

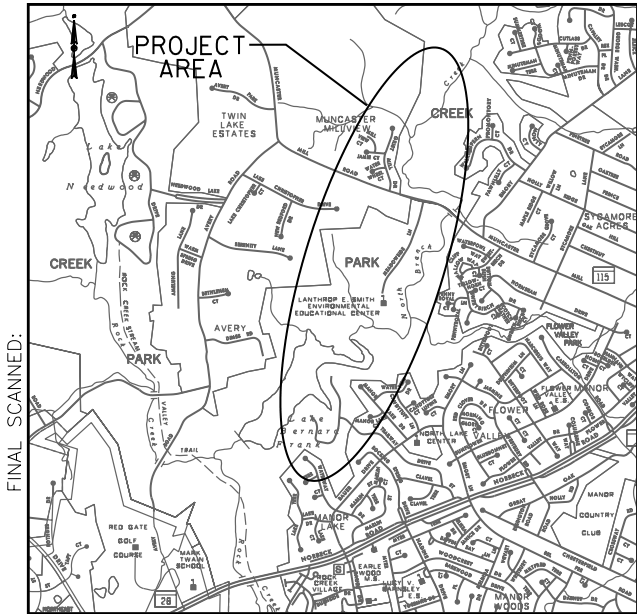
Attachment A

30% SITE PLANS

FINAL SCANNED:

PLAN SCANNED:

PARK CODE: G11



VICINITY MAP  
SCALE: 1" = 2,000'

The Maryland National Capital Park and Planning Commission  
**ROCK CREEK REGIONAL PARK  
 NORTH BRANCH TRAIL**  
**30% FACILITY PLANS**

6700 NEEDWOOD ROAD, ROCKVILLE, MD. 20855

WSSC GRIDS 222NW05, 223NW05, 220NW05, 221NW05  
 TAX MAP GRID HS21, HS23

SHEET INDEX

SHEET NO.	TITLE
1	TITLE SHEET
2-14	SITE PLAN SHEETS
15-17	TYPICAL SECTIONS

APPLICANT:  
 MARIAN ELSASSER, PROJECT MANAGER  
 M-NCPPC, MONTGOMERY COUNTY  
 PARK DEVELOPMENT DIVISION  
 9500 BRUNETT AVENUE  
 SILVER SPRING, MD 20901  
 PHONE: 301-495-3597

Developer's Certificate

The Undersigned agrees to execute all the features of the Site Plan Approval No. \_\_\_\_\_ including Approval Conditions, Development Program, and Certified Site Plan.

Developer: \_\_\_\_\_ Company \_\_\_\_\_ Contact Person \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Signature: \_\_\_\_\_



PLAN KEY MAP  
SCALE: 1" = 400'

**GPI** GREENMAN-PEDERSEN, INC.  
 ENGINEERS, ARCHITECTS, PLANNERS, CONSTRUCTION ENGINEERS & INSPECTORS  
 10977 GUILFORD RD., ANNAPOLIS JUNCTION, MD, 20701  
 WASH. (301) 470-2772 BAL T. (410) 880-3055  
 FAX: (301) 490-2649 www.gpinet.com

DESIGN		REVIEW AND APPROVAL		REVIEW AND APPROVAL	
Landscape Architect	Date	Checked By:	Park Development	Date	Superintendent of Parks
Architect	Date	Checked By:	Central Maintenance	Date	Park Police
Engineer	Date	Checked By:	Region	Date	
Drawn by	Date	Checked By:	Natural Resources	Date	



The Maryland-National Capital Park  
 and Planning Commission  
 Montgomery County Department of Park and Planning  
 9500 Brunett Avenue  
 Silver Spring, Maryland 20901  
 (301) 495-2535

PLANS ISSUED FOR CONSTRUCTION DRAWINGS

REVISIONS		
Rev. No.	Date	Description

Professional Certification:

I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the state of Maryland license No. 19916 Expiration Date: 01/14/2015

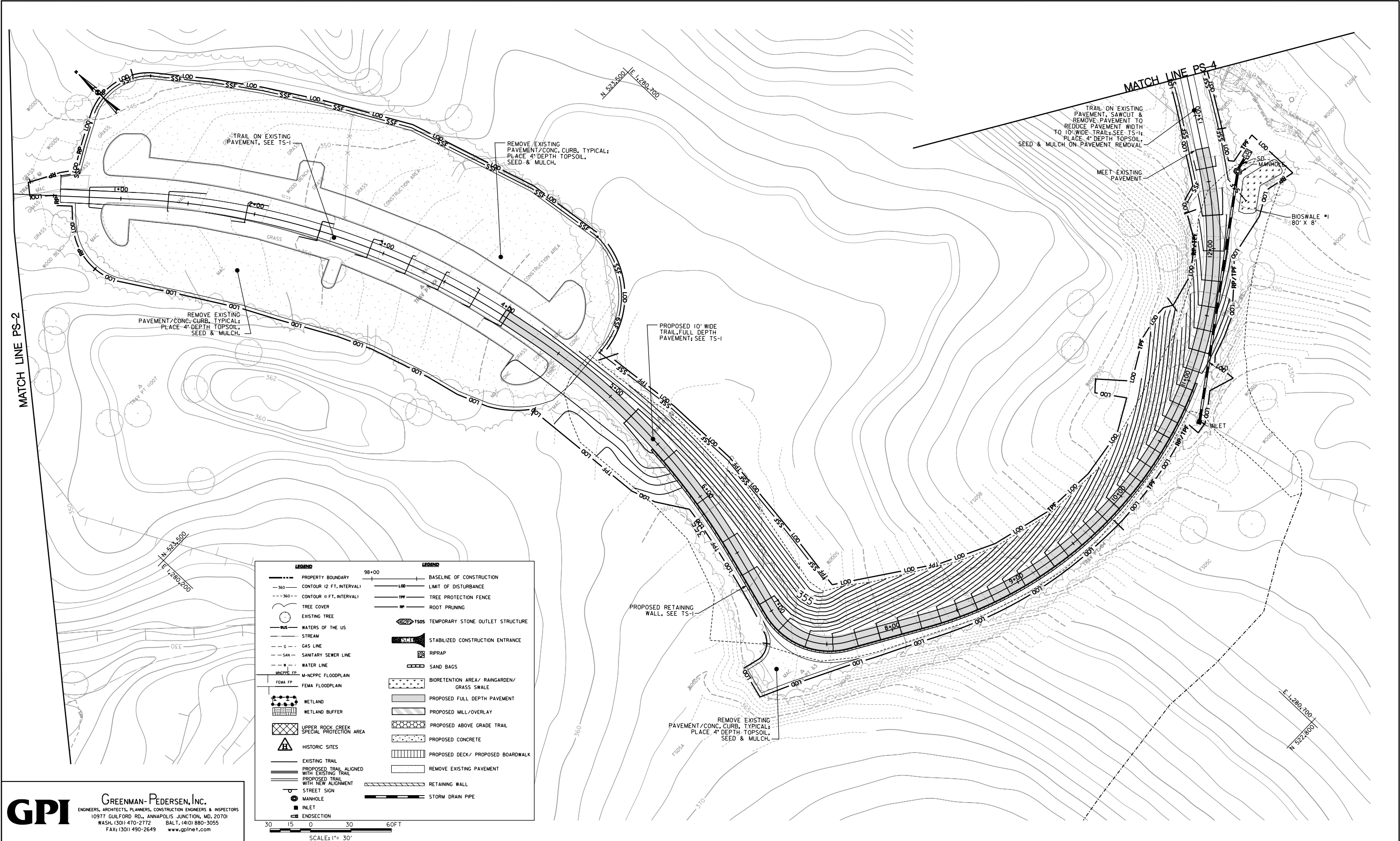
PROJECT  
 SCALE: AS SHOWN  
 DATE: JUNE 2013

North Branch Trail  
**30% FACILITY PLANS**  
 MONTGOMERY COUNTY, MD

FINAL SCANNED:

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LEGEND		LEGEND	
—	PROPERTY BOUNDARY	—	BASELINE OF CONSTRUCTION
---	CONTOUR (2 FT. INTERVAL)	---	LIMIT OF DISTURBANCE
---	CONTOUR (1 FT. INTERVAL)	---	TREE PROTECTION FENCE
○	TREE COVER	---	ROOT PRUNING
○	EXISTING TREE	○	TSOS TEMPORARY STONE OUTLET STRUCTURE
—	WATERS OF THE US	---	STABILIZED CONSTRUCTION ENTRANCE
—	STREAM	---	RIPRAP
---	GAS LINE	---	SAND BAGS
---	SANITARY SEWER LINE	---	BIORETENTION AREA/ RAINGARDEN/ GRASS SWALE
---	WATER LINE	---	PROPOSED FULL DEPTH PAVEMENT
---	M-NCPPC FLOODPLAIN	---	PROPOSED MILL/OVERLAY
---	FEMA FLOODPLAIN	---	PROPOSED ABOVE GRADE TRAIL
---	WETLAND	---	PROPOSED CONCRETE
---	WETLAND BUFFER	---	PROPOSED DECK/ PROPOSED BOARDWALK
---	UPPER ROCK CREEK SPECIAL PROTECTION AREA	---	REMOVE EXISTING PAVEMENT
---	HISTORIC SITES	---	RETAINING WALL
---	EXISTING TRAIL	---	STORM DRAIN PIPE
---	PROPOSED TRAIL, ALIGNED WITH EXISTING TRAIL		
---	PROPOSED TRAIL WITH NEW ALIGNMENT		
○	STREET SIGN		
○	MANHOLE		
○	INLET		
---	ENDSECTION		

DESIGN	REVIEW AND APPROVAL	REVIEW AND APPROVAL
Landscape Architect	Park Development	Superintendent of Parks
Architect	Central Maintenance	Park Police
Engineer	Region	
Drawn by	Natural Resources	



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PROJECT  
**North Branch Trail**  
 30%  
**SITE PLAN SHEET 3**  
 MONTGOMERY COUNTY, MD

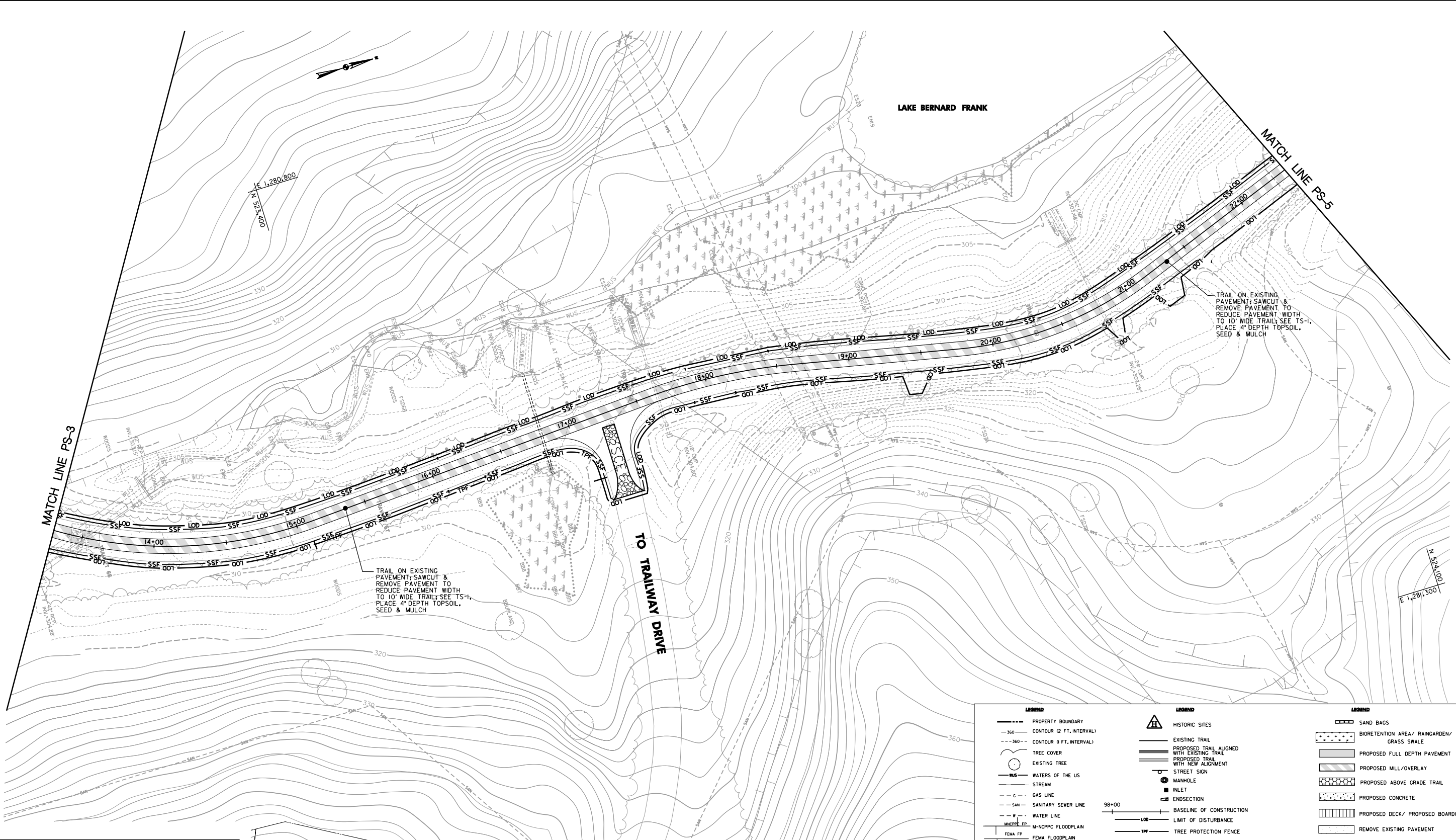
SCALE: AS SHOWN  
 DATE: JUNE 2013

PS-3  
 SHEET 2 OF 17

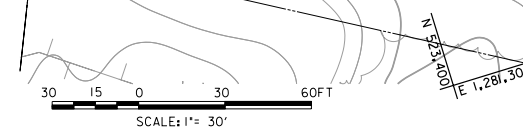
FINAL SCANNED:

PLAN SCANNED:

PARK CODE:G11



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<p><b>LEGEND</b></p> <ul style="list-style-type: none"> <li>PROPERTY BOUNDARY</li> <li>360 CONTOUR (2 FT. INTERVAL)</li> <li>360 CONTOUR (1 FT. INTERVAL)</li> <li>TREE COVER</li> <li>EXISTING TREE</li> <li>WATERS OF THE US</li> <li>STREAM</li> <li>GAS LINE</li> <li>SANITARY SEWER LINE</li> <li>WATER LINE</li> <li>M-NCPPC FLOODPLAIN</li> <li>FEMA FP FLOODPLAIN</li> <li>WETLAND</li> <li>WETLAND BUFFER</li> <li>UPPER ROCK CREEK SPECIAL PROTECTION AREA</li> </ul>	<p><b>LEGEND</b></p> <ul style="list-style-type: none"> <li>HISTORIC SITES</li> <li>EXISTING TRAIL</li> <li>PROPOSED TRAIL ALIGNED WITH EXISTING TRAIL</li> <li>PROPOSED TRAIL WITH NEW ALIGNMENT</li> <li>STREET SIGN</li> <li>MANHOLE</li> <li>INLET</li> <li>ENDSECTION</li> <li>BASELINE OF CONSTRUCTION</li> <li>LIMIT OF DISTURBANCE</li> <li>TREE PROTECTION FENCE</li> <li>ROOT PRUNING</li> <li>TSOS TEMPORARY STONE OUTLET STRUCTURE</li> <li>STABILIZED CONSTRUCTION ENTRANCE</li> <li>RIPRAP</li> </ul>	<p><b>LEGEND</b></p> <ul style="list-style-type: none"> <li>SAND BAGS</li> <li>BIORETENTION AREA/ RAINGARDEN/ GRASS SWALE</li> <li>PROPOSED FULL DEPTH PAVEMENT</li> <li>PROPOSED MILL/OVERLAY</li> <li>PROPOSED ABOVE GRADE TRAIL</li> <li>PROPOSED CONCRETE</li> <li>PROPOSED DECK/ PROPOSED BOARDWALK</li> <li>REMOVE EXISTING PAVEMENT</li> <li>RETAINING WALL</li> <li>STORM DRAIN PIPE</li> </ul>
---	---	---

DESIGN			REVIEW AND APPROVAL			REVIEW AND APPROVAL							
Landscape Architect	Date	Checked By:	Park Development	Date	Superintendent of Parks	Date	Architect	Date	Checked By:	Central Maintenance	Date	Park Police	Date
Engineer	Date	Checked By:	Region	Date		Date		Date	Checked By:	Natural Resources	Date		Date



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**North Branch Trail**  
 30%  
**SITE PLAN SHEET 4**  
 MONTGOMERY COUNTY, MD

PS-4

PROJECT  
 SCALE: AS SHOWN  
 DATE: JUNE 2013

LEGEND		LEGEND	
---	PROPERTY BOUNDARY	---	BASELINE OF CONSTRUCTION
-360-	CONTOUR (2 FT. INTERVAL)	---	LIMIT OF DISTURBANCE
-360-	CONTOUR (1 FT. INTERVAL)	---	TREE PROTECTION FENCE
( )	TREE COVER	---	ROOT PRUNING
( )	EXISTING TREE	TSOS	TEMPORARY STONE OUTLET STRUCTURE
WUS	WATERS OF THE US	SUE	STABILIZED CONSTRUCTION ENTRANCE
---	STREAM	---	RIPRAP
---	GAS LINE	---	SAND BAGS
---	SANITARY SEWER LINE	---	BIORETENTION AREA/ RAINGARDEN/ GRASS SWALE
---	WATER LINE	---	PROPOSED FULL DEPTH PAVEMENT
---	M-NCPPC FLOODPLAIN	---	PROPOSED MILL/OVERLAY
---	FEMA FLOODPLAIN	---	PROPOSED ABOVE GRADE TRAIL
---	WETLAND	---	PROPOSED CONCRETE
---	WETLAND BUFFER	---	PROPOSED DECK/ PROPOSED BOARDWALK
---	UPPER ROCK CREEK SPECIAL PROTECTION AREA	---	REMOVE EXISTING PAVEMENT
---	HISTORIC SITES	---	RETAINING WALL
---	EXISTING TRAIL	---	STORM DRAIN PIPE
---	PROPOSED TRAIL ALIGNED WITH EXISTING TRAIL		
---	PROPOSED TRAIL WITH NEW ALIGNMENT		
---	STREET SIGN		
---	MANHOLE		
---	INLET		
---	ENDSECTION		



FINAL SCANNED:

PLAN SCANNED:

PARK CODE:G11

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Drawn by	Natural Resources	



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PROJECT

**North Branch Trail**

**30%**

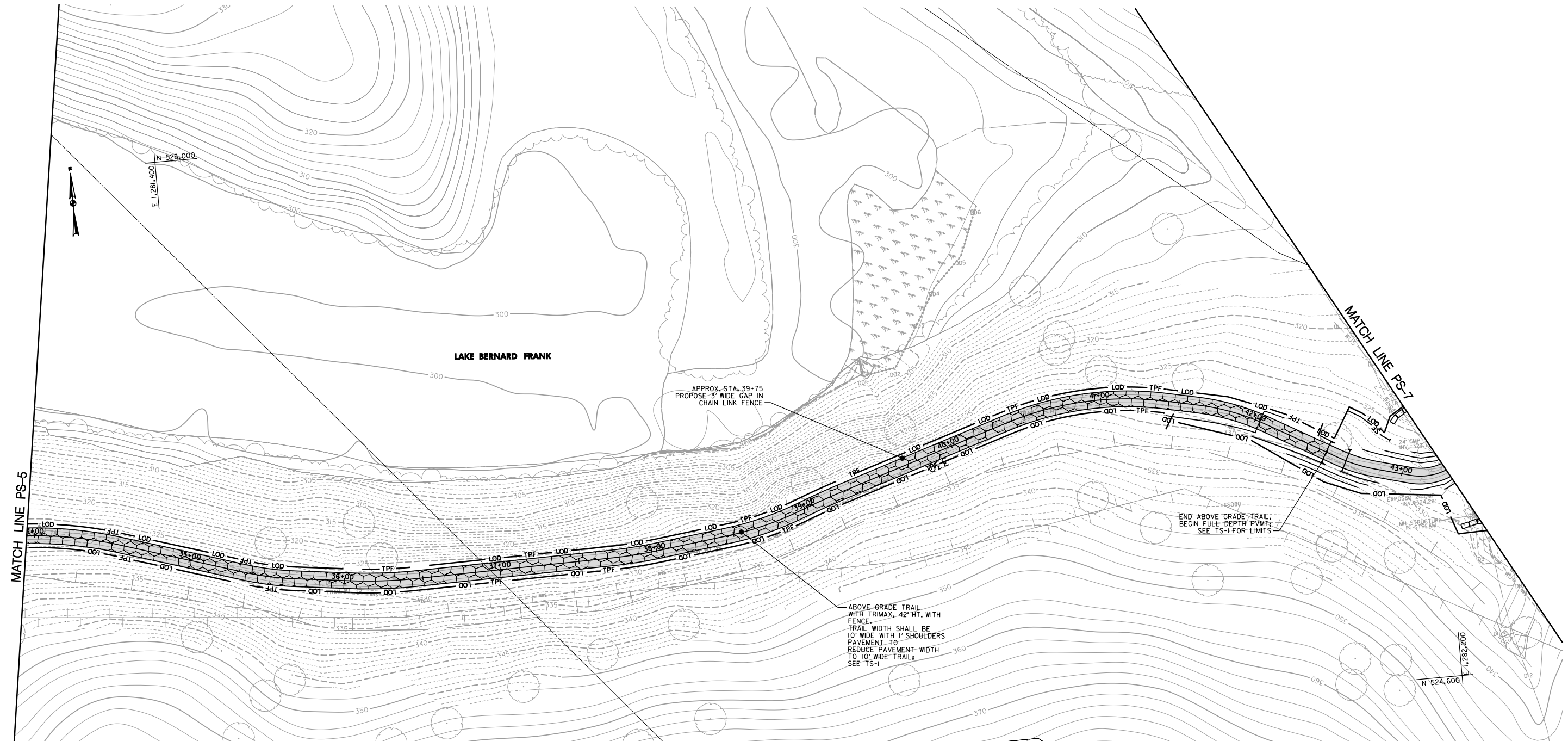
**SITE PLAN SHEET 5**

**MONTGOMERY COUNTY, MD**

SCALE: AS SHOWN  
DATE: JUNE 2013

PS-5

SHEET 4 OF 17



**LEGEND**

- PROPERTY BOUNDARY
- 360- CONTOUR (2 FT. INTERVAL)
- 360- CONTOUR (1 FT. INTERVAL)
- ( ) TREE COVER
- ( ) EXISTING TREE
- WATER OF THE US
- STREAM
- G- GAS LINE
- SAN- SANITARY SEWER LINE
- W- WATER LINE
- UNCCS FP M-NCCP FLOODPLAIN
- FEMA FP FEMA FLOODPLAIN
- WETLAND
- WETLAND BUFFER
- UPPER ROCK CREEK SPECIAL PROTECTION AREA

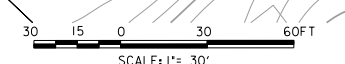
**LEGEND**

- (H) HISTORIC SITES
- EXISTING TRAIL
- PROPOSED TRAIL ALIGNED WITH EXISTING TRAIL
- PROPOSED TRAIL WITH NEW ALIGNMENT
- STREET SIGN
- MANHOLE
- INLET
- ENDSECTION
- 98+00 BASELINE OF CONSTRUCTION
- LOD LIMIT OF DISTURBANCE
- TPF TREE PROTECTION FENCE
- ROOT PRUNING
- 1505 TEMPORARY STONE OUTLET STRUCTURE
- SCRE STABILIZED CONSTRUCTION ENTRANCE
- RI PRAP

**LEGEND**

- SAND BAGS
- BIORETENTION AREA/ RAINGARDEN/ GRASS SWALE
- PROPOSED FULL DEPTH PAVEMENT
- PROPOSED MILL/OVERLAY
- PROPOSED ABOVE GRADE TRAIL
- PROPOSED CONCRETE
- PROPOSED DECK/ PROPOSED BOARDWALK
- REMOVE EXISTING PAVEMENT
- RETAINING WALL
- STORM DRAIN PIPE

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Landscape Architect	Date	Checked By:	Park Development	Date	Superintendent of Parks	Date		
Architect	Date	Checked By:	Central Maintenance	Date	Park Police	Date		
Engineer	Date	Checked By:	Region	Date		Date		
Drawn by	Date	Checked By:	Natural Resources	Date		Date		



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 Expiration Date: 01/14/2015

