

The Historic Saratoga-Washington on the Hudson Partnership



/Surrender of General Burgoyne/, by John Trumbull, 18221

Source: Architect of the Capital

Site Development and Cultural Landscape Treatment Plan

Planning for Battles of Saratoga: Sword Surrender Site

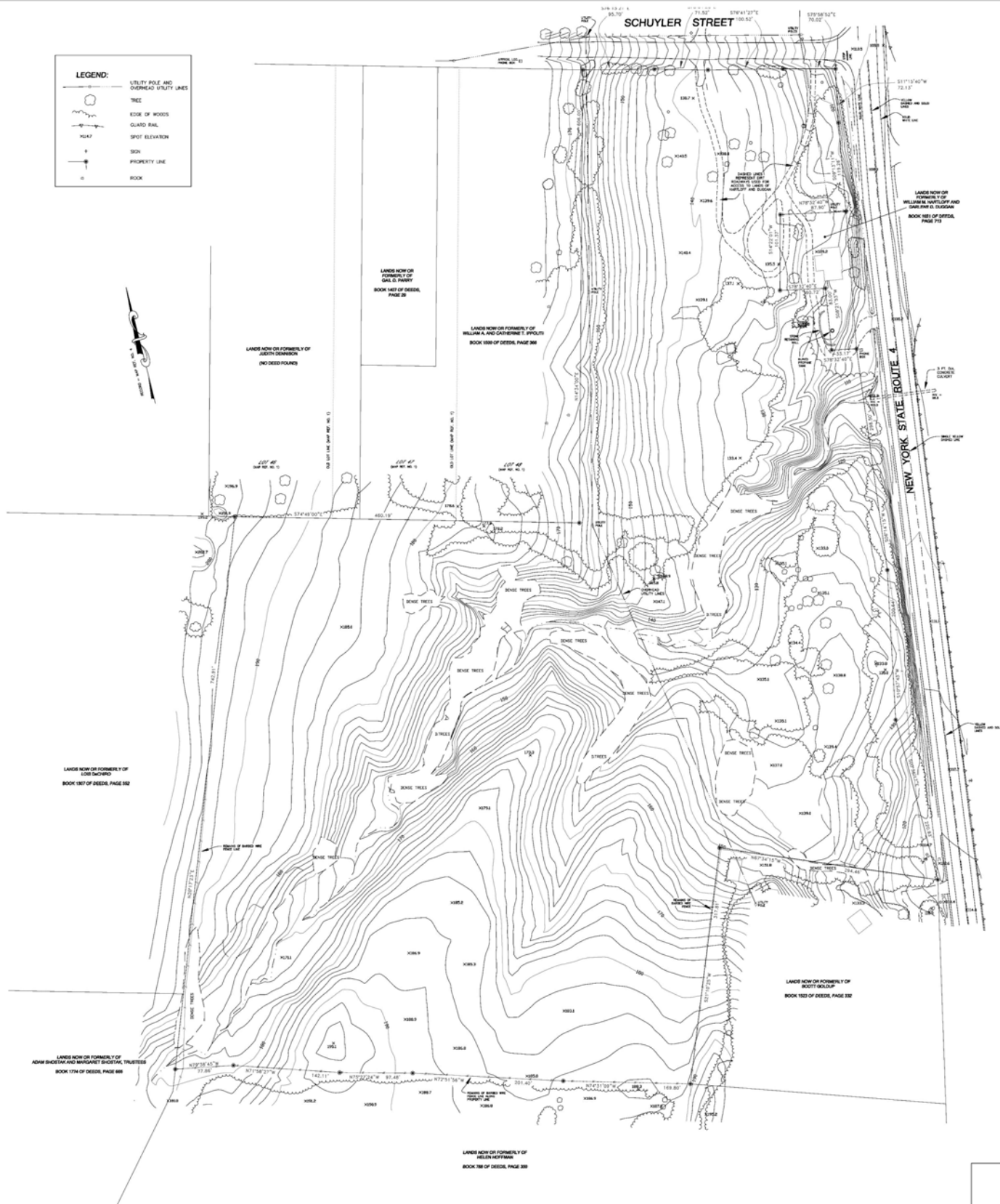
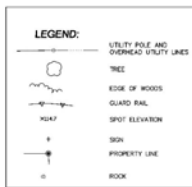
Town of Saratoga, Saratoga County, New York
Grant # GA-2255-10-013

American Battlefield Protection Program
National Park Service
1201 Eye Street NW (2255)
Washington, DC 20005

FINAL APPENDICES – June 27, 2012

This material is based upon work assisted by a grant from the Department of the Interior, National Park Service. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the Department of the Interior.

Appendix A: Site Survey



DANIEL C. WHEELER
P.L.S. LIC. NO. 50,137

NOTES:

- 1) THIS SURVEY WAS DONE WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE OR A TITLE REPORT.
- 2) THE SURVEYED PARCEL IS CURRENTLY LANDS OF OPEN SPACE CONSERVANCY, INC. (SEE DEED REFERENCE NO. 1).
- 3) THE TAX MAP PARCEL NO. FOR THE SURVEYED PARCEL IS 170.00-1-4.1.
- 4) THE AREA OF THE SURVEYED PARCEL IS 18.8946 ACRES.
- 5) BOUNDARY INFORMATION PER DEED REFERENCE NO. 1 AND MAP REFERENCE NO. 4.

DEED REFERENCE:

- 1) DEED DATED NOVEMBER 8, 2006 FROM RAYMOND B. GERMAN, STANLEY G. GERMAN AND MARY ANNE GERMAN TO OPEN SPACE CONSERVANCY, INC. AND RECORDED IN THE SARATOGA COUNTY CLERK'S OFFICE AS DEED NO. 259818798.

MAP REFERENCES:

- 1) MAP ENTITLED "MAP OF THE THOMAS SMITH FARM", DATED AUGUST 10, 1928, TRACED BY S.J. MOTT AND FILED IN THE SARATOGA COUNTY CLERK'S OFFICE AS MAP NO. "GG-57". A SIMILAR MAP IS ALSO FILED AS MAP NO. "GG-58".
- 2) HIGHWAY APPROPRIATION MAP FOR REMES HEIGHTS - SCHUYLERVILLE STATE HIGHWAY, BEING MAP NO. 25, PARCELS NOS. 82 AND 84 AND FILED WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION.
- 3) MAP ENTITLED "SURVEY OF A PORTION OF LANDS OF THE COUNTY OF SARATOGA PREPARED FOR WILLIAM A. SPOLITY", DATED AUGUST 24, 1998 AND MADE BY NORTHEAST LAND SURVEY & LAND DEVELOPMENT CONSULTANTS, P.C.
- 4) MAP ENTITLED "BOUNDARY SURVEY OF THE LANDS OF RAYMOND B. STANLEY G. & MARY ANNE GERMAN", DATED MAY 30, 2006, LAST REVISED ON DECEMBER 1, 2006 AND MADE BY CHADEN ENGINEERING & LAND SURVEYING CO., P.C.

SURVEY
ASSOCIATES, LLC
PROFESSIONAL LAND SURVEYING

DANIEL C. WHEELER, L.S.

432 BROADWAY, SUITE 5, SARATOGA SPRINGS, NY 12866
PH. (518) 583-7302 FAX (518) 583-7303

UNAUTHORIZED ALTERATION OR ADDITION TO THIS MAP IS A VIOLATION OF ARTICLE 145, SECTION 7206, SUB-PARAGRAPHS (2) OF THE NEW YORK STATE EDUCATION LAW.

TITLE:
**TOPOGRAPHIC SURVEY FOR THE
SWORD SURRENDER SITE
(LANDS OF OPEN SPACE CONSERVANCY, INC.)**

LOCATION: TOWN OF SARATOGA
SARATOGA COUNTY, NEW YORK

DATE: APRIL 4, 2011

SCALE:
1 INCH = 50 FEET

MAP NO. 2011-03-05

Appendix B: Site Development Plans

SARATOGA
ASSOCIATES

Landscape Architects, Architects,
Engineers, and Planners, P.C.

NEW YORK CITY > SARATOGA SPRINGS > SYRACUSE

PREPARED IN COORDINATION WITH
THE SITE DEVELOPMENT AND
LANDSCAPE TREATMENT PLAN, 2011

The Historic Saratoga-Washington on the Hudson Partnership



American Battlefield Protection Program
National Heritage Trust

Sword Surrender Site

SARATOGA ASSOCIATES PROJECT # 2011-004.10M

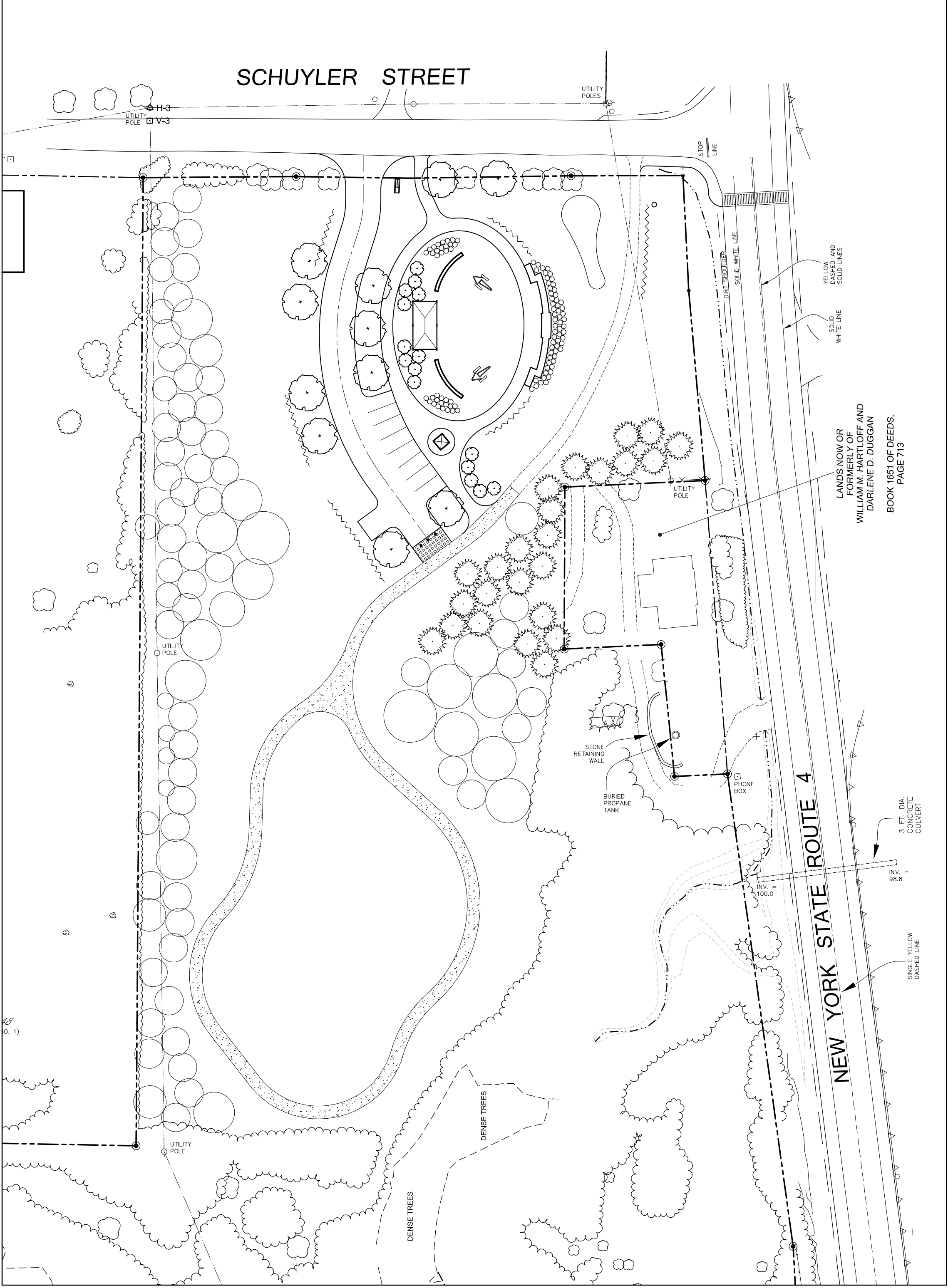
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DATE: 08-19-11
DRAWN BY: RJM
CHECKED BY: BGB

COVER SHEET

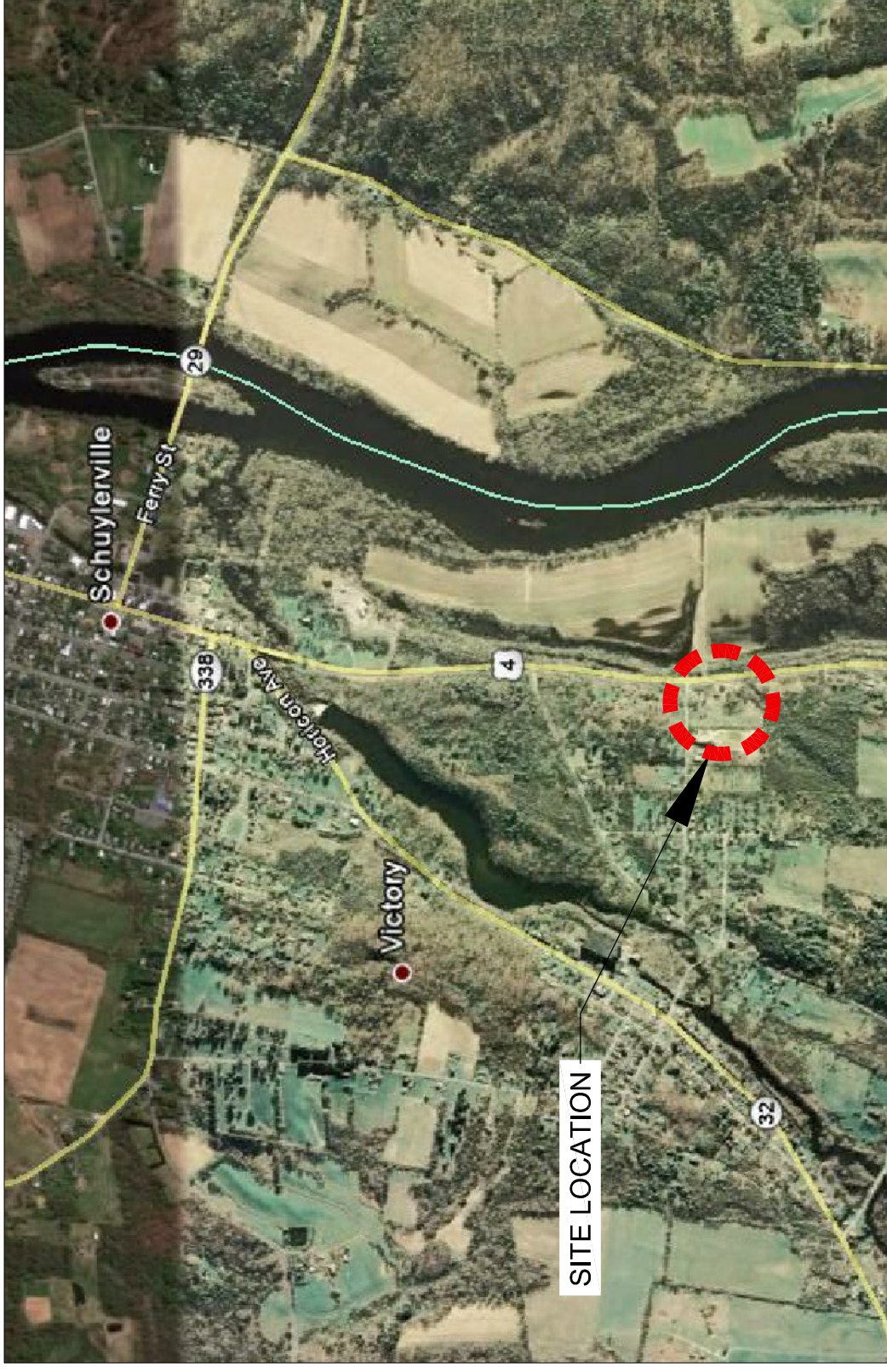
C100



SITE PLAN

- GENERAL NOTES:

1. ARCHAEOLOGICAL STUDY TO BE PERFORMED PRIOR TO CONSTRUCTION.
2. COORDINATE ALL WORK WITHIN THE R.O.W WITH NYSDOT.
3. EXISTING RECORDS SHALL BE REVIEWED FOR AVAILABLE RECORD MAPS. THEIR EXACT LOCATION MAY DIFFER FROM THAT AS SHOWN AND OTHERS MAY EXIST. CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION AND SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES WITH THE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DISCOVER AND NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO COMMENCING WORK. IF NO DISCREPANCIES ARE NOTICED, THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION BY VISITING THE SITE AND VISITING WWW.DIGSAFE.NY.GOV FOR MORE INFORMATION.
4. ALL EXISTING UNDERGROUND UTILITIES DAMAGED AS A RESULT OF NEW CONSTRUCTION SHALL BE REPAIRED TO ORIGINAL CONDITION OR BETTER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE OWNER'S REPRESENTATIVE OF ANY CONDITIONS THAT MAY REQUIRE THIS. THE EXISTING UTILITIES WILL NOT BE DAMAGED DURING THE COURSE OF NEW CONSTRUCTION. DAMAGED UTILITIES SHALL BE RESTORED AT THE EXPENSE OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL WORK AND NOTIFY THE OWNER'S REPRESENTATIVE OF ANY CONDITIONS THAT MAY REQUIRE THIS. THE CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS IN THE FIELD PRIOR TO COMMENCEMENT OF WORK AND NOTIFY THE OWNER'S REPRESENTATIVE OF ANY CONDITIONS THAT VARY FROM THE PROJECT PLANS.
6. THE CONTRACTOR SHALL EXERCISE CARE DURING REMOVAL OPERATIONS TO ENSURE THE PROTECTION OF EXISTING FACILITIES AND STRUCTURES TO REMAIN. THE CONTRACTOR SHALL RESTORE ALL DAMAGED FACILITIES AND STRUCTURES DISRUPTED AS A RESULT OF NEW CONSTRUCTION TO ORIGINAL CONDITION OR BETTER. THE CONTRACTOR SHALL PAY FOR, OBTAIN AND COMPLY WITH ALL REQUIRED PERMITS, INSPECTIONS AND CERTIFICATES.
7. THE CONTRACTOR IS RESPONSIBLE FOR CONDUCTING HIS WORK IN A SAFE MANNER. ALL WORK SHALL BE CONDUCTED IN ACCORDANCE WITH THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION'S (DEC) REGULATIONS FOR THE PROTECTION OF WATER QUALITY AND THE PREVENTION OF POLLUTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE NECESSARY MEASURES TO PREVENT POLLUTION AND MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. PROVIDE PROPER MAINTENANCE OF FLOW THROUGH EXISTING STORM SYSTEMS. THE DISCHARGE OF SLURRY PUMP WATER AND OTHER DEWATERING WATER SHALL BE TO THE STREET OR TO THE STORM DRAINAGE SYSTEM. THE CONTRACTOR SHALL GRADE THE SITE TO PROVIDE POSITIVE DRAINAGE TOWARDS STORMWATER MANAGEMENT FACILITIES.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PUBLIC TRAFFIC IN A SAFE AND UNINTERRUPTED FLOW THROUGHOUT THE CONSTRUCTION PERIOD. PROVIDE SIGNS, FLAGMEN AND OTHER FACILITIES AS NECESSARY.
9. ALL UNUSABLE EXCESS MATERIALS AND UNSUITABLE SOILS AND DEBRIS SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR IN A LEGAL MANNER.
10. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS WITH THE PROJECT STORMWATER POLLUTION PREVENTION PLAN.



LOCATION MAP



VICINITY MAP

- LIST OF DRAWINGS:

- | | |
|------|-------------------------------------|
| C100 | COVER SHEET |
| L100 | EXISTING CONDITIONS PLAN |
| L200 | DEMOLITION AND EROSION CONTROL PLAN |
| L300 | LAYOUT AND MATERIALS PLAN |
| L400 | GRADING AND DRAINAGE PLAN |
| L500 | PLANTING PLAN |
| L600 | SITE DETAILS |
| L601 | SITE DETAILS |

CONSULTANTS:

SARATOGA ASSOCIATES
LANDSCAPE ARCHITECTS, ARCHITECTS,
ENGINEERS AND PLANNERS, P.C.

