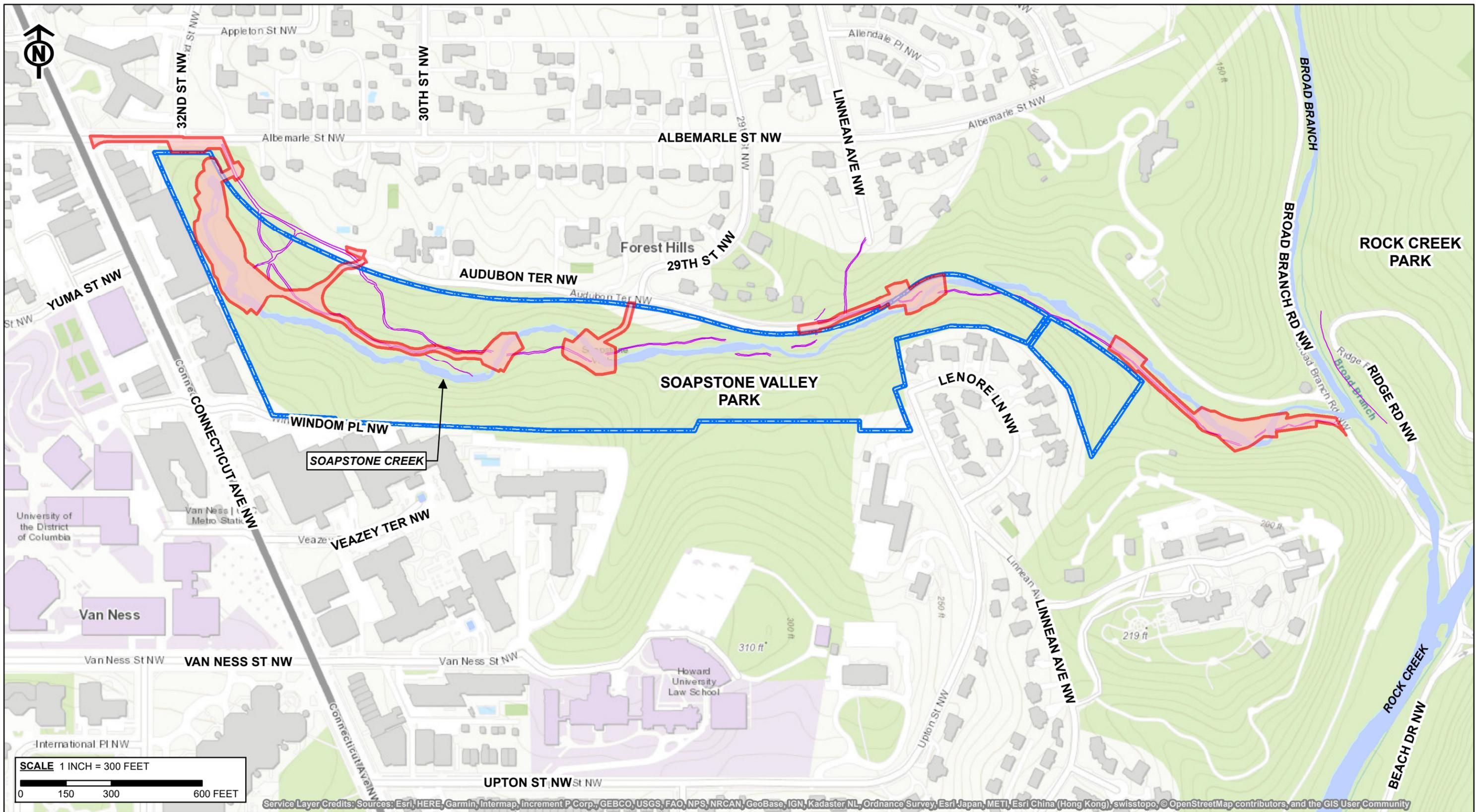


Appendix B:

Figures



LEGEND

- STUDY AREA
- NPS PROPERTY BOUNDARY
- SURVEYED TRAIL
- WATERWAY



NOTES

- THE STUDY AREA SHOWN CONTAINS THE TRENCHLESS ALTERNATIVE.

SOURCES DC GIS. 2011. *NPS Park Boundary*. Washington, D.C. Study Area and Trail provided by Hazen and Sawyer.

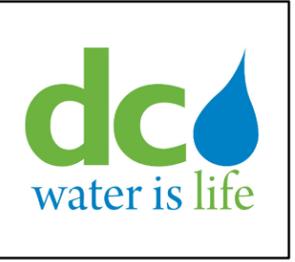
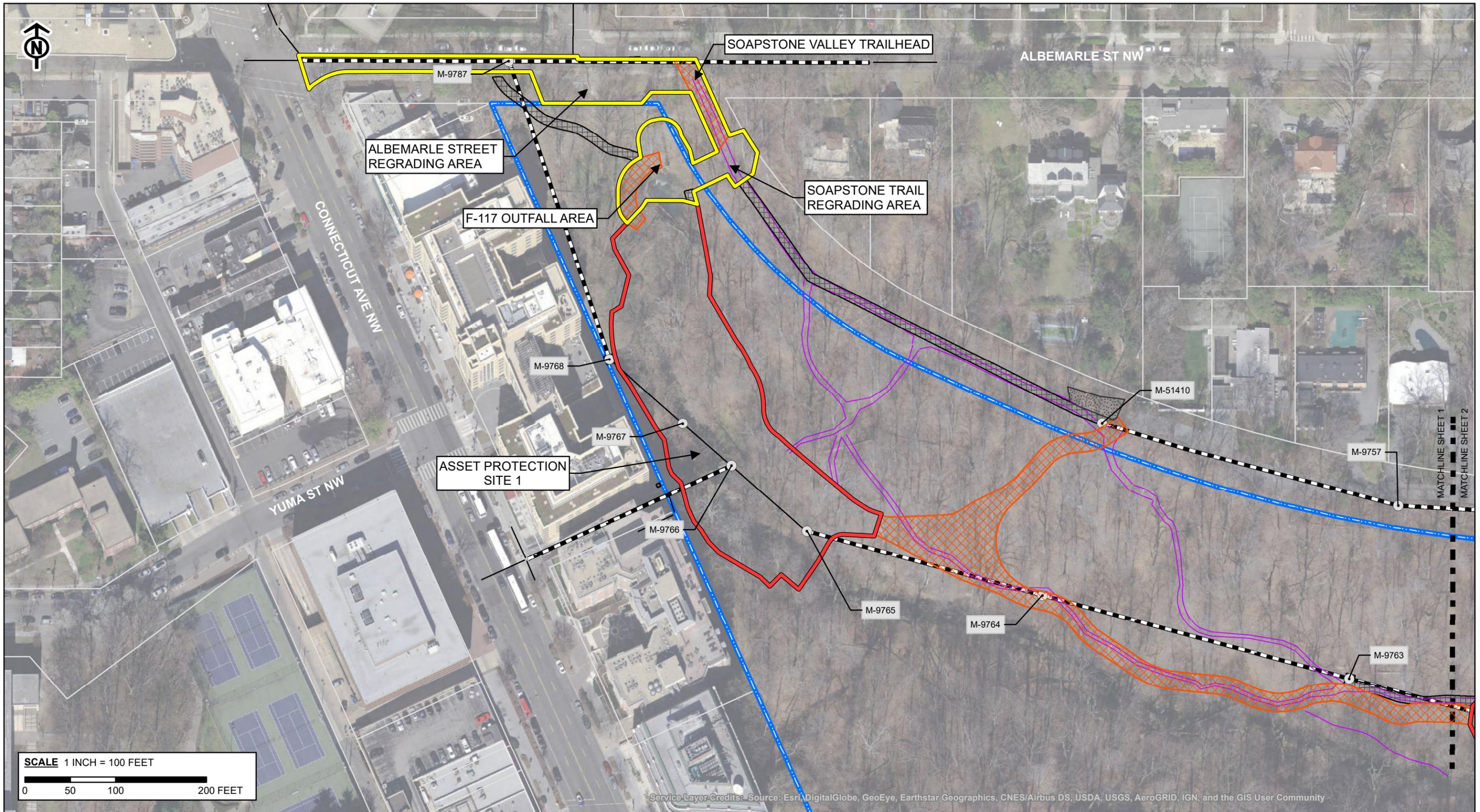
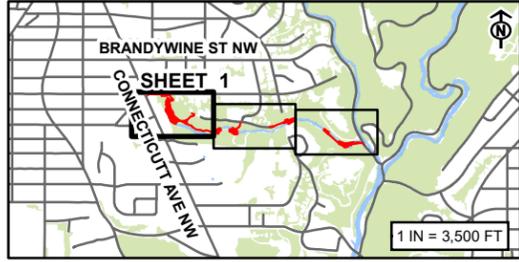


FIGURE 1
STUDY AREA
 SOAPSTONE VALLEY PARK
 SEWER REHABILITATION

SHEET 1 OF 1
 WASHINGTON, D.C.



LEGEND			
	ASSET PROTECTION		TRAIL
	F-117 MS4 LOD		NPS PROPERTY BOUNDARY
	HEAVY EQUIPMENT PATH		PROPERTY BOUNDARY
	WALKING PATH		MATCHLINE
	STORAGE AND STAGING AREAS		REHAB MANHOLE
	REHAB SEWER		EXISTING SEWER



NOTES

1. ALL ASSET PROTECTION AREAS DEPICT AREAS WITH PERMANENT IMPACTS.
2. HEAVY EQUIPMENT PATHS AND STORAGE AND STAGING AREAS DEPICT AREAS OF TEMPORARY IMPACT.
3. WALKING PATHS WILL HAVE NO ASSOCIATED IMPACTS.

SOURCES All map elements provided by Hazen and Sawyer

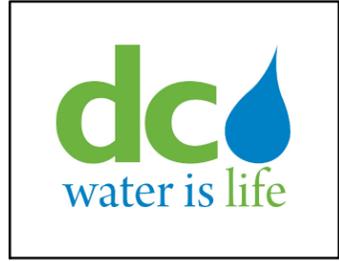
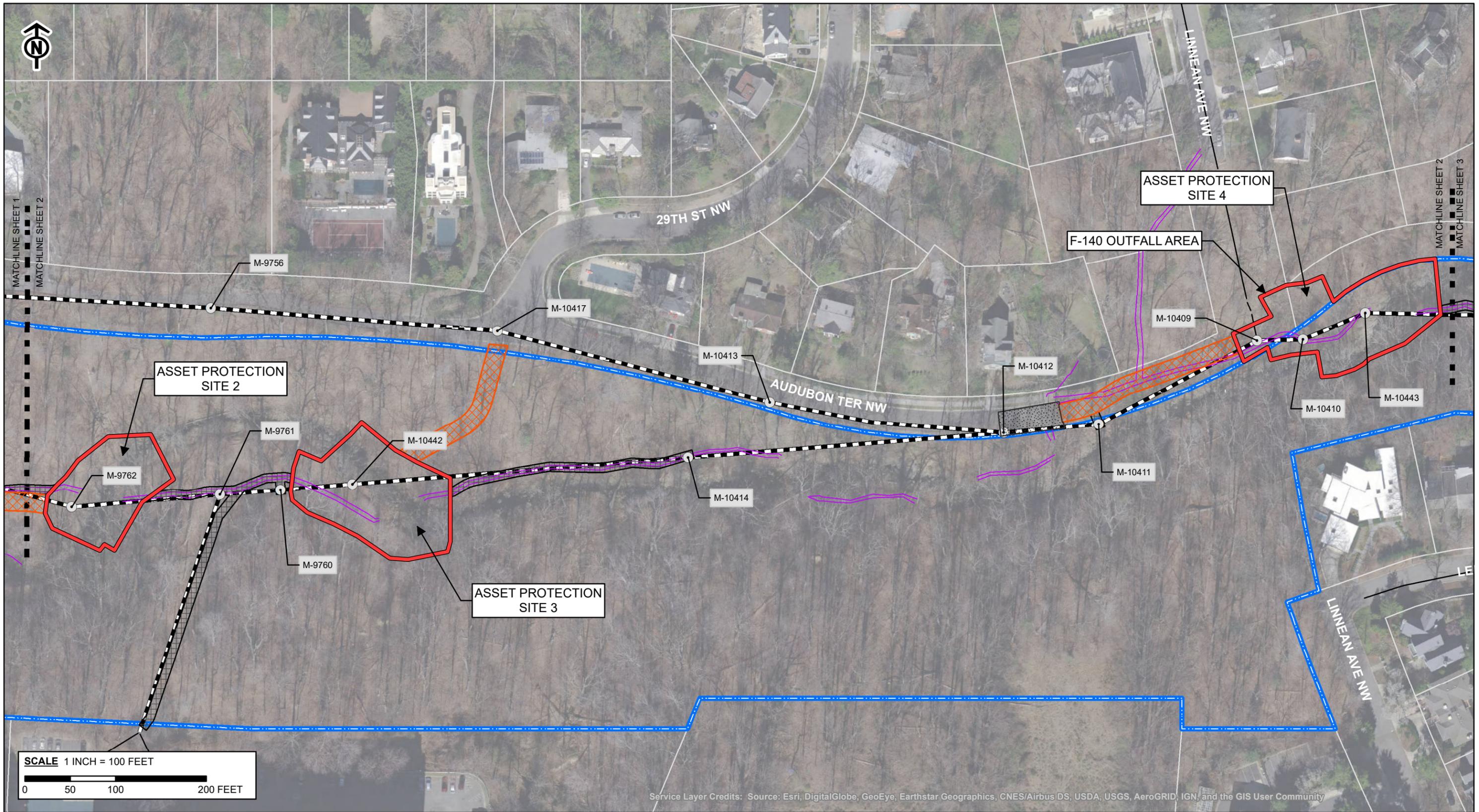


FIGURE 2
ALTERNATIVE 2:
TRENCHLESS ALTERNATIVE

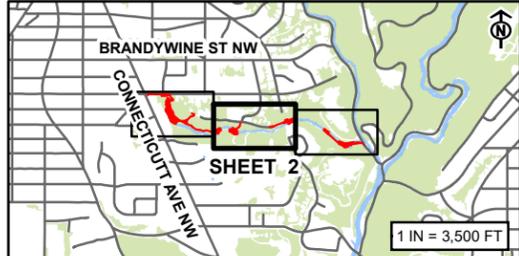
SOAPSTONE VALLEY PARK
 SEWER REHABILITATION

SHEET 1 OF 3
 WASHINGTON, D.C.