PROJECT

**North Branch Trail**  
**30% FACILITY PLANS**  
**SITE PLAN SHEET 6**  
**MONTGOMERY COUNTY, MD**

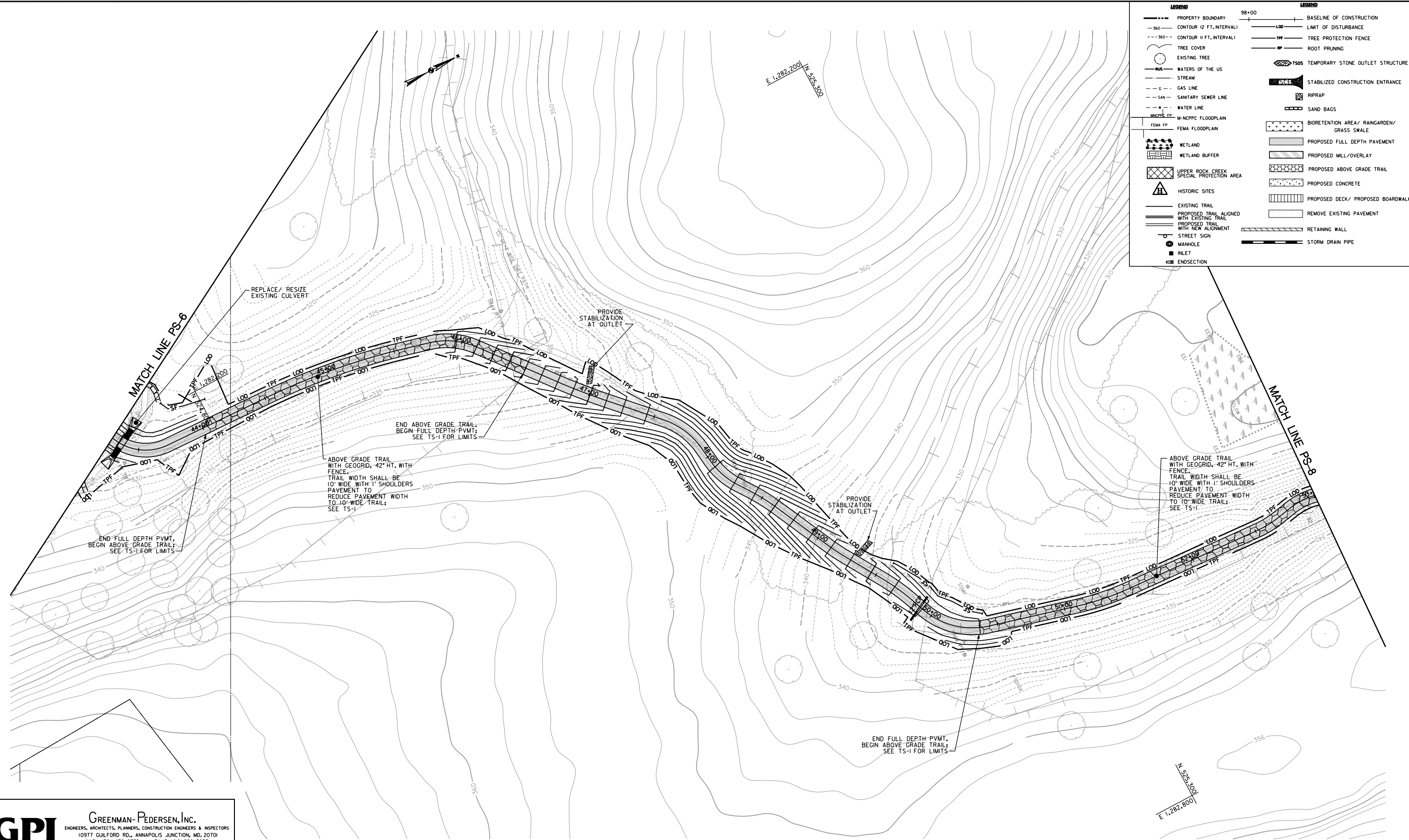
SCALE: AS SHOWN  
 DATE: JUNE 2013

SHEET 5 OF 17

FINAL SCANNED:

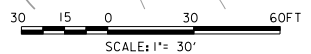
PLAN SCANNED:

PARK CODE:G11



LEGEND	
---	PROPERTY BOUNDARY
-360	CONTOUR (2 FT. INTERVAL)
-360	CONTOUR (1 FT. INTERVAL)
(circle)	TREE COVER
(circle with cross)	EXISTING TREE
(circle with dot)	WATERS OF THE US
(line)	STREAM
(dashed line)	GAS LINE
(dashed line)	SANITARY SEWER LINE
(dashed line)	WATER LINE
(dashed line)	M-NCPPC FLOODPLAIN
(dashed line)	FEMA FLOODPLAIN
(hatched area)	WETLAND
(hatched area)	WETLAND BUFFER
(hatched area)	UPPER ROCK CREEK SPECIAL PROTECTION AREA
(triangle)	HISTORIC SITES
(line)	PROPOSED TRAIL ALIGNED WITH EXISTING TRAIL
(line)	PROPOSED TRAIL WITH NEW ALIGNMENT
(circle)	STREET SIGN
(circle)	MANHOLE
(square)	INLET
(square)	ENDSECTION
(line)	BASELINE OF CONSTRUCTION
(line)	LIMIT OF DISTURBANCE
(line)	TREE PROTECTION FENCE
(line)	ROOT PRUNING
(hatched area)	TEMPORARY STONE OUTLET STRUCTURE
(hatched area)	STABILIZED CONSTRUCTION ENTRANCE
(hatched area)	RIPRAP
(hatched area)	SAND BAGS
(hatched area)	BIORETENTION AREA/ RAINGARDEN/ GRASS SWALE
(hatched area)	PROPOSED FULL DEPTH PAVEMENT
(hatched area)	PROPOSED MILL/OVERLAY
(hatched area)	PROPOSED ABOVE GRADE TRAIL
(hatched area)	PROPOSED CONCRETE
(hatched area)	PROPOSED DECK/ PROPOSED BOARDWALK
(hatched area)	REMOVE EXISTING PAVEMENT
(hatched area)	RETAINING WALL
(hatched area)	STORM DRAIN PIPE

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PROJECT  
**North Branch Trail**  
 30%  
**SITE PLAN SHEET 7**  
 MONTGOMERY COUNTY, MD

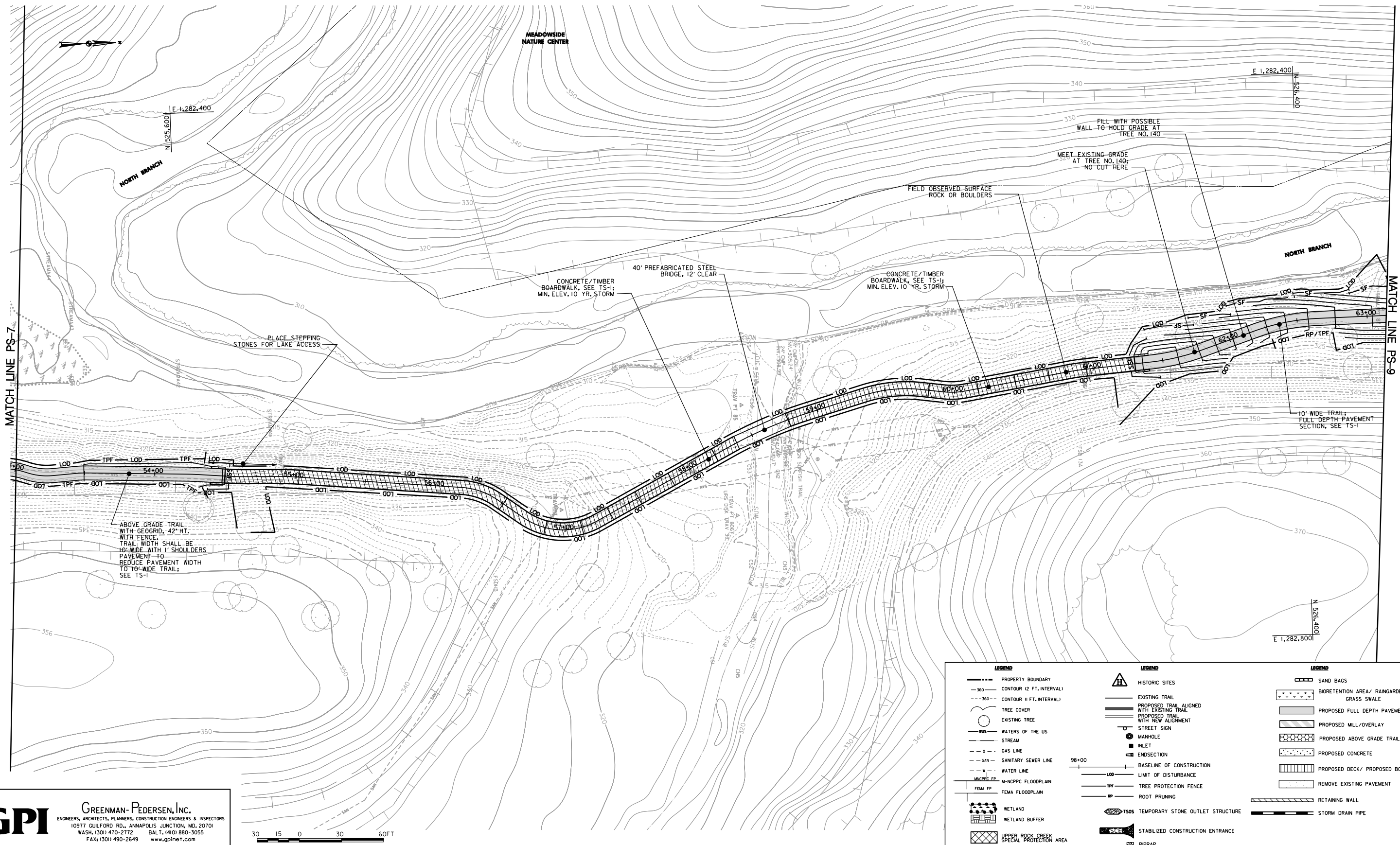
SCALE: AS SHOWN  
 DATE: JUNE 2013

PS-7  
 SHEET 6 OF 17

FINAL\_SCANNED:

PLAN\_SCANNED:

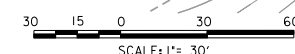
PARK\_CODE:G11



ABOVE GRADE TRAIL WITH GEOGRID, 42" HT. TRAIL WIDTH SHALL BE 10' WIDE WITH 1' SHOULDERS PAVEMENT TO REDUCE PAVEMENT WIDTH TO 10' WIDE TRAIL; SEE TS-1

<p><b>LEGEND</b></p> <ul style="list-style-type: none"> <li>--- PROPERTY BOUNDARY</li> <li>-360- CONTOUR (2 FT. INTERVAL)</li> <li>-360- CONTOUR (1 FT. INTERVAL)</li> <li>○ TREE COVER</li> <li>○ EXISTING TREE</li> <li>WATER OF THE US</li> <li>STREAM</li> <li>-G- GAS LINE</li> <li>-SAN- SANITARY SEWER LINE</li> <li>-W- WATER LINE</li> <li>UNCCS-FP M-NCPPC FLOODPLAIN</li> <li>FEMA-FP FEMA FLOODPLAIN</li> <li>WETLAND</li> <li>WETLAND BUFFER</li> <li>UPPER ROCK CREEK SPECIAL PROTECTION AREA</li> </ul>	<p><b>LEGEND</b></p> <ul style="list-style-type: none"> <li>△ HISTORIC SITES</li> <li>EXISTING TRAIL</li> <li>PROPOSED TRAIL ALIGNED WITH EXISTING TRAIL</li> <li>PROPOSED TRAIL WITH NEW ALIGNMENT</li> <li>○ STREET SIGN</li> <li>○ MANHOLE</li> <li>○ INLET</li> <li>□ ENDSECTION</li> <li>98+00 BASELINE OF CONSTRUCTION</li> <li>LOD LIMIT OF DISTURBANCE</li> <li>TPF TREE PROTECTION FENCE</li> <li>RP ROOT PRUNING</li> <li>1505 TEMPORARY STONE OUTLET STRUCTURE</li> <li>STABILIZED CONSTRUCTION ENTRANCE</li> <li>RIPRAP</li> </ul>	<p><b>LEGEND</b></p> <ul style="list-style-type: none"> <li>○ SAND BAGS</li> <li>BIORETENTION AREA/ RAINGARDEN/ GRASS SWALE</li> <li>PROPOSED FULL DEPTH PAVEMENT</li> <li>PROPOSED MILL/OVERLAY</li> <li>PROPOSED ABOVE GRADE TRAIL</li> <li>PROPOSED CONCRETE</li> <li>PROPOSED DECK/ PROPOSED BOARDWALK</li> <li>REMOVE EXISTING PAVEMENT</li> <li>RETAINING WALL</li> <li>STORM DRAIN PIPE</li> </ul>
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PROJECT **North Branch Trail** **PS-8**

**30% SITE PLAN SHEET 8**

**MONTGOMERY COUNTY, MD**

SCALE: AS SHOWN  
 DATE: JUNE 2013

SHEET 7 OF 17



FINAL SCANNED:

PLAN SCANNED:

PARK CODE:G11

**LEGEND**

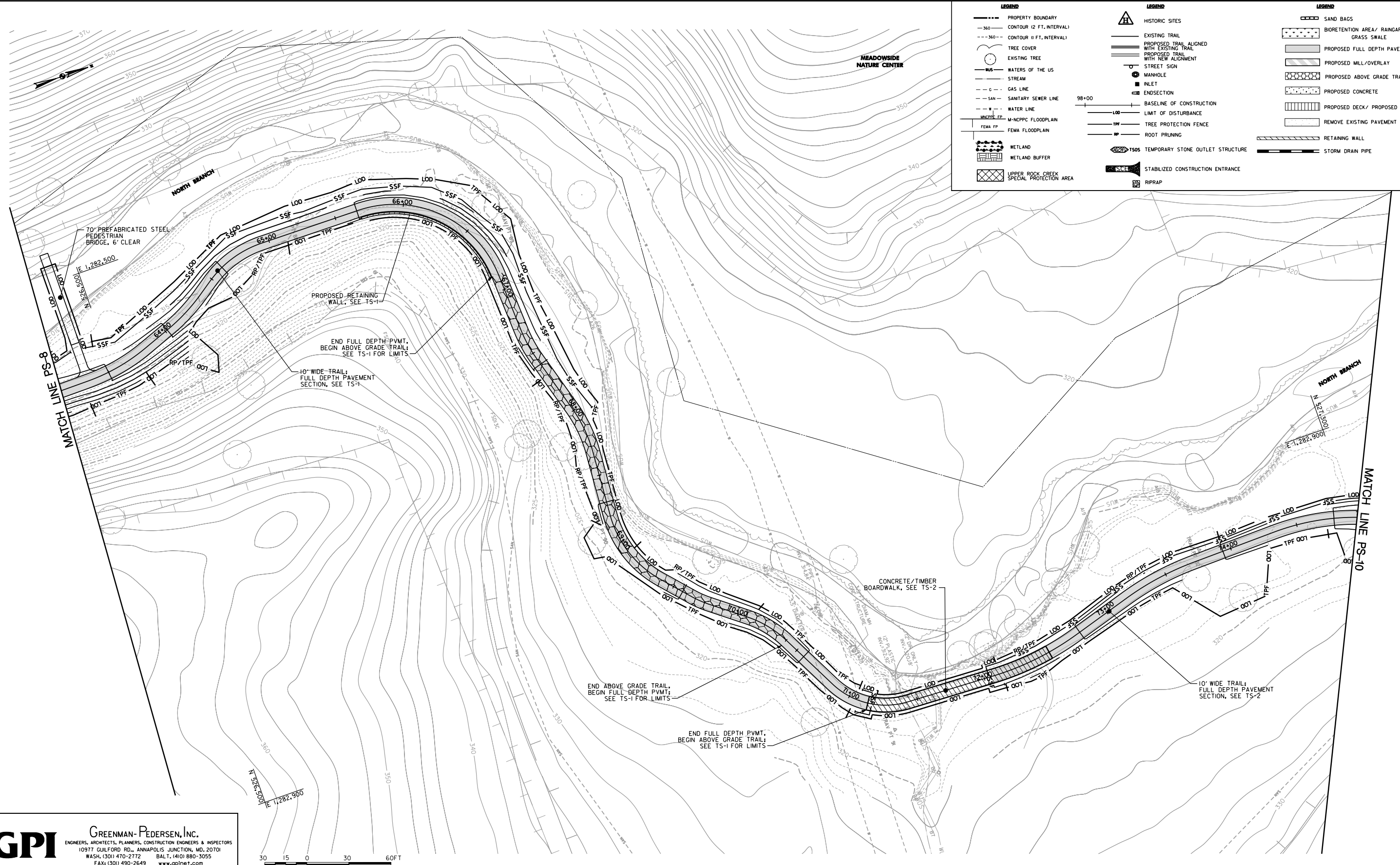
- PROPERTY BOUNDARY
- CONTOUR (2 FT. INTERVAL)
- CONTOUR (1 FT. INTERVAL)
- TREE COVER
- EXISTING TREE
- WATERS OF THE US
- STREAM
- GAS LINE
- SANITARY SEWER LINE
- WATER LINE
- M-NCPPC FLOODPLAIN
- FEMA FLOODPLAIN
- WETLAND
- WETLAND BUFFER
- UPPER ROCK CREEK SPECIAL PROTECTION AREA