443 BROADWAY, SARATOGA SPRINGS, NY 12866

SURVEY ASSOCIATES

PROFESSIONAL LAND SURVEYOR
320 BROADWAY, SARATOGA SPRINGS, NY 12866



John Trumbull's Painting Surrender at Saratoga c.1817-1822
Permission granted courtesy of the "Architect of the Capitol"

- NOTES:
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 - THE SURVEYED PARCEL IS CURRENTLY LANDS OF OPEN SPACE CONSERVANCY, INC. (SEE DEED REFERENCE NO. 1).
 - THE TAX MAP PARCEL NO. FOR THE SURVEYED PARCEL IS 170.06-1-4.1.
 - THE AREA OF THE SURVEYED PARCEL IS 18.894± ACRES.
 - BOUNDARY INFORMATION PER DEED REFERENCE NO. 1 AND MAP REFERENCE NO. 4.

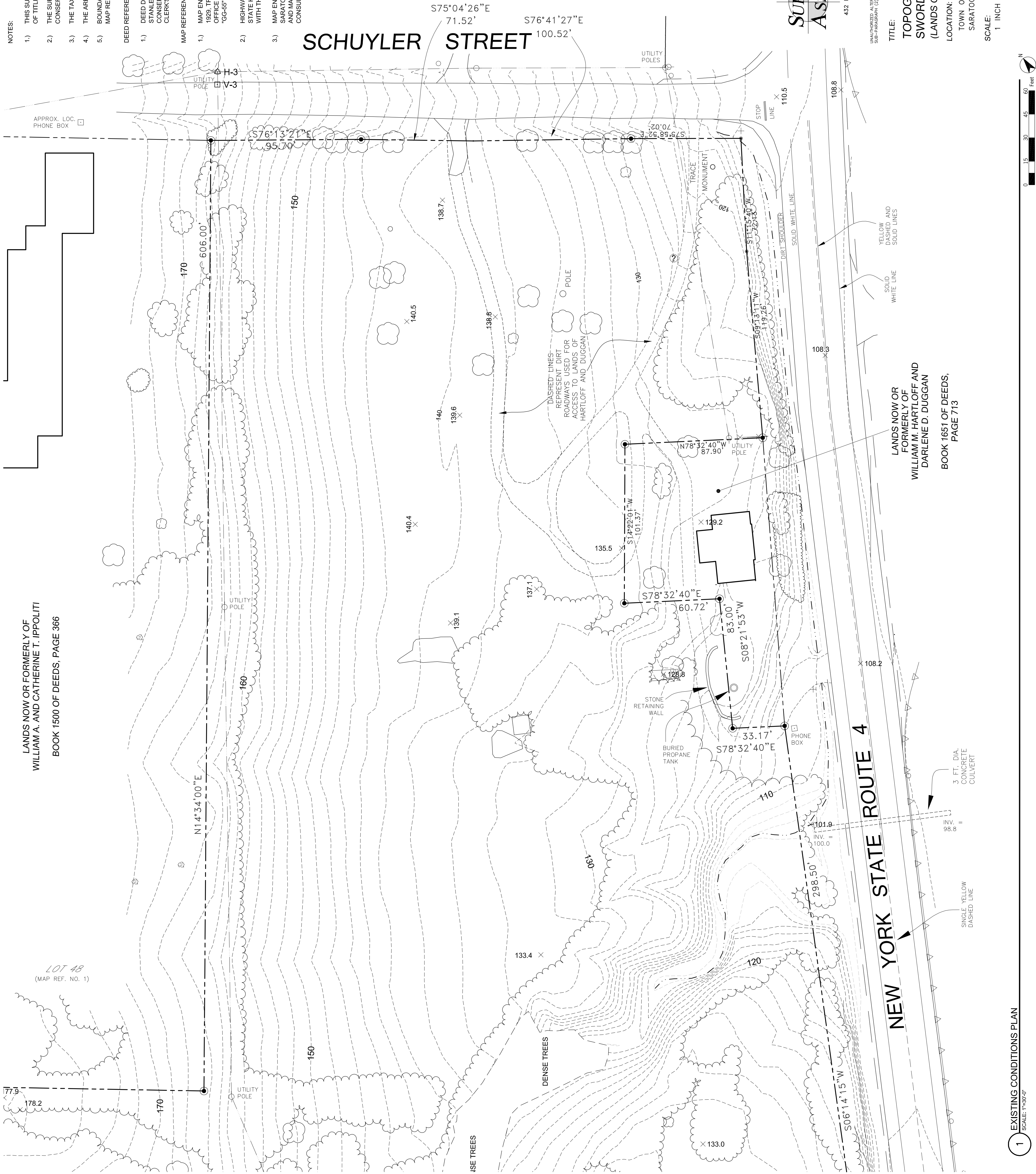
DEED REFERENCE:

- DEED DATED NOVEMBER 9, 2006 FROM RAYMOND S. GERMAIN, STANLEY G. GERMAIN AND MARY ANN GERMAIN TO OPEN SPACE CONSERVANCY, INC. AND RECORDED IN THE SARATOGA COUNTY CLERK'S OFFICE AS DEED NO. 2006019799.

MAP REFERENCES:

- MAP ENTITLED "MAP OF THE THOMAS SMITH FARM", DATED AUGUST 10, 1993, TRACED BY S.J. MOTT AND FILED IN THE SARATOGA COUNTY CLERK'S OFFICE AS MAP NO. "GG-53". A SIMILAR MAP IS ALSO FILED AS MAP NO. "GG-56".
- HIGHWAY APPROPRIATION MAP FOR BEWIS HEIGHTS - SCHUYLERVILLE STATE HIGHWAY, BEING MAP NO. 56, PARCEL NOS. 82 AND 84 AND FILED WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION.
- MAP ENTITLED "SURVEY OF A PORTION OF LANDS OF THE COUNTY OF SARATOGA PREPARED FOR WILLIAM A. IPPOLITI", DATED AUGUST 24, 1998 AND MADE BY NORTHEAST LAND SURVEY & LAND DEVELOPMENT CONSULTANTS, P.C.

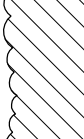




DESIGN DEVELOPMENT SET - NOT FOR CONSTRUCTION



DEMOLITION AND EROSION CONTROL PLAN

DEMOLITION AND REMOVALS NOTES:

1. ARCHAEOLOGICAL STUDY TO BE PERFORMED PRIOR TO ANY CONSTRUCTION.
2. THIS DRAWING IS BASED UPON A SURVEY CONDUCTED BY THE NEW YORK STATE HISTORIC PRESERVATION DIVISION, 100 NASSAU ST., 10TH FLOOR, NEW YORK, NY 10038, DATED APRIL 04, 2011, AND PREPARED BY ASSOCIATES SURVEYING, LLC PROFESSIONAL LAND SURVEYING.
3. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES AND THE DEPT. OF ENVIRONMENTAL CONSERVATION'S RESPONSIBILITY OF THE CONTRACTOR TO UTILIZE A LOCATING SERVICE TO VERIFY UNDERGROUND UTILITY LOCATIONS.
4. THE CONTRACTOR SHALL EXERCISE CARE DURING CONSTRUCTION TO PROTECT EXISTING FACILITIES TO REMAIN. DAMAGED FACILITIES INTENDED TO REMAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

DEMOLITION AND REMOVALS LEGEND:	
SYMBOL	DESCRIPTION
	REMOVE TREES AND VEGETATION
	REMOVE TREES
	SEDIMENT CONTROL FENCE
	TREE PROTECTION FENCE
	CLEARING LIMIT LINE

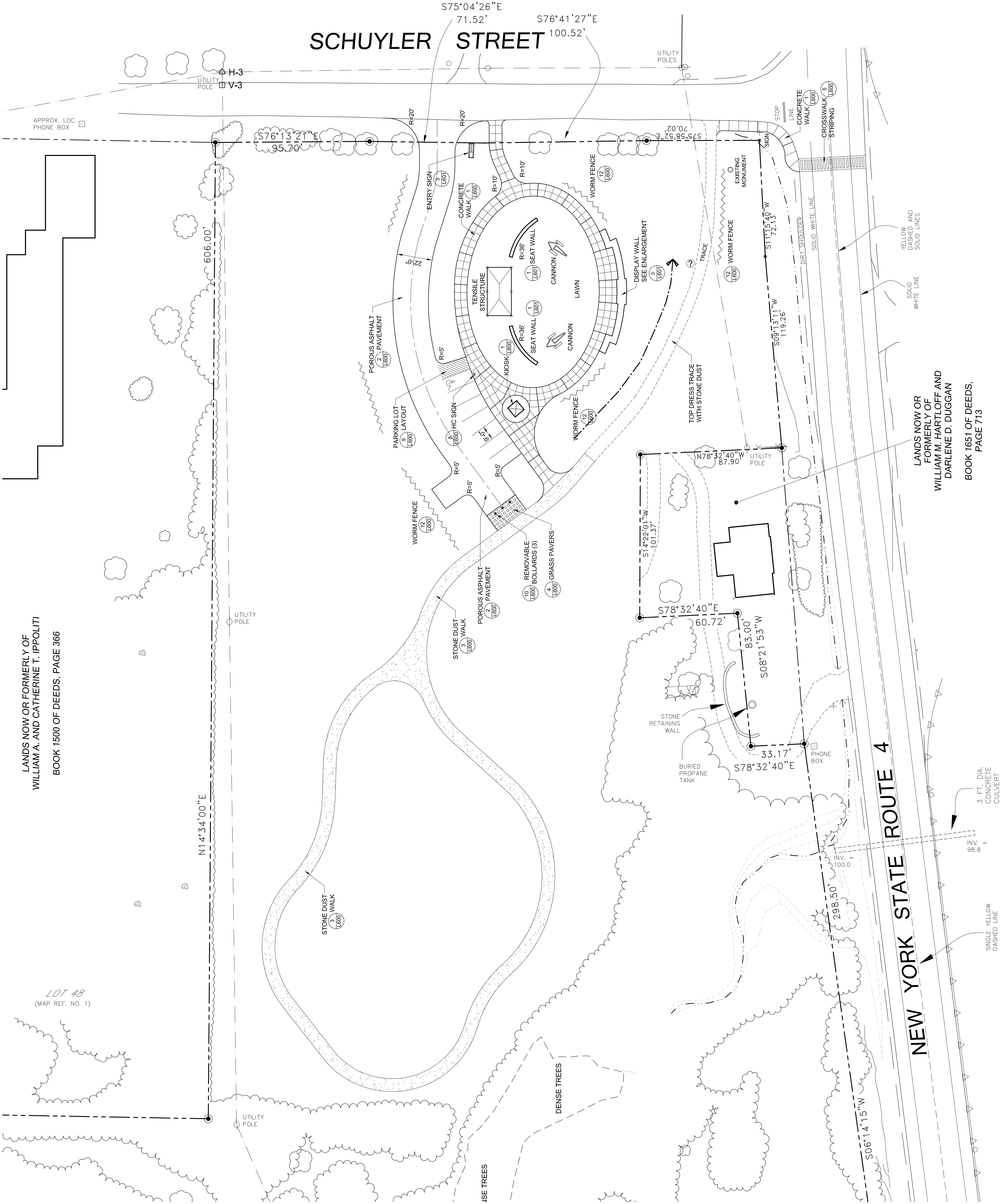


- LAYOUT AND MATERIALS NOTES:
1. ARCHAEOLOGICAL STUDY TO BE PERFORMED PRIOR TO ANY CONSTRUCTION.
 2. THIS DRAWING IS BASED UPON A SURVEY OF THE LANDS NOW OR FORMERLY OF WILLIAM A. AND CATHERINE T. IPPOLITI, DATED APRIL 04, 2011, AND PREPARED BY SURVEY ASSOCIATES, LLC PROFESSIONAL LAND SURVEYING.
 3. PRIOR TO COMMENCING WORK THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO UTILIZE A LOCATING SERVICE TO VERIFY UNDERGROUND UTILITY LOCATIONS.
 4. ALL NEW PAVEMENTS AND CURBS SHALL MEET EXISTING PAVEMENTS AND CURBS WITH A SMOOTH TRANSITION AND FLUSH JOINT.

LAYOUT AND MATERIALS LEGEND:

SYMBOL	DESCRIPTION
	POROUS ASPHALT PAVEMENT (2) (L800)
	CONCRETE WALK (1) (L800)
	STONE DUST WALK (3) (L800)

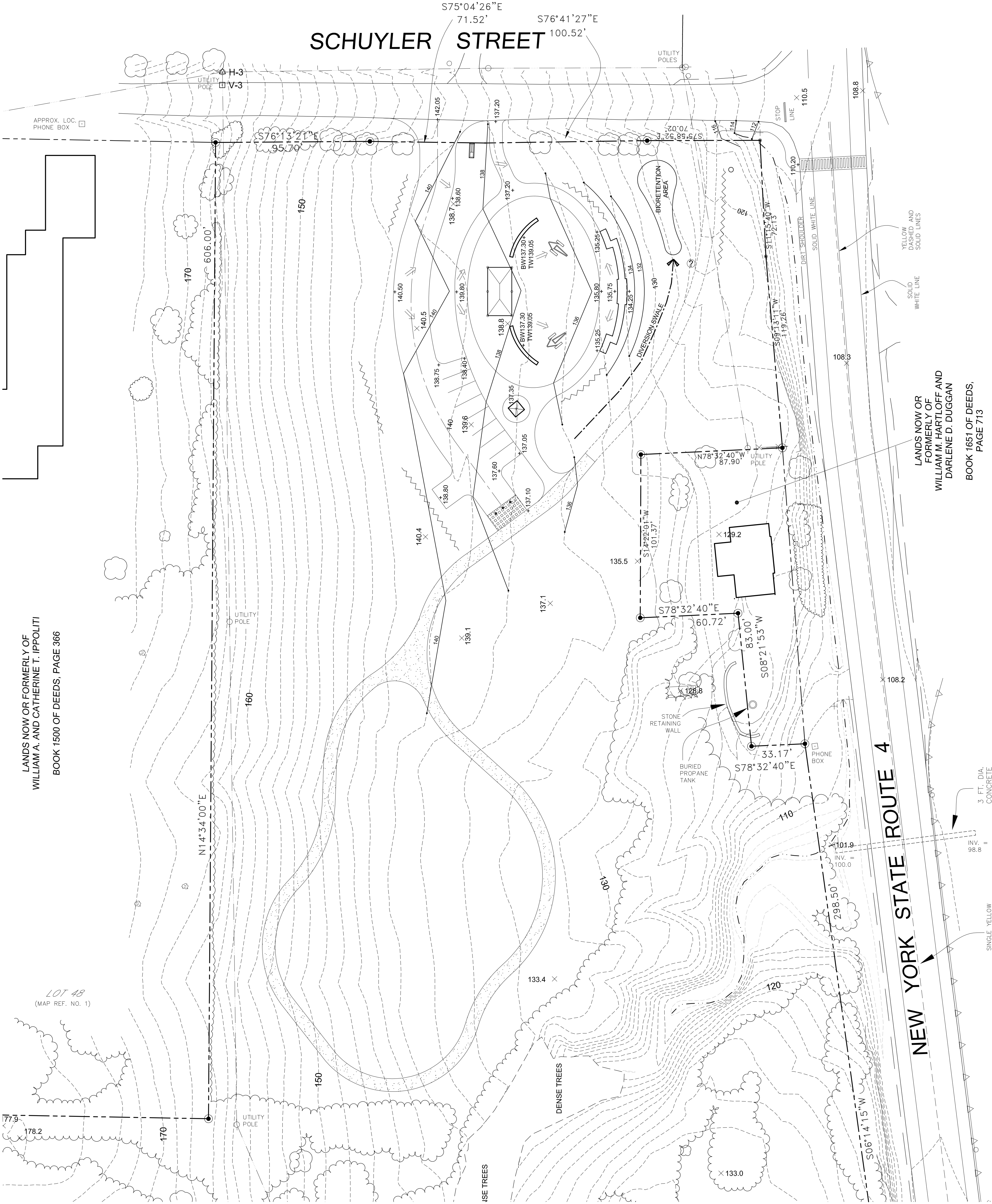
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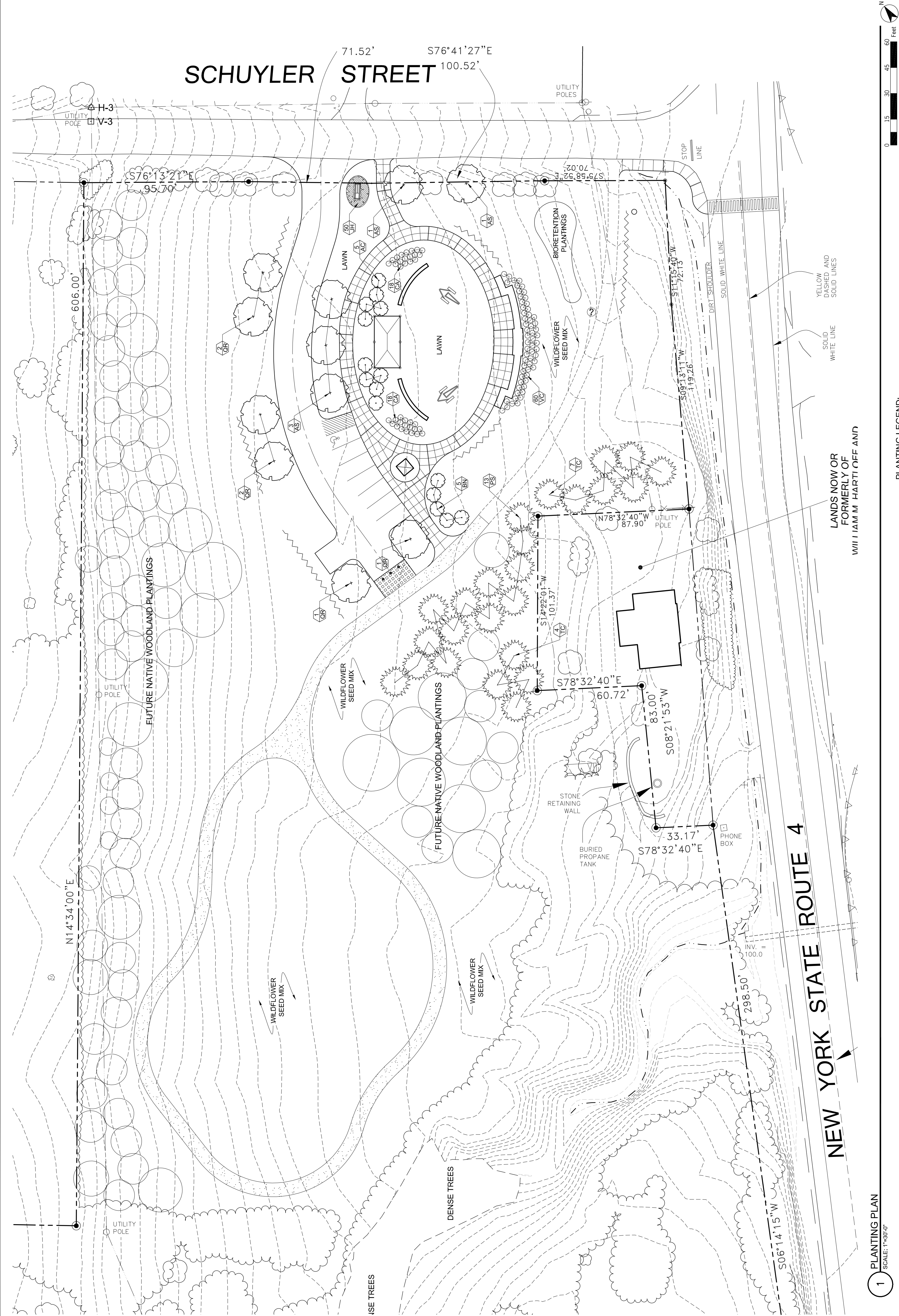


- GRADING NOTES:
1. ARCHAEOLOGICAL STUDY TO BE PERFORMED PRIOR TO ANY CONSTRUCTION.
 2. THIS DRAWING IS BASED UPON A SURVEY ENTITLED "TOPOGRAPHIC SURVEY OF THE PROPOSED GRADING AND DRAINAGE PLAN FOR THE PROPOSED GRADING AND DRAINAGE PLAN, PREPARED BY SURVEY ASSOCIATES, LLC PROFESSIONAL LAND SURVEYING.
 3. PRIOR TO COMMENCING WORK THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL UNDERGROUND UTILITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO UTILIZE A LOCATING SERVICE TO VERIFY UNDERGROUND UTILITY LOCATIONS.
 4. THE CONTRACTOR SHALL STAKE OUT ALL GRADES IN THE FIELD PRIOR TO CONSTRUCTION AND NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY OF ANY DISCREPANCIES.
 5. THE CONTRACTOR SHALL GRADE THE SITE TO EXISTING FINISHED GRADES AND SHALL PROVIDE STORMWATER MANAGEMENT FACILITIES.
 6. TRANSITIONS FROM ALL NEW PAVEMENTS TO EXISTING PAVEMENTS SHALL BE SMOOTH AND FLUSH. SIDEWALK AND HANDICAP AISLE CROSS-SLOPES SHALL NOT EXCEED 2%.

