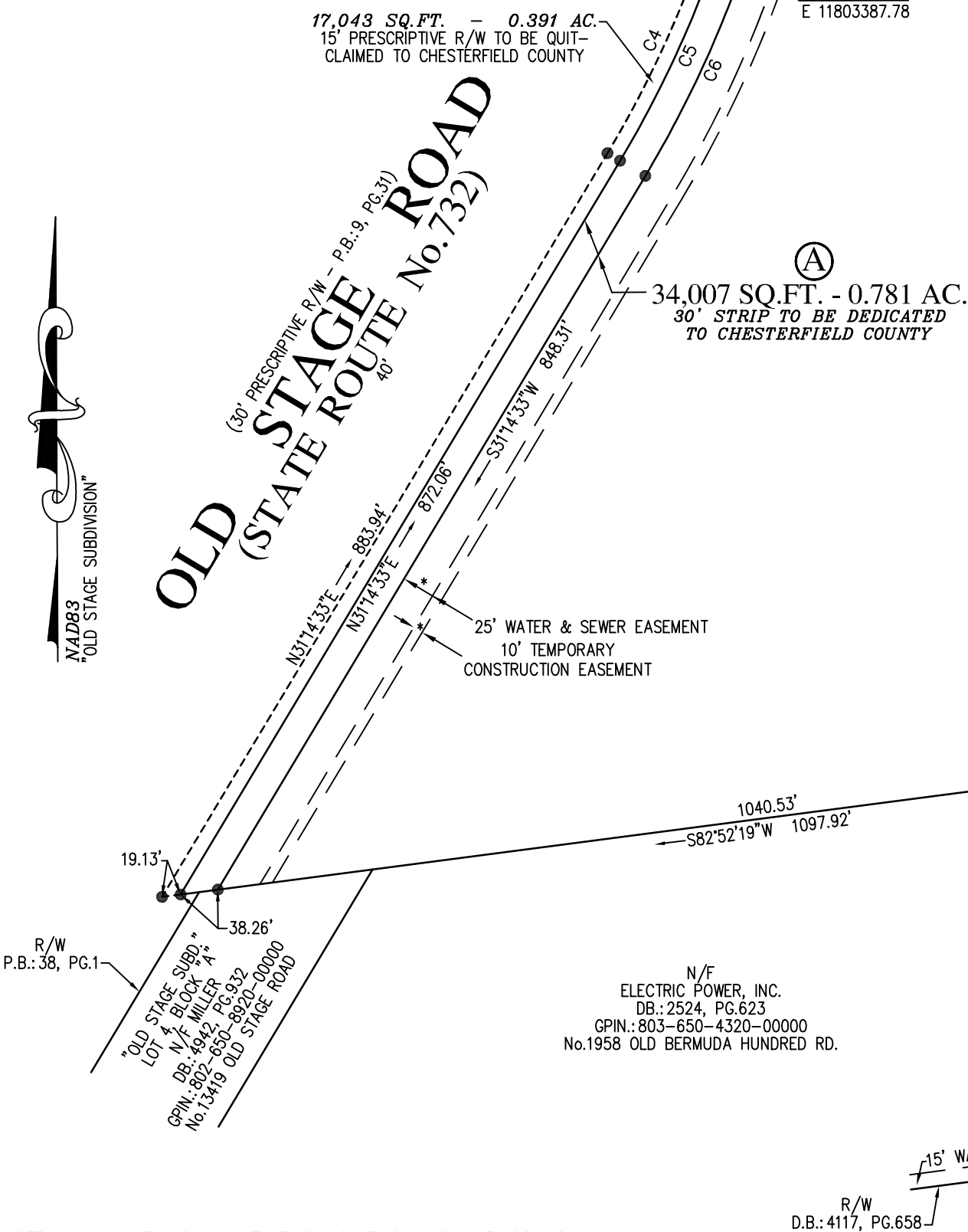
NOTES:

PROPOSED R/W TAKEN FROM PROJECT NO. 0618-020-R14,R201,C501 PLANS FURNISHED BY COUNTY OF CHESTERFIELD.

COORDINATES SHOWN ON ABOVE PLANS ARE NOT NAD83 AS SHOWN. COORDINATES SHOWN ON PLANS DO NOT MATCH COORDINATES ON GROUND.

AREA SHOWN ABOVE COMPUTED FROM PROPOSED R/W SCALED AND COMPILED WITH EXISTING PLAT BY HARVEY L. PARKS, INC.

THIS PROPERTY IS IN FEMA DEFINED FLOOD HAZARD AREA. ZONE: "X", AS SHOWN ON FIRM MAP #s: 51041C 0334D & 0335D; EFFECTIVE DATE: DECEMBER 18, 2012.



REVISED: 10-11-17, 12-19-17, 3-2-18, 3-20-18 & 3-28-18.

HARVEY L. PARKS, INC.

4508 W. HUNDRED ROAD
CHESTER, VA.
748-8641 748-0515

EMAIL: SURVEYS@HARVEYL.PARKS.COM FAX: 796-5742

DATE: NOVEMBER 20, 2015

DRAWN BY: N.S.M.

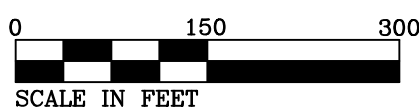
CHECKED BY: R.L.O. SCALE: 1"=150'

12855-57 Compiled Plat.dwg

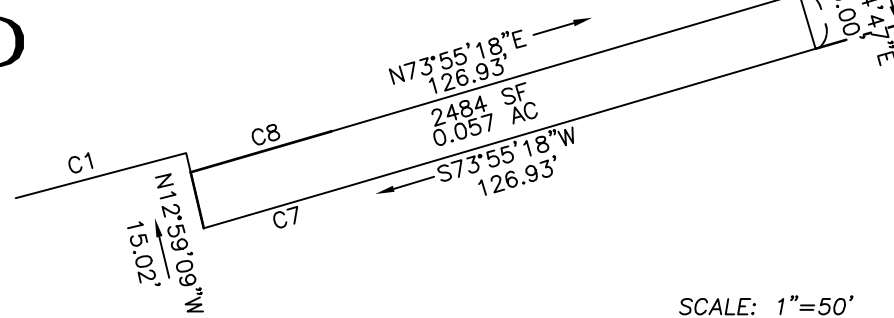
PLAT SHOWING COMPILED PARCEL OF LAND
AND PROPOSED EASEMENTS
A TOTAL OF 53.276 ACRES OF LAND SITUATED ON
THE NORTHERN LINE OF OLD BERMUDA HUNDRED
ROAD (S.R. #:618) AND ON THE SOUTHEASTERN
LINE OF OLD STAGE ROAD (S.R. #:732)
IN THE BERMUDA DISTRICT OF CHESTERFIELD COUNTY, VIRGINIA.

OLD BERMUDA HUNDRED ROAD
(STATE ROUTE No.618)

