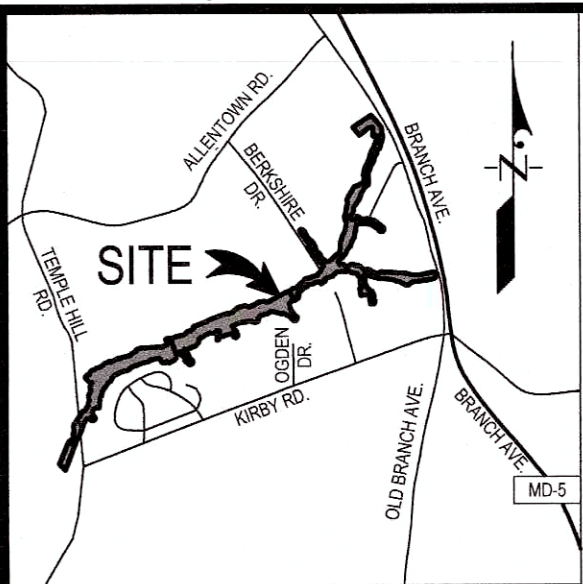
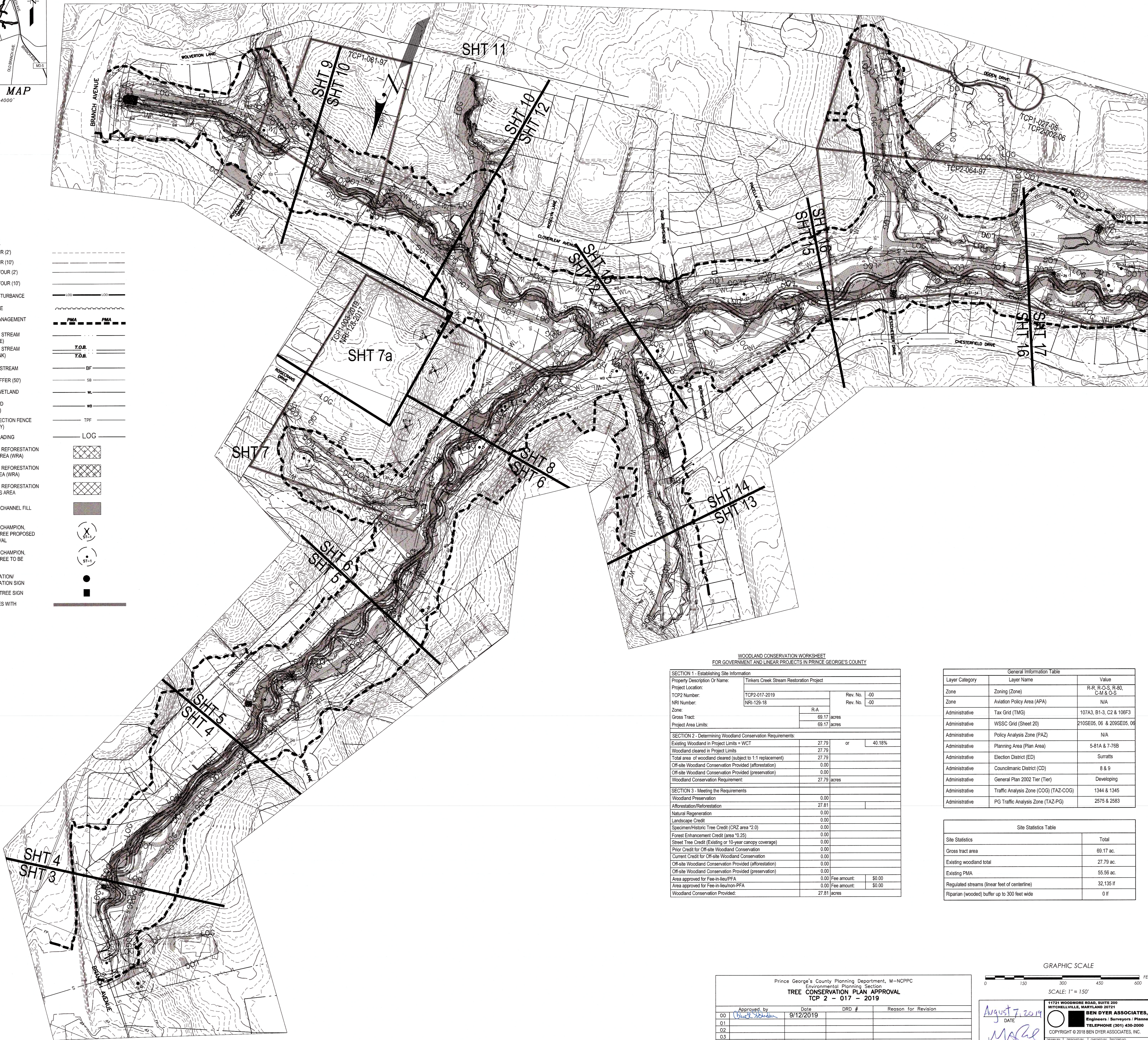
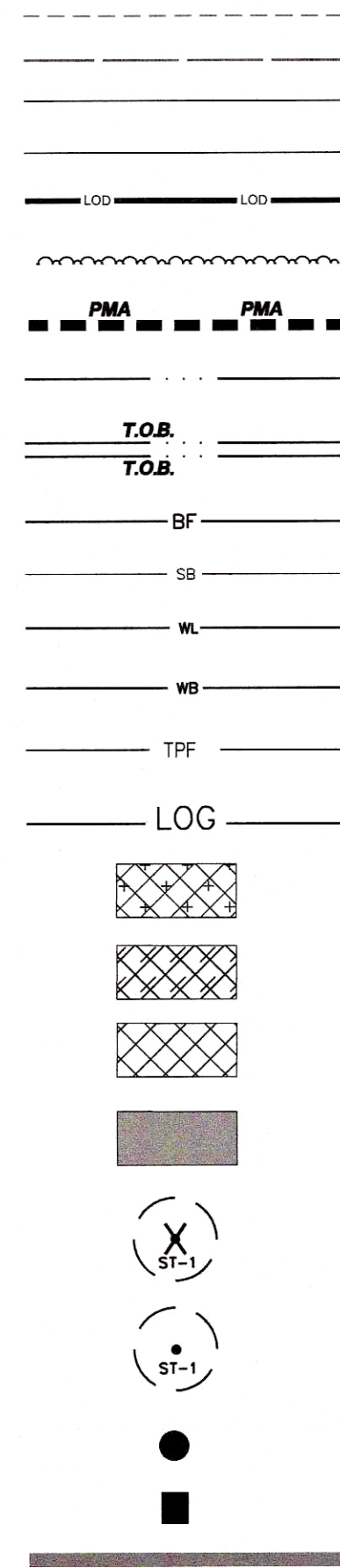




VICINITY MAP
SCALE: 1" = 4000'

LEGEND

- EX CONTOUR (2)
EX CONTOUR (10)
PROP. CONTOUR (2)
PROP. CONTOUR (10)
LIMIT OF DISTURBANCE
EX. TREELINE
PRIMARY MANAGEMENT AREA (PMA)
REGULATED STREAM (CENTERLINE)
REGULATED STREAM (TOP OF BANK)
PROPOSED STREAM
STREAM BUFFER (50')
NONTIDAL WETLAND
EX. WETLAND BUFFER (25)
TREE PROTECTION FENCE (TEMPORARY)
LIMIT OF GRADING
WOODLAND REFORESTATION WETLAND AREA (WRA)
WOODLAND REFORESTATION UPLAND AREA (WRA)
WOODLAND REFORESTATION LIVE STAKES AREA
PROPOSED CHANNEL FILL
SPECIMEN, CHAMPION, HISTORIC TREE PROPOSED FOR REMOVAL
SPECIMEN, CHAMPION, HISTORIC TREE TO BE SAVED
REFORESTATION/AFFORESTATION SIGN
SPECIMEN TREE SIGN
PROPERTIES WITH TOPS



WOODLAND CONSERVATION WORKSHEET
FOR GOVERNMENT AND LINEAR PROJECTS IN PRINCE GEORGE'S COUNTY

SECTION 1 - Establishing Site Information			
Property Description Or Name:	Tinkers Creek Stream Restoration Project		
Project Location:	TCP2-017-2019		
Zone:	NRI-129-18	Rev. No.	.00
Gross Tract:	69.17 acres	Rev. No.	.00
Project Area Limits:	69.17 acres		
SECTION 2 - Determining Woodland Conservation Requirements:			
Existing Woodland in Project Limits = WCT	27.79	or	40.18%
Woodland cleared in Project Limits:	27.79		
Total area of woodland cleared (subject to 1:1 replacement)	27.79		
Off-site Woodland Conservation Provided (afforestation)	0.00		
Off-site Woodland Conservation Provided (preservation)	0.00		
Woodland Conservation Requirement:	27.79	acres	
SECTION 3 - Meeting the Requirements			
Woodland Preservation	0.00		
Afforestation/Reforestation	27.81		
Natural Regeneration	0.00		
Landscape Credit	0.00		
Specimen/Historic Tree Credit (CR2 area *2.0)	0.00		
Forest Enhancement Credit (area *0.25)	0.00		
Street Tree Credit (Existing or 10-year canopy coverage)	0.00		
Prior Credit for Off-site Woodland Conservation	0.00		
Current Credit for Off-site Woodland Conservation	0.00		
Off-site Woodland Conservation Provided (afforestation)	0.00		
Off-site Woodland Conservation Provided (preservation)	0.00		
Area approved for Fee-in-lieu/PFA	0.00	Fee amount:	\$0.00
Area approved for Fee-in-lieu/non-PFA	0.00	Fee amount:	\$0.00
Woodland Conservation Provided:	27.81	acres	

General Information Table		
Layer Category	Layer Name	Value
Zone	Zoning (Zone)	R.R, R-O-S, R-80, C-M & O-S
Zone	Aviation Policy Area (APA)	N/A
Administrative	Tax Grid (TMG)	107A3, B1-3, C2 & 106F3
Administrative	WSSC Grid (Sheet 20)	210SE05, 06 & 209SE05, 06
Administrative	Policy Analysis Zone (PAZ)	N/A
Administrative	Planning Area (Plan Area)	5-81A & 7-76B
Administrative	Election District (ED)	Surratt
Administrative	Councilmanic District (CD)	8 & 9
Administrative	General Plan 2002 Tier (Tier)	Developing
Administrative	Traffic Analysis Zone (COG) (TAZ-COG)	1344 & 1345
Administrative	PG Traffic Analysis Zone (TAZ-PG)	2575 & 2583

Site Statistics Table	
Site Statistics	Total
Gross tract area	69.17 ac.
Existing woodland total	27.79 ac.
Existing PMA	55.59 ac.
Regulated streams (linear feet of centerline)	32,135 lf
Riparian (wooded) buffer up to 300 feet wide	0 lf

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TREE CONSERVATION PLAN APPROVAL TCP 2 - 017 - 2019			
Approved by	Date	DRD #	Reason for Revision
01 [Signature]	9/12/2019		
02			
03			
04			
05			
06			

GRAPHIC SCALE
0 150 300 450 600 FEET
SCALE: 1" = 150'

August 7, 2019
DATE
Mike Petroski
Qualified Professional
COMAR 08.19.06.01

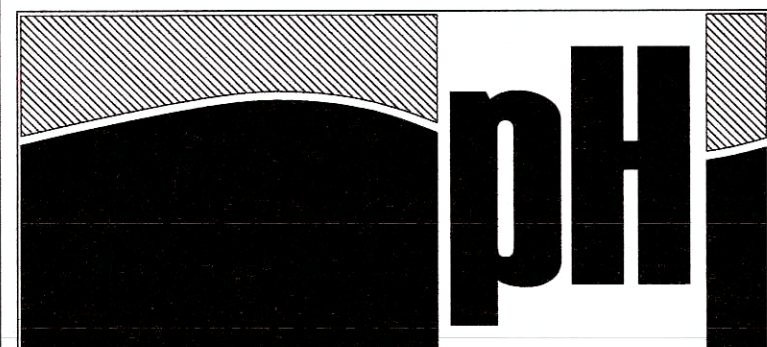
11721 WOODMORE ROAD, SUITE 200
MITCHELLVILLE, MARYLAND 20721
BEN DYER ASSOCIATES, INC.
Engineers / Surveyors / Planners
TELEPHONE (301) 430-2000
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PROJECT: TCP2-017-2019
DESIGNED BY: PCN
CHECKED BY: HM
DATE: 11/15/2018
SCALE: 1" = 150'
SHEET NO.: 54.014-Z

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2 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE
STOP CALL
REFERENCE MARYLAND STATE LAW ON
UNDERGROUND UTILITY DRAINAGE PREVENTION
LAW (MARYLAND STATE LAW TITLE 12)
800-257-7777

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- TOPOGRAPHIC INFORMATION ILLUSTRATED
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PURSUANT TO THE FOLLOWING PERMITS:
6.1 USACE: TBD
6.2 MDE: TBD
6.3 PGSCD: TBD
- 100-YEAR FLOODPLAIN MAPPED BASED ON
THE FEMA DFIRM MAP NO. 24033C0245C.
DFIRM MAPPING WAS PREPARED UNDER
THE PRINCE GEORGE'S COUNTY FLOOD
INSURANCE STUDY (FIS) NUMBERED
24033C000, WITH AN EFFECTIVE DATE OF
SEPTEMBER 16, 2016.

DATE	DESCRIPTION
	REVISIONS



SCIENTISTS AND ENGINEERS
2200 SOMERVILLE ROAD
SUITE 300
ANNAPOLIS, MD 21401
PHONE: 908.237.5660
FAX: 908.237.5666
WWW.PRINCETONHYDRO.COM

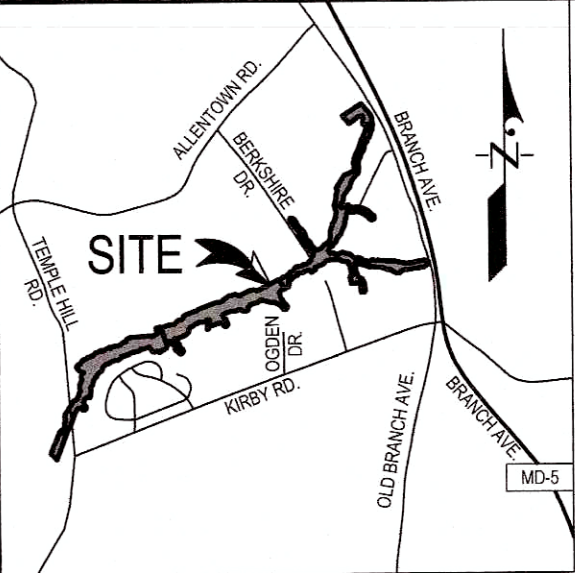


PROJECT NAME/LOCATION:
TINKERS CREEK
STREAM RESTORATION PROJECT
PRINCE GEORGE'S COUNTY
MS4 COMPLIANCE PROGRAM
CLINTON AND CAMP SPRINGS, MARYLAND

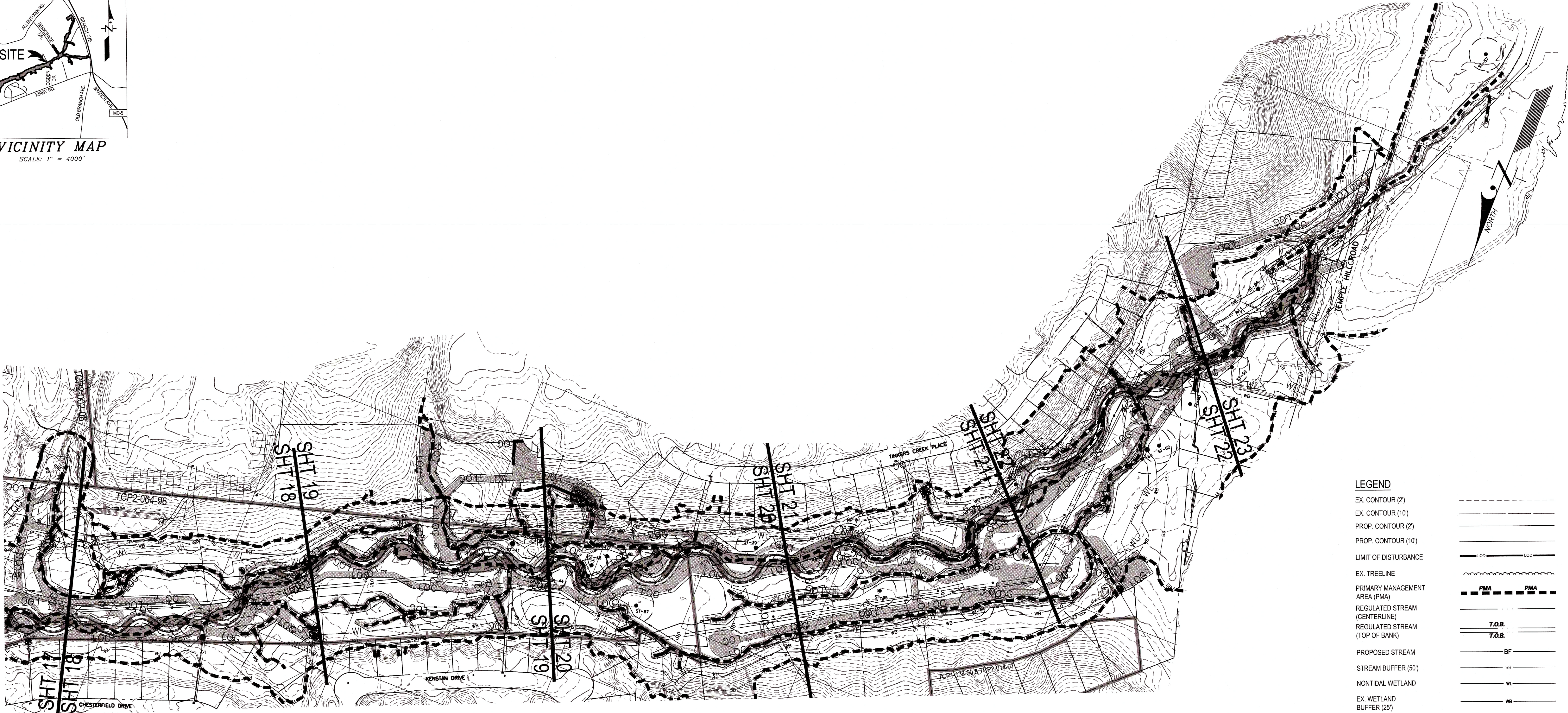
DRAWING NAME:
OVERALL
TREE CONSERVATION PLAN - TYPE 2

DATE:	6/13/2018
PROJECT NO.:	0995.048
SCALE:	
DRAWN BY:	
CHECKED BY:	

SHEET NO.
1 OF 24



VICINITY MAP
SCALE: 1" = 4000'



LEGEND

EX. CONTOUR (2')	---
EX. CONTOUR (10')	---
PROP. CONTOUR (2')	---
PROP. CONTOUR (10')	---
LIMIT OF DISTURBANCE	---
EX. TREELINE	---
PRIMARY MANAGEMENT AREA (PMA)	---
REGULATED STREAM (CENTERLINE)	---
REGULATED STREAM (TOP OF BANK)	---
PROPOSED STREAM	---
STREAM BUFFER (50')	---
NONTIDAL WETLAND	---
EX. WETLAND BUFFER (25')	---
TREE PROTECTION FENCE (TEMPORARY)	---
LIMIT OF GRADING	---
WOODLAND REFORESTATION WETLAND AREA (WRA)	---
WOODLAND REFORESTATION UPLAND AREA (WRA)	---
WOODLAND REFORESTATION LIVE STAKES AREA	---
PROPOSED CHANNEL FILL	---
SPECIMEN, CHAMPION, HISTORIC TREE PROPOSED FOR REMOVAL	---
SPECIMEN, CHAMPION, HISTORIC TREE TO BE SAVED	---
REFORESTATION AFFORESTATION SIGN	---
SPECIMEN TREE SIGN	---
PROPERTIES WITH TOPS	---

SPECIMEN TREE TABLE						
No.	Sheet No.	Common Name	Scientific Name	DBH (Inches)	Condition Rating	Disposition
1	3	Willow Oak	Quercus Phellos	31.5"	Good	To remain
2	3	White Oak	Quercus Alba	40.5"	Good	To remain
3	3	White Oak	Quercus Alba	45"	Poor	To remain
4	3	White Oak	Quercus Alba	45"	Poor	To remain
5	5	Tulip Poplar	Liriodendron Tulipifera	30"	Poor	To remain
6	5	Willow Oak	Quercus Phellos	41"	Excellent	To remain
7	5	Tulip Poplar	Liriodendron Tulipifera	40"	Fair	To be removed
8	6	Willow Oak	Quercus Phellos	47"	Fair	To be removed
9	7	Tulip Poplar	Liriodendron Tulipifera	31"	Poor	To remain
10	5	Tulip Poplar	Liriodendron Tulipifera	31"	Good	To remain
11	6, 7	Tulip Poplar	Liriodendron Tulipifera	41"	Excellent	To be removed
12	6, 7	Willow Oak	Quercus Phellos	31"	Good	To remain
13	8	White Oak	Quercus Alba	31"	Good	To remain
14	8	Tulip Poplar	Liriodendron Tulipifera	32"	Excellent	To remain
15	8	Tulip Poplar	Liriodendron Tulipifera	32"	Excellent	To remain
16	8, 12	Tulip Poplar	Liriodendron Tulipifera	42"	Excellent	To remain
17	8, 12	Southern Red Oak	Quercus Falcata	43"	Excellent	To be removed*
18	8, 12, 14	Tulip Poplar	Liriodendron Tulipifera	41"	Excellent	To be removed*
19	10	Tulip Poplar	Liriodendron Tulipifera	37"	Excellent	To remain
20	9	Tulip Poplar	Liriodendron Tulipifera	33"	Excellent	To be removed
21	9	Sweet Gum	Liquidambar styraciflua	34"	Excellent	To remain
22	9, 10	Tulip Poplar	Liriodendron Tulipifera	41"	Excellent	To remain
23	10, 11	Tulip Poplar	Liriodendron Tulipifera	30"	Good	To be removed*
24	10, 11, 12	Tulip Poplar	Liriodendron Tulipifera	37"	Good	To be removed*
25	10, 11, 12	Tulip Poplar	Liriodendron Tulipifera	33"	Excellent	To remain
26	11, 12	Tulip Poplar	Liriodendron Tulipifera	35"	Good	To be removed*
27	15	Willow Oak	Quercus Phellos	34"	Excellent	To remain
28	15	Tulip Poplar	Liriodendron Tulipifera	42"	Excellent	To remain
29	8, 14	Tulip Poplar	Liriodendron Tulipifera	35"	Good	To remain
30	8, 14	Tulip Poplar	Liriodendron Tulipifera	35"	Good	To remain
31	8, 14	Tulip Poplar	Liriodendron Tulipifera	32"	Good	To remain
32	15	Tulip Poplar	Liriodendron Tulipifera	33"	Good	To be removed*
33	15	White Oak	Quercus Alba	31"	Good	To remain
34	16	White Oak	Quercus Alba	41"	Good	To remain

SPECIMEN TREE TABLE						
No.	Sheet No.	Common Name	Scientific Name	DBH (Inches)	Condition Rating	Disposition
35	17	Willow Oak	Quercus Phellos	43"	Good	To be removed
36	17	White Oak	Quercus Alba	37"	Excellent	To remain
37	17	White Oak	Quercus Alba	35"	Excellent	To remain
38	20	Tulip Poplar	Liriodendron Tulipifera	30"	Excellent	To be removed*
39	20	Willow Oak	Quercus Phellos	40"	Excellent	To remain
40	19	Red Maple	Acer Rubrum	35.5"	Poor	To be removed
41	19	Red Maple	Acer Rubrum	49.5"	Fair	To remain
42	19	White Oak	Quercus Alba	31"	Fair	To remain
43	19, 20	Tulip Poplar	Liriodendron Tulipifera	32"	Fair	To remain
44	20	Red Maple	Acer Rubrum	34.5"	Poor	To be removed*
45	20	Sycamore	Platanus Occidentalis	32"	Poor	To be removed*
46	20	Red Maple	Acer Rubrum	32"	Poor	To remain
47	20	Sweet Gum	Liquidambar styraciflua	38.5"	Fair	To remain
48	20	Tulip Poplar	Liriodendron Tulipifera	35"	Poor	To remain
49	21	White Oak	Quercus Alba	40"	Fair	To be removed*
50	21	Tulip Poplar	Liriodendron Tulipifera	33"	Fair	To be removed
51	21	Tulip Poplar	Liriodendron Tulipifera	37"	Fair	To remain
52	21, 22	Tulip Poplar	Liriodendron Tulipifera	36"	Fair	To remain
53	22	North Red Oak	Quercus Rubra L.	31"	Fair	To remain
54	23	Tulip Poplar	Liriodendron Tulipifera	38"	Fair	To remain
55	23	Sweet Gum	Liquidambar styraciflua	36"	Poor	To remain
56	23	Tulip Poplar	Liriodendron Tulipifera	38"	Fair	To remain
57		Southern Red Oak	Quercus Falcata	33"	Fair	To remain
58	23	Sycamore	Platanus Occidentalis	30"	Poor	To be removed*
59	23	Sycamore	Platanus Occidentalis	35"	Fair	To remain
60	22	Southern Red Oak	Quercus Falcata	34"	Fair	To remain
61	22	Red Maple	Acer Rubrum	32"	Fair	To be removed
62	22	Sweet Gum	Liquidambar styraciflua	35"	Good	To remain
63	22	Tulip Poplar	Liriodendron Tulipifera	48"	Poor	To remain
64	21	Willow Oak	Quercus Phellos	35"	Fair	To remain
65	21	Willow Oak	Quercus Phellos	32"	Good	To remain
66	20	Tulip Poplar	Liriodendron Tulipifera	33"	Fair	To be removed*
67	20	Sycamore	Platanus Occidentalis	35"	Fair	To remain
68	6	Southern Red Oak	Quercus Falcata	47"	Excellent	To remain

SPECIMEN TREE TABLE (from NRI-128-2017)						
No.	Sheet No.	Common Name	Scientific Name	DBH (Inches)	Condition Rating	Disposition
4	8	Blackgum	Nyssa sylvatica	32"	Fair	To be removed
5	7a	Southern Red Oak	Quercus Falcata	32"	Excellent	To be removed
6	7	Chestnut Oak	Quercus prinus	38"	Fair	To be removed
8	7	Yellow Poplar	Liriodendron Tulipifera	33"	Good	To remain

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TREE CONSERVATION PLAN APPROVAL TCP 2 - 017 - 2019			
Approved by:	Date:	DRD #	Reason for Revision
00	9/12/2019		
01			
02			
03			
04			
05			
06			

GRAPHIC SCALE
0 100 200 300 400 500
SCALE: 1" = 150'

August 7, 2019
DATE
Mike Petroski
Qualified Professional
COMAR 08.19.06.01

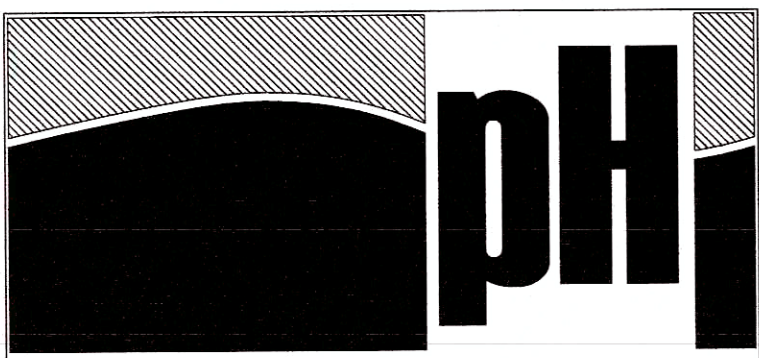
11727 WOODMERE ROAD, SUITE 300
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BEN DYER ASSOCIATES, INC.
Engineers / Surveyors / Planners
TELEPHONE (301) 430-2000
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DESIGNED BY: PCN HM MP
CHECKED BY: J-B18014
SCALE: 1" = 150'
DATE: SEPTEMBER 2018
DWG. NO.: 54.015-Z

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REFERENCE MARYLAND STATE LAW ON
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800-257-7777

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- DETAILED TOPOGRAPHIC DATA COLLECTION IS CURRENTLY IN PROGRESS.
- TOPOGRAPHIC INFORMATION ILLUSTRATED ON THIS PLAN WAS OBTAINED FROM 2014 LIDAR DATA OBTAINED FROM MD IMAP WEBSITE: IMAP.MARYLAND.GOV/
- THE WETLAND AND WATERS OF THE UNITED STATES DELINEATION FOR THIS PROJECT IS CURRENT IN PROGRESS.
- PROPOSED WORK TO BE COMPLETED PURSUANT TO THE FOLLOWING PERMITS:
6.1 USACE: TBD
6.2 MDE: TBD
6.3 PGSCD: TBD
- 100-YEAR FLOODPLAIN MAPPED BASED ON THE FEMA DFRM MAP NO. 24033C0245E. DFRM MAPPING WAS PREPARED UNDER THE PRINCE GEORGE'S COUNTY FLOOD INSURANCE STUDY (FIS) NUMBERED 24033C0V00, WITH AN EFFECTIVE DATE OF SEPTEMBER 16, 2016.