GRADING AND UTILITIES LEGEND:

SYMBOL	DESCRIPTION	
	889	NEW CONTOUR LINE
889.65 +	NEW SPOT ELEVATION	
↗	DIRECTION OF SURFACE FLOW	





1 PLANTING PLAN
SCALE: 1"=30'-0"

PLANT LIST

SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	NOTE
DECIDUOUS TREES						
AS	5	ACER SACCHARINUM 'LEGACY'	LEGACY SUGAR MAPLE	3-3 1/2" DIA.	B&B	
AC	10	AMELANCHIER CANADENSIS	SERVICEBERRY	8'-10' HGT.	B&B	HEAVY CLUMP
BN	5	BETULA NIGRA 'HERITAGE'	RIVER BIRCH	8'-10' HGT.	B&B	
QR	6	QUERCUS RUBRA BOREALIS	NORTHERN RED OAK	3-3 1/2" DIA.	B&B	
SRUBS						
CA	36	CLETHRA ALNIFOLIA 'COMPACT FORM'	COMPACT SUMMERSHEET	24'-30" HGT.	3 GAL.	
VC	60	VIBURNUM CARLESI 'COMPACTUM'	COMPACT FRAGRANT VIBURNUM	24'-30" HGT.	B&B	
JA	50	JUNIPERUS HORIZONTALIS	HORIZONTAL JUNIPER	12'-18" HGT.	1 GAL	18" O.C.
EVERGREEN TREES						
PS	13	PINUS STROBUS	WHITE PINE	6'-8" HGT.	B&B	
TC	11	TSUGA CANADENSIS	CANADIAN HEMLOCK	6'-8" HGT.	B&B	

FUTURE NATIVE WOODLAND PLANT LIST

BOTANICAL NAME	COMMON NAME
ACER SACCHARINUM 'LEGACY'	LEGACY SUGAR MAPLE
AMELANCHIER CANADENSIS	SERVICEBERRY
BETULA NIGRA 'HERITAGE'	RIVER BIRCH
QUERCUS RUBRA BOREALIS	NORTHERN RED OAK
PICEA GLAUCA	WHITE SPRUCE
PINUS STROBUS	WHITE PINE
TSUGA CANADENSIS	CANADIAN HEMLOCK

PLANTING NOTES:

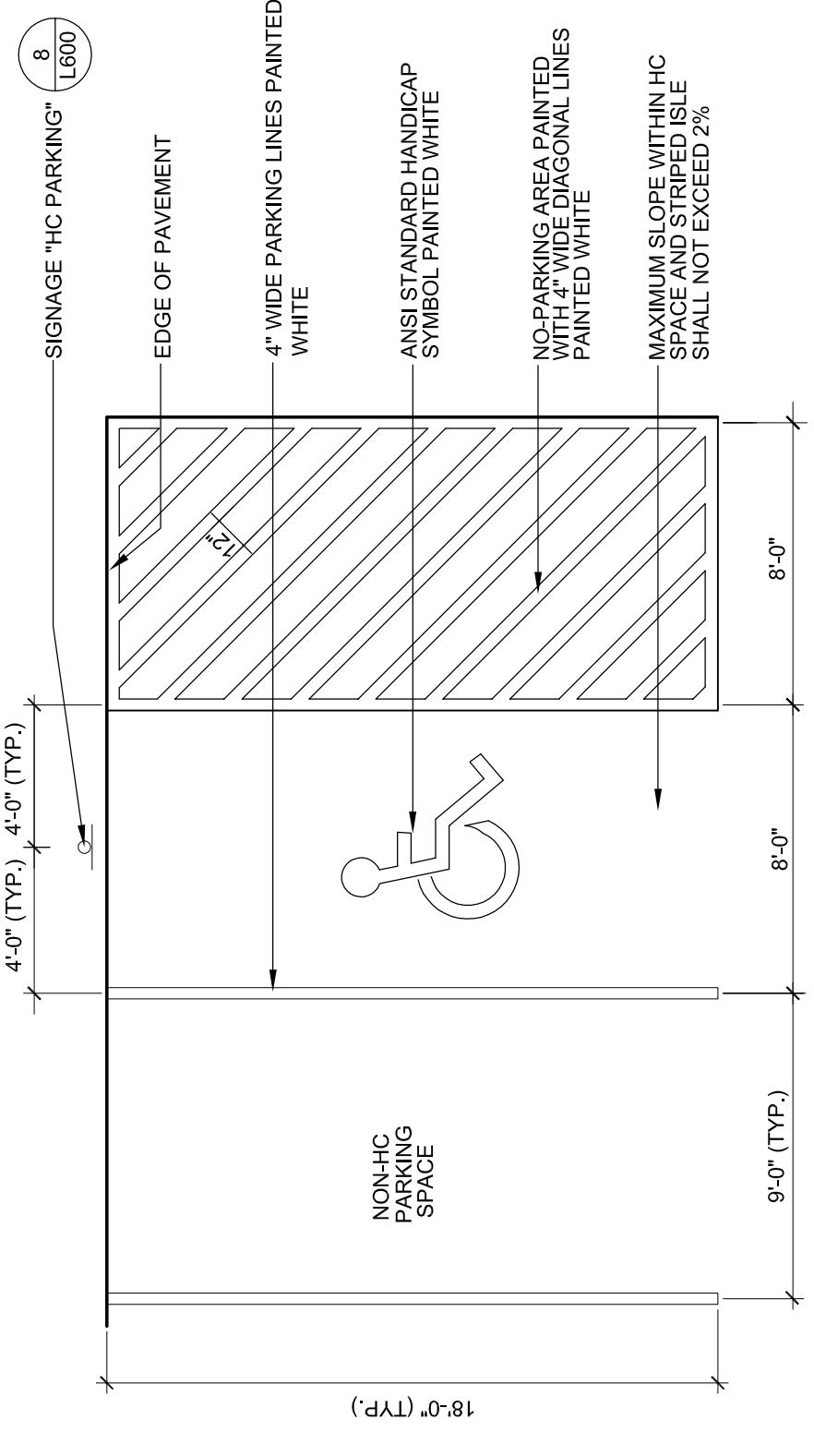
1. ARCHAEOLOGICAL STUDY TO BE PERFORMED PRIOR TO ANY CONSTRUCTION.
2. ALL PLANT BEDS AND TREE PIT AREAS SHALL RECEIVE 4" OF SHREDDED BARK MULCH.

PLANTING LEGEND: DESCRIPTION

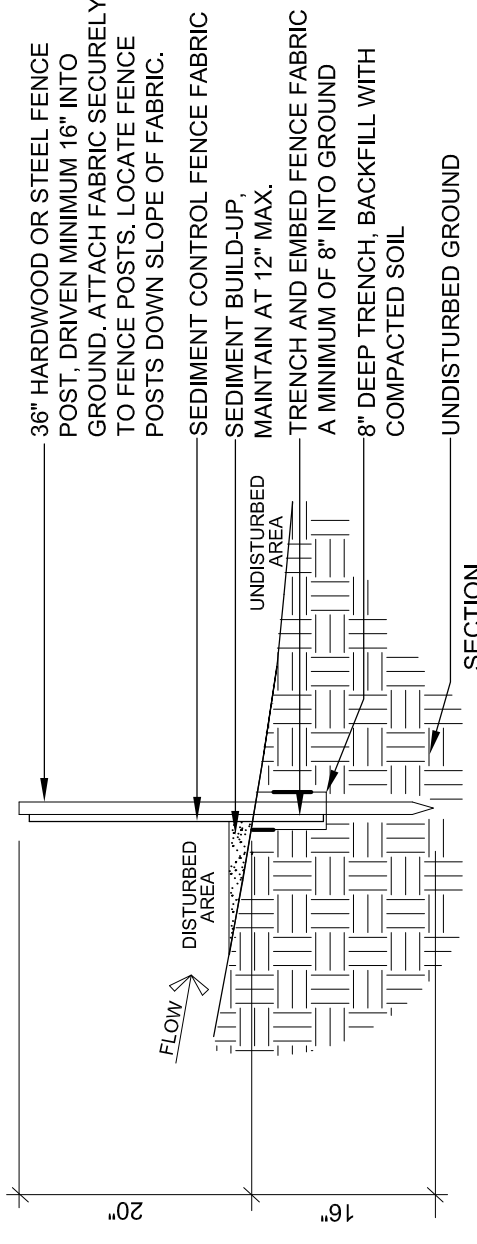
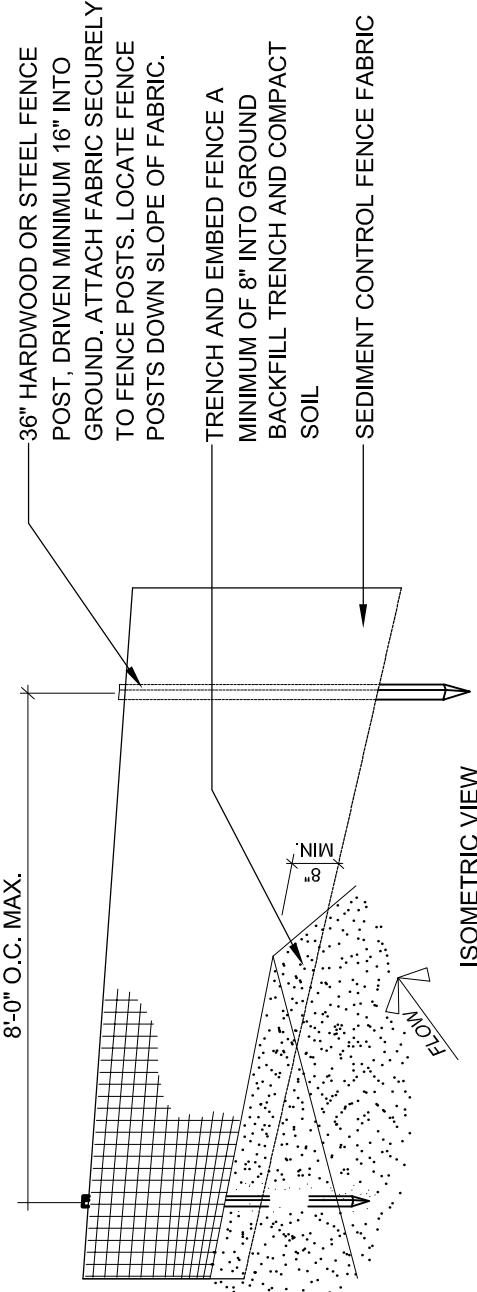
SYMBOL	DESCRIPTION
	NEW DECIDUOUS TREE PLANTING
	NEW FLOWERING TREE PLANTING
	NEW EVERGREEN TREE PLANTING
	NEW SHRUB PLANTING
	NEW GROUNDCOVER PLANTING
	PLANT QTY.
	PLANT SYMBOL
	FUTURE NATIVE WOODLAND PLANTINGS

Sword Surrender Site

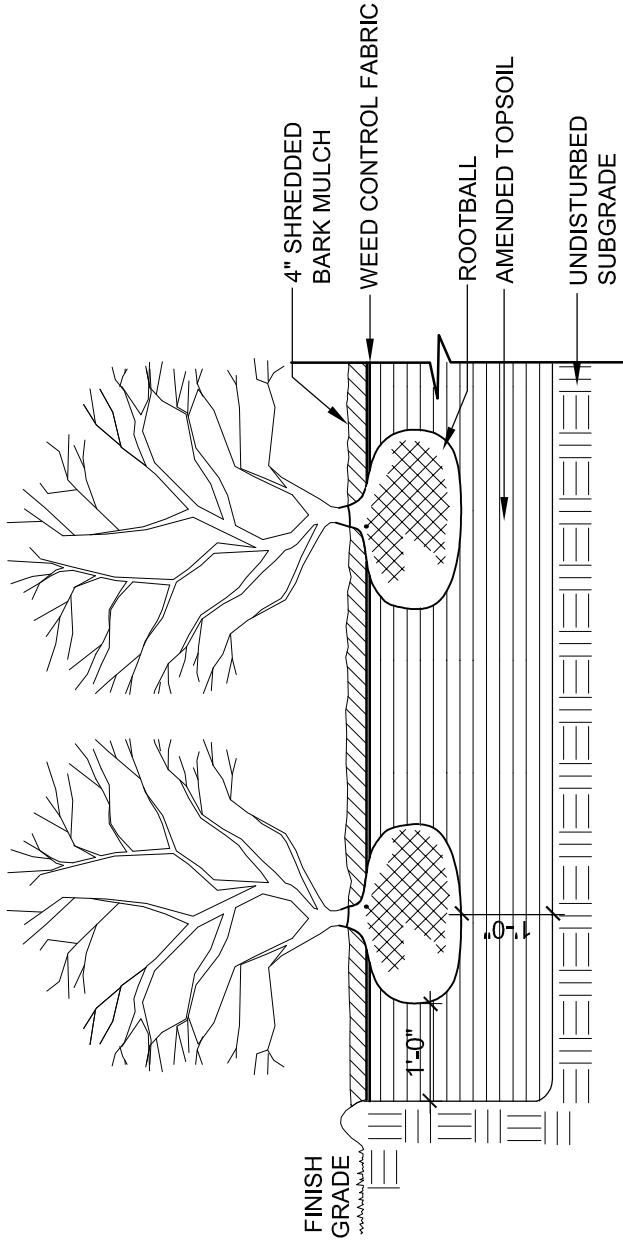
DESIGN DEVELOPMENT SET - NOT FOR CONSTRUCTION



12 WORM FENCE
SCALE: NONE

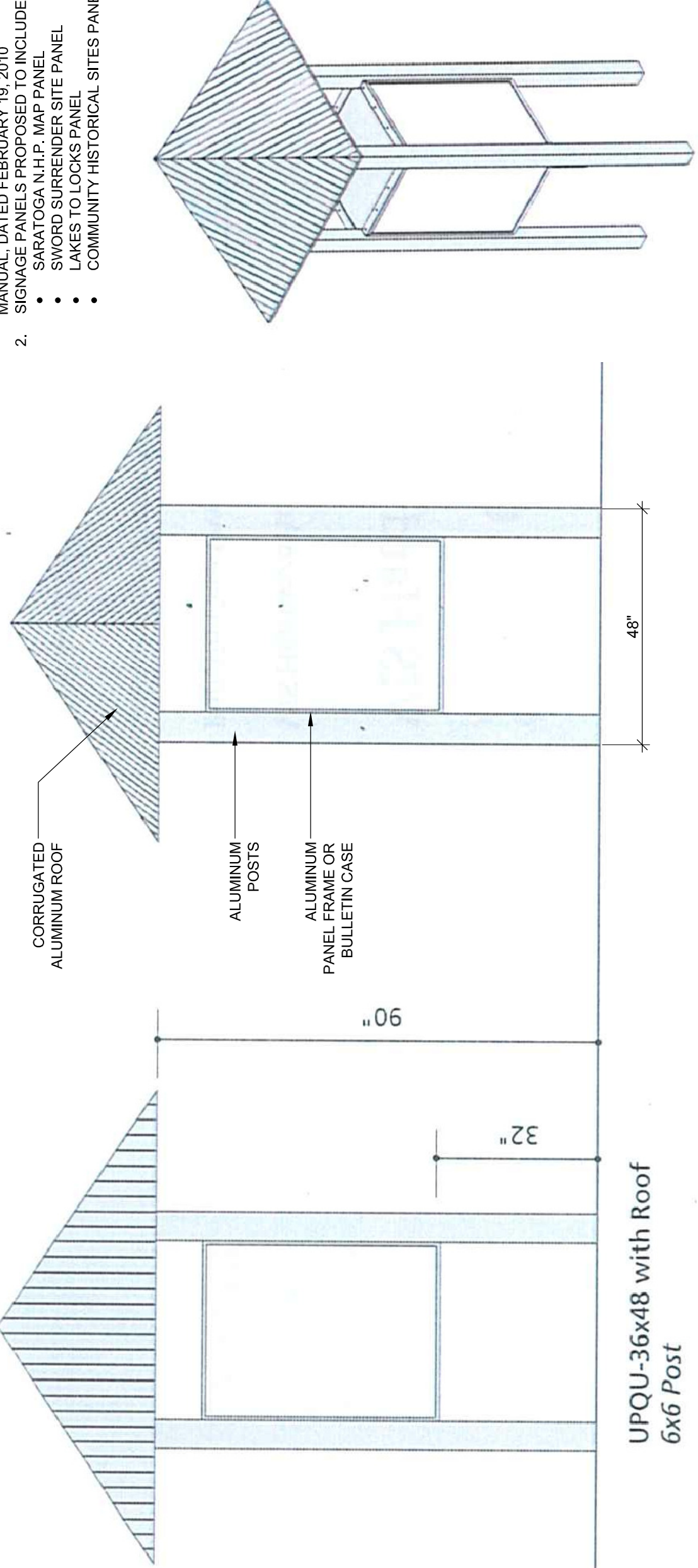


13 SEDIMENT CONTROL FENCE
NOT TO SCALE

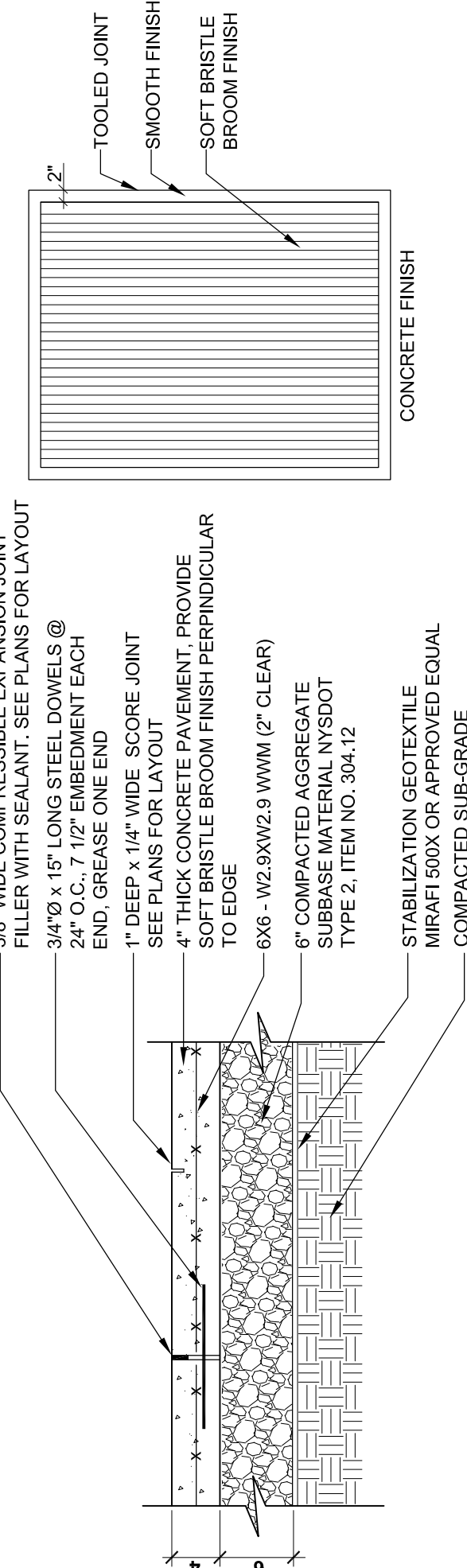


14 SHRUB PLANTING
SCALE: NONE

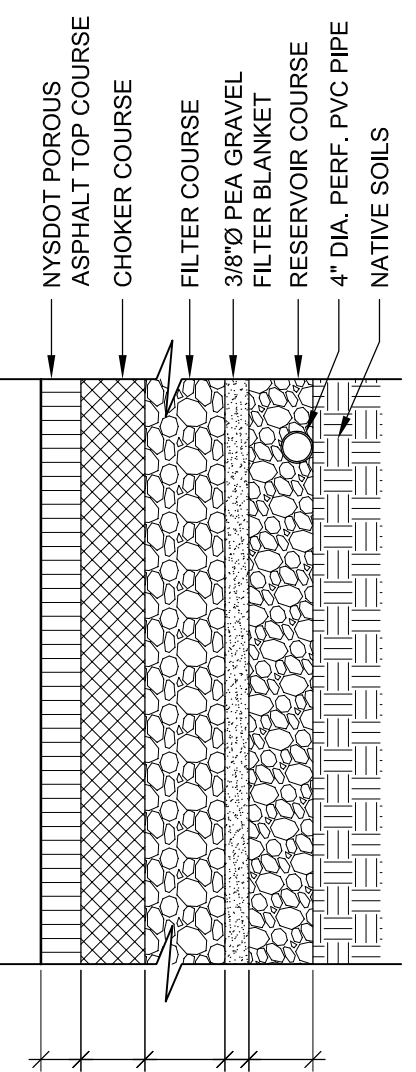
- NOTE:
- KIOSK TO BE BUILT PER THE NATIONAL PARK SERVICE VISITOR SIGN SYSTEMS AND WAYSIDE HARDWARE SPECIFICATIONS (MANUAL DATED FEBRUARY 19, 2010). SIGNAGE SHALL BE FABRICATED TO INCLUDE:
 - SARATOGA N.H.P. MAP PANEL
 - SWORD SURRENDER SITE PANEL
 - LAKE TO LOOKS PANEL
 - COMMUNITY HISTORICAL SITES PANEL