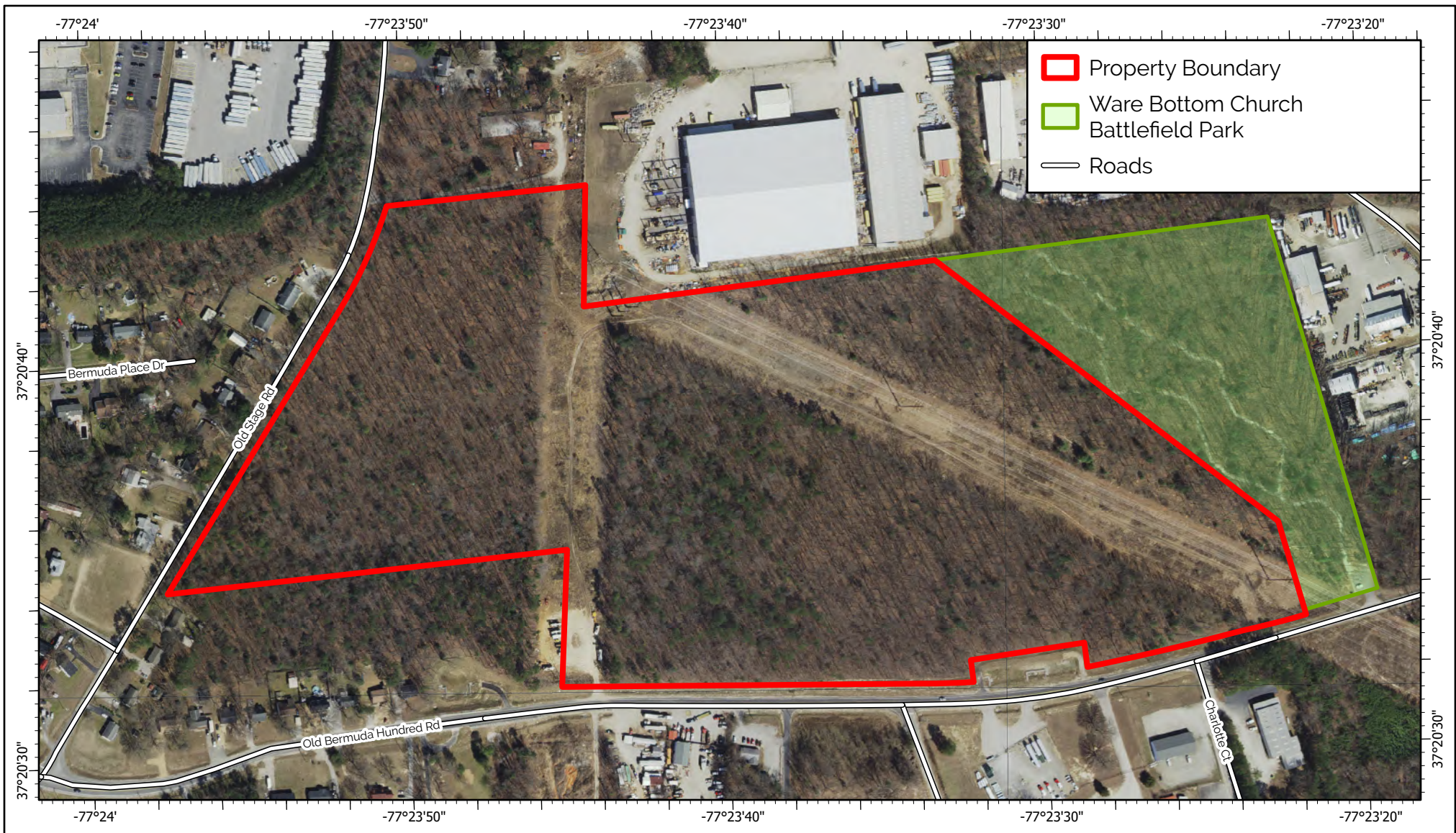
(30' PRESCRIPTIVE R/W)
D.B.:1693, PG.1369, D.B.:2126, PG.8, D.B.:2249, PG.42
D.B. 11814, PG. 901



SCALE IN FEET



SCALE: 1"=50'



Aerial Map

Ware Bottom Church Battlefield Park Expansion
51.629 acres in Chesterfield County

Site Visit Date: December 8, 2021

0 175 350 Feet

1:4,200

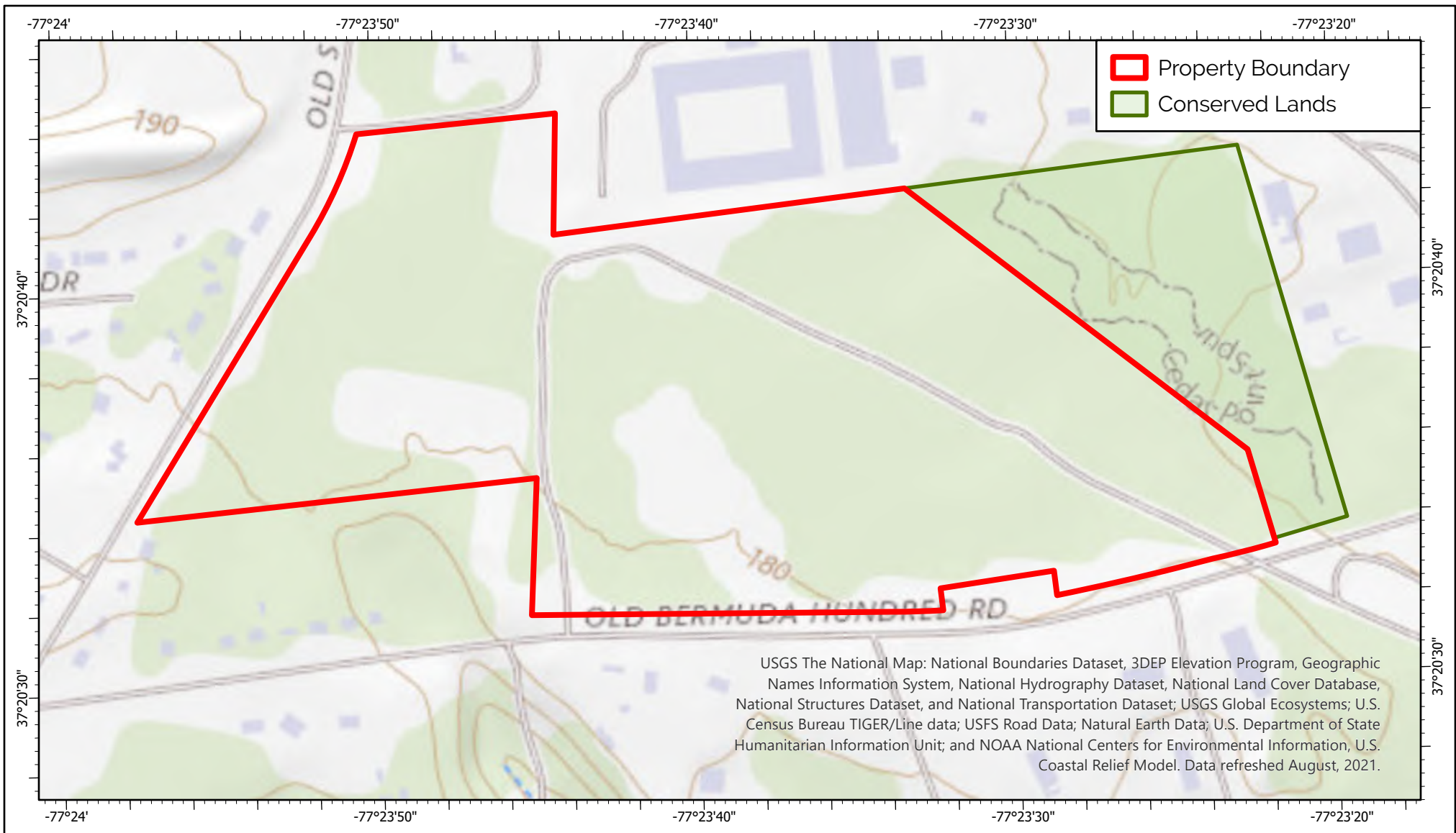


Map created 1/15/2022, by SKTWorks LLC. Source data provided by VGIN (roads, parcel boundary), VA DCR - Natural Heritage (park). Aerial imagery acquired on March 7, 2021 by VGIN VBMP, copyright Commonwealth of Virginia.

This map is for general reference and display purposes only.