DATE	DESCRIPTION
	REVISIONS



SCIENTISTS AND ENGINEERS
2200 SOMERVILLE ROAD
SUITE 300
ANNAPOLIS, MD 21401
PHONE: 908.237.5660
FAX: 908.237.5666
WWW.PRINCETONHYDRO.COM



PROJECT NAME/LOCATION:
TINKERS CREEK
STREAM RESTORATION PROJECT
PRINCE GEORGE'S COUNTY
MS4 COMPLIANCE PROGRAM
CLINTON AND CAMP SPRINGS, MARYLAND

DRAWING NAME:

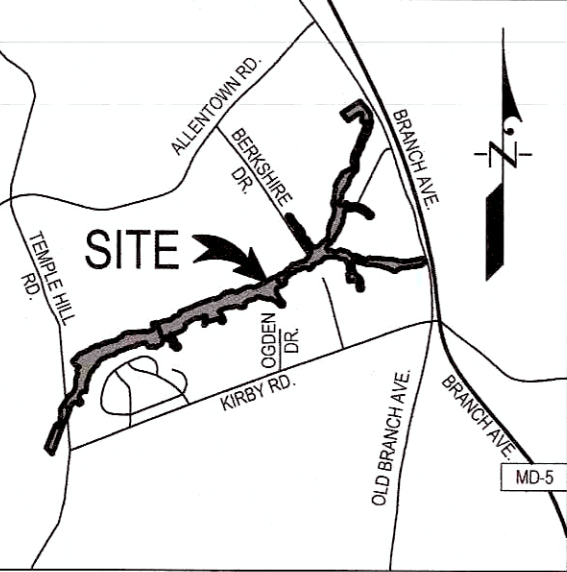
OVERALL
TREE CONSERVATION PLAN - TYPE 2

DATE:	6/13/2018
PROJECT NO.:	0995.048
SCALE:	
DRAWN BY:	
CHECKED BY:	

SHEET NO.

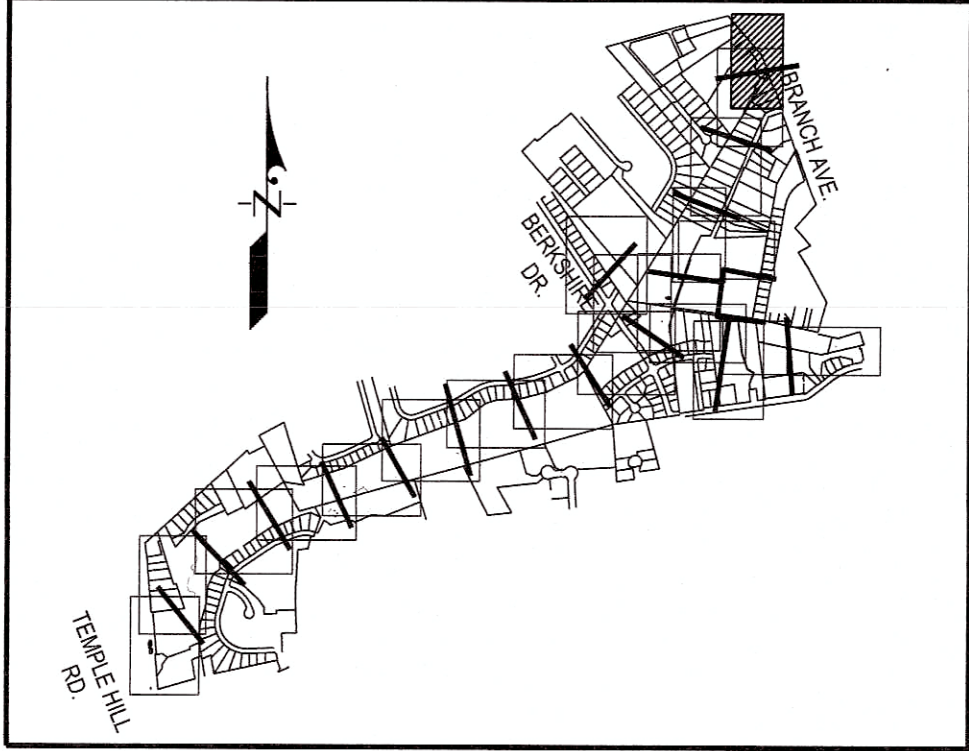
2 OF 24

*To be removed only in the instance, after field assessment, that the field engineer/ecologist determines during construction that disturbance will result in the death of the tree.



VICINITY MAP

SCALE: 1" = 4000'



KEY MAP

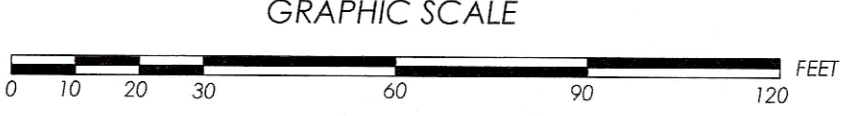
SCALE: 1" = 2000'

LEGEND

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- REFORESTATION/AFFORESTATION SIGN
- SPECIMEN TREE SIGN



MATCH LINE - SEE SHEET 4



GRAPHIC SCALE

SCALE: 1" = 30'

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TREE CONSERVATION PLAN APPROVAL TCP 2 - 017 - 2019			
Approved by	Date	DRD #	Reason for Revision
00	9/12/2019		
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DESIGNED BY: PCV
CHECKED BY: MP
DATE: SEPTEMBER 2018
DRAWN BY: Mike Petrakis
QUALIFIED PROFESSIONAL
COMAR 08.15.06.01

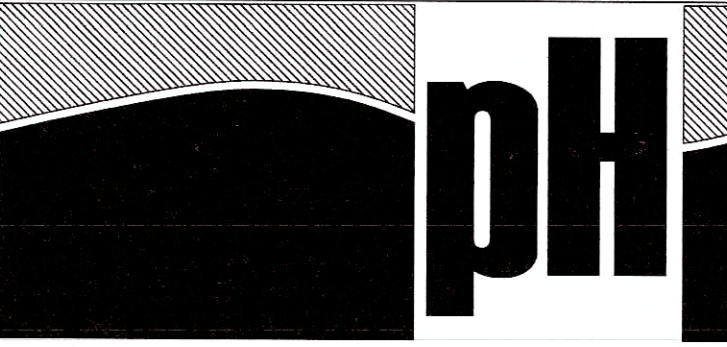
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DATE	DESCRIPTION
REVISIONS	



SCIENTISTS AND ENGINEERS
2200 SOMERVILLE ROAD
SUITE 300
ANNAPOLIS, MD 21401
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TINKERS CREEK
STREAM RESTORATION PROJECT
PRINCE GEORGE'S COUNTY
MS4 COMPLIANCE PROGRAM
CLINTON AND CAMP SPRINGS, MARYLAND

DRAWING NAME:

TREE CONSERVATION PLAN - TYPE 2

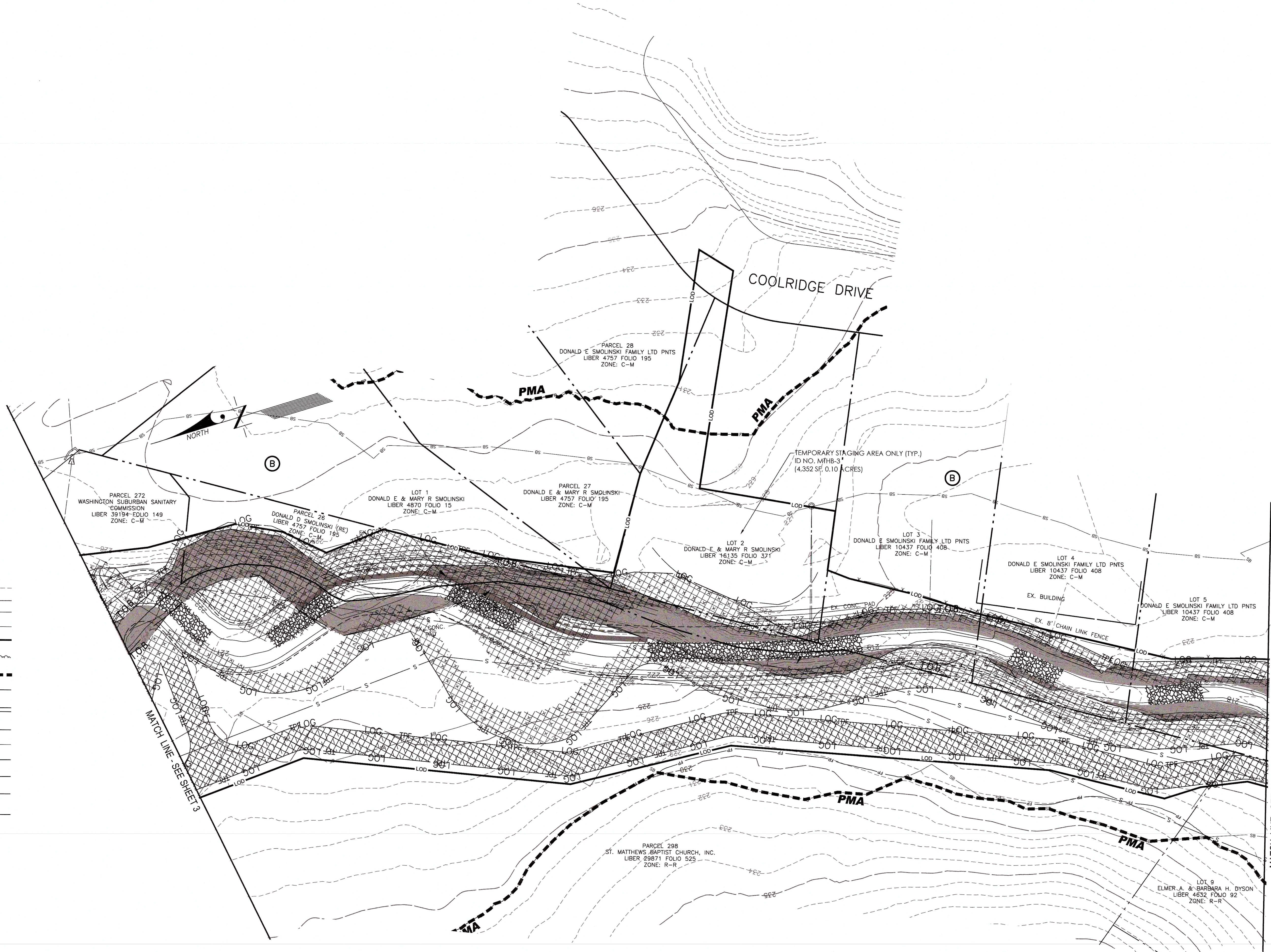
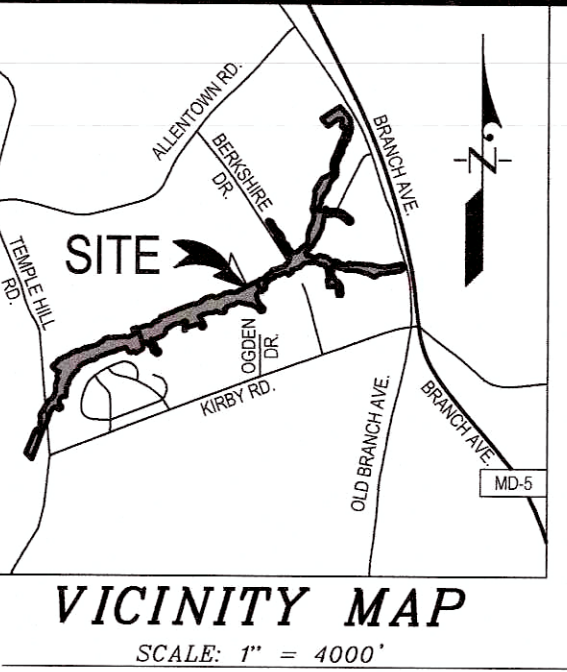
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PROJECT NO.:	0995.048
SCALE:	
DRAWN BY:	
CHECKED BY:	

SHEET NO.

3

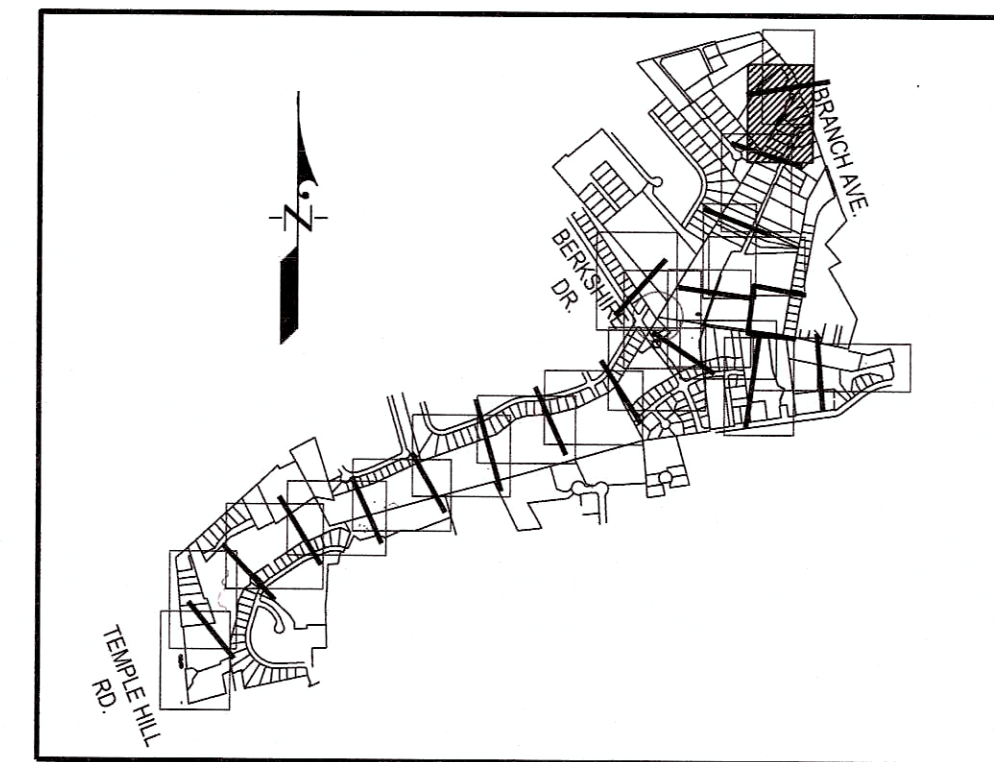
24

OF



LEGEND

- EX. CONTOUR (2)
- EX. CONTOUR (10)
- PROP. CONTOUR (2)
- PROP. CONTOUR (10)
- LIMIT OF DISTURBANCE
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- PROPOSED STREAM
- STREAM BUFFER (50')
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- EX. WETLAND BUFFER (25')
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- WOODLAND REFORESTATION WETLAND AREA (WRA)
- WOODLAND REFORESTATION UPLAND AREA (WRA)
- WOODLAND REFORESTATION LIVE STAKES AREA
- PROPOSED CHANNEL FILL
- SPECIMEN, CHAMPION, HISTORIC TREE PROPOSED FOR REMOVAL
- SPECIMEN, CHAMPION, HISTORIC TREE TO BE SAVED
- REFORESTATION AFFORESTATION SIGN
- SPECIMEN TREE SIGN



KEY MAP
SCALE: 1" = 2000'

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TREE CONSERVATION PLAN APPROVAL TCP 2 - 017 - 2019			
Approved by	Date	DRB #	Reason for Revision
00	9/12/2019		
01			
02			
03			
04			
05			
06			

August 7, 2019
DATE
Mike Petroski
Qualified Professional
COMAR 08.18.06.01

GRAPHIC SCALE
0 10 20 30 40 50 60 70 80 90 100 110 120
SCALE: 1" = 30'
BEN DYER ASSOCIATES, INC.
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J-B18014
54.017-Z

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MARYLAND LAW REQUIRES
2 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE
STOP CALL
REFERENCE MARYLAND STATE LAW ON
UNDERGROUND UTILITY DRAINAGE PREVENTION
LAW (MARYLAND STATE LAW TITLE 12)
800-257-7777

PROJECT NOTES

- VERTICAL DATUM IS NORTH AMERICAN
VERTICAL DATUM 1988 (NAVD88) (GEOD
09), US FEET.
- HORIZONTAL DATUM IS NORTH AMERICAN
DATUM 1983 (NAD83), MARYLAND STATE
PLANE COORDINATES (SPC 1900), US
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- DETAILED TOPOGRAPHIC DATA COLLECTION
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LIDAR DATA OBTAINED FROM MD IMAP
WEBSITE: IMAP.MARYLAND.GOV/
- THE WETLAND AND WATERS OF THE
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PROJECT IS CURRENT IN PROGRESS.
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PURSUANT TO THE FOLLOWING PERMITS:
6.1.USACE: TBD
6.2.MDE: TBD
6.3.PGSCD: TBD
- 100-YEAR FLOODPLAIN MAPPED BASED ON
THE FEMA DFIRM MAP NO. 24033C0245E.
DFIRM MAPPING WAS PREPARED UNDER
THE PRINCE GEORGE'S COUNTY FLOOD
INSURANCE STUDY (FIS) NUMBERED
24033C000, WITH AN EFFECTIVE DATE OF
SEPTEMBER 16, 2016.

DATE	DESCRIPTION
REVISIONS	

SCIENTISTS AND ENGINEERS
2200 SOMERVILLE ROAD
SUITE 300
ANNAPOLIS, MD 21401
PHONE: 908.237.5660
FAX: 908.237.5666
WWW.PRINCETONHYDRO.COM



PROJECT NAME/LOCATION:
TINKERS CREEK
STREAM RESTORATION PROJECT
PRINCE GEORGE'S COUNTY
MS4 COMPLIANCE PROGRAM
CLINTON AND CAMP SPRINGS, MARYLAND

DRAWING NAME:

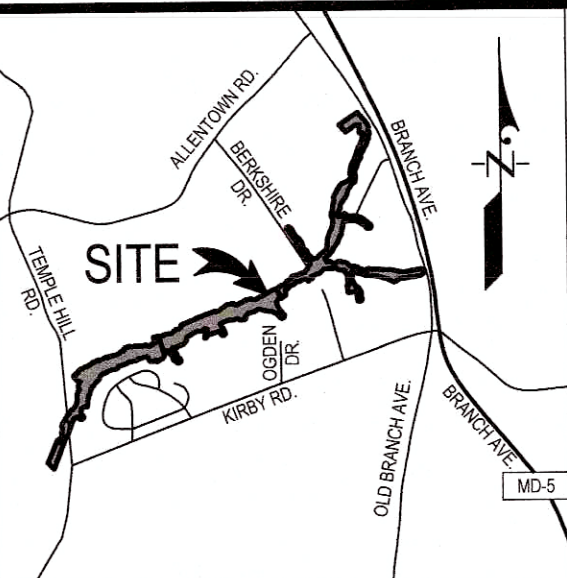
TREE CONSERVATION PLAN - TYPE 2

DATE:	6/13/2018
PROJECT NO.:	0995.048
SCALE:	
DRAWN BY:	
CHECKED BY:	
SHEET NO.	

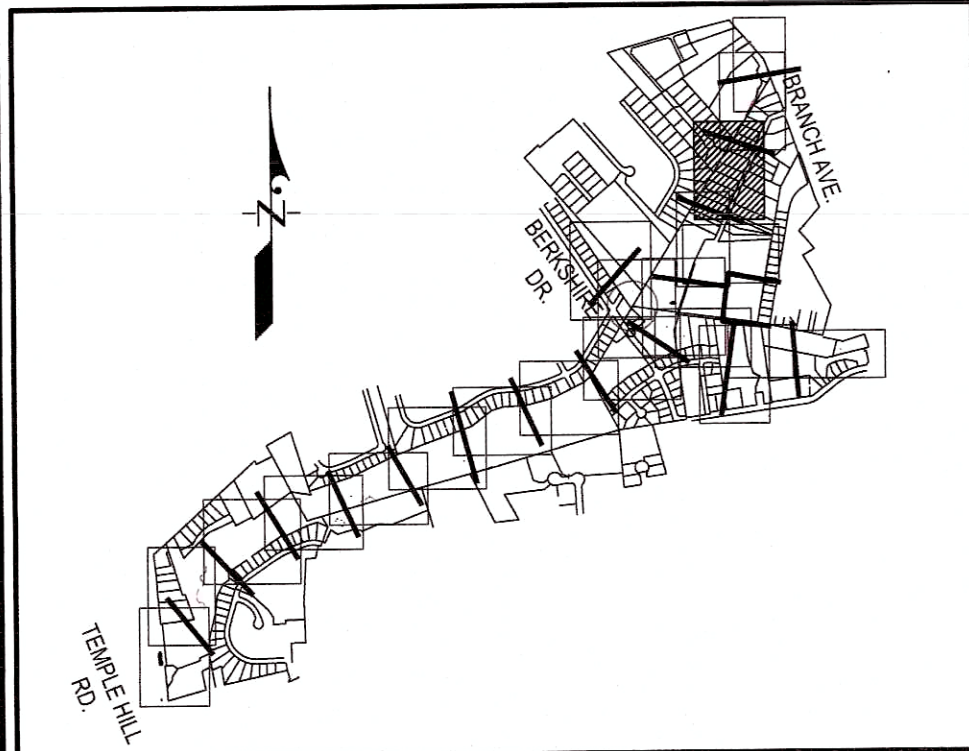
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24

OF



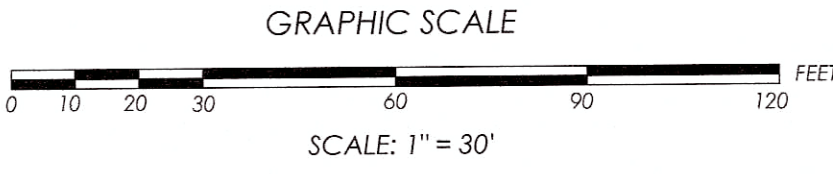
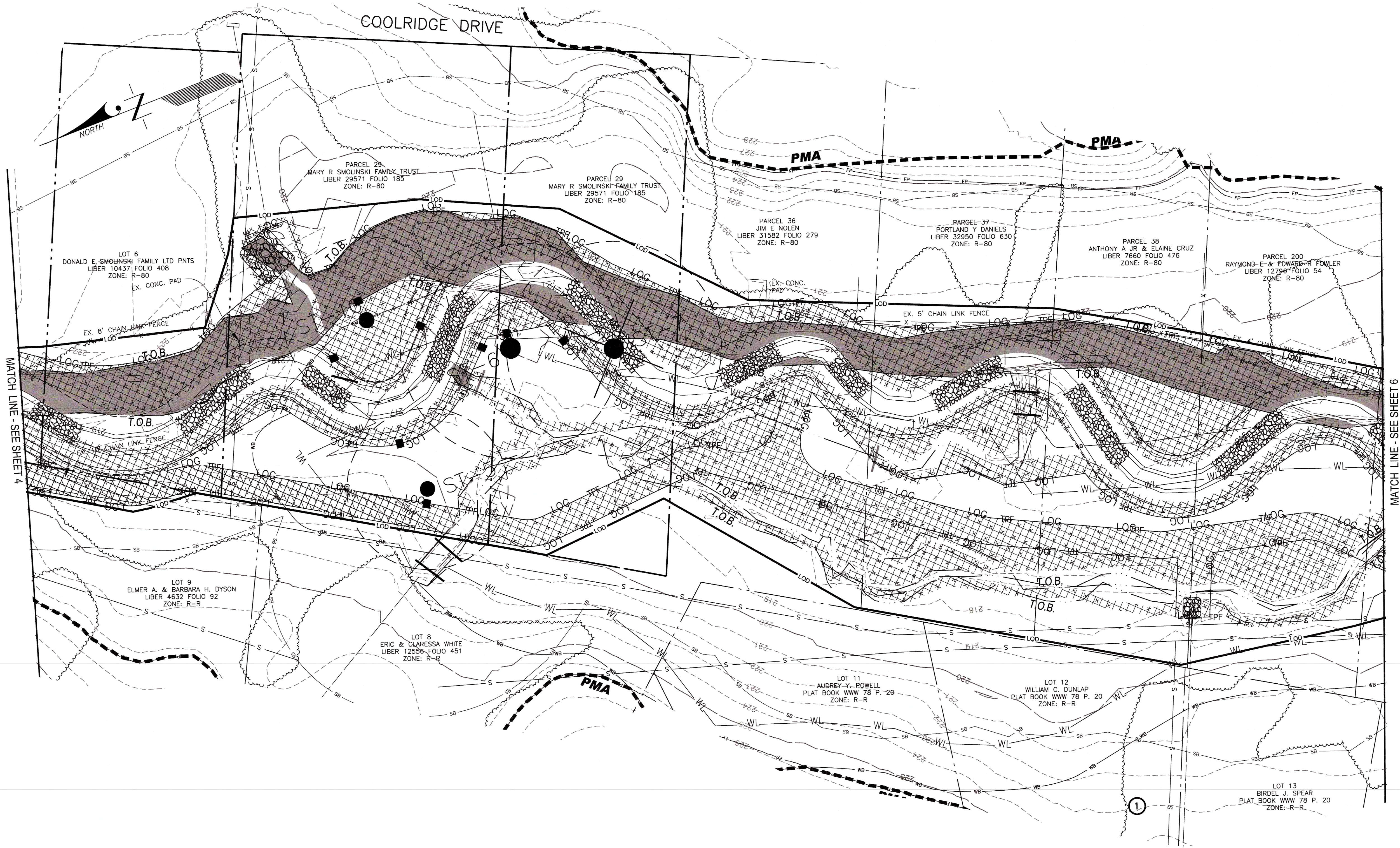
VICINITY MAP
SCALE: 1" = 4000'



KEY MAP
SCALE: 1"=2000'

LEGEND

EX. CONTOUR (2')	
EX. CONTOUR (10')	
PROP. CONTOUR (2')	
PROP. CONTOUR (10')	
LIMIT OF DISTURBANCE	
EX. TREELINE	
PRIMARY MANAGEMENT AREA (PMA)	
REGULATED STREAM (CENTERLINE)	
REGULATED STREAM (TOP OF BANK)	
PROPOSED STREAM	
STREAM BUFFER (50')	
NONTIDAL WETLAND	
EX. WETLAND BUFFER (25')	
TREE PROTECTION FENCE (TEMPORARY)	
LIMIT OF GRADING	
WOODLAND REFORESTATION WETLAND AREA (WRA)	
WOODLAND REFORESTATION UPLAND AREA (WRA)	
WOODLAND REFORESTATION LIVE STAKES AREA	
PROPOSED CHANNEL FILL	
SPECIMEN, CHAMPION, HISTORIC TREE PROPOSED FOR REMOVAL	
SPECIMEN, CHAMPION, HISTORIC TREE TO BE SAVED	
REFORESTATION/AFFORESTATION SIGN	
SPECIMEN TREE SIGN	



Prince George's County Planning Department, M-NCPPC			
TREE CONSERVATION PLAN APPROVAL			
TCP 2 - 017 - 2019			
Approved by	Date	DRD #	Reason for Revision
Mike Petrakis	9/12/2019		
01			
02			
03			
04			
05			
06			

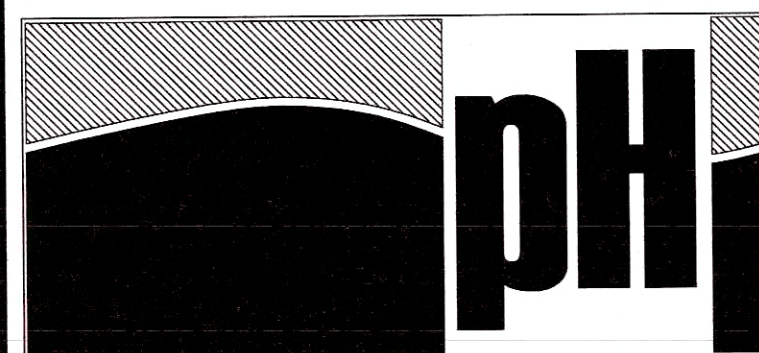
BEN DYER ASSOCIATES, INC.			
Engineers / Surveyors / Planners			
TELEPHONE (301) 430-2000			
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PROJECT NO.	REVISION NO.	DATE	RECORD NO.
J-B18014		SEPTEMBER 2018	54.018-Z

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800-257-7777

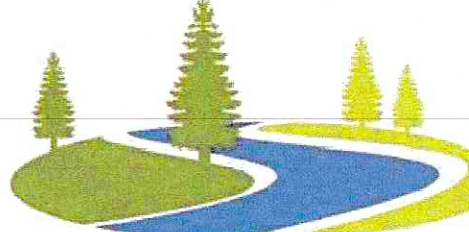
PROJECT NOTES

1. VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88) (GEOID 09), US FEET.
2. HORIZONTAL DATUM IS NORTH AMERICAN DATUM 1983 (NAD83), MARYLAND STATE PLANE COORDINATES (SPC 1900), US FEET.
3. DETAILED TOPOGRAPHIC DATA COLLECTION IS CURRENTLY IN PROGRESS.
4. TOPOGRAPHIC INFORMATION ILLUSTRATED ON THIS PLAN WAS OBTAINED FROM 2014 LIDAR DATA OBTAINED FROM MD IMAP WEBSITE: IMAP.MARYLAND.GOV/
5. THE WETLAND AND WATERS OF THE UNITED STATES DELINEATION FOR THIS PROJECT IS CURRENT IN PROGRESS.
6. PROPOSED WORK TO BE COMPLETED PURSUANT TO THE FOLLOWING PERMITS:
6.1 USACE: TBD
6.2 MDE: TBD
6.3 PGSCD: TBD
7. 100-YEAR FLOODPLAIN MAPPED BASED ON THE FEMA DFIRM MAP NO. 24033C0245E. DFIRM MAPPING WAS PREPARED UNDER THE PRINCE GEORGE'S COUNTY FLOOD INSURANCE STUDY (FIS) NUMBERED 24033C000, WITH AN EFFECTIVE DATE OF SEPTEMBER 16, 2016.