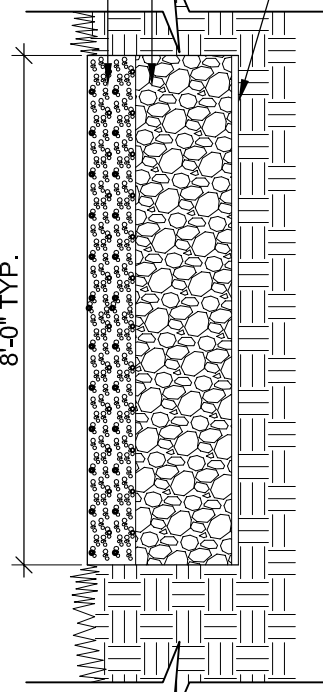
11 KIOSK
NOT TO SCALE



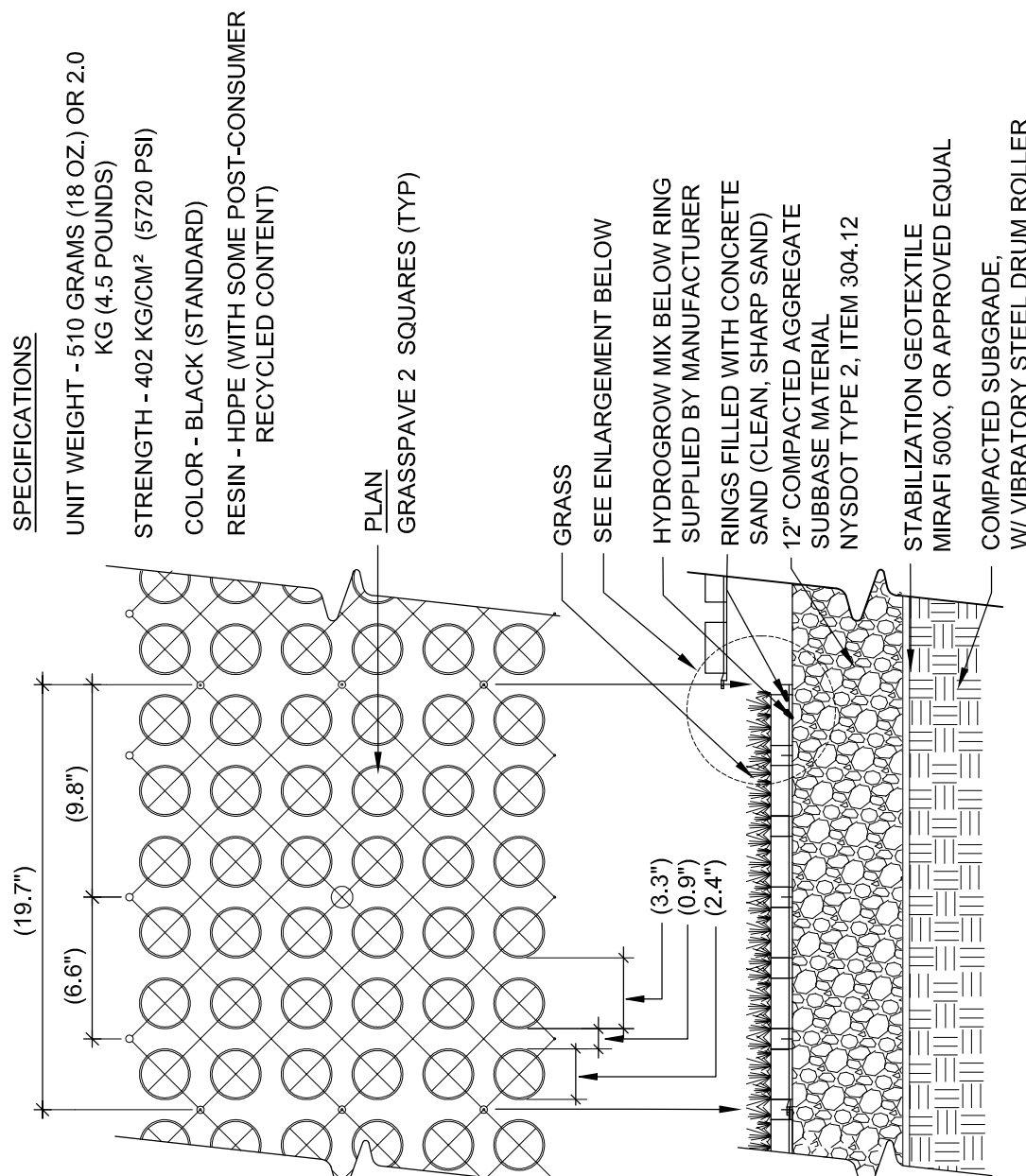
1 CONCRETE WALK
SCALE: 1"=1'-0"



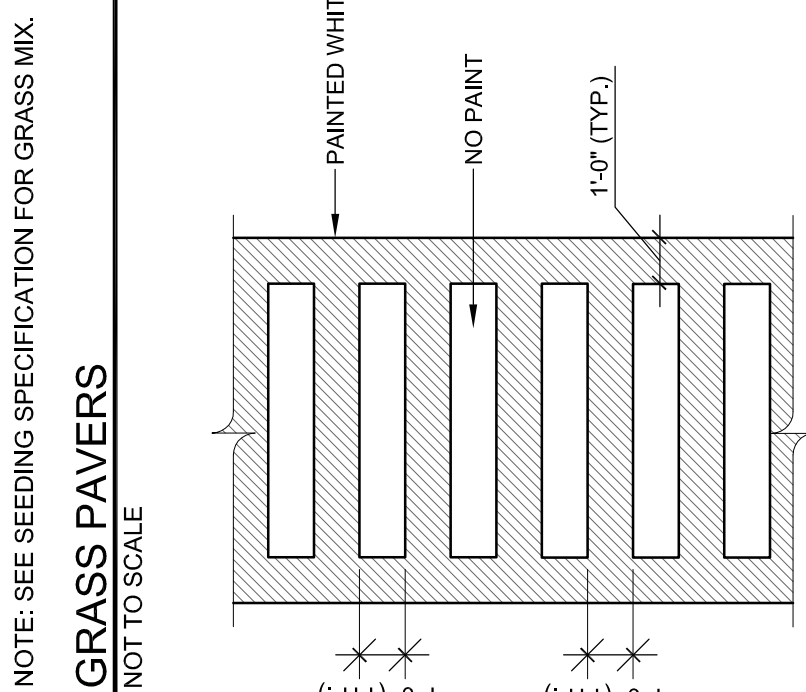
2 POROUS ASPHALT PAVEMENT
SCALE: 1/2"=1'-0"



3 STONE DUST WALK
SCALE: 1"=1'-0"

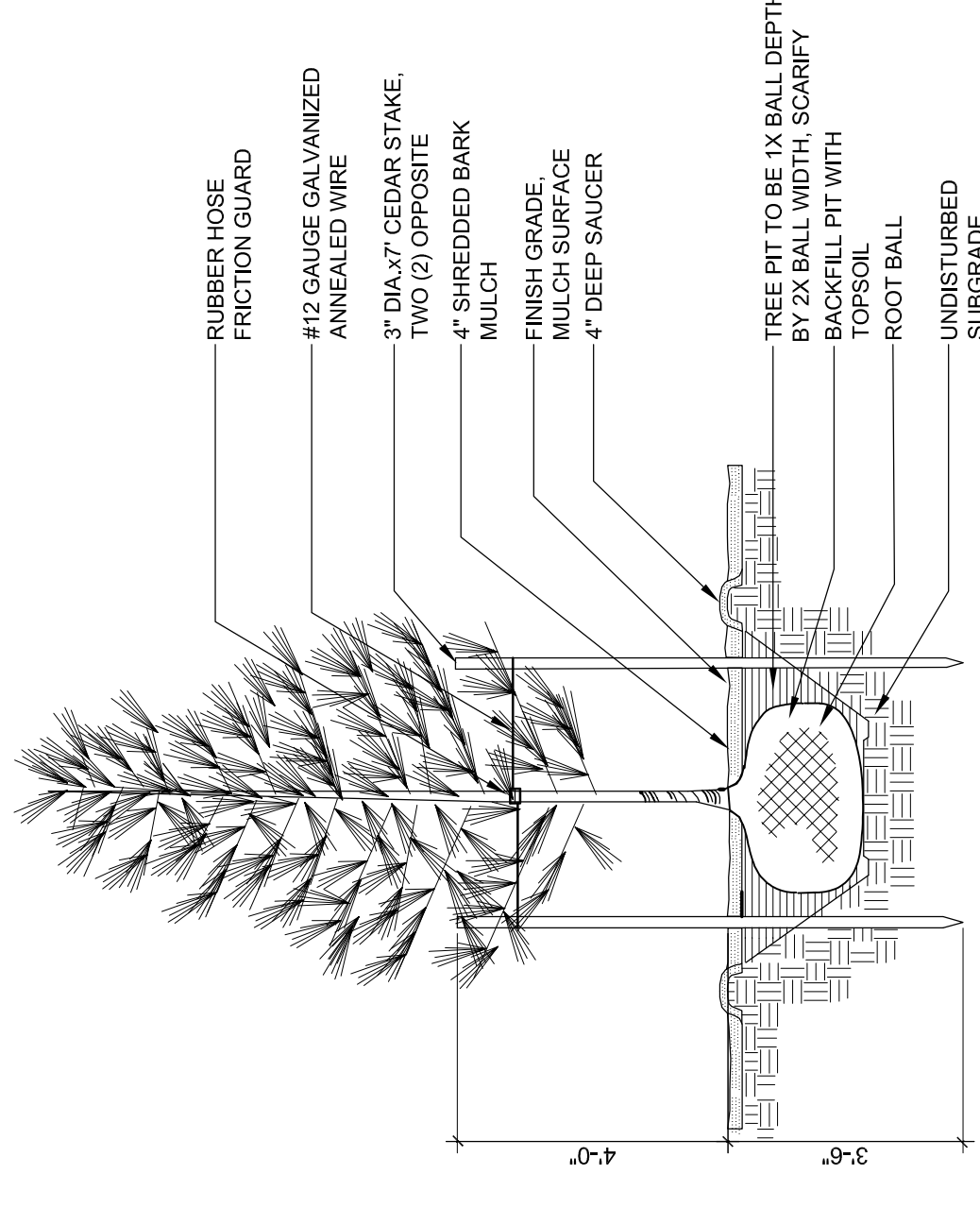


4 GRASS PAVERS
NOT TO SCALE

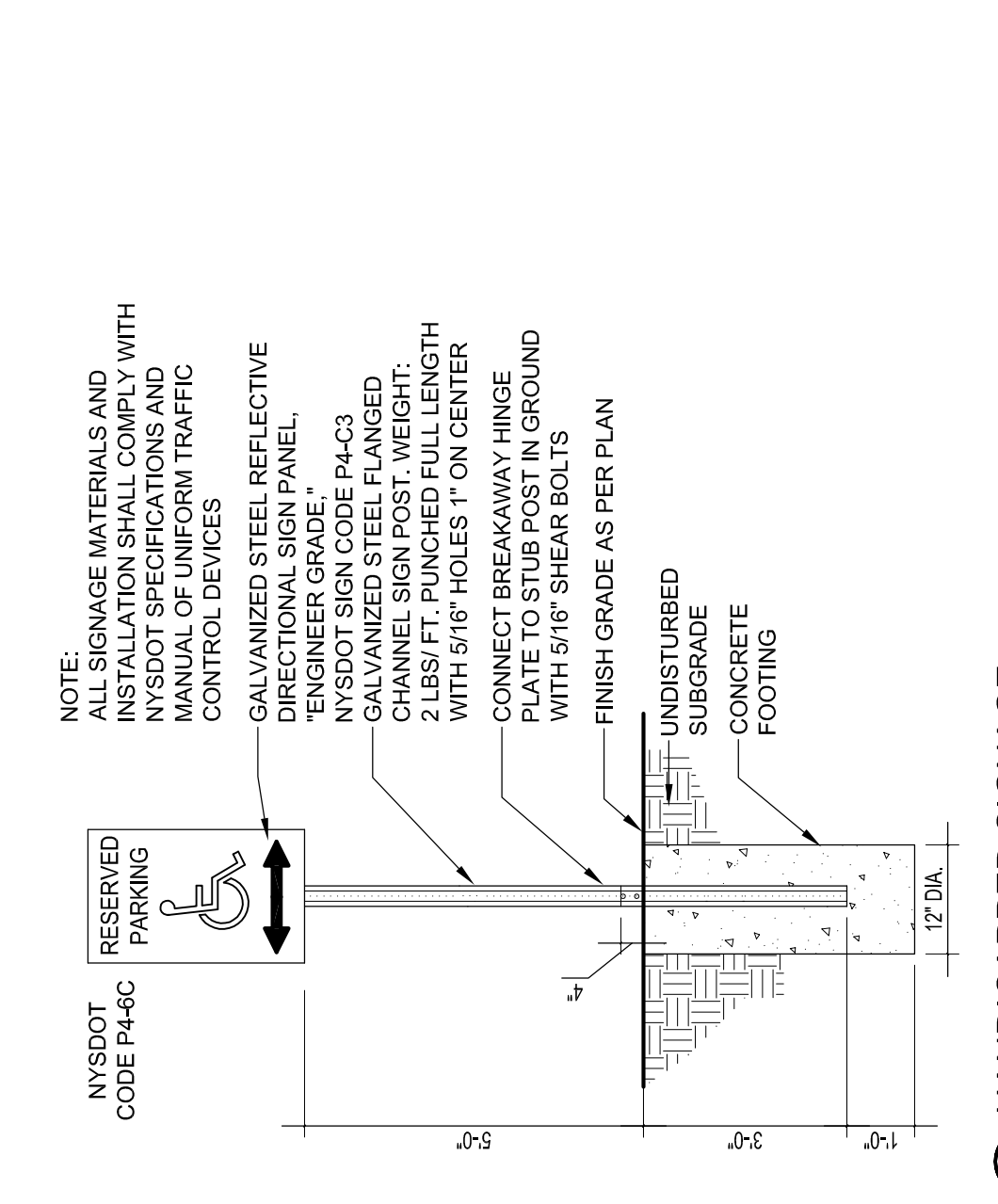


5 CROSSWALK STRIPING
SCALE: NOT TO SCALE

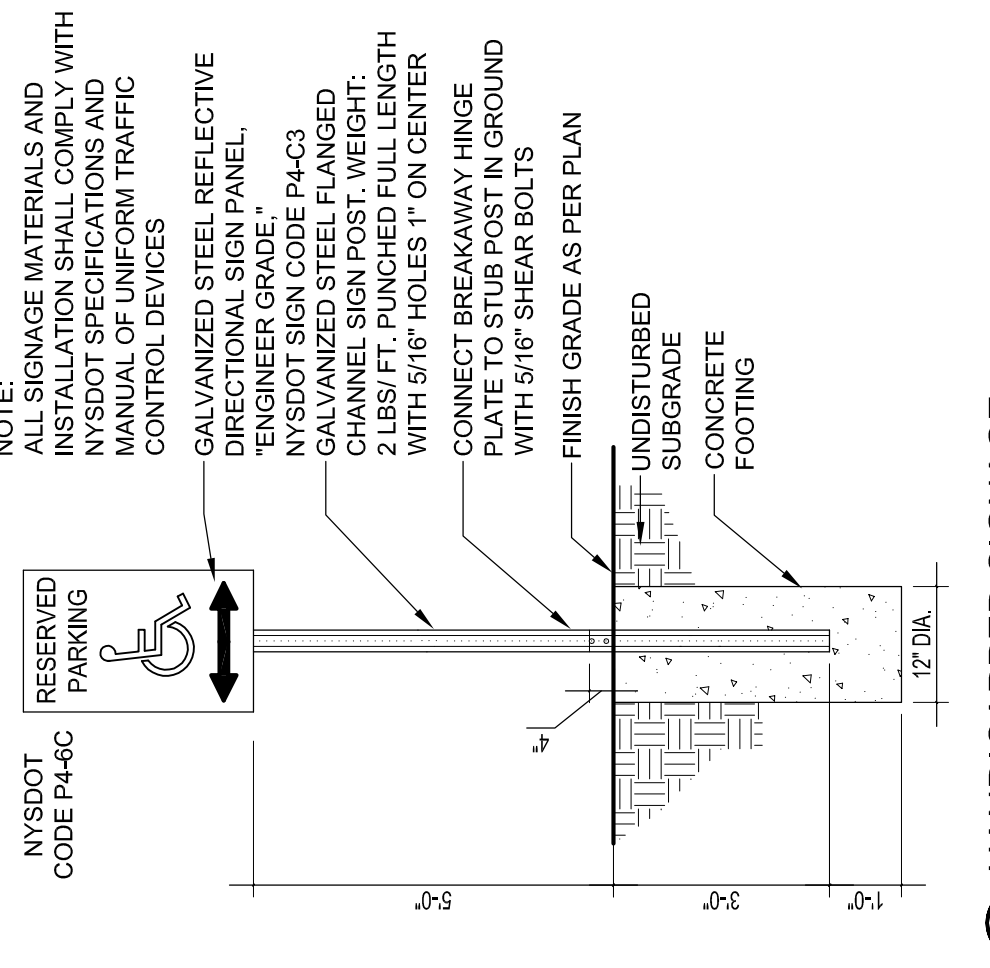
6 TYPICAL DECIDUOUS TREE PLANTING
SCALE: NONE