Projection: Lambert Conformal Conic, GCS North America 1983
Datum: D North America 1983





Topographic Map

Ware Bottom Church Battlefield Park Expansion

51.629 acres in Chesterfield County

Site Visit Date: December 8, 2021

0 175 350 Feet

1:4,200

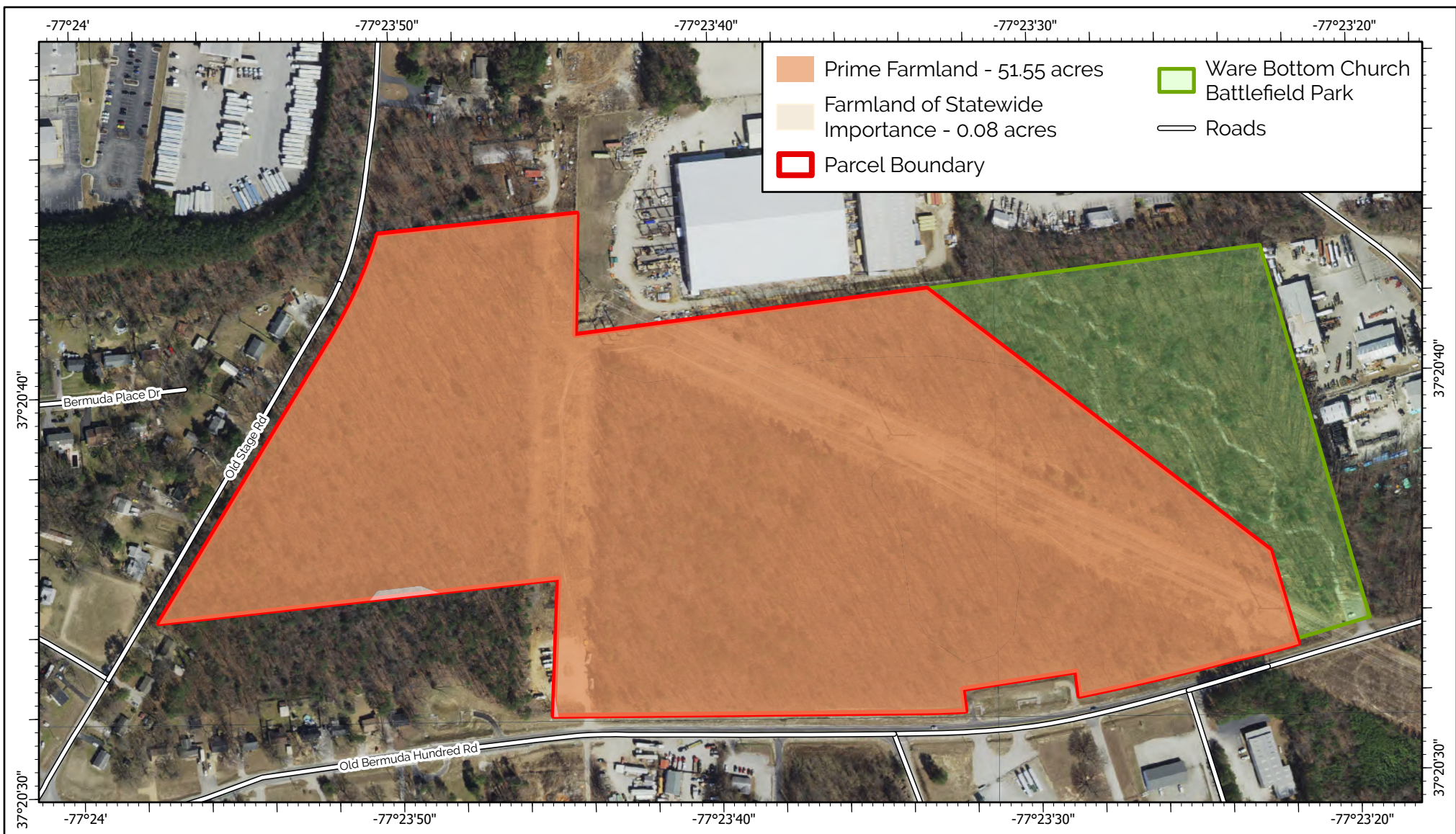


Map created 1/15/2022, by SKTWorks LLC. Source data provided by VGIN (parcel boundary), VA DCR - Natural Heritage (park), USGS quadrangle: Chester.

This map is for general reference and display purposes only.

Projection: Lambert Conformal Conic, GCS North America 1983
Datum: D North America 1983





Soils Map

Ware Bottom Church Battlefield Park Expansion
51.629 acres in Chesterfield County

Site Visit Date: December 8, 2021

0 175 350 Feet

1:4,200



Map created 1/15/2022, by SKTWorks LLC. Source data provided by VGIN (roads, property boundary), VA DCR - Natural Heritage (park), USDA NRCS Web Soil Survey (soils). Aerial imagery acquired on March 7, 2021 by VGIN VBMP, copyright Commonwealth of Virginia.

This map is for general reference and display purposes only.

Projection: Lambert Conformal Conic, GCS North America 1983
Datum: D North America 1983

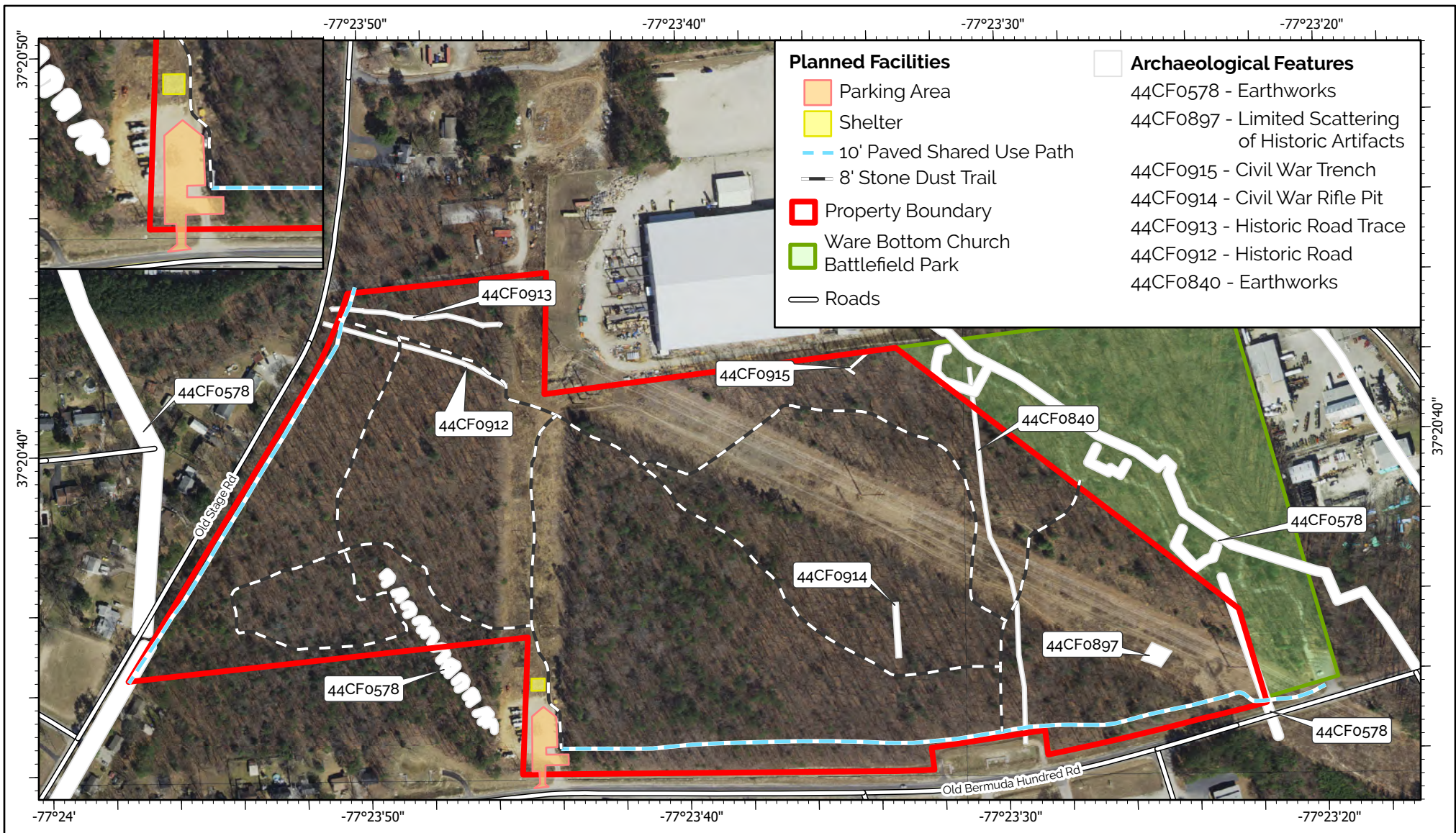


WARE BOTTOM CHURCH BATTLEFIELD PARK

Chesterfield County, VA

Conceptual Plan





Special Conditions Map

Ware Bottom Church Battlefield Park Expansion
51.629 acres in Chesterfield County