DATE	DESCRIPTION
REVISIONS	



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SUITE 300
ANNAPOLIS, MD 21401
PHONE: 908.237.5660
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WWW.PRINCETONHYDRO.COM



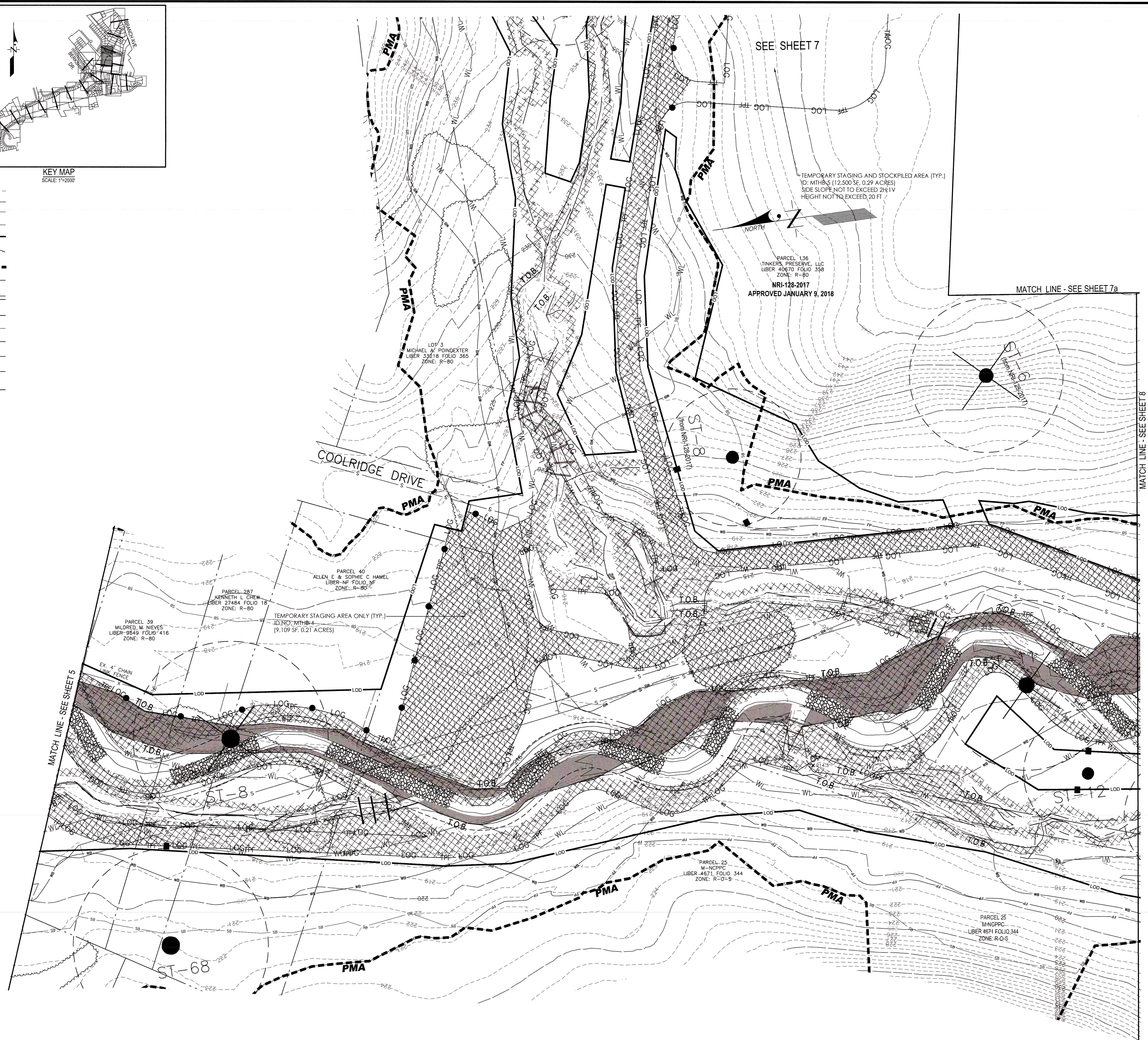
PROJECT NAME/LOCATION:
TINKERS CREEK
STREAM RESTORATION PROJECT
PRINCE GEORGE'S COUNTY
MS4 COMPLIANCE PROGRAM
CLINTON AND CAMP SPRINGS, MARYLAND

DRAWING NAME:
TREE CONSERVATION PLAN - TYPE 2

DATE:	6/13/2018
PROJECT NO.:	0995.048
SCALE:	
DRAWN BY:	
CHECKED BY:	

SHEET NO.
5 OF 24

EX. CONTOUR (2') _____
 EX. CONTOUR (10') _____
 PROP. CONTOUR (2') _____
 PROP. CONTOUR (10') _____
 LIMIT OF DISTURBANCE _____
 EX. TREELINE _____
 PRIMARY MANAGEMENT AREA (PMA) _____
 REGULATED STREAM (CENTERLINE) _____
 REGULATED STREAM (TOP OF BANK) _____
 PROPOSED STREAM _____
 STREAM BUFFER (50') _____
 NONTIDAL WETLAND _____
 EX. WETLAND BUFFER (25') _____
 TREE PROTECTION FENCE (TEMPORARY) _____
 LIMIT OF GRADING _____
 WOODLAND REFORESTATION WETLAND AREA (WRA) _____
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 SPECIMEN, CHAMPION, HISTORIC TREE PROPOSED FOR REMOVAL _____
 SPECIMEN, CHAMPION, HISTORIC TREE TO BE SAVED _____
 REFORESTATION/ AFFORESTATION SIGN _____
 SPECIMEN TREE SIGN _____

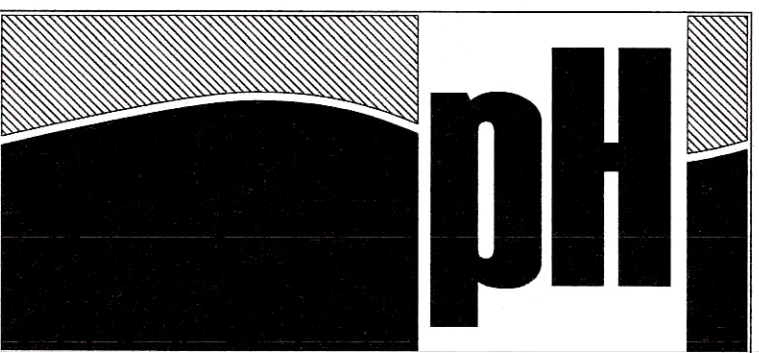


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 LAW (MARYLAND STATE LAW TITLE 12)
 800-257-7777

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VERTICAL DATUM 1988 (NAVDB8) (GEOID
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6.2. MDE: TBD
6.3. PSCD: TBD
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THE FEMA DFIRM MAP NO. 24033C00245E.
DFIRM MAPPING WAS PREPARED UNDER
THE PRINCE GEORGE'S COUNTY FLOOD
INSURANCE STUDY (FIS) NUMBERED
24033CV00, WITH AN EFFECTIVE DATE OF
SEPTEMBER 16, 2016.

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REVISIONS	



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2200 SOMERVILLE ROAD
SUITE 300
ANNAPOLIS, MD 21401
PHONE. 908.237.5660
FAX. 908.237.5666
WWW.PRINCETONHYDRO.COM



PROJECT NAME/LOCATION:

TINKERS CREEK
STREAM RESTORATION PROJECT
PRINCE GEORGE'S COUNTY
MS4 COMPLIANCE PROGRAM
CLINTON AND CAMP SPRINGS, MARYLAND

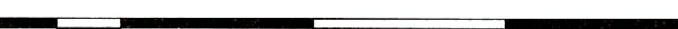
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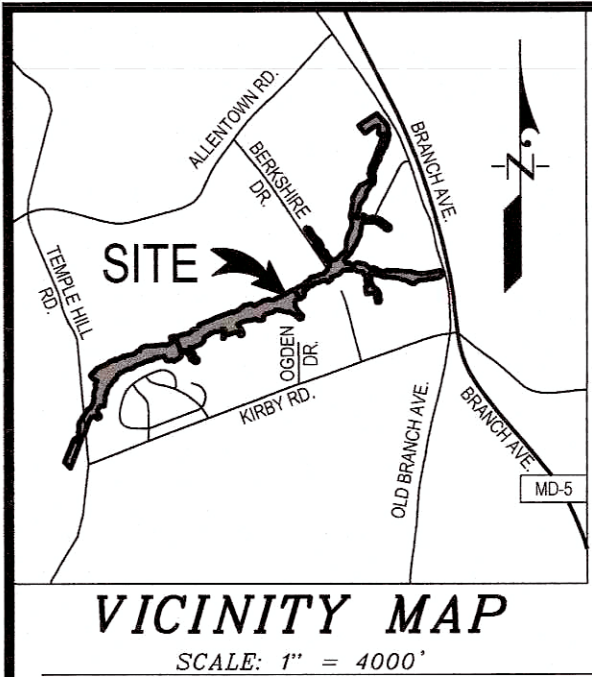
TREE CONSERVATION PLAN - TYPE 2

DATE:	6/13/2018
PROJECT NO.:	0995.048
SCALE:	
DRAWN BY:	
CHECKED BY:	
SHEET NO	

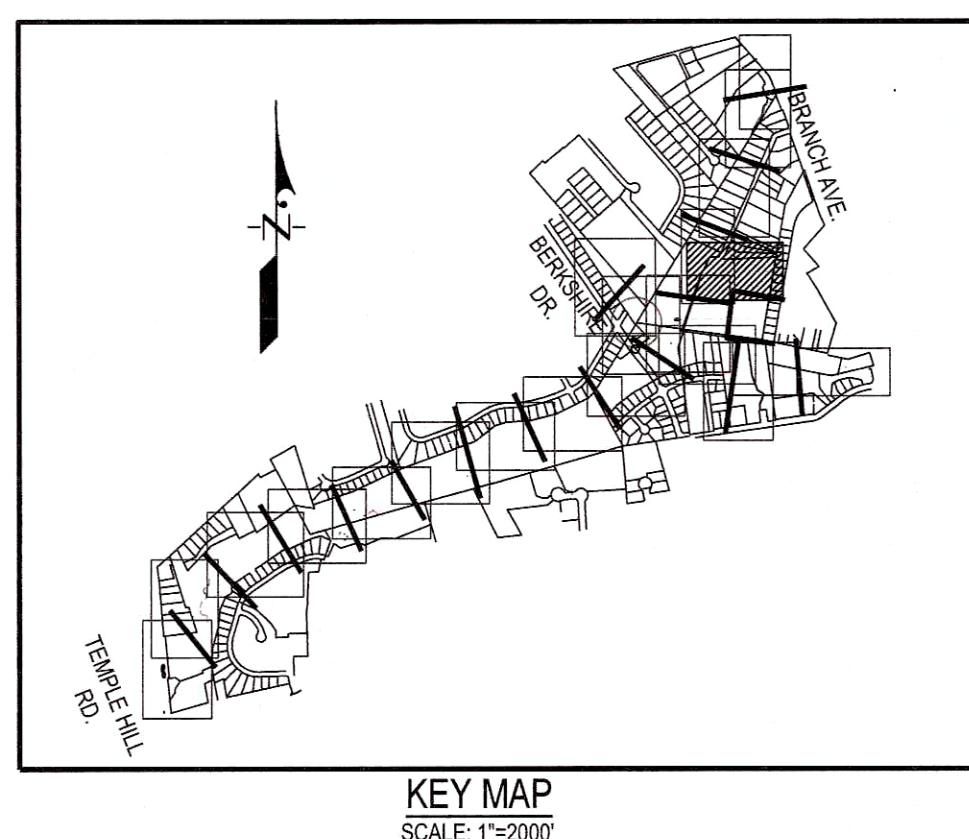
6 OF 24

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TREE CONSERVATION PLAN APPROVAL TCP 2 – 017 – 2019				
	Approved by	Date	DRD #	Reason for Revision
01	<i>John S. Swanson</i>	9/12/2019		
02				
03				
04				
05				
06				

 SCALE: 1" = 30'																	
August 7, 2019 DATE  Mike Petrakis Qualified Professional Conductor 08.19.06.01	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center; padding: 5px;"> 11721 WOODMOORE ROAD, SUITE 200 MITCHELLVILLE, OHIO 45201 </td> </tr> <tr> <td style="width: 30%; text-align: center; padding: 10px;">  </td> <td style="padding: 10px;"> BEN DYER ASSOCIATES, INC. Residential Surveyors / Planners TELEPHONE (301) 430-2300 COPYRIGHT © 2016 BEN DYER ASSOCIATES, INC. </td> </tr> <tr> <td style="padding: 5px;"> DRAWN BY PCN </td> <td style="padding: 5px;"> DESIGNED BY HM </td> <td style="padding: 5px;"> CHECKED BY MP </td> <td style="padding: 5px;"> RECORD NO. J-B18014 </td> </tr> <tr> <td colspan="3" style="padding: 5px;"> SCALE 1" = 30' </td> <td style="padding: 5px;"> DRAWING NO. 54.019-Z </td> </tr> <tr> <td colspan="4" style="padding: 5px; text-align: center;"> DATE SEPTEMBER 2018 </td> </tr> </table>	11721 WOODMOORE ROAD, SUITE 200 MITCHELLVILLE, OHIO 45201			BEN DYER ASSOCIATES, INC. Residential Surveyors / Planners TELEPHONE (301) 430-2300 COPYRIGHT © 2016 BEN DYER ASSOCIATES, INC.	DRAWN BY PCN	DESIGNED BY HM	CHECKED BY MP	RECORD NO. J-B18014	SCALE 1" = 30'			DRAWING NO. 54.019-Z	DATE SEPTEMBER 2018			
11721 WOODMOORE ROAD, SUITE 200 MITCHELLVILLE, OHIO 45201																	
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DRAWN BY PCN	DESIGNED BY HM	CHECKED BY MP	RECORD NO. J-B18014														
SCALE 1" = 30'			DRAWING NO. 54.019-Z														
DATE SEPTEMBER 2018																	



- LEGEND**
- EX. CONTOUR (2)
 - EX. CONTOUR (10)
 - PROP. CONTOUR (2)
 - PROP. CONTOUR (10)
 - LIMIT OF DISTURBANCE
 - EX. TREELINE
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 - REGULATED STREAM (TOP OF BANK)
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Prince George's County Planning Department, M-NCPPC Environmental Planning Section TREE CONSERVATION PLAN APPROVAL TCP 2 - 017 - 2019			
Approved by	Date	DRD #	Reason for Revision
00	9/12/19		
01			
02			
03			
04			
05			
06			

GRAPHIC SCALE
0 10 20 30 40 50 60 70 80 90 100 110 120 FEET
SCALE: 1" = 30'

17721 WOODMORE ROAD, SUITE 200
MITCHELLVILLE, MARYLAND 20721
BEN DYER ASSOCIATES, INC.
Engineers / Surveyors / Planners
TELEPHONE (301) 430-2000
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Mike Petrakis
Qualified Professional
COMAR 08.19.06.01

DATE: August 7, 2019
SCALE: 1" = 30'
PROJECT: PCN HM MP
SHEET: 54.020-Z
DATE: SEPTEMBER 2018

CALL BEFORE YOU DIG!
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2 WORKING DAYS NOTICE FOR
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800-257-7777

PROJECT NOTES

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6.3. PGSCD: TBD
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SEPTEMBER 16, 2016.

DATE	DESCRIPTION
	REVISIONS

SCIENTISTS AND ENGINEERS
2200 SOMERVILLE ROAD
SUITE 300
ANNAPOLIS, MD 21401
PHONE: 908.237.5660
FAX: 908.237.5666
WWW.PRINCEGEORGESHYDRO.COM

GV-Petro Joint Venture LLC
Environmental Restoration • Wetlands • Erosion • Pipeline Management

PROJECT NAME/LOCATION:
TINKERS CREEK
STREAM RESTORATION PROJECT
PRINCE GEORGE'S COUNTY
MS4 COMPLIANCE PROGRAM
CLINTON AND CAMP SPRINGS, MARYLAND

DRAWING NAME:
TREE CONSERVATION PLAN - TYPE 2

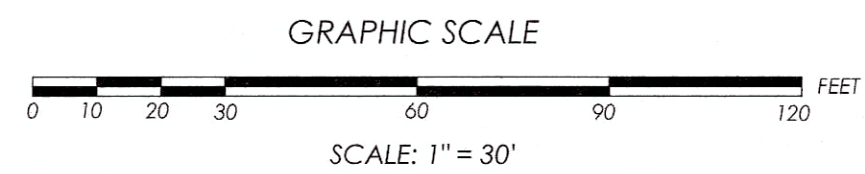
DATE:	6/13/2018
PROJECT NO.:	0995.048
SCALE:	
DRAWN BY:	
CHECKED BY:	
SHEET NO.	7 OF 24



EX. CONTOUR (2)	----
EX. CONTOUR (10)	-----
PROP. CONTOUR (2)	_____
PROP. CONTOUR (10)	-----
LIMIT OF DISTURBANCE	————— 100' ————— 100' —————
EX. TREELINE	~~~~~
PRIMARY MANAGEMENT	
PMA (PMA)	
REGULATED STREAM (CENTERLINE)	=====
REGULATED STREAM (TOP OF BANK)	===== T.O.B. =====
PROPOSED STREAM	===== BF =====
STREAM BUFFER (50')	===== SB =====
NONTIDAL WETLAND	===== WL =====
EX. WETLAND BUFFER (25')	===== WB =====
TREE PROTECTION FENCE (TEMPORARY)	===== TPF =====
LIMIT OF GRADING	————— LOG —————
WOODLAND REFORESTATION WETLAND AREA (WRA)	
WOODLAND REFORESTATION UPLAND AREA (WRA)	
WOODLAND REFORESTATION LIVE STAKES AREA	
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SPECIMEN TREE SIGN	



Prince George's County Planning Department, M-NCPPC Environmental Planning Section TREE CONSERVATION PLAN APPROVAL TCP 2 – 017 – 2019				
Approved by 		Date 9/12/2019	DRD #	Reason for Revision
00				
01				
02				
03				
04				
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06				



August 7, 2019
DATE

Mike Petroski
Qualified Professional
COMAR 08.19.06.01

11721 WOODMOORE ROAD, SUITE 200
MITCHELLVILLE, MARYLAND 20721

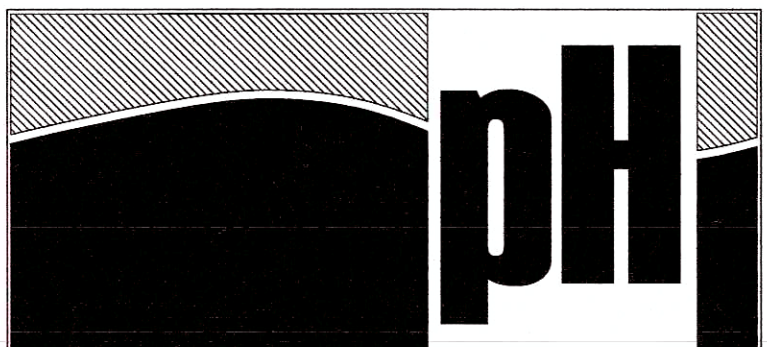
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DESIGNED BY: PCL	DESIGNED BY: HJM	CHECKED BY: MP	RECORD NO.
SCALE: 1" = 30'			J-B1801A
DATE: SEPTEMBER 2018			DRAWING NO. 54.037-2

CALL BEFORE YOU DIG!
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2 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE
STOP CALL
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LAW (MARYLAND STATE LAW TITLE 12)
 800-257-7777

1. VERTICAL DATUM IS NORTH AMERICAN
VERTICAL DATUM 1988 (NAVD88) (GEOID
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6.2.MD: TBD
6.3.POSCD: TBD
7. 100-YEAR FLOODPLAIN MAPPED BASED ON
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INSURANCE STUDY (FIS) NUMBERED
24033C0V00, WITH AN EFFECTIVE DATE OF
SEPTEMBER 16, 2016.

DATE	DESCRIPTION
REVISIONS	



SCIENTISTS AND ENGINEERS
2200 SOMERVILLE ROAD
SUITE 300
ANNAPOLIS, MD 21401
PHONE. 908.237.5660
FAX. 908.237.5666
WWW.PRINCETONHYDRO.COM



PROJECT NAME/LOCATION:
TINKERS CREEK
STREAM RESTORATION PROJECT
PRINCE GEORGE'S COUNTY
MS4 COMPLIANCE PROGRAM
CLINTON AND CAMP SPRINGS, MARYLAND

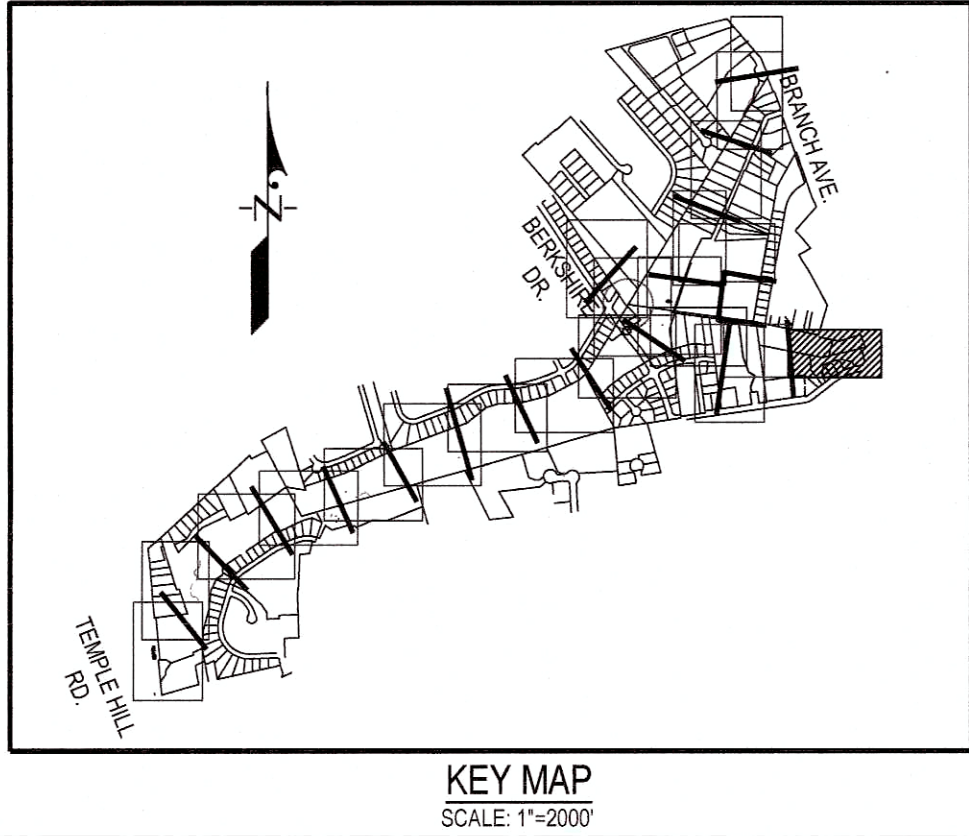
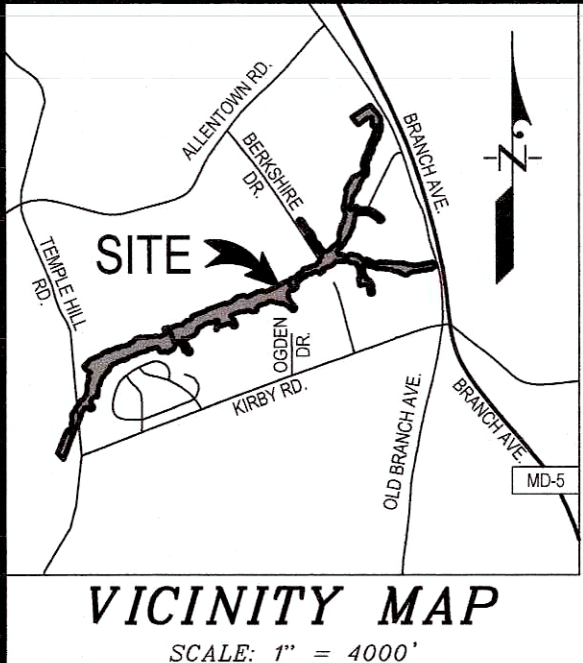
DRAWING NAME:

TREE CONSERVATION PLAN - TYPE 2

DATE:	6/13/2018
PROJECT NO.:	0995.048
SCALE:	
DRAWN BY:	
CHECKED BY:	

SHEET NO.

7a 24 OF

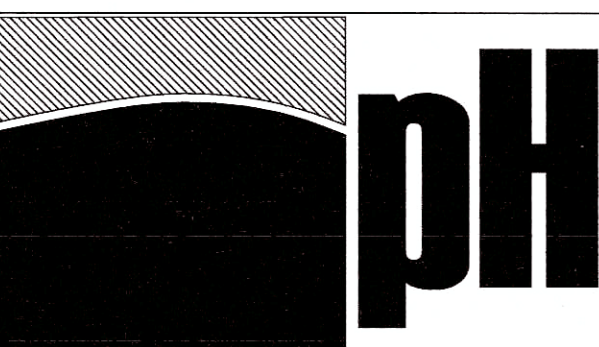


MATCH LINE - SEE SHEET 10

CALL BEFORE YOU DIG!
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6.2 MDE: TBD
6.3 PGSCD: TBD
 7. 100-YEAR FLOODPLAIN MAPPED BASED ON THE FEMA DFIRM MAP NO. 24033C0245E. DFRIM MAPPING WAS PREPARED UNDER THE PRINCE GEORGE'S COUNTY FLOOD INSURANCE STUDY (FIS) NUMBERED 24033C000, WITH AN EFFECTIVE DATE OF SEPTEMBER 16, 2016.