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

LEGEND			
	ASSET PROTECTION		TRAIL
	F-117 MS4 LOD		NPS PROPERTY BOUNDARY
	HEAVY EQUIPMENT PATH		PROPERTY BOUNDARY
	WALKING PATH		MATCHLINE
	STORAGE AND STAGING AREAS		REHAB MANHOLE
	REHAB MANHOLE		REHAB SEWER
	REHAB SEWER		EXISTING SEWER



NOTES

1. ALL ASSET PROTECTION AREAS DEPICT AREAS WITH PERMANENT IMPACTS.
2. HEAVY EQUIPMENT PATHS AND STORAGE AND STAGING AREAS DEPICT AREAS OF TEMPORARY IMPACT.
3. WALKING PATHS WILL HAVE NO ASSOCIATED IMPACTS.

SOURCES All map elements provided by Hazen and Sawyer

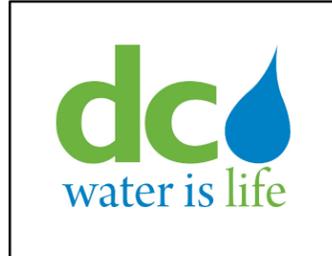
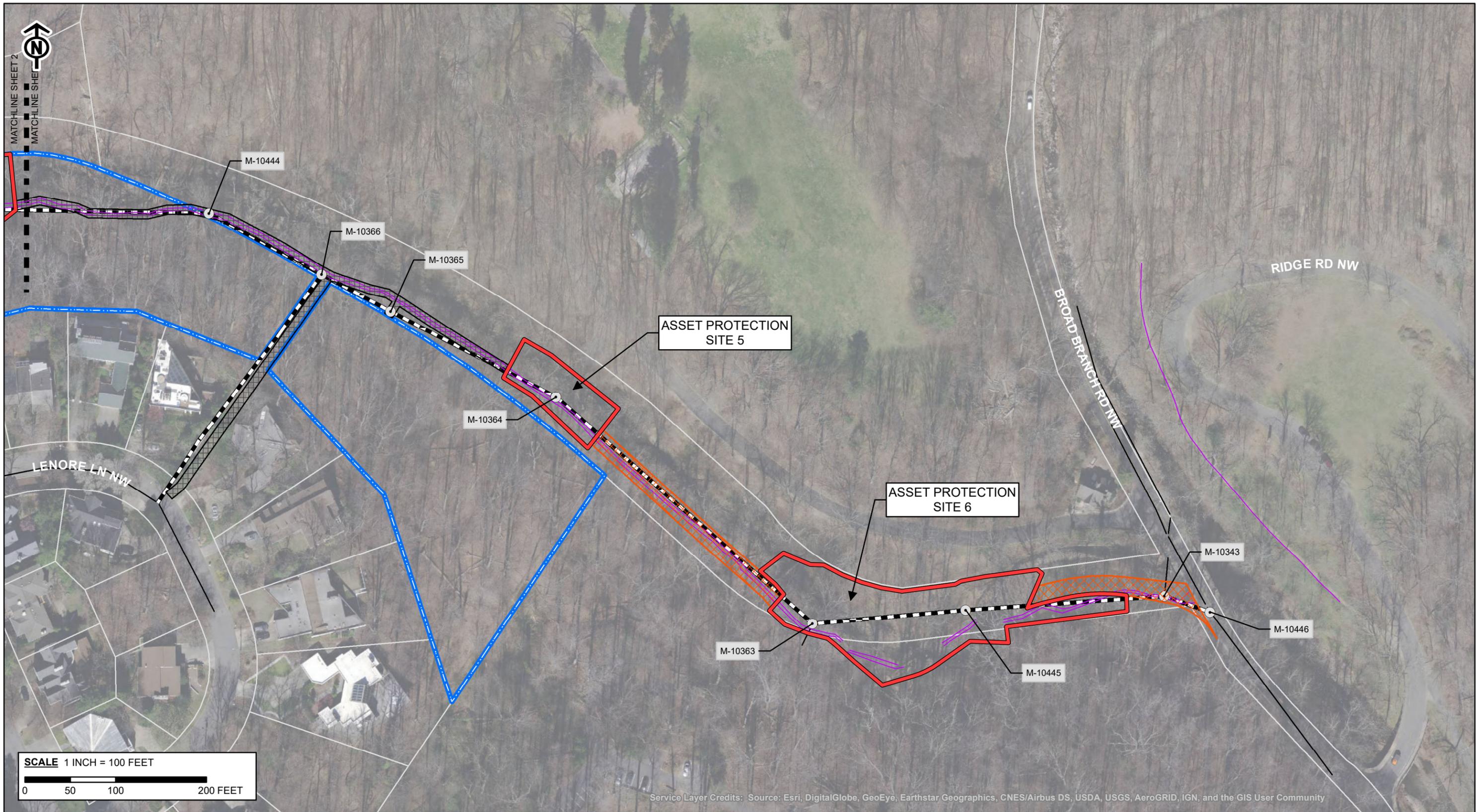


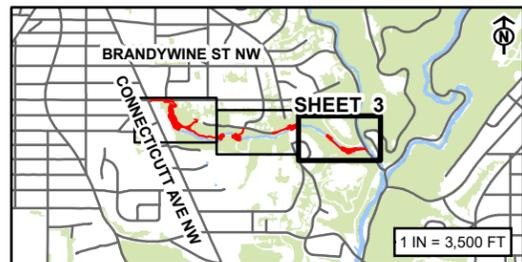
FIGURE 2
ALTERNATIVE 2:
TRENCHLESS ALTERNATIVE
 SOAPSTONE VALLEY PARK
 SEWER REHABILITATION
SHEET 2 OF 3
 WASHINGTON, D.C.



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

LEGEND

- | | | |
|----------------------|---------------------------|-----------------------|
| ASSET PROTECTION | STORAGE AND STAGING AREAS | TRAIL |
| F-117 MS4 LOD | REHAB MANHOLE | NPS PROPERTY BOUNDARY |
| HEAVY EQUIPMENT PATH | REHAB SEWER | PROPERTY BOUNDARY |
| WALKING PATH | EXISTING SEWER | MATCHLINE |



NOTES

1. ALL ASSET PROTECTION AREAS DEPICT AREAS WITH PERMANENT IMPACTS.
2. HEAVY EQUIPMENT PATHS AND STORAGE AND STAGING AREAS DEPICT AREAS OF TEMPORARY IMPACT.
3. WALKING PATHS WILL HAVE NO ASSOCIATED IMPACTS.

SOURCES All map elements provided by Hazen and Sawyer



FIGURE 2
ALTERNATIVE 2:
TRENCHLESS ALTERNATIVE
 SOAPSTONE VALLEY PARK
 SEWER REHABILITATION
SHEET 3 OF 3
 WASHINGTON, D.C.



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

LEGEND

- ▭ TRENCHLESS ALTERNATIVE LOD
- ▭ TRENCHLESS WALKING PATH
- ▭ NPS PROPERTY BOUNDARY
- TRAIL
- DELINEATED WETLAND
- DELINEATED WATERWAY (RIVERINE WETLAND)
- PROPERTY BOUNDARY
- - - MATCHLINE



NOTES

1. WETLAND AND WATERWAY BOUNDARIES WERE SURVEYED USING MAPPING GRADE GPS EQUIPMENT AND THEREFORE SLIGHT VARIATIONS OF ACTUAL BOUNDARIES CAN OCCUR.

SOURCES All design and infrastructure files provided by Hazen and Sawyer
Wetlands and Waterways delineated by Straughan Environmental, Inc. (2011, updated 2015)

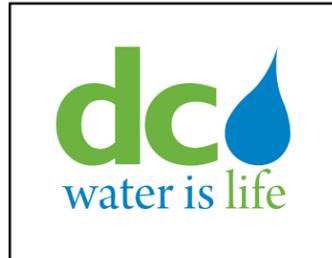
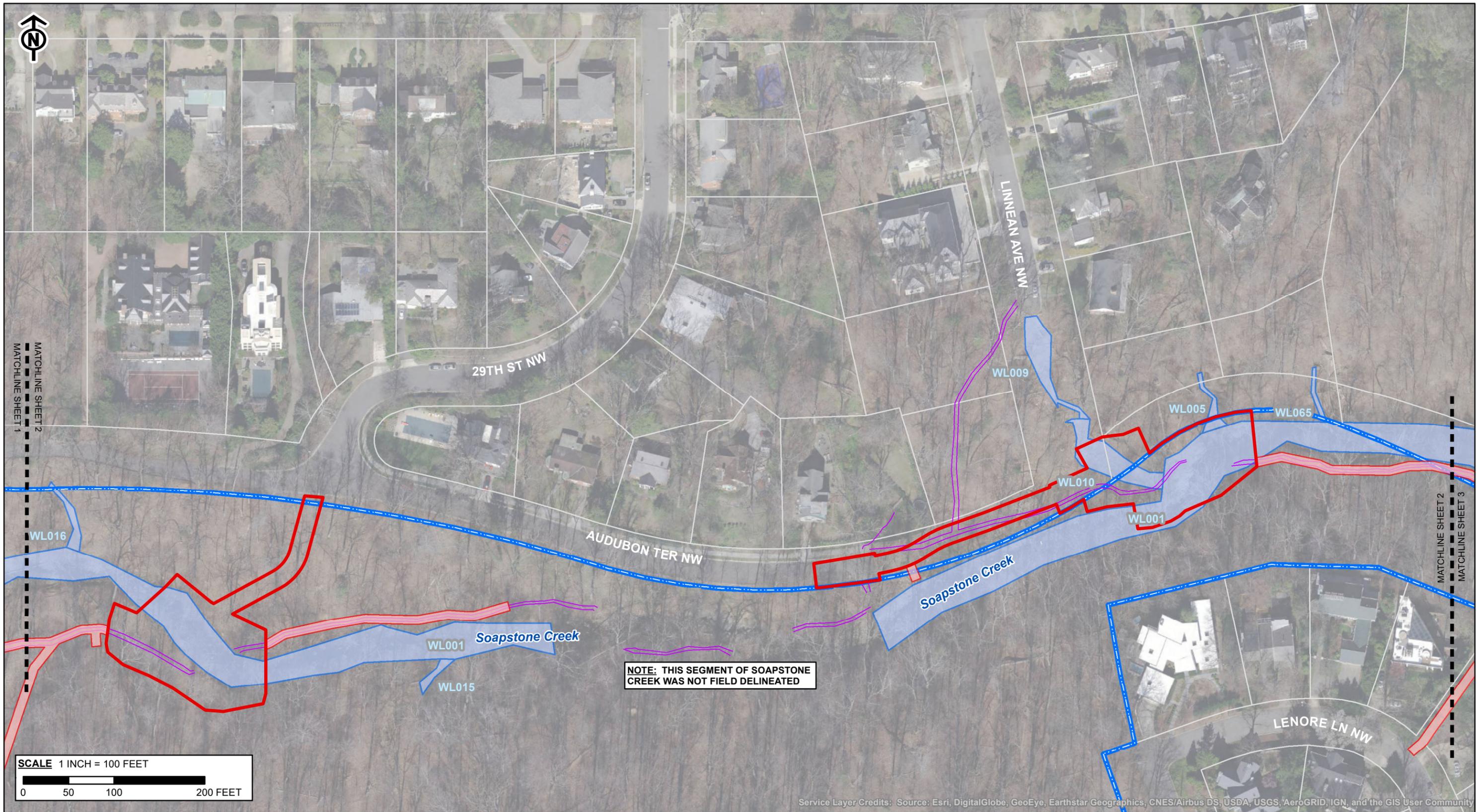


FIGURE 3
WATERWAYS AND WETLANDS

SOAPSTONE VALLEY PARK
SEWER REHABILITATION

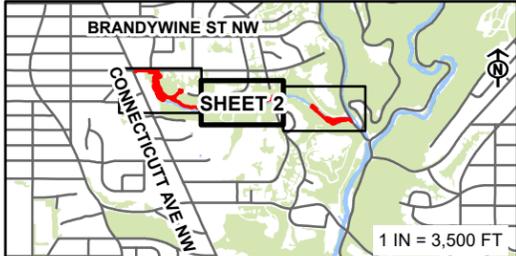
SHEET 1 OF 3
WASHINGTON, D.C.