Site Visit Date: December 8, 2021

0 175 350 Feet

1:4,200

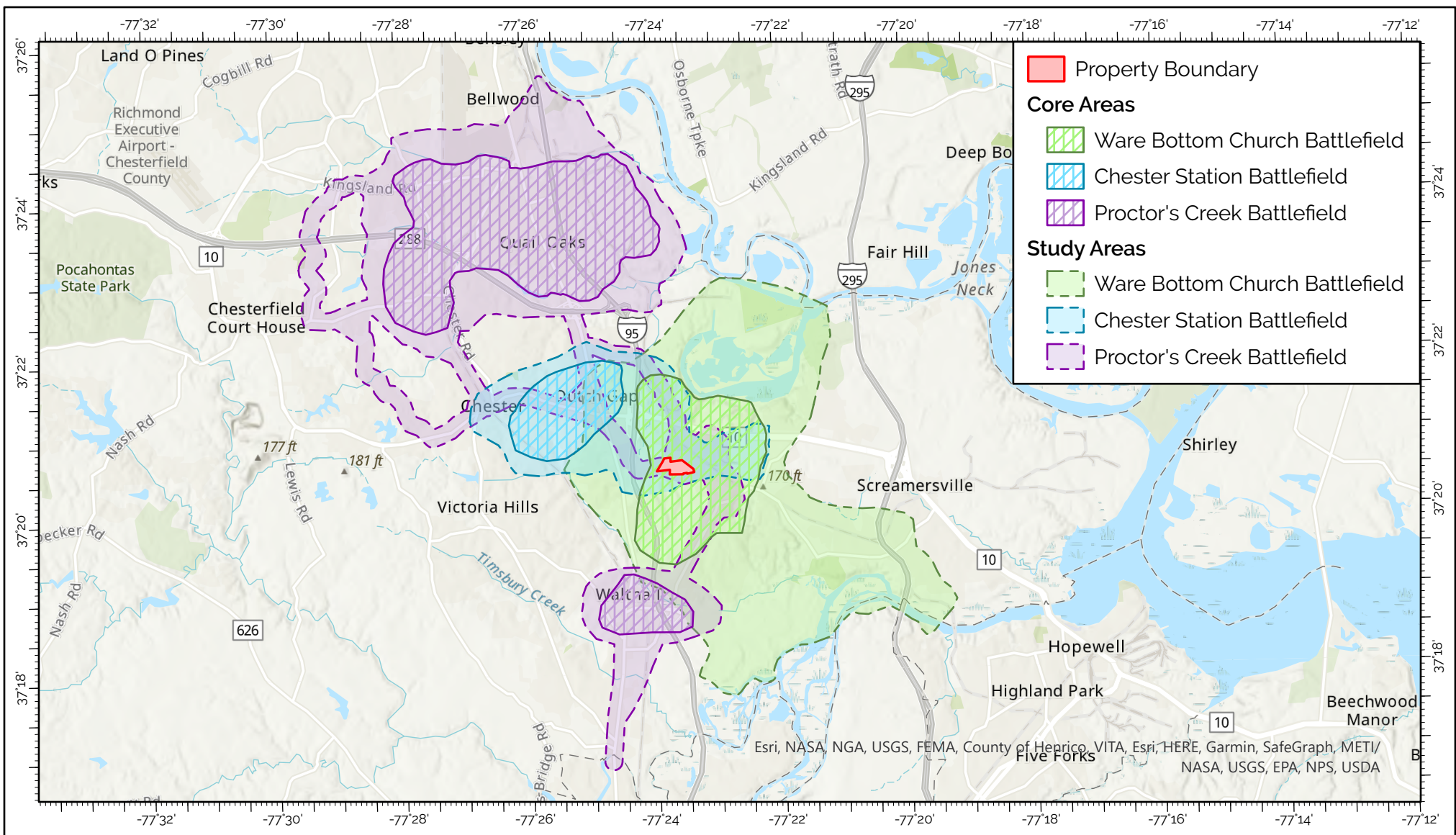


Map created 5/26/2022, by SKTWorks LLC. Source data provided by VGIN (roads, parcel boundary), VA DCR - Natural Heritage (park), SKTWorks LLC (building envelope, paths). Aerial imagery acquired on March 7, 2021 by VGIN VBMP, copyright Commonwealth of Virginia.

This map is for general reference and display purposes only.

Projection: Lambert Conformal Conic, GCS North America 1983
Datum: D North America 1983





Battlefield Core and Study Area Overview Map

Ware Bottom Church Battlefield Park Expansion

51.629 acres in Chesterfield County

Site Visit Date: December 8, 2021

0 0.75 1.5 Miles

1:127,260

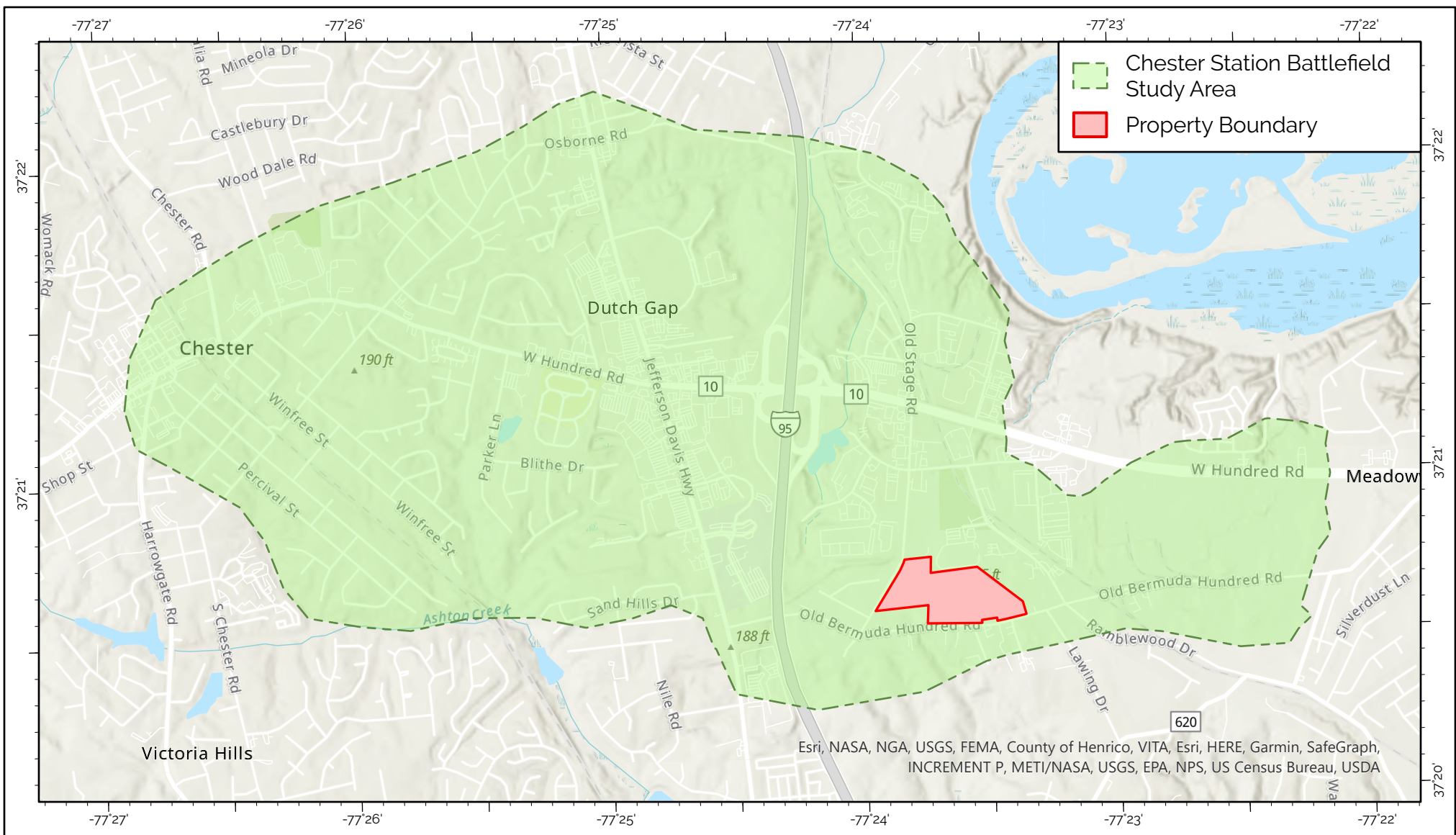


Map created 1/15/2022, by SKTWorks LLC. Source data provided by VGIN (parcel boundary), NPS ABPP and American Battlefield Trust (Civil War battlefield boundary and core area). Aerial imagery acquired on March 7, 2021 by VGIN VBMP, copyright Commonwealth of Virginia.