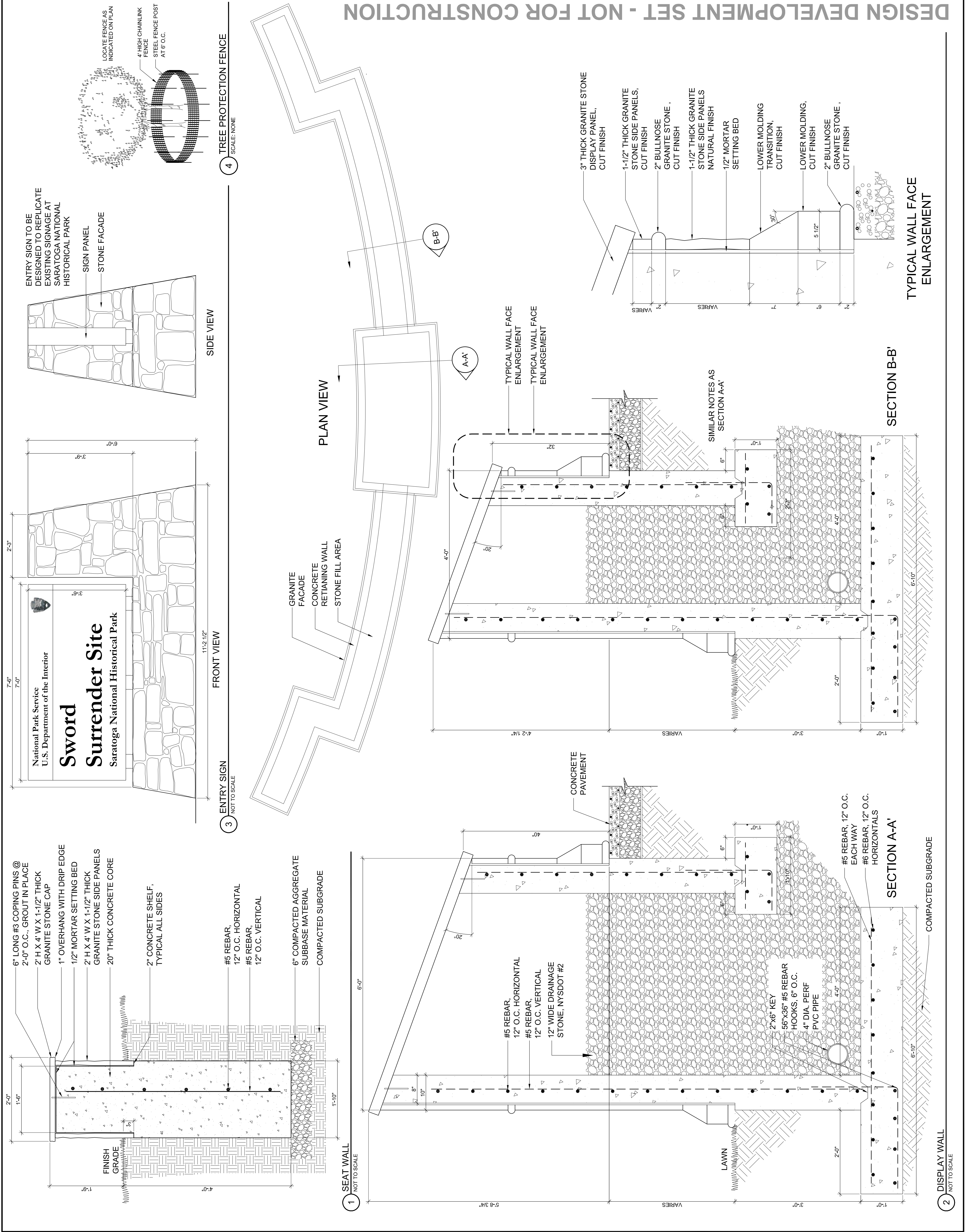
7 TYPICAL EVERGREEN TREE PLANTING
SCALE: NONE



8 HANDICAPPED SIGNAGE
SCALE: NONE



- NOTE:
- ALL SIGNAGE MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE NATIONAL PARK SERVICE VISITOR SIGN SYSTEMS AND WAYSIDE HARDWARE SPECIFICATIONS (MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES).
 - GALVANIZED STEEL REFLECTIVE DIRECTIONAL SIGN PANEL.
 - "ENGINEER GRADE".
 - NYSDOT SIGN CODE P4-C3.
 - GALVANIZED STEEL FLANGED CHANNEL SIGN POST, WEIGHT: 12 LBS. PER LINEAL FOOT, WITH 5/16" HOLES 1" ON CENTER.
 - CONNECT BREAKAWAY HINGE, PIVOTED 90 DEGREES, FINISH GRADE AS PER PLAN.
 - UNDISTURBED SUBGRADE.
 - CONCRETE FOOTING.



Appendix C: Relevant Memorial Counterparts

RELEVANT MEMORIAL COUNTERPARTS

INTRODUCTION

The United States boasts a wide variety of historic sites with compelling memorials that have been achieved through cultural landscape rehabilitations. The goal of each rehabilitative treatment is to preserve the cultural landscape's character-defining features, while augmenting its interpretation through improvements and narratives that capture the essence of the event or events to be memorialized.

The Setting of the Sword Surrender Site is confronted with existing constraints and potential threats, owing to ongoing land subdivisions and developments occurring in select parts of the area, among others. However, because the site itself has experienced relatively minimal effects of development over time, it has the capacity to be readily adaptable to memorialize the events of October 17, 1777. Thus, its current condition as a virtual "tabla rasa" is highly conducive to substantial rehabilitation and interpretation.

In order to understand potential rehabilitative opportunities for the planning and design of the memorial and other interpretive elements of the Sword Surrender Site, Saratoga Associates explored a series of completed memorials in other parts of the country. Based on our understanding of the directives and vision for the *Site Development and Cultural Landscape Treatment Plan for the Battles of Saratoga Sword Surrender Site*, five historic sites were identified as relevant case studies for this analysis. These include the following:

- Minute Man National Historic Park
- Wright Brothers National Memorial
- Roger Williams National Memorial
- Fort Caroline National Memorial
- Lyndon Baines Johnson Memorial Grove on the Potomac

Each of the parks was chosen based on specific elements, character, and physical aspects that are relevant to the rehabilitation of the Sword Surrender Site. A list of each park's key planning and design attributes is offered below.

Minute Man National Historic Park

- Stone walls made of local materials
- Interpretive plaques integral to the wall
- Memorial wall that is configured to characterize the event
- Wood fencing to reference historic landscape conditions
- Modest landscape improvements implemented in service of the memorial
- Use of a footpath to lead visitors to a central location



Wright Brothers National Memorial

- Sweeping views of the site and setting
- Use of the landscape and topography as a key visual component
- Management of the landscape to interpret the event and setting
- Bold and simple placement and use of memorial
- Use of significant and sizeable stonework for visual inspiration
- Restrained treatment of the landscape and vegetation
- Integration of footpaths into the topography to encourage visitor use



Roger Williams National Memorial

Landscape setting that creates a centralized zone

Use of bronze plaques

Preservation of parkland area

Use of native stone walls

Use of gardens as a historic reference to agriculture

Interpretation of early settlement land use patterns



Fort Caroline National Memorial

Preservation of the site's cultural landscape

Use of views to interpret the history of the site

Use of large stone monument

Orientation and siting of monument to frame important views

Use of grasslands and woodlands for interpretation

Preservation and rehabilitation of historic views

Lyndon Baines Johnson Memorial Grove on the Potomac

Use of large natural stone monument

Simple hardscape circulation to lead visitors and views

Framed off-site views

Restrained treatment of the landscape and vegetation

Views of the Potomac River



In addition to these sites, other area historic sites were analyzed to determine design cues that could potentially inform this rehabilitation. These include the following:

Saratoga National Historical Park

Battlefield, Saratoga Monument, Victory Woods, Schuyler House



Fort Hardy Park



Starks Knob Historic Park



Appendix D: Photographs

Site Photographs: May 11, 2011



North central border looking north



North central border looking northeast



North central border looking east



North central border looking southeast



North central border looking northwest



North cenral border looking southwest



Southwestern border looking south



Southwestern corner looking northeast



Southwestern border looking northeast



Southwestern border looking northeast



Southwestern border looking southeast



Southwestern border looking southeast



Southeastern border looking northeast



Southeastern border looking south



Southeaster corner of site



Southeastern corner looking northwest



Western-central ravine



Western central ravine looking north-east



Central ravine looking northeast



Central ravine looking southwest



Southeastern knoll looking northwest



Southeastern plateau looking northeast



Southeastern knoll looking northwest



Southeastern plateau looking southwest



Southeastern plateau looking southeast



Southeastern plateau looking southwest



Southeastern plateau looking northwest



Southwestern plateau looking north

Site Setting Photographs: March 11, 2011



Eastern central view from Rt 4 looking west



Eastern central view from Rt 4 looking north



Eastern central view from Rt 4 looking north



Southeast border view from Rt 4 looking south



Eastern central view from Rt 4 looking southwest



Northern central view from Rt 4 looking northwest



Northeast corner of site looking west



Northeast corner of site, across Rt 4 looking northwest (Schuyler Street)



Northeast corner of site, across Rt 4, looking northeast toward Hudson River



Northeast corner of site across Rt 4 looking northwest (Schuler Street)



Northeast corner of site, across Rt 4, looking southwest



Northeast corner of site, across Rt 4, looking northeast (Champlain Canal)



Fields opposite of Schuyler Street looking east down farm lane



Fields opposite of Schuyler Street looking northeast



Fields opposite of Schuyler Street looking north



Fields opposite of Schuyler Street looking west toward Rt 4 and Schuyler Street



Fields east of project site looking southwest from farm lane



Fields east of project site looking northwest



Field opposite project site north from farm lane



Field opposite of project site looking northeast from farm lane



Fields opposite of project site looking west toward Hudson River farm lane



Fields opposite of project site looking east from farm lane



Field opposite of project site along the Hudson River looking south



Field opposite of project site along the Hudson River looking southeast



Fields opposite of project site along the Hudson River looking south



Fields opposite of project site along the Hudson River looking north



Fields opposite of project site along the Hudson River looking north



Fields opposite of project site looking west



Fields opposite of project site looking east



Fields and woodland opposite of project site looking west



Woodlands east of project site looking west



Woodlands east of project site looking northeast



Fields and woodlands east of project site looking north



Fields east of project site looking east



Fields east of project site looking north-east toward Schuyler Street



Fields east of project site looking north-east

Site Photographs: March 18, 2011



Northeast corner looking east



Northeast corner looking south



Northeast corner looking southwest



Northeast corner looking north (across Schuyler Road)



Northeast corner looking southeast



Northeast corner looking northeast (Schuyler Road and Rt 4 - view of Existing Historical Marker)



Northeast corner looking south



Northeast corner looking southeast



Northeast corner looking southwest



Northeast corner looking southeast



Northeast corner looking north from adjacent residence

Site Photographs: May 30, 2011



Northeast corner looking east



Northeast corner looking northeast



Northeast corner looking north (across Schuyler Street)



Northeast corner looking west



Northeast corner looking west



Northeast corner looking west/northwest



Northeast corner looking northeast
(across Schuyler Street)



Northeast corner looking north (across
Schuyler Street)



Northeast corner looking northeast



Northeast corner looking northeast (view
of existing Historical Marker)



Northeast corner looking south



Northeast corner looking southwest



North central looking west



North central looking west



North central looking south (adjacent residence)



Northeast corner looking northeast (view of existing Historical Marker)

Saratoga Monument Photographs: May 30, 2011



Saratoga Monument



Base of Monument



Interpretive materials



Site elements at the monument



Bench



Stonework details of the monument



Saratoga Monument



Monument and restroom building



Stonework details



Stonework details



Interpretive signage



Sculptural elements

Appendix E: Potential Funding Sources

Potential Funding Sources

Name of Program	Sponsoring Agency	Deadline	Website
America's Media Makers Development Grants	National Endowment for the Humanities	August 2012	http://www.neh.gov/grants/guidelines/AmMediaMakers_development.html
America's Media Makers Production Grants	National Endowment for the Humanities	August 2012	http://www.neh.gov/grants/guidelines/AmMediaMakers_production.html
Archeology and Archaeometry	National Science Foundation	July 2012	http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=11690
Bikes Belong Grants Program	Bikes Belong Coalition	Accepted on a rolling basis	http://www.bikesbelong.org/grants/
Brownfield Opportunity Areas Program	NYS Dept of State	March and September	http://nyswaterfronts.com/grantopps_BOA.asp
City Ventures Fund	The New York Landmarks Conservancy	Accepted on a rolling basis	http://www.nylandmarks.org/programs_services/grants/city_ventures_fund/
Challenge America Fast Track	National Endowment for the Arts	May	http://www.nea.gov/grants/apply/GAP12/Challenge.html
Challenge Grants	National Endowment for the Humanities	May 2012	http://www.neh.gov/grants/guidelines/challenge.html
Clean Energy Business Grown and Development	NYS Energy Research and Development Authority	Accepted on a rolling basis	http://www.nyserda.org/economicrecovery/blockgrants.asp
Club Fostered Stewardship Grants	American Canoe Association and LL Bean	Accepted on a rolling basis	http://www.americancanoe.org/?page=LLBean_CFS_Grant
Community Programs Grant	USDA Rural Development	Accepted on a rolling basis	
Community Trade Adjustment Assistance Program	US Economic Development Administration	April 2012	http://www.eda.gov/PDF/CommunityTAAFFO-FINAL.pdf
Conservation Trust Grant	National Geographic	Accepted on a rolling basis	http://www.dec.ny.gov/pubs/grants.html
Country Agricultural and Farmland Protection Planning Grant	NYS Department of Agriculture and Markets	Accepted on a rolling basis	http://www.agmkt.state.ny.us/RFPS.html
Cultural Anthropology	National Science Foundation	January and August	http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5321
Cultural Anthropology Scholars Awards	National Science Foundation	January and August	http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5321
Digital Humanities Start-Up Grants	National Endowment for the Humanities	September 27, 2011	http://www.neh.gov/grants/guidelines/digitalhumanitiesstartup.html
Digitizing Historical Records	National Archives and Records Administration	June 2012	http://www.archives.gov/nhprc/announcement/digitizing.html
Economic Development Assistance Programs	Economic Development Administration	Accepted on a rolling basis	http://www.eda.gov/xp/EDAPublic/PDF/FY09-EDAP-FFO-FINAL.pdf
Electronic Records Project	National Archives and Records Administration	June 2012	http://www.archives.gov/nhprc/announcement/electronic.html
Environmental Education Program	Fish and Wildlife Service	Check website	http://www07.grants.gov/search/synopsis.do?jsessionid=9J8nTKFNy1n9MWyV6v66sCLfJm7wWpXRI5NFgnB6RVWkVfSJpWd!410430200
Environmental Protection and Conservation Grant	The Fields Pond Foundation	Accepted on a rolling basis	http://www.assembly.state.ny.us/gan/20090901/#environmental
Environmental Protection Fund & Land and Water Conservation Fund	NYS Dept of State	June 2012	http://nyswaterfronts.com/grantopps_EPF.asp
Environmental Protection Fund Local Waterfront Revitalization Plan (LWRP)	NYS Dept of State	Check website	http://nyswaterfronts.com/grantopps_epf.asp
Environmental Sustainability	National Science Foundation	Jan 15 - Feb 17, 2012	http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501027
Ecosystem Science	National Science Foundation	July 2012	http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12822
Emergency Preservation Grants	The New York Landmarks Conservancy	Accepted on a rolling basis	http://www.nylandmarks.org/programs_services/grants/emergency_preservation_grants/
Environmental Engineering	National Science Foundation	Jan 15 - Feb 17, 2012	http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501029
Energy for Sustainability	National Science Foundation	Jan 15 - Feb 17, 2012	http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501026
Environmental Restoration Program	NYS Department of Environmental Conservation	Accepted on a rolling basis	http://www.dec.ny.gov/pubs/grants.html
EZ Consulting Grants	The New York Landmarks Conservancy	Accepted on a rolling basis	http://www.nylandmarks.org/programs_services/grants/ez_consulting_grants/
Farmers Market Promotion Program	US Department of Agriculture	April 2012	http://www.ams.usda.gov/AMSv1.0/FMPP
Fellowships	National Endowment for the Humanities	May 2012	http://www.neh.gov/grants/guidelines/fellowships.html
Folk and Traditional Arts: Access to Artistic Excellence	National Endowment for the Arts	March and August	http://www.nea.gov/grants/apply/folk.html

Name of Program	Sponsoring Agency	Deadline	Website
Geography and Regional Science	National Science Foundation	October 15, 2011	http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5410
GET READY! Grants for Museum Advancement	Upstate History Alliance	January 1, 2012	http://www.museumwise.org/services/grants
GET SET! Grants for Museum Advancement	Upstate History Alliance	Rolling applications	http://www.museumwise.org/services/grants
GO! Grants for Museum Advancement	Upstate History Alliance	30 days before event	http://www.museumwise.org/services/grants
Greenway Community Grants	Hudson River Valley National Heritage Area	Feb, May and Sept	http://www.hudsongreenway.state.ny.us/GrantFunding/CommunityGrants.aspx
Greenway Compact Grants	Hudson River Valley National Heritage Area	Feb, May and Sept	http://www.hudsongreenway.state.ny.us/GrantFunding/CompactGrants.aspx
Greenway Conservancy Small Grant Program	Hudson River Valley National Heritage Area	August	http://www.hudsongreenway.state.ny.us/GrantFunding/ConservancyGrant.aspx
Grow New York's Enterprise Program	NYS Department of Agriculture and Markets	Accepted on a rolling basis	http://www.agmkt.state.ny.us/RFPS.html
Improving Literacy through School Libraries	US Department of Education	March 2012	http://www2.ed.gov/programs/isl/applicant.html
Industrial Heritage Preservation Grants	Society for Industrial Archeology	March 1st (check website)	http://www.siahq.org/grants/about.html
Interpreting America's History: Implementation Grants	National Endowment for the Humanities	January 2012	http://www.neh.gov/grants/guidelines/IAHP_Implementation.html
Interpreting America's History: Planning Grants	National Endowment for the Humanities	January 2012	http://www.neh.gov/grants/guidelines/IAHP_Planning.html
Learning in the Arts for Children and Youth	The National Endowment for the Arts	June 2012	http://www.nea.gov/grants/apply/artsed.html
Local Government Records Management Improvement Fund (LGRMIF)	New York State Education Department	February 2012	http://www.archives.nysed.gov/a/grants/grants_lgrmif.shtml
Major Grants	New York Council for the Humanities	Announced fall 2011	http://www.nyhumanities.org/grants/intro.php#Project
Market Development Cooperator Program	US Department of Commerce	Check website	http://ita.doc.gov/td/mdcp/
Mini Grants	New York Council for the Humanities	Accepted on a rolling basis	http://www.nyhumanities.org/grants/
Municipal Agricultural and Farmland Protection Planning Grant	NYS Department of Agriculture and Markets	Accepted on a rolling basis	http://www.agmkt.state.ny.us/RFPS.html
National Scenic Byways Discretionary Grant Program	US Department of Transportation	April 2012	http://www.bywayonline.org/grants/
National Trust Preservation Funds	National Trust for Historic Preservation	June 2012	http://www.preservationnation.org/resources/find-funding/grants/
Native American Library Services: Enhancement Grants	Institute of Museum and Library Services	May 1, 2012	http://www.imls.gov/applicants/grants/nativeEnhance.shtm
Native American/Native Hawaiian Museum Services	Institute of Museum and Library Services	April 1, 2012	http://www.imls.gov/applicants/grants/nativeServices.shtm
New Era Rural Technology Competitive Grants Program	US Department of Agriculture	April 2012	http://www.nifa.usda.gov/funding/rfas/new_era.html
NYS Community Development Block Grant (Main Street Development and Annual Competitive Round)	NYS Division of Housing and Community Renewal	April 2012	http://www.nysdhcr.gov/Programs/NYS-CDBG/
NYS Main Street Program	Office of Community Renewal	Accepted on a rolling basis	http://nysdhcr.gov/Programs/NYMainStreet/
Open Grant	Dr Scholl Foundation	November 1, March 1	http://www.drschollfoundation.com/procedures.htm
Pan-American Advanced Studies Institutes Program (PASI)	National Science Foundation	January 15, 2012	http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf10517
The Peter H. Brink Leadership Fund	National Trust for Historic Preservation	Accepted on a rolling basis	http://www.preservationnation.org/resources/find-funding/grants/
Planning and Construction Grants	Enterprise Green Community	Accepted on a rolling basis	http://www.greencommunitiesonline.org/tools/funding/index.asp
Population and Community Ecology	National Science Foundation	July 2012	http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503414
Preservation Assistance Grants for Smaller Institutions	National Endowment for the Humanities	May	http://www.neh.gov/grants/guidelines/pag.html
Preserve NY Grant Program	The Preservation League of America	May	http://www.preservenys.org/01_what_grants_guide.html
Professional Development Grants for Archives and Historical Publishing	National Archives and Records Administration	June 2012	http://www.archives.gov/nhprc/announcement/development.html
Publishing Historic Records: Colonial and Early National Period	National Archives and Records Administration	July 2012	http://www.archives.gov/nhprc/announcement/publishing.html
Publishing Historic Records: New Republic through the Modern Era	National Archives and Records Administration	July 2012	http://www.archives.gov/nhprc/announcement/publishing.html
Public Subventions	National Archives and Records Administration	March 2012	http://archives.gov/nhprc/announcement/subvention.html