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

LEGEND

- TRENCHLESS ALTERNATIVE LOD
- TRENCHLESS WALKING PATH
- NPS PROPERTY BOUNDARY
- TRAIL
- DELINEATED WETLAND
- DELINEATED WATERWAY (RIVERINE WETLAND)
- PROPERTY BOUNDARY
- MATCHLINE



NOTES

1. WETLAND AND WATERWAY BOUNDARIES WERE SURVEYED USING MAPPING GRADE GPS EQUIPMENT AND THEREFORE SLIGHT VARIATIONS OF ACTUAL BOUNDARIES CAN OCCUR.

SOURCES All design and infrastructure files provided by Hazen and Sawyer
Wetlands and Waterways delineated by Straughan Environmental, Inc. (2011, updated 2015)

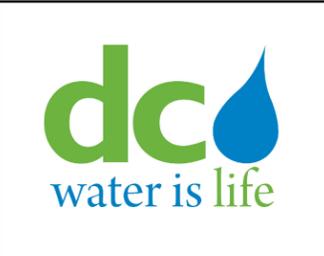
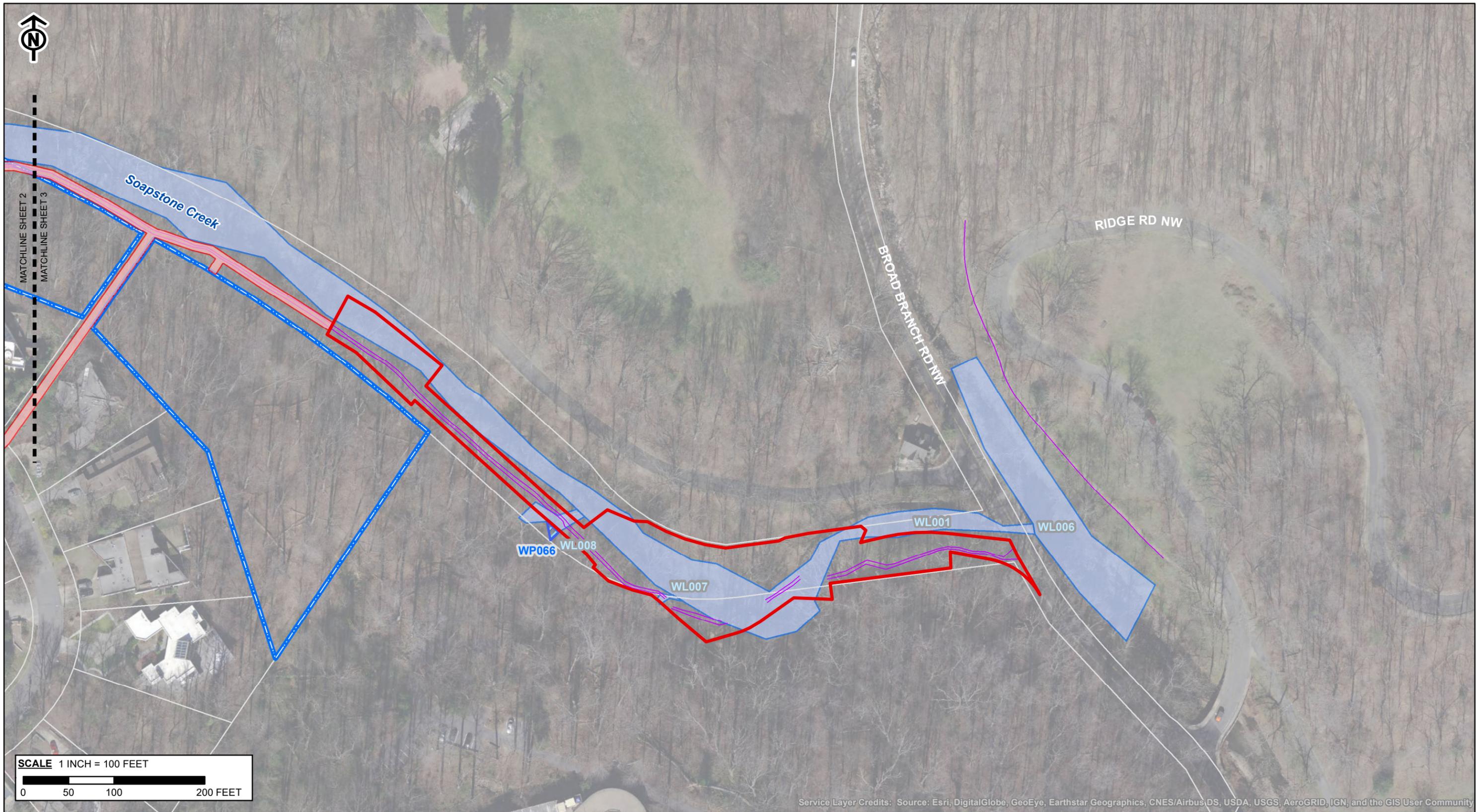


FIGURE 3
WATERWAYS AND WETLANDS

SOAPSTONE VALLEY PARK
SEWER REHABILITATION

SHEET 2 OF 3
WASHINGTON, D.C.



LEGEND

- TRENCHLESS ALTERNATIVE LOD
- TRENCHLESS WALKING PATH
- NPS PROPERTY BOUNDARY
- MATCHLINE
- TRAIL
- DELINEATED WETLAND
- DELINEATED WATERWAY (RIVERINE WETLAND)
- PROPERTY BOUNDARY



NOTES

1. WETLAND AND WATERWAY BOUNDARIES WERE SURVEYED USING MAPPING GRADE GPS EQUIPMENT AND THEREFORE SLIGHT VARIATIONS OF ACTUAL BOUNDARIES CAN OCCUR.

SOURCES All design and infrastructure files provided by Hazen and Sawyer
Wetlands and Waterways delineated by Straughan Environmental, Inc. (2011, updated 2015)

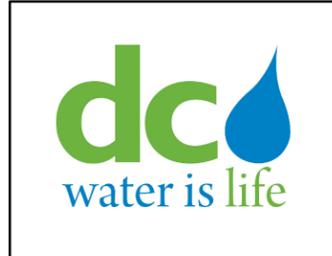


FIGURE 3
WATERWAYS AND WETLANDS

SOAPSTONE VALLEY PARK
SEWER REHABILITATION

SHEET 3 OF 3
WASHINGTON, D.C.



SCALE 1 INCH = 100 FEET

0 50 100 200 FEET

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

LEGEND		
	TRENCHLESS ALTERNATIVE LOD	
	TRENCHLESS WALKING PATH	
	NPS PROPERTY BOUNDARY	



NOTES

1. WETLAND AND WATERWAY BOUNDARIES WERE SURVEYED USING MAPPING GRADE GPS EQUIPMENT AND THEREFORE SLIGHT VARIATIONS OF ACTUAL BOUNDARIES CAN OCCUR.

SOURCES All design and infrastructure files provided by Hazen and Sawyer
Wetlands and Waterways delineated by Straughan Environmental, Inc. (2011, updated 2015)

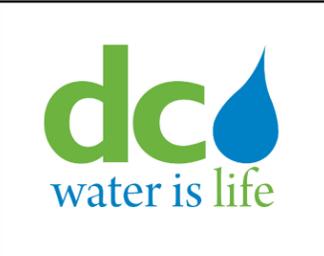
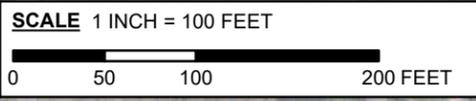
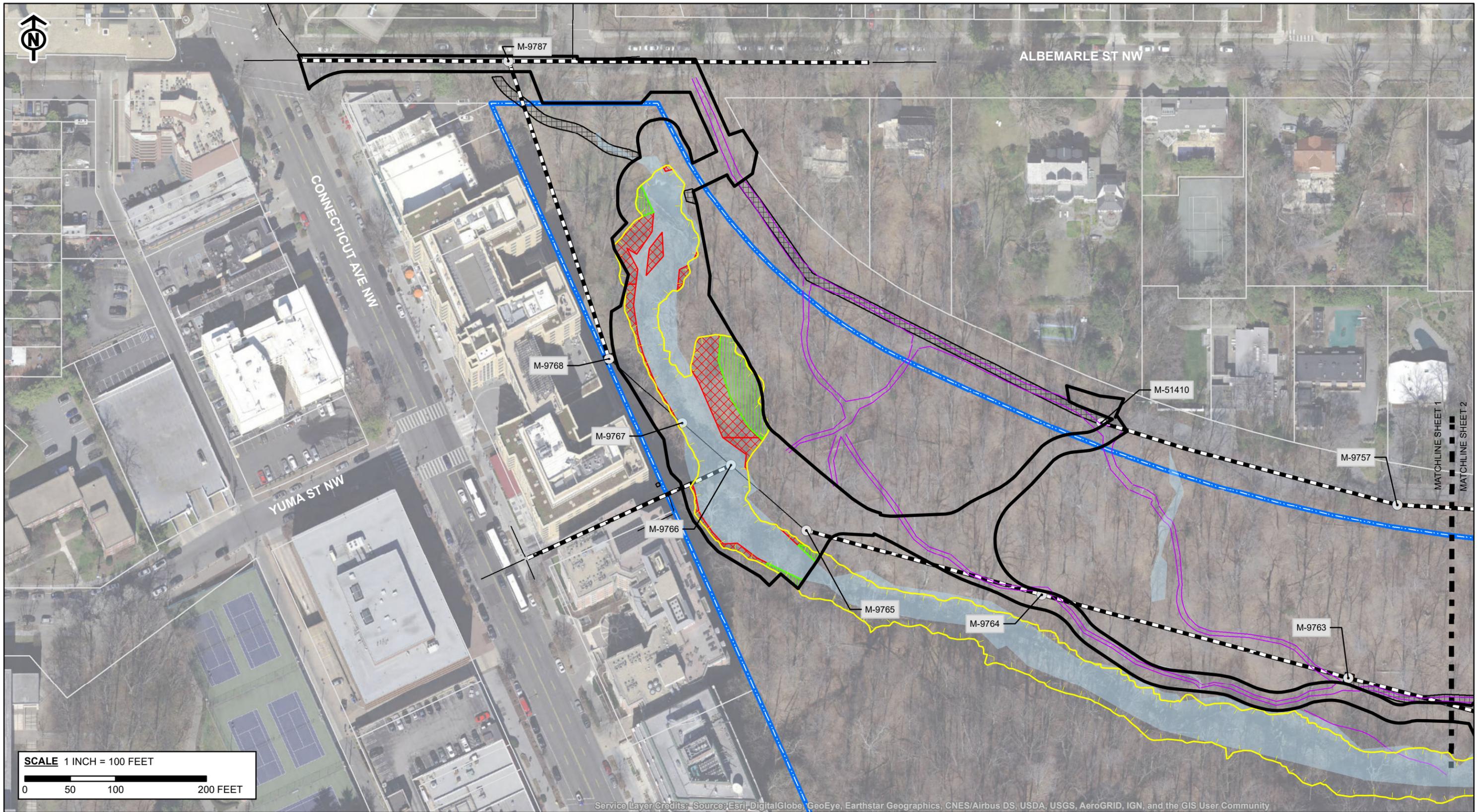


FIGURE 3
WATERWAYS AND WETLANDS

SOAPSTONE VALLEY PARK
SEWER REHABILITATION

SHEET 4 OF 3
WASHINGTON, D.C.