This map is for general reference and display purposes only.

Projection: Lambert Conformal Conic, GCS North America 1983
Datum: D North America 1983





Chester Station Battlefield Map

Ware Bottom Church Battlefield Park Expansion

51.629 acres in Chesterfield County

Site Visit Date: December 8, 2021

0 0.25 0.5 Miles

1:31,680

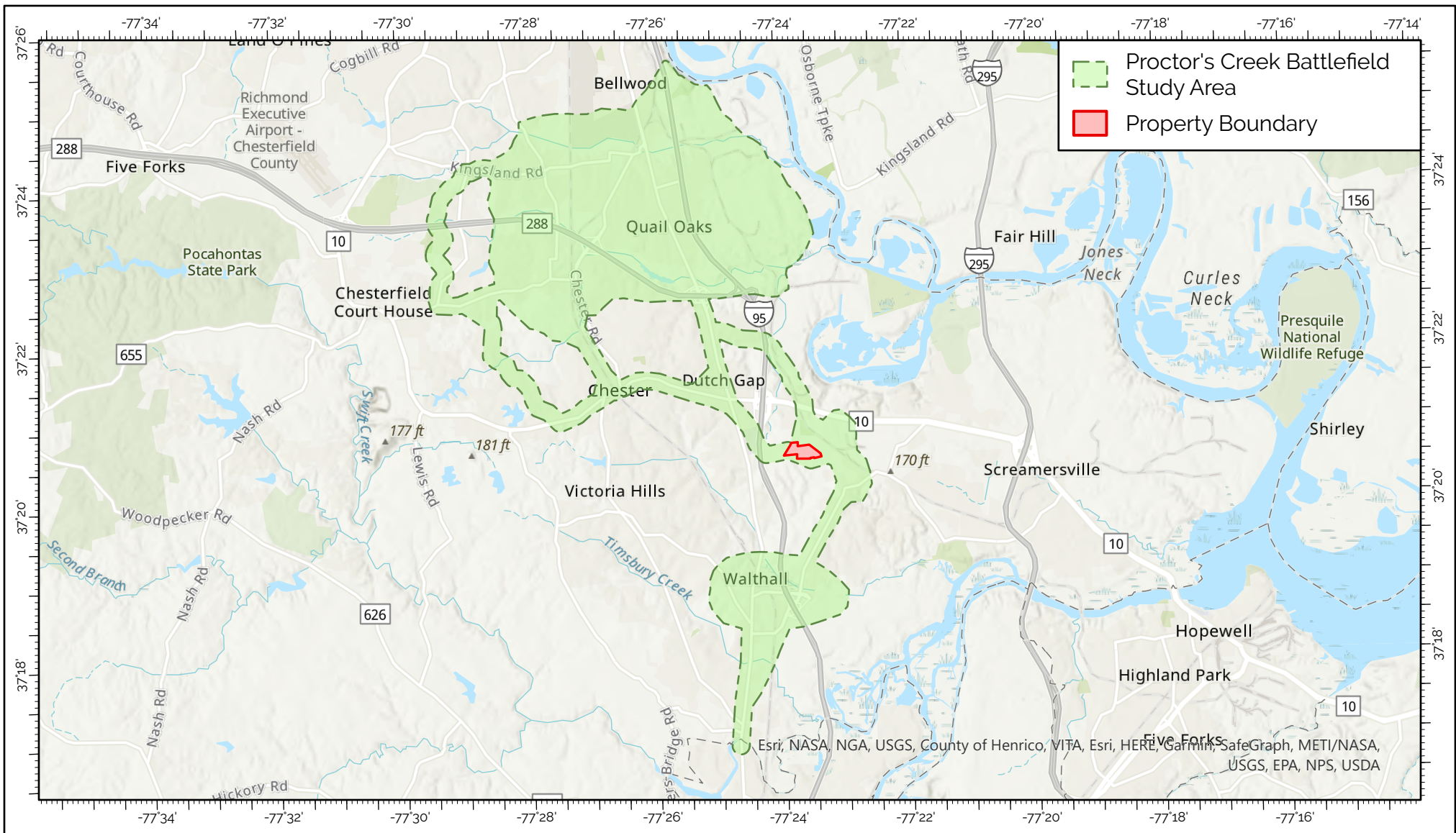


Map created 1/15/2022, by SKTWorks LLC. Source data provided by VGIN (parcel boundary), NPS ABPP and American Battlefield Trust (Civil War battlefield boundary and core area). Aerial imagery acquired on March 7, 2021 by VGIN VBMP, copyright Commonwealth of Virginia.

This map is for general reference and display purposes only.

Projection: Lambert Conformal Conic, GCS North America 1983
Datum: D North America 1983





Proctor's Creek Battlefield Map

Ware Bottom Church Battlefield Park Expansion

51.629 acres in Chesterfield County

Site Visit Date: December 8, 2021

0 1 2 Miles

1:127,260

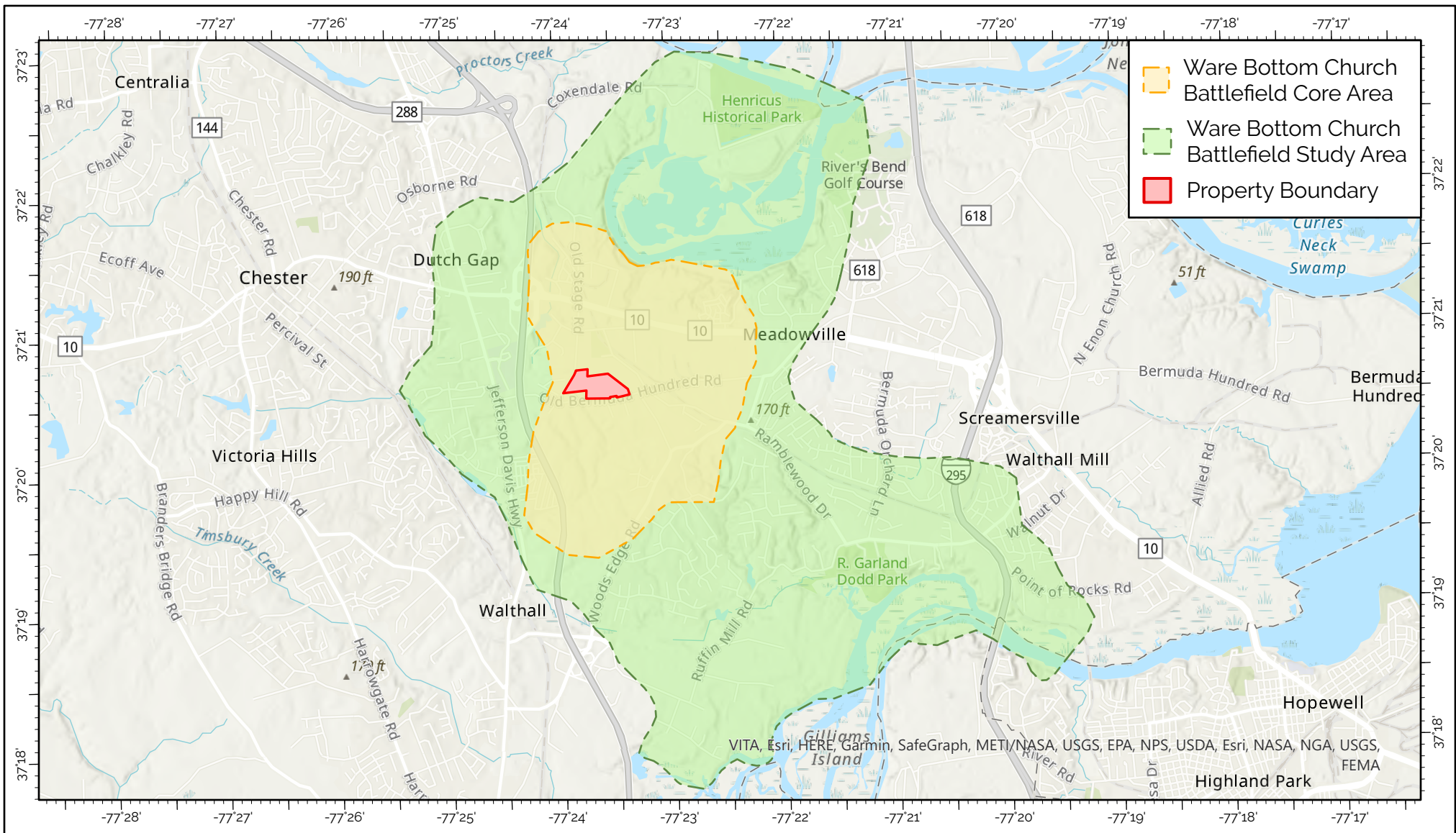


Map created 1/15/2022, by SKTWorks LLC. Source data provided by VGIN (parcel boundary), NPS ABPP and American Battlefield Trust (Civil War battlefield boundary and core area). Aerial imagery acquired on March 7, 2021 by VGIN VBMP, copyright Commonwealth of Virginia.