**LEGEND**

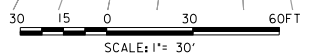
- HISTORIC SITES
- EXISTING TRAIL
- PROPOSED TRAIL ALIGNED WITH EXISTING TRAIL
- PROPOSED TRAIL WITH NEW ALIGNMENT
- STREET SIGN
- MANHOLE
- INLET
- ENDSECTION
- BASELINE OF CONSTRUCTION
- LIMIT OF DISTURBANCE
- TREE PROTECTION FENCE
- ROOT PRUNING
- TEMPORARY STONE OUTLET STRUCTURE
- STABILIZED CONSTRUCTION ENTRANCE
- RIPRAP

**LEGEND**

- SAND BAGS
- BIORETENTION AREA/ RAINGARDEN/ GRASS SWALE
- PROPOSED FULL DEPTH PAVEMENT
- PROPOSED MILL/OVERLAY
- PROPOSED ABOVE GRADE TRAIL
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- PROPOSED DECK/ PROPOSED BOARDWALK
- REMOVE EXISTING PAVEMENT
- RETAINING WALL
- STORM DRAIN PIPE



**GPI** GREENMAN-PEDERSEN, INC.  
 ENGINEERS, ARCHITECTS, PLANNERS, CONSTRUCTION ENGINEERS & INSPECTORS  
 10977 GULFORD RD., ANNAPOLIS JUNCTION, MD, 20701  
 WASH. (301) 470-2772 BAL T. (410) 880-3055  
 FAX: (301) 490-2649 www.gpinet.com



DESIGN		REVIEW AND APPROVAL		REVIEW AND APPROVAL	
Landscape Architect	Date	Checked By:	Park Development	Date	Superintendent of Parks
Architect	Date	Checked By:	Central Maintenance	Date	Park Police
Engineer	Date	Checked By:	Region	Date	
Drawn by	Date	Checked By:	Natural Resources	Date	



**The Maryland-National Capital Park and Planning Commission**  
 Montgomery County Department of Park and Planning  
 9500 Brunett Avenue  
 Silver Spring, Maryland 20901  
 (301) 495-2335

PLANS ISSUED FOR CONSTRUCTION DRAWINGS

REVISIONS		
Rev. No.	Date	Description

**Professional Certification:**  
 I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the state of Maryland license No. 19916 Expiration Date: 01/14/2015

PROJECT  
**North Branch Trail**  
**30% SITE PLAN SHEET 9**  
 MONTGOMERY COUNTY, MD

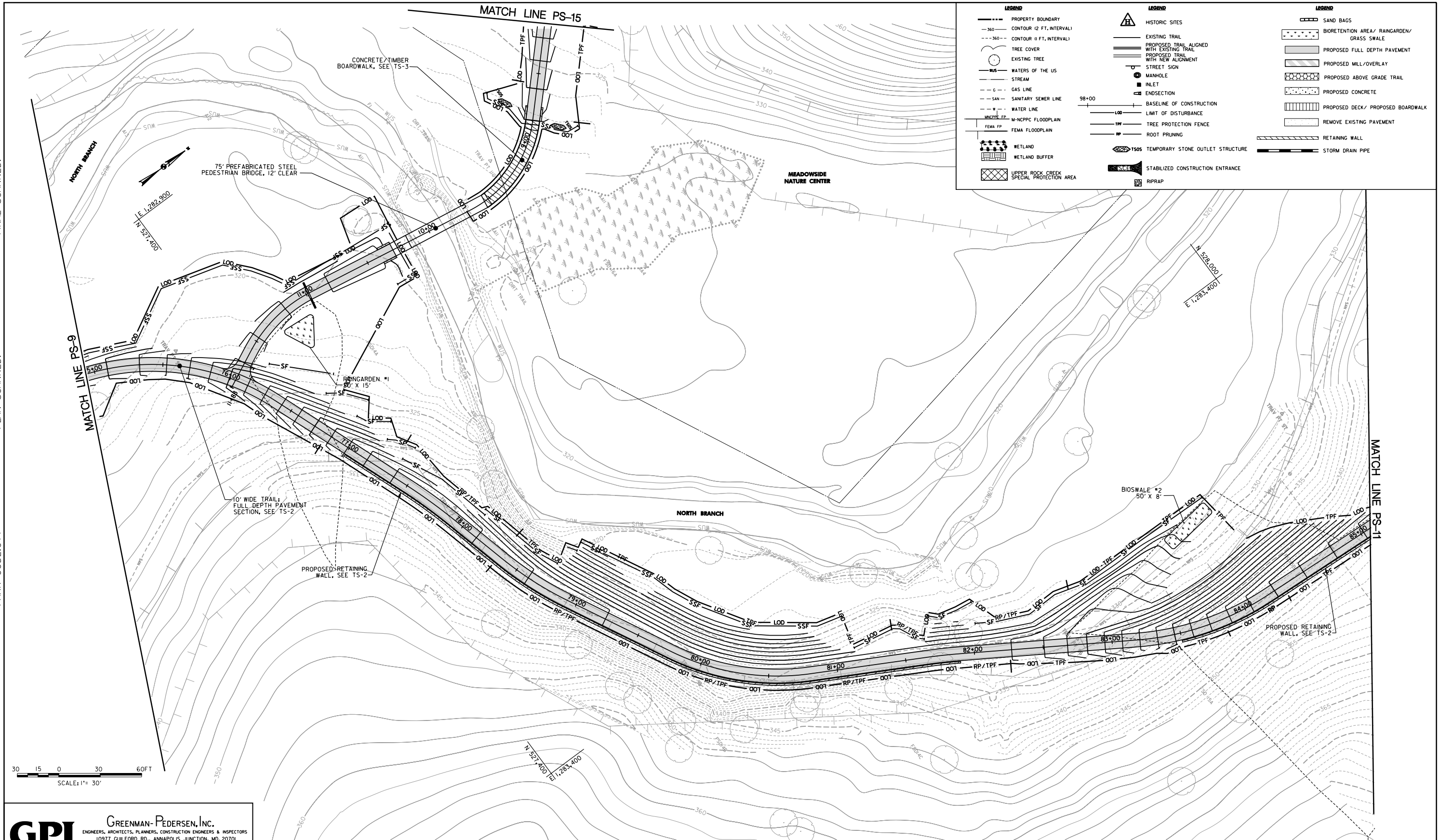
SCALE: AS SHOWN  
 DATE: JUNE 2013

PS-9

FINAL SCANNED:

PLAN SCANNED:

PARK CODE:G11



LEGEND		LEGEND		LEGEND	
---	PROPERTY BOUNDARY	▲	HISTORIC SITES	□	SAND BAGS
- - - 360	CONTOUR (2 FT. INTERVAL)	—	EXISTING TRAIL	□	BIORETENTION AREA/ RAINGARDEN/ GRASS SWALE
○	TREE COVER	—	PROPOSED TRAIL ALIGNED WITH EXISTING TRAIL	□	PROPOSED FULL DEPTH PAVEMENT
○	EXISTING TREE	—	PROPOSED TRAIL WITH NEW ALIGNMENT	□	PROPOSED MILL/OVERLAY
—	WATERS OF THE US	○	STREET SIGN	□	PROPOSED ABOVE GRADE TRAIL
—	STREAM	○	MANHOLE	□	PROPOSED CONCRETE
— G —	GAS LINE	○	INLET	□	PROPOSED DECK/ PROPOSED BOARDWALK
— SAN —	SANITARY SEWER LINE	○	ENDSECTION	□	REMOVE EXISTING PAVEMENT
— W —	WATER LINE	—	BASELINE OF CONSTRUCTION	□	RETAINING WALL
— MNCPPC FP —	M-NCPPC FLOODPLAIN	—	LIMIT OF DISTURBANCE	□	STORM DRAIN PIPE
— FEMA FP —	FEMA FLOODPLAIN	—	TREE PROTECTION FENCE	□	
■	WETLAND	○	ROOT PRUNING	□	
■	WETLAND BUFFER	○	TSOS TEMPORARY STONE OUTLET STRUCTURE	□	
■	UPPER ROCK CREEK SPECIAL PROTECTION AREA	○	STABILIZED CONSTRUCTION ENTRANCE	□	
		○	RIPRAP	□	

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 WASH. (301) 470-2172 BALT. (410) 880-3055  
 FAX: (301) 490-2649 www.gpinet.com

DESIGN		REVIEW AND APPROVAL		REVIEW AND APPROVAL	
Landscape Architect	Date	Checked By:	Park Development	Date	Superintendent of Parks
Architect	Date	Checked By:	Central Maintenance	Date	Park Police
Engineer	Date	Checked By:	Region	Date	
Drawn by	Date	Checked By:	Natural Resources	Date	



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REVISIONS		
Rev. No.	Date	Description

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 Expiration Date: 01/14/2015

PROJECT  
**North Branch Trail**  
**30%  
SITE PLAN SHEET 10**  
**MONTGOMERY COUNTY, MD**

SCALE: AS SHOWN  
 DATE: JUNE 2013

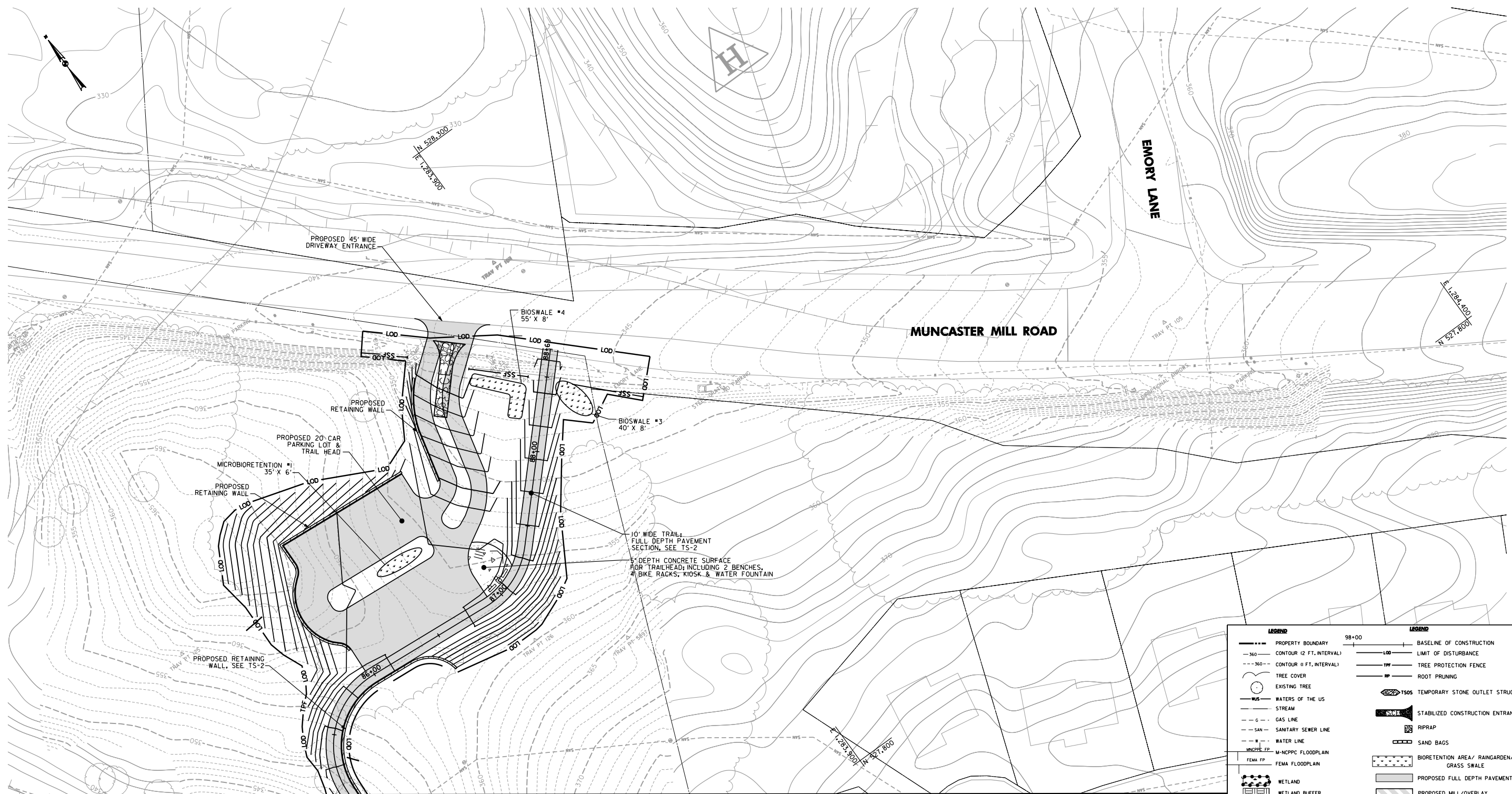
PS-10  
 SHEET 9 OF 17

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 DATE: Thursday, June 13, 2013 AT 01:30 PM