DATE	DESCRIPTION
	REVISIONS



SCIENTISTS AND ENGINEERS
2200 SOMERVILLE ROAD
SUITE 300
ANNAPOLIS, MD 21401
PHONE: 908.237.5660
FAX: 908.237.5666
WWW.PRINCETONHYDRO.COM



PROJECT NAME/LOCATION:
TINKERS CREEK
STREAM RESTORATION PROJECT
PRINCE GEORGE'S COUNTY
MS4 COMPLIANCE PROGRAM
CLINTON AND CAMP SPRINGS, MARYLAND

DRAWING NAME:
TREE CONSERVATION PLAN - TYPE 2

DATE: 6/13/2018
PROJECT NO.: 0995.048

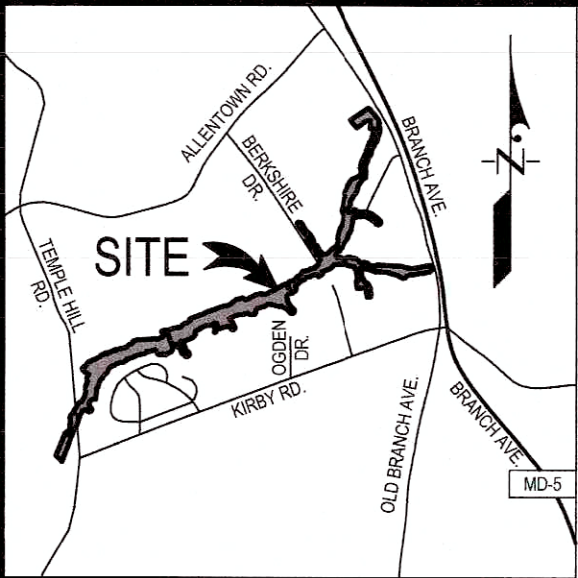
SCALE:
DRAWN BY:
CHECKED BY:

SHEET NO.
9 OF 24

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TREE CONSERVATION PLAN APPROVAL TCP 2 - 017 - 2019			
Approved by	Date	DRD #	Reason for Revision
00	Mike Patrovis	9/12/2019	
01			
02			
03			
04			
05			
06			

GRAPHIC SCALE
0 10 20 30 40 50 60 70 80 90 100 110 120 FEET
SCALE: 1" = 30'

11721 WOODMORE ROAD, SUITE 200
MITCHELLVILLE, MARYLAND 20712
BEN DYER ASSOCIATES, INC.
Engineers / Surveyors / Planners
TELEPHONE (301) 430-2000
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DESIGNED BY: PCN
CHECKED BY: HM
DATE: 1" = 30'
DATE: SEPTEMBER 2018
DRAWING NO.: J-B18014
SHEET NO.: 54.022-Z



VICINITY MAP

SCALE: 1" = 4000'



KEY MAP

SCALE: 1" = 2000'

LEGEND

- EX. CONTOUR (2')
- EX. CONTOUR (10')
- PROP. CONTOUR (2')
- PROP. CONTOUR (10')
- LIMIT OF DISTURBANCE
- EX. TREELINE
- PRIMARY MANAGEMENT AREA (PMA)
- REGULATED STREAM (CENTERLINE)
- REGULATED STREAM (TOP OF BANK)
- PROPOSED STREAM
- STREAM BUFFER (50')
- NONTIDAL WETLAND
- EX. WETLAND BUFFER (25')
- TREE PROTECTION FENCE (TEMPORARY)
- LIMIT OF GRADING
- WOODLAND REFORESTATION WETLAND AREA (WRA)
- WOODLAND REFORESTATION UPLAND AREA (WRA)
- WOODLAND REFORESTATION LIVE STAKES AREA
- PROPOSED CHANNEL FILL
- SPECIMEN, CHAMPION, HISTORIC TREE PROPOSED FOR REMOVAL
- SPECIMEN, CHAMPION, HISTORIC TREE TO BE SAVED
- REFORESTATION/AFFORESTATION SIGN
- SPECIMEN TREE SIGN



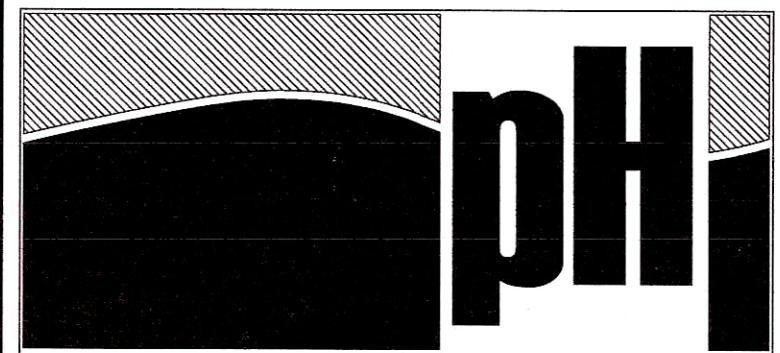
MATCH LINE - SEE SHEET 12

CALL BEFORE YOU DIG!
MARYLAND LAW REQUIRES
2 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE
- STOP CALL
REFERENCE MARYLAND STATE LAW ON
UNDERGROUND UTILITY DRAINAGE PREVENTION
LAW (MARYLAND STATE LAW TITLE 12)
800-257-7777

PROJECT NOTES

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6.3.PGSCD: TBD
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DATE	DESCRIPTION
	REVISIONS



SCIENTISTS AND ENGINEERS
2200 SOMERVILLE ROAD
SUITE 300
ANNAPOLIS, MD 21401
PHONE: 908.237.5660
FAX: 908.237.5666
WWW.PRINCETONHYDRO.COM



PROJECT NAME/LOCATION:
TINKERS CREEK
STREAM RESTORATION PROJECT
PRINCE GEORGE'S COUNTY
MS4 COMPLIANCE PROGRAM
CLINTON AND CAMP SPRINGS, MARYLAND

DRAWING NAME:

TREE CONSERVATION PLAN - TYPE 2

DATE:	6/13/2018
PROJECT NO.:	0995.048
SCALE:	
DRAWN BY:	
CHECKED BY:	

SHEET NO.

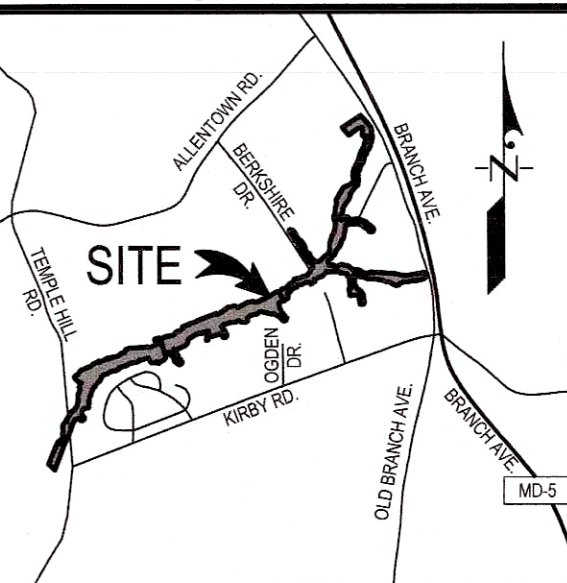
10 OF 24

Approved by	Date	DRD #	Reason for Revision
Mike Petroski	9/12/2019		
01			
02			
03			
04			
05			
06			

GRAPHIC SCALE
0 10 20 30 40 50 60 70 80 90 100 110 120 FEET
SCALE: 1" = 30'

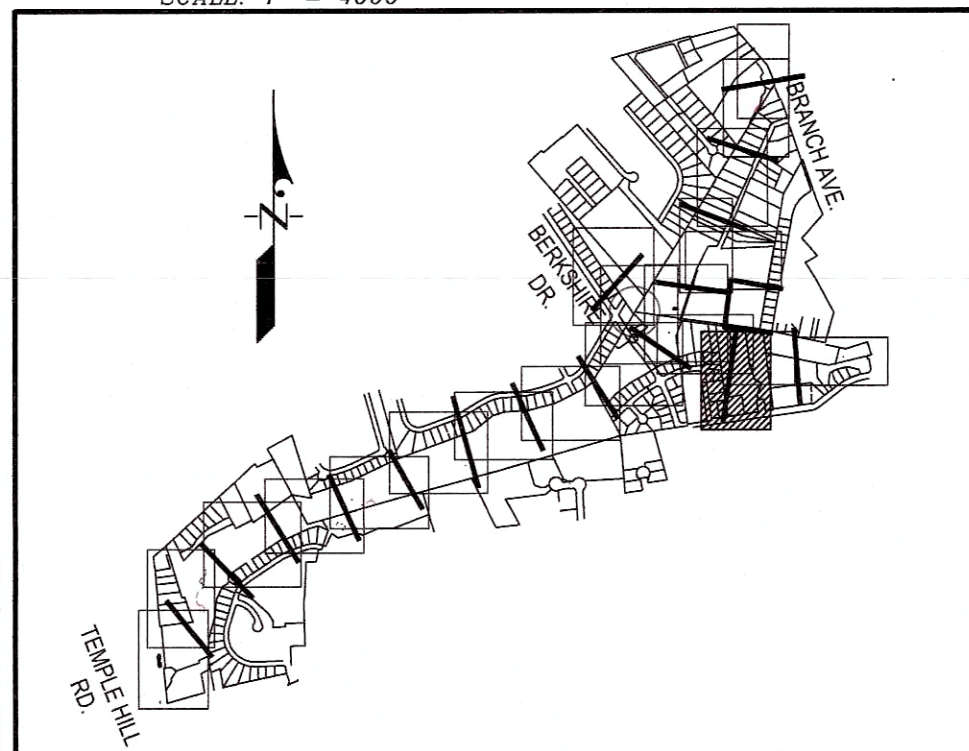
11721 WOODMORE ROAD, SUITE 200
MITCHELLVILLE, MARYLAND 20721
BEN DYER ASSOCIATES, INC.
Engineers / Surveyors / Planners
TELEPHONE (301) 430-2000
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DESIGNED BY: HM
CHECKED BY: MP
RECORDED BY: J-B18014
DATE: 1" = 30'
SEPTEMBER 2018
54.023-Z



VICINITY MAP

SCALE: 1" = 4000'



KEY MAP

SCALE: 1" = 2000'



LEGEND

EX. CONTOUR (2')	---
EX. CONTOUR (10')	---
PROP. CONTOUR (2')	---
PROP. CONTOUR (10')	---
LIMIT OF DISTURBANCE	---
EX. TREELINE	---
PRIMARY MANAGEMENT AREA (PMA)	---
REGULATED STREAM (CENTERLINE)	---
REGULATED STREAM (TOP OF BANK)	---
PROPOSED STREAM	---
STREAM BUFFER (50')	---
NONTIDAL WETLAND	---
EX. WETLAND BUFFER (25')	---
TREE PROTECTION FENCE (TEMPORARY)	---
LIMIT OF GRADING	---
WOODLAND REFORESTATION WETLAND AREA (WRA)	---
WOODLAND REFORESTATION UPLAND AREA (WRA)	---
WOODLAND REFORESTATION LIVE STAKES AREA	---
PROPOSED CHANNEL FILL	---
SPECIMEN, CHAMPION, HISTORIC TREE PROPOSED FOR REMOVAL	---
SPECIMEN, CHAMPION, HISTORIC TREE TO BE SAVED	---
REFORESTATION/AFFORESTATION SIGN	---
SPECIMEN TREE SIGN	---

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TREE CONSERVATION PLAN APPROVAL TCP 2 - 017 - 2019			
Approved by	Date	DRD #	Reason for Revision
Mike Petrakis	9/12/2019		
00			
01			
02			
03			
04			
05			
06			

GRAPHIC SCALE			
			
SCALE: 1" = 30'			
11721 WOODMORE ROAD, SUITE 200 MITCHELLVILLE, MARYLAND 20721			
 BEN DYER ASSOCIATES, INC. Engineers / Surveyors / Planners TELEPHONE (301) 430-2000 COPYRIGHT © 2018 BEN DYER ASSOCIATES, INC.			
DATE: <i>August 7, 2019</i>			
<i>MADE</i>			
Mike Petroski Qualified Professional COMAR 08.19.06.01			
REVIEWED BY PCN	DESIGNED BY HM	CHECKED BY MP	RECORDED
SCALE: 1" = 30'			DRAWING NO.
DATE: SEPTEMBER 2018			J-B18014 54.024-Z

CALL BEFORE YOU DIG!
MARYLAND LAW REQUIRES
2 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE
STOP CALL
REFERENCE MARYLAND STATE LAW ON
UNDERGROUND UTILITY DRAINAGE PREVENTION
LAW (MARYLAND STATE LAW TITLE 12)
800-257-7777

PROJECT NOTES

1. VERTICAL DATUM IS NORTH AMERICAN
VERTICAL DATUM 1988 (NAVD88) (GEOID
09), US FEET.
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DATUM 1983 (NAD83), MARYLAND STATE
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WEBSITE: IMAP.MARYLAND.GOV/
5. THE WETLAND AND WATERS OF THE
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6.1.USACE: TBD
6.2.MDE: TBD
6.3.PGSCD: TBD
7. 100-YEAR FLOODPLAIN MAPPED BASED ON
THE FEMA DFIRM MAP NO. 24033C0245E.
DFIRM MAPPING WAS PREPARED UNDER
THE PRINCE GEORGE'S COUNTY FLOOD
INSURANCE STUDY (FIS) NUMBERED
24033C000, WITH AN EFFECTIVE DATE OF
SEPTEMBER 16, 2016.

DATE	DESCRIPTION
REVISIONS	



SCIENTISTS AND ENGINEERS
2200 SOMERVILLE ROAD
SUITE 300
ANNAPOLIS, MD 21401
PHONE: 908.237.5660
FAX: 908.237.5666
WWW.PRINCETONHYDRO.COM



PROJECT NAME/LOCATION:
TINKERS CREEK
STREAM RESTORATION PROJECT
PRINCE GEORGE'S COUNTY
MS4 COMPLIANCE PROGRAM
CLINTON AND CAMP SPRINGS, MARYLAND

DRAWING NAME:

TREE CONSERVATION PLAN - TYPE 2

DATE: 6/13/2018

PROJECT NO.: 0995.048

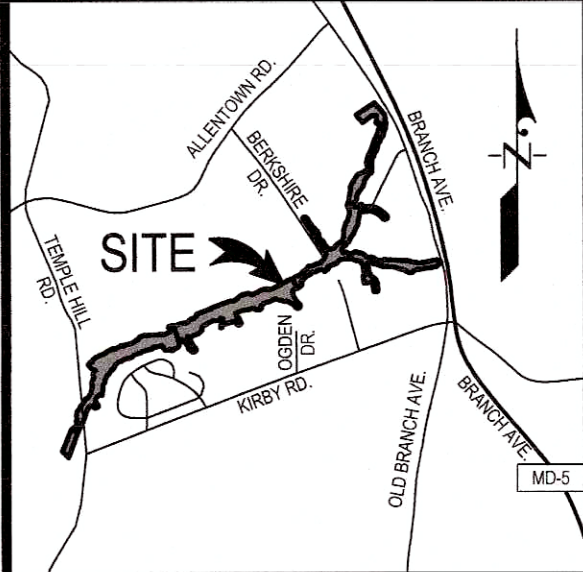
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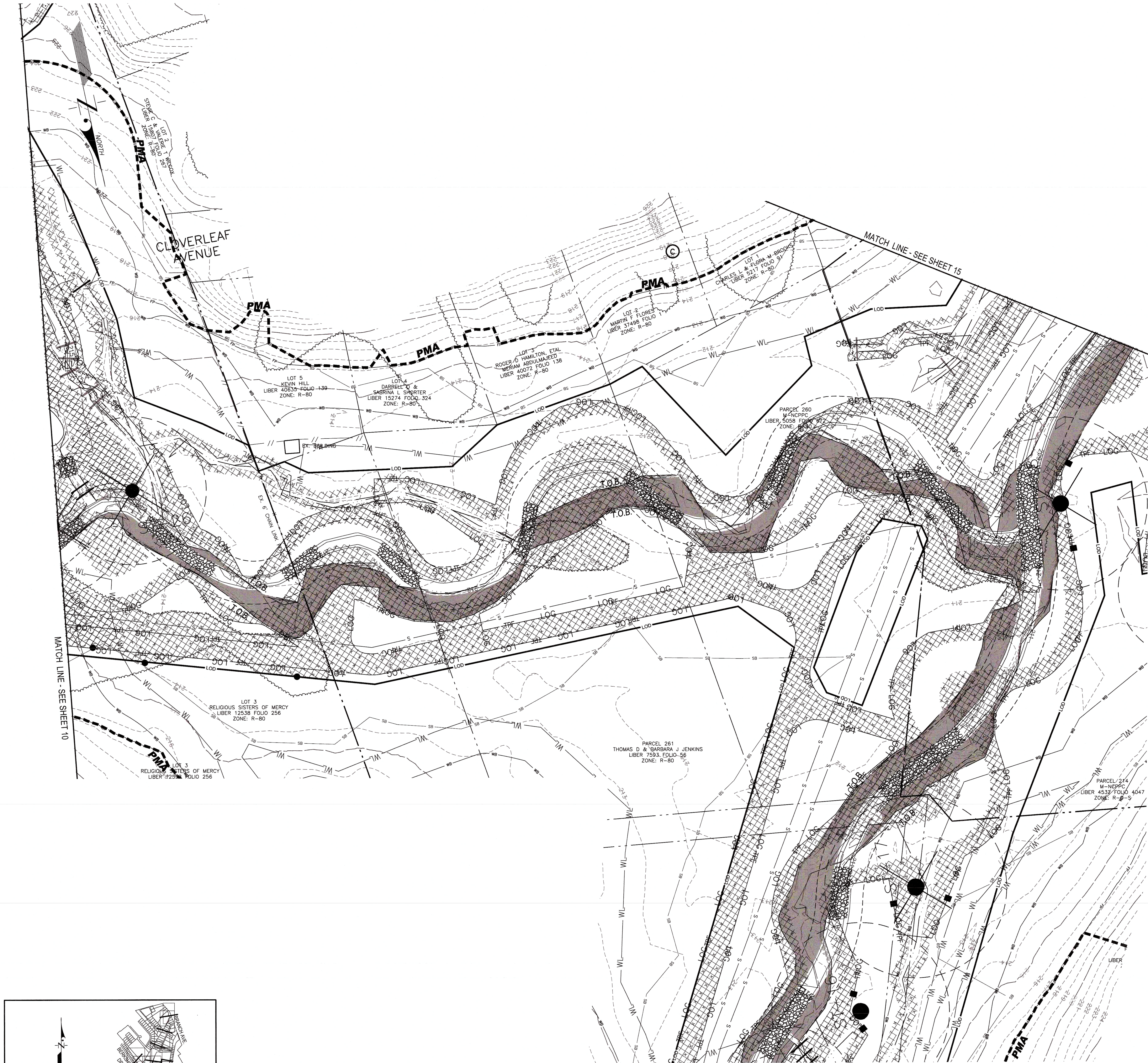
CHECKED BY:

SHEET NO.

11 OF 24



VICINITY MAP
SCALE: 1" = 4000'



- LEGEND**
- EX. CONTOUR (2)
 - EX. CONTOUR (10)
 - PROP. CONTOUR (2)
 - PROP. CONTOUR (10)
 - LIMIT OF DISTURBANCE
 - EX. TREELINE
 - PRIMARY MANAGEMENT AREA (PMA)
 - REGULATED STREAM (CENTERLINE)
 - REGULATED STREAM (TOP OF BANK)
 - PROPOSED STREAM
 - STREAM BUFFER (50')
 - NONTIDAL WETLAND
 - EX. WETLAND BUFFER (25')
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 - LIMIT OF GRADING
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 - WOODLAND REFORESTATION LIVE STAKES AREA
 - PROPOSED CHANNEL FILL
 - SPECIMEN, CHAMPION, HISTORIC TREE PROPOSED FOR REMOVAL
 - SPECIMEN, CHAMPION, HISTORIC TREE TO BE SAVED
 - REFORESTATION/AFFORESTATION SIGN
 - SPECIMEN TREE SIGN



KEY MAP
SCALE: 1"=2000'

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TREE CONSERVATION PLAN APPROVAL TCP 2 - 017 - 2019		
Approved by	Date	DRD #
01 <i>[Signature]</i>	8/12/2019	
02		
03		
04		
05		
06		

GRAPHIC SCALE
SCALE: 1" = 30'

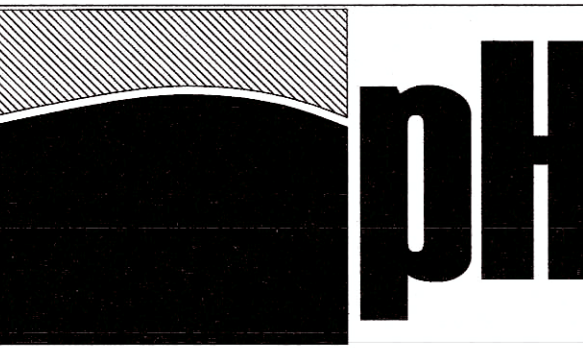
11721 WOODMERE ROAD, SUITE 200
MITCHELLVILLE, MARYLAND 20712
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Engineers / Surveyors / Planners
TELEPHONE (301) 430-2000
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PROJECT: M-NCPPC
PCN: HM
SCALE: 1" = 30'
DATE: SEPTEMBER 2018
SHEET NO. 54-024-Z

CALL BEFORE YOU DIG!
MARYLAND LAW REQUIRES
2 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE
STOP CALL
REFERENCE MARYLAND STATE LAW ON
UNDERGROUND UTILITY DRAINAGE PREVENTION
LAW (MARYLAND STATE LAW TITLE 12)
800-257-7777

- PROJECT NOTES**
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6.2. MDE: TBD
6.3. PGSCD: TBD
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DFIRM MAPPING WAS PREPARED UNDER
THE PRINCE GEORGE'S COUNTY FLOOD
INSURANCE STUDY (FIS) NUMBERED
24033CV00, WITH AN EFFECTIVE DATE OF
SEPTEMBER 16, 2016.

DATE	DESCRIPTION
REVISIONS	



SCIENTISTS AND ENGINEERS
2200 SOMERVILLE ROAD
SUITE 300
ANNAPOLIS, MD 21401
PHONE: 908.237.5660
FAX: 908.237.5666
WWW.PRINCETONHYDRO.COM

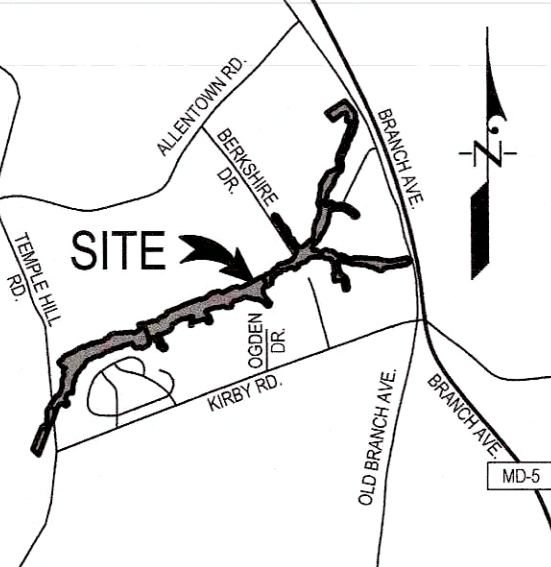


PROJECT NAME/LOCATION:
TINKERS CREEK
STREAM RESTORATION PROJECT
PRINCE GEORGE'S COUNTY
MS4 COMPLIANCE PROGRAM
CLINTON AND CAMP SPRINGS, MARYLAND

DRAWING NAME:
TREE CONSERVATION PLAN - TYPE 2

DATE:	6/13/2018
PROJECT NO.:	0995.048
SCALE:	
DRAWN BY:	
CHECKED BY:	

SHEET NO.
12 OF 24



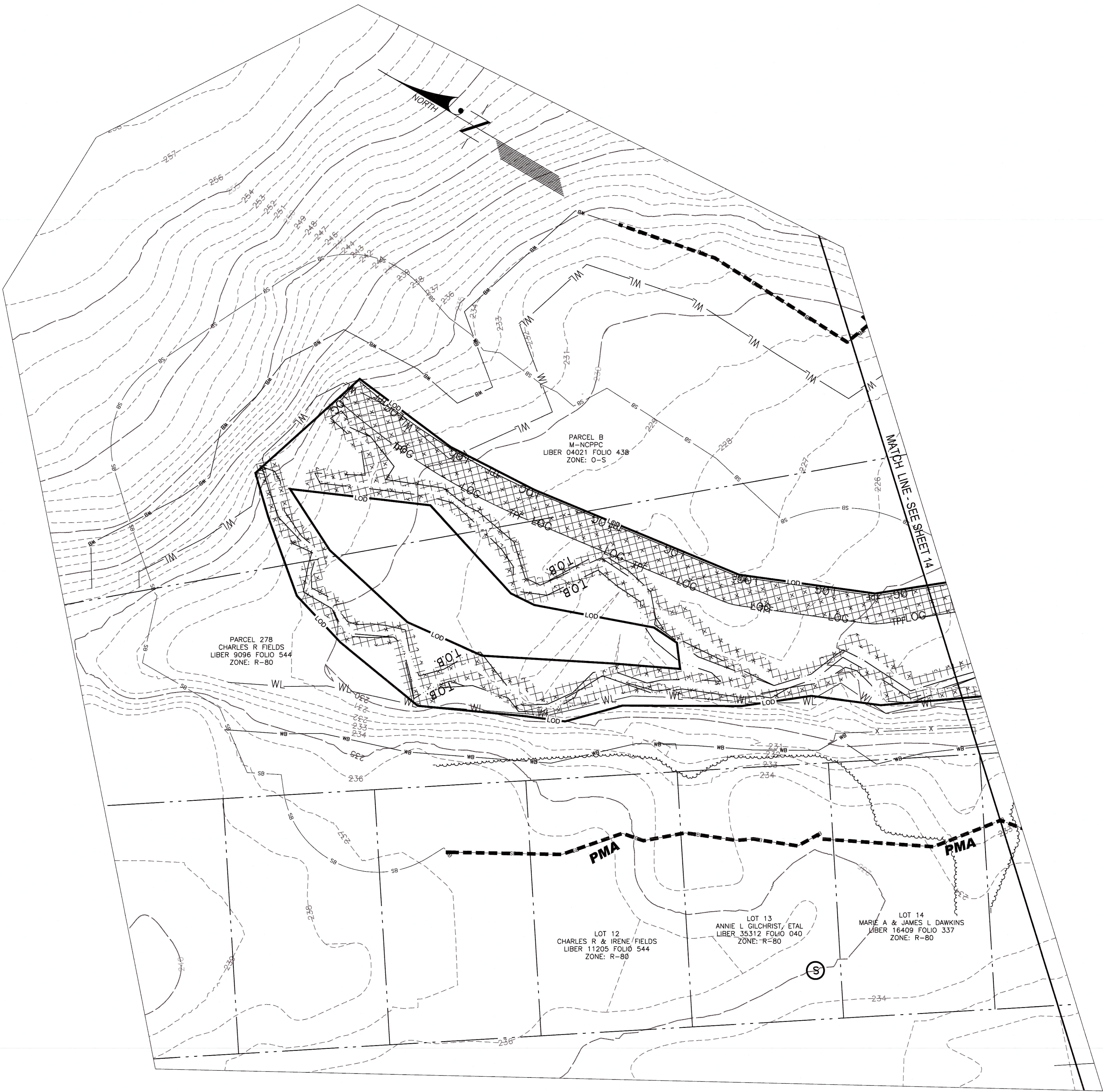
VICINITY MAP
SCALE: 1" = 4000'



KEY MAP
SCALE: 1" = 2000'

LEGEND

EX. CONTOUR (2')	---
EX. CONTOUR (10')	---
PROP. CONTOUR (2')	---
PROP. CONTOUR (10')	---
LIMIT OF DISTURBANCE	---
EX. TREELINE	---
PRIMARY MANAGEMENT AREA (PMA)	---
REGULATED STREAM (CENTERLINE)	---
REGULATED STREAM (TOP OF BANK)	---
PROPOSED STREAM	---
STREAM BUFFER (50')	---
NONTIDAL WETLAND	---
EX. WETLAND BUFFER (25')	---
TREE PROTECTION FENCE (TEMPORARY)	---
LIMIT OF GRADING	---
WOODLAND REFORESTATION WETLAND AREA (WRA)	---
WOODLAND REFORESTATION UPLAND AREA (WRA)	---
WOODLAND REFORESTATION LIVE STAKES AREA	---
PROPOSED CHANNEL FILL	---
SPECIMEN, CHAMPION, HISTORIC TREE PROPOSED FOR REMOVAL	---
SPECIMEN, CHAMPION, HISTORIC TREE TO BE SAVED	---
REFORESTATION/ AFFORESTATION SIGN	---
SPECIMEN TREE SIGN	---

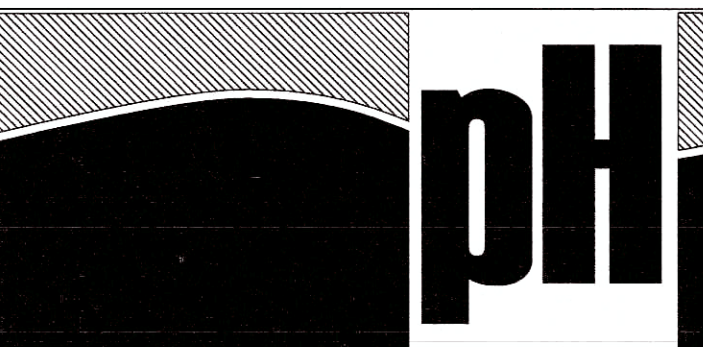


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	REVISIONS



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2200 SOMERVILLE ROAD
SUITE 300
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PHONE: 908.237.5660
FAX: 908.237.5666
WWW.PRINCE TONHYDRO.COM



PROJECT NAME/LOCATION:
TINKERS CREEK
STREAM RESTORATION PROJECT
PRINCE GEORGE'S COUNTY
MS4 COMPLIANCE PROGRAM
CLINTON AND CAMP SPRINGS, MARYLAND

DRAWING NAME:

TREE CONSERVATION PLAN - TYPE 2

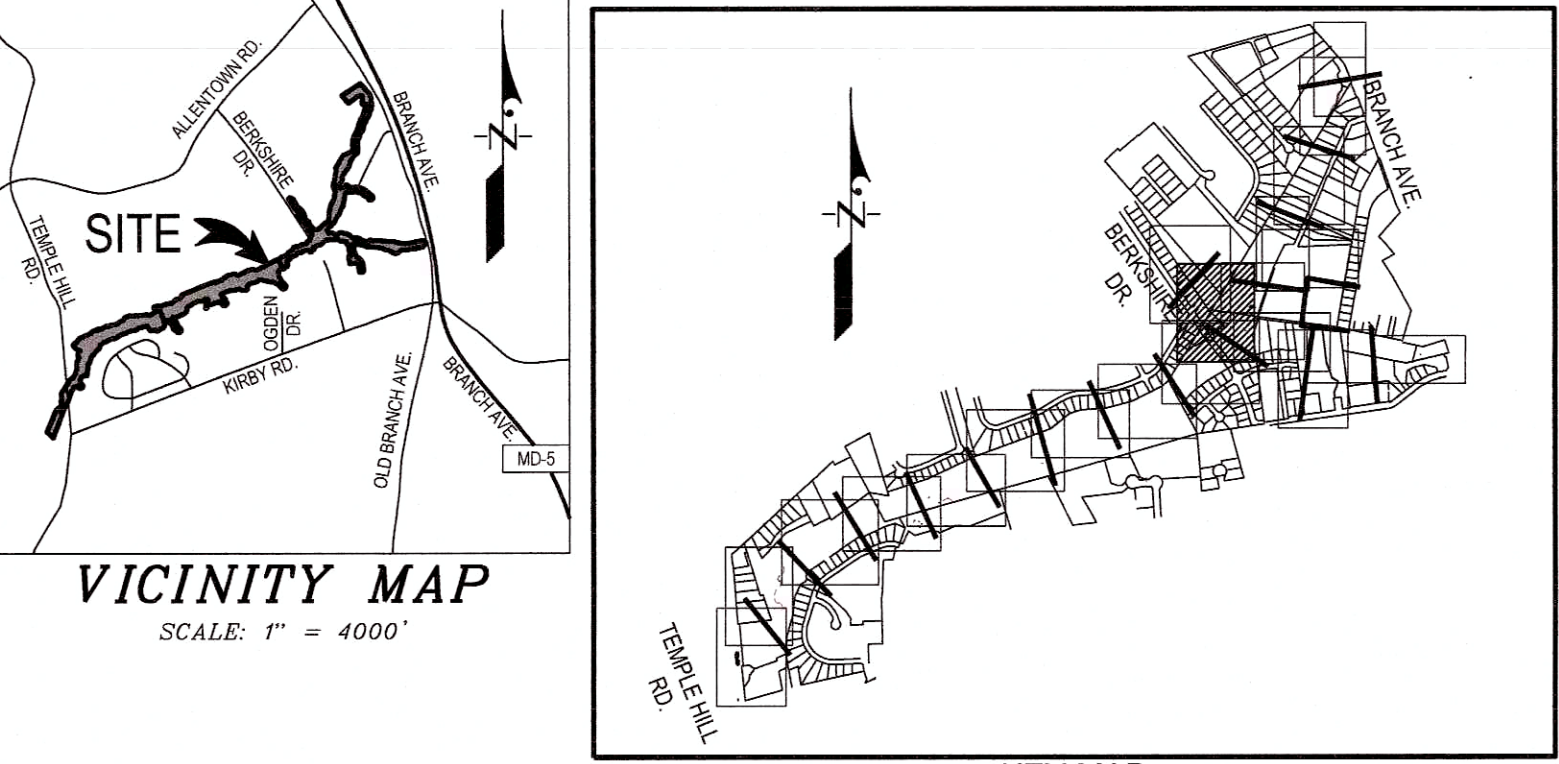
DATE:	6/13/2018
PROJECT NO.:	0995.048
SCALE:	
DRAWN BY:	
CHECKED BY:	

SHEET NO.