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Projection: Lambert Conformal Conic, GCS North America 1983
Datum: D North America 1983



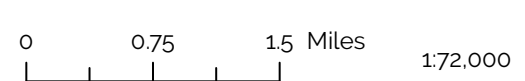


Ware Bottom Church Battlefield Map

Ware Bottom Church Battlefield Park Expansion

51.629 acres in Chesterfield County

Site Visit Date: December 8, 2021



Map created 1/15/2022, by SKTWorks LLC. Source data provided by VGIN (parcel boundary), NPS ABPP and American Battlefield Trust (Civil War battlefield boundary and core area). Aerial imagery acquired on March 7, 2021 by VGIN VBMP, copyright Commonwealth of Virginia.

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Projection: Lambert Conformal Conic, GCS North America 1983
Datum: D North America 1983



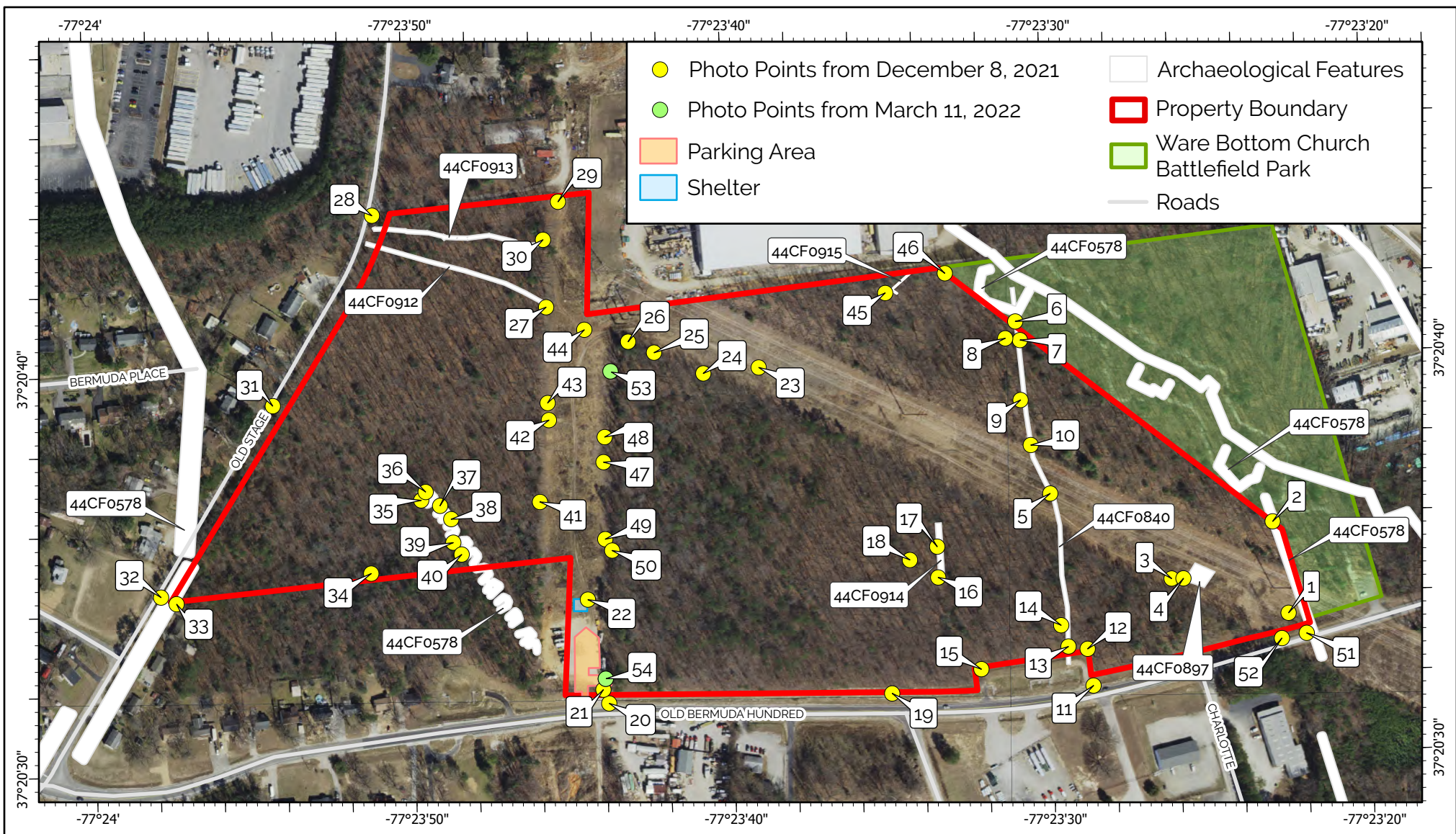


Photo Point Map 1

Ware Bottom Church Battlefield Park Expansion
51.629 acres in Chesterfield County

Site Visit Dates: December 8, 2021, March 11, 2022

0 175 350 Feet

1:4,200



Map created 6/1/2022, by SKTWorks LLC. Source data provided by VGIN (roads, parcel boundary), VA DCR - Natural Heritage (park), CRRLC (archaeological features), SKTWorks LLC (photo points). Points collected with SX Blue II+ and Platinum GNSS receivers. Aerial imagery acquired on March 7, 2021 by VGIN VBMP, copyright Commonwealth of Virginia.

This map is for general reference and display purposes only.

Projection: Lambert Conformal Conic, GCS North America 1983
Datum: D North America 1983



County of Chesterfield, Virginia
 Photo Point Table 1
 Ware Bottom Church Battlefield Park Expansion
 BDR site visit date: December 8, 2021
 Projection: Lambert Conformal Conic, GCS North America 1983
 GPS Unit: SXBlue II + & Platinum GNSS receiver

Point No.	Latitude	Longitude
1	37.34262405	-77.38959991
2	37.34326219	-77.38972069
3	37.34288064	-77.39061115
4	37.34287987	-77.39050802
5	37.34349079	-77.39165009
6	37.34469221	-77.3919212
7	37.3445616	-77.39188371
8	37.34457614	-77.39201162
9	37.34414515	-77.39189038
10	37.34383085	-77.39181026
11	37.34214921	-77.39131178
12	37.34240542	-77.39135566
13	37.34242473	-77.3915218
14	37.34257337	-77.39158117
15	37.34228087	-77.39228435
16	37.34292503	-77.39264201
17	37.34313924	-77.39264462
18	37.34305075	-77.39288477
19	37.34212582	-77.39306547
20	37.34210133	-77.39552978
21	37.34219786	-77.39557775
22	37.34282638	-77.39569481
23	37.34441261	-77.39416298
24	37.34438025	-77.39464597
25	37.34453254	-77.39507108
26	37.3446124	-77.39529425
27	37.34486493	-77.39600067
28	37.34552891	-77.39749913
29	37.3455962	-77.39587686
30	37.34533408	-77.39601501
31	37.34422079	-77.39839904

32	37.3429076	-77.39940898
33	37.34285939	-77.39927528
34	37.34304126	-77.39757535
35	37.34354222	-77.39712595
36	37.34359981	-77.39708566
37	37.34350133	-77.39696264
38	37.3434072	-77.39686827
39	37.34324363	-77.39685472
40	37.34316008	-77.39678451
41	37.34351241	-77.39609263
42	37.34407998	-77.39599895
43	37.34419906	-77.39600624
44	37.34470238	-77.39567328
45	37.34491031	-77.39304697
46	37.34503814	-77.39252446
47	37.3437793	-77.39553199
48	37.34395328	-77.39551675
49	37.34324368	-77.39553208
50	37.34316366	-77.39547399
51	37.34248186	-77.38944591
52	37.34244907	-77.38966262

County of Chesterfield (Ware Bottom Church Battlefield Park Expansion) ~ Chesterfield, Virginia

Baseline Documentation Photographs, Part 1*

Taken by Sherri Tombarge and Will Poncy of SKTWorks LLC, on December 8, 2021,
and by Sherri Tombarge on March 11, 2022



*Number of photographs is as taken in the field and may represent merged panoramic images; some photographs have been omitted because of poor quality or duplicate images.