Name of Program	Sponsoring Agency	Deadline	Website
Reading and Discussion Program Grants	New York Council for the Humanities	June 2012	http://www.nyhumanities.org/grants/rd/index.php
Recovery Act Funds - Environmental Internships	Department of the Interior	August	http://www.grants.gov/search/search.do?mode=VIEW&opId=47853
Refresh Everything	Pepsi Co	Accepted every month	http://www.refresheverything.com/how-it-works
Rivers, Trails, and Conservation Assistance Program	National Park Service	August 2012	http://www.nps.gov/nrcr/programs/rtca/contactus/cu_apply.html
Robert W. Wilson Sacred Sites Challenge Grant	The New York Landmarks Conservancy	June 2012	http://www.nylandmarks.org/programs_services/grants/sacred_sites_program/wilson_grant_criteria
Rural Area Revitalization Projects and Urban Initiatives Programs	NYS Division of Housing and Community Renewal	Accepted on a rolling basis	http://www.dhcr.state.ny.us/Funding/
Sacred Sites Fund	The New York Landmarks Conservancy	June 2012	http://www.nylandmarks.org/programs_services/grants/sacred_sites_program/
Save America's Treasures	The National Park Service	2012 budget under review	http://www.nps.gov/history/hps/treasures/index.htm
Strategies and Tools for Archives and Historical Publishing Projects	National Archives and Records Administration	June 2012	http://www.archives.gov/nhprc/announcement/strategies.html
Strategic Agricultural Initiative (SAI) Grant Program	Environmental Protection Agency	Check website	http://www.epa.gov/reg3wcmd/pesticidesSAI2008.htm
Teaching American History	U.S. Department of Education	April 1, 2012	http://www2.ed.gov/programs/teachinghistory/applicant.html
Technical Assistance Grant	NYS Department of Environmental Conservation	Accepted on a rolling basis	http://www.dec.ny.gov/regulations/2590.html
Tourism Matching Grants Program	NYS Canal Corporation	Check website for availability	http://readme.readmedia.com/Canal-Corporation-Announces-Availability-of-Tourism-Matching-Grants-Program/1192822-Corporation-Announces-Availability-of-Tourism-Matching-Grants-Program/1192822
Water Sustainability and Climate	National Science Foundation	October 19, 2011	http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503452
Worldwide Grant Program	Tourism Cares	March, July	http://www.tourismcares.org/grants/worldwide-grants
Wildlife Grant	Norcross Wildlife Foundation	Accepted on a rolling basis	http://www.norcrossws.org/Foundmain.html
Youth Environmental Grants	The Captain Planet Foundation	March 31, June 30, Sept 30 and Dec 31	http://assembly.state.ny.us/gan/20091201/

Source: Stewardship Plan for the Historic Saratoga Washington on the Hudson Partnership; Saratoga Associates

Appendix F: Public Workshop Notes

Meeting Notes

Project Name: Sword Surrender Site Development and Cultural Landscape Treatment Plan

Project #:

Meeting Title: Workshop Meeting

Date and Time: March 18, 2011

Attendees: Brit Basinger, RLA, Saratoga Associates
Gregory Dietrich, Gregory Dietrich Preservation Consulting
Terry Savage, Ecotone
Devin Lander, Grant Manager, Saratoga-Washington on the Hudson Partnership
Joe Finan, Superintendent, NPS
Chris Martin, Integrated Resource Manager, National Parks Service (NPS)
Eric Schnitzer, Saratoga National Historic Park
Nelson Ronsvalle, Grants Coordinator and Representative of the Town of Halfmoon
Timothy Holmes, Friends of Saratoga Battlefield
Sean Kelleher, Town of Saratoga Historian
Linda Palmieri, Town of Stillwater Town Historian

Purpose/Intent of Meeting: Project Initiation Meeting

The meeting commenced at 9:00am on March, 18, 2011 at the Town of Saratoga Town Hall and included a site visit to the project area and afternoon workshop in Town Hall.

General Agenda:

1. Welcome and gathering at Town Hall
2. Site visit to Schuyler House – Led by Joe Finan and Sean Kelleher
3. Site Visit to Sword Surrender Site – Led by Joe Finan and Chris Martin
4. Overview of Surrender Ceremony and related events of the Battles of Saratoga, National Historic Park (NHP)
5. Afternoon Workshop – Led by Brit Basinger, Saratoga Associates
6. Presentation of key findings from the Cultural Landscape Inventory (group)
7. Overview and goals of the Cultural Landscape Treatment Plan – Saratoga Associates
8. Workshop to develop initial observations related to the Site and project deliverables

Meeting Summary:

Workshop Meeting Notes

March 18, 2011

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1. Welcome and opening remarks by Brit Basinger, Saratoga Associates and Joe Finan, Saratoga NHP including purpose of site visits, workshop and project goals and objectives.
2. Workshop committee traveled to the Schuyler House and New York State Department of Transportation (NYSDOT) lot (approx. 9-acres to be donated to the NPS in the future) to discuss community context, connections, historic sites and location of structures, current land uses and agricultural operations. Group discussion encompassed connection to the site from the Schuyler house to the Sword Surrender Site along the historic Canal Towpath. Additional dialogue occurred regarding the following topics:
 - Connections to future bike routes planned along the Hudson River.
 - Access to the Hudson River.
 - Pedestrian connections to existing and planned trails within the project area.
 - Interpretive opportunities along the towpath trail connection, including identification of historic fortifications, Dutch Reformed Church, Victory Woods, encampment locations, routes of troops to Saratoga Battlefield and early settlement patterns and influences.
3. Sword Surrender Site Visit and historic event overview led by Joe Finan, Chris Martin and Eric Schnitzer of Saratoga NHP. Presentation included history of the project, land acquisition, historic accounts of the Surrender Ceremony and influences of the site form adjacent land uses. Additional discussions related to the following topics:
 - Current agricultural operations in the floodplain.
 - Connection from the site to the Hudson River.
 - Connection from the site through Victory Mills and Fish Creek Trails.
 - Schematic screening of non-historic views of adjacent incompatible land uses including nearby homes.
 - Removal of successional and ornamental vegetation.
 - Use of vegetative screening to buffer offsite views.
 - Location and size of parking for the site.
 - Use of three flags as a standard established in local pocket parks.
 - Use of sustainable and low maintenance materials for the memorial.
 - Links to adjacent trail networks.
 - Interpretive opportunities – varied opportunities.
 - Likely character of the landscape in 1777 – perhaps similar to current conditions in that it is farmland converting to woodlands – agricultural use of the floodplain is a constant condition since early settlement.
 - Establishing a site character that inherently celebrates the history of the site and reflects upon the ceremony's significance in US and World history.
4. After presentations provided by members of the NHP, the group conducted a walking tour of the project area to gain a first-hand understanding of existing conditions, site character, opportunities and challenges.

Workshop Meeting Notes

March 18, 2011

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5. Upon completion of the visit to the Sword Surrender Site, the group toured the project area by car and was provided with notations from NHP members regarding applicable influences, opportunities and relationships to the project area.
6. The afternoon workshop was held in the Town of Saratoga Town Hall. The workshop focused on two primary segments including an overview of the Cultural Landscape Inventory prepared by Olmsted Center and a workshop to develop a framework for the Cultural Landscape Treatment Plan. The afternoon session primarily focused on the following topics:
 - a. The Partnership's goals for the project:
 - Enhance preservation of viewsheds and cultural and scenic resources in the vicinity of Saratoga NHP.
 - Schematic screening of non-historic views.
 - Removal of successional vegetation.
 - It is understood that rehabilitation is a primary objective for the Cultural Landscape Treatment Plan based on directives from the American Battlefields Preservation Program (ABPP). This enables the retention of the site's and project area's character-defining features, while also enabling new developments to aid in the public's understanding of the site.
 - b. Overall Character of the Improvements:
 - Over-arching theme and appearance should create a setting that offers a powerful experience for the visitor.
 - The site improvements should give the visitor a sense of what the place is about.
 - Based on the lack of documentation of the layout and site conditions.
 - The iconic painting by Trumbull is one of the most descriptive depictions of the character of the site in 1777.
 - c. Identification of Site Influences:
 - Unique elements/context/challenges.
 - Open landscape in the location of the Surrender Ceremony site.
 - Upland position provides views of the valley and Hudson River.
 - Association with Scenic Byways and Lakes to Locks and other varied local and regional initiatives.
 - Adjacent residential uses.
 - Views from Rt.4.
 - d. Landscape Character:
 - Relationship to the Hudson River's role in the Battles.
 - The Surrender site's contextual role and location relative to the Battles of Saratoga.
 - The Hudson River and the Road to Albany.

Workshop Meeting Notes

March 18, 2011

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- Although the focus of site development will likely occur at the known site of the ceremony, the remainder of the site can be utilities for passive recreation primarily including trails. For example, there is a prominent bluff to the south of the Surrender Site which may offer pleasant views of the Hudson River and valley.
 - Some positive attributes of the site include the following: open character and views, its elevated prominence in the landscape setting, views of the river, accessibility, natural setting, archeological resources, future connections to the Hudson River Greenway, canal connections, local and regional trail access, access to Rt.4.
 - The existing historic marker identifying the site c. 1910.
 - Visible historic road trace.
 - Removal of inappropriate volunteer growth as a means to re-introducing views to the Hudson River, north and south of the site.
 - Screening:
 - The neighboring residential properties will be a key element in creating a site that establishes a fitting tribute to the Surrender Site.
 - Negative visual impacts cannot detract from the visual importance of the site.
 - Isolating and screening the parking is an important aspect of creating a visually compelling Sword Surrender memorial.
 - Screening of Rt. 4 traffic should be achieved in a sensitive manner to buffer views of cars and associated road noise. Low earthen-mounds and low vegetation could address this issue.
- e. Key Views and Vistas:
- Screening of non-historic views, framing positive views, promoting views of the Hudson River.
 - Removal of successional vegetation.
 - Views of the Road to Albany and its relationship to the Surrender Ceremony.
 - Screening the parking area, screening nearby residences.
 - Views to and from the memorial.
 - Protect and promote sensitive agricultural operations of the floodplain area between the Hudson River and the Sword Surrender Site.
 - Create an overlook below the site, near the confluence of the historic Champlain Canal and Rt.4 that will serve to bring visitors into the site.
 - Other efforts will be required to identify the site and draw visitors to the site.
- f. Circulation:
- The site's role in creating community connections to other existing and planned trails and historic sites.
 - Connections to community open space amenities.

Workshop Meeting Notes

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- Establishing a project area circulation/trail system. This includes the Open Space Institute (OSI) parcel and the broader project area as defined in the Cultural Landscape Inventory.
- Providing an interpretive walkway within the project area that creates opportunities for passive recreation and interpretation.
- There is a potential to connect the site access road from Schuler Street to Rt.4 north around the existing home back to Rt. 4.
- Utilize remnants of the Canal Towpath as a means to connect to the Schuyler House historic site and existing Fish Creek trails.
- Create an appropriate trail connection the Hudson River and its role as a blue-way trail.
- Create an opportunity to access the site from the Hudson River.
- Potential to create a trail connection between the Schuyler House and Victory Woods.
- Continue to build upon the Alternative Transportation Study to further advance the goals of the study and promote pedestrian connections in the locality.
- The initial goal is to provide parking for 3-4 cars. The area required to provide for a larger parking area should be considered to allow for future growth.

g. Interpretive Opportunities:

- Interpretive elements on the site should focus on three main themes as follows:
 - The events that brought the British and American troops to this site.
 - Why these events occurred.
 - The results of the surrender.
 - How it happened.
 - Why it happened here.
 - What happened as a result.
 - Fates of both armies.
 - On-going aspects of the Revolutionary War.
 - Worldwide impact of the British surrender.
 - Focus on what this site symbolizes.
- There is great potential to celebrate Saratoga's role in the history of the world after 1777. The site must interpret and evoke this feeling to be successful.
- Address an appropriate level of reference to the site and its role in history and the turning point of the Revolutionary War.
- Although there is a great deal of information to interpret, the primary challenge may be the distillation of a primary focused topic.
- Primary topics should include the Sword Surrender Ceremony and its importance within US and World history.
- Primary topics including the surrender of the British to American Troops as well as an instrumental event in the birth of the US.
- The site must embrace the feeling of both an end of the battles and the beginning of a nation.

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- Interpretive elements should primarily be located at the intersection of Rt.4 and Schuyler Street.
 - The role of the Hudson River and the Road to Albany/Rt.4 served in the Battles of Saratoga and Sword Surrender Ceremony should be highlighted.
 - Interpretation could address, but is not recommended to include the following: native populations, settlement history, industrial revolution, transportation, trolley, Canal and towpath, and natural ecosystems.
 - Potential to utilize the wetland system in the southeast portion of the project area for interpretation, education and nature trails.
 - Potential to utilize the woodland areas in the southern portion of the OSI parcel for woodland interpretive trails.
- h. Memorial Considerations:
- The primary focus should memorialize the Sword Surrender Ceremony.
 - Battles of Saratoga.
 - Birth of a nation.
 - Design characteristics that reflect the Saratoga NHP.
 - The memorial should be scaled in context with the surroundings and also consider other local monuments including the Saratoga Monument.
 - Area historic sites and area pocket parks.
 - The memorial should be designed with sustainable materials.
 - Serve as a venue for ceremonial events.
 - The site is one of the most suitable places where people can best perceive the outcome of the Battles of Saratoga in 1777. The landscape character within this viewshed, especially of the Hudson River, provides an existing landscape framework for a ceremonial memorial. Panoramic views looking east have changed little since 1777.
 - The famous painting by Trumbull is most prominently associated with the Sword Surrender Ceremony in our culture and should be incorporated as part of a memorial planned for the site. It is known as one of eight paintings located in the US capital depicting the founding of America.
 - Materials for the memorial should be sustainable and durable and might include stone and bronze.
 - The memorial should be simple yet powerful and should focus on maintaining the authenticity of the site.
 - The international repercussions of the Surrender of the British at Saratoga were indeed profound. Upon learning of the surrender, the French joined with Americans and were joined by many of their allies. This then meant that the “world” was fighting against the British Empire and she was defending herself against her colonies around the world. The result is that the British were defeated around the world, including the American Revolutionary War, and permitted the freedoms we enjoy today.

Workshop Meeting Notes

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- Perhaps a well-known experienced artist could provide assistance in designing the memorial. Joe Finan, Tim Holmes, Eric Schnitzer and Sean Kelleher to provide additional information.
 - Whatever the final design evolves to be, it should possess a branding capacity that reflects other famous sayings, perhaps like “the shot heard around the world”. It needs to provide a succinct poetry and “headline-capacity” that is powerful and memorable.
- i. Recreation Access:
 - The Sword Surrender Site and project area should be unified with area trails and community open-space amenities
 - The site should be maintained as an open-space resource for a variety of purposes including the following: trails, natural landscape preservation, preservation of viewsheds and access to the Hudson River.
 - j. Unified Appearance and Branding:
 - Character and appearance of the site area development should reflect the other local historic sites to support a unified ‘branding’ of area attractions including the Saratoga NHP and the Schuyler House.
 - Design, materials, signage and trail materials all combine to establish a unified character with other local sites and interpretive elements.
7. Other topics discussed during the workshop include the following topics:
- Creation of a mission statement to establish the goals for the visitor’s experience. This would assist in defining the framework for site development decisions as the Cultural Landscape Treatment Plan and guidelines are prepared and help to establish a common vision among key project constituents.
 - Based upon discussions related to interpretive opportunities, it is apparent that the site development should be focused to achieve a singular and powerful experience that relates to the role of the site in the Battles of Saratoga. It is important that site development does not attempt to address or accomplish too many goals that may result in saturating the message and meaning of this site. The site should not be all things to all people.
 - There is great potential for this site to serve as the “finale” for the visitor’s experience.
 - Some challenging aspects of the site include the following:
 - Adjacent development and encroaching driveways from an existing home.
 - Drainage from higher elevations to the west.
 - Views of the closest homes - especially the large home to the west that should be screened with vegetation.

Workshop Meeting Notes

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- Successional vegetation should be removed and parking should be visually buffered from the monument and primary gathering and interpretive areas.
 - Access across Rt.4 will be challenging.
 - There is a need to improve and advance signage.
- Initial recommendations for the project area:
 - Preserve the agricultural uses in the floodplain area between Rt.4 and the Hudson River.
 - Preserve the wetland area in the southeastern portion of the project area for interpretation and ecological education trails.
 - Preserve the woodland area in the southern portion of the OSI Parcel, allow for successional woodland growth and future trails.
 - Promote sensitive development of the Hamlet Smithville.
 - Promote the advancement of streetscape improvements along Schuyler Street to enhance pedestrian connections to the Village of Victory and Fish Creek trails.

Action Items:

1. Joe Finan is in the process of coordinating utilization of the historic towpath from the Schuyler House to the Sword Surrender Site for pedestrian access. Potential agreements with the New York State Office of General Services (NYSOGS) to clear the towpath include coordination with the New York State Office of Parks, Recreation, and Historic Preservation (NYSOPRHP).
2. Coordinate potential trail connections with Canalway Trail Action Plan. Contact Karl Beard, NPS in Hyde Park for further details.
3. Review Harper's Ferry NPS web site to gain a full understanding of wayside signage opportunities.
4. Saratoga Associates should review Knox Trail products and recommendations that include recent improvements to Stark's Knob. Materials to be provided by Joe Finan.
5. Saratoga Associates to review the Alternative Transportation Plan as provided by Joe Finan.
6. Preparation of the Draft Management and Cultural Landscape Treatment Plan by Saratoga Associates.
7. Perhaps a well-known experienced artist could provide assistance in designing the memorial. Joe Finan, Tim Holmes, Eric Schnitzer and Sean Kelleher to provide additional information. These might include Pamela Patrick White, Gerry Hamilton(?) and Don Troiani.

<p>If the meeting notes are not complete, accurate, or in context, please notify the sender of this document Saratoga Associates of such discrepancy within ten days following receipt of this record.</p>
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Appendix G: Public Meeting Notes

Meeting Notes

Project Name: Sword Surrender Site Development and Cultural Landscape Treatment Plan

Project #:

Meeting Title: Public Meeting

Date and Time: June 27, 2011

Attendees: Brit Basinger, RLA, Saratoga Associates
Devin Lander, Project Manager and Grant Manager
Project Subcommittee Members
Interpretive Committee Members
Members of the Historic Saratoga-Washington on the Hudson Partnership
General Public

Purpose/Intent of Meeting: Project Initiation Meeting

The public meeting commenced at 11:00am on June 27, 2011 and was conclude by 12:30pm and was held at the Town of Saratoga Town Hall.