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

LEGEND			
	TRENCHLESS ALTERNATIVE LOD		EXISTING SEWER
	100-YR FLOODPLAIN		SURVEYED TRAIL
	PERM FLOODPLAIN IMPACTS		PROPERTY BOUNDARY
	TEMP FLOODPLAIN IMPACTS		MATCHLINE
	WALKING PATH		REHAB MANHOLE
	NPS PROPERTY BOUNDARY		
	WATERWAY		
	REHAB SEWER		



NOTES

SOURCES
All design elements provided by Hazen and Sawyer

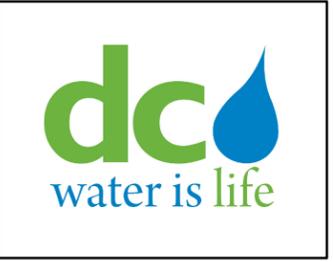
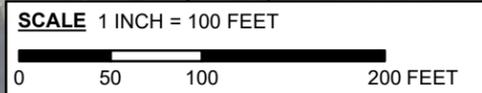
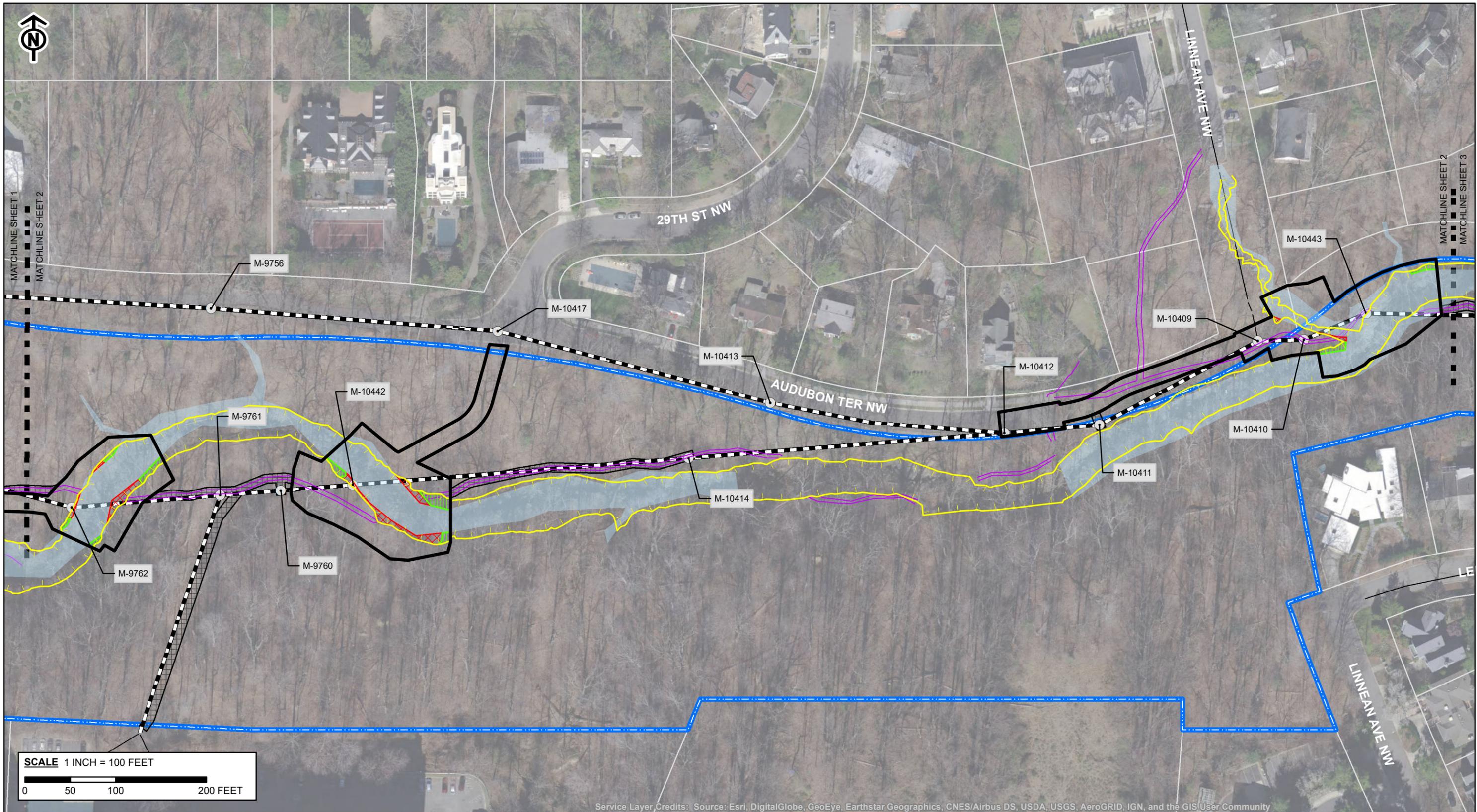


FIGURE 4
FLOODPLAINS
 SOAPSTONE VALLEY PARK
 SEWER REHABILITATION
 TRENCHLESS ALTERNATIVE

SHEET 1 OF 3
 WASHINGTON, D.C.



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

LEGEND			
	TRENCHLESS ALTERNATIVE LOD		EXISTING SEWER
	100-YR FLOODPLAIN		SURVEYED TRAIL
	PERM FLOODPLAIN IMPACTS		PROPERTY BOUNDARY
	TEMP FLOODPLAIN IMPACTS		MATCHLINE
	WALKING PATH		REHAB MANHOLE
	NPS PROPERTY BOUNDARY		
	WATERWAY		
	REHAB SEWER		



NOTES

SOURCES All design elements provided by Hazen and Sawyer

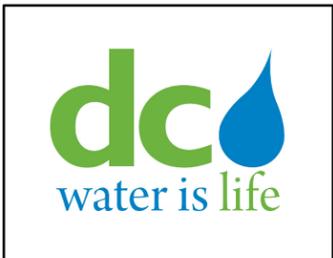
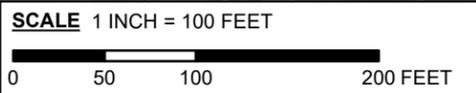
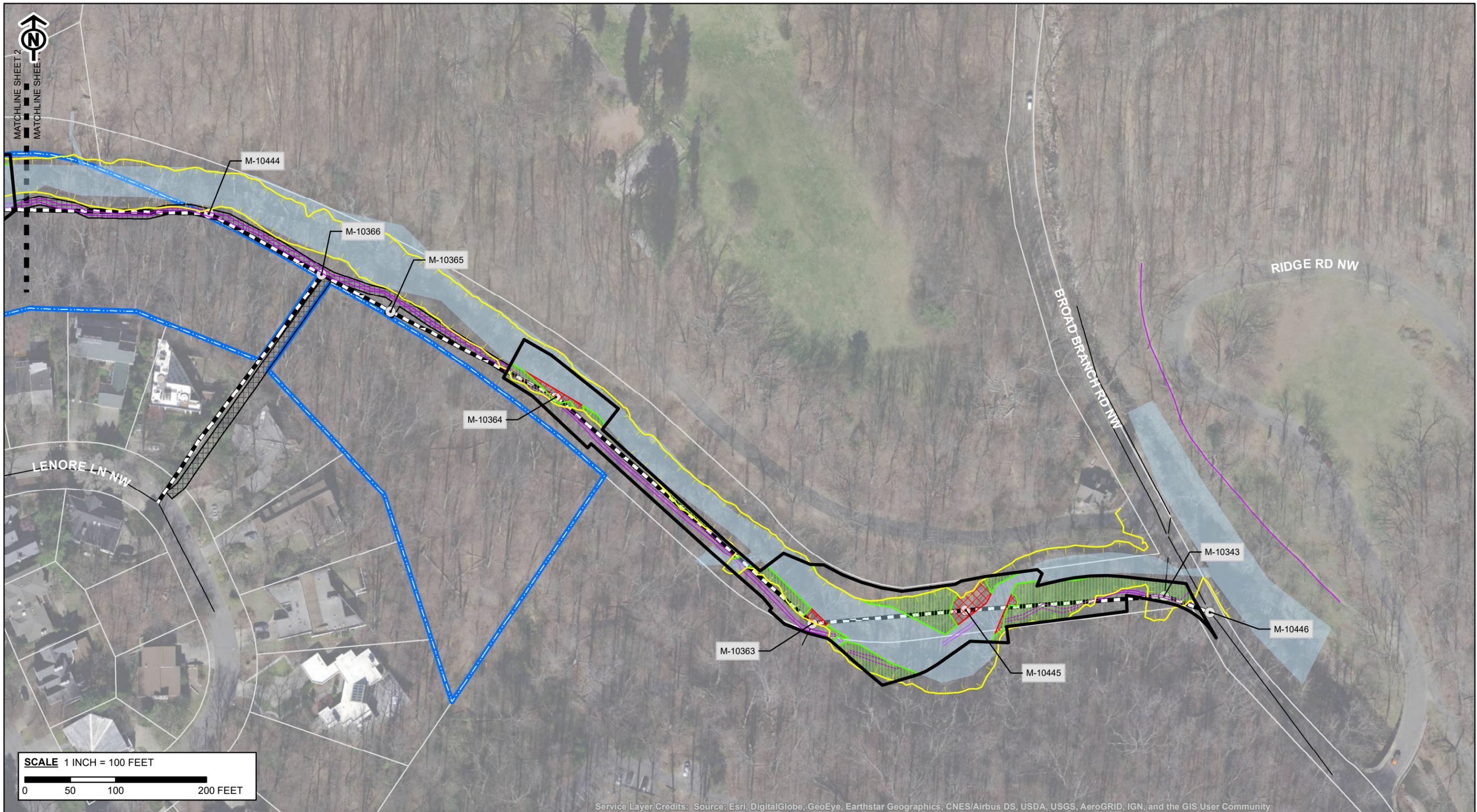


FIGURE 4 FLOODPLAINS
 SOAPSTONE VALLEY PARK SEWER REHABILITATION
 TRENCHLESS ALTERNATIVE
SHEET 2 OF 3
 WASHINGTON, D.C.



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

LEGEND			
	TRENCHLESS ALTERNATIVE LOD		EXISTING SEWER
	100-YR FLOODPLAIN		SURVEYED TRAIL
	PERM FLOODPLAIN IMPACTS		PROPERTY BOUNDARY
	TEMP FLOODPLAIN IMPACTS		MATCHLINE
	WALKING PATH		REHAB MANHOLE
	NPS PROPERTY BOUNDARY		
	WATERWAY		
	REHAB SEWER		



NOTES

SOURCES
All design elements provided by Hazen and Sawyer

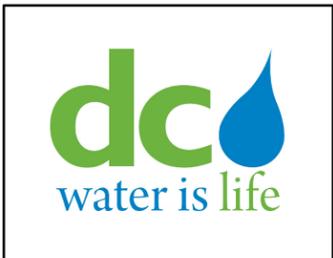
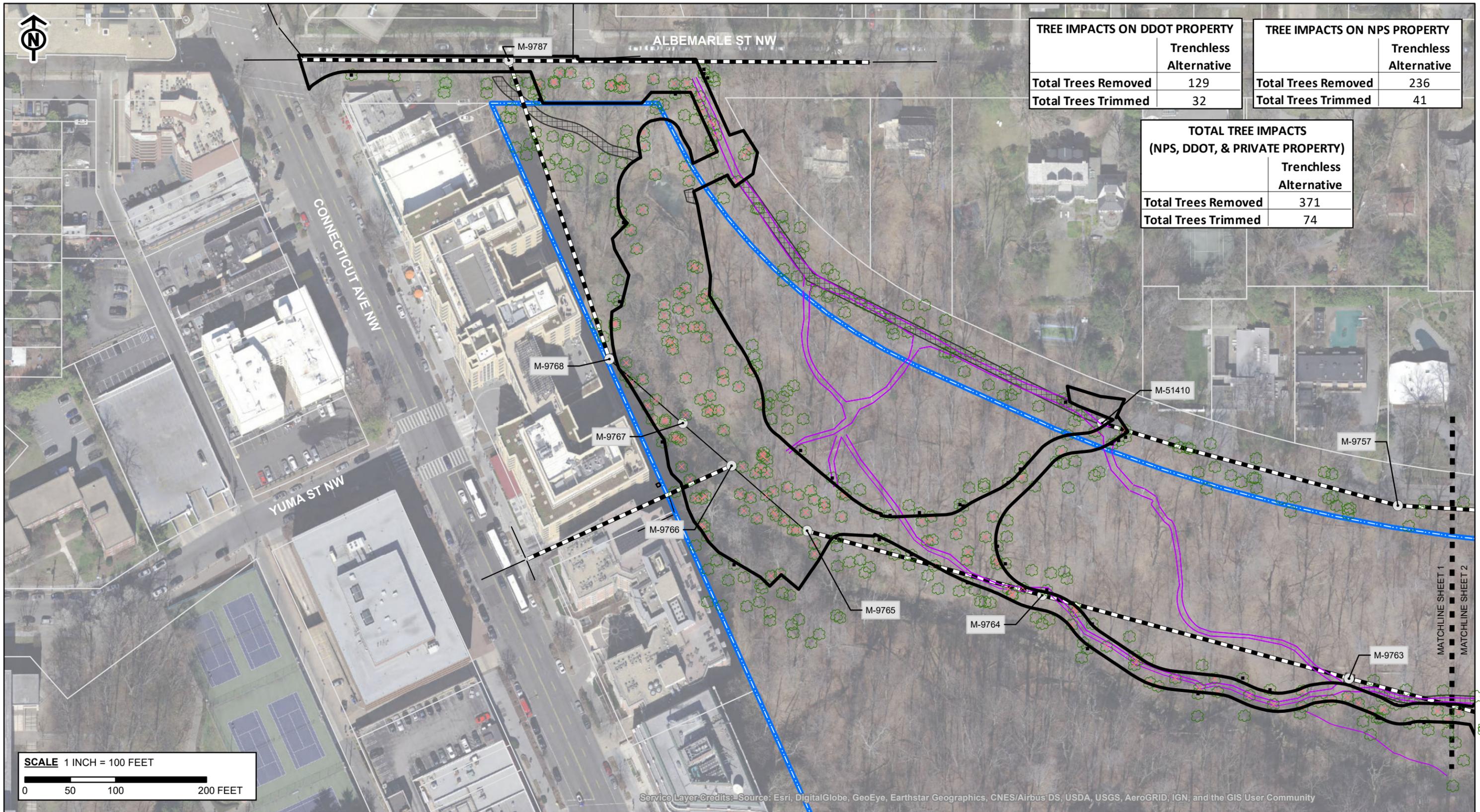


FIGURE 4
FLOODPLAINS
 SOAPSTONE VALLEY PARK
 SEWER REHABILITATION
 TRENCHLESS ALTERNATIVE

SHEET 3 OF 3
 WASHINGTON, D.C.