Photo Point #1 Silt fence in power line corridor; view toward Civil War earthworks identified as VCRIS 44CF0578 and eastern boundary of easement (in tree line).

Azimuth 2°.

20211208_WareBottom_001





Photo Point #2 View south along eastern boundary. Civil War earthworks identified as VCRIS 44CF0578 follow boundary on left side of photo but were not visible on the ground.

Azimuth 182°.

20211208_WareBottom_002





Photo Point #3 Board road used by power company vehicles, tires, and power lines.

Azimuth 332°.

20211208_WareBottom_003





Photo Point #4 View toward historic site identified as VCRIS 44CF0897 within power line corridor.

Azimuth 94°.

20211208_WareBottom_004





Photo Point #5 View northeast along Civil War earthworks identified as VCRIS 44CF0840 transecting power line corridor.

Azimuth 330-36°.

20211208_WareBottom_005-007_pano





Photo Point #6 View of Civil War earthworks identified as VCRIS 44CF0840 (slight gully at center running from foreground to background) seen from easement boundary, looking south.

Azimuth 180°.

20211208_WareBottom_008

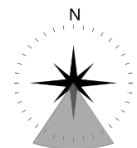




Photo Point #7 Circular indentation in earth adjacent to Civil War earthworks identified as VCRIS 44CF0840, visible just beyond log crossing bottom right corner of frame.

Azimuth 320°.

20211208_WareBottom_009

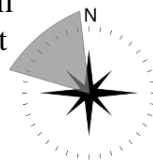


Photo Point #8 Circular indentation in earth adjacent to Civil War earthworks identified as VCRIS 44CF0840, seen from opposite side from Point 7; indentation is at center in front of log crossing top third of frame.

Azimuth 120°.

20211208_WareBottom_0010

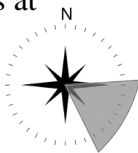




Photo Point #9 Civil War earthworks identified as VCRIS 44CF0840, looking toward power line corridor, visible just beyond tree in foreground.

Azimuth 174°.

20211208_WareBottom_011

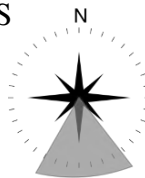


Photo Point #10 Civil War earthworks identified as VCRIS 44CF0840, visible along right side of frame.

Azimuth 12°.

20211208_WareBottom_012





Photo Point #11 Frontage on Old Bermuda Hundred Road.

Azimuth 80°.

20211208_WareBottom_013

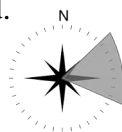


Photo Point #12 View into easement from corner near Old Bermuda Hundred Road.

Azimuth 72°.

20211208_WareBottom_014

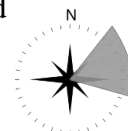




Photo Point #12 Another view into easement from corner
near Old Bermuda Hundred Road.

Azimuth 290°.

20211208_WareBottom_015

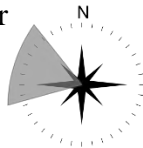


Photo Point #13 Civil War earthworks identified as VCRIS
44CF0840 along drainage area and culvert, looking toward Old
Bermuda Hundred Road.

Azimuth 186°.

20211208_WareBottom_016





Photo Point #14 Civil War earthworks identified as VCRIS
44CF0840, running from right foreground toward left
background.

Azimuth 42°.

20211208_WareBottom_017

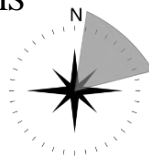


Photo Point #15 View into easement from another corner near
Old Bermuda Hundred Road.

Azimuth 300°.

20211208_WareBottom_018





Photo Point #15 View into easement from another corner
near Old Bermuda Hundred Road.

Azimuth 40°.

20211208_WareBottom_019



Photo Point #16 Cluster of Civil War rifle pits
identified as VCRIS 44CF0914.

Azimuth 14°.

20211208_WareBottom_020

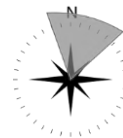




Photo Point #16 Cluster of Civil War rifle pits identified as VCRIS 44CF0914, visible on ground, looking northeast.

Azimuth 32°.

20211208_WareBottom_021



Photo Point #17 Cluster of Civil War rifle pits identified as VCRIS 44CF0914, looking south.

Azimuth 180°.

20211208_WareBottom_022

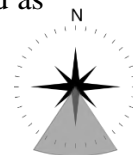




Photo Point #18 View into wooded area, looking south.

Azimuth 186°.

20211208_WareBottom_023



Photo Point #18 Another view into wooded area, looking west.

Azimuth 266°.

20211208_WareBottom_024

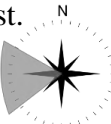




Photo Point #18 View into wooded area, looking northwest, toward power line corridor.

Azimuth 336°.

20211208_WareBottom_025



Photo Point #18 Another view into wooded area, looking east, also toward power line corridor.

Azimuth 90°.

20211208_WareBottom_026





Photo Point #19 View east of frontage
on Old Bermuda Hundred Road.

Azimuth 106°.

20211208_WareBottom_027

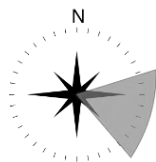


Photo Point #19 View west of frontage
on Old Bermuda Hundred Road.

Azimuth 280°.

20211208_WareBottom_028

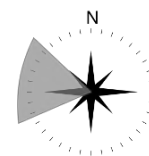




Photo Point #20 Frontage on Old Bermuda Hundred Road, seen from site of planned parking area.

Azimuth 80°.

20211208_WareBottom_029

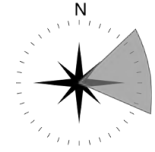


Photo Point #21 Site of planned parking area and power lines.

Azimuth 286-350°.

20211208_WareBottom_030-033_pano

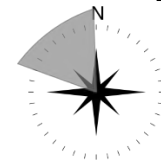




Photo Point #22 Site of planned parking area; Old Bermuda Hundred Road beyond parked vehicles at left; gravel road visible in left bottom corner.

Azimuth 228°.

20211208_WareBottom_034



Photo Point #22 Gravel road near planned parking area; Old Bermuda Hundred Road at end of gravel road at right.

Azimuth 144°.

20211208_WareBottom_035





Photo Point #23 Some of numerous tires found in the northwestern part of power line corridor.

Azimuth 188°.

20211208_WareBottom_036

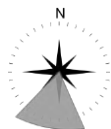


Photo Point #24 Many tires along edge of power line corridor.

Azimuth 90°.

20211208_WareBottom_037

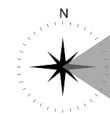




Photo Point #24 More tires along edge of power line corridor;
power lines visible in top right corner of frame.

Azimuth 260°.

20211208_WareBottom_038



Photo Point #25 More tires, in wooded area
west of power line corridor.

Azimuth 300°.

20211208_WareBottom_039





Photo Point #26 More tires along edge of power line corridor.
Azimuth 290°.

20211208_WareBottom_040



Photo Point #27 Path through wooded area
marking 19th-century historic road trace
identified as VCRIS 44CF0912.

Azimuth 310°.

20211208_WareBottom_041



Photo Point #28 Frontage on Old Stage Road;
historic road traces identified as VCRIS 44CF0912
and VCRIS 44CF0913 meet Old Stage Road at left
but were not visible on the ground.

Azimuth 210°.

20211208_WareBottom_042



Photo Point #29 View from near northeast
corner of western side of easement.

Azimuth 204-300°.

20211208_WareBottom_043-047_pano

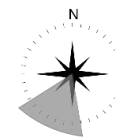




Photo Point #30 Historic road trace identified as VCRIS 44CF0913 through wooded area, possibly marked by pink ties on trees at center.