General Agenda:

1. Welcome
2. Presentation Overview
3. Presentation
4. Comment and Discussion Period

Presentation Outline:

1. Welcome and opening remarks by Brit Basinger, Saratoga Associates and Joe Finan, Saratoga NHP including purpose of site visits, workshop and project goals and objectives.
2. Project Introduction
 - a. Introduction of studies and efforts that fostered the undertaking of this project
 - b. Funding agents, project management and identification of subcommittees
 - c. Overview of project Objectives and Directives
3. Specific Project Objectives and directives as outlined within the CLI and by the Historic Saratoga-Washington on the Hudson Partnership (The Partnership)

Public Meeting Notes

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4. Introduction of the project consulting team
5. Primary basis for the project background information
 - a. Saratoga National Historical Park, General Management Plan 2004
 - b. Saratoga National Historical Park, Alternative Transportation Study – Phase II 2005
 - c. Battles of Saratoga Preservation and Viewshed Protection Plan 2005
 - d. Cultural Landscape Inventory for Sword Surrender Site and Setting 2008
 - e. Stewardship Plan 2010
6. Description of Project Setting and Site for orientation purposes
7. Description of the project scope of work
8. Description of the project schedule
9. Overview of the Project Area History as presented within the CLI
 - a. Prehistory and Early Settlement prior to 1777
 - b. March to Albany and General Burgoyne's Surrender (Autumn 1777)
 - c. Post British Surrender at Saratoga and the Rural Economy (1778-1877)
 - d. Rural Economy to the Pre-World War II Economy (1877-1938)
 - e. Pre-World War II Economy to the Present (1938-2008)
10. Presentation of existing cultural and historic resources as outlined in the CLI
11. Presentation of existing conditions photographs
12. Presentation of existing conditions survey prepared for the Open Space Institute Parcel
13. Identification of Setting and Site features and conditions including:
 - a. Land uses
 - b. Topography
 - c. Vegetation
 - d. Unique characteristics, challenges and attributes
 - e. Views and viewsheds
 - f. Overall landscape character
 - g. Access, circulation, existing and proposed trails
 - h. Recreation opportunities and influences
 - i. Other area historic sites and points of interest
 - j. Project area circulation and trails
 - k. Proposed site circulation and trails

Public Meeting Notes

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14. Presentation of Sword Surrender Site Development opportunities including:
 - a. Use of materials
 - b. Signage and orientation
 - c. Interpretive and educational elements
 - d. Site furnishings
 - e. Design character and theme
 - f. Review of existing Saratoga National Historical Park character and amenities
 - g. Memorial Counterparts including:
 - i. Minute Man National Historical Park
 - ii. Wright Brothers National Memorial
 - iii. Roger Williams National Memorial
 - iv. Fort Caroline National Memorial
 - v. Lyndon Baines Johnson Memorial Grove on the Potomac
15. Presentation of Design alternatives
16. Presentation of preferred site development concept plans, graphics, character and features
17. Presentation of Interpretive opportunities (memorial wall, kiosk and marquee)
 - a. Mission Statement
 - b. Location of interpretation elements
18. Memorial design characteristics and content
19. Overview of the remaining tasks to complete the project
20. Future actions required to implement the project including
 - a. Archeological investigations related to the primary sword surrender site development area and the road trace area
 - b. Acquire project funding
 - c. Further design refinement and development of specific interpretive message
 - d. Local project approvals and permitting
 - e. Implementation
21. Identification of two week open comment period.
22. Conclusion of presentation.

Public Meeting Notes

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Upon concluding the presentation the meeting was opened to comment from the public. The following question and comments were presented.

1. When will is the project scheduled to be constructed?
2. Who will be responsible for maintaining the property?
3. How much will it cost to construct?
4. Who will be responsible for safety and security?
5. Will the proposed screening completely prohibit the views from the neighboring house on the northwestern property line? (Neighbor is concerned that the proposed buffer plantings will block their eastern views)

Summary:

The project was well received by the meeting participants. Most of the questions related to the timing, cost and maintenance for the long-term management of the site. The neighbor located on the northwest property line had significant concerns regarding potential disruption the existing eastern views.

No additional comments were received during the two week comment period.

If the meeting notes are not complete, accurate, or in context, please notify the sender of this document Saratoga Associates of such discrepancy within ten days following receipt of this record.

Appendix H: Investigator Qualifications

Brit G. Basinger, ASLA

Director of Landscape Architecture / Senior Associate

Project Role

Project Manager

Years of Experience: 18

Years with Firm: 10

Education

Bachelor of Landscape Architecture

Michigan State University. 1992

Registration /Certification

Michigan – License # 001243

New York – License # 001703

Professional Organization /Affiliations

American Society of Landscape

Architects, Member

Town of Northumberland Planning

Board, Vice Chairman

Professional Experience

With over 18 years of experience as a landscape architect, Brit brings a seasoned approach to projects that relate to long-term master planning, community visioning, programming, site design, and project management. His areas of expertise include land planning, streetscape design, corporate facility master planning, land use and community planning, campus planning, residential community design, economic redevelopment strategies, recreational design, environmental preservation strategies and planned developments.

Brit has worked with municipal review boards, government agencies, community and special interest groups, and corporations to create meaningful design solutions that provide context-sensitive assets to local communities and regions in which the projects are located.

Representative Experience

- > **Arts Center at Old Forge, Old Forge, NY**
Lead Site Designer responsible for creating a community arts facility that responded to a unique setting in the Adirondack Park utilizing LEED rating system. Site design included preservation of specimen trees, incorporating naturalized water quality treatment, solar receptors and geo-thermal system.
- > **West Brook Environmental Park, The Fund for Lake George Lake George, NY**
Project Manager/Lead Designer responsible for designing a 12-acre environmental park including stormwater quality improvements, wetland restoration, stream relocation and recreational amenities on the south basin of Lake George.
- > **Yulman Property Dredging, Bolton Landing, NY**
Lead Landscape Architect responsible for developing a native landscape buffer to improve the quality of run-off entering Lake George.
- > **First Wilderness Heritage Corridor, Inter-Municipal Redevelopment Strategy, Warren County, Warren County, NY**
Project Manager/Lead Urban Planner/Site Designer responsible for developing unique visions for seven communities located along the northern Hudson River. Individual projects included waterfront parks, hamlet redevelopment strategies, greenway trails, train station redevelopment, tourism accommodations and a variety of mixed-use infill development coordinated through a regional market analysis and inter-municipal redevelopment plan.
- > **East and West Parks Master Plan, Village of Norwich, NY**
Project Manager/ Lead Designer for two prominent historic parks located in the central business district of the community.

- > Mohawk Pedestrian Bridge, City of Amsterdam, Amsterdam, NY
Lead Landscape Architect/Park Designer responsible for designing a pedestrian bridge over the Mohawk River that connects two important districts within the City of Amsterdam including the downtown business district, future Mohawk River greenway and an existing waterfront park and primarily includes plantings to achieve a park and plaza components setting for viewing of the river.
- > Saranac Lake District Revitalization and Visioning
Village of Saranac Lake, Saranac Lake, NY
Project Manager/Lead Urban Designer responsible for creating a holistic vision for the redevelopment and revitalization of five districts within the Village of Saranac Lake including a linear riverfront park, hotel and conference center, residential neighborhood expansion, regional educational center and arts district, streetscape improvements, and waterfront park expansion and improvements.
- > Albany County Airport Runway Expansion, Albany County Airport
Latham, New York
Project Manager/Landscape Architect responsible for developing a landscape beautification project related to a runway expansion project and designed to meet FAA requirements and served as a roadway beautification project for a major regional transportation arterial.

Ronald J. Mogren, RLA
Senior Associate

Project Role

Landscape Architect

Years of Experience: 30

Years with Firm: 23

Education

*Bachelor of Landscape Architecture,
SUNY College of Environmental Science
and Forestry, 1980*

*Bachelor of Science in Environmental
Studies, SUNY College of Environmental
Science and Forestry, 1979*

Registration /Certification

New York – License # 001126-1

Florida – License # 1085

Professional Experience

Ronald Mogren brings nearly 30 years of experience to the Saratoga Associates. He is well versed in the management and preparation of site development plans and construction documents. He also manages the preparation of technical specifications and cost estimates and performs site inspections to ensure compliance with design plans. "I draw satisfaction from overseeing the successful completion of large scale site development projects such as the athletic facilities at St. John Fisher College, the Lake Walk and Streetscapes in the Village of Lake George, and the pedestrian ways at Hamilton College."

Ronald's experience in recreational and athletic facility design has encompassed numerous projects featuring synthetic and natural turf football, baseball, soccer, and lacrosse fields. He has also designed numerous track and tennis facilities. Most notably, he has designed and restored over 15 parks with the New York City Department of Parks and Recreation.

Representative Experience

- > Girl Scouts of Northeastern New York Camp Development Master Plan Northeast Region, NY
Landscape Architect for the development of a master plan to assess the camp property and development potential.
- > Granville Little League Athletic Fields Master Plan, Granville, NY
Project Manager for the development of a master plan for the Athletic Field complex. The 22-acres site included 10 little league baseball fields, concession area, observation decks, picnic area, basketball courts, skate board court, playground and parking areas.
- > AIM Services, Inc. – 6 Bayberry Road, Halfmoon, NY
Project Manager to develop site plans for improvements to a group home. Modifications included ADA compliance to the exterior.
- > Redemptionist - St. Clements Utilities Separation Design Phase, Baltimore Province of Redemptionist Fathers, Saratoga Springs, NY
Project Manager for site design services to separate the utilities so the subdivided parcels are independent of one another.
- > Malta Community Center Enhancements, Town of Malta, NY
Project Manager for the site planning and design related to the expansion of the community center.
- > Brewerton Revitalization, Town of Cicero, NY
Project Landscape Architect for the technical design through construction documents of a riverfront park and streetscape improvements.
- > Lake George Shoreline Walkway and Streetscape Enhancements Village of Lake George, NY
Project Manager for the design through construction of a shoreline walkway and streetscape enhancements along several blocks of the Villages main street - Canada Street.

Jason W. Kersch, ASLA
Senior Associate

Project Role

Landscape Architect

Years of Experience: 14

Years with Firm: 12

Education

*Bachelor of Landscape Architecture
SUNY College of Environmental Science
and Forestry, 1996*

*Associates in Applied Science
SUNY College of Technology at Alfred,
1993*

Registration /Certification

New York – License # 001789-1

Professional Organization /Affiliations

*American Society of Landscape
Architects, Member*

Professional Experience

With twelve years of higher education planning and design experience on over 25 campuses, a Senior Associate with the firm, and a registered Landscape Architect, Jason provides experience in facility assessment and concept documentation, illustration, and project management. Each campus offers a rich history of memorable experiences, a unique set of academic culture and facility needs, and a strategic willingness to educate and influence the future.

Determined to achieve positive measurable results through listening and facilitating, Jason enjoys interacting in a professional, sensitive and stewardship frame of mind, providing practical solutions to issues that are important to the client.

Representative Experience

- > University of Alaska Southeast Sign Study and Design, Juneau AK
Project Manager for development of sign concept alternatives, sign detail drawings, and coordination with sign manufacturer for identification and directional signs
- > Excelsior College Sign Study and Design, Albany NY
Project Manager for development of sign concept alternatives, sign detail drawings, and coordination with sign manufacturer for identification and directional signs
- > Mount Saint Mary College Sign Study and Design, Newburgh, NY
Project Manager for development of sign concept alternatives, sign detail drawings, and coordination with sign manufacturer for identification, directional, parking and regulatory signs
- > Keene State College Sign Study and Design, Keene, NH
Project Manager for development of sign concept alternatives, sign detail drawings, and coordination with sign manufacturer for identification, directional, parking and regulatory signs
- > Hamilton College Sign Study and Design, Clinton, NY
Project Manager for development of sign concept alternatives, sign detail drawings, and coordination with sign manufacturer for identification, directional, parking and regulatory signs
- > Empire Commons, University at Albany, Albany, NY
Landscape Architect/Designer for development of sign concept alternatives, sign detail drawings, and coordination with sign manufacturer for primary and secondary entrance signs
- > Saratoga Race Course, New York Racing Association, Saratoga Springs, NY
Landscape Architect/Designer for development of construction details and administration for primary entrance sign

Sean R. Donohue

Project Role

CAD Technician

Education / Training

CAD Certificate, Hudson Valley

Community College, 2006

Civil 3D Fundamentals, Imaginit, 2007

Erosion and Sediment Control Training,
NYSDEC, 2010

Software Knowledge

AutoDesk Revit 2009

AutoDesk LDT 2005-2009

AutoDesk Arch Desktop 2005-2009

AutoDesk Civil 3D 2007-2008

AutoDesk Inventor 8

AutoDesk VIZ 2007

Microsoft Office Suite

Adobe Photoshop CS2 & CS3

Professional Experience

Sean joined Saratoga Associate in 2006 with a strong technical background in CAD software drafting. He provides drafting support to our architecture, landscape architecture, and civil engineering studios for all types of site development projects. This includes working with the civil engineers and landscape architects to develop site layout plans, grading and drainage plans, erosion and sediment control plans, road and utility profiles, and cut/fill analysis. During project construction, Sean completes weekly and monthly on-site SWPPP inspections to confirm that contractors are implementing Erosion and Sediment Control measures per NYSDEC Standards.

Sean also provides 3-D modeling and visual simulation support to the environmental and regulatory planning studio. 3-D modeling and visual simulation is done using a combination of AutoCAD, Viz and Photoshop.

Representative Experience

- > GE Healthcare Digital X-Ray Production Facility Phase 1 & 2, North Greenbush, NY
Provided CAD support in preparing Construction Documents, as well as performed weekly site SWPPP inspections
- > The Brewerton Revitalization Project, Town of Cicero, NY
Provided CAD support in preparing the NYSDOT Design Report and concept plans
- > Wold Science and Engineering Center, Union College, City of Schenectady, NY
Provided CAD support in preparing Construction Documents, as well as performed weekly site SWPPP inspections
- > Amsterdam Bridge Street Enhancements, City of Amsterdam, NY
Provided CAD support in preparing NYSDOT Design report, Plans and Concept Renderings
- > Amsterdam Riverlink Park Phase II, City of Amsterdam, NY
Provided CAD support in preparing Construction Documents
- > Glen Island Parking & Stormwater Improvements, Westchester County, City of New Rochelle, NY
Provided CAD support in preparing Construction Documents
- > Glenwood Village, Town of Bethlehem, NY
Provided CAD support in preparing Construction Documents
- > Verstandigs Place, Keystone Builders, Town of Bethlehem, NY
Provided CAD support in preparing Construction Documents
- > South Campus & Stormwater Design, Hamilton College, Village of Clinton, NY
Provided CAD support in preparing Construction Documents
- > Hudson Valley Community College, City of Troy, NY
Provided CAD support in preparing Construction Documents

Matthew W. Allen, RLA
Vice President / Principal

Project Role

Visual Impact Analysis Expert

Years of Experience: 27

Years with Firm: 26

Education

*Master of Science Urban and
Environmental Studies, Rensselaer
Polytechnic Institute, 1991 Bachelor of
Landscape Architecture, SUNY College of
Environmental Science and Forestry,
1983*

Registration /Certification

New York - License # 001087

Speaking Engagements/Publications

*"Technical Considerations in Siting Wind
Developments", National Wind
Coordinating Committee, Washington, DC,
November 2005*

*"SEQRA in New York", Lorman Educational
Services, Albany, NY, February 2006, and
Poughkeepsie, NY July 2006.*

*"Visual Impact Assessment Techniques"
New York State Energy Research and
Development Authority, Albany, NY, April
2006*

*"Wind Power, Projects, Opportunities and
Challenges", NYS Bar Association,
Environmental Law Section Fall Meeting,
October 2006*

*"Visual Assessment and Application of the
NYSDEC Visual Assessment Policy"
Community Seminar, Cooperstown, NY,
April 2006*

*"Local Governments. Look at Visual
Impacts", NY Planning Federation,
Saratoga Springs, NY, October 2006.*

Professional Experience

A Registered Landscape Architect with over 25 years of experience in regional, community, and environmental planning, and regulatory permitting. Mr. Allen heads up Saratoga Associates' Visual Assessment and Scenic Resource Management studio. He is a recognized leader in the specialized discipline of visual impact assessment and aesthetic mitigation and is highly skilled in the application of advanced computer-generated visual simulation, animation and viewshed development technology. Mr. Allen served on the peer review team for the landmark 2000 NYSDEC Program Policy concerning visual impact assessment and mitigation and frequently serves as a third party advisor to the NYSDEC, helping state regulators understand and minimize aesthetic impacts associated with large and often controversial development projects. With Mr. Allen's unique expertise, Saratoga Associates is able to assist project sponsors to identify cost effective site selection and design solutions that make a project more compatible with its surroundings, and ultimately easier to permit.

Representative Experience

- > Indian Point Energy Center Closed Cycle Cooling Feasibility Study
Entergy, Buchanan, NY
Principal-in-Charge/Project Manager for the evaluation of potential impact of two highly visible counter-flow, forced draft cooling towers on the resources of the scenic Hudson Highlands region.
- > Hempstead Energy from Waste Facility Expansion Project
Covanta Energy, Westbury, NY
Principal-in-Charge/Project Manager of the assessment and mitigation strategy for a proposed 35MW expansion to an existing energy-from-waste facility in suburban Long Island.
- > Plum Creek Concept Plan, Moosehead Lake Region, ME
Principal-in-Charge/Project Manager of addressing the potential impact on the scenic water bodies of Maine's "North Woods" associated with the rezoning of 20,000 acres of timberland for waterfront residential and resort uses. Expert testimony provided.
- > St. Lawrence Cement Greenport Project, Hudson, NY
Project Manager a visual impact assessment and mitigation strategy, coastal zone consistency compliance for a proposed \$300 million cement manufacturing facility. Expert testimony provided.
- > Victor Commerce Park, Benderson Development, Victor, NY
Principal-in-Charge/Project Manager of the aesthetic impact evaluation and mitigation plan for a 566,000 GSF retail and commercial project.
- > Broadwater Energy, Long Island, NY
Principal-in-Charge/Project Manager of the visual assessment and coastal consistency evaluation of a major offshore floating liquefied natural gas (LNG) terminal

"Overview and Application of the NYSDEC Visual Impact Program Policy", Capital District Engineer's Week, Albany, NY, February, 2009

"Supporting Sustainability Through GIS", American Planning Association - Upstate Chapter, Albany, NY, October 2009

"State of the Art in Wind Siting", National Wind Coordinating Collaborative, Washington, DC, October 2009

The Mid-Atlantic/Southeast Regional Wind Energy Institute (RWEI) Annual Meeting, Baltimore, MD, November, 2009

Publications

Allen, M. W., Benas, R. C., and Bristol, R, F., "Enforceable Sustainability: A Promise Finally Fulfilled? - Challenges faced by traditional power sources may offer insight into wind's future" - published: North American Wind Power, September 2004

Allen, M.W., and Guariglia, J.W., "Development of Advanced Viewshed Analysis to Facilitate Project Siting and Community Decision-making", poster presentation American Wind Energy Association annual conference, Chicago, IL, May 2009

- > Safe Harbor Offshore LNG Facility
Atlantic Sea Island Group, Long Beach, NY
Principal-in-Charge/Project Manager of the visual impact assessment for a deepwater port application of a proposed LNG facility on a man-made island off the coast of Queens, New York.
- > Sparrows Point LNG Terminal, AES, Baltimore, MD
Principal-in-Charge/Project Manager of project visualization services to communicate the aesthetic character of a major LNG port on the industrial waterfront in Baltimore Harbor.
- > New Jersey Offshore Wind Farm, Deepwater Wind, Asbury Park, NJ
Principal-in-Charge/Project Manager of project visualization services to communicate the aesthetic character of an off-shore wind energy facility on coastal resources.
- > The Landing at Kingston and Ulster, AVR Realty, Kingston, NY
Principal-in-Charge/Project Manager of the visual impact assessment for a 2,100-unit housing project.
- > Hounsfield Wind Farm, Upstate NY Power Corp., Hounsfield, NY
Project Designer for a comprehensive visual resource assessment of for a 270MW, 84-turbine wind energy project located on Galloo Island, Lake Ontario, New York.
- > NYS Department of Environmental Conservation Expert Services, Various locations throughout New York State
Project Manager for third-party review and expert witness services for visually sensitive and controversial projects. Projects include Sour Mountain Realty Mine Proposal, Thalle Quarry, Domain Mine, Belleayre Resort at Catskill Park, and Athens Generating Project. Expert testimony provided.
- > Confidential Industrial Project, Upper Midwest Region, United States
Principal-in-Charge/Project Manager of a visual resource assessment for the expansion of an existing heavy industrial facility.
- > Confidential Off-shore Liquefied Natural Gas Terminal
Eastern Seaboard, United States
Principal-in-Charge/Project Manager of the visual assessment of a major offshore floating liquefied natural gas (LNG) terminal.
- > Block Island Offshore Wind Farm, Deepwater Wind, Block Island, RI
Project Advisor for visualization services to communicate the aesthetic character of an off-shore wind energy facility on coastal resources.
- > Niagara Power Project, New York Power Authority, Niagara Falls, NY
Project Designer for comprehensive aesthetic impact assessment and mitigation strategy.