TREE IMPACTS ON DDOT PROPERTY	
	Trenchless Alternative
Total Trees Removed	129
Total Trees Trimmed	32

TREE IMPACTS ON NPS PROPERTY	
	Trenchless Alternative
Total Trees Removed	236
Total Trees Trimmed	41

TOTAL TREE IMPACTS (NPS, DDOT, & PRIVATE PROPERTY)	
	Trenchless Alternative
Total Trees Removed	371
Total Trees Trimmed	74

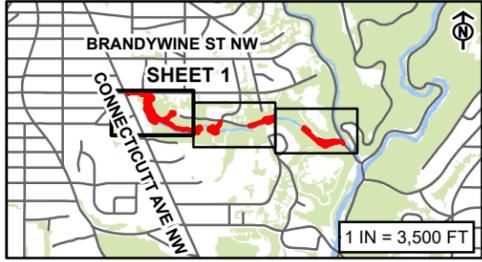
SCALE 1 INCH = 100 FEET

0 50 100 200 FEET

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

LEGEND

TRENCHLESS ALTERNATIVE LOD	REMOVED	NPS PROPERTY BOUNDARY
WALKING PATH	TREE TRIMMING	SURVEYED TRAIL
REHAB MANHOLE	NO IMPACT	PROPERTY BOUNDARY
REHAB SEWER	EXISTING SEWER LINE	MATCHLINE



NOTES

1. ALL TREES ≥ 4-INCHES DBH (DIAMETER AT BREAST HEIGHT) WERE SURVEYED WITHIN AT LEAST 5-FEET OF THE STUDY AREA.
2. TREE LOCATIONS WERE SURVEYED USING MAPPING GRADE GPS EQUIPMENT AND THEREFORE SLIGHT VARIATIONS OF ACTUAL TREE LOCATIONS CAN OCCUR.
3. DUE TO THE USE OF MAPPING GRADE GPS SURVEY EQUIPMENT, THE TOTAL NUMBER OF TREES REMOVED IS A BEST ESTIMATE. ALL EFFORTS WILL BE MADE DURING CONSTRUCTION TO REMOVE THE FEWEST NUMBER OF TREES.

SOURCES Design, Study Area, and Trail provided by Hazen and Sawyer
Trees provided by Straughan Environmental, Inc.

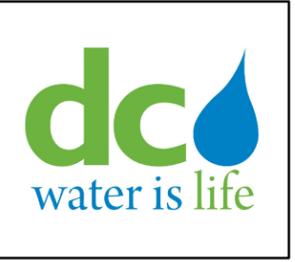
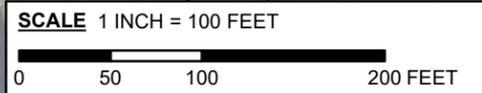
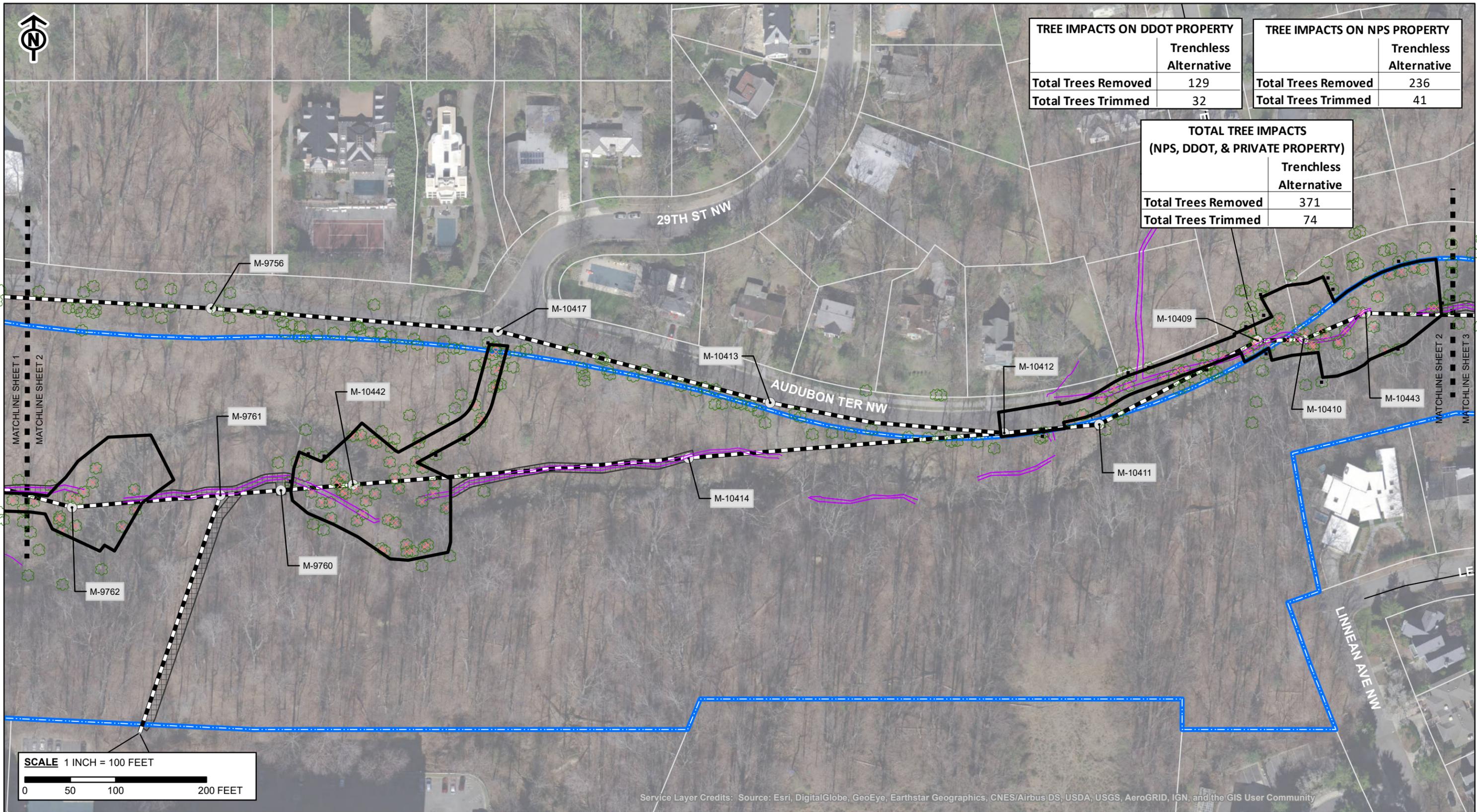


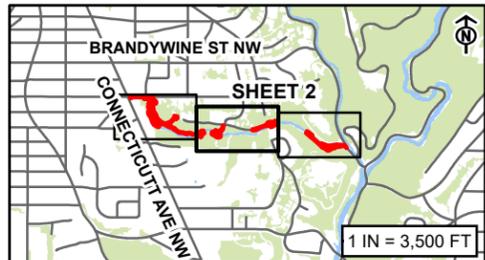
FIGURE 5
TREE IMPACTS
SOAPSTONE VALLEY PARK
SEWER REHABILITATION
TRENCHLESS ALTERNATIVE

SHEET 1 OF 3
WASHINGTON, D.C.



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

LEGEND			
	TRENCHLESS ALTERNATIVE LOD		NPS PROPERTY BOUNDARY
	WALKING PATH		SURVEYED TRAIL
	REHAB MANHOLE		PROPERTY BOUNDARY
	REHAB SEWER		MATCHLINE
	REMOVED		
	TREE TRIMMING		
	NO IMPACT		
	EXISTING SEWER LINE		



NOTES

1. ALL TREES ≥ 4-INCHES DBH (DIAMETER AT BREAST HEIGHT) WERE SURVEYED WITHIN AT LEAST 5- FEET OF THE STUDY AREA.
2. TREE LOCATIONS WERE SURVEYED USING MAPPING GRADE GPS EQUIPMENT AND THEREFORE SLIGHT VARIATIONS OF ACTUAL TREE LOCATIONS CAN OCCUR.
3. DUE TO THE USE OF MAPPING GRADE GPS SURVEY EQUIPMENT, THE TOTAL NUMBER OF TREES REMOVED IS A BEST ESTIMATE. ALL EFFORTS WILL BE MADE DURING CONSTRUCTION TO REMOVE THE FEWEST NUMBER OF TREES.

SOURCES Design, Study Area, and Trail provided by Hazen and Sawyer
Trees provided by Straughan Environmental, Inc.

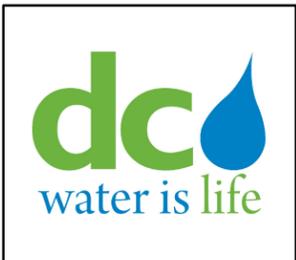
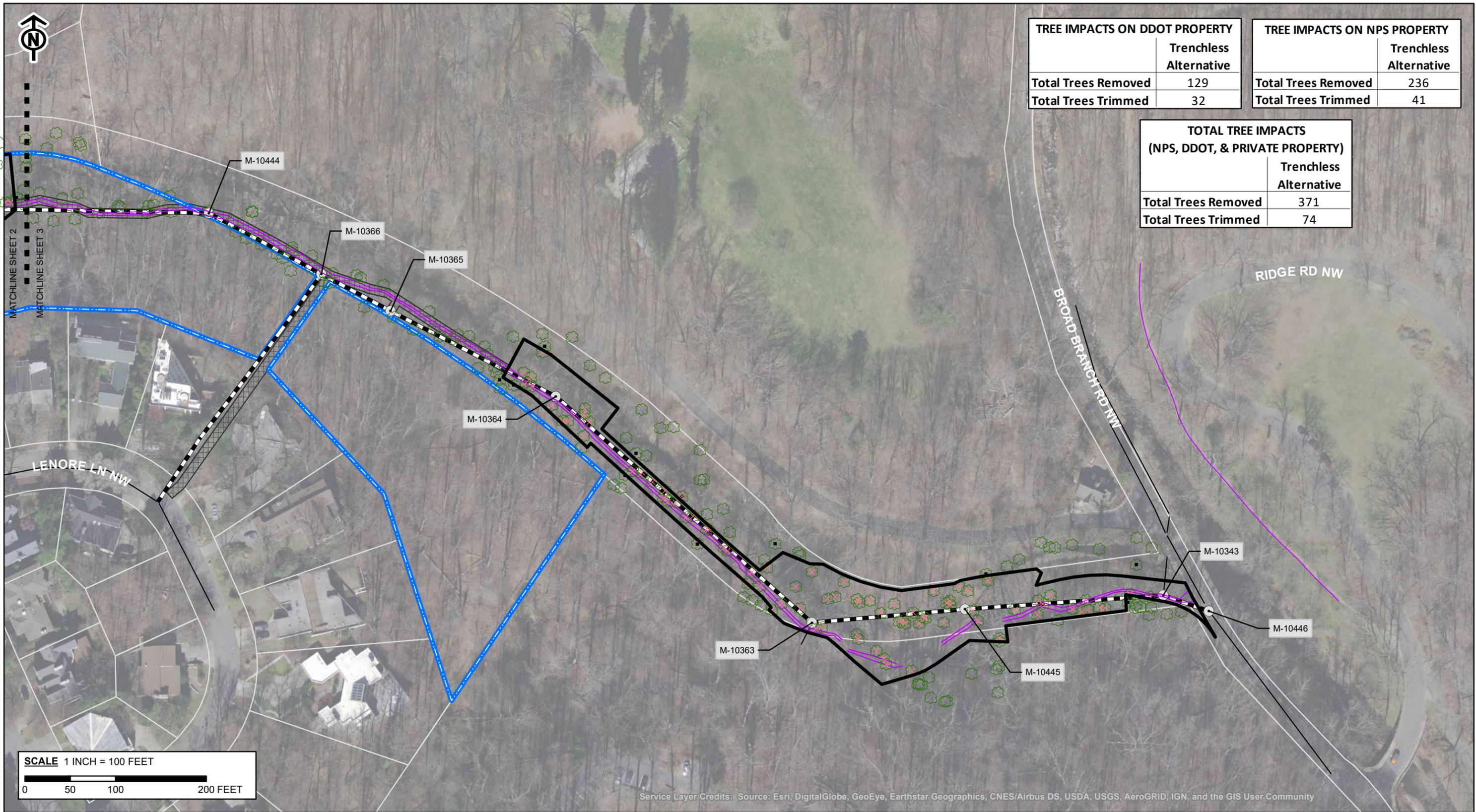


FIGURE 5
TREE IMPACTS
SOAPSTONE VALLEY PARK
SEWER REHABILITATION
TRENCHLESS ALTERNATIVE
SHEET 2 OF 3
WASHINGTON, D.C.