FINAL SCANNED:

PLAN SCANNED:

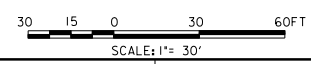
PARK CODE:G11



MATCH LINE PS-10

LEGEND	
---	PROPERTY BOUNDARY
-360-	CONTOUR (2 FT. INTERVAL)
-360-	CONTOUR (10 FT. INTERVAL)
(Symbol)	TREE COVER
(Symbol)	EXISTING TREE
(Symbol)	WATERS OF THE US
(Symbol)	STREAM
(Symbol)	GAS LINE
(Symbol)	SANITARY SEWER LINE
(Symbol)	WATER LINE
(Symbol)	M-NCPPC FLOODPLAIN
(Symbol)	FEMA FLOODPLAIN
(Symbol)	WETLAND
(Symbol)	WETLAND BUFFER
(Symbol)	UPPER ROCK CREEK SPECIAL PROTECTION AREA
(Symbol)	HISTORIC SITES
(Symbol)	EXISTING TRAIL
(Symbol)	PROPOSED TRAIL ALIGNED WITH EXISTING TRAIL
(Symbol)	PROPOSED TRAIL WITH NEW ALIGNMENT
(Symbol)	STREET SIGN
(Symbol)	MANHOLE
(Symbol)	INLET
(Symbol)	ENDSECTION
(Symbol)	BASELINE OF CONSTRUCTION
(Symbol)	LIMIT OF DISTURBANCE
(Symbol)	TREE PROTECTION FENCE
(Symbol)	ROOT PRUNING
(Symbol)	1505 TEMPORARY STONE OUTLET STRUCTURE
(Symbol)	STABILIZED CONSTRUCTION ENTRANCE
(Symbol)	RIPRAP
(Symbol)	SAND BAGS
(Symbol)	BIORETENTION AREA/ RAINGARDEN/ GRASS SWALE
(Symbol)	PROPOSED FULL DEPTH PAVEMENT
(Symbol)	PROPOSED MILL/OVERLAY
(Symbol)	PROPOSED ABOVE GRADE TRAIL
(Symbol)	PROPOSED CONCRETE
(Symbol)	PROPOSED DECK/ PROPOSED BOARDWALK
(Symbol)	REMOVE EXISTING PAVEMENT
(Symbol)	RETAINING WALL
(Symbol)	STORM DRAIN PIPE

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 WASH. (301) 470-2772 BALT. (410) 880-3055  
 FAX: (301) 490-2649 www.gpinet.com



DESIGN			REVIEW AND APPROVAL			REVIEW AND APPROVAL							
Landscape Architect	Date	Checked By:	Park Development	Date	Superintendent of Parks	Date	Architect	Date	Checked By:	Central Maintenance	Date	Park Police	Date
Engineer	Date	Checked By:	Region	Date		Date	Engineer	Date	Checked By:	Natural Resources	Date		Date
Drawn by	Date	Checked By:		Date		Date		Date			Date		Date



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 9500 Brunett Avenue  
 Silver Spring, Maryland 20901  
 (301) 495-2535

PLANS ISSUED FOR CONSTRUCTION DRAWINGS		
REVISIONS		
Rev. No.	Date	Description

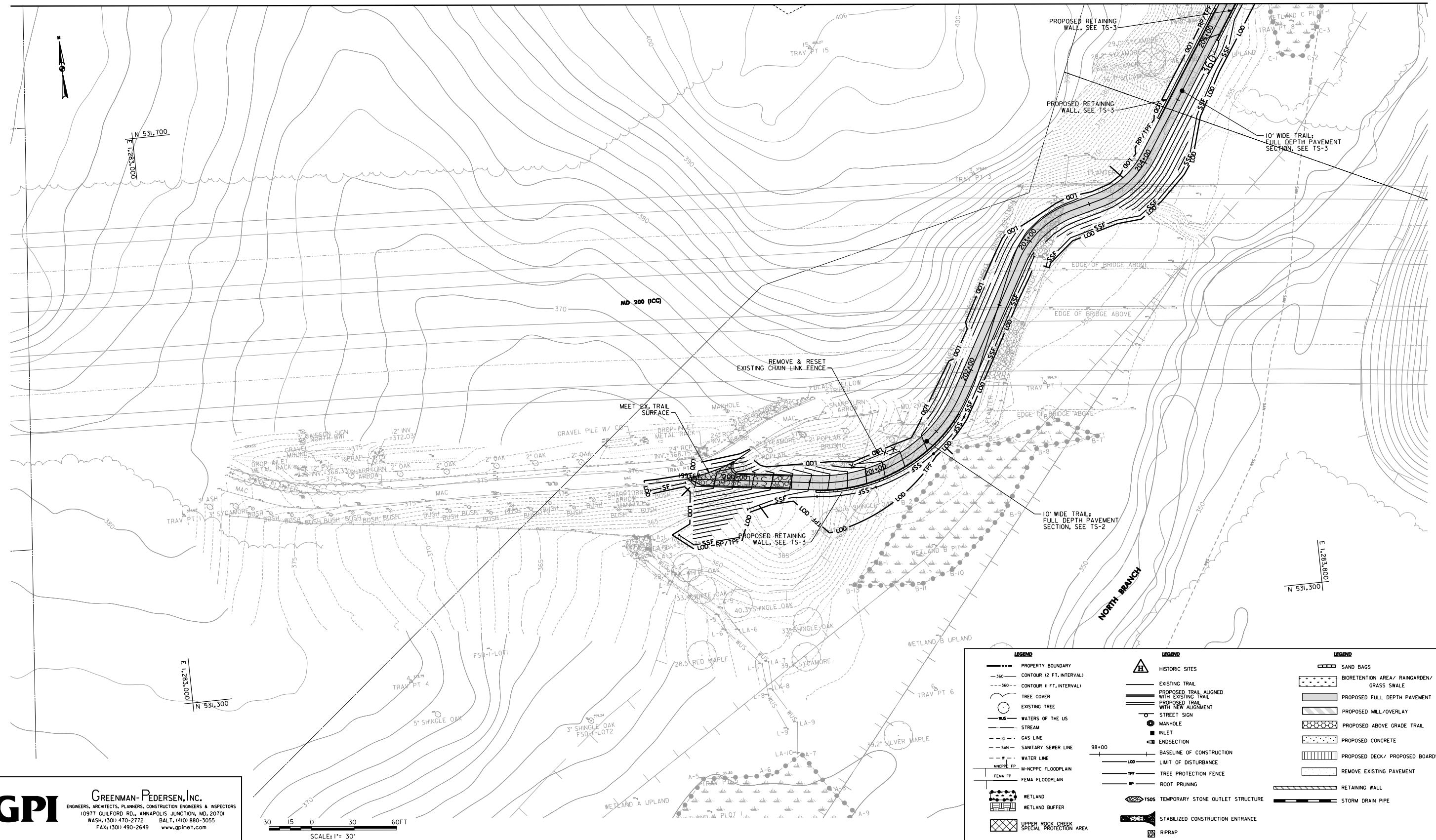
**Professional Certification:**  
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PROJECT **North Branch Trail** **PS-11**  
**30%**  
**SITE PLAN SHEET 11**  
**MONTGOMERY COUNTY, MD**  
 SCALE: AS SHOWN  
 DATE: JUNE 2013  
 SHEET 10 OF 17

FINAL SCANNED:

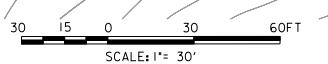
PLAN SCANNED:

PARK CODE:G11



LEGEND		LEGEND		LEGEND	
---	PROPERTY BOUNDARY	▲	HISTORIC SITES	□	SAND BAGS
-360-	CONTOUR (2 FT. INTERVAL)	—	EXISTING TRAIL	▨	BIORETENTION AREA/ RAINGARDEN/ GRASS SWALE
-360-	CONTOUR (1 FT. INTERVAL)	—	PROPOSED TRAIL ALIGNED WITH EXISTING TRAIL	▨	PROPOSED FULL DEPTH PAVEMENT
○	TREE COVER	—	PROPOSED TRAIL WITH NEW ALIGNMENT	▨	PROPOSED MILL/OVERLAY
○	EXISTING TREE	○	STREET SIGN	▨	PROPOSED ABOVE GRADE TRAIL
—	WATERS OF THE US	○	MANHOLE	▨	PROPOSED CONCRETE
—	STREAM	○	INLET	▨	PROPOSED DECK/ PROPOSED BOARDWALK
—	GAS LINE	○	ENDSECTON	▨	REMOVE EXISTING PAVEMENT
—	SANITARY SEWER LINE	—	BASELINE OF CONSTRUCTION	▨	RETAINING WALL
—	WATER LINE	—	LIMIT OF DISTURBANCE	▨	STORM DRAIN PIPE
—	M-NCPPC FLOODPLAIN	—	TREE PROTECTION FENCE	▨	
—	FEMA FLOODPLAIN	—	RP	▨	
▨	WETLAND	○	1505 TEMPORARY STONE OUTLET STRUCTURE	▨	
▨	WETLAND BUFFER	▨	STABILIZED CONSTRUCTION ENTRANCE	▨	
▨	UPPER ROCK CREEK SPECIAL PROTECTION AREA	▨	RIPRAP	▨	

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DESIGN		REVIEW AND APPROVAL		REVIEW AND APPROVAL	
Landscape Architect	Date	Checked By:	Park Development	Date	Superintendent of Parks
Architect	Date	Checked By:	Central Maintenance	Date	Park Police
Engineer	Date	Checked By:	Region	Date	
Drawn by	Date	Checked By:	Natural Resources	Date	



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REVISIONS		
Rev. No.	Date	Description


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 Expiration Date: 01/14/2015

PROJECT  
**North Branch Trail**  
**30%**  
**SITE PLAN SHEET 12**  
**MONTGOMERY COUNTY, MD**

PS-12  
 SCALE: AS SHOWN  
 DATE: JUNE 2013  
 SHEET 11 OF 17

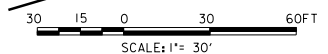
FINAL SCANNED:

PLAN SCANNED:

PARK CODE:G11



LEGEND	
---	PROPERTY BOUNDARY
-360	CONTOUR (2 FT. INTERVAL)
-360	CONTOUR (1 FT. INTERVAL)
(Symbol)	TREE COVER
(Symbol)	EXISTING TREE
(Symbol)	WATERS OF THE US
(Symbol)	STREAM
(Symbol)	GAS LINE
(Symbol)	SANITARY SEWER LINE
(Symbol)	WATER LINE
(Symbol)	M-NCPPC FLOODPLAIN
(Symbol)	FEMA FLOODPLAIN
(Symbol)	WETLAND
(Symbol)	WETLAND BUFFER
(Symbol)	UPPER ROCK CREEK SPECIAL PROTECTION AREA
(Symbol)	HISTORIC SITES
(Symbol)	EXISTING TRAIL
(Symbol)	PROPOSED TRAIL ALIGNED WITH EXISTING TRAIL
(Symbol)	PROPOSED TRAIL WITH NEW ALIGNMENT
(Symbol)	STREET SIGN
(Symbol)	MANHOLE
(Symbol)	INLET
(Symbol)	ENDSECTION
(Symbol)	BASELINE OF CONSTRUCTION
(Symbol)	LIMIT OF DISTURBANCE
(Symbol)	TREE PROTECTION FENCE
(Symbol)	ROOT PRUNING
(Symbol)	150S TEMPORARY STONE OUTLET STRUCTURE
(Symbol)	STABILIZED CONSTRUCTION ENTRANCE
(Symbol)	RIPRAP
(Symbol)	SAND BAGS
(Symbol)	BIORETENTION AREA/ RAINGARDEN/ GRASS SWALE
(Symbol)	PROPOSED FULL DEPTH PAVEMENT
(Symbol)	PROPOSED MILL/OVERLAY
(Symbol)	PROPOSED ABOVE GRADE TRAIL
(Symbol)	PROPOSED CONCRETE
(Symbol)	PROPOSED DECK/ PROPOSED BOARDWALK
(Symbol)	REMOVE EXISTING PAVEMENT
(Symbol)	RETAINING WALL
(Symbol)	STORM DRAIN PIPE