Azimuth 260°.

20211208_WareBottom_048



Photo Point #31 Frontage on Old Stage Road.

Azimuth 20°.

20211208_WareBottom_049





Photo Point #31 View into easement from Old Stage Road.

Azimuth 94°.

20211208_WareBottom_050

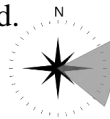


Photo Point #31 Frontage on Old Stage Road.

Azimuth 210°.

20211208_WareBottom_051

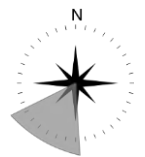




Photo Point #32 Frontage on Old Stage Road from
southwestern corner of easement.

Azimuth 30°.

20211208_WareBottom_052



Photo Point #33 View into easement from
southwest corner showing another portion of Civil
War earthworks identified as VCRIS 44CF0578.

Azimuth 74°.

20211208_WareBottom_053





Photo Point #34 More tires, these located near southern boundary of western part of easement.

Azimuth 66°.

20211208_WareBottom_054

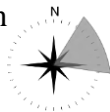


Photo Point #35 View of location of more Civil War earthworks identified as VCRIS 44CF0578.

Azimuth 48°.

20211208_WareBottom_055





Photo Point #36 Civil War earthworks identified as VCRIS 44CF0578; indentation in foreground and mound just beyond it (in front of large tree at center) may be part of earthworks.

Azimuth 166°.

20211208_WareBottom_056



Photo Point #37 Another view of Civil War earthworks identified as VCRIS 44CF0578.

Azimuth 190°.

20211208_WareBottom_057





Photo Point #38 Civil War earthworks identified as VCRIS 44CF0578; shade under tree is depressed ground.

Azimuth 196°.

20211208_WareBottom_058



Photo Point #39 Another view of Civil War earthworks identified as VCRIS 44CF0578.

Azimuth 50°.

20211208_WareBottom_059





Photo Point #40 View of Civil War earthworks identified as VCRIS 44CF0578 from southern easement boundary.

Azimuth 156°.

20211208_WareBottom_060



Photo Point #41 More tires near power line corridor.

Azimuth 280°.

20211208_WareBottom_061

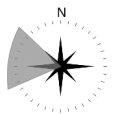


Photo Point #42 More tires near power
line corridor.
Azimuth 260°.
20211208_WareBottom_062



Photo Point #43 Wooded area west of
power line corridor.
Azimuth 230-342°.
20211208_WareBottom_063-067_pano



Photo Point #44 Dirt road through
power line corridor and piles of
construction materials.

Azimuth 108-214°.

20211208_WareBottom_068-072_pano

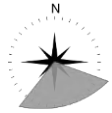


Photo Point #45 View toward northeast boundary of
easement with Civil War earthworks identified as
VCRIS 44CF0915 visible as depression in
foreground; structures not in easement.

Azimuth 30°.

20211208_WareBottom_073





Photo Point #46 View into easement from
northeast corner.

Azimuth 250°.

20211208_WareBottom_074



Photo Point #47 More tires, these located near edge
of power line corridor.

Azimuth 172°.

20211208_WareBottom_075





Photo Point #48 More tires, these also located near edge of power line corridor.

Azimuth 68°.

20211208_WareBottom_076

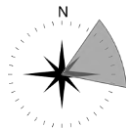


Photo Point #49 More tires and other debris, also located near edge of power line corridor.

Azimuth 358°.

20211208_WareBottom_077





Photo Point #50 Wooded area seen from edge of power line corridor.
Azimuth 54-170°.
20211208_WareBottom_078-082_pano






Photo Point #51 Frontage on Old Bermuda Road
seen from southeast corner of easement.
Azimuth 264°. 
20211208_WareBottom_
083




Photo Point #51 View into easement from southeast
corner, showing power line corridor.
Azimuth 332°. 
20211208_WareBottom_084



Photo Point #52 Power line corridor and wood-paved access road.
Azimuth 342°.

20211208_WareBottom_085

Ware Bottom ~ Chesterfield, Virginia; Photos taken on December 8, 2021, by Sherri Tombarge and Will Poncy

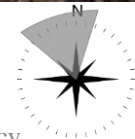




Photo Point #53 Tire and carpeting in foreground, with at least four more tires and other debris in background.

Azimuth 40°.

20220311_WareBottom_086

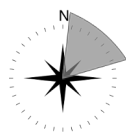


Photo Point #54 Pile of at least five tires.

Azimuth 142°.

20220311_WareBottom_087



County of Chesterfield, Virginia
 Photo Point Table 2
 Ware Bottom Church Battlefield Park Expansion
 BDR follow-up site visit date: May 14, 2022
 Projection: Lambert Conformal Conic, GCS North America 1983
 GPS Unit: SXBlue II + GNSS receiver

Point No.	Latitude	Longitude
1	37.34303612	-77.39766419
2	37.34306063	-77.39750917
3	37.34352748	-77.39609335
4	37.34326596	-77.39549471
5	37.34377409	-77.39554462
6	37.34395754	-77.39555159
7	37.34408606	-77.39600409
8	37.34439989	-77.39546864
9	37.34460643	-77.39527892
10	37.3445763	-77.39514834
11	37.34439698	-77.39464438
12	37.34438639	-77.39421844
13	37.34290116	-77.39061563
14	37.34232543	-77.39560372

County of Chesterfield (Ware Bottom Church Battlefield Park Expansion) ~ Chesterfield, Virginia

Baseline Documentation Photographs, Part 2*
Taken by Sherri Tombarge of SKTWorks LLC, on May 14, 2022



*Number of photographs is as taken in the field and may represent merged panoramic images; some photographs have been omitted because of poor quality or duplicate images.



Photo Point #1 Two of seven tires remaining in the vicinity of Part 1, Photo Point 34.

Azimuth 76°.

20220514_WareBottom_001



Photo Point #2 Four other of the seven tires remaining in the vicinity of Part 1, Photo Point 34.

Azimuth 40°.

20220514_WareBottom_002





Photo Point #3 Three tires or innertubes remaining
in the vicinity of Part 1, Photo Point 41.

Azimuth 284°.

20220514_WareBottom_003



Photo Point #4 Debris but no tires remaining in the
vicinity of Part 1, Photo Point 49.

Azimuth 30°.

20220514_WareBottom_004





Photo Point #5 Debris but no tires remaining in the vicinity of Part 1, Photo Point 47.

Azimuth 100°.

20220514_WareBottom_005



Photo Point #6 Debris but no tires remaining in the vicinity of Part 1, Photo Point 48.

Azimuth 76°.

20220514_WareBottom_006

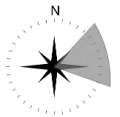




Photo Point #7 Debris but no tires remaining in the vicinity of Part 1, Photo Point 42.

Azimuth 322°.

20220514_WareBottom_007



Photo Point #8 Debris but no tires remaining in the vicinity of Part 1, Photo Point 53.

Azimuth 40°.

20220514_WareBottom_008





Photo Point #9 Debris, including at least one innertube, but no tires remaining in the vicinity of Part 1, Photo Point 26.

Azimuth 290°.

20220514_WareBottom_009

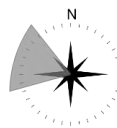


Photo Point #10 An innertube but no tires remaining in the vicinity of Part 1, Photo Point 25.

Azimuth 180°.

20220514_WareBottom_010





Photo Point #11 Debris but no tires remaining in the vicinity of Part 1, Photo Point 24.

Azimuth 260°.

20220514_WareBottom_011

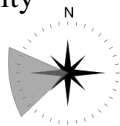


Photo Point #11 Another view showing no tires remaining in the area near Part 1, Photo Point 24.

Azimuth 90°.

20220514_WareBottom_012

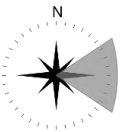




Photo Point #12 One dilapidated tire and several other pieces of tire remaining in the vicinity of Part 1, Photo Point 23.

Azimuth 220°.

20220514_WareBottom_013



Photo Point #13 A single tire remaining in the area near Part 1, Photo Point 3.

Azimuth 320°.

20220514_WareBottom_014





Photo Point #14 No tires remaining in the vicinity of Part 1,
Photo Point 54.
Azimuth 142°.
20220514_WareBottom_015