TREE IMPACTS ON DDOT PROPERTY	
	Trenchless Alternative
Total Trees Removed	129
Total Trees Trimmed	32

TREE IMPACTS ON NPS PROPERTY	
	Trenchless Alternative
Total Trees Removed	236
Total Trees Trimmed	41

TOTAL TREE IMPACTS (NPS, DDOT, & PRIVATE PROPERTY)	
	Trenchless Alternative
Total Trees Removed	371
Total Trees Trimmed	74

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

LEGEND			
	TRENCHLESS ALTERNATIVE LOD		NPS PROPERTY BOUNDARY
	WALKING PATH		SURVEYED TRAIL
	REHAB MANHOLE		PROPERTY BOUNDARY
	REHAB SEWER		MATCHLINE
	REMOVED		
	TREE TRIMMING		
	NO IMPACT		
	EXISTING SEWER LINE		



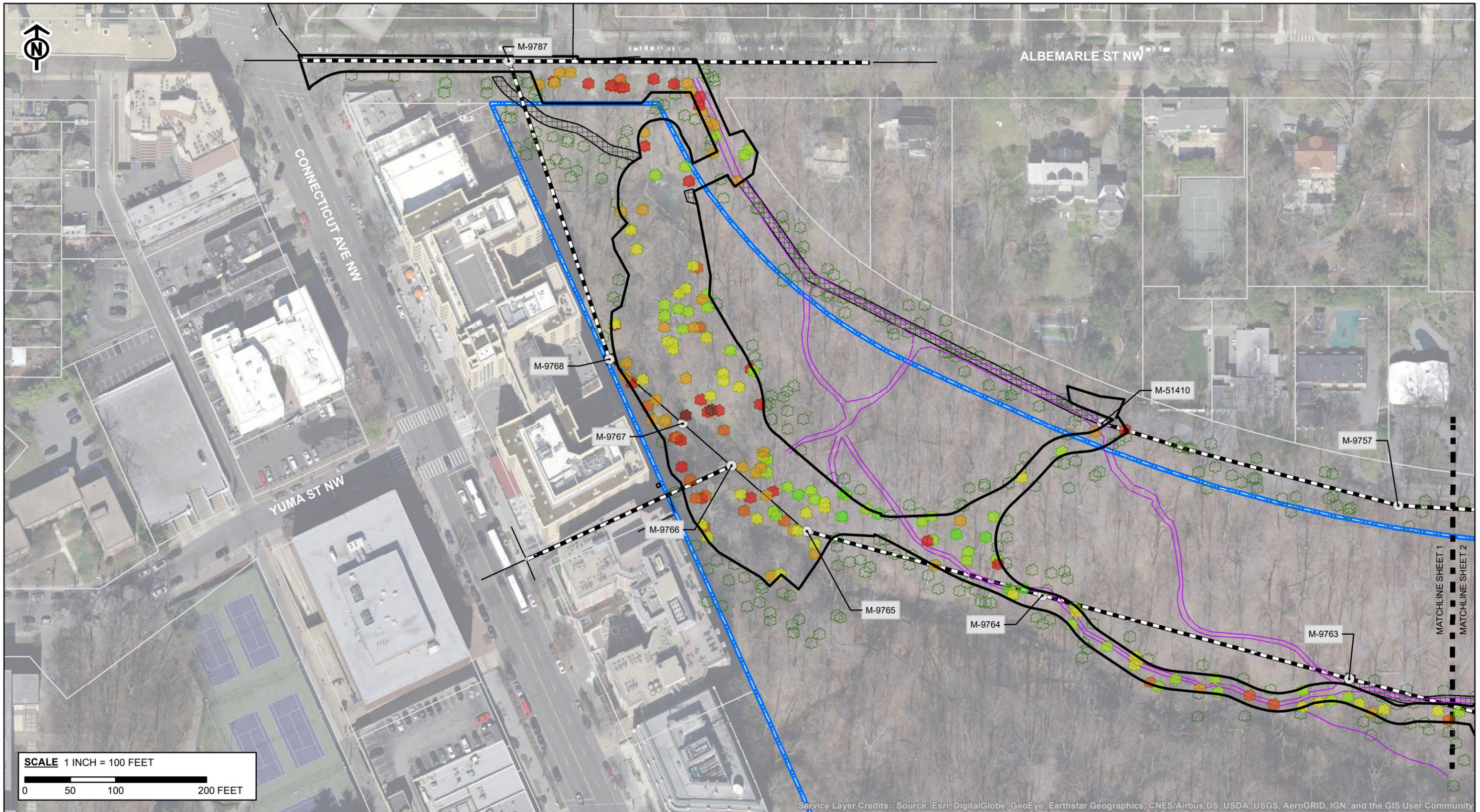
NOTES

1. ALL TREES ≥ 4-INCHES DBH (DIAMETER AT BREAST HEIGHT) WERE SURVEYED WITHIN AT LEAST 5-FEET OF THE STUDY AREA.
2. TREE LOCATIONS WERE SURVEYED USING MAPPING GRADE GPS EQUIPMENT AND THEREFORE SLIGHT VARIATIONS OF ACTUAL TREE LOCATIONS CAN OCCUR.
3. DUE TO THE USE OF MAPPING GRADE GPS SURVEY EQUIPMENT, THE TOTAL NUMBER OF TREES REMOVED IS A BEST ESTIMATE. ALL EFFORTS WILL BE MADE DURING CONSTRUCTION TO REMOVE THE FEWEST NUMBER OF TREES.

SOURCES Design, Study Area, and Trail provided by Hazen and Sawyer
Trees provided by Straughan Environmental, Inc.



FIGURE 5
TREE IMPACTS
SOAPSTONE VALLEY PARK
SEWER REHABILITATION
TRENCHLESS ALTERNATIVE
SHEET 3 OF 3
WASHINGTON, D.C.



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

LEGEND

TRENCHLESS ALTERNATIVE LOD	EXISTING SEWER	VERY GOOD	POOR
WALKING PATH	REHAB MANHOLE	GOOD	VERY POOR
NO IMPACT	SURVEYED TRAIL	GOOD - FAIR	
REHAB SEWER	NPS PROPERTY BOUNDARY	FAIR	
	PROPERTY BOUNDARY	FAIR - POOR	



NOTES

1. HEALTH WAS ASSESSED BY AN ISA CERTIFIED ARBORIST.

SOURCES Design, Study Area, and Trail provided by Hazen and Sawyer
Trees provided by Straughan Environmental, Inc.

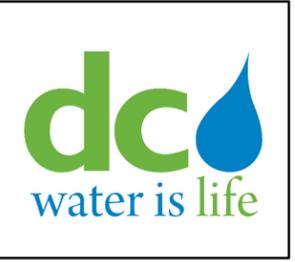
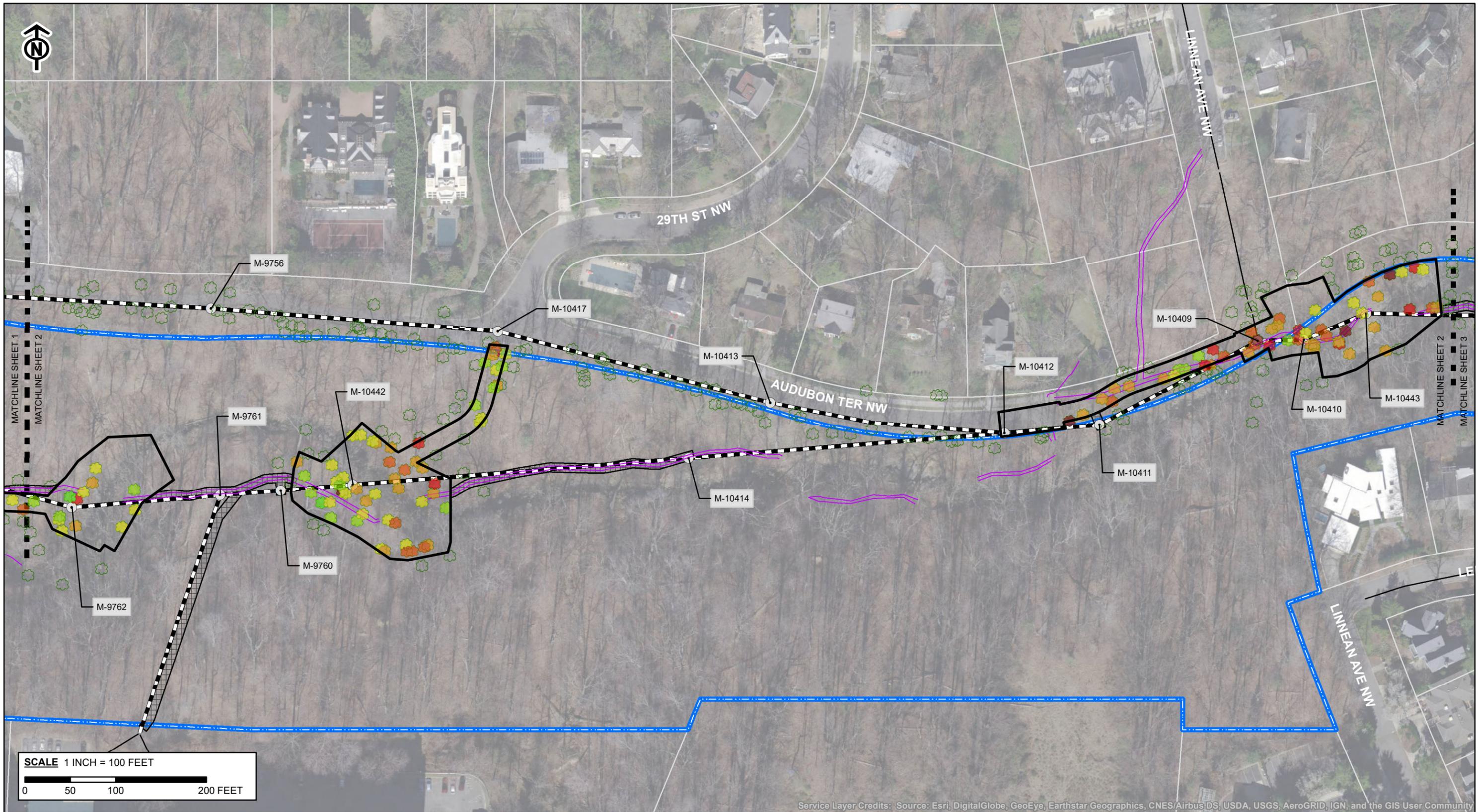


FIGURE 6
TREE HEALTH
SOAPSTONE VALLEY PARK
SEWER REHABILITATION
TRENCHLESS ALTERNATIVE

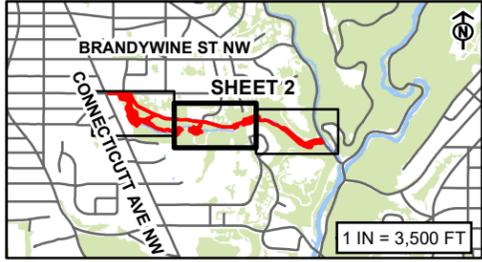
SHEET 1 OF 3
WASHINGTON, D.C.



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus/DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

LEGEND

TRENCHLESS ALTERNATIVE LOD	EXISTING SEWER	VERY GOOD	POOR
WALKING PATH	REHAB MANHOLE	GOOD	VERY POOR
NO IMPACT	SURVEYED TRAIL	GOOD - FAIR	
REHAB SEWER	NPS PROPERTY BOUNDARY	FAIR	
	PROPERTY BOUNDARY	FAIR - POOR	



NOTES

- HEALTH WAS ASSESSED BY AN ISA CERTIFIED ARBORIST.

SOURCES Design, Study Area, and Trail provided by Hazen and Sawyer
Trees provided by Straughan Environmental, Inc.

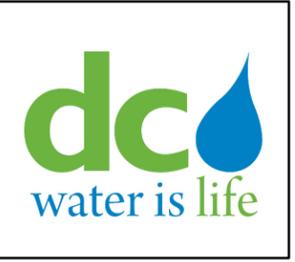
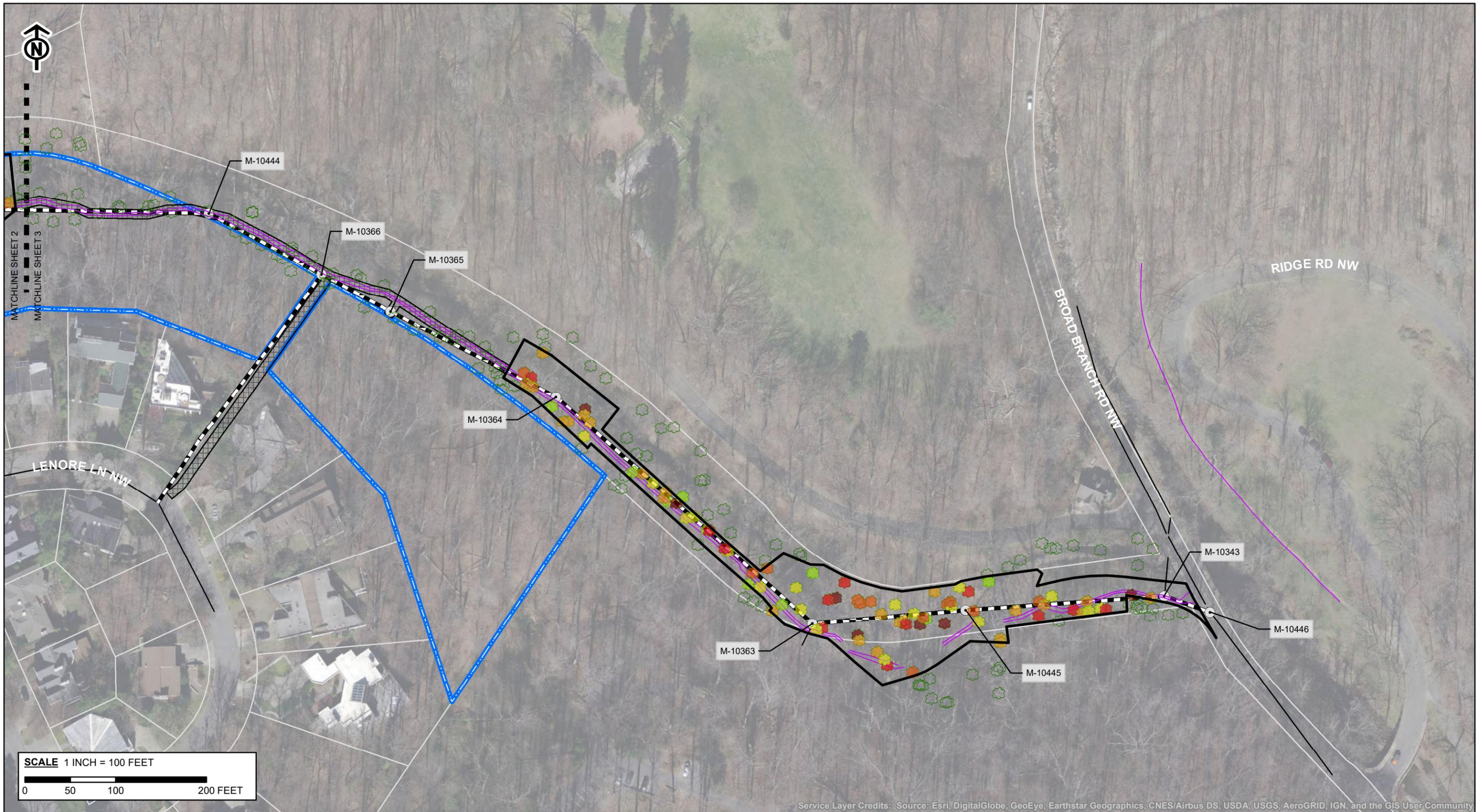