Gordon W. Perkins
Senior Visual Analyst

Project Role

Landscape Designer/GIS Analyst

Years of Experience: 10

Years with Firm: 02

Education

*Bachelor of Landscape Architecture,
State University of New York, Syracuse,
2001*

*Associate in Arts
Keystone College, La Plume,
Pennsylvania,
1998*

Affiliations

*American Society of Landscape
Architects., Member*

Professional Experience

Mr. Perkins has a degree in landscape architecture with a focus on design visualization. With 10 years of experience, Gordon uses two-dimensional (2-D) and three-dimensional (3-D) graphic applications to create visual simulations and effectively communicate design concepts. He is involved in ongoing evaluation and improvement of the technical methodology used in visual impact assessment, including new techniques in data collection, processing, and 3-D modeling.

Representative Experience

- > Hamlet of Brewerton Revitalization, Cicero, NY
Provided mapping, design, and management for a federally funded locally administered project involving streetscape redevelopment, property acquisition, and riverfront park expansion and redesign to improve safety, access, and waterfront character.
- > Daylighting of the Saw Mill River, City of Yonkers, NY
Provided expertise in 3-D modeling to create visualizations of the proposed design. The project will bring the currently channelized Saw Mill River to the surface for passive recreation and enjoyment.
- > Staatsburgh State Historic Site, Planting Plan, Staatsburgh, NY
Created a period appropriate planting plan and graphic presentation for Mills Mansion, a state historic structure built in 1832.
- > Syracuse Center of Excellence, Syracuse, NY*
Provided renderings from architectural and landscape architectural plans depicting new structures and parking lots.
- > Raquette River Recreation Corridor, Upstate, NY*
Created a brochure outlining recreation opportunities on a 50-mile section of the Raquette River. The brochure included the creation of a customized corridor map with graphic depictions of facilities and activities accompanied by graphics and text descriptions.
- > University Avenue, Syracuse, NY*
Provided visualizations for multiple parking and sidewalk treatment design scenarios.
- > Buffalo Streetscape Enhancements, Buffalo, NY*
Created design visualizations to assess four different proposals for streetscape improvements.
- > Mosholu Parkway, Bronx, NY
- > Produced 3-D renderings to demonstrate a road realignment and its impact on existing vegetation and topography.
- > Village of Hamilton Municipal Buildings*
Provided artistic renderings of several new municipal structures including a police substation, a large snow removal equipment structure, and a full landscape improvements plan.

Terry W. Savage, FASLA
Landscape Architect / Planner

Expert Consultant

Terry Savage FASLA, a landscape architect and planner has extensive governmental, private, domestic and international experience in the development and management of a wide range of projects relating to park and recreation, as well as urban design and planning projects. His work has focused on a national resource orientation including feasibility studies, alternative studies, master plans, and development studies for a wide range of park projects.

Terry recently completed over forty years of service to the National Park Service, most recently as Superintendent of Boston National Historical Park located in the Charlestown Navy Yard. He was the third Superintendent of Boston National Historical Park since it was established in 1974 to celebrate and preserve one of America's premier cultural sites "The Freedom Trail" including The Charlestown Navy Yard.

Previously, Terry served as the first Superintendent, starting in 1995, of the NPS Boston Support Office, with a staff of 140, located in Boston, Massachusetts, where he provided professional leadership and management to inter-disciplinary teams rendering support, consultation and advisory services to 80 National Park units and other partners throughout the Northeast from Maine to Virginia. Prior to being named Superintendent at Boston, he finished a detail, lasting nearly a year, as the acting Superintendent of Gateway National Recreation Area in New York. While in this position, he managed a 26 million dollar yearly budget and a staff of up to 600 employees.

During his planning career he worked closely with Congress and its representatives. There he was directly involved with the creation and designation of twelve new units of The National Park system, including Golden Gate National Recreation Area in San Francisco; Frederick Law Olmsted National Historic Site just outside Boston, Massachusetts; Weir Farm National Historic Site in Connecticut; and most recently Marsh-Billings-Rockefeller National Historical Park in Woodstock, Vermont and the Boston Harbor Islands National Recreation Area. For these and other accomplishments, Savage was elected a Fellow of the American Society of Landscape Architects, an honor that has been bestowed on less than one percent of the 40,000 landscape architects in America.

During the 1970's he was a partner with the SWA Group, a landscape architecture firm based in Sausalito, California and received national recognition for his work on the award winning Buchanan Street Malls in San Francisco, California and the General Electric Headquarters complex in Portland, Oregon.

Mr. Savage maintains several professional affiliations. He was recently Trustee and Vice President for Scholarships, Landscape Architecture Foundation He was past president and vice president of the American Society of Landscape Architects Boston Chapter and was chair of the State University of New York at Syracuse University advisory board for the Department of Landscape Architecture and is still active. He also serves on the Boston Municipal Harbor Advisory Committee and served, until recently, on the Federal Executive Board of greater Boston for fifteen years. Additionally, he is active as a founding member of the Friends of the Charlestown Navy Yard and is a trustee of the Hubbard Educational Foundation. He was just appointed as a new Trustee of the Freedom Trail Foundation and is Chair of its newly established preservation grant program. He just completed a term of six years on the Board of Directors of the Boston Harbor Association.

In the fall of 1999, he was presented the Alfred B. Lagasse Medal. The Lagasse Medal the second highest award of the American Society of Landscape Architects. He has served on committees for the National Endowment for the Arts and Humanities in Washington, DC. He has also been a frequent guest lecturer at universities and colleges across the country and was formerly a visiting critic in landscape architecture at Harvard University Graduate School of Design from the mid 1980's until the early 1990's.

Mr. Savage accompanied the Director of the National Park Service and a delegation of professionals and managers to China in May, 1998. The purpose of the trip was to sign an international agreement providing for the accomplishment of cooperative projects in both the U.S. and Chinese National Parks. He advised the Chinese on landscape architecture and planning matters including preservation, conservation and ecotourism strategies including sustainable design. He also provided similar services to Easter Island, Chile in August of 1998 and previous to that in India, Saudi Arabia, England, Canada and Australia.

Mr. Savage served on the National Park Service Sustainability Task Force and was instrumental in organizing a design charrette at Maho Bay in St. John for the next world model of a sustainable ecosystem resort.

During his tenure at Boston National Historical Park, he accomplished more than thirty million dollars in construction and rehabilitation, not including the upcoming construction start of a new National Park Service Visitor Center at Faneuil Hall with a budget of approximately seven million dollars and the extensive rehabilitation of the USS Cassin Young, a WWII Fletcher Class Destroyer that begins in 2010.

Since his retirement from the National Park Service he has been asked to speak about the NPS to Exploritas in its lifelong learning program.

PROFESSIONAL EXPERIENCE

GREGORY DIETRICH PRESERVATION CONSULTING (GDPC) JUNE 2009 –	PRINCIPAL & SOLE PROPRIETOR	CONSULTING FIRM SPECIALIZING IN ARCHITECTURAL HISTORY*, PRESERVATION PLANNING AND LAW, & CULTURAL RESOURCE MANAGEMENT
CULTURAL RESOURCE CONSULTING GROUP (CRCG) JUNE 2002 – MAY 2009	MANAGER, NY OFFICE DIRECTOR, HISTORIC PRESERVATION DEPARTMENT PROJECT MANAGER PRINCIPAL INVESTIGATOR	PERSONNEL/PROJECT MANAGEMENT ENTAILING PROJECT BUDGET OVERSIGHT & ONGOING COMMUNICATIONS WITH CLIENTS, REGULATORY AGENCIES, & ASSORTED STAKEHOLDERS RELATIVE TO INDIVIDUAL PROJECT NEEDS PRIMARY INVESTIGATIVE RESEARCH & REPORT AUTHORSHIP; EXPERT TESTIMONY FORMULATED COMPANY'S STANDARD OPERATING PROCEDURES
LANDMARK WEST! JUNE 2001 – NOVEMBER 2002	PRIMARY AUTHOR	LINCOLN CENTER NATIONAL REGISTER NOMINATION
NEW YORK CITY LANDMARKS PRESERVATION COMMISSION JULY 1999 – SEPTEMBER 2000	ACTING DIRECTOR, HISTORIC PRESERVATION GRANT PROGRAM	MANAGED \$268,000 COMMUNITY DEVELOPMENT BLOCK GRANT-FUNDED RESTORATION PROGRAM OF LOCALLY DESIGNATED PROPERTIES OWNED BY NON-PROFIT AND LOW-INCOME HOMEOWNERS REVIEWED AND ADMINISTERED GRANT APPLICATIONS FOR OVER 30 RESTORATION PROJECTS IN ACCORDANCE WITH NYC-LPC STANDARDS

*Meets Federal qualifications [36 CFR61] for Architectural Historian

EDUCATION

- > M.S. – HISTORIC PRESERVATION – COLUMBIA UNIVERSITY (2003)
- > M.S. – REAL ESTATE DEVELOPMENT – COLUMBIA UNIVERSITY (2003)
- > B.A. – ENGLISH LITERATURE – UNIVERSITY OF CALIFORNIA, LOS ANGELES (1985)

AWARDS

- > AUSTIN, NICHOLS & COMPANY WAREHOUSE LOCAL DESIGNATION COALITION HISTORIC DISTRICTS COUNCIL GRASSROOTS PRESERVATION AWARD (2006)
- > UNION COUNTY PARK SYSTEM CULTURAL LANDSCAPE AND RESOURCE SURVEY NEW JERSEY CHAPTER OF THE AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS RESEARCH AWARD (2005)
- > "AUSTIN, NICHOLS & COMPANY WAREHOUSE" CLEO & JAMES MARSTON FITCH STUDENT PRIZE, COLUMBIA UNIVERSITY GSAPP (2001)

PANELS, PRESENTATIONS & BROADCASTS

- > MODERATOR, "NEW LANDMARKS: MODERN, VERNACULAR AND CULTURAL SITES" BREAK-OUT SESSION, HISTORIC DISTRICTS COUNCIL PRESERVATION CONFERENCE, NYC (2010)
- > GUEST, "THE NEW LOOK OF LINCOLN CENTER," WNYC'S "SOUNDCHECK," NYC (2009)
- > MODERATOR, "TOOLS OF THE TRADE: PRESERVATION PRACTICES FOR THE NEXT GENERATION" HISTORIC DISTRICTS COUNCIL PRESERVATION CONFERENCE, NYC (2008)
- > PRESENTER, "A PRIMER ON NEW YORK CITY LANDMARKS LAW AND THE LANDMARKS PRESERVATION COMMISSION" LANDMARK WEST! REAL ESTATE BROKER PRESERVATION SEMINAR, NYC (2006/2007)

- > PANELIST, "ADAPTIVE RE-USE AND HISTORIC TAX CREDIT INCENTIVES" COLUMBIA UNIVERSITY M.S. REAL ESTATE DEVELOPMENT PROGRAM ROUNDTABLE, NYC (2005/2007)
- > PRESENTER, "OLMSTED IN THE 20TH CENTURY: TRACING THE EVOLUTION OF THE UNION COUNTY PARK SYSTEM AND ASSESSING ITS SIGNIFICANCE" NEW JERSEY CHAPTER OF THE AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS ANNUAL CONFERENCE, ATLANTIC CITY, NJ (2005)
- > PANELIST, "HOMEOWNER SEMINAR: FUNDING SOURCES FOR HISTORIC PRESERVATION PROJECTS" - MINORITY CONTRACTORS & REAL ESTATE PROFESSIONALS CONFERENCE, NYC (2000)

PROFESSIONAL AFFILIATIONS AND ADVOCACY

- > HISTORIC DISTRICTS COUNCIL ADVISOR & BOARD MEMBER (2006-)
- > LANDMARK WEST! WISH LIST COMMITTEE (2007-)
- > PRESERVATION ALUMNI, INC., COLUMBIA UNIVERSITY (1999-)
- > SOCIETY OF ARCHITECTURAL HISTORIANS (2008-)

SELECT PROJECT EXPERIENCE

Gregory Dietrich Preservation Consulting

- > 133 East 80th Street Corporation – 133 East 80th Street, New York, NY National Register Nomination.
- > Rockleigh Borough Historic Preservation Consulting, Rockleigh, NJ Ongoing consulting services to review and comment on new development and alteration applications in order to ensure compliance with the Borough's historic preservation ordinance.
- > Westwood Township Historic Preservation Consulting, Westwood, NJ Ongoing consulting services to review and comment on new development and alteration applications in order to ensure compliance with the Township's historic preservation ordinance.
- > 43-44 West 86th Street Preservation Community - 43-44 West 86th Street, New York, NY Letter evaluation and consulting services.
- > Associated Cultural Resource Consulting – Richter House, Danbury, CT State Register Nomination.
- > Pepco Holdings, Inc. – 156 Q Street, Washington, D.C. Letter evaluation and consulting services.

Cultural Resource Consulting Group

- > New York Congregational Center for Community Life – New York Congregational Home for the Aged, Brooklyn, NY National Register Nomination.
- > Carlton Hobbs LLC - 60 East 93rd Street, New York, NY Preservation easement application for federal tax credit.
- > Union County Freeholders - Union County Park System, Union County, NJ Cultural Landscape/Resource Survey to assess the significance of the park system and its individual units.
- > Brooklyn Navy Yard Development Corporation – Officers' Houses, Brooklyn Navy Yard, Brooklyn NY HABS Level II Documentation - Recordation of a historic row of townhouses for federal compliance.
- > Cherokee Northeast – Former Kings Park Psychiatric Center, Suffolk County, Long Island, NY Phase IA Cultural Resource Reconnaissance – Evaluation of historic architectural properties.
- > Commerce Bank – 2 Wall Street, New York, NY Alternatives Analysis and HABS Level II Documentation – Evaluation and recordation of historic bank building for federal compliance.
- > Conectiv Power Delivery – Ocean, Burlington, Atlantic Counties, NJ Phase IB-II Cultural Resource Investigation and Mitigations – Evaluation of historic architectural properties within a ½-mile radius for a 34-mile transmission alignment for state environmental compliance.
- > US Home Corporation – Indian Hill Subdivision, Westchester and Putnam Counties, NY Phase IB Cultural Resource Investigation – Evaluation of historic architectural properties for SEQRA compliance.
- > K. Hovnanian – Hamptonburg, Orange County, NY Phase IB Cultural Resource Investigation – Evaluation of historic architectural properties for SEQRA compliance.
- > K. Hovnanian – Washingtonville, Orange County, NY Phase IB Cultural Resource Investigation – Evaluation of historic architectural properties for SEQRA compliance.

- > The Heptagon Building, 147-153 Waverly Place, New York, NY Preservation easement application for federal tax credit.
- > Rockleigh Borough Historic Preservation Consulting, Rockleigh, NJ Ongoing consulting services to review and comment on new development and alteration applications in order to ensure compliance with the Borough's historic preservation ordinance.
- > Trinity Episcopal Church, Woodbridge, NJ National Register Nomination.
- > US Home Corporation – Greenbriar at IndianHill, Westchester & Putnam counties, NY Phase IB study for a proposed single-family dwelling subdivision. Study entailed assessments of both historic houses and the Taconic State Parkway, a designated NY State Scenic Byway.
- > Commerce Bank – Northport, Long Island, NY Evaluation and testimony concerning historical significance of proposed bank site.
- > Hilltop Property, North Caldwell and Caldwell Boroughs & Verona Township, Essex County, NJ Phase IB Cultural Resource Survey – Evaluation of historic properties within the area of potential effects.
- > 110 and 111 First Street, Jersey City, NJ Evaluation and testimony concerning historic significance of factory buildings in the Jersey City Warehouse District.
- > Carnegie Hill Neighbors – Hellgate Hill Historic District, New York, NY Historic architectural investigation of potential historic district extension.
- > Monmouth County Engineers – Bridge O-10, Ocean Township, Monmouth County, NJ Phase IB-II evaluation of historic architectural properties and the potential effects of a bridge replacement on them.
- > Schoor DePalma - St. Mary's Abbey Woods at Delbarton, Morris Township, Morris County, NJ Phase IA Cultural Resource Reconnaissance – Evaluation of historic architectural properties.

Historic Preservation Grant Program, New York City Landmarks Preservation Commission

- > Bartow Pell Mansion – French doors restoration
- > Guyon-Lake-Tysen House – Wood siding/window/Dutch door restoration
- > Van Cortlandt Manor – Repointing of fieldstone masonry
- > Brooklyn Historical Society – Clock tower/slate roof restoration
- > Cooper Union – Reconstruction of brownstone foliate bosses
- > Williamsburg Art & Historical Center – Restoration of wooden clock dormer

Appendix I: Probable Cost Estimate

Cost estimate

Project Name: Sword Surrender Site

Project Number: 11004

Estimated By: RIM

Checked By: BGB

Date: 09-15-11

SARATOGA ASSOCIATES

Landscape Architects, Architects,
Engineers, and Planners, P.C.

NEW YORK CITY > SARATOGA SPRINGS > SYRACUSE

Item #	Description	Qty.	Unit	Price	Subtotal	Sum Total
Professional Services						
1	Compliance with Historic Preservation Act Chapter 106	Allow	LS	\$20,000.00	\$20,000.00	
2	Finalizing of Construction Documents	Allow	LS	\$60,000.00	\$60,000.00	
						\$80,000.00
General Requirements						
3	Mobilization/Insurance	1	LS	\$12,000.00	\$12,000.00	
4	Survey (layout)	1	LS	\$2,500.00	\$2,500.00	
						\$14,500.00
Erosion Control						
5	Sediment control fence	375	LF	\$8.00	\$3,000.00	
6	Tree protection fence	110	LF	\$6.00	\$660.00	
						\$3,660.00
Site Clearing and Demolition						
7	Remove trees and grub stumps	0.70	AC	\$8,500.00	\$5,950.00	
8	Clear and grub brush	2.20	AC	\$4,500.00	\$9,900.00	
9	Remove misc. debris	1	LS	\$2,000.00	\$2,000.00	
10	Abandon dirt roadway	1	LS	\$1,000.00	\$1,000.00	
						\$18,850.00
Earthwork						
11	Strip, store and spread Topsoil	250	CY	\$25.00	\$6,250.00	
12	Cut to fill subgrade	1	LS	\$7,500.00	\$7,500.00	
						\$13,750.00
Storm Water Management						
13	Bioretention Area	1	LS	\$3,500.00	\$3,500.00	
						\$3,500.00
Pavements and Walls						
14	Porous Asphalt Pavement	850	SY	\$45.00	\$38,250.00	
15	Concrete Pavement	500	SY	\$55.00	\$27,500.00	
16	Grass Pavers	30	SY	\$35.00	\$1,050.00	
17	Stone Dust walk	780	SY	\$15.00	\$11,700.00	
18	Seat Walls	Allow	LS	\$20,000.00	\$20,000.00	
19	Display Wall (Structure with Façade)	Allow	LS	\$75,000.00	\$75,000.00	
20	Granite Stone Display Panels	Allow	LS	\$40,000.00	\$40,000.00	
21	Brass Plaque	Allow	LS	\$50,000.00	\$50,000.00	
22	Tensile Structures	Allow	LS	\$125,000.00	\$125,000.00	
						\$388,500.00
Site Furnishings						
23	Entry Sign	Allow	EA	\$25,000.00	\$25,000.00	
24	Kiosk	Allow	EA	\$6,500.00	\$6,500.00	
25	Removable Steel Bollards	3	EA	\$1,000.00	\$3,000.00	
26	HC Sign	1	EA	\$500.00	\$500.00	
27	Worm Fence	200	LF	\$25.00	\$5,000.00	
28	Crosswalk Striping	1	LS	\$500.00	\$500.00	
						\$40,500.00
Landscaping						
29	Deciduous trees	11	EA	\$1,000.00	\$11,000.00	
30	Flowering trees	15	EA	\$500.00	\$7,500.00	
31	Evergreen trees	24	EA	\$500.00	\$12,000.00	
32	Shrubs	146	EA	\$60.00	\$8,760.00	
33	Bark mulch	1	LS	\$500.00	\$500.00	
34	Lawn seeding	1	LS	\$2,000.00	\$2,000.00	
35	Wildflower seeding	1	LS	\$5,000.00	\$5,000.00	
36	Future Native Woodland Plantings	1	LS	\$25,000.00	\$25,000.00	
						\$71,760.00
				Sub-Total		\$635,020.00
Contingency						
37	Contingency Allowance	1	LS	\$65,000.00	\$65,000.00	
						\$65,000.00
				Total		\$700,020.00