13 OF 24

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TREE CONSERVATION PLAN APPROVAL TCP 2 - 017 - 2019			
Approved by	Date	DRD #	Reason for Revision
00	9/12/2019		
01			
02			
03			
04			
05			
06			

GRAPHIC SCALE 0 10 20 30 40 50 60 70 80 90 100 110 120 SCALE: 1" = 30'			
17721 WOODBONE ROAD, SUITE 200 MITCHELLVILLE, MARYLAND 20721 BEN DYER ASSOCIATES, INC. Engineers / Surveyors / Planners TELEPHONE (301) 430-2000 COPYRIGHT © 2016 BEN DYER ASSOCIATES, INC.	DATE August 7, 2019 Mike Petroski Qualified Professional COMAR 08.19.06.01	DESIGNED BY PCN CHECKED BY HM IN CHARGE MP SCALE 1" = 30'	DRAWING NO. J-B18014 DATE SEPTEMBER 2018 54.026-Z



VICINITY MAP
SCALE: 1" = 4000'

KEY MAP
SCALE: 1" = 2000'



- LEGEND**
- EX. CONTOUR (2')
 - EX. CONTOUR (10')
 - PROP. CONTOUR (2')
 - PROP. CONTOUR (10')
 - LIMIT OF DISTURBANCE
 - EX. TREELINE
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DATE	DESCRIPTION
	REVISIONS

pH

SCIENTISTS AND ENGINEERS
2200 SOMERVILLE ROAD
SUITE 300
ANNAPOLIS, MD 21401
PHONE: 908.237.5660
FAX: 908.237.5666
WWW.PRINCEGEORGES-PA.COM

GV-Petro Joint Venture LLC
Environmental Services • Engineering Services • Planning Services

PROJECT NAME/LOCATION:
TINKERS CREEK
STREAM RESTORATION PROJECT
PRINCE GEORGE'S COUNTY
MS4 COMPLIANCE PROGRAM
CLINTON AND CAMP SPRINGS, MARYLAND

DRAWING NAME:
TREE CONSERVATION PLAN - TYPE 2

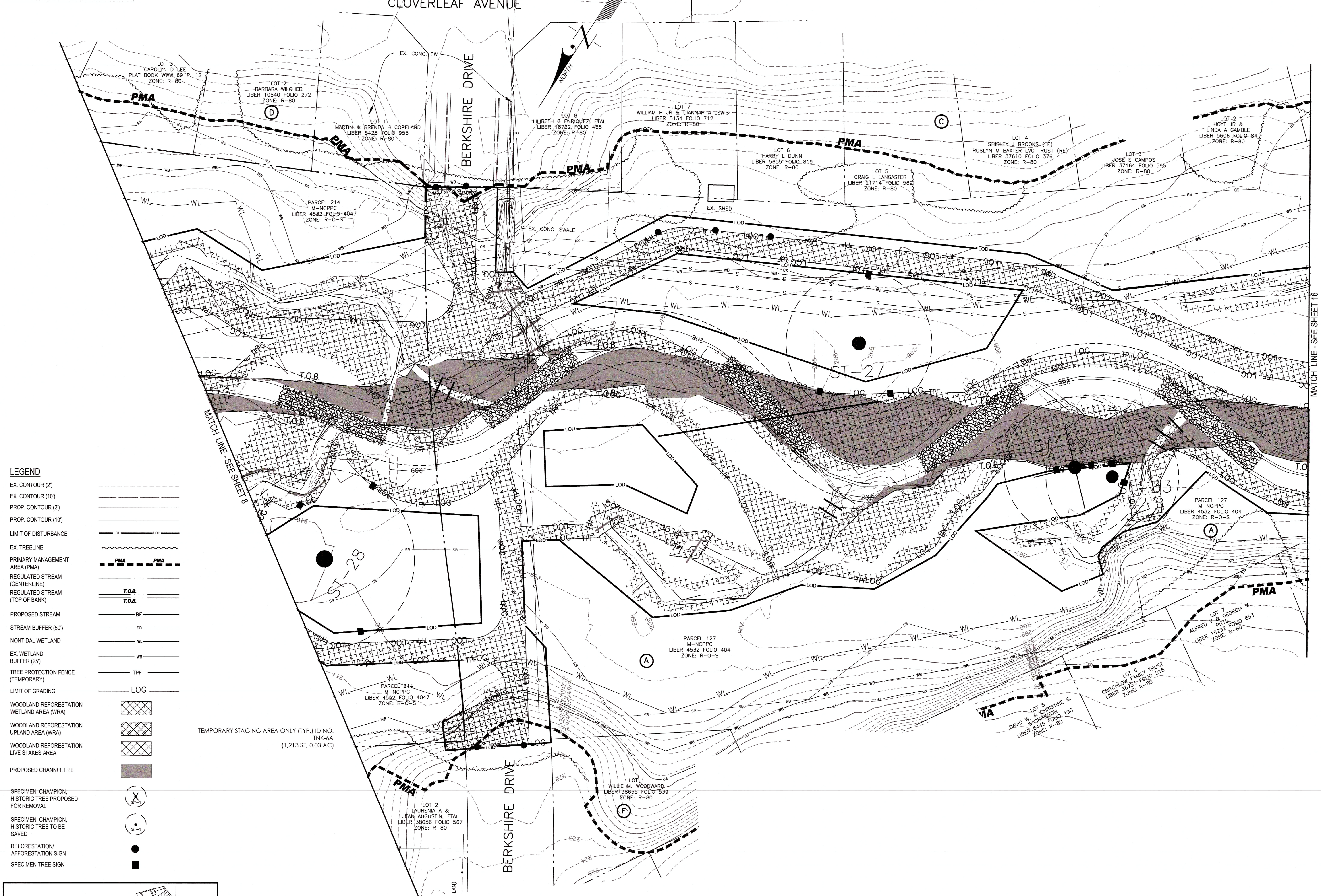
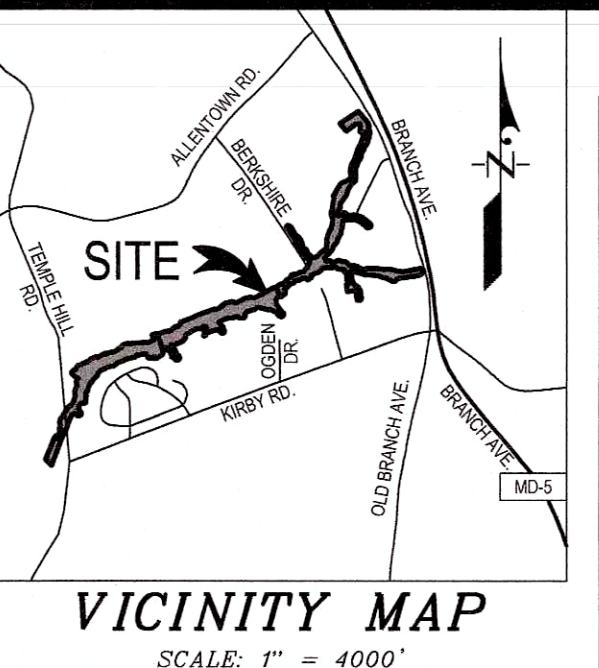
DATE: 6/13/2018
PROJECT NO.: 0995.048
SCALE:
DRAWN BY:
CHECKED BY:
SHEET NO.
14 OF 24

Prince George's County Planning Department, M-NCPPC
Environmental Planning Section
TREE CONSERVATION PLAN APPROVAL
TCP 2 - 017 - 2019

Approved by:	Date:	DRD #	Reason for Revision
Mike Petroski	8/12/2019		
00			
01			
02			
03			
04			
05			
06			

GRAPHIC SCALE
0 10 20 30 40 50 60 70 80 90 100 110 120
SCALE: 1" = 30'

1721 WOODBONE ROAD, SUITE 200
MITCHELLVILLE, MARYLAND 20721
BEN DYER ASSOCIATES, INC.
Engineers / Surveyors / Planners
TELEPHONE (301) 430-2000
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PCN: HM: MP: RECORDED: J-B18014
DATE: 1" = 30'
SEPTEMBER 2018 54.027-Z



LEGEND

- EX. CONTOUR (2')
- EX. CONTOUR (10')
- PROP. CONTOUR (2')
- PROP. CONTOUR (10')
- LIMIT OF DISTURBANCE
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- WOODLAND REFORESTATION LIVE STAKES AREA
- PROPOSED CHANNEL FILL
- SPECIMEN, CHAMPION, HISTORIC TREE PROPOSED FOR REMOVAL
- SPECIMEN, CHAMPION, HISTORIC TREE TO BE SAVED
- REFORESTATION/AFFORESTATION SIGN
- SPECIMEN TREE SIGN

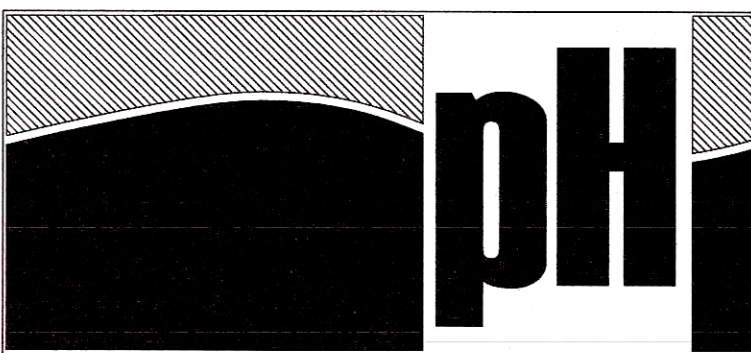


CALL BEFORE YOU DIG!
MARYLAND LAW REQUIRES
2 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE
STOP CALL
REFERENCE MARYLAND STATE LAW ON
UNDERGROUND UTILITY DRAINAGE PREVENTION
LAW (MARYLAND STATE LAW TITLE 12)
800-257-7777

PROJECT NOTES

- VERTICAL DATUM IS NORTH AMERICAN
VERTICAL DATUM 1988 (NAVD88) (GEOD
09), US FEET.
- HORIZONTAL DATUM IS NORTH AMERICAN
DATUM 1983 (NAD83), MARYLAND STATE
PLANE COORDINATES (SPC 1900), US
FEET.
- DETAILED TOPOGRAPHIC DATA COLLECTION
IS CURRENTLY IN PROGRESS.
- TOPOGRAPHIC INFORMATION ILLUSTRATED
ON THIS PLAN WAS OBTAINED FROM 2014
LIDAR DATA OBTAINED FROM MD IMAP
WEBSITE: IMAP.MARYLAND.GOV/
- THE WETLAND AND WATERS OF THE
UNITED STATES DELINEATION FOR THIS
PROJECT IS CURRENT IN PROGRESS.
- PROPOSED WORK TO BE COMPLETED
PURSUANT TO THE FOLLOWING PERMITS:
6.1 USACE: TBD
6.2 MDE: TBD
6.3 PGSCD: TBD
- 100-YEAR FLOODPLAIN MAPPED BASED ON
THE FEMA DFRM MAP NO. 2403C0245E.
DFRM MAPPING WAS PREPARED UNDER
THE PRINCE GEORGE'S COUNTY FLOOD
INSURANCE STUDY (FIS) NUMBERED
2403C000, WITH AN EFFECTIVE DATE OF
SEPTEMBER 16, 2016.

DATE	DESCRIPTION
	REVISIONS



SCIENTISTS AND ENGINEERS
2200 SOMERVILLE ROAD
SUITE 300
ANNAPOLIS, MD 21401
PHONE: 908.237.5660
FAX: 908.237.5666
WWW.PRINCETONHYDRO.COM



PROJECT NAME/LOCATION:
TINKERS CREEK
STREAM RESTORATION PROJECT
PRINCE GEORGE'S COUNTY
MS4 COMPLIANCE PROGRAM
CLINTON AND CAMP SPRINGS, MARYLAND

DRAWING NAME:

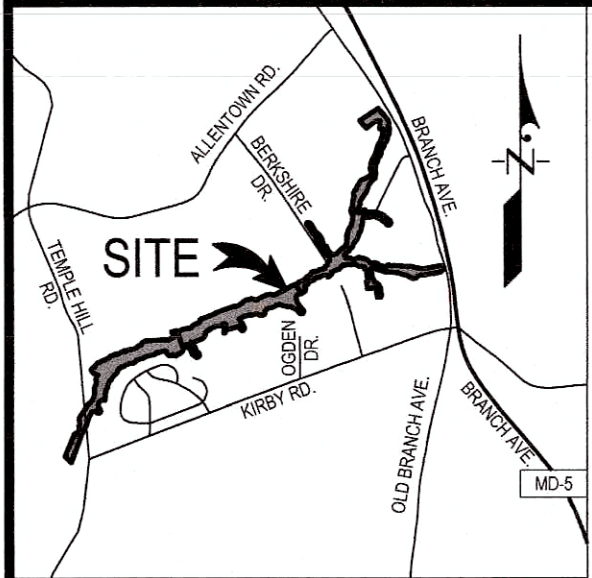
TREE CONSERVATION PLAN - TYPE 2

DATE:	6/13/2018
PROJECT NO.:	0995.048
SCALE:	
DRAWN BY:	
CHECKED BY:	
SHEET NO.	

15 OF 24

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TREE CONSERVATION PLAN APPROVAL TCP 2 - 017 - 2019			
Approved by:	Date	DRD #	Reason for Revision
01 Mike Petrakis	9/12/2019		
02			
03			
04			
05			
06			

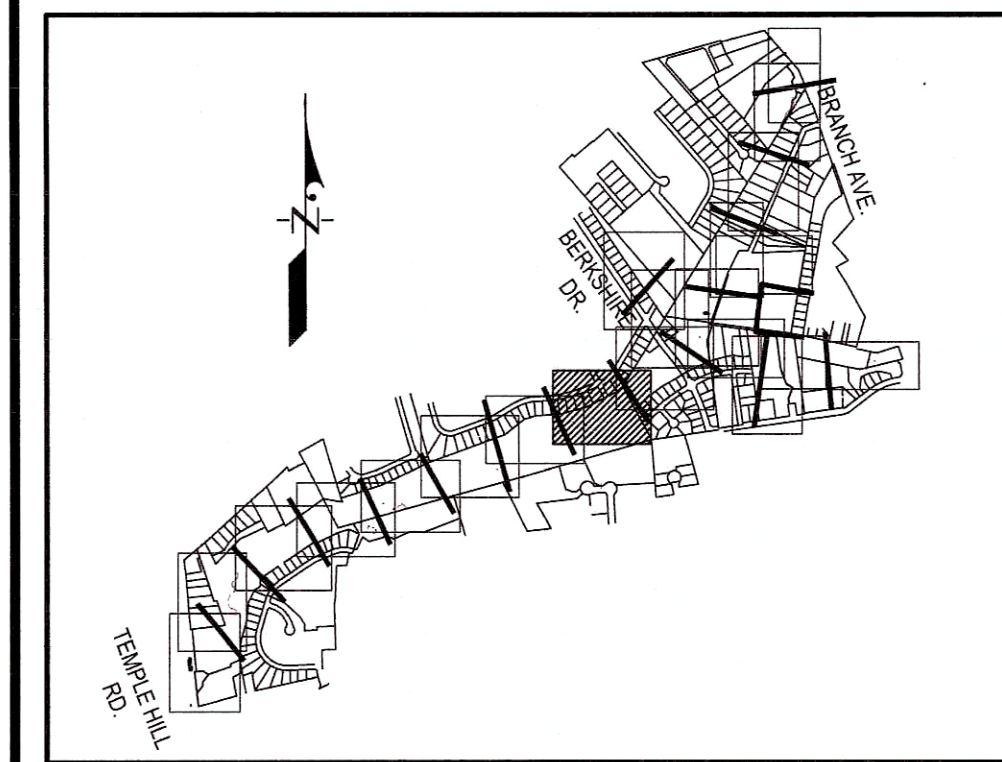
GRAPHIC SCALE 0 10 20 30 40 50 60 70 80 90 100 110 120 FEET SCALE: 1" = 30'			
11721 WOODMORE ROAD, SUITE 200 MITCHELLVILLE, MARYLAND 20721 BEN DYER ASSOCIATES, INC. Engineers / Surveyors / Planners TELEPHONE (301) 430-2000 COPYRIGHT © 2018 BEN DYER ASSOCIATES, INC. DESIGNED BY: PCN CHECKED BY: HM REVIEWED BY: MP DATE: 11/1/2018 SCALE: 1" = 30' SHEET NO.: 54.028-Z			



VICINITY MAP
SCALE: 1" = 4000'



- LEGEND**
- EX. CONTOUR (2)
 - EX. CONTOUR (10)
 - PROP. CONTOUR (2)
 - PROP. CONTOUR (10)
 - LIMIT OF DISTURBANCE
 - EX. TREELINE
 - PRIMARY MANAGEMENT AREA (PMA)
 - REGULATED STREAM (CENTERLINE)
 - REGULATED STREAM (TOP OF BANK)
 - PROPOSED STREAM
 - STREAM BUFFER (50')
 - NONTIDAL WETLAND
 - EX. WETLAND BUFFER (25')
 - TREE PROTECTION FENCE (TEMPORARY)
 - LIMIT OF GRADING
 - WOODLAND REFORESTATION WETLAND AREA (WRA)
 - WOODLAND REFORESTATION UPLAND AREA (WRA)
 - WOODLAND REFORESTATION LIVE STAKES AREA
 - PROPOSED CHANNEL FILL
 - SPECIMEN, CHAMPION, HISTORIC TREE PROPOSED FOR REMOVAL
 - SPECIMEN, CHAMPION, HISTORIC TREE TO BE SAVED
 - REFORESTATION/AFFORESTATION SIGN
 - SPECIMEN TREE SIGN



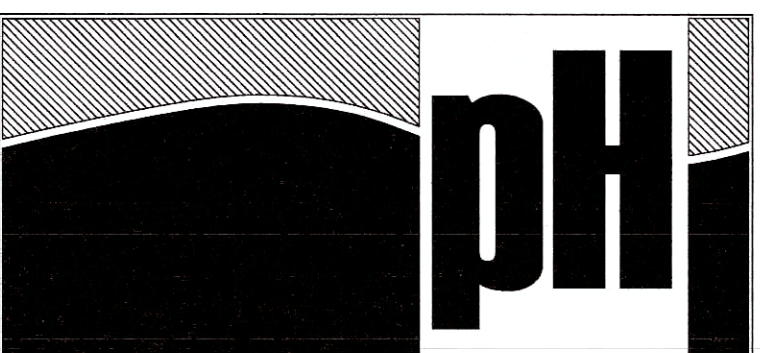
KEY MAP
SCALE: 1" = 2000'

CALL BEFORE YOU DIG!
MARYLAND LAW REQUIRES
2 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE
STOP CALL
REFERENCE MARYLAND STATE LAW ON
UNDERGROUND UTILITY DRAINAGE PREVENTION
LAW (MARYLAND STATE LAW TITLE 12)
800-257-7777

PROJECT NOTES

- VERTICAL DATUM IS NORTH AMERICAN
VERTICAL DATUM 1988 (NAVD88) (GEIOD
09), US FEET.
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WEBSITE: IMAP.MARYLAND.GOV/
- THE WETLAND AND WATERS OF THE
UNITED STATES DELINEATION FOR THIS
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- PROPOSED WORK TO BE COMPLETED
PURSUANT TO THE FOLLOWING PERMITS:
6.1.USACE: TBD
6.2.MDE: TBD
6.3.PGSCD: TBD
- 100-YEAR FLOODPLAIN MAPPED BASED ON
THE FEMA DFIRM MAP NO. 24033C0245E.
DFIRM MAPPING WAS PREPARED UNDER
THE PRINCE GEORGE'S COUNTY FLOOD
INSURANCE STUDY (FIS) NUMBERED
24033C000, WITH AN EFFECTIVE DATE OF
SEPTEMBER 16, 2016.

DATE	DESCRIPTION
	REVISIONS



SCIENTISTS AND ENGINEERS
2200 SOMERVILLE ROAD
SUITE 300
ANNAPOLIS, MD 21401
PHONE: 908.237.5660
FAX: 908.237.5666
WWW.PRINCE-GEORGE-HYDRO.COM



PROJECT NAME/LOCATION:
TINKERS CREEK
STREAM RESTORATION PROJECT
PRINCE GEORGE'S COUNTY
MS4 COMPLIANCE PROGRAM
CLINTON AND CAMP SPRINGS, MARYLAND

DRAWING NAME:

TREE CONSERVATION PLAN - TYPE 2

DATE: 6/13/2018

PROJECT NO.: 0995.048

SCALE:

DRAWN BY:

CHECKED BY:

SHEET NO.

16 OF 24

GRAPHIC SCALE

SCALE: 1" = 30'

0 10 20 30 40 50 60 70 80 90 100 110 120

DATE: August 7, 2019

17721 WOODBONE ROAD, SUITE 200
MITCHELLVILLE, MARYLAND 20721
BEN DYER ASSOCIATES, INC.
Engineers / Surveyors / Planners
TELEPHONE (301) 430-2000
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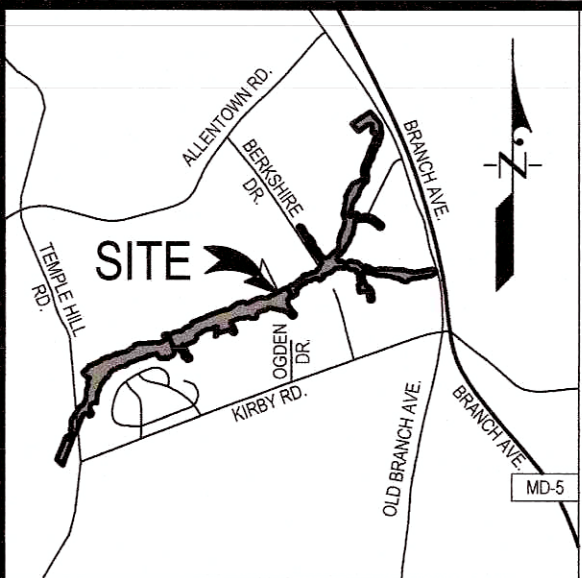
PCN: HM MP
SCALE: 1" = 30'

DATE: SEPTEMBER 2018

54.029-Z

Prince George's County Planning Department, M-NCPPC
Environmental Planning Section
TREE CONSERVATION PLAN APPROVAL
TCP 2 - 017 - 2019

Approved by	Date	DRD #	Reason for Revision
Mike Petroski	8/12/2019		
01			
02			
03			
04			
05			
06			



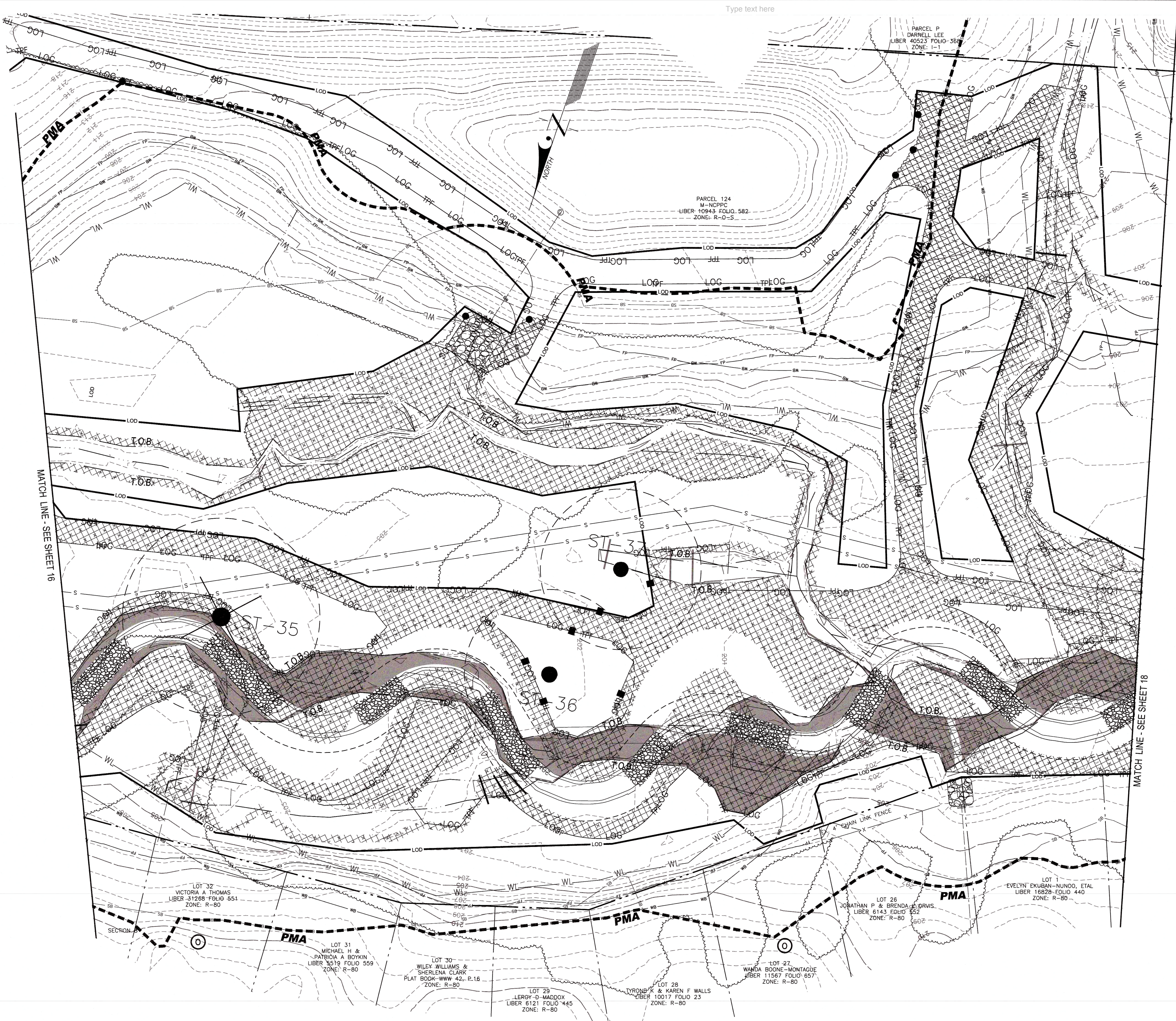
VICINITY MAP
SCALE: 1" = 4000'

LEGEND

EX. CONTOUR (2')	---
EX. CONTOUR (10')	---
PROP. CONTOUR (2')	---
PROP. CONTOUR (10')	---
LIMIT OF DISTURBANCE	---
EX. TREELINE	---
PRIMARY MANAGEMENT AREA (PMA)	---
REGULATED STREAM (CENTERLINE)	---
REGULATED STREAM (TOP OF BANK)	---
PROPOSED STREAM	---
STREAM BUFFER (50')	---
NONTIDAL WETLAND	---
EX. WETLAND BUFFER (25')	---
TREE PROTECTION FENCE (TEMPORARY)	---
LIMIT OF GRADING	---
WOOLAND REFORESTATION WETLAND AREA (WRA)	---
WOOLAND REFORESTATION UPLAND AREA (WRA)	---
WOOLAND REFORESTATION LIVE STAKES AREA	---
PROPOSED CHANNEL FILL	---
SPECIMEN, CHAMPION, HISTORIC TREE PROPOSED FOR REMOVAL	---
SPECIMEN, CHAMPION, HISTORIC TREE TO BE SAVED	---
REFORESTATION/AFFORESTATION SIGN	---
SPECIMEN TREE SIGN	---



KEY MAP
SCALE: 1"=2000'

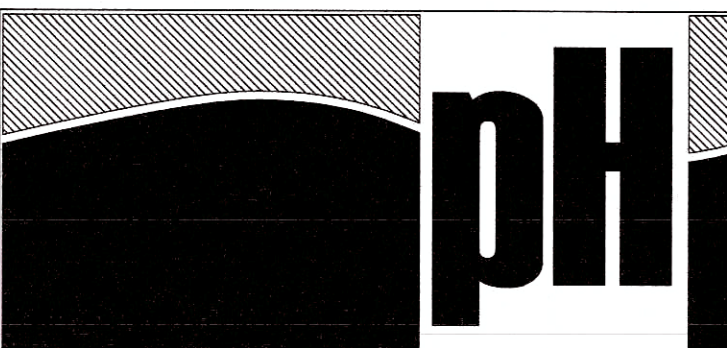


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REFERENCE MARYLAND STATE LAW ON
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LAW (MARYLAND STATE LAW TITLE 12)
800-257-7777

PROJECT NOTES

1. VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88) (GEOD 09), US FEET.
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3. DETAILED TOPOGRAPHIC DATA COLLECTION IS CURRENTLY IN PROGRESS.
4. TOPOGRAPHIC INFORMATION ILLUSTRATED ON THIS PLAN WAS OBTAINED FROM 2014 LIDAR DATA OBTAINED FROM MD IMAP WEBSITE: IMAP.MARYLAND.GOV/
5. THE WETLAND AND WATERS OF THE UNITED STATES DELINEATION FOR THIS PROJECT IS CURRENT IN PROGRESS.
6. PROPOSED WORK TO BE COMPLETED PURSUANT TO THE FOLLOWING PERMITS:
6.1.USACE: TBD
6.2.MDE: TBD
6.3.PGSCD: TBD
7. 100-YEAR FLOODPLAIN MAPPED BASED ON THE FEMA DFIRM MAP NO. 24033C0245E. DFIRM MAPPING WAS PREPARED UNDER THE PRINCE GEORGE'S COUNTY FLOOD INSURANCE STUDY (FIS) NUMBERED 24033C000, WITH AN EFFECTIVE DATE OF SEPTEMBER 16, 2016.