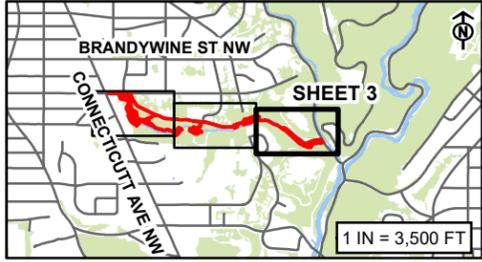
FIGURE 6
TREE HEALTH
SOAPSTONE VALLEY PARK
SEWER REHABILITATION
TRENCHLESS ALTERNATIVE

SHEET 2 OF 3
WASHINGTON, D.C.



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

LEGEND		TREE HEALTH	
	EXISTING SEWER		VERY GOOD
	REHAB MANHOLE		GOOD
	SURVEYED TRAIL		GOOD - FAIR
	WALKING PATH		FAIR
	NO IMPACT		FAIR - POOR
	REHAB SEWER		POOR
	NPS PROPERTY BOUNDARY		VERY POOR
	PROPERTY BOUNDARY		



NOTES
1. HEALTH WAS ASSESSED BY AN ISA CERTIFIED ARBORIST.

SOURCES
Design, Study Area, and Trail provided by Hazen and Sawyer
Trees provided by Straughan Environmental, Inc.

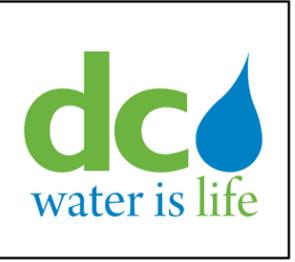
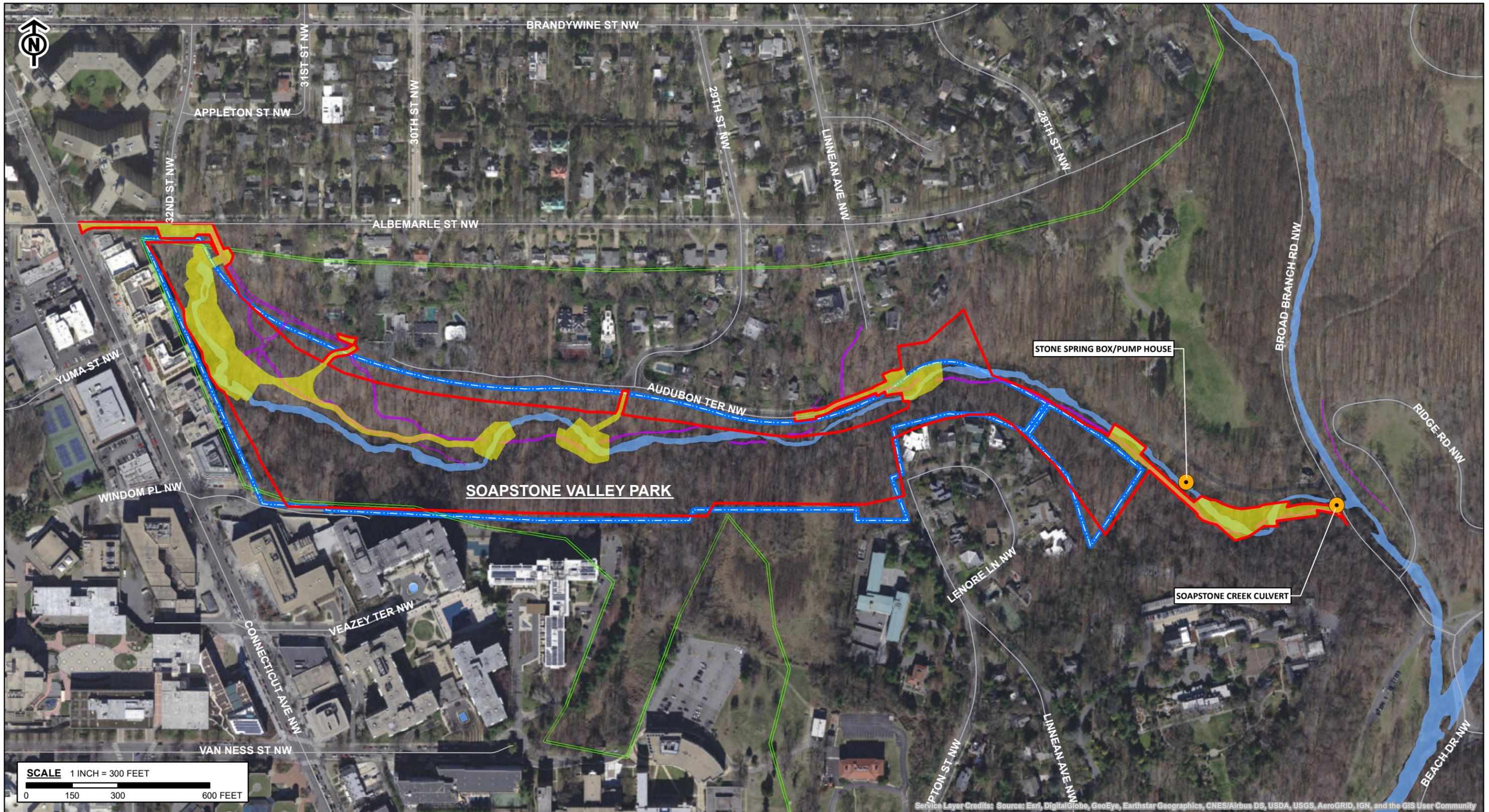


FIGURE 6
TREE HEALTH
SOAPSTONE VALLEY PARK
SEWER REHABILITATION
TRENCHLESS ALTERNATIVE
SHEET 3 OF 3
WASHINGTON, D.C.



LEGEND	
	TRENCHLESS ALTERNATIVE ARCHEOLOGICAL APE
	TRENCHLESS ALTERNATIVE ARCHITECTURAL APE
	PROPOSED EXPANSION AREA OF ROCK CREEK PARK HISTORIC DISTRICT
	NPS PROPERTY BOUNDARY
	HISTORIC STRUCTURES
	SURVEYED TRAIL
	WATERWAY
	STREET



NOTES

1. BOUNDARY OF 'PROPOSED EXPANSION AREA OF ROCK CREEK PARK HISTORIC DISTRICT (HD)' WAS ADAPTED FROM MAP INCLUDED IN NATIONAL REGISTER OF HISTORIC PLACES NOMINATION FORM. THE NOMINATION IS IN PROCESS AND FINAL BOUNDARIES MAY VARY FROM WHAT IS SHOWN ON THIS MAP.

SOURCES DC GIS. 2011. *NPS Park Boundary*. Washington, D.C. Microsoft Corporation and/or its suppliers. 2010. *bing Maps Aerial*. Redmond, WA.

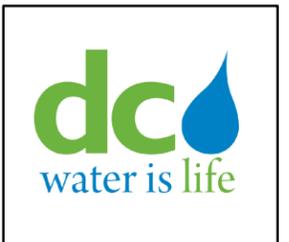
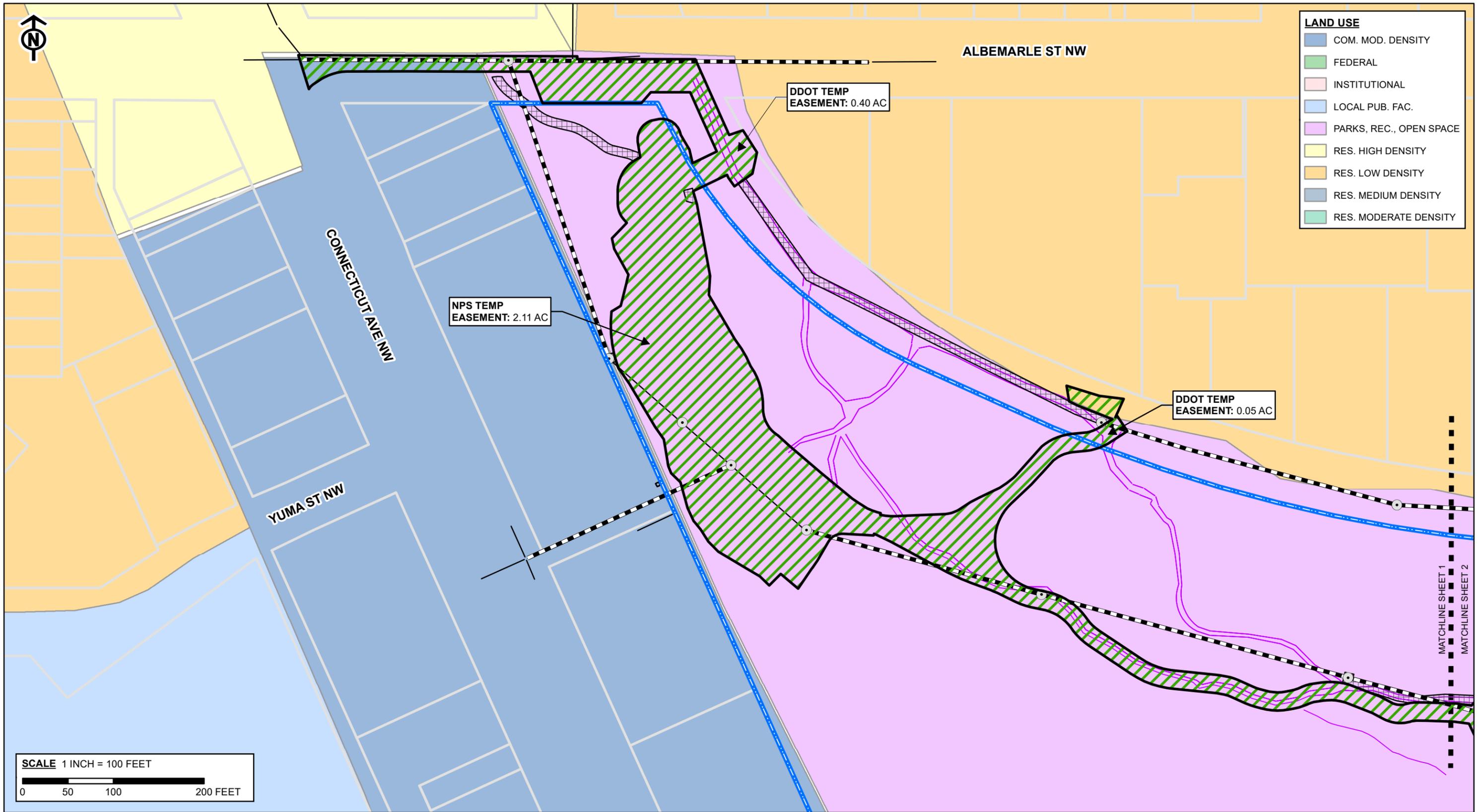
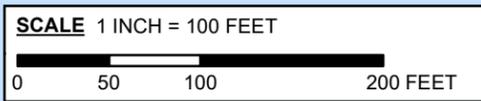


FIGURE 7
CULTURAL RESOURCES
 SOAPSTONE VALLEY PARK
 SEWER REHABILITATION
TRENCHLESS ALTERNATIVE
SHEET 1 OF 1
 WASHINGTON, D.C.



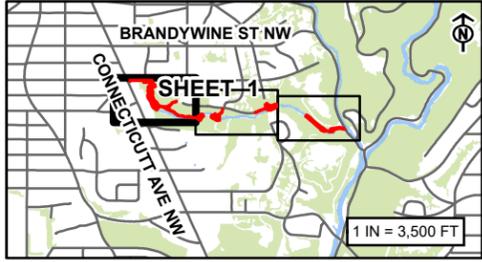
LAND USE

COM. MOD. DENSITY
FEDERAL
INSTITUTIONAL
LOCAL PUB. FAC.
PARKS, REC., OPEN SPACE
RES. HIGH DENSITY
RES. LOW DENSITY
RES. MEDIUM DENSITY
RES. MODERATE DENSITY



LEGEND

	LIMITS OF DISTURBANCE		REHAB SEWER		PROPERTY BOUNDARY
	TEMPORARY EASEMENT		REHAB MANHOLE		EXISTING SEWER
	NPS PROPERTY BOUNDARY		WALKING PATH		MATCHLINE



NOTES

1. TEMPORARY EASEMENT AREAS WILL EXPIRE AFTER CONSTRUCTION IS COMPLETE.
2. THE TRENCHLESS ALTERNATIVE WILL NOT REQUIRE ANY PERMANENT EASEMENTS.
3. D.C. WATER IS REQUIRED TO OBTAIN A SPECIAL USE PERMIT FROM NPS TO RECEIVE TEMPORARY ACCESS.