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DESIGN			REVIEW AND APPROVAL			REVIEW AND APPROVAL							
Landscape Architect	Date	Checked By:	Park Development	Date	Superintendent of Parks	Date	Architect	Date	Checked By:	Central Maintenance	Date	Park Police	Date
Engineer	Date	Checked By:	Region	Date		Date		Date	Checked By:	Natural Resources	Date		Date



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 Montgomery County Department of Park and Planning  
 9500 Brunett Avenue  
 Silver Spring, Maryland 20901  
 (301) 495-2535

PLANS ISSUED FOR CONSTRUCTION DRAWINGS		
REVISIONS		
Rev. No.	Date	Description

**Professional Certification:**  
 I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the state of Maryland license No. 19116 Expiration Date: 01/14/2015

PROJECT **North Branch Trail**  
**30% SITE PLAN SHEET 13**  
 MONTGOMERY COUNTY, MD

SCALE: AS SHOWN  
 DATE: JUNE 2013

PS-13  
 SHEET 12 OF 17

FINAL SCANNED:

PLAN SCANNED:

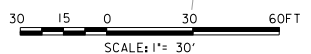
PARK CODE:G11



**LEGEND**

- PROPERTY BOUNDARY
- 360--- CONTOUR (2 FT. INTERVAL)
- 360--- CONTOUR (0 FT. INTERVAL)
- TREE COVER
- EXISTING TREE
- WUS WATERS OF THE US
- STREAM
- GAS LINE
- SAN --- SANITARY SEWER LINE
- W --- WATER LINE
- M-NCPCC FP M-NCPCC FLOODPLAIN
- FEMA FP FEMA FLOODPLAIN
- WETLAND
- WETLAND BUFFER
- UPPER ROCK CREEK SPECIAL PROTECTION AREA
- H HISTORIC SITES
- EXISTING TRAIL
- PROPOSED TRAIL ALIGNED WITH EXISTING TRAIL
- PROPOSED TRAIL WITH NEW ALIGNMENT
- STREET SIGN
- 98+00 BASELINE OF CONSTRUCTION
- LOD --- LIMIT OF DISTURBANCE
- TPF --- TREE PROTECTION FENCE
- RP --- ROOT PRUNING
- TSOS TEMPORARY STONE OUTLET STRUCTURE
- SME STABILIZED CONSTRUCTION ENTRANCE
- RIPRAP
- SAND BAGS
- BIORETENTION AREA/ RAINGARDEN/ GRASS SWALE
- PROPOSED FULL DEPTH PAVEMENT
- PROPOSED MILL/OVERLAY
- PROPOSED ABOVE GRADE TRAIL
- PROPOSED CONCRETE
- PROPOSED DECK/ PROPOSED BOARDWALK
- REMOVE EXISTING PAVEMENT
- RETAINING WALL
- STORM DRAIN PIPE
- MANHOLE
- INLET
- ENDSECTION

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DESIGN			REVIEW AND APPROVAL			REVIEW AND APPROVAL		
Landscape Architect	Date	Checked By:	Park Development	Date	Superintendent of Parks	Date	Architect	Date
Architect	Date	Checked By:	Central Maintenance	Date	Park Police	Date	Engineer	Date
Engineer	Date	Checked By:	Region	Date		Date	Drawn by	Date
	Date	Checked By:	Natural Resources	Date		Date		Date



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 Silver Spring, Maryland 20901  
 (301) 495-2535

PLANS ISSUED FOR CONSTRUCTION DRAWINGS		
REVISIONS		
Rev. No.	Date	Description

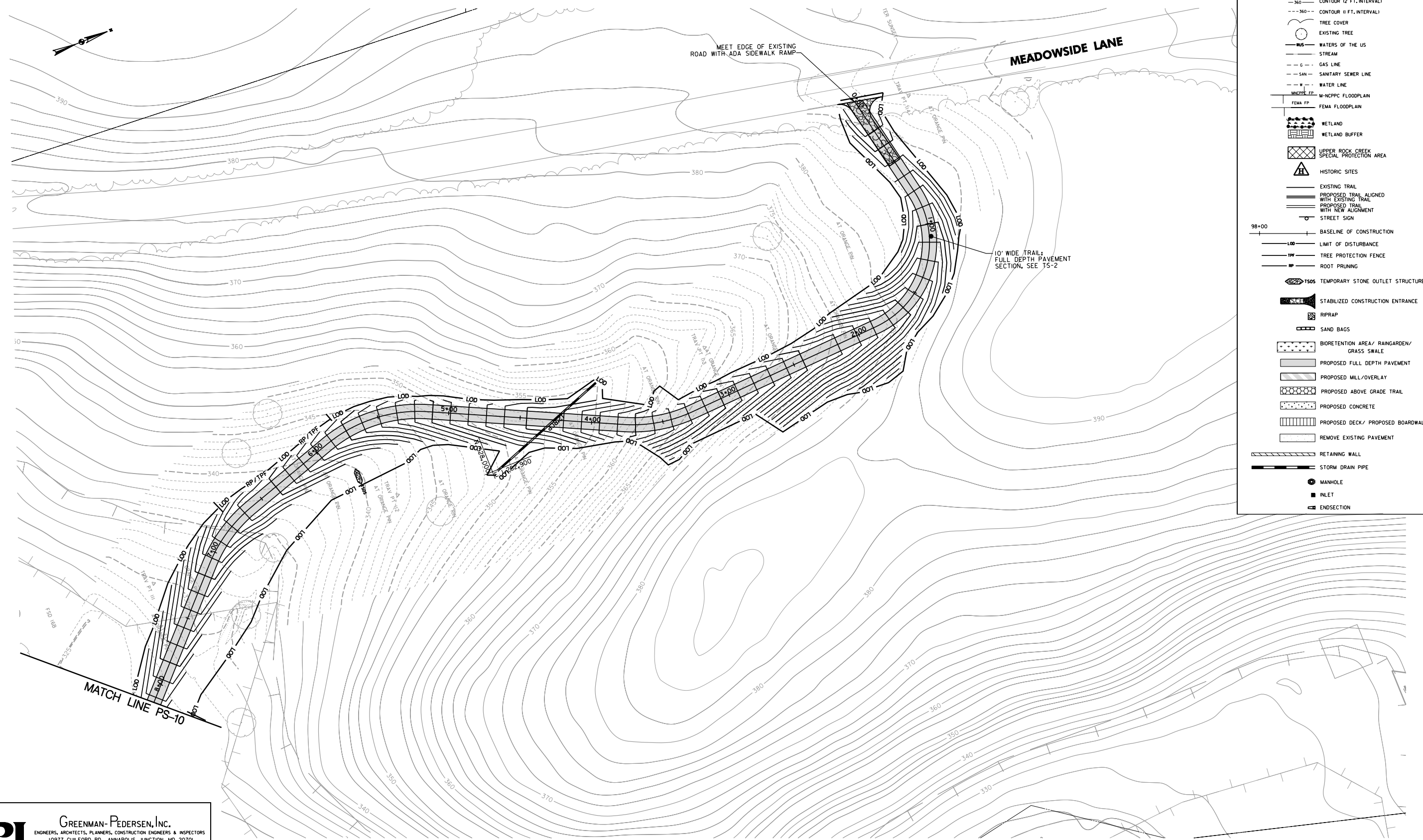
**Professional Certification:**  
 I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the state of Maryland license No. 19916 Expiration Date: 01/14/2015

PROJECT **North Branch Trail** **PS-14**  
**30%**  
**SITE PLAN SHEET 14**  
**MONTGOMERY COUNTY, MD**  
 SCALE: AS SHOWN DATE: JUNE 2013  
 SHEET 13 OF 17

FINAL SCANNED:

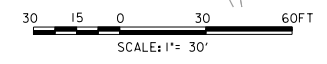
PLAN SCANNED:

PARK CODE:G11



**LEGEND**

- PROPERTY BOUNDARY
- 360- CONTOUR (2 FT. INTERVAL)
- 360- CONTOUR (10 FT. INTERVAL)
- TREE COVER
- EXISTING TREE
- WATERS OF THE US
- STREAM
- G- GAS LINE
- SAN- SANITARY SEWER LINE
- W- WATER LINE
- MICRPE.FP M-NCPCC FLOODPLAIN
- FEMA.FP FEMA FLOODPLAIN
- WETLAND
- WETLAND BUFFER
- UPPER ROCK CREEK SPECIAL PROTECTION AREA
- HISTORIC SITES
- EXISTING TRAIL
- PROPOSED TRAIL ALIGNED WITH EXISTING TRAIL
- PROPOSED TRAIL WITH NEW ALIGNMENT
- STREET SIGN
- 98+00 BASELINE OF CONSTRUCTION
- 100 LIMIT OF DISTURBANCE
- TPF TREE PROTECTION FENCE
- RP ROOT PRUNING
- 150S TEMPORARY STONE OUTLET STRUCTURE
- STABILIZED CONSTRUCTION ENTRANCE
- RIPRAP
- SAND BAGS
- BIORETENTION AREA/ RAINGARDEN/ GRASS SWALE
- PROPOSED FULL DEPTH PAVEMENT
- PROPOSED MILL/OVERLAY
- PROPOSED ABOVE GRADE TRAIL
- PROPOSED CONCRETE
- PROPOSED DECK/ PROPOSED BOARDWALK
- REMOVE EXISTING PAVEMENT
- RETAINING WALL
- STORM DRAIN PIPE
- MANHOLE
- INLET
- ENDSECTION



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DESIGN		REVIEW AND APPROVAL		REVIEW AND APPROVAL	
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Architect	Date	Checked By:	Central Maintenance	Date	Park Police
Engineer	Date	Checked By:	Region	Date	
Drawn by	Date	Checked By:	Natural Resources	Date	



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REVISIONS		
Rev. No.	Date	Description

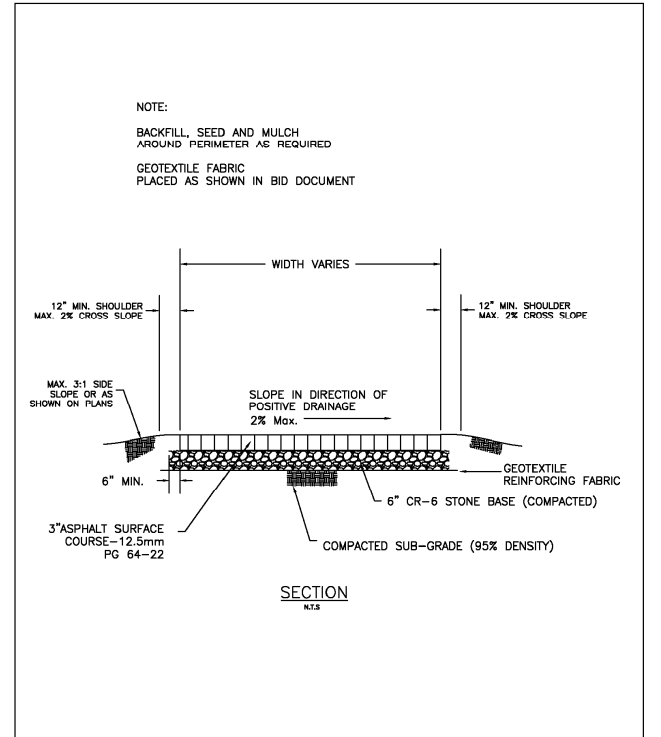
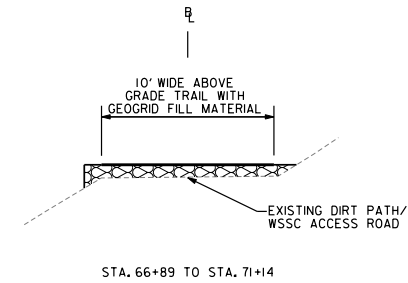
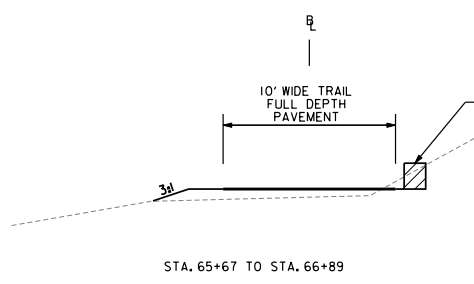
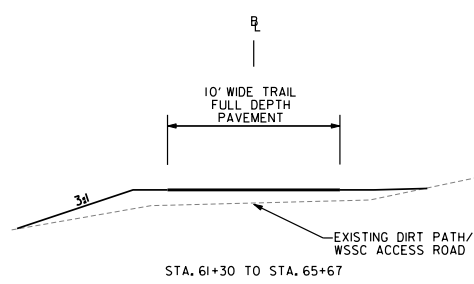
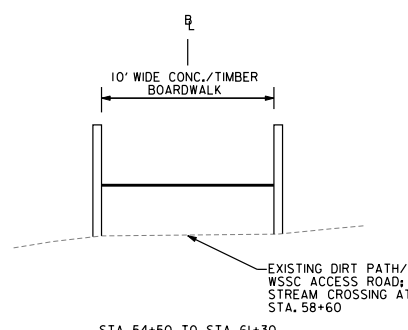
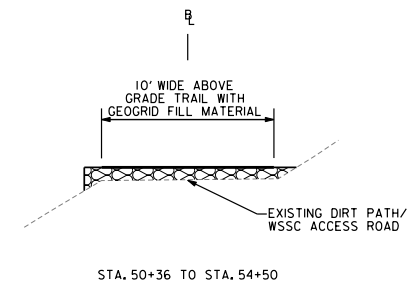
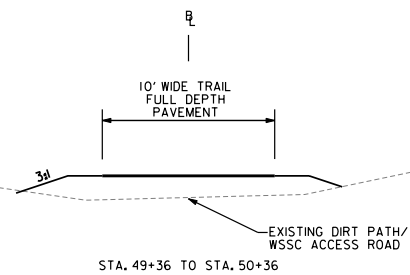
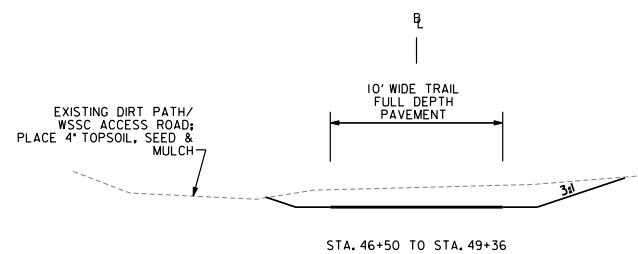
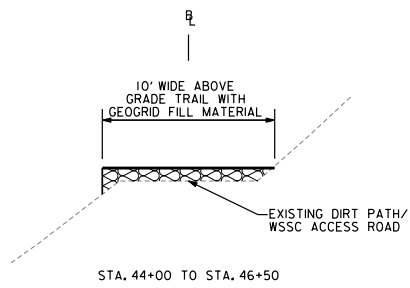
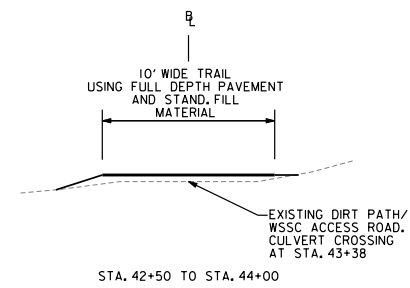
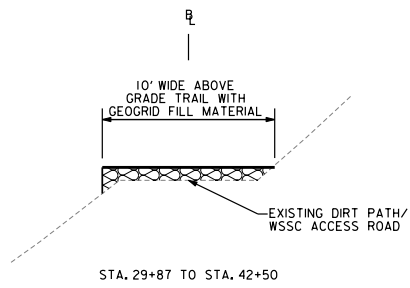
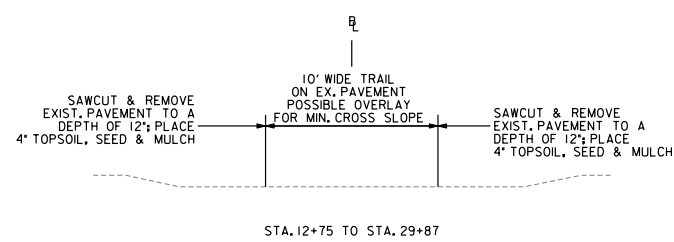
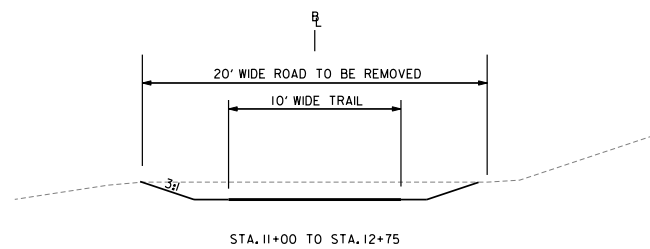
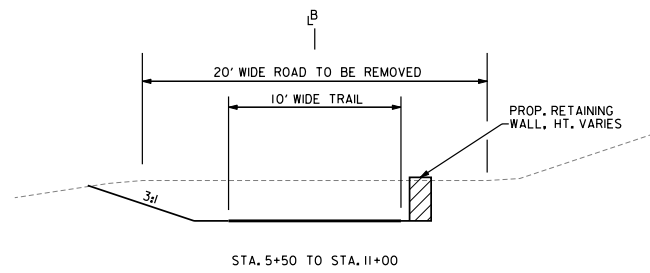
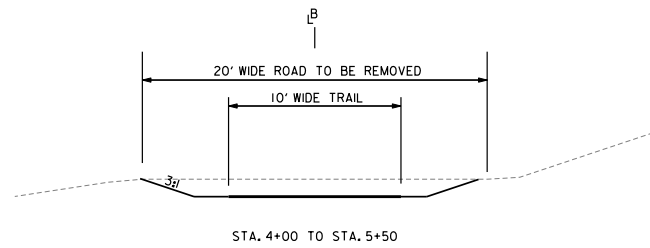
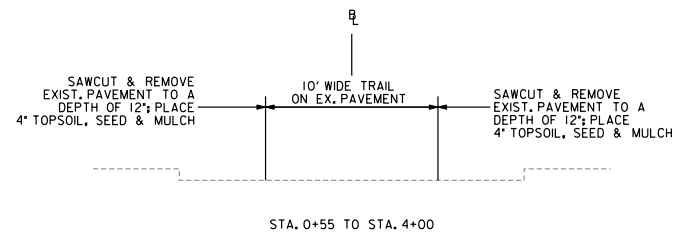
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PROJECT **North Branch Trail** **PS-15**  
**30%**  
**SITE PLAN SHEET 15**  
 MONTGOMERY COUNTY, MD  
 SCALE: AS SHOWN DATE: JUNE 2013  
 SHEET 14 OF 17

FINAL SCANNED:

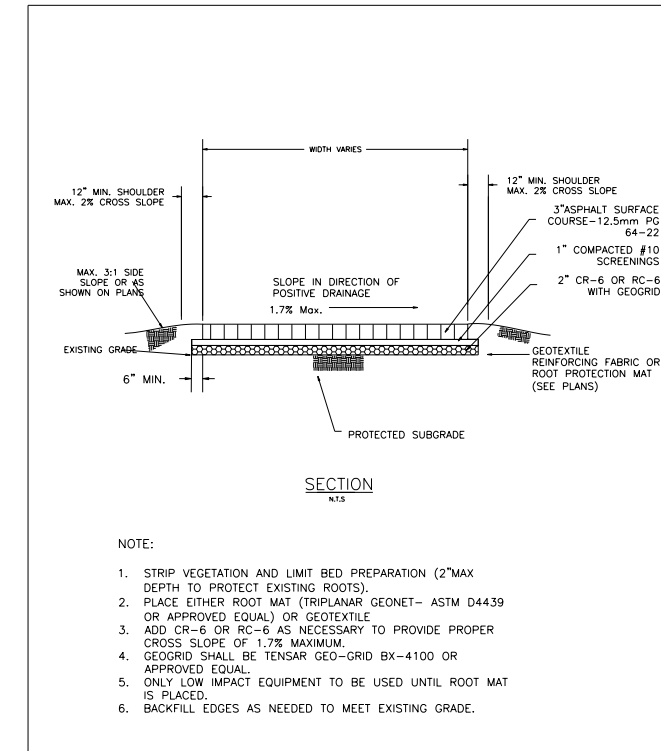
PLAN SCANNED:

PARK CODE:G11



THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION  
Department of Park and Planning, Montgomery County, Maryland

PARK DEVELOPMENT DIVISION 800 BRUNETT AVENUE SILVER SPRING, MD 20901	DATE APPROVED	HIKER/BIKER TRAIL PAVEMENT SECTION	REVISED	DATE	STANDARD NO.
	CHEF ENGINEER				313

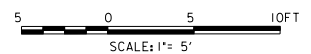


THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION  
Department of Park and Planning, Montgomery County, Maryland

PARK DEVELOPMENT DIVISION 800 BRUNETT AVENUE SILVER SPRING, MD 20901	DATE APPROVED	HIKER/BIKER TRAIL ABOVE GRADE PAVEMENT SECTION	REVISED	DATE	STANDARD NO.
	CHEF ENGINEER				313a

- NOTE:
1. STRIP VEGETATION AND LIMIT BED PREPARATION (2" MAX DEPTH) TO PROTECT EXISTING ROOTS.
  2. PLACE EITHER ROOT MAT (TRIPLANAR GEONET- ASTM D4439 OR APPROVED EQUAL) OR GEOTEXTILE
  3. ADD CR-6 OR RC-6 AS NECESSARY TO PROVIDE PROPER CROSS SLOPE OF 1.7% MAXIMUM.
  4. GEOTEXTILE SHALL BE TENSAR GEO-GRID BX-4100 OR APPROVED EQUAL.
  5. ONLY LOW IMPACT EQUIPMENT TO BE USED UNTIL ROOT MAT IS PLACED.
  6. BACKFILL EDGES AS NEEDED TO MEET EXISTING GRADE.

**GPI** GREENMAN-PEDERSEN, INC.  
ENGINEERS, ARCHITECTS, PLANNERS, CONSTRUCTION ENGINEERS & INSPECTORS  
10977 GULFORD RD., ANNAPOLIS JUNCTION, MD, 20701  
WASH. (301) 470-2772 BAL T. (410) 880-3055  
FAX: (301) 490-2649 www.gpinet.com



DESIGN		REVIEW AND APPROVAL		REVIEW AND APPROVAL	
Landscape Architect	Date	Checked By:	Park Development	Date	Superintendent of Parks
Architect	Date	Checked By:	Central Maintenance	Date	Park Police
Engineer	Date	Checked By:	Region	Date	
Drawn by	Date	Checked By:	Natural Resources	Date	



The Maryland-National Capital Park and Planning Commission  
Montgomery County Department of Park and Planning  
9500 Brunett Avenue  
Silver Spring, Maryland 20901  
(301) 495-2535

PLANS ISSUED FOR CONSTRUCTION DRAWINGS

REVISIONS		
Rev. No.	Date	Description

**Professional Certification:**  
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the state of Maryland license No. 19916  
Expiration Date: 01/14/2015

PROJECT **North Branch Trail**

**30% TYPICAL SECTIONS SHEET 1**

MONTGOMERY COUNTY, MD

SCALE: AS SHOWN  
DATE: JUNE 2013

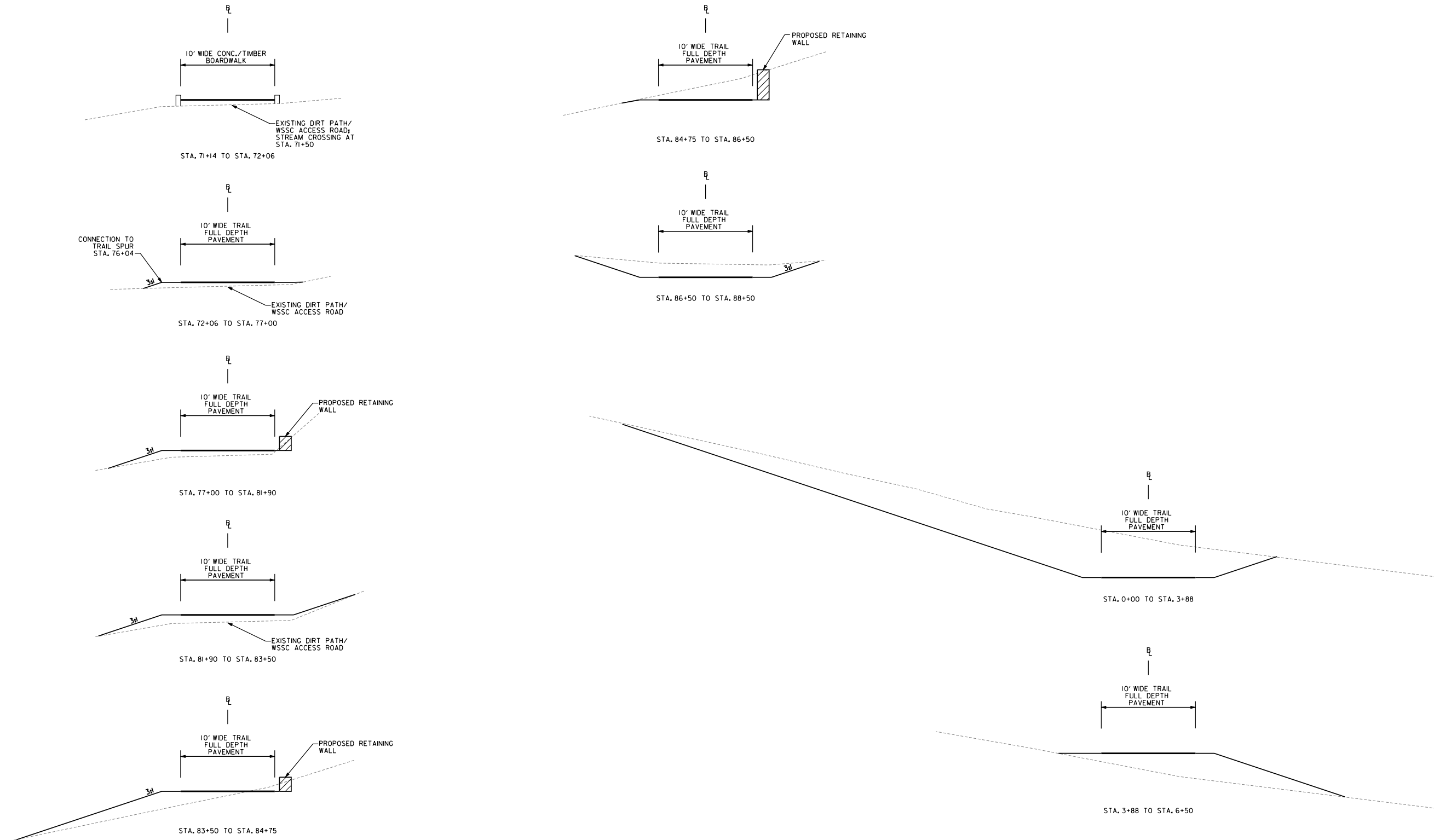
TS-1  
SHEET 15 OF 17



FINAL SCANNED:

PLAN SCANNED:

PARK CODE:G11



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 FAX: (301) 490-2649 www.gpinet.com



DESIGN		REVIEW AND APPROVAL		REVIEW AND APPROVAL	
Landscape Architect	Date	Checked By:	Park Development	Date	Superintendent of Parks
Architect	Date	Checked By:	Central Maintenance	Date	Park Police
Engineer	Date	Checked By:	Region	Date	
Drawn by	Date	Checked By:	Natural Resources	Date	



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PLANS ISSUED FOR CONSTRUCTION DRAWINGS		
REVISIONS		
Rev. No.	Date	Description

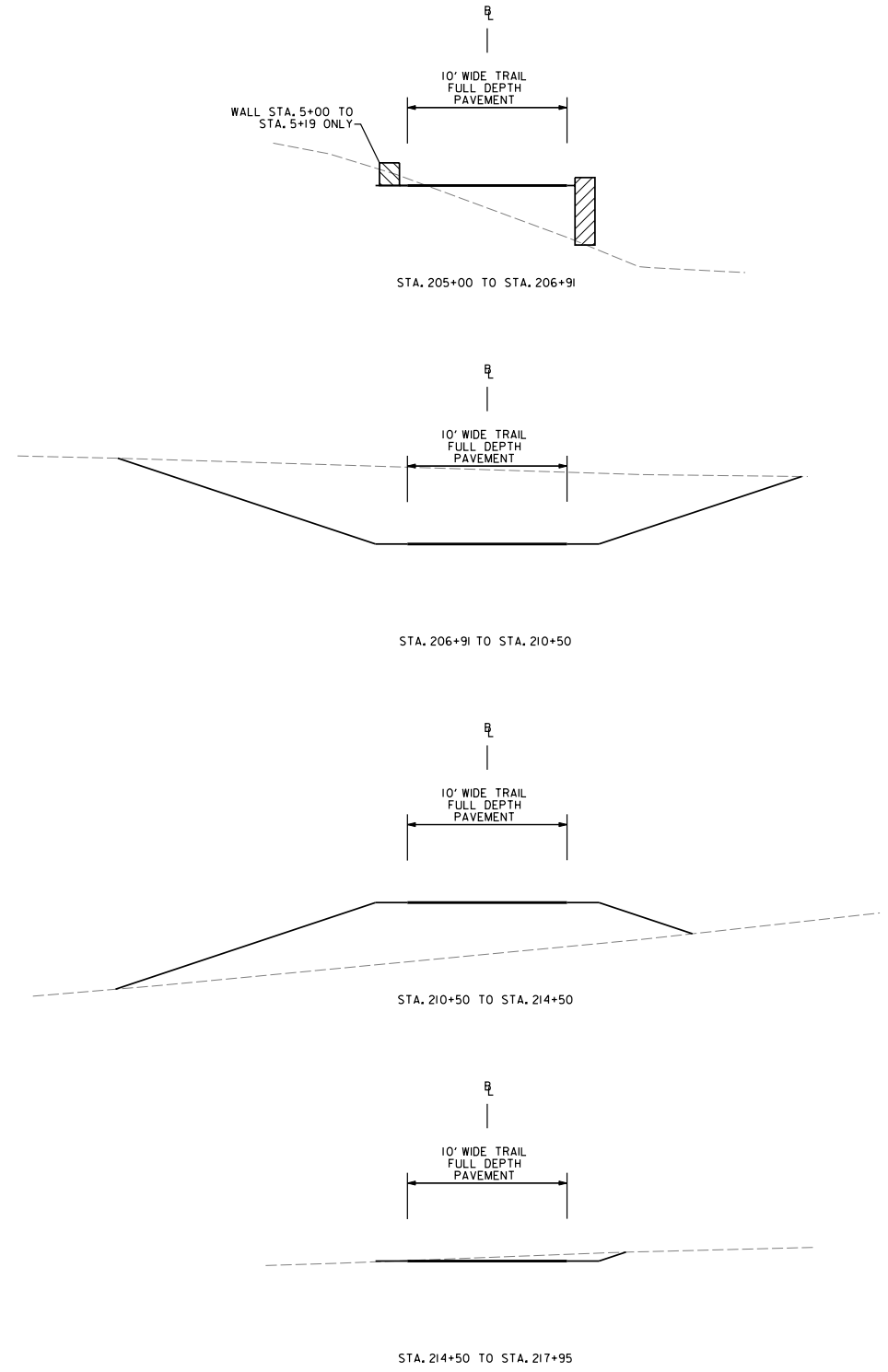
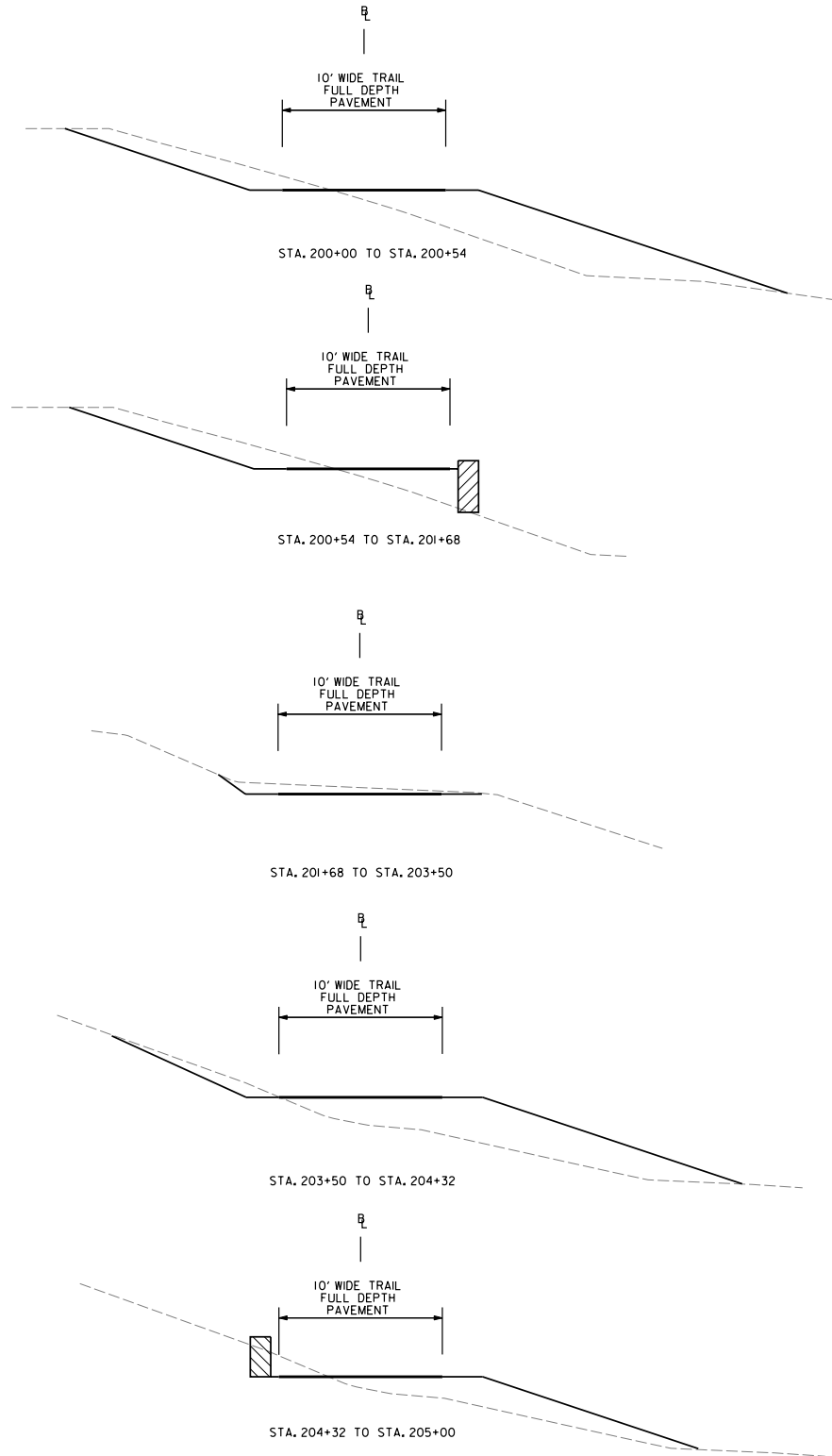
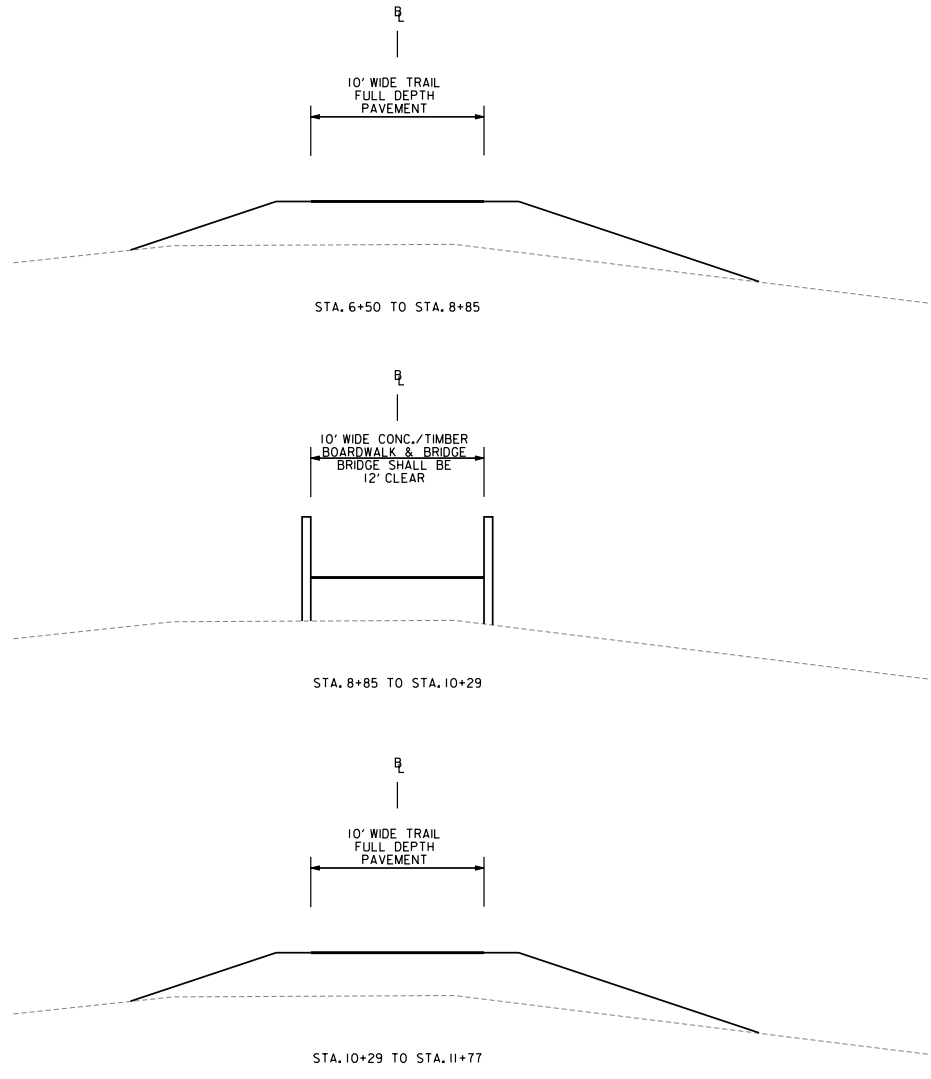
**Professional Certification:**  
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 Expiration Date: 01/14/2015

PROJECT **North Branch Trail** TS-2  
**30%**  
**TYPICAL SECTIONS SHEET 2**  
 MONTGOMERY COUNTY, MD  
 SCALE: AS SHOWN  
 DATE: JUNE 2013  
 SHEET 16 OF 17

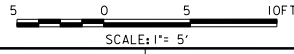
FINAL\_SCANNED:

PLAN\_SCANNED:

PARK\_CODE:G11



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DESIGN		REVIEW AND APPROVAL		REVIEW AND APPROVAL	
Landscape Architect	Date	Checked By:	Park Development	Date	Superintendent of Parks
Architect	Date	Checked By:	Central Maintenance	Date	Park Police
Engineer	Date	Checked By:	Region	Date	
Drawn by	Date	Checked By:	Natural Resources	Date	



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 Montgomery County Department of Park and Planning  
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PLANS ISSUED FOR CONSTRUCTION DRAWINGS		
REVISIONS		
Rev. No.	Date	Description

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 I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the state of Maryland license No. 19916 Expiration Date: 01/14/2015

PROJECT **North Branch Trail** TS-3  
**30%**  
**TYPICAL SECTIONS SHEET 3**  
 MONTGOMERY COUNTY, MD  
 SCALE: AS SHOWN  
 DATE: JUNE 2013  
 SHEET 17 OF 17