DATE	DESCRIPTION
	REVISIONS



SCIENTISTS AND ENGINEERS
2200 SOMERVILLE ROAD
SUITE 300
ANNAPOLIS, MD 21401
PHONE: 908.237.5660
FAX: 908.237.5666
WWW.PRINCEGEORGESMD.COM



PROJECT NAME/LOCATION:
TINKERS CREEK
STREAM RESTORATION PROJECT
PRINCE GEORGE'S COUNTY
MS4 COMPLIANCE PROGRAM
CLINTON AND CAMP SPRINGS, MARYLAND

DRAWING NAME:

TREE CONSERVATION PLAN - TYPE 2

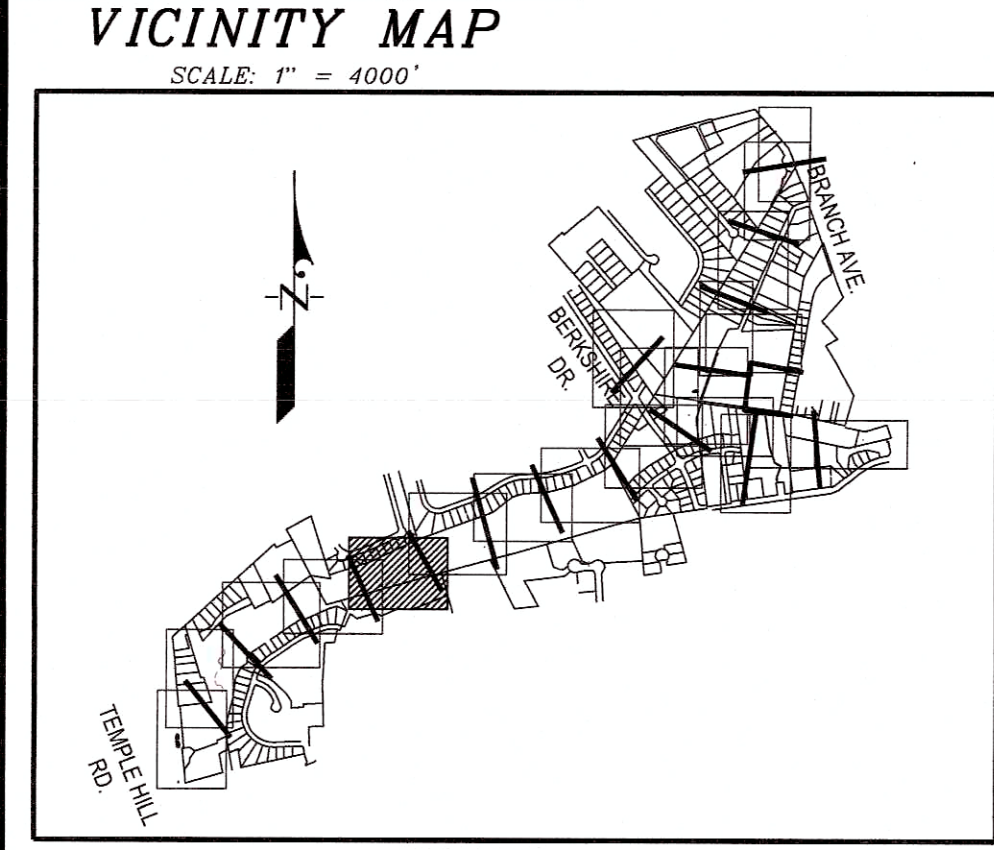
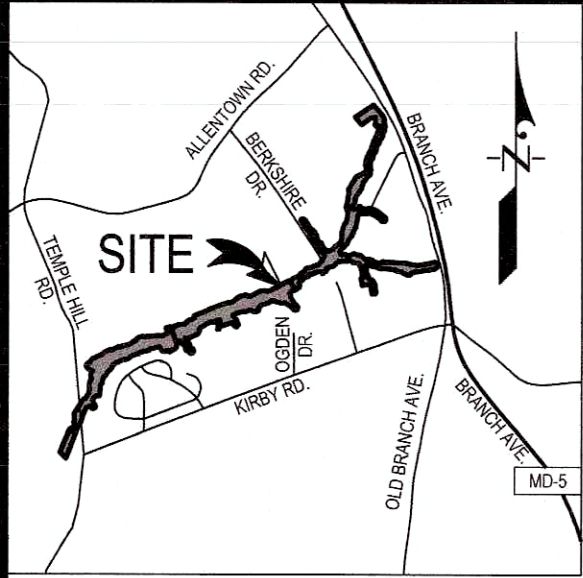
DATE:	6/13/2018
PROJECT NO.:	0995.048
SCALE:	
DRAWN BY:	
CHECKED BY:	

SHEET NO.

17 OF 24

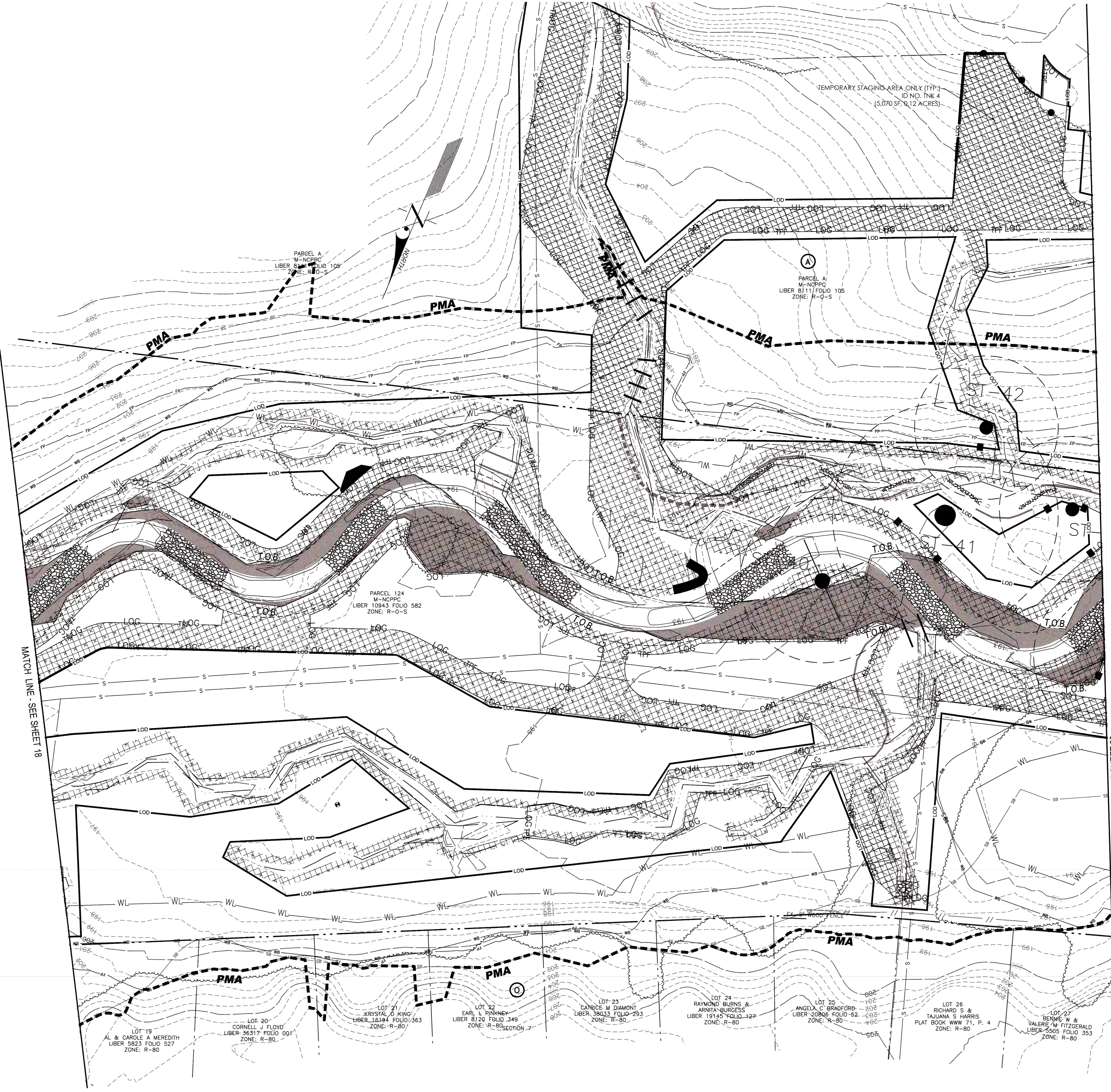
Prince George's County Planning Department, M-NCPPC Environmental Planning Section TREE CONSERVATION PLAN APPROVAL TCP 2 - 017 - 2019			
Approved by	Date	DRD #	Reason for Revision
01. [Signature]	8/12/2019		
02.			
03.			
04.			
05.			
06.			

GRAPHIC SCALE			
SCALE: 1" = 30'			
11721 WOODMORE ROAD, SUITE 200 MITCHELLVILLE, MARYLAND 20725 BEN DYER ASSOCIATES, INC. Engineers / Surveyors / Planners TELEPHONE (301) 430-2000 COPYRIGHT © 2018 BEN DYER ASSOCIATES, INC. DESIGNED BY: PCN CHECKED BY: HM RECORDED BY: MP DATE: SEPTEMBER 2018 SHEET NO. 54.030-Z			



KEY MAP
SCALE: 1"=2000'

- LEGEND**
- EX. CONTOUR (2')
 - EX. CONTOUR (10')
 - PROP. CONTOUR (2')
 - PROP. CONTOUR (10')
 - LIMIT OF DISTURBANCE
 - EX. TREELINE
 - PRIMARY MANAGEMENT AREA (PMA)
 - REGULATED STREAM (CENTERLINE)
 - REGULATED STREAM (TOP OF BANK)
 - PROPOSED STREAM
 - STREAM BUFFER (50')
 - NONTIDAL WETLAND
 - EX. WETLAND BUFFER (25')
 - TREE PROTECTION FENCE (TEMPORARY)
 - LIMIT OF GRADING
 - WOODLAND REFORESTATION WETLAND AREA (WRA)
 - WOODLAND REFORESTATION UPLAND AREA (WRA)
 - WOODLAND REFORESTATION LIVE STAKES AREA
 - PROPOSED CHANNEL FILL
 - SPECIMEN, CHAMPION, HISTORIC TREE PROPOSED FOR REMOVAL
 - SPECIMEN, CHAMPION, HISTORIC TREE TO BE SAVED
 - REFORESTATION/AFFORESTATION SIGN
 - SPECIMEN TREE SIGN



MATCH LINE - SEE SHEET 18

MATCH LINE - SEE SHEET 20

Prince George's County Planning Department, M-NCPPC
Environmental Planning Section
TREE CONSERVATION PLAN APPROVAL
TCP 2 - 017 - 2019

Approved by	Date	DRD #	Reason for Revision
01 [Signature]	9/12/2019		
02			
03			
04			
05			
06			

Mike Petroski
Qualified Professional
COMAR 08.19.06.01

GRAPHIC SCALE
0 10 20 30 40 50 60 70 80 90 100 110 120 FEET
SCALE: 1" = 30'

11721 WOODBONE ROAD, SUITE 200
NOTESVILLE, MARYLAND 20721
BEN DYER ASSOCIATES, INC.
Engineers / Surveyors / Planners
TELEPHONE (301) 438-2000
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DESIGNED BY: HM
CHECKED BY: MP
DATE: 11-1-2018
DRAWN BY: J-B18014
DATE: SEPTEMBER 2018
DRAW NO: 54.032.Z

CALL BEFORE YOU DIG!
MARYLAND LAW REQUIRES
2 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE
STOP CALL
REFERENCE MARYLAND STATE LAW ON
UNDERGROUND UTILITY DRAINAGE PREVENTION
LAW (MARYLAND STATE LAW TITLE 12)
800-257-7777

- PROJECT NOTES**
- VERTICAL DATUM IS NORTH AMERICAN
VERTICAL DATUM 1988 (NAVD88) (GEOID
09), US FEET.
 - HORIZONTAL DATUM IS NORTH AMERICAN
DATUM 1983 (NAD83), MARYLAND STATE
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LIDAR DATA OBTAINED FROM MD IMAP
WEBSITE: IMAP.MARYLAND.GOV/
 - THE WETLAND AND WATERS OF THE
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 - PROPOSED WORK TO BE COMPLETED
PURSUANT TO THE FOLLOWING PERMITS:
6.1.USACE: TBD
6.2.MDE: TBD
6.3.PGSCD: TBD
 - 100-YEAR FLOODPLAIN MAPPED BASED ON
THE FEMA DFIRM MAP NO. 24033C0245E.
DFIRM MAPPING WAS PREPARED UNDER
THE PRINCE GEORGE'S COUNTY FLOOD
INSURANCE STUDY (FIS) NUMBERED
24033C000, WITH AN EFFECTIVE DATE OF
SEPTEMBER 16, 2016.

DATE	DESCRIPTION
	REVISIONS

pH₁
SCIENTISTS AND ENGINEERS
2200 SOMERVILLE ROAD
SUITE 300
ANNAPOLIS, MD 21401
PHONE: 908.237.5660
FAX: 908.237.5666
WWW.PRINCETONHYDRO.COM

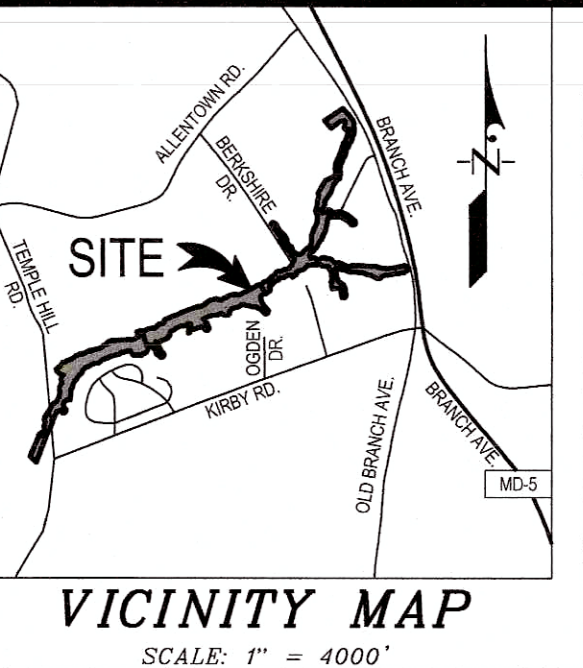


PROJECT NAME/LOCATION:
**TINKERS CREEK
STREAM RESTORATION PROJECT
PRINCE GEORGE'S COUNTY
MS4 COMPLIANCE PROGRAM
CLINTON AND CAMP SPRINGS, MARYLAND**

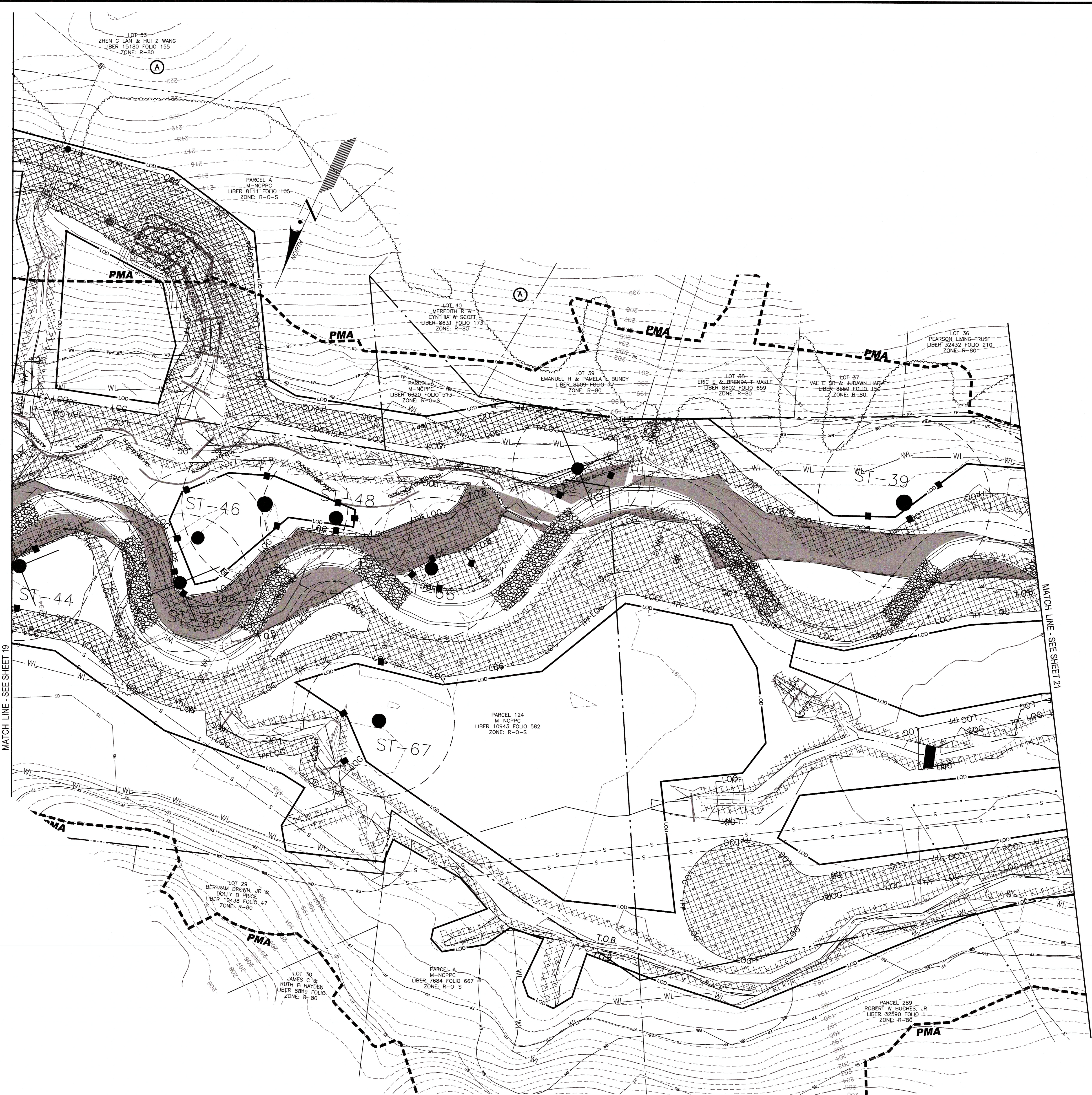
DRAWING NAME:
TREE CONSERVATION PLAN - TYPE 2

DATE:	6/13/2018
PROJECT NO.:	0995.048
SCALE:	
DRAWN BY:	
CHECKED BY:	

SHEET NO.
19 OF **24**



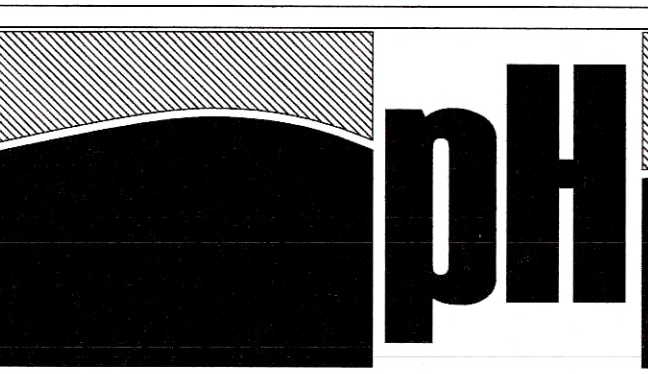
- LEGEND**
- EX. CONTOUR (2)
 - EX. CONTOUR (10)
 - PROP. CONTOUR (2)
 - PROP. CONTOUR (10)
 - LIMIT OF DISTURBANCE
 - EX. TREELINE
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 - REGULATED STREAM (TOP OF BANK)
 - PROPOSED STREAM
 - STREAM BUFFER (50')
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 - EX. WETLAND BUFFER (25')
 - TREE PROTECTION FENCE (TEMPORARY)
 - LIMIT OF GRADING
 - WOODLAND REFORESTATION WETLAND AREA (WRA)
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 - WOODLAND REFORESTATION LIVE STAKES AREA
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DATE	DESCRIPTION
	REVISIONS



SCIENTISTS AND ENGINEERS
2200 SOMERVILLE ROAD
SUITE 300
ANNAPOLIS, MD 21401
PHONE: 908.237.5660
FAX: 908.237.5666
WWW.PRINCEGEORGE.RO.COM



PROJECT NAME/LOCATION:
TINKERS CREEK
STREAM RESTORATION PROJECT
PRINCE GEORGE'S COUNTY
MS4 COMPLIANCE PROGRAM
CLINTON AND CAMP SPRINGS, MARYLAND

DRAWING NAME:

TREE CONSERVATION PLAN - TYPE 2

DATE:	6/13/2018
PROJECT NO.:	0995.048
SCALE:	
DRAWN BY:	
CHECKED BY:	

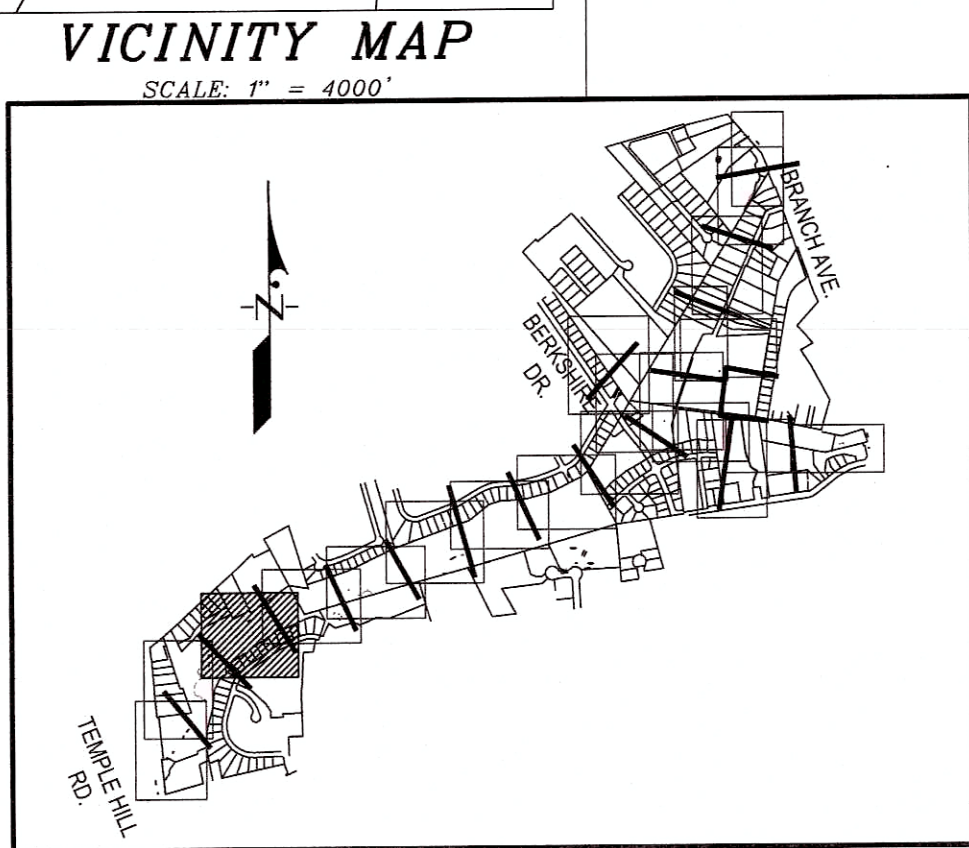
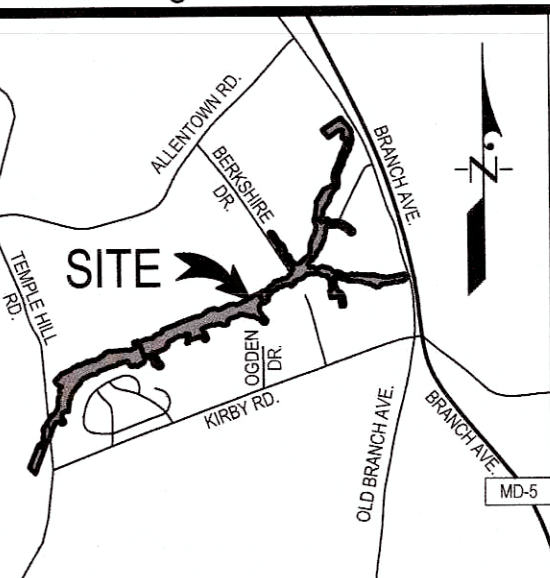
SHEET NO.

20 OF 24

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TREE CONSERVATION PLAN APPROVAL TCP 2 - 017 - 2019			
Approved by	Date	DRD #	Reason for Revision
Mike Petrakis	9/12/2019		
01			
02			
03			
04			
05			
06			

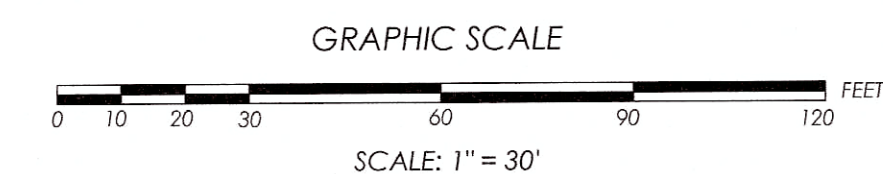
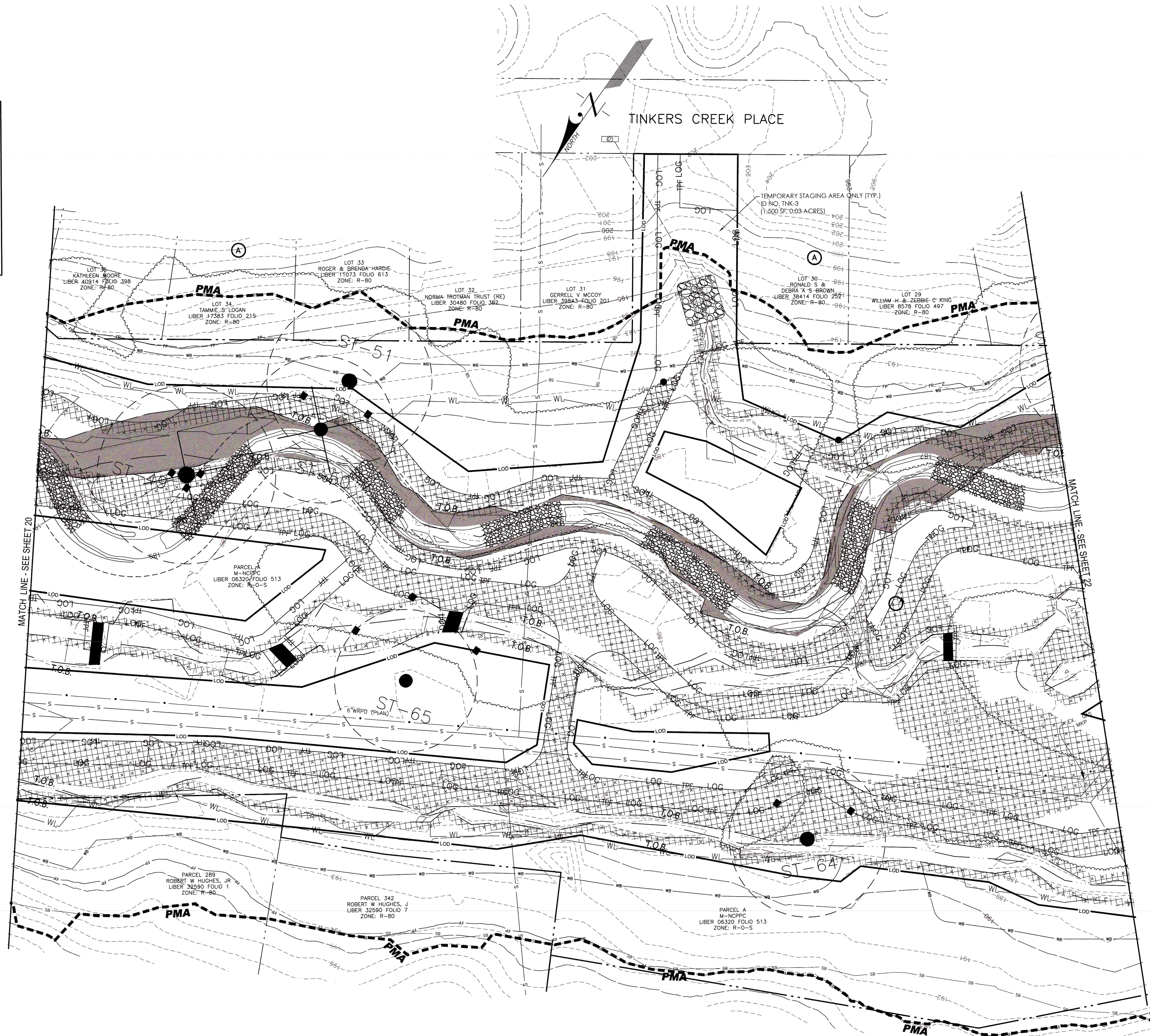
GRAPHIC SCALE
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SCALE: 1" = 30'

11721 WOODMORE ROAD, SUITE 200
MITCHELLVILLE, MARYLAND 20701
BEN DYER ASSOCIATES, INC.
Engineers / Surveyors / Planners
TELEPHONE (301) 430-2000
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DESIGNED BY: PCN
CHECKED BY: MP
DATE: 11/13/2018
SCALE: 1" = 30'
DRAWN BY: J-B18014
DATE: SEPTEMBER 2018
SHEET NO. 54.033-Z



LEGEND

- EX. CONTOUR (2')
- EX. CONTOUR (10')
- PROP. CONTOUR (2')
- PROP. CONTOUR (10')
- LIMIT OF DISTURBANCE
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Prince George's County Planning Department, M-NCPPC Environmental Planning Section TREE CONSERVATION PLAN APPROVAL TCP 2 - 017 - 2019			
Approved By	Date	DRD #	Reason for Revision
01. [Signature]	9/12/2019		
02.			
03.			
04.			
05.			
06.			

August 7, 2019
DATE
Mike Petroski
Qualified Professional
COMAR 08.19.06.01

11771 WOODBURN ROAD, SUITE 500
MITCHELLVILLE, MARYLAND 20721
BEN DYER ASSOCIATES, INC.
Engineers / Surveyors / Planners
TELEPHONE (301) 430-2000
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DESIGNED BY: J-B18014
SCALE: 1" = 30'
DATE: SEPTEMBER 2018
DRAWN BY: 54.034-Z

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PLANE COORDINATES (SPC 1900), US
FEET.
- DETAILED TOPOGRAPHIC DATA COLLECTION
IS CURRENTLY IN PROGRESS.
- TOPOGRAPHIC INFORMATION ILLUSTRATED
ON THIS PLAN WAS OBTAINED FROM 2014
LIDAR DATA OBTAINED FROM MD IMAP
WEBSITE: IMAP.MARYLAND.GOV/
- THE WETLAND AND WATERS OF THE
UNITED STATES DELINEATION FOR THIS
PROJECT IS CURRENT IN PROGRESS.
- PROPOSED WORK TO BE COMPLETED
PURSUANT TO THE FOLLOWING PERMITS:
6.1. USACE: TBD
6.2. MDE: TBD
6.3. PGSCD: TBD
- 100-YEAR FLOODPLAIN MAPPED BASED ON
THE FEMA DFRM MAP NO. 24033C0245E.
DFRM MAPPING WAS PREPARED UNDER
THE PRINCE GEORGE'S COUNTY FLOOD
INSURANCE STUDY (FIS) NUMBERED
24033C000, WITH AN EFFECTIVE DATE OF
SEPTEMBER 16, 2016.

DATE	DESCRIPTION
REVISIONS	



SCIENTISTS AND ENGINEERS
2200 SOMERVILLE ROAD
SUITE 300
ANNAPOLIS, MD 21401
PHONE: 908.237.5660
FAX: 908.237.5666
WWW.PRINCETONHYDRO.COM

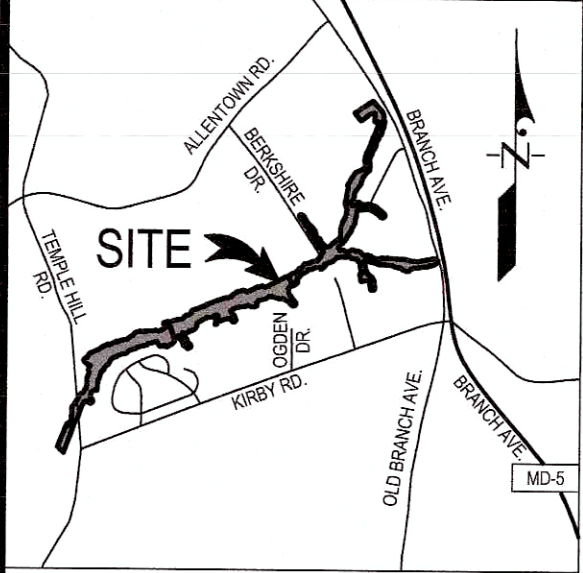


PROJECT NAME/LOCATION:
TINKERS CREEK
STREAM RESTORATION PROJECT
PRINCE GEORGE'S COUNTY
MS4 COMPLIANCE PROGRAM
CLINTON AND CAMP SPRINGS, MARYLAND

DRAWING NAME:
TREE CONSERVATION PLAN - TYPE 2

DATE:	6/13/2018
PROJECT NO.:	0995.048
SCALE:	
DRAWN BY:	
CHECKED BY:	

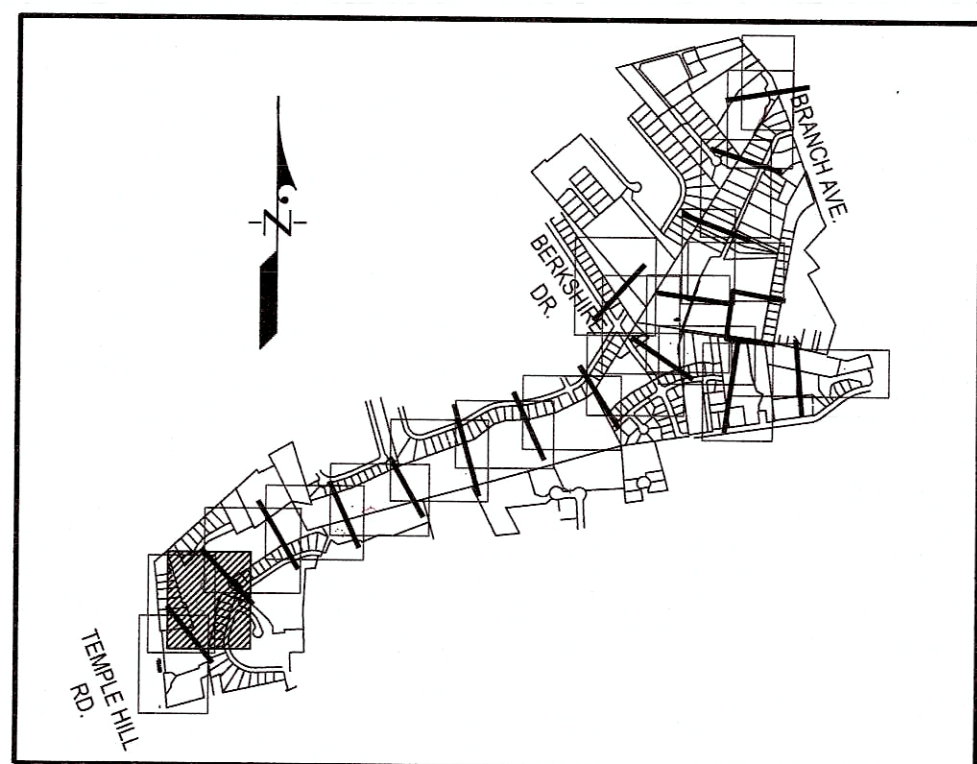
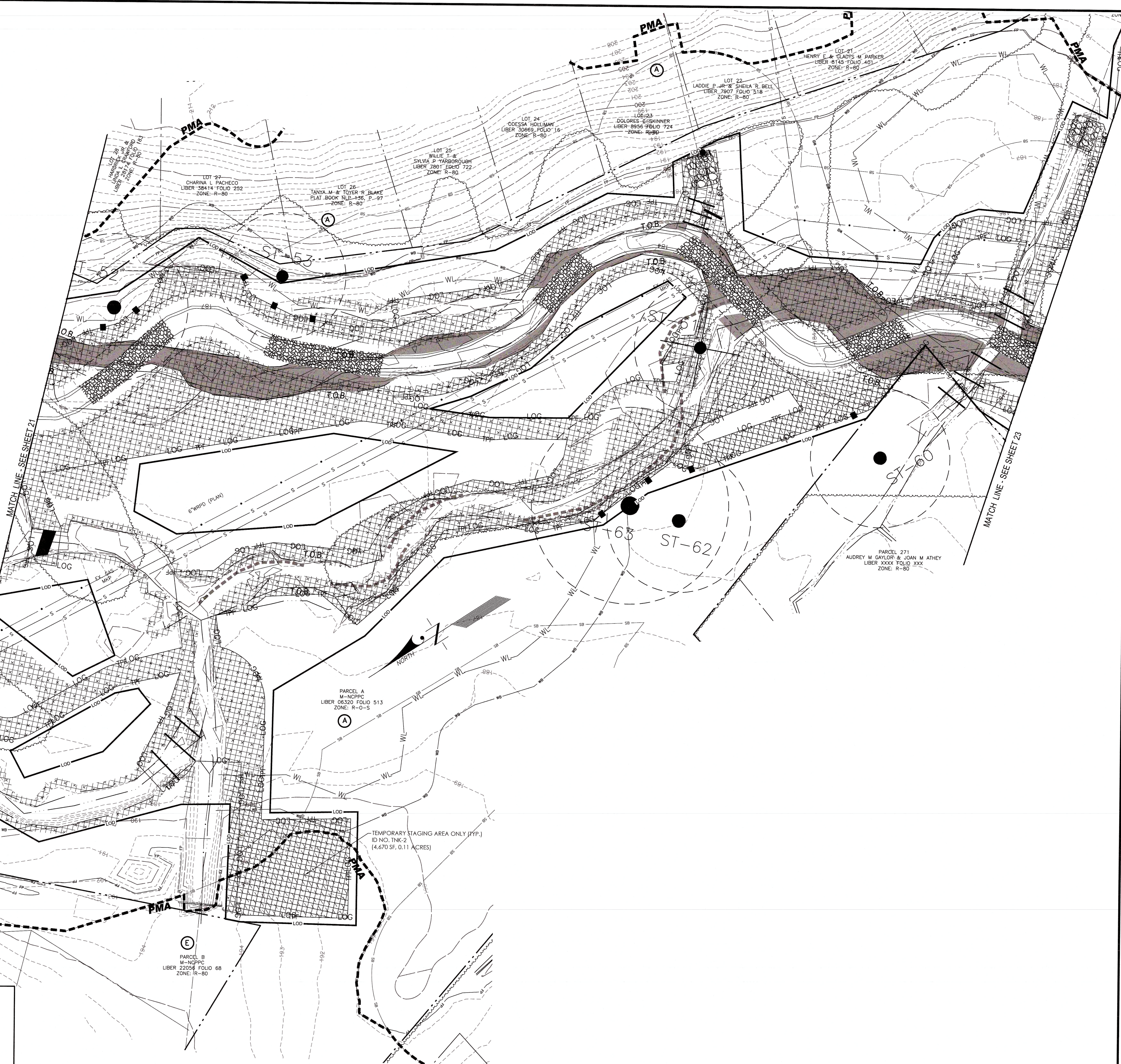
SHEET NO.
21 OF 24



VICINITY MAP
SCALE: 1" = 4000'

LEGEND

- EX. CONTOUR (2)
- EX. CONTOUR (10)
- PROP. CONTOUR (2)
- PROP. CONTOUR (10)
- LIMIT OF DISTURBANCE
- EX. TREELINE
- PRIMARY MANAGEMENT AREA (PMA)
- REGULATED STREAM (CENTERLINE)
- REGULATED STREAM (TOP OF BANK)
- PROPOSED STREAM
- STREAM BUFFER (50')
- NONTIDAL WETLAND
- EX. WETLAND BUFFER (25')
- TREE PROTECTION FENCE (TEMPORARY)
- LIMIT OF GRADING
- WOODLAND REFORESTATION WETLAND AREA (WRA)
- WOODLAND REFORESTATION UPLAND AREA (WRA)
- WOODLAND REFORESTATION LIVE STAKES AREA
- PROPOSED CHANNEL FILL
- SPECIMEN, CHAMPION, HISTORIC TREE PROPOSED FOR REMOVAL
- SPECIMEN, CHAMPION, HISTORIC TREE TO BE SAVED
- REFORESTATION SIGN
- AFFORESTATION SIGN
- SPECIMEN TREE SIGN



KEY MAP
SCALE: 1" = 2000'

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TREE CONSERVATION PLAN APPROVAL TCP 2 - 017 - 2019			
Approved by:	Date:	DRD #	Reason for Revision
01. <i>Blue Sticker</i>	9/12/2019		
02.			
03.			
04.			
05.			
06.			

GRAPHIC SCALE
0 10 20 30 40 50 60 70 80 90 100 110 120 FEET
SCALE: 1" = 30'

11721 WOODBONE ROAD, SUITE 300
MITCHELLVILLE, MARYLAND 20714
BEN DYER ASSOCIATES, INC.
Engineers / Surveyors / Planners
TELEPHONE (301) 430-2000
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Mike Petroski
Qualified Professional
COMAR 08.19.06.01

DATE: 9/12/2019
SCALE: 1" = 30'
SHEET NO. 54,035-2

CALL BEFORE YOU DIG!
MARYLAND LAW REQUIRES
2 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE
STOP CALL
REFERENCE MARYLAND STATE LAW ON
UNDERGROUND UTILITY DRAINAGE PREVENTION
LAW (MARYLAND STATE LAW TITLE 12)
800-257-7777

PROJECT NOTES

1. VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88) (GEOD 09), US FEET.
2. HORIZONTAL DATUM IS NORTH AMERICAN DATUM 1983 (NAD83), MARYLAND STATE PLANE COORDINATES (SPC 1900), US FEET.
3. DETAILED TOPOGRAPHIC DATA COLLECTION IS CURRENTLY IN PROGRESS.
4. TOPOGRAPHIC INFORMATION ILLUSTRATED ON THIS PLAN WAS OBTAINED FROM 2014 LIDAR DATA OBTAINED FROM MD IMAP WEBSITE: IMAP.MARYLAND.GOV/
5. THE WETLAND AND WATERS OF THE UNITED STATES DELINEATION FOR THIS PROJECT IS CURRENT IN PROGRESS.
6. PROPOSED WORK TO BE COMPLETED PURSUANT TO THE FOLLOWING PERMITS:
6.1. USACE: TBD
6.2. MDE: TBD
6.3. PGSCD: TBD
7. 100-YEAR FLOODPLAIN MAPPED BASED ON THE FEMA DFIRM MAP NO. 24033C0245E. DFIRM MAPPING WAS PREPARED UNDER THE PRINCE GEORGE'S COUNTY FLOOD INSURANCE STUDY (FIS) NUMBERED 24033C000, WITH AN EFFECTIVE DATE OF SEPTEMBER 16, 2016.

DATE	DESCRIPTION
REVISIONS	

pH₁

SCIENTISTS AND ENGINEERS
2200 SOMERVILLE ROAD
SUITE 300
ANNAPOLIS, MD 21401
PHONE: 808.237.5660
FAX: 808.237.5666
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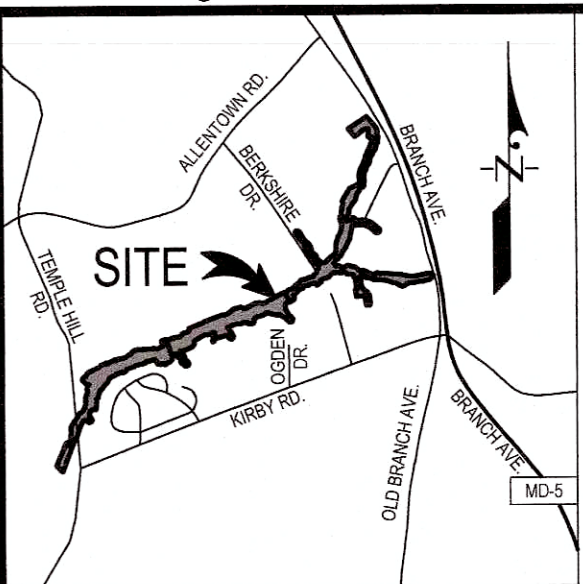


PROJECT NAME/LOCATION:
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STREAM RESTORATION PROJECT
PRINCE GEORGE'S COUNTY
MS4 COMPLIANCE PROGRAM
CLINTON AND CAMP SPRINGS, MARYLAND

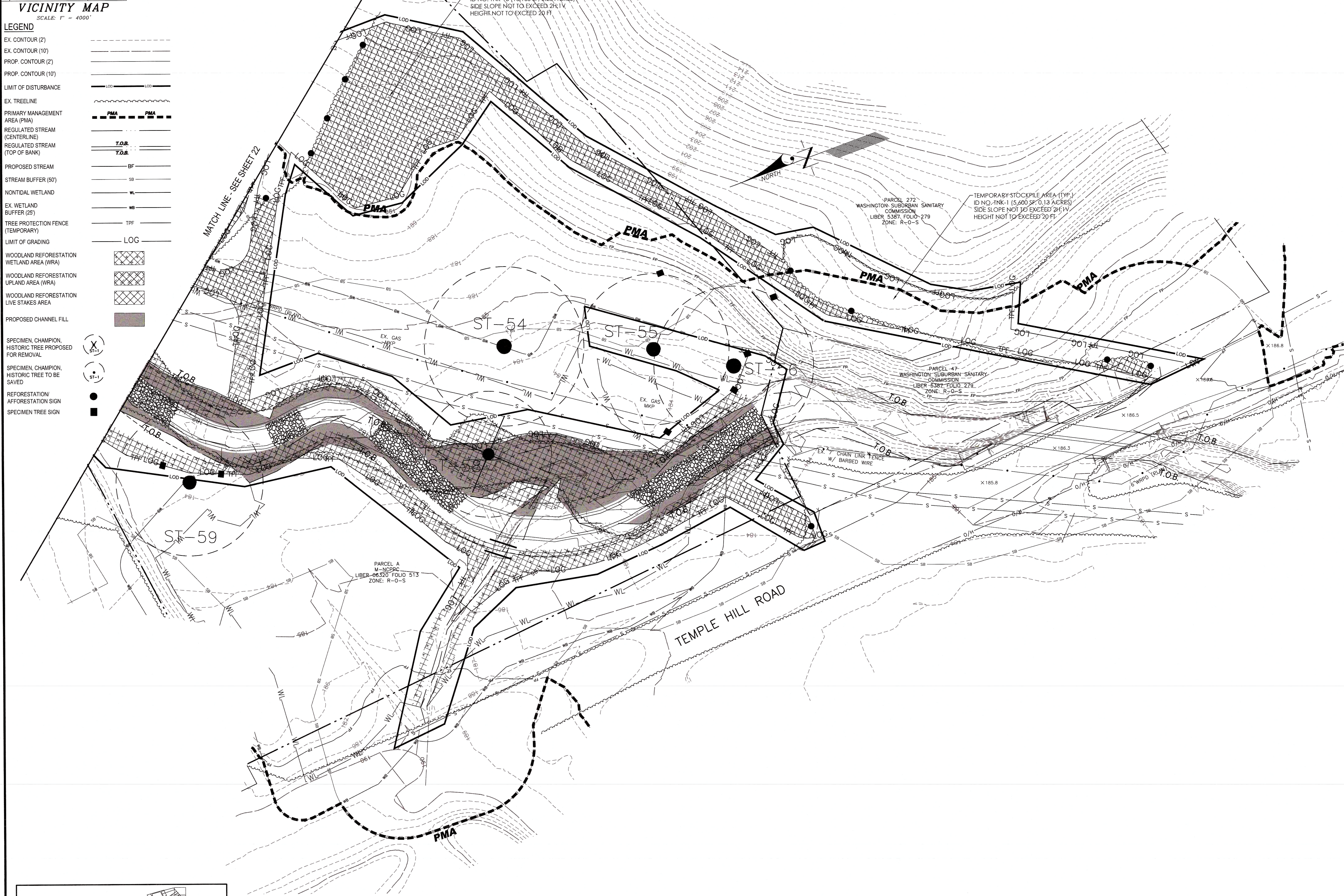
DRAWING NAME:
TREE CONSERVATION PLAN - TYPE 2

DATE:	6/13/2018
PROJECT NO.:	0995.048
SCALE:	
DRAWN BY:	
CHECKED BY:	
SHEET NO.	

22 OF 24



- VICINITY MAP**
SCALE: 1" = 4000'
- LEGEND**
- EX. CONTOUR (2')
 - EX. CONTOUR (10')
 - PROP. CONTOUR (2')
 - PROP. CONTOUR (10')
 - LIMIT OF DISTURBANCE
 - EX. TREELINE
 - PRIMARY MANAGEMENT AREA (PMA)
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 - REFORESTATION/AFFORESTATION SIGN
 - SPECIMEN TREE SIGN

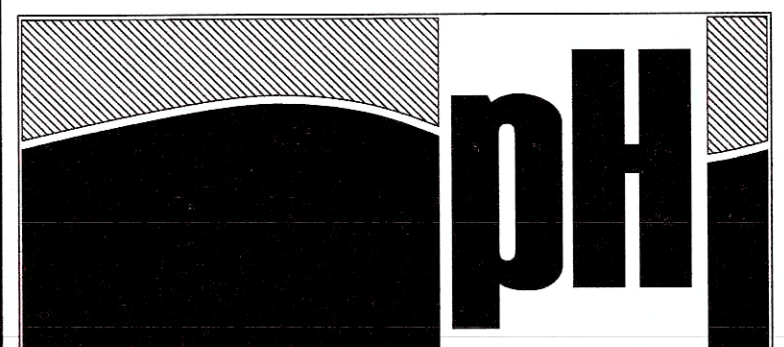


KEY MAP
SCALE: 1"=2000'

CALL BEFORE YOU DIG!
MARYLAND LAW REQUIRES
2 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE
STOP CALL
REFERENCE MARYLAND STATE LAW ON
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PROJECT NAME/LOCATION:
TINKERS CREEK
STREAM RESTORATION PROJECT
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CLINTON AND CAMP SPRINGS, MARYLAND

DRAWING NAME:
TREE CONSERVATION PLAN - TYPE 2

DATE:	6/13/2018
PROJECT NO.:	0995.048
SCALE:	
DRAWN BY:	
CHECKED BY:	

SHEET NO.
23 OF 24

Prince George's County Planning Department, M-NCPPC Environmental Planning Section TREE CONSERVATION PLAN APPROVAL TCP 2 - 017 - 2019			
NO.	APPROVED BY	DATE	REASON FOR REVISION
01	Mike Petroski	8/12/2019	
02			
03			
04			
05			
06			

GRAPHIC SCALE
0 10 20 30 40 50 60 70 80 90 100 110 120 FEET
SCALE: 1" = 30'

11721 WOODHURST ROAD, SUITE 300
MITCHELLVILLE, MARYLAND 20721
BEN DYER ASSOCIATES, INC.
Engineers / Surveyors / Planners
TELEPHONE (301) 430-2000
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DESIGNED BY: HM
CHECKED BY: MP
SCALE: 1" = 30'
DATE: SEPTEMBER 2018
DRAWING NO.: J-B18014
54.036-Z

GENERAL NOTES

- This plan is submitted to fulfill the woodland conservation requirements for a grading permit.
- Cutting or clearing of woodland not in conformance with this plan or without the expressed written consent of the Planning Director or designee shall be subject to a \$9.00 per square foot mitigation fee.
- A pre-construction meeting is required prior to the issuance of grading permits. The Department of Permits, Inspection and Enforcement, shall be contacted prior to the start of any work on the site to conduct a pre-construction meeting where implementation of woodland conservation measures shown on this plan will be discussed in detail.
- The developer or builder of the lots or parcels shown on this plan shall notify future buyers of any woodland conservation areas through the provision of a copy of this plan at time of contract signing. Future property owners are also subject to this requirement.
- The owners of the property subject to this tree conservation plan are solely responsible for conformance to the requirements contained herein.
- The property is within Environmental Strategy Area, ESA-2 and is zoned R-R (Rural Residential), R-O-S (Reserved Open Space), R-80 (One Family Detached Residential), CM (Commercial Miscellaneous) and O-S (Open Space).
- The property is adjacent to Old Branch Avenue which is designated a historic roadway.
- The property is adjacent to Temple Hill Road which is classified as an arterial roadway.
- This plan is not grandfathered under CB-27-2010, Section 25-177(g).

AFFORESTATION AND REFORESTATION NOTES

- All afforestation/reforestation bonding, based on square footage, shall be all posted with the county prior to the issuance of any permits. These bonds will be retained as surety until all required activities have been satisfied or the required timeframe for maintenance has passed, whichever is longer.
- The planting of afforestation or reforestation areas shall be completed prior to the issuance of the first building permit. Seedling planting is to occur from November through May only. No planting shall be done while ground is frozen. Planting with large caliper stock or containerized stock may be done at any time provided a detailed maintenance schedule is provided.
- If planting cannot occur due to planting conditions, the developer or property owner shall install the fencing and signage in accordance with the approved Type 2 Tree Conservation Plan. Planting shall then be accomplished during the next planting season. If planting is delayed beyond the transfer of the property title to the homeowner, the developer or builder shall obtain a signed statement from the purchaser indicating that they understand that the reforestation area is located on their property and that reforestation will occur during the next planting season. A copy of that document shall be presented to the Grading Inspector and the county.
- Reforestation areas shall not be removed. The management of competing vegetation around individual trees and the removal of noxious, invasive, and non-native vegetation within the reforestation areas is acceptable.
- All required temporary tree protection fencing shall be installed prior to the clearing and grading of the site and shall remain in place until the permanent tree protection fencing is installed with the required planting. The temporary fencing is not required to be installed if the permanent fencing is installed prior to clearing and grading of the site. Failure to install permanent temporary or permanent tree protective fencing is a violation of this TCP2.
- Afforestation/reforestation areas shall be posted with notification signage, as shown on the plans, at the same time as the permanent protection fencing installation. These signs shall remain in perpetuity.
- The county inspector shall be notified prior to soil preparation or initiation of any tree planting on this site.
- At time of issuance of the first permit, the following information shall be submitted to the M-NCPPC Planning Department regarding the contractor responsible for implementation of this plan; contractor name, business name (if different), address, and phone number. Results of annual survival checks for each of the required four years after tree planting shall be reported to the M-NCPPC Planning Department.
- Failure to establish the afforestation or reforestation within the prescribed time frame will result in the forfeiture of the reforestation bond and/or a violation of this plan including the associated \$9.00 per square foot penalty unless the county inspector approves a written extension.

PLANTING SPECIFICATION NOTES

- Quantity: (See Plant Schedule)
- Type: (See Plant Schedule)
- Plant Quality Standards: The plants selected shall be healthy and sturdy representatives of their species. Seedlings shall have a minimum top growth of 18". The diameter of the root collar (the part of the root just below ground level) shall be at least 3/8". The roots shall be well developed and at least 8" long, no more than twenty-five percent (25%) of the root system (both primary and auxiliary/fibrous roots) shall be present.
- Plants that do not have an abundance of well developed terminal buds on the leaders and branches shall be rejected.
- Plants shall be shipped by the nursery immediately after lifting from the field or removal from the green house, and planted immediately upon receipt by the landscape contractor.
- If the plants cannot be planted immediately after delivery to the reforestation site, they shall be stored in the shade with their root masses protected from direct exposure to sun and wind by the use of straw, peat moss, compost, or other suitable material and shall be maintained through periodic watering, until the time of planting.
- Planting Handling: The quantity of seedlings taken to the field shall not exceed the quantity that can be planted in a day. Seedlings, once removed from the nursery or temporary storage area shall be planted immediately.
- Timing of Planting: The best time to plant seedlings is while they are dormant, prior to spring budding. The most suitable months for planting are March and April, when the soil is moist, but may be planted from March through November. No planting shall be done while ground is frozen. Planting shall occur within one growing season of the issuance of grading/building permits and/or reaching the final grades and stabilization of planting areas.
- Seedling Planting: Tree seedlings shall be hand planted using a dibble bar or sharp-shooter shovel. It is important that the seedling be placed in the hole so that the roots can spread out naturally; they should not be twisted, balled up or bent. Moist soil should then be packed firmly around the roots. Seedlings should be planted at a depth where their roots lie just below ground surface. Air pockets should not be left after closing the hole which would allow the roots to dry out. See planting details for further explanation. If the contractor wishes to plant by another method, the preparer of this tree conservation plan must be contacted and give his approval before planting may begin.
- Spacing: See Plant Schedule and/or Planting Plan for spacing requirements. Also refer to the Planting Layout detail for a description of the general planting theory.
- Soil: Upon the completion of all grading operations, a soil test shall be conducted to determine soil preparation and soil amendments, if any, are necessary to create good tree growing conditions. Soil samples shall be taken at a rate that provides one soil sample for each acre and shall have a different soil type (if the entire area appears uniform, then only one sample is necessary), and submitted for testing to a private company. The company of choice shall make recommendations for improving the existing soil. The soil will be tested and recommended for corrections of soil texture, pH, magnesium, phosphorus, potassium, calcium and organic matter.
- Soil Improvement Measures: The soil shall then be improved according to the recommendations made by the testing company.
- Fencing and Signage: Final protective fencing shall be placed on the visible and/or development side of planting areas. The final protective fence shall be installed upon completion of planting operation unless it was installed during the initial stages of development. Signs shall be posted per the signage detail on this sheet.
- Planting method: Consult the Planting Detail(s) shown on this plan.
- Mulching: Apply two-inch thick layer of woodchip or shredded hardwood mulch (as noted) at each planting site (see detail shown on this plan).
- Groundcover Establishment: The remaining disturbed area between seedling planting site shall be seeded and stabilized with white clover seed at the rate of 5 lbs/acre.
- Mowing: No mowing shall be allowed in any planting area.
- Survival Check for Bond Release: The seedling planting is to be checked at the end of each year for four years to assure that no less than 75% of the original planted quantity survives. If the minimum number has not been provided the area must be supplemented with additional seedlings to reach the required number at time of planting.
- Source of Seedlings: State name, address, and phone number of nursery or supplier. When areas designated for reforestation will be reforested by natural regeneration the following notes shall be added to the plan:

A Four-Year Management Plan for Re/Afforestation shall be added to the plan as follows:

FOUR-YEAR MANAGEMENT PLAN FOR REAFFORESTATION AREAS

Field check the re-afforestation area according to the following schedule:

- Year 1: Site Preparation and Tree Planting
Survival check once annually (September-November) (see Note 1)
Watering is needed (2 x month)
Control of undesirable vegetation as needed (1 x in June and 1 x in August min.)
- Year 2-3: Reinforcement planting is needed (See Note 2)
Survival check once annually (September-November)
Control of undesirable vegetation if needed (1 x in May and 1 x in August min.)
- Year 4: Reinforcement planting if needed (See Note 2)
Survival Check (September-November)

- Survival Check: Check planted stock against plant list (or as-built) by walking the site and taking inventory. Plants must show vitality. Submit field data forms (Condition Check Sheets) to owner after each inspection. Remove all dead plants.
- Reinforcement Planting: Replace dead or missing plants in sufficient quantity to bring the total number of live plants to at least 75% of the number originally planted. If a particular species suffers unusually high mortality, replace with an alternative plant type.
- Miscellaneous: Fertilization or watering during years 1 through 3 will be done on an as needed basis. Special return operations or recommendations will be conducted on an as needed basis.

FORESTED UPLAND: 5.22 AC					
THE NUMBER OF CONTAINER/BAREROOT INDICATED IN THIS TABLE IS BASED ON A PLANTING DENSITY OF EIGHT (8) AND TEN (10) FEET ON CENTER					
BOTANICAL NAME:	SPECIES NAME:	PLANTING TYPE:	INDICATOR STATUS:	QUANTITY	
ACER RUBRUM	RED MAPLE	*24-36" CONTAINER/BAREROOT	FAC	140	
CAMPNUS CAROLINIANA	AMERICAN HORNBEAM	*24-36" CONTAINER/BAREROOT	FAC	115	
CARYA TOMENTOSA	MOCKERNUT HICKORY	*24-36" CONTAINER/BAREROOT	FAC	170	
CORNUS FLORIDA	FLOWERING DOGWOOD	*24-36" CONTAINER/BAREROOT	FACU	170	
DIOSPIROS VIRGINIANA	COMMON PERSIMMON	*24-36" CONTAINER/BAREROOT	FAC	115	
FAGUS GRANDIFOLIA	AMERICAN BEECH	*24-36" CONTAINER/BAREROOT	FACU	225	
LINDOCHEDON FLUTTERA	TULIP TREE	*24-36" CONTAINER/BAREROOT	FACU	225	
PRUNUS SEROTINA	BLACK CHERRY	*24-36" CONTAINER/BAREROOT	FACU	200	
QUERCUS ALBA	WHITE OAK	*24-36" CONTAINER/BAREROOT	FAC	225	
QUERCUS RUBRA	RED OAK	*24-36" CONTAINER/BAREROOT	FACU	225	
ROBINIA PSEUDACACIA	BLACK LOCUST	*24-36" CONTAINER/BAREROOT	FACU	140	
ILEX OPACIA	AMERICAN HOLLY	*24-36" CONTAINER/BAREROOT	FACU	140	
KALAM LATIFOLIA	MOUNTAIN LAUREL	*24-36" CONTAINER/BAREROOT	FACU	170	
VACCINIUM ANGUSTIFOLIUM	LOWBUSH BLUEBERRY	*24-36" CONTAINER/BAREROOT	FACU	200	
VIBURNUM PRUNIFOLIUM	BLACK CHAM	*24-36" CONTAINER/BAREROOT	FACU	170	
VIBURNUM REGINUM	SOUTHERN ARROWWOOD	*24-36" CONTAINER/BAREROOT	FAC	200	

NOTES:

- All tree/shrub species planted within the reforestation areas, should be randomly distributed throughout the proposed reforestation area, so as to promote a natural woodland structure. (See Planting Layout detail)
- In the event of species unavailability, a substitution may be made. Any substitution made requires written notification to M-NCPPC, Environmental Planning Section.
- For additional information regarding the reforestation details, see the Tinkers Creek Stream Restoration Plan, Planting Plan Sheets A-C.

POST DEVELOPMENT NOTES

When woodlands and/or specimen, historic or champion trees are to remain:

- If the developer or builder no longer has an interest in the property and the new owner desires to remove a hazardous tree or portion thereof, the new owner shall obtain a written statement from a Certified Arborist or Licensed Tree Expert identifying the hazardous condition and the proposed corrective measures prior to having the work conducted. After property documentation has been completed per the handout "Guidance for Prince George's County Property Owners, Preservation of Woodland Conservation Areas", the arborist or tree expert may then remove the tree. The stump shall be cut as close to the ground as possible and left in place. The removal or grinding of the stumps in the woodland conservation area is not permitted.
- If a tree or portions thereof are in imminent danger of striking a structure, parking area, or other high usage area and may result in personal injury or property damage then the certification is not required and the permittee shall take corrective action immediately. The condition of the area shall be fully documented through photographs prior to corrective action being taken. The photos shall be submitted to the inspector for documentation of the damage.
- Tree work to be completed within a road right-of-way requires a permit from the Maryland Department of Natural Resources unless the tree removal is shown within the approve limits of disturbance on a TCP2. The work is required to be conducted by a Licensed Tree Expert.
- The removal of noxious, invasive, and non-native plant species from any woodland preservation area shall be done with the use of hand-held equipment only (pruners or a chain saw). These plants may be cut near the ground and material less than two inches diameter may be removed from the area and disposed of appropriately. All material from these noxious, invasive, and non-native plants greater than two (2) inches diameter shall be cut to allow contact with the ground, thus encouraging decomposition.
- The use of broadcast spraying of herbicides is not permitted. However, the use of herbicides to discourage re-sprouting of invasive, noxious, or non-native plants is permitted if done as an application of the chemical directly to the cut stump immediately following cutting of plant tops. The use of any herbicide shall be done in accordance with the label instructions.
- The use of chainsaws is extremely dangerous and should not be conducted with poorly maintained equipment, without safety equipment, or by individuals not trained in the use of this equipment for the pruning and/or cutting of trees.

PROTECTION OF REFORESTATION AND AFFORESTATION AREAS BY INDIVIDUAL HOMEOWNERS

- Reforestation fencing and signage shall remain in place in accordance with the approved Type 2 Tree Conservation Plan.
- Reforestation areas shall not be mowed; however, the management of competing vegetation and removal of noxious, invasive, and non-native vegetation around individual trees is acceptable.

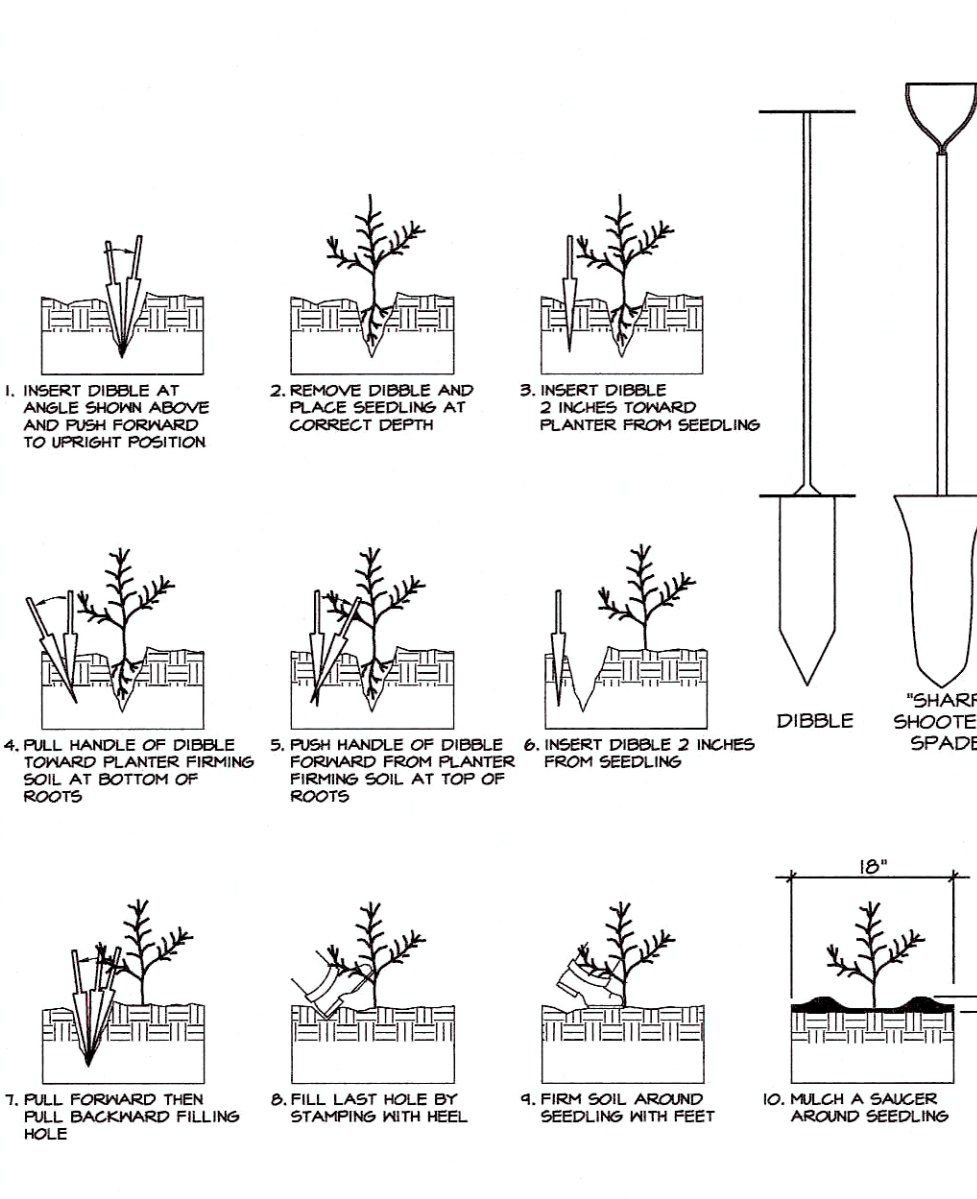
Tasks	Months
Transport of 2" dibble or shovel	Jan Feb Mar Apr May June July Aug Sep Oct Nov Dec
Planting Seedlings, Whips	
Heaven Monitoring	
Fertilizer (if needed)	
Watering	
Pruning	

Recommended Optimal time
Recommended with Additional Care
Recommended
Dependent Upon Site Conditions
Heavily Watering is Strongly Recommended From May Through October unless Heavily Rainfall Equals 1"

- NOTES:
- Activities during November through February depend on ground conditions.
 - No fall planting of oaks and pines.
 - The planting and care of trees must be successful when coordinated with the local conditions. The planting and care of trees must be successful when coordinated with the local conditions.
 - Dependent Upon Site Conditions

TREE PLANTING and MAINTENANCE CALENDAR

Source: Adapted From Forest Conservation Manual (H)



SEEDLING PLANTING DETAIL

NOT TO SCALE

PLANT SCHEDULE FOR RE/AFFORESTATION

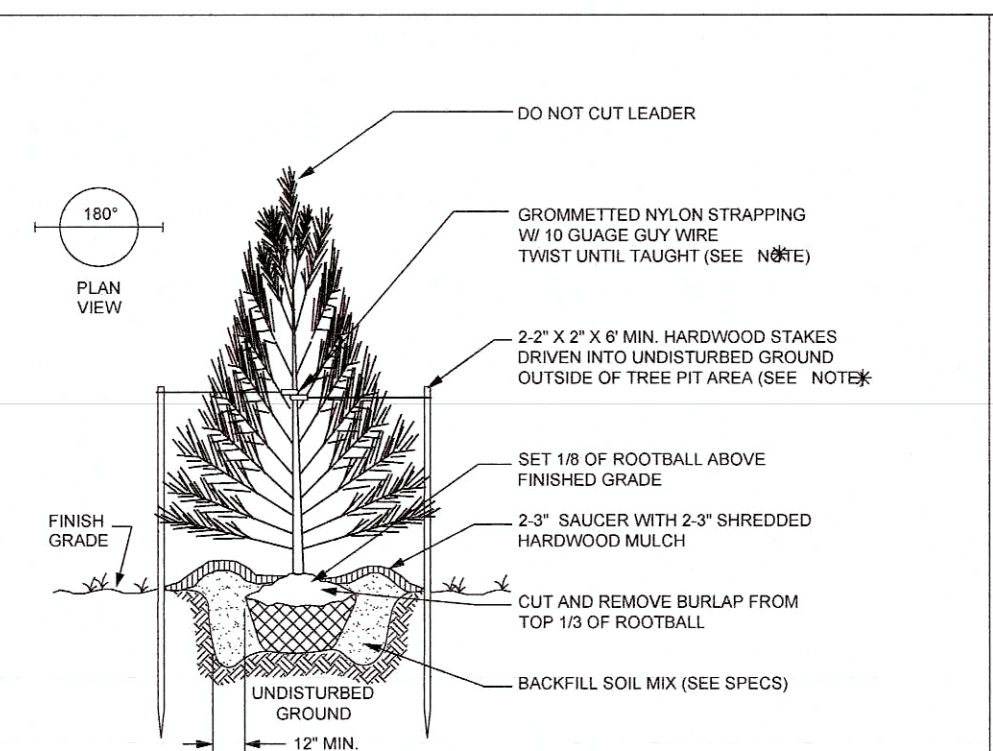
TOTAL REAFFORESTATION PROVIDED: 27.81 ACRES

FORESTED WETLAND: 20.34 AC

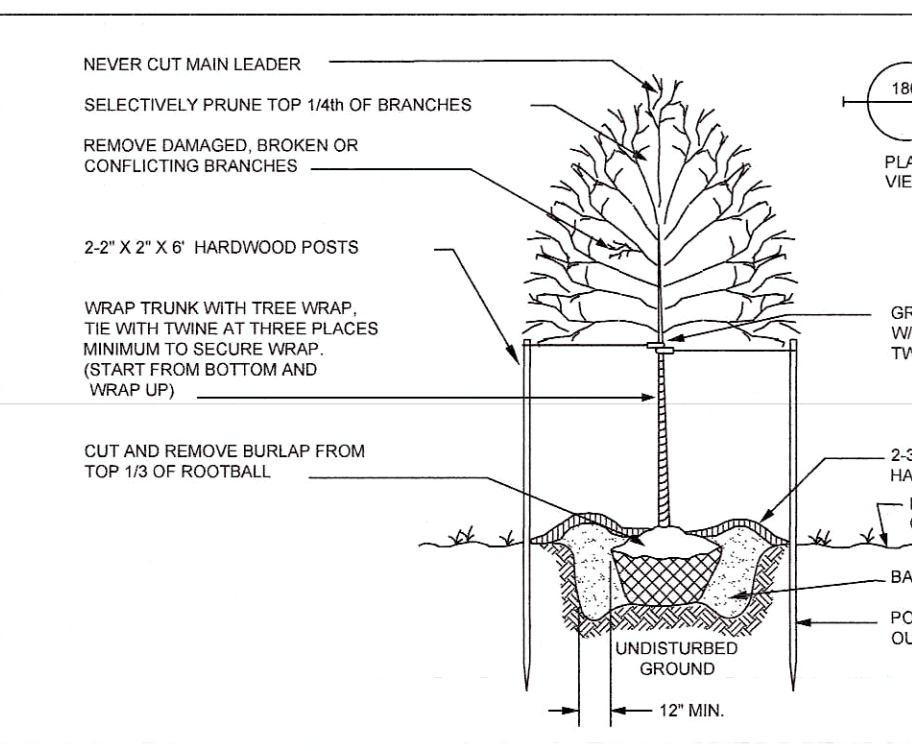
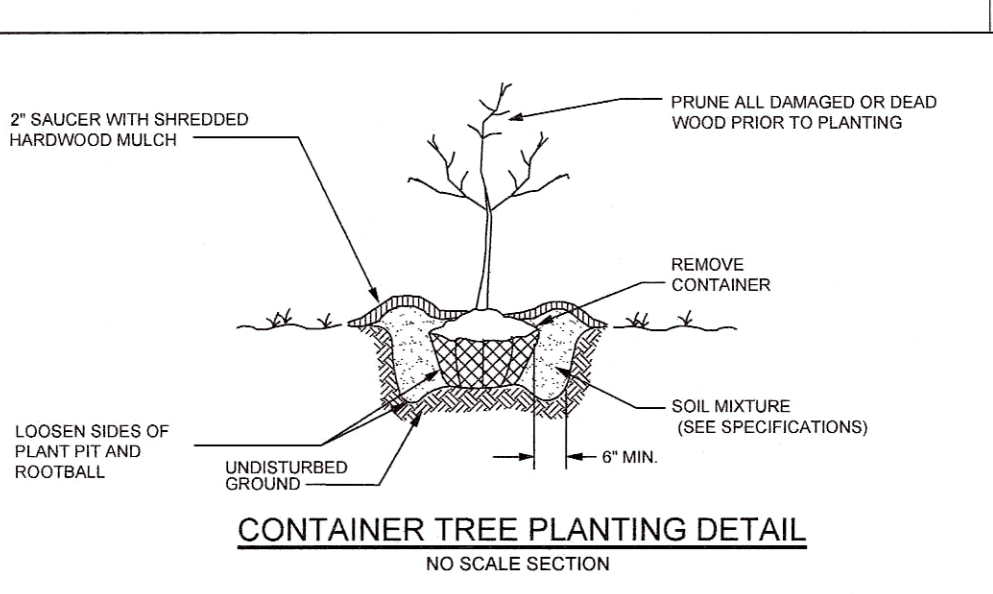
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BOTANICAL NAME:	SPECIES NAME:	PLANTING TYPE:	INDICATOR STATUS:	QUANTITY	
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ACER NEGUNDO	BOX ELDER	*24-36" CONTAINER/BAREROOT	FAC	440	
BETULA NIGRA	RIVER BIRCH	*24-36" CONTAINER/BAREROOT	FACU	660	
LIQUIDAMBAR STYRACILIA	SWEET GUM	*24-36" CONTAINER/BAREROOT	FAC	770	
PLATANUS OCCIDENTALIS	AMERICAN Sycamore	*24-36" CONTAINER/BAREROOT	FACU	770	
QUERCUS BICOLOR	SWAMP WHITE OAK	*24-36" CONTAINER/BAREROOT	FAC	875	
PRUN AVI	SMOOTH ALDER	*24-36" CONTAINER/BAREROOT	FACU	875	
QUERCUS PRINCEPS	WILLOW OAK	*24-36" CONTAINER/BAREROOT	FACU	770	
SAUX NIGRA	BLACK WILLOW	*24-36" CONTAINER/BAREROOT	OBL	660	
ALNUS SERRULATA	SMOOTH ALDER	*24-36" CONTAINER/BAREROOT	FACU	875	
ARONIA ARBURGOLIA	RED CHOKEBERRY	*24-36" CONTAINER/BAREROOT	FACU	660	
CESTRUM ALNIFOLIA	SWIFT PEPPER BUSH	*24-36" CONTAINER/BAREROOT	FACU	660	
CORNUS ANONUM	COMMON DOGWOOD	*24-36" CONTAINER/BAREROOT	FACU	440	
ILEX VERTICILLATA	COMMON WINTERBERRY	*24-36" CONTAINER/BAREROOT	FACU	770	
SAMBUCUS NIGRA CANADENSIS	AMERICAN BLACK ELDERBERRY	*24-36" CONTAINER/BAREROOT	FACU	660	
VACCINIUM CORYMBOSUM	HIGHBUSH BLUEBERRY	*24-36" CONTAINER/BAREROOT	FACU	440	
VIBURNUM DENTATUM	ARROW-WOOD	*24-36" CONTAINER/BAREROOT	FAC	440	

LIVE STAKE PLANTING: 2.23 AC

THE NUMBER OF LIVE STAKES INDICATED IN THIS TABLE IS BASED ON A PLANTING DENSITY OF THREE (3) FEET ON CENTER					
BOTANICAL NAME:	SPECIES NAME:	PLANTING TYPE:	INDICATOR STATUS:	QUANTITY	
CORNUS ANONUM	COMMON DOGWOOD	3-4 LIVE STAKE	FACU	2700	
CEPHALANTHUS OCCIDENTALIS	COMMON BUTONBUSH	3-4 LIVE STAKE	OBL	1680	
SAUX NIGRA	BLACK WILLOW	3-4 LIVE STAKE	FACU	2400	
SAMBUCUS NIGRA CANADENSIS	AMERICAN BLACK ELDERBERRY	3-4 LIVE STAKE	FACU	2400	
VIBURNUM DENTATUM	ARROW-WOOD	3-4 LIVE STAKE	FAC	2400	



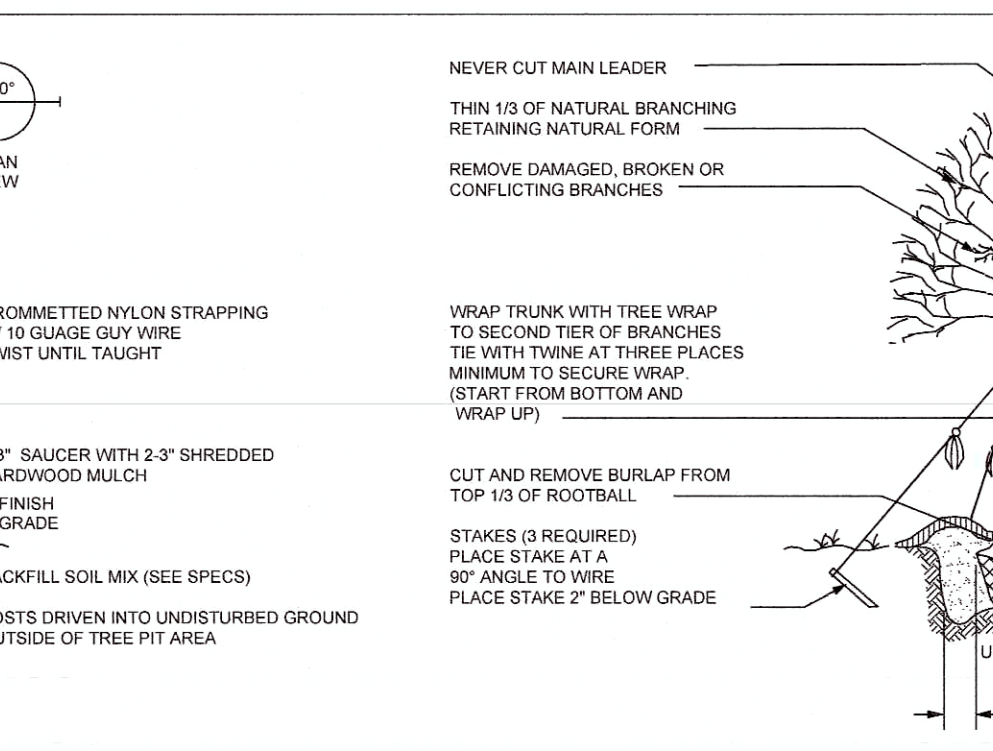
EVERGREEN TREE PLANTING DETAIL



B & B TREE PLANTING DETAIL

NO SCALE SECTION

FOR TREES LESS THAN 12" CALIPER



B & B TREE PLANTING DETAIL

NO SCALE SECTION

FOR TREES 12" CALIPER OR GREATER

Approved by	Date	DR #	Reason for Revision
01	02/12/2019		
02			
03			
04			
05			
06			

Prince George's County Planning Department, M-NCPPC Environmental Planning Section
TREE CONSERVATION PLAN APPROVAL
TCP 2 - 017 - 2019

August 13, 2019
DATE
Mike Petrus
Qualified Professional
COMAR 06.19.06.01

11721 WOODMOORE ROAD, SUITE 200
MITCHELLVILLE, MARYLAND 20725
BEN DYER ASSOCIATES, INC.
Engineers / Surveyors / Planners
TELEPHONE (301) 430-2000
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PCN: 11721 WOODMOORE ROAD, SUITE 200
DATE: 08/13/2019
DRAWN BY: J-B18014
CHECKED BY: 54.03-Z

CALL BEFORE YOU DIG!
MARYLAND LAW REQUIRES
2 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE
STOP CALL
REFERENCE MARYLAND STATE LAW ON
UNDERGROUND UTILITY DRAINAGE PREVENTION
LAW (MARYLAND STATE LAW TITLE 12)
800-257-7777

PROJECT NOTES

- VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88) (GEOID 09), US FEET.
- HORIZONTAL DATUM IS NORTH AMERICAN DATUM 1983 (NAD83), MARYLAND STATE PLANE COORDINATES (SPC 1900), US FEET.
- DETAILED TOPOGRAPHIC DATA COLLECTION IS CURRENTLY IN PROGRESS.
- TOPOGRAPHIC INFORMATION ILLUSTRATED ON THIS PLAN WAS OBTAINED FROM 2014 LIDAR DATA OBTAINED FROM MD IMAP WEBSITE: IMAP-MARYLAND.GOV/
- THE WETLAND AND WATERS OF THE UNITED STATES DELINEATION FOR THIS PROJECT IS CURRENT IN PROGRESS.
- PROPOSED WORK TO BE COMPLETED PURSUANT TO THE FOLLOWING PERMITS:
6.1. USACE: TBD
6.2. MDE: TBD
6.3. PGSCD: TBD
- 100-YEAR FLOODPLAIN MAPPED BASED ON THE FEMA DFIRM MAP NO. 24033C0245E. DFRM MAPPING WAS PREPARED UNDER THE PRINCE GEORGE'S COUNTY FLOOD INSURANCE STUDY (FIS) NUMBERED 24033CVOO, WITH AN EFFECTIVE DATE OF SEPTEMBER 16, 2016.

DATE	DESCRIPTION
	REVISIONS



SCIENTISTS AND ENGINEERS
2200 SOMERVILLE ROAD
ANNAPOLIS, MD 21401
PHONE: 908.237.5666
FAX: 908.237.5666
WWW.PRINCEGEORGE.COM



PROJECT NAME/LOCATION:
TINKERS CREEK
STREAM RESTORATION PROJECT
PRINCE GEORGE'S COUNTY
MS4 COMPLIANCE PROGRAM
CLINTON AND CAMP SPRINGS, MARYLAND

DRAWING NAME:

TREE CONSERVATION PLAN - TYPE 2
DETAIL SHEET

DATE:	6/13/2018
PROJECT NO.:	0995.048
SCALE:	
DRAWN BY:	
CHECKED BY:	
SHEET NO.	24 OF 24