SOURCES Design, Study Area, and Trail provided by Hazen and Sawyer
DDOT. 2011. *Future Land Use*. Washington, D.C.

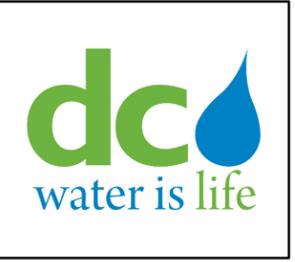
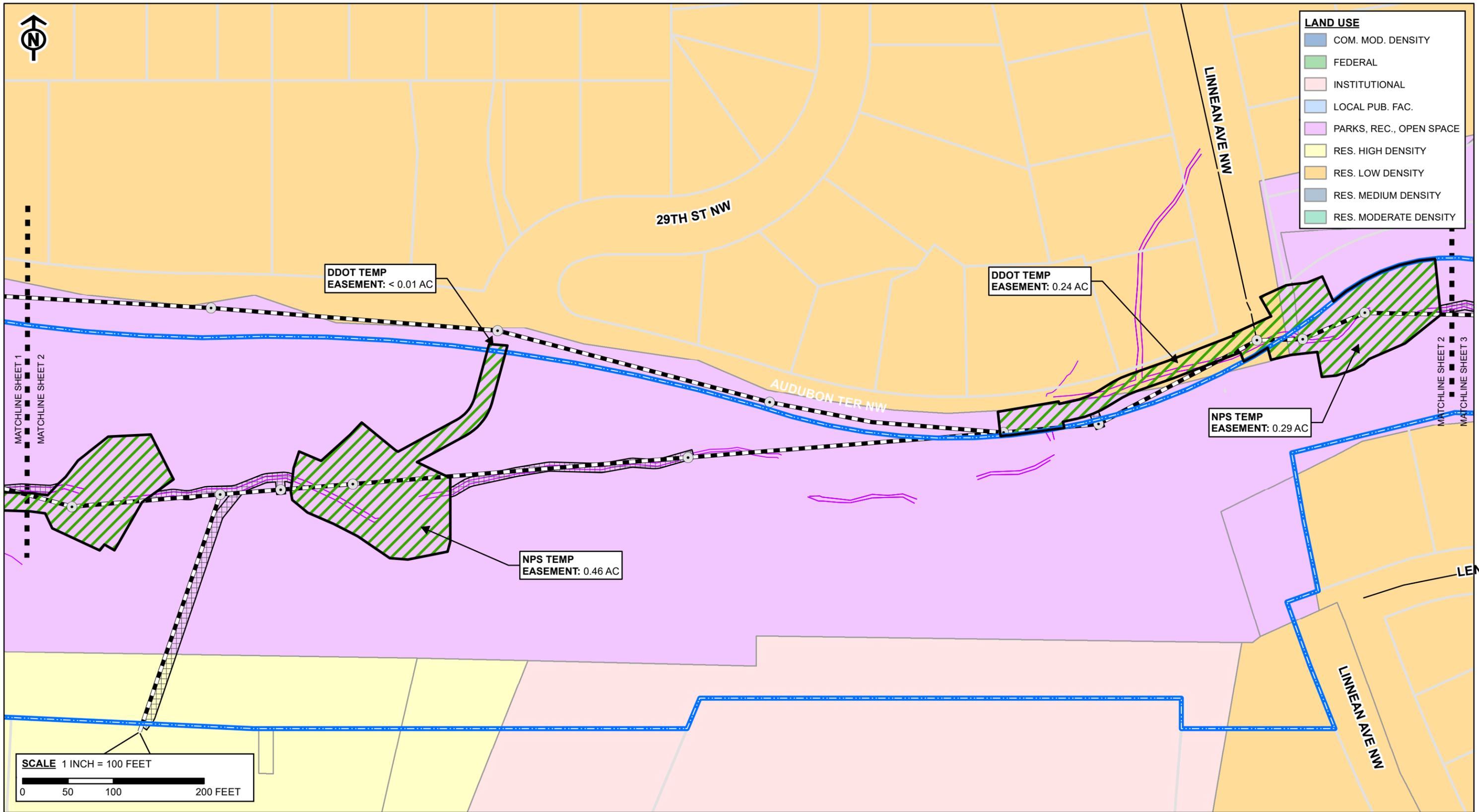


FIGURE 8
LAND USE
SOAPSTONE VALLEY PARK
SEWER REHABILITATION
TRENCHLESS ALTERNATIVE
SHEET 1 OF 3
WASHINGTON, D.C.

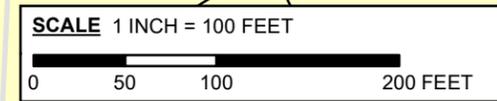


LAND USE

COM. MOD. DENSITY
FEDERAL
INSTITUTIONAL
LOCAL PUB. FAC.
PARKS, REC., OPEN SPACE
RES. HIGH DENSITY
RES. LOW DENSITY
RES. MEDIUM DENSITY
RES. MODERATE DENSITY

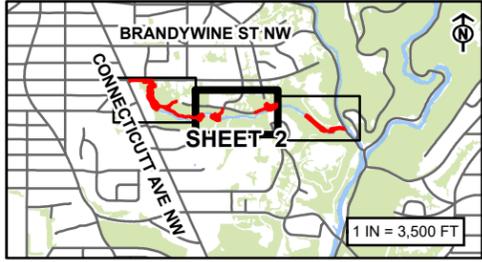
MATCHLINE SHEET 1
MATCHLINE SHEET 2

MATCHLINE SHEET 2
MATCHLINE SHEET 3



LEGEND

	LIMITS OF DISTURBANCE		REHAB SEWER		PROPERTY BOUNDARY
	TEMPORARY EASEMENT		REHAB MANHOLE		EXISTING SEWER
	NPS PROPERTY BOUNDARY		WALKING PATH		MATCHLINE



NOTES

1. TEMPORARY EASEMENT AREAS WILL EXPIRE AFTER CONSTRUCTION IS COMPLETE.
2. THE TRENCHLESS ALTERNATIVE WILL NOT REQUIRE ANY PERMANENT EASEMENTS.
3. D.C. WATER IS REQUIRED TO OBTAIN A SPECIAL USE PERMIT FROM NPS TO RECEIVE TEMPORARY ACCESS.

SOURCES Design, Study Area, and Trail provided by Hazen and Sawyer
DDOT. 2011. *Future Land Use*. Washington, D.C.

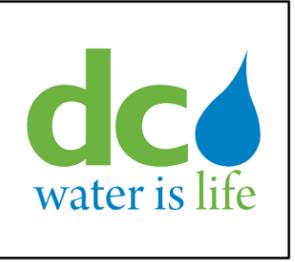
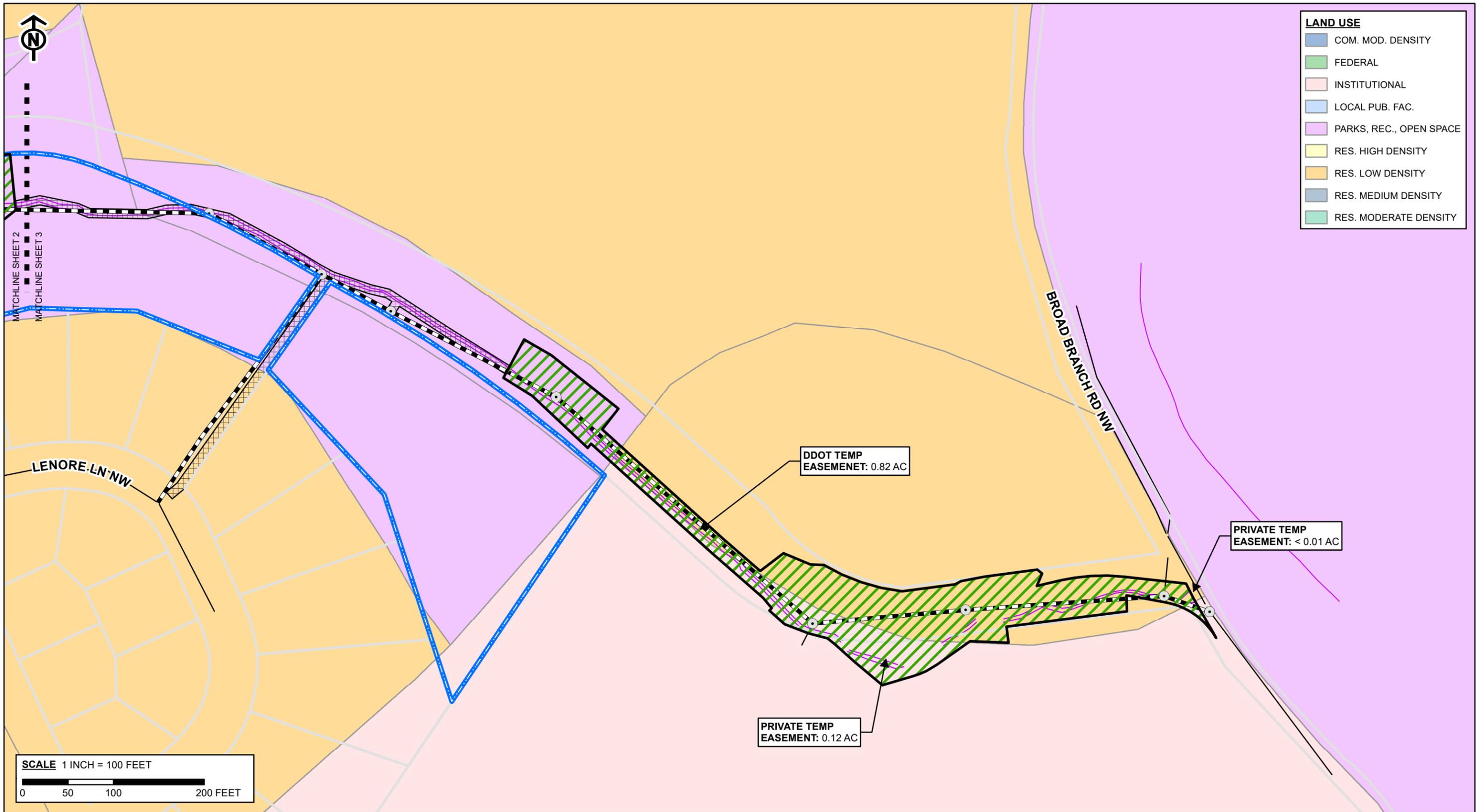


FIGURE 8
LAND USE
SOAPSTONE VALLEY PARK
SEWER REHABILITATION
TRENCHLESS ALTERNATIVE
SHEET 2 OF 3
WASHINGTON, D.C.



LAND USE

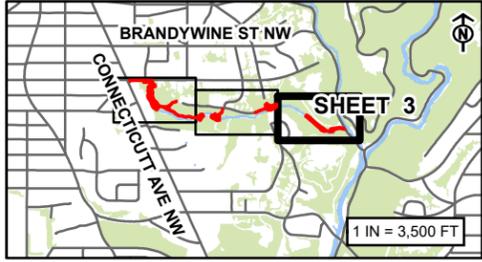
COM. MOD. DENSITY
FEDERAL
INSTITUTIONAL
LOCAL PUB. FAC.
PARKS, REC., OPEN SPACE
RES. HIGH DENSITY
RES. LOW DENSITY
RES. MEDIUM DENSITY
RES. MODERATE DENSITY

SCALE 1 INCH = 100 FEET

0 50 100 200 FEET

LEGEND

	LIMITS OF DISTURBANCE		REHAB SEWER		PROPERTY BOUNDARY
	TEMPORARY EASEMENT		REHAB MANHOLE		EXISTING SEWER
	NPS PROPERTY BOUNDARY		WALKING PATH		MATCHLINE



NOTES

1. TEMPORARY EASEMENT AREAS WILL EXPIRE AFTER CONSTRUCTION IS COMPLETE.
2. THE TRENCHLESS ALTERNATIVE WILL NOT REQUIRE ANY PERMANENT EASEMENTS.
3. D.C. WATER IS REQUIRED TO OBTAIN A SPECIAL USE PERMIT FROM NPS TO RECEIVE TEMPORARY ACCESS.

SOURCES Design, Study Area, and Trail provided by Hazen and Sawyer
DDOT. 2011. *Future Land Use*. Washington, D.C.

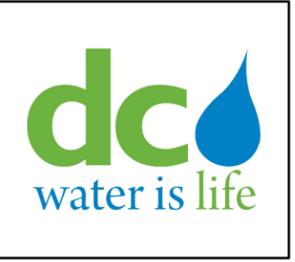


FIGURE 8
LAND USE

SOAPSTONE VALLEY PARK
SEWER REHABILITATION
TRENCHLESS ALTERNATIVE

SHEET 3 OF 3
WASHINGTON, D